

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064861.D
 Acq On : 17 Jan 2020 14:18
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:25 AM

Quant Time: Jan 17 23:37:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	166878	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	159846	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.34	98	584379	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.64	95	192638	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56999	19.644	ug/l	99
3) Chloromethane	2.21	50	86420	21.297	ug/l	97
4) Vinyl Chloride	2.35	62	99131	20.036	ug/l	99
5) Bromomethane	2.76	94	70544	19.609	ug/l	92
6) Chloroethane	2.92	64	68195	20.570	ug/l	96
7) Trichlorofluoromethane	3.27	101	163288	19.600	ug/l	100
8) Diethyl Ether	3.71	74	38817	23.464	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76670	22.222	ug/l	97
10) Methyl Iodide	4.30	142	76437	20.625	ug/l	99
11) Tert butyl alcohol	5.25	59	24923	132.093	ug/l	100
12) 1,1-Dichloroethene	4.06	96	70125	21.349	ug/l	93
13) Acrolein	3.93	56	20677	78.634	ug/l	100
14) Allyl chloride	4.71	41	111145	21.702	ug/l	99
15) Acrylonitrile	5.44	53	81345	118.048	ug/l	99
16) Acetone	4.17	43	82562	113.964	ug/l	97
17) Carbon Disulfide	4.40	76	217859	20.512	ug/l	97
18) Methyl Acetate	4.73	43	43039	23.221	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	170105	23.315	ug/l	99
20) Methylene Chloride	4.97	84	96117	26.222	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	81058	21.669	ug/l	93
22) Diisopropyl ether	6.37	45	237632	23.263	ug/l	97
23) Vinyl Acetate	6.31	43	665668	114.879	ug/l	99
24) 1,1-Dichloroethane	6.27	63	143585	23.414	ug/l	97
25) 2-Butanone	7.22	43	108676	120.091	ug/l	98
26) 2,2-Dichloropropane	7.21	77	132006	23.153	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	91042	22.551	ug/l	98
28) Bromochloromethane	7.55	49	53932	22.624	ug/l	95
29) Tetrahydrofuran	7.57	42	66299	117.809	ug/l	98
30) Chloroform	7.71	83	149767	23.278	ug/l	99
31) Cyclohexane	7.98	56	131083	21.354	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	136198	22.538	ug/l	100
36) 1,1-Dichloropropene	8.11	75	115498	22.292	ug/l	98
37) Ethyl Acetate	7.30	43	47862	23.514	ug/l #	94
38) Carbon Tetrachloride	8.10	117	121856	22.056	ug/l	95

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	132664	21.140	ug/l	98
40) Benzene	8.36	78	317031	22.414	ug/l	99
41) Methacrylonitrile	7.54	41	25113	21.265	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	99763	24.408	ug/l	99
43) Isopropyl Acetate	8.46	43	92512	22.835	ug/l	99
44) Trichloroethene	9.12	130	92164	22.181	ug/l	92
45) 1,2-Dichloropropane	9.39	63	79993	23.687	ug/l	98
46) Dibromomethane	9.48	93	43736	23.228	ug/l	98
47) Bromodichloromethane	9.67	83	116067	23.166	ug/l	100
48) Methyl methacrylate	9.46	41	44191	23.165	ug/l	94
49) 1,4-Dioxane	9.47	88	10216	470.553	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	233380	116.543	ug/l	99
52) Toluene	10.41	92	207090	22.316	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107931	23.106	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	127614	23.169	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60393	23.800	ug/l	98
56) Ethyl methacrylate	10.67	69	70009	22.092	ug/l	96
57) 1,3-Dichloropropane	10.95	76	100729	23.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	151230	125.257	ug/l	99
59) 2-Hexanone	10.99	43	162406	119.491	ug/l	96
60) Dibromochloromethane	11.14	129	78184	22.281	ug/l	98
61) 1,2-Dibromoethane	11.26	107	55224	22.065	ug/l	97
64) Tetrachloroethene	10.88	164	77923	21.243	ug/l	98
65) Chlorobenzene	11.68	112	222787	22.450	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	85632	22.890	ug/l	97
67) Ethyl Benzene	11.75	91	387079	21.490	ug/l	100
68) m/p-Xylenes	11.86	106	297579	42.803	ug/l	99
69) o-Xylene	12.18	106	135675	21.606	ug/l	99
70) Styrene	12.20	104	241182	21.881	ug/l	98
71) Bromoform	12.37	173	48138	22.564	ug/l #	98
73) Isopropylbenzene	12.48	105	365383	21.503	ug/l	98
74) N-amyl acetate	12.30	43	83381	22.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61451	23.021	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	41250m	21.969	ug/l	
77) Bromobenzene	12.77	156	91099	21.819	ug/l	97
78) n-propylbenzene	12.83	91	433508	21.868	ug/l	99
79) 2-Chlorotoluene	12.91	91	237329	21.794	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	305289	21.872	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21303	23.729	ug/l	97
82) 4-Chlorotoluene	13.01	91	252061	21.750	ug/l	100
83) tert-Butylbenzene	13.23	119	252575	20.841	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	303870	21.859	ug/l	97
85) sec-Butylbenzene	13.41	105	354631	21.344	ug/l	100
86) p-Isopropyltoluene	13.53	119	332858	20.952	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	172238	21.640	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	171926	21.988	ug/l	98
89) n-Butylbenzene	13.85	91	299191	20.913	ug/l	99
90) Hexachloroethane	14.12	117	65788	21.678	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	148109	21.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10167	23.495	ug/l	85

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Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107500	21.511	ug/l	99
94) Hexachlorobutadiene	15.28	225	61925	19.692	ug/l	95
95) Naphthalene	15.41	128	170653	21.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	90519	21.217	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

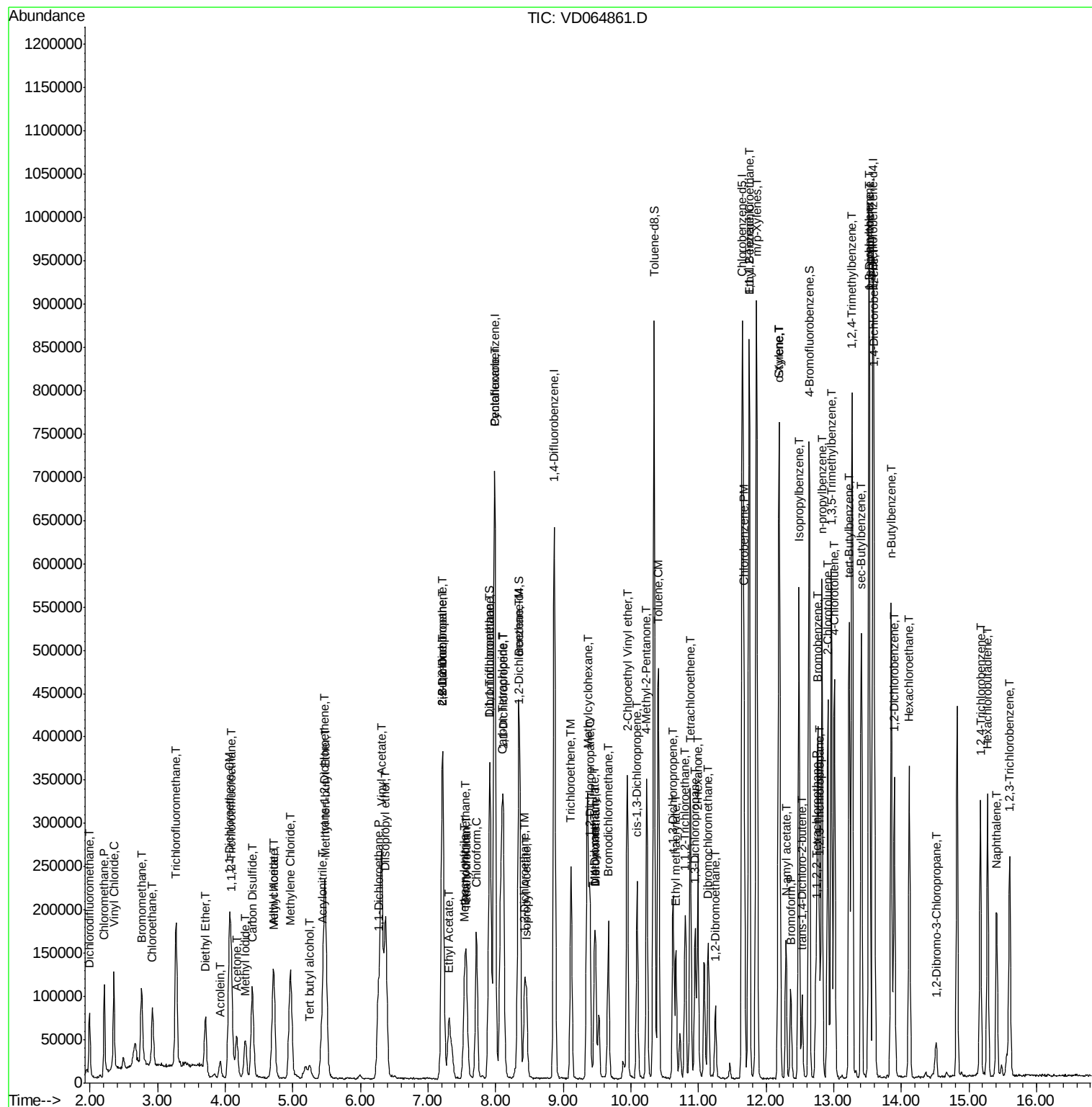
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 Data File : VD064861.D
 Acq On : 17 Jan 2020 14:18
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

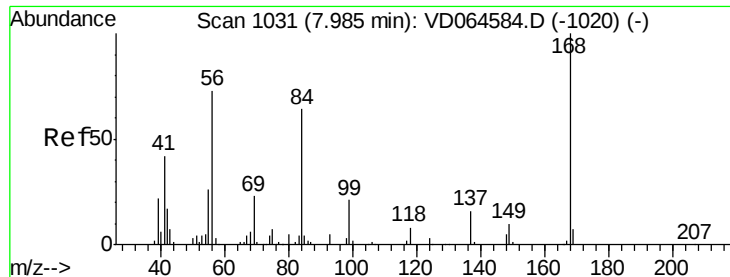
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:168 Resp: 373356

Ion Ratio Lower Upper

168 100

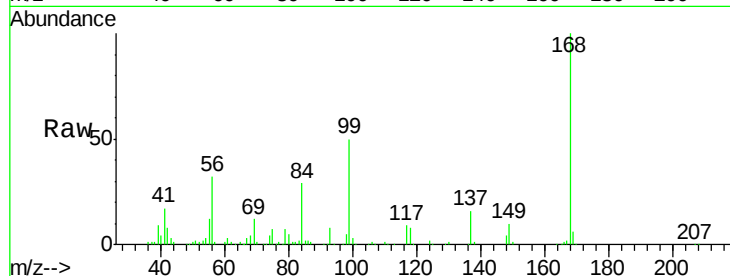
99 50.0 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

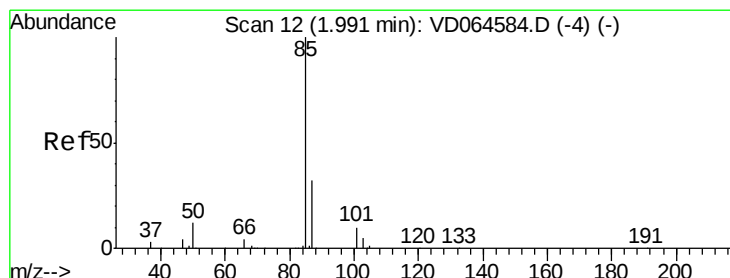
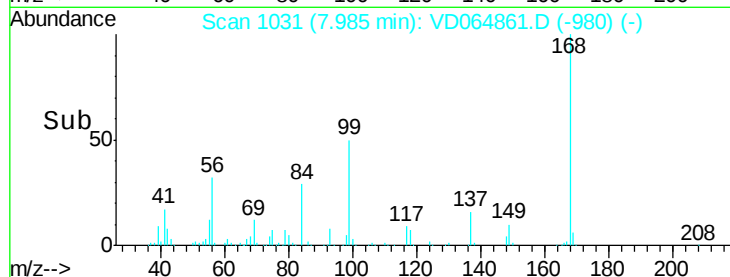
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.644 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064861.D

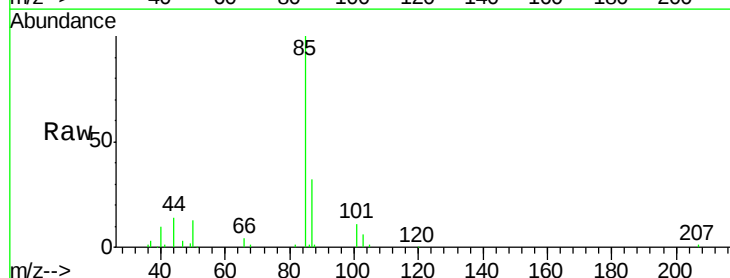
Acq: 17 Jan 2020 14:18

Tgt Ion: 85 Resp: 56999

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

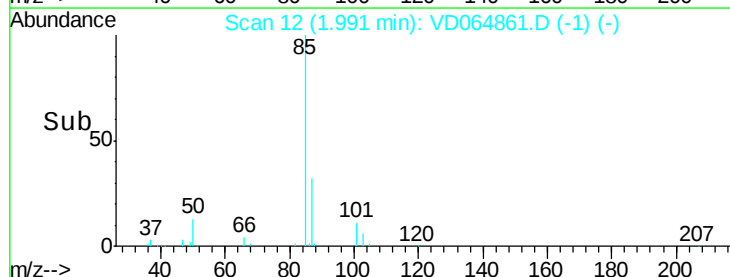
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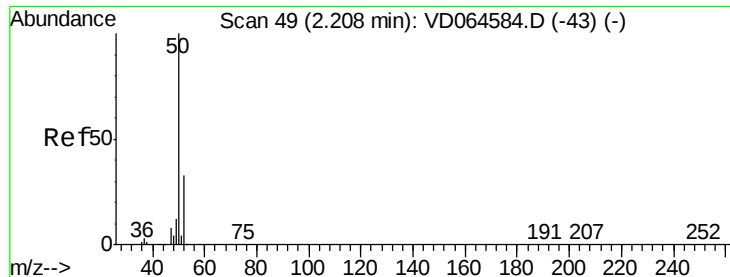
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.297 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 50 Resp: 86420

Ion Ratio Lower Upper

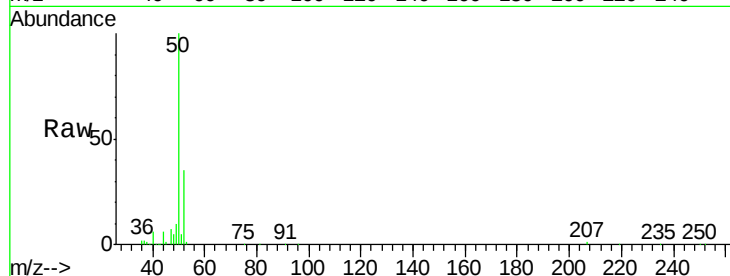
50 100

52 35.0 26.5 39.7

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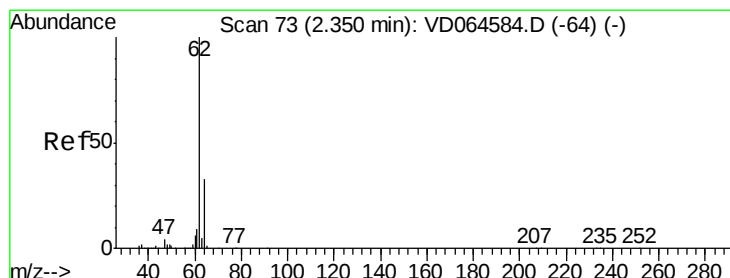
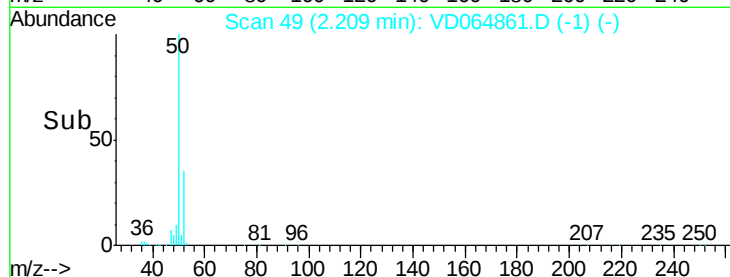
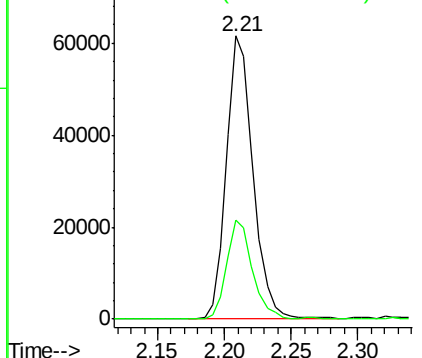
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.036 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064861.D

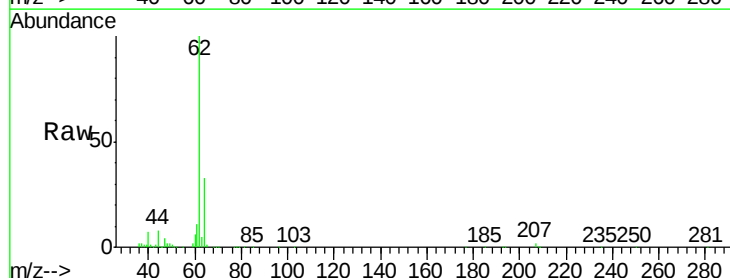
Acq: 17 Jan 2020 14:18

Tgt Ion: 62 Resp: 99131

Ion Ratio Lower Upper

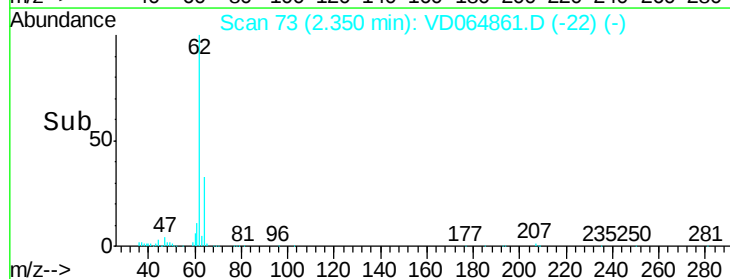
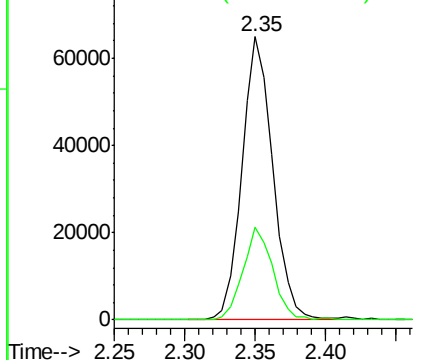
62 100

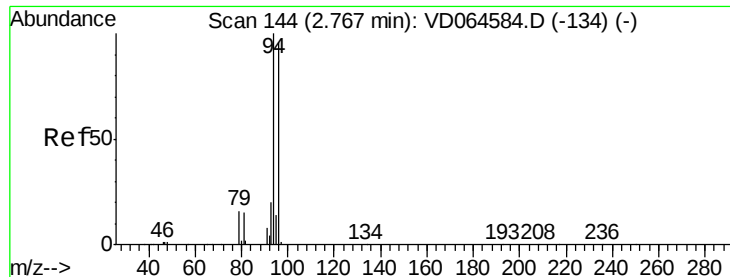
64 32.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.609 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 94 Resp: 70544

Ion Ratio Lower Upper

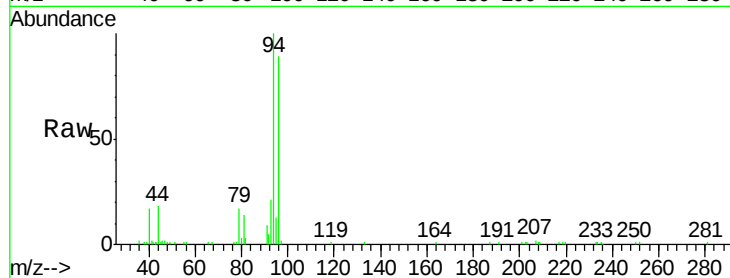
94 100

96 89.0 77.2 115.8

Manual Integrations
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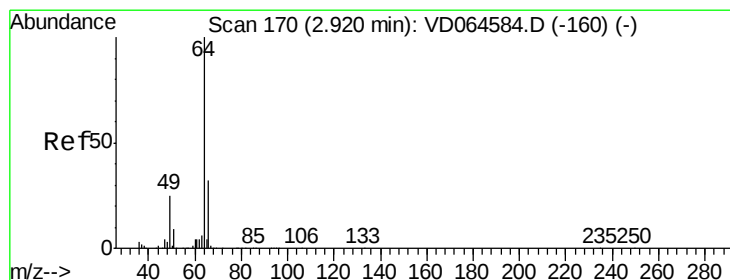
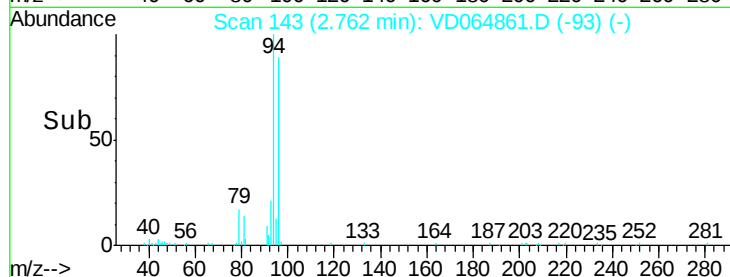
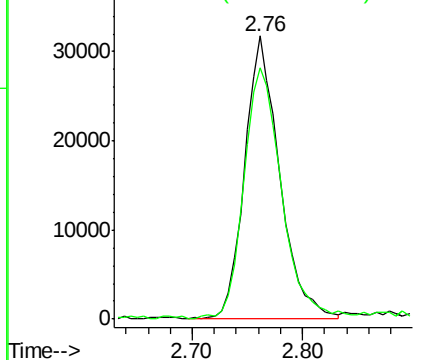
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.570 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064861.D

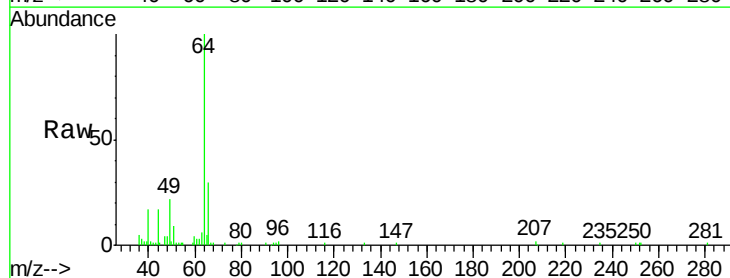
Acq: 17 Jan 2020 14:18

Tgt Ion: 64 Resp: 68195

Ion Ratio Lower Upper

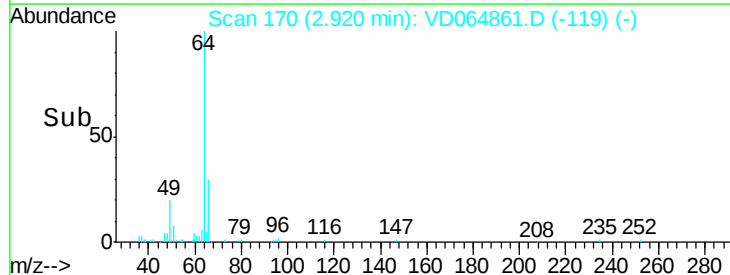
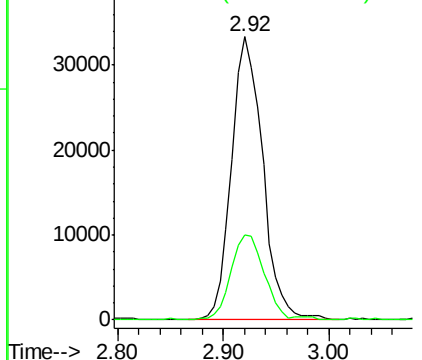
64 100

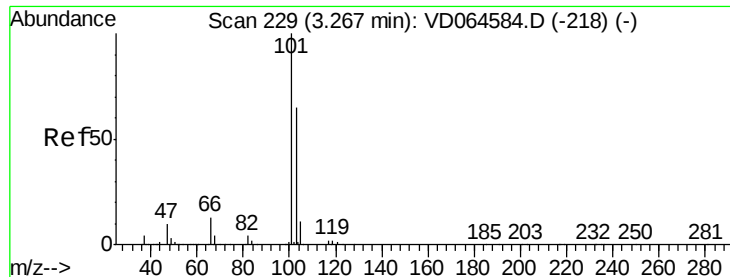
66 30.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

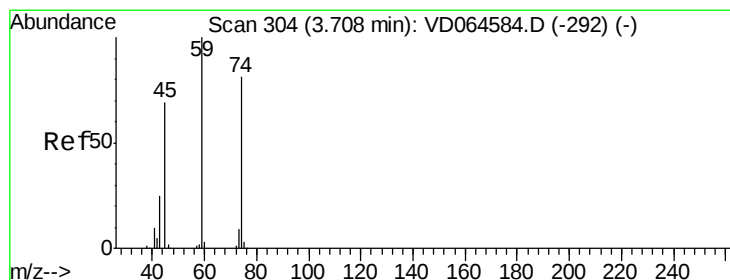
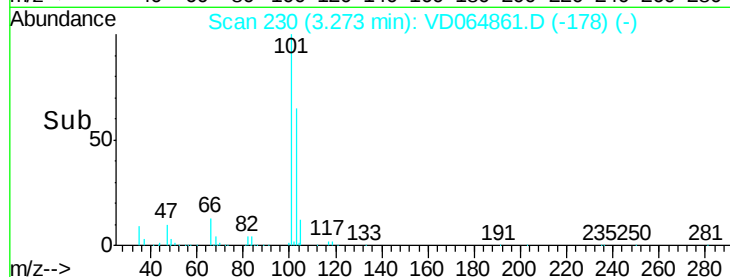
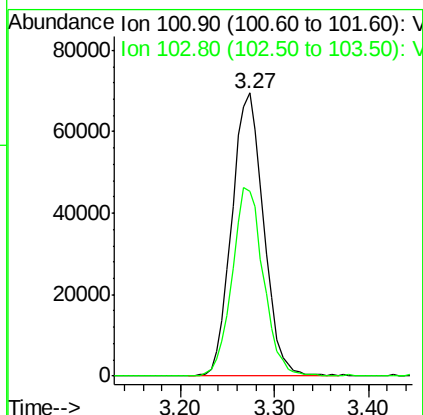
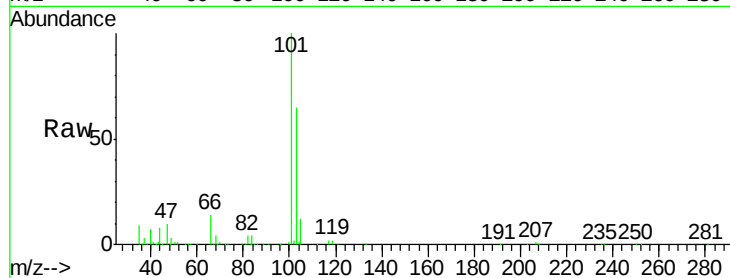
Trichlorofluoromethane
Concen: 19.600 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064861.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

Manual Integrations
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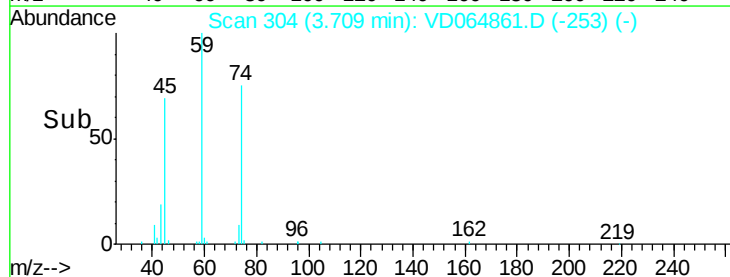
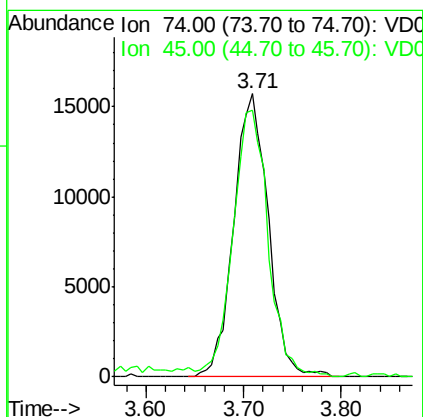
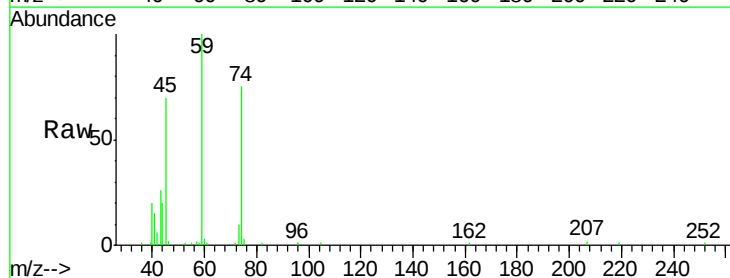
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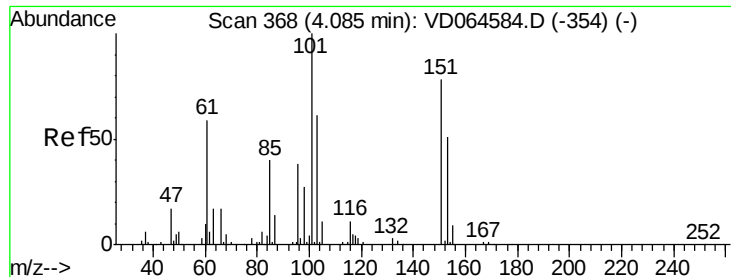


#8

Diethyl Ether
Concen: 23.464 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.222 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

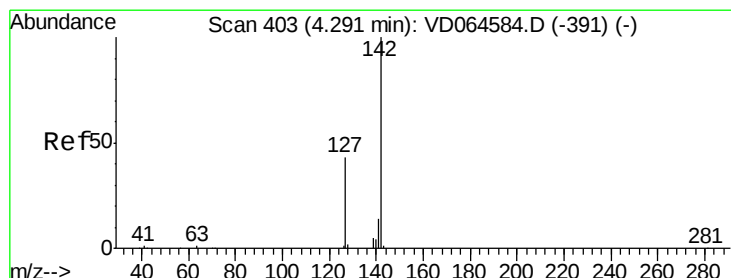
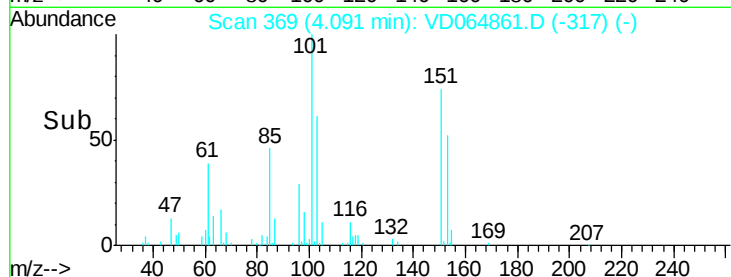
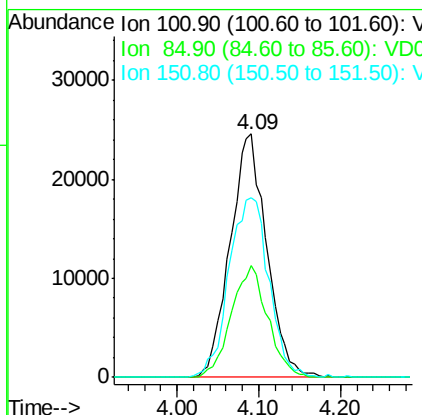
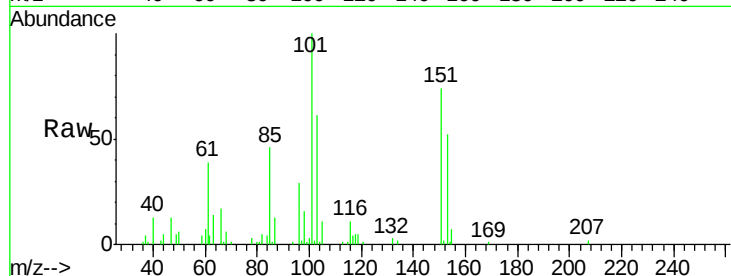
ClientSampleId :

VD0117SBS01

Tot Ion:	101	Resp:	76670
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.2	52.8
151	80.2	66.2	99.4

Manual Integrations
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MMDadoda
1/20/2020 11:14:25 AM



#10

Methyl Iodide

Concen: 20.625 ug/l

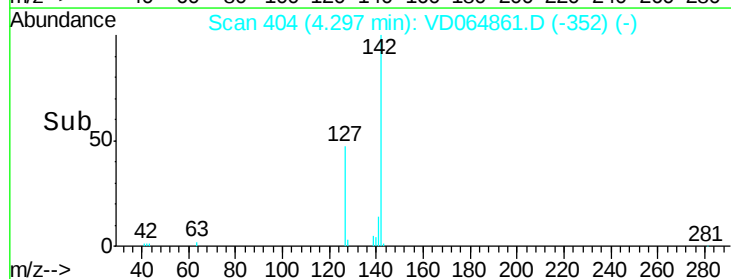
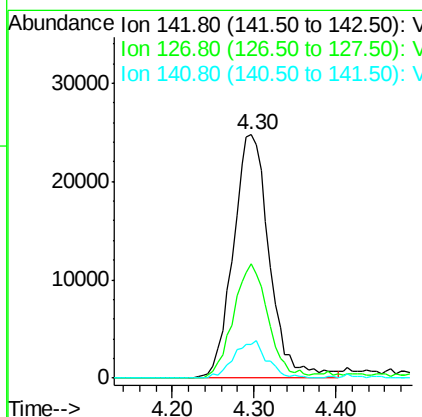
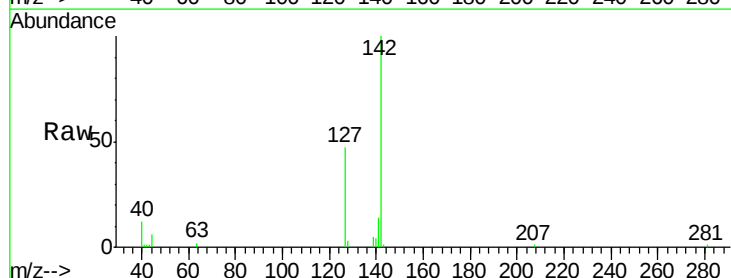
RT: 4.30 min Scan# 404

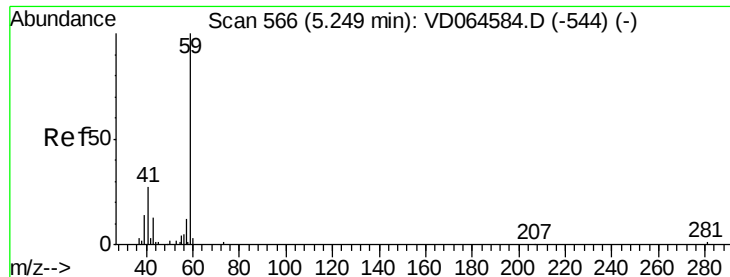
Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	142	Resp:	76437
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.2	54.4
141	13.9	11.8	17.8





#11

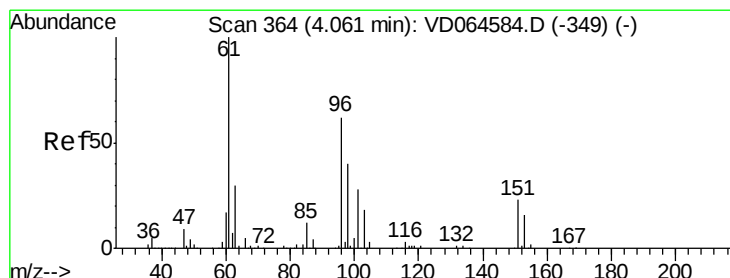
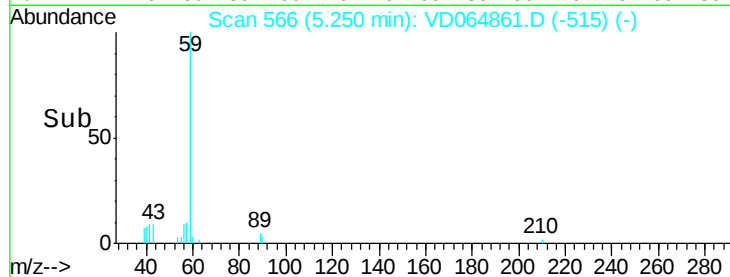
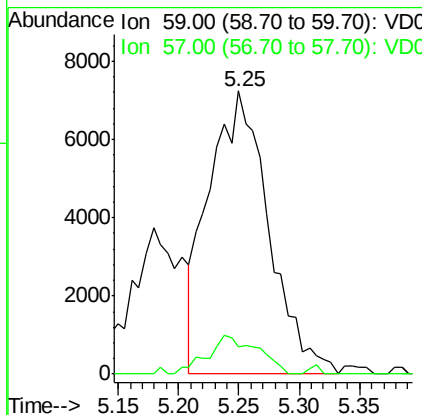
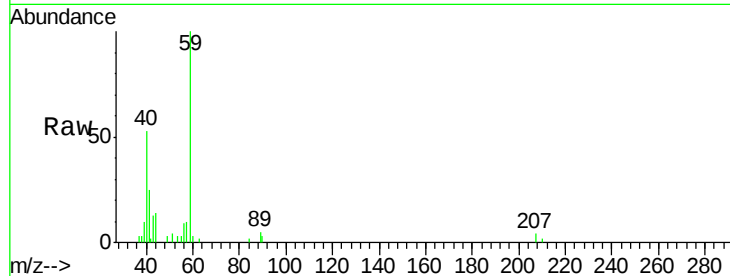
Tert butyl alcohol
Concen: 132.093 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	59	Resp	24923
Ion Ratio	100	Lower	Upper
57	11.4	9.3	13.9

Manual Integrations
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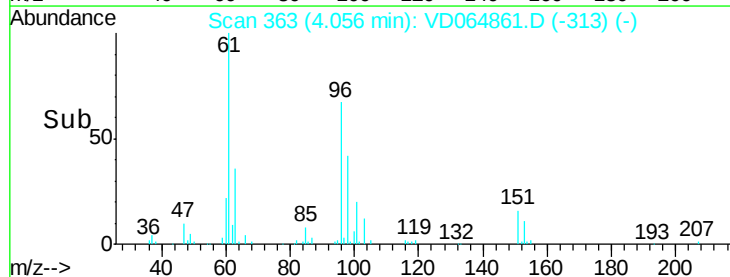
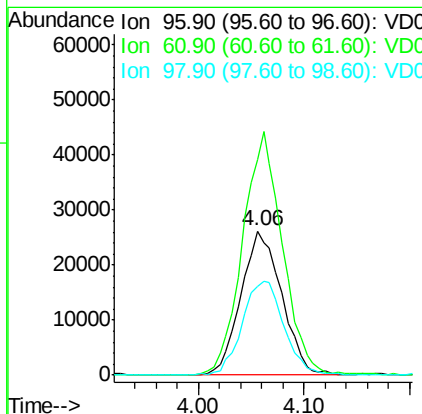
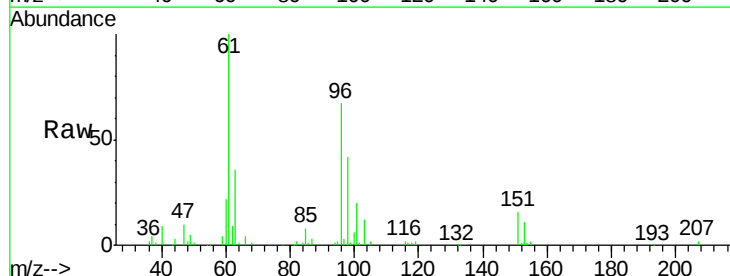
MMDadoda
1/20/2020 11:14:25 AM

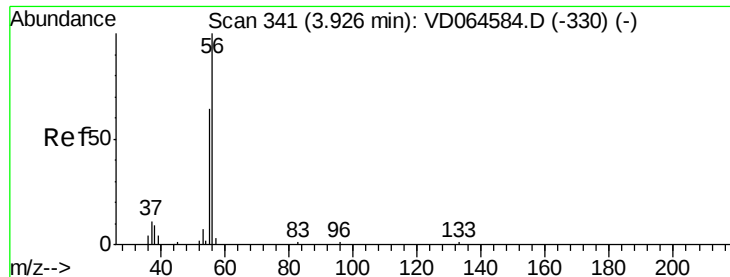


#12

1,1-Dichloroethene
Concen: 21.349 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	96	Resp	70125
Ion Ratio	100	Lower	Upper
61	149.4	129.4	194.0
98	62.0	51.4	77.0





#13

Acrolein

Concen: 78.634 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 56 Resp: 20677

Ion Ratio Lower Upper

56 100

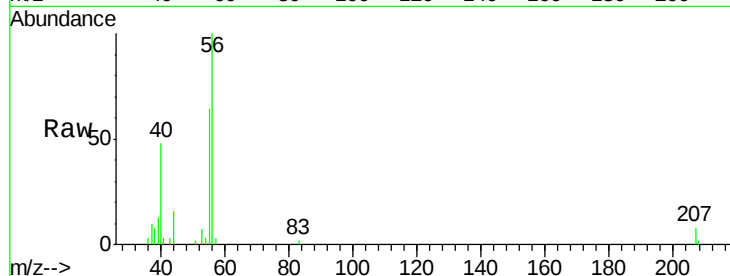
55 70.6 56.7 85.1

Manual Integrations

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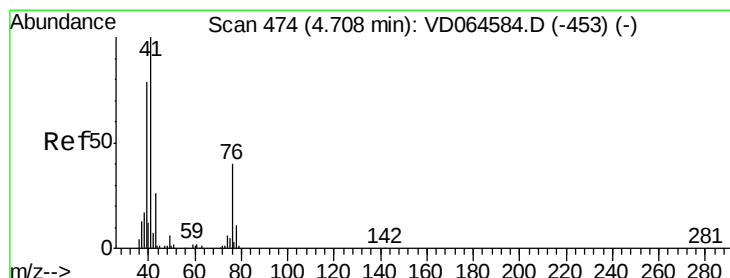
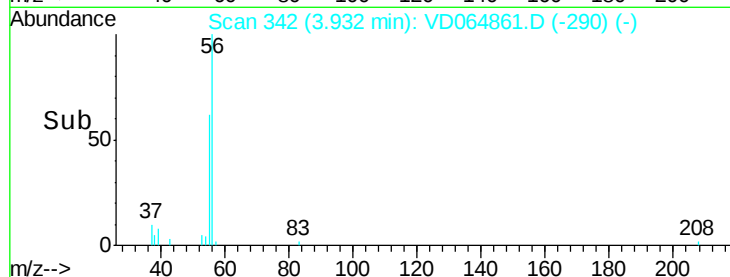
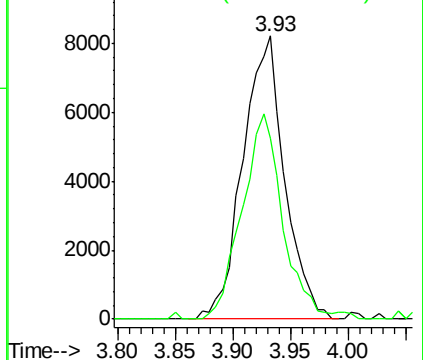
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.702 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

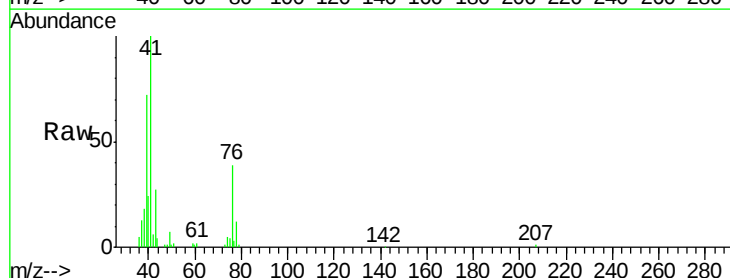
Tgt Ion: 41 Resp: 111145

Ion Ratio Lower Upper

41 100

39 78.1 62.3 93.5

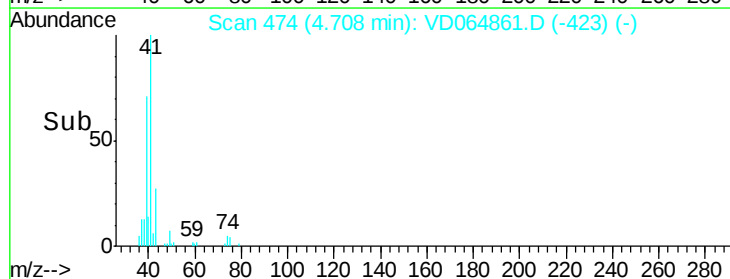
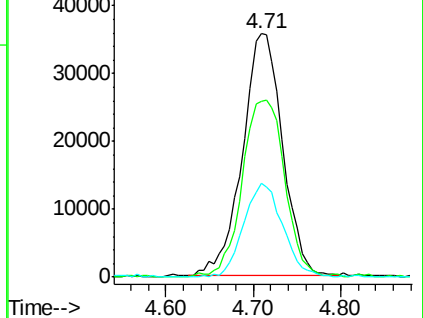
76 38.0 29.7 44.5

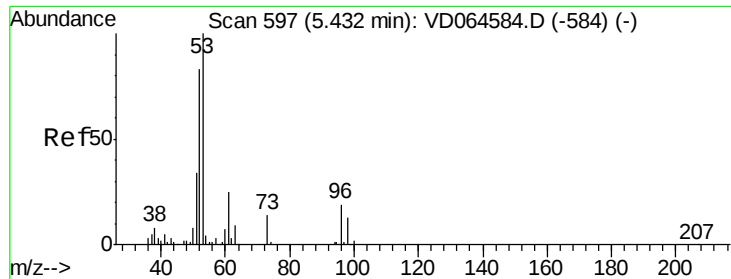


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 118.048 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

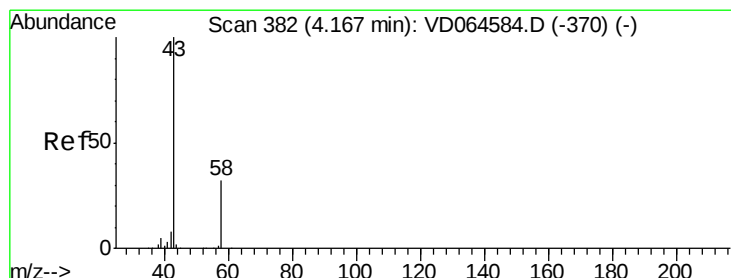
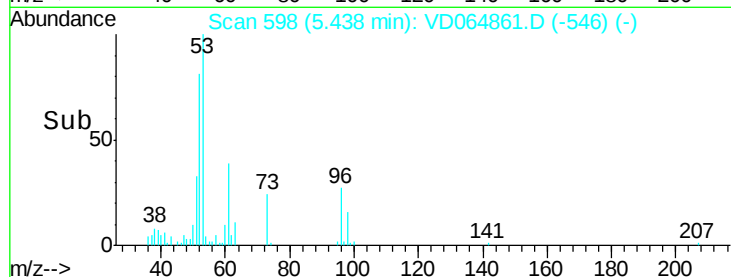
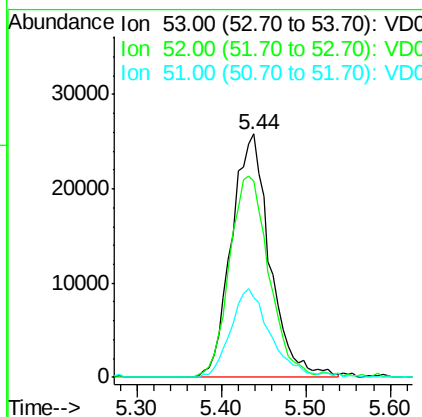
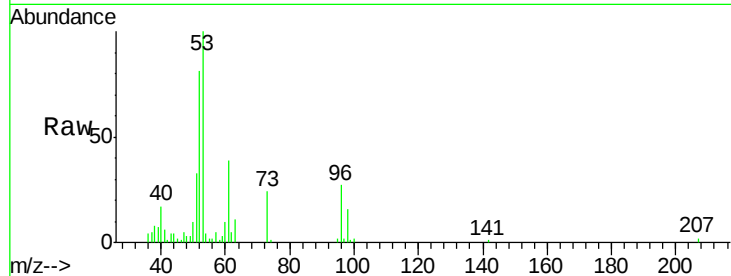
ClientSampleId :

VD0117SBS01

Tot Ion:	53	Resp:	81345
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.2	99.2
51	37.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 113.964 ug/l

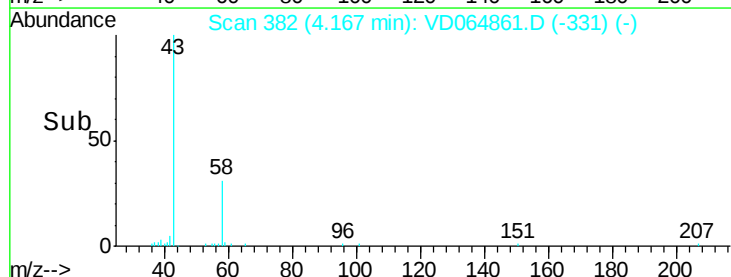
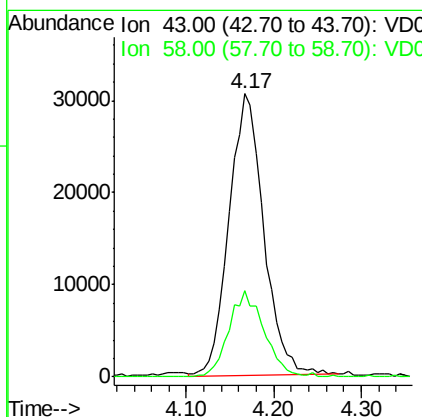
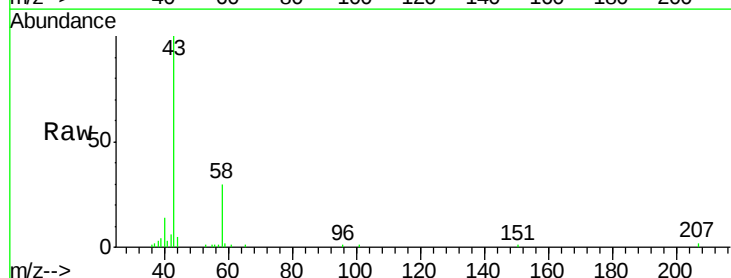
RT: 4.17 min Scan# 382

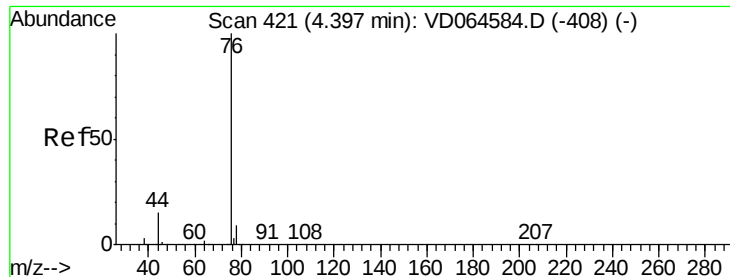
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	43	Resp:	82562
Ion Ratio	Lower	Upper	
43	100		
58	30.7	25.8	38.6





#17

Carbon Disulfide

Concen: 20.512 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 76 Resp: 217859

Ion Ratio Lower Upper

76 100

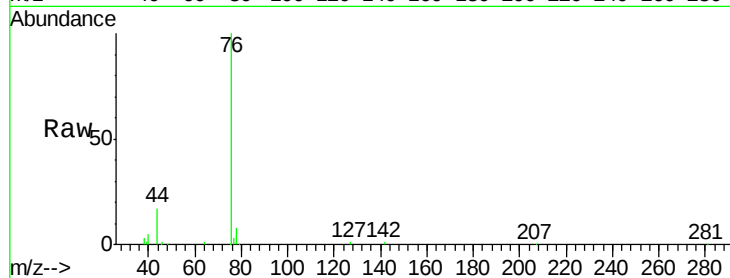
78 8.2 7.3 10.9

Manual Integrations

APPROVED

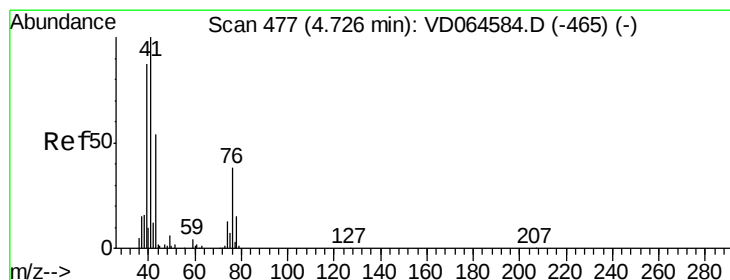
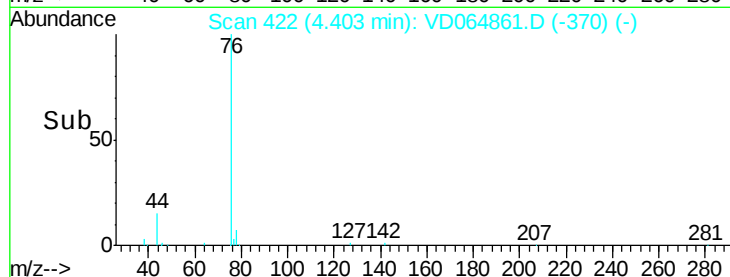
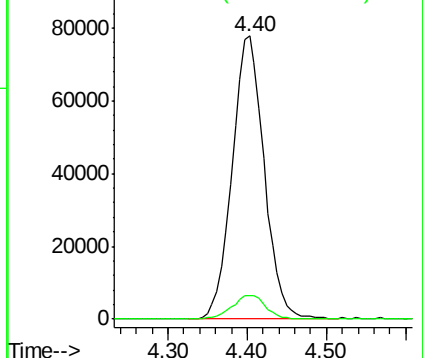
MMDadoda

1/20/2020 11:14:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.221 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064861.D

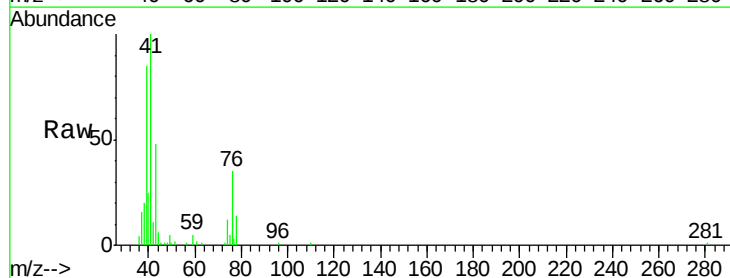
Acq: 17 Jan 2020 14:18

Tgt Ion: 43 Resp: 43039

Ion Ratio Lower Upper

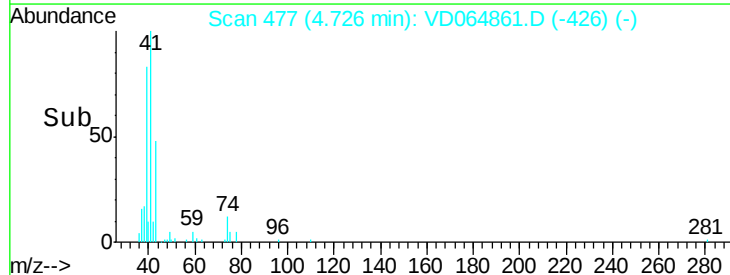
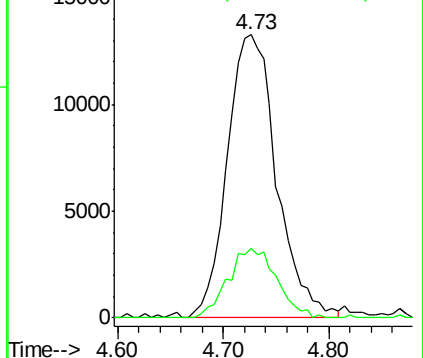
43 100

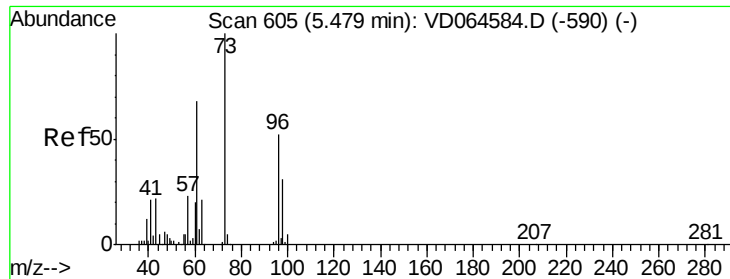
74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





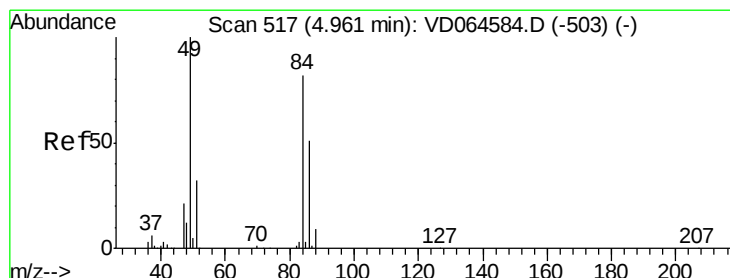
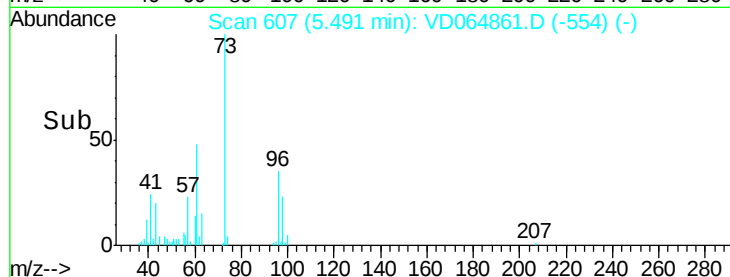
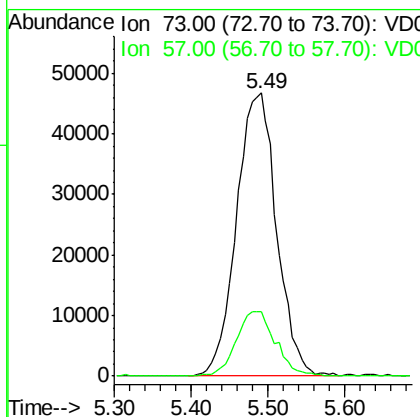
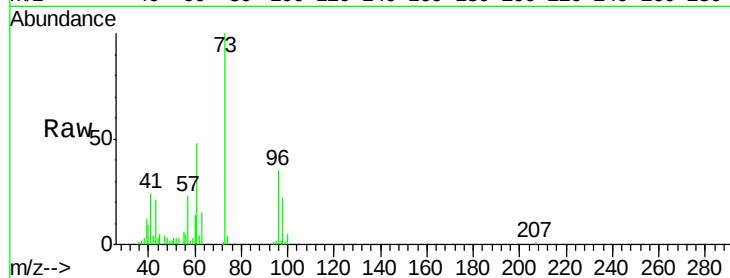
#19
Methyl tert-butyl Ether
Concen: 23.315 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleID :
VD0117SBS01

Tot Ion: 73 Resp: 170105
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8

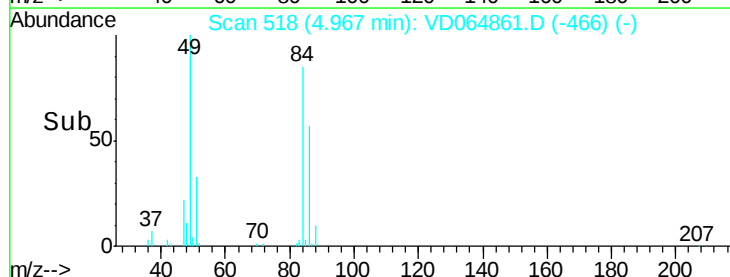
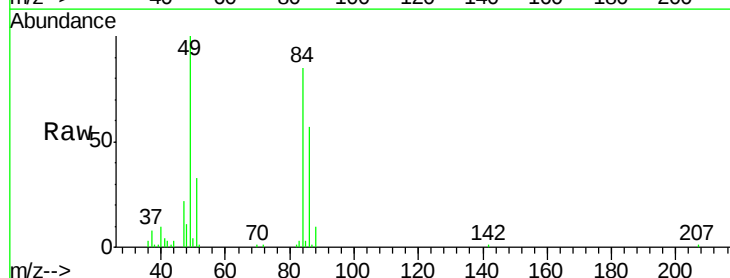
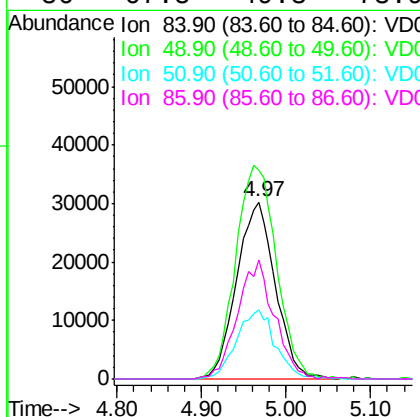
Manual Integrations
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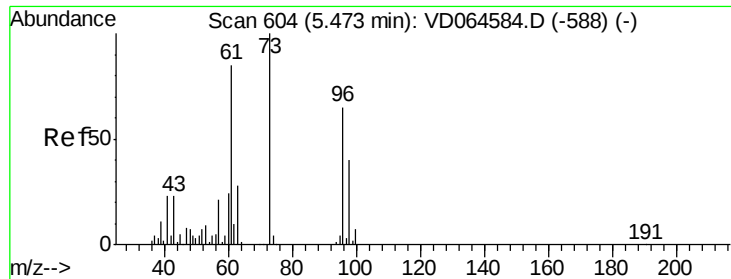
MMDadoda
1/20/2020 11:14:25 AM



#20
Methylene Chloride
Concen: 26.222 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 84 Resp: 96117
Ion Ratio Lower Upper
84 100
49 117.9 97.2 145.8
51 38.9 31.4 47.0
86 67.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.669 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

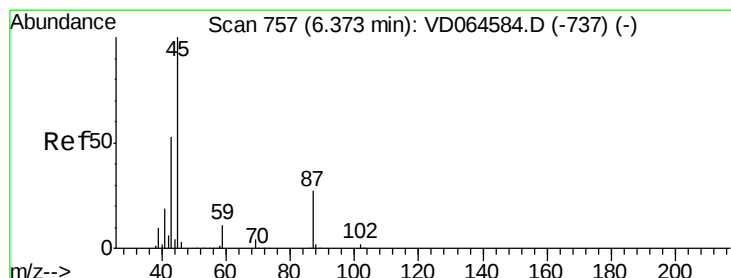
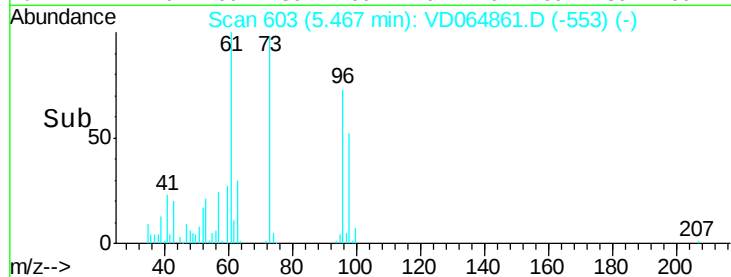
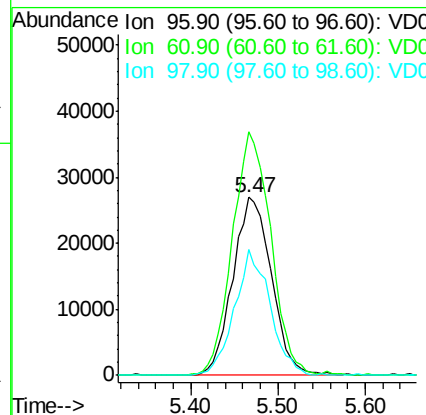
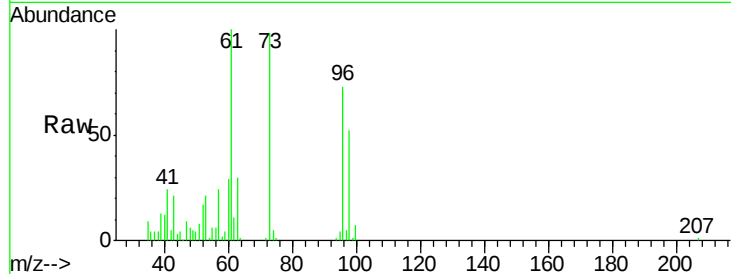
ClientSampleId :

VD0117SBS01

Tot Ion:	96	Resp:	81058
Ion	Ratio	Lower	Upper
96	100		
61	136.1	104.7	157.1
98	70.8	49.4	74.2

Manual Integrations
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MMDadoda
1/20/2020 11:14:25 AM



#22

Diisopropyl ether

Concen: 23.263 ug/l

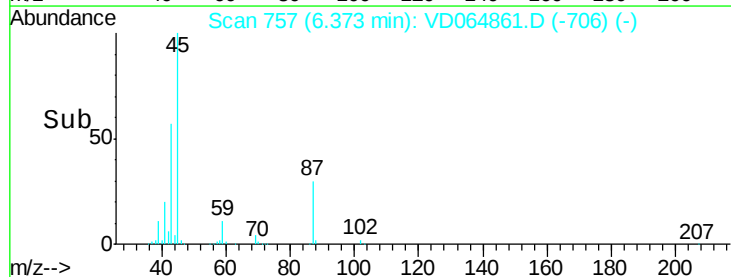
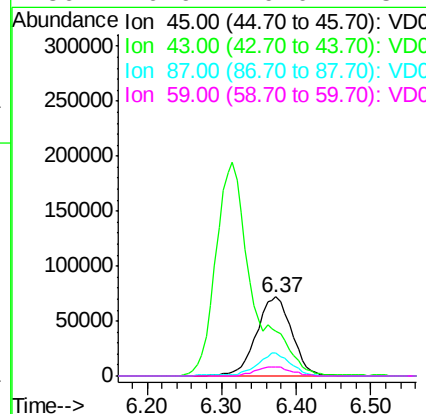
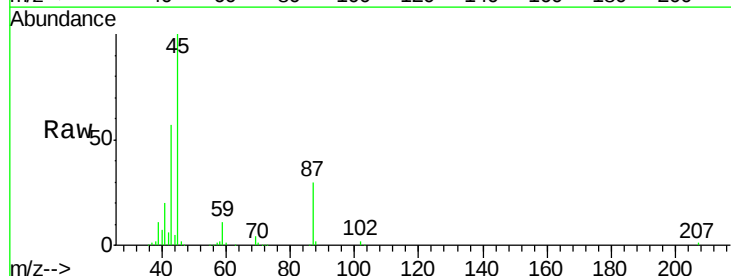
RT: 6.37 min Scan# 757

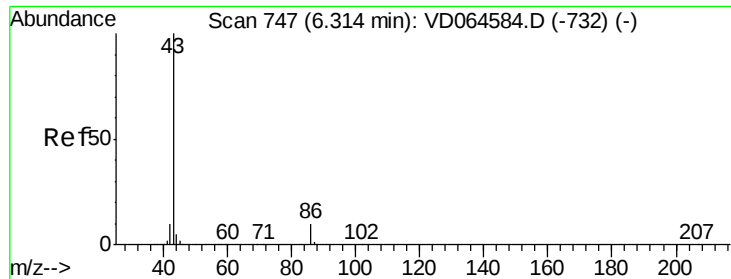
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	45	Resp:	237632
Ion	Ratio	Lower	Upper
45	100		
43	56.0	43.2	64.8
87	29.9	21.9	32.9
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 114.879 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 43 Resp: 665668

Ion Ratio Lower Upper

43 100

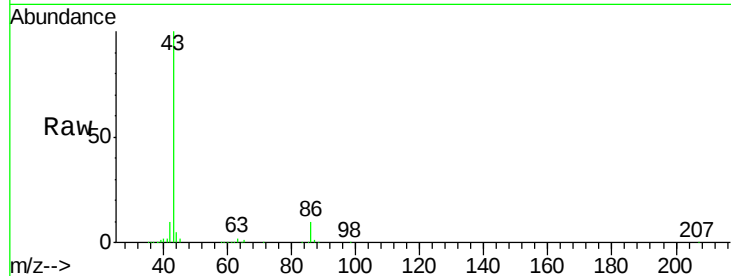
86 9.9 8.3 12.5

Manual Integrations

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MMDadoda

1/20/2020 11:14:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

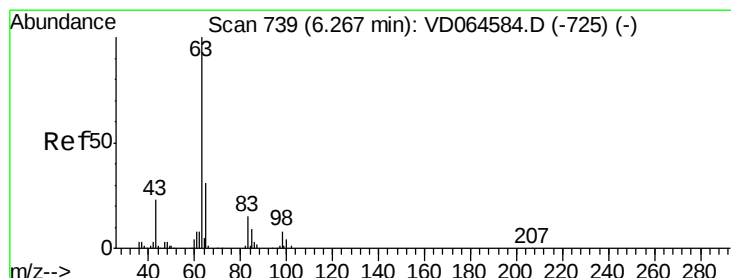
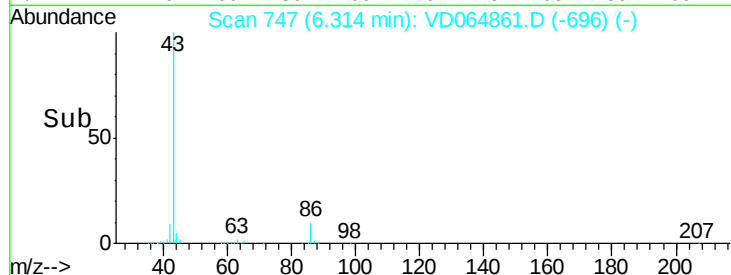
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.414 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

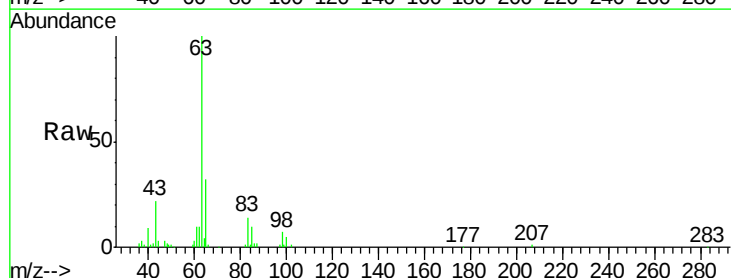
Tgt Ion: 63 Resp: 143585

Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

100 4.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

60000

50000

40000

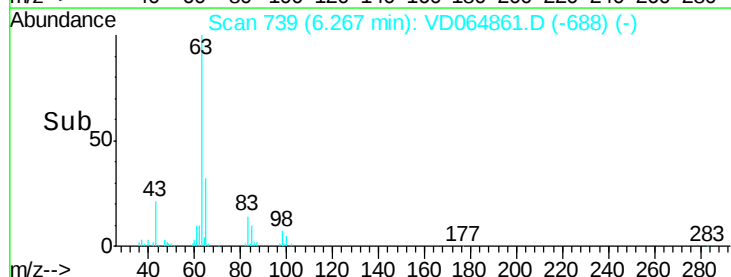
30000

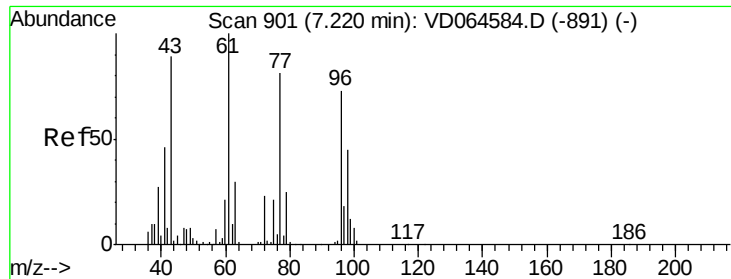
20000

10000

0

Time-->





#25

2-Butanone

Concen: 120.091 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 43 Resp: 108676

Ion Ratio Lower Upper

43 100

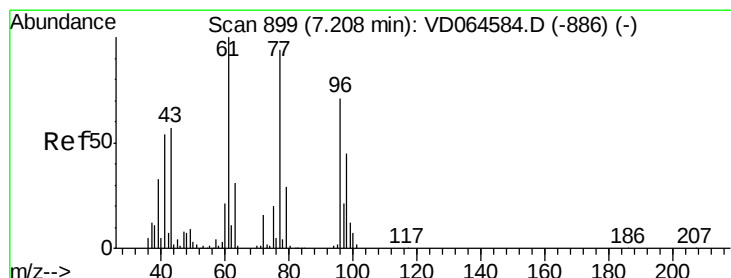
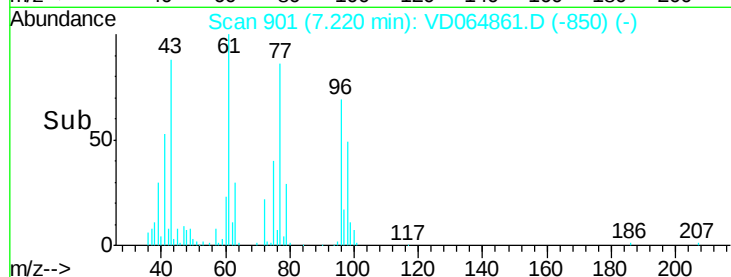
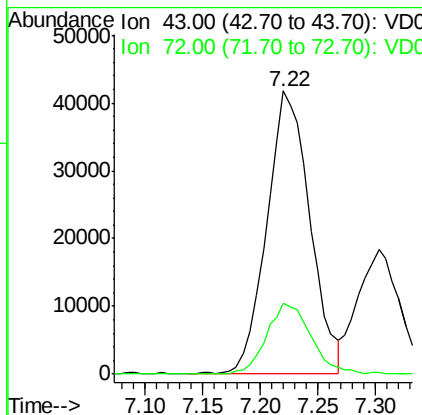
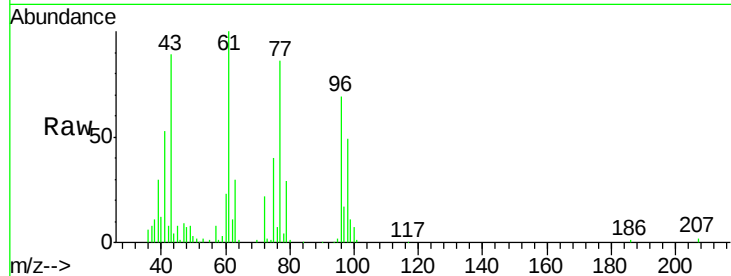
72 24.8 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 23.153 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064861.D

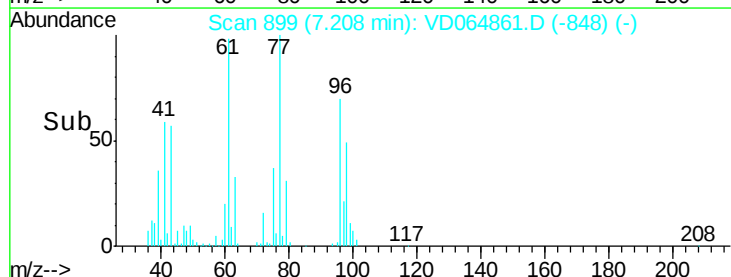
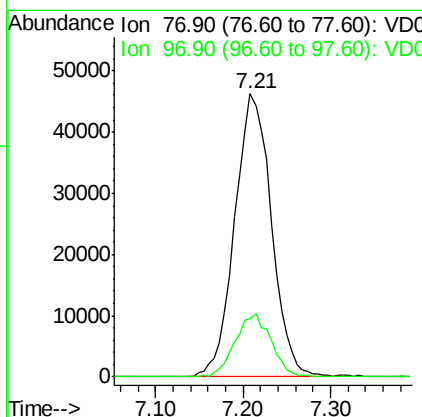
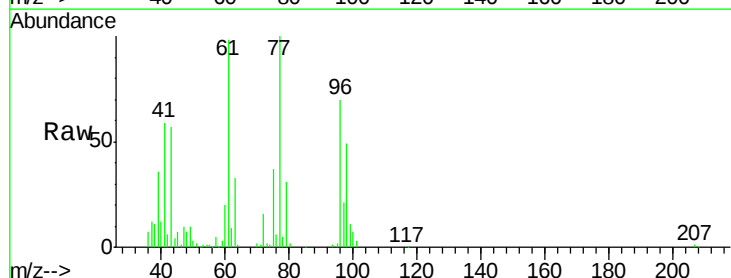
Acq: 17 Jan 2020 14:18

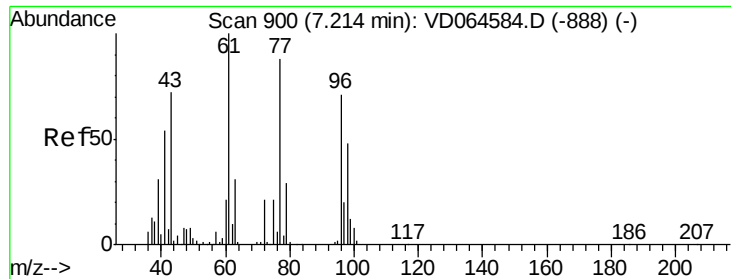
Tgt Ion: 77 Resp: 132006

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

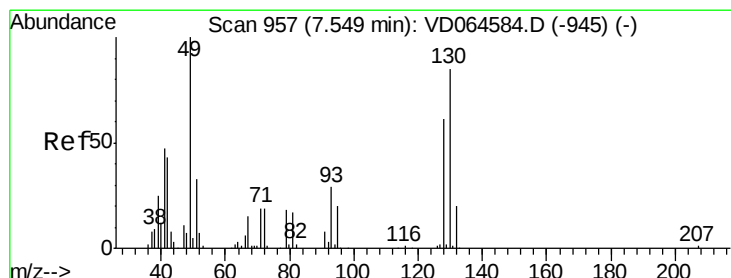
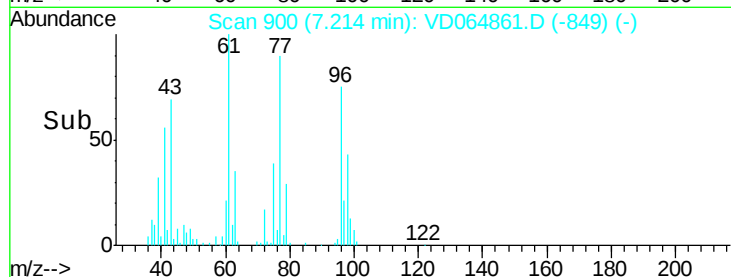
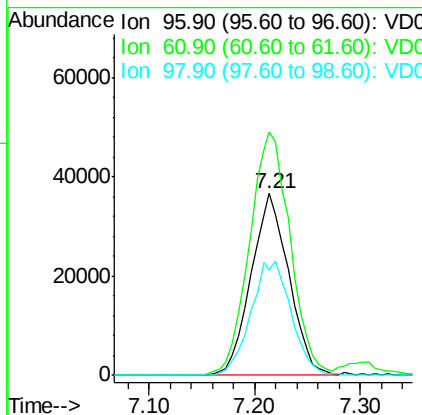
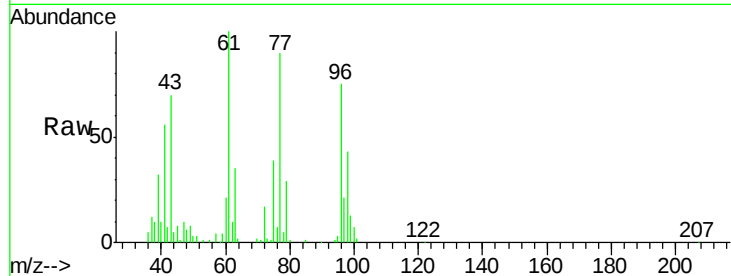
ClientSampleId :

VD0117SBS01

Tot Ion:	96	Resp:	91042
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	282.6
98	67.2	0.0	130.8

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#28

Bromochloromethane

Concen: 22.624 ug/l

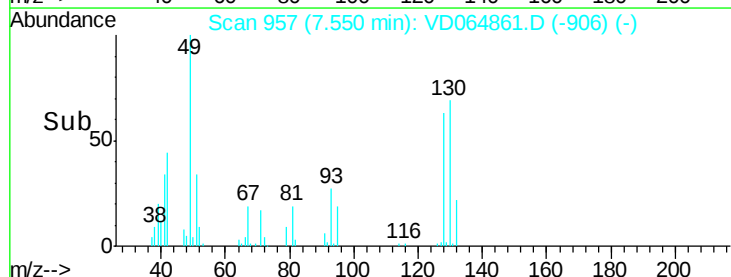
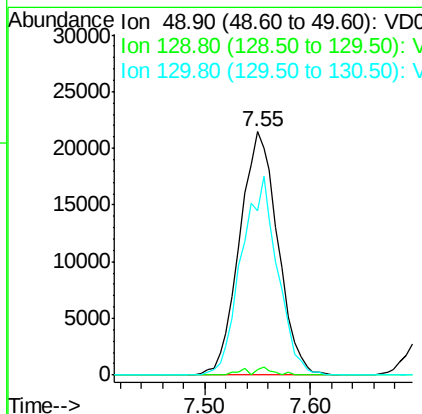
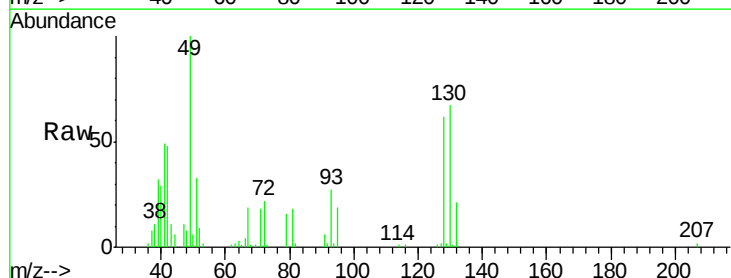
RT: 7.55 min Scan# 957

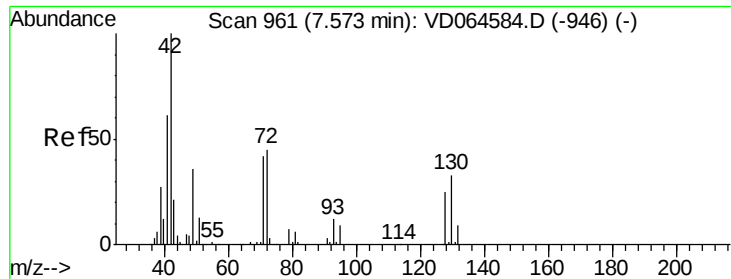
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	49	Resp:	53932
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	77.2	65.0	97.6





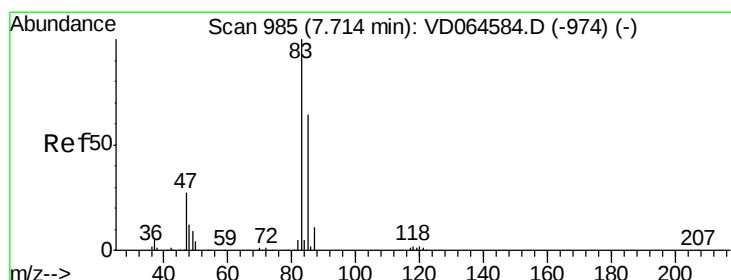
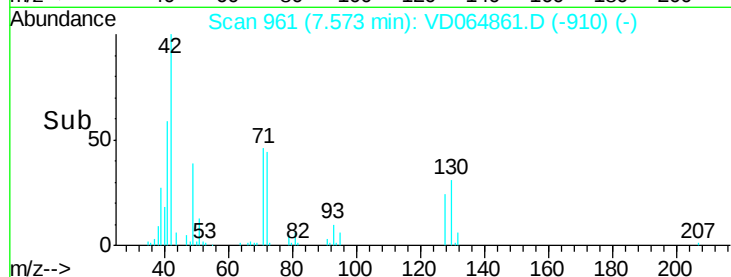
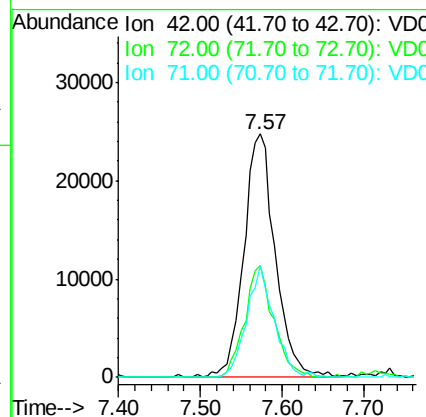
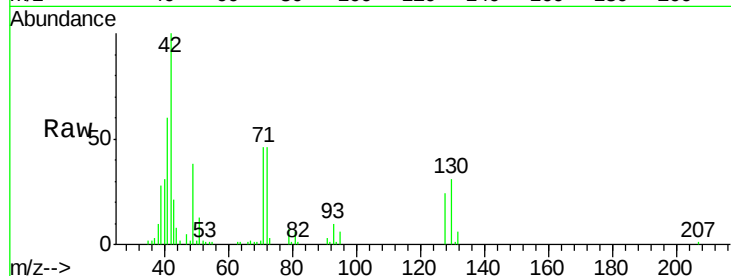
#29
Tetrahydrofuran
Concen: 117.809 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.0	52.4
71	39.4	32.9	49.3

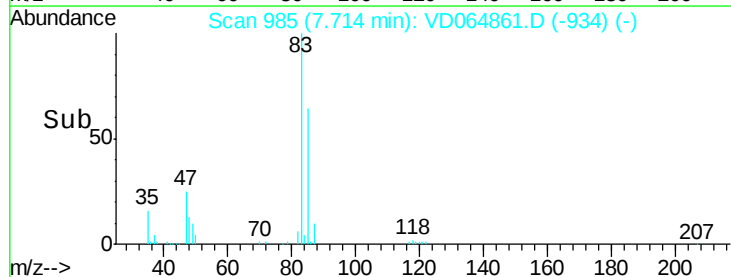
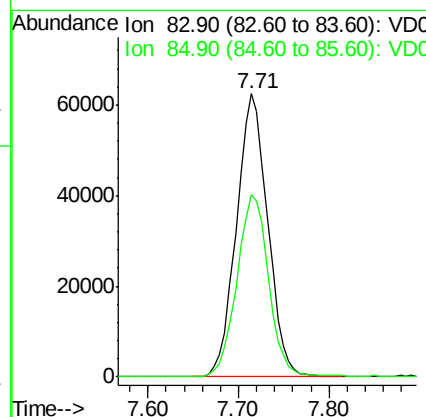
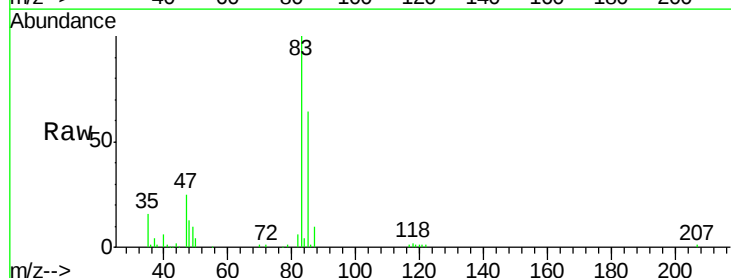
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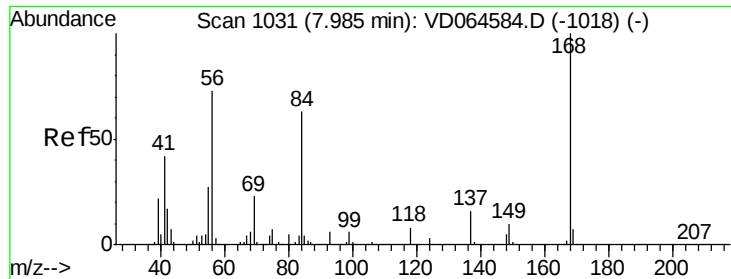
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#30
Chloroform
Concen: 23.278 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7





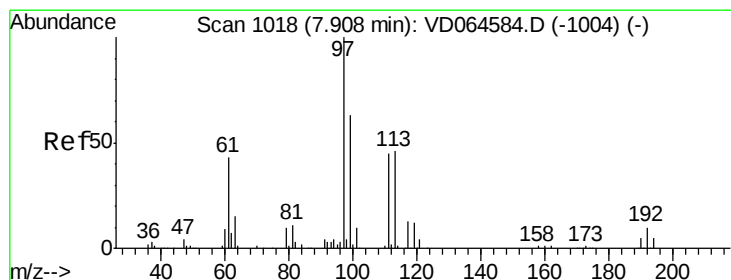
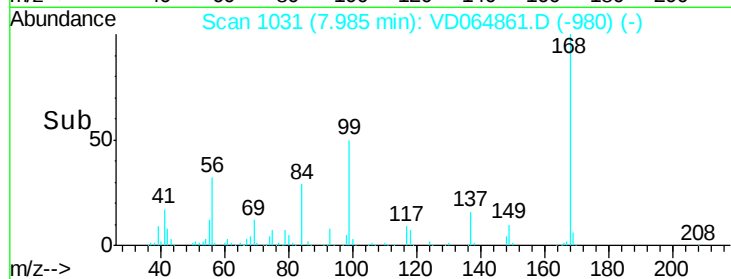
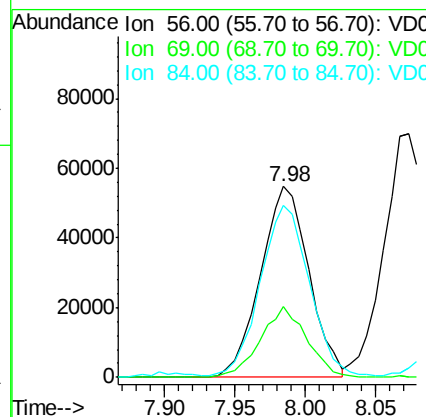
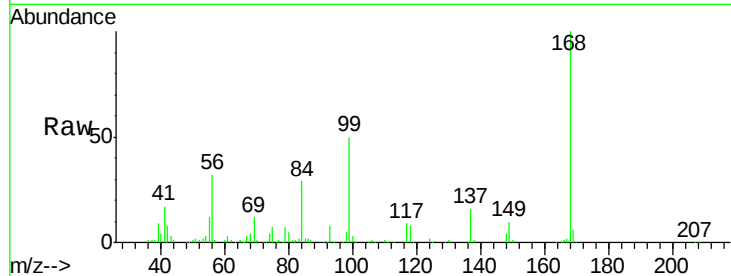
#31
Cyclohexane
Concen: 21.354 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	24.7	37.1
84	88.8	69.4	104.2

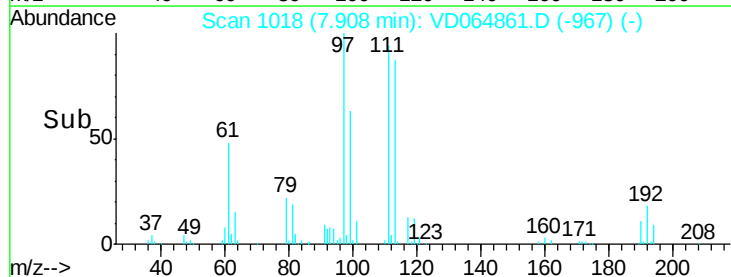
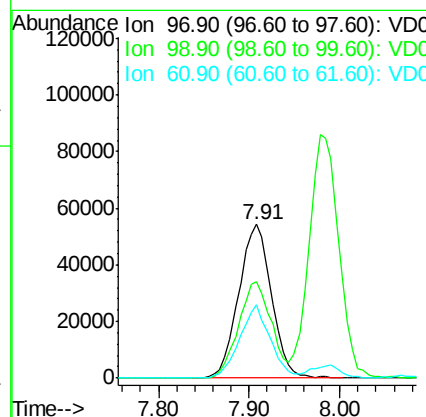
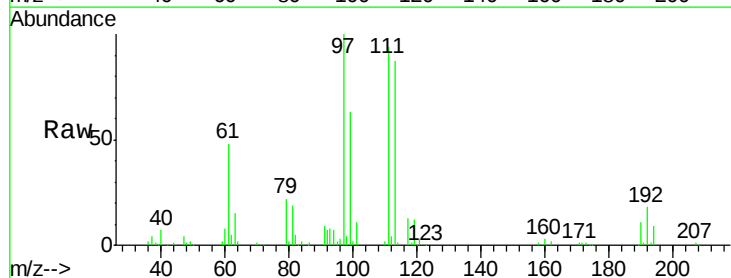
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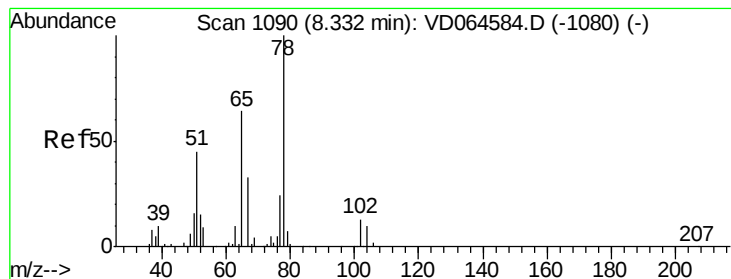
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#32
1,1,1-Trichloroethane
Concen: 22.538 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	44.0	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 50.689 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 65 Resp: 166878

Ion Ratio Lower Upper

65 100

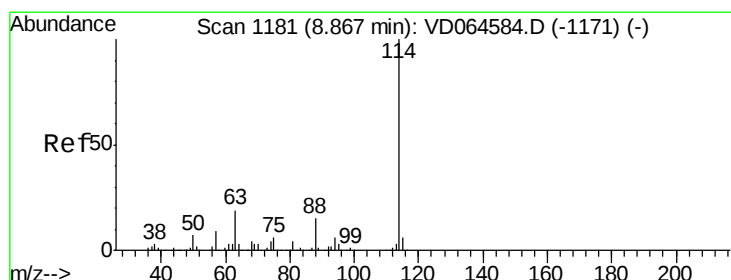
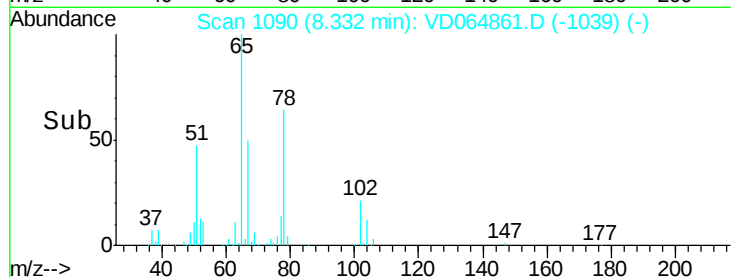
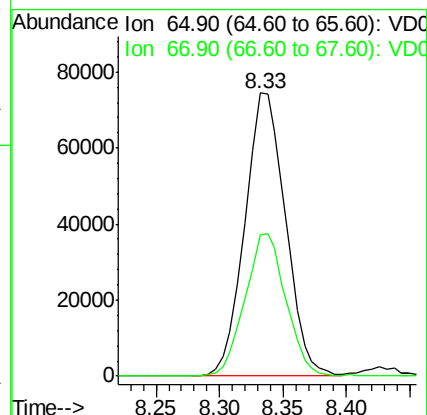
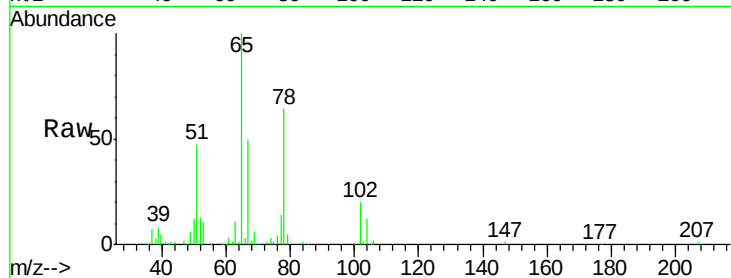
67 50.4 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

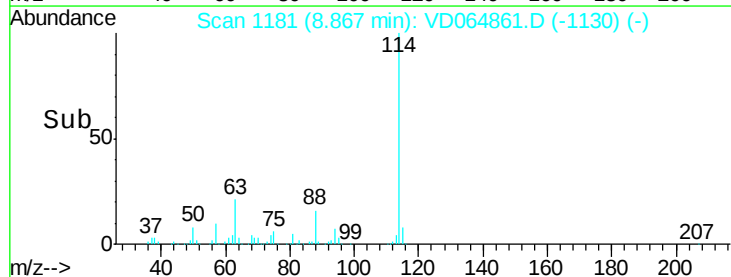
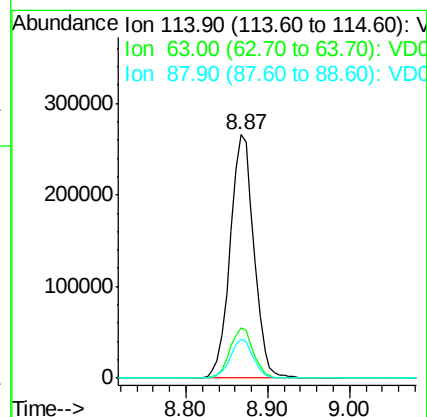
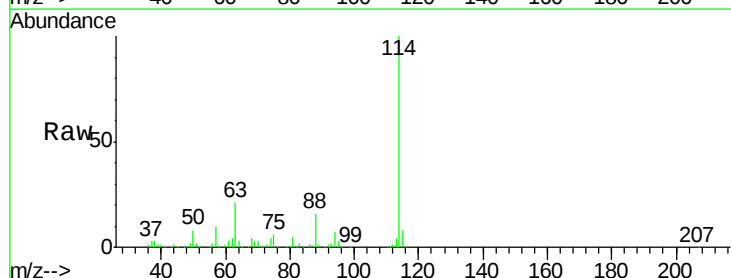
Tgt Ion: 114 Resp: 538312

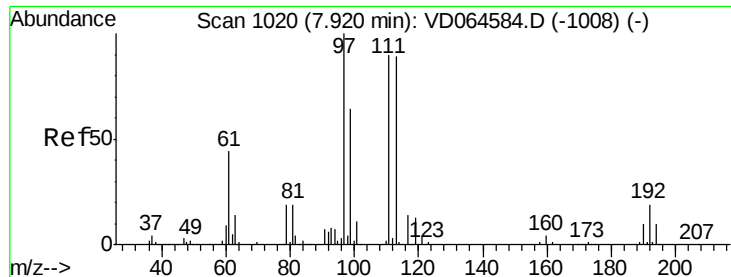
Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.0

88 15.8 0.0 29.2





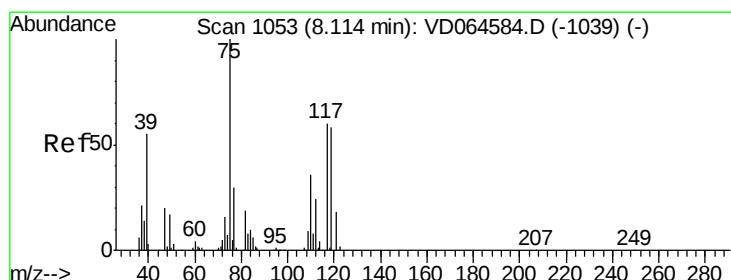
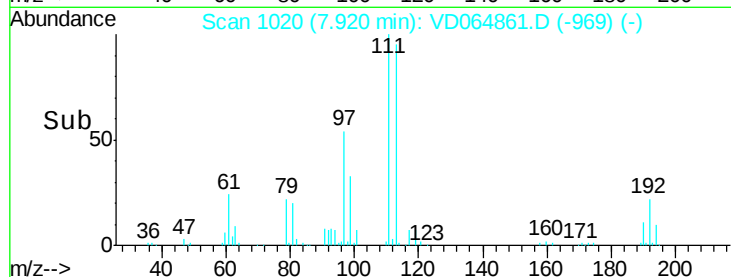
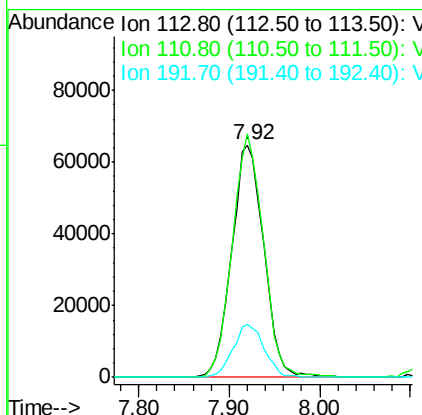
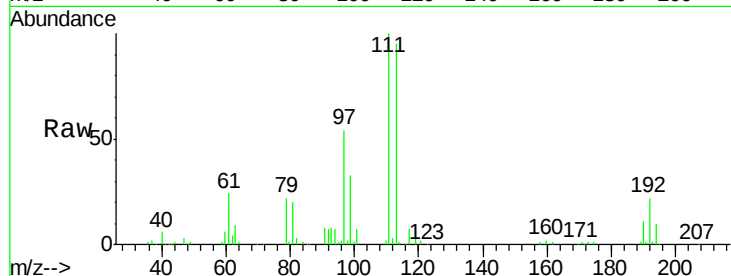
#35
Dibromofluoromethane
Concen: 48.399 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159846		
111	101.4	80.6	121.0	
192	22.1	17.9	26.9	

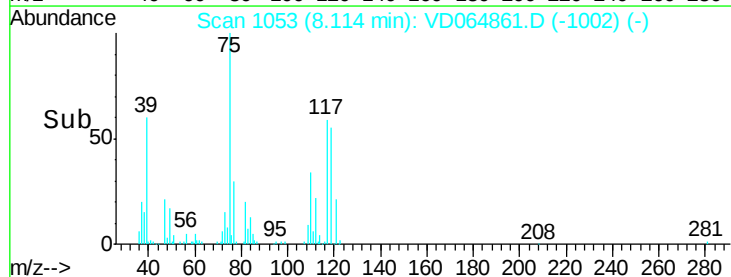
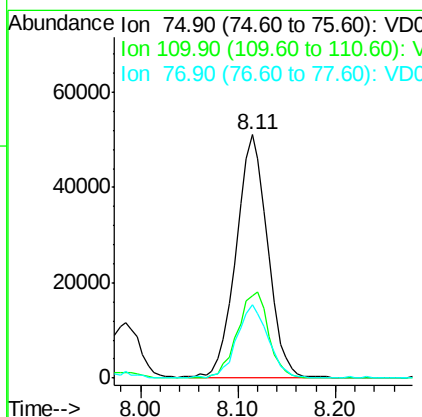
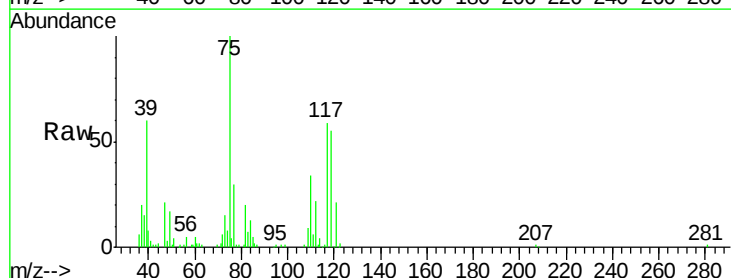
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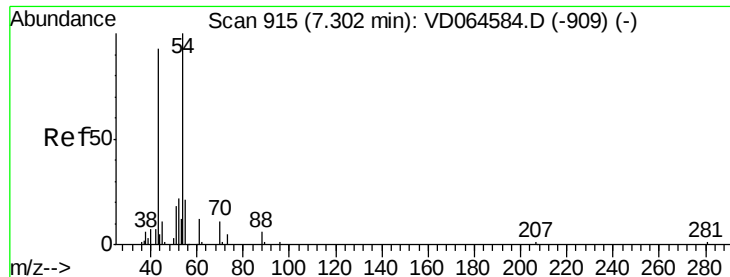
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#36
1,1-Dichloropropene
Concen: 22.292 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115498		
110	34.7	18.1	54.1	
77	29.9	24.2	36.4	





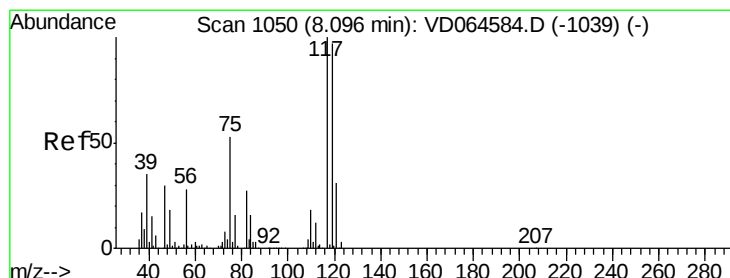
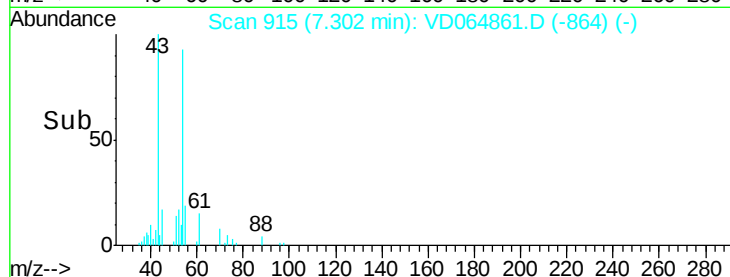
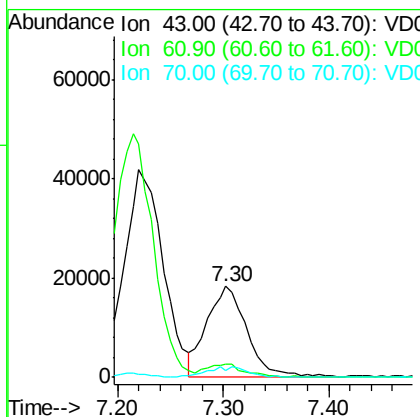
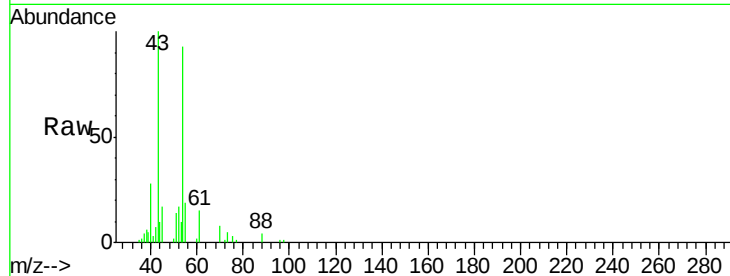
#37
Ethyl Acetate
Concen: 23.514 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	6.1	7.6	11.4

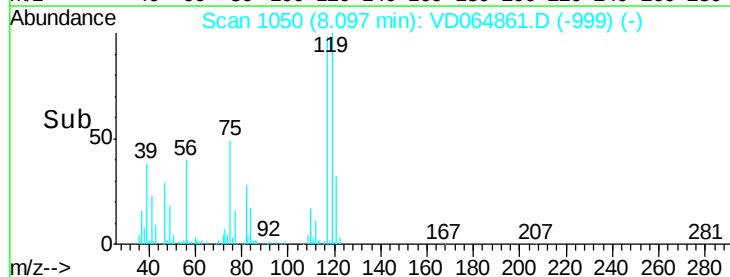
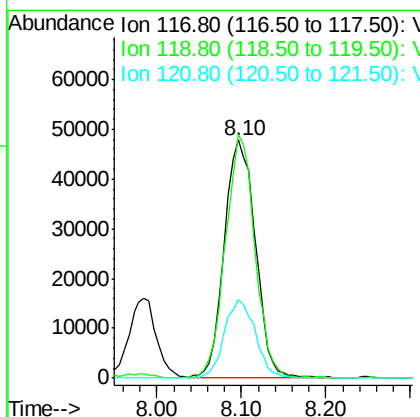
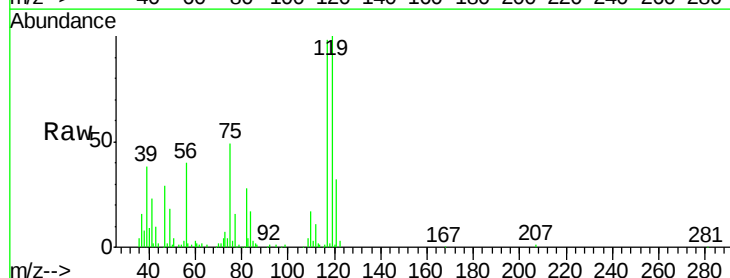
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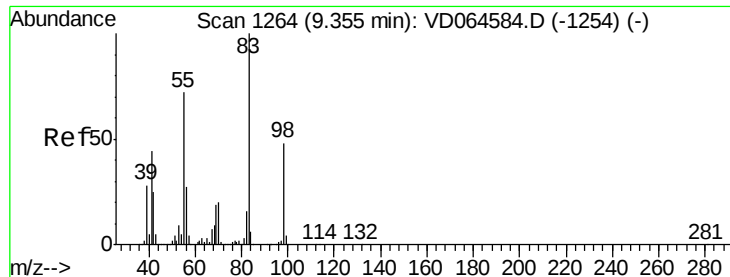
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#38
Carbon Tetrachloride
Concen: 22.056 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.0	77.3	115.9
121	33.2	25.0	37.6





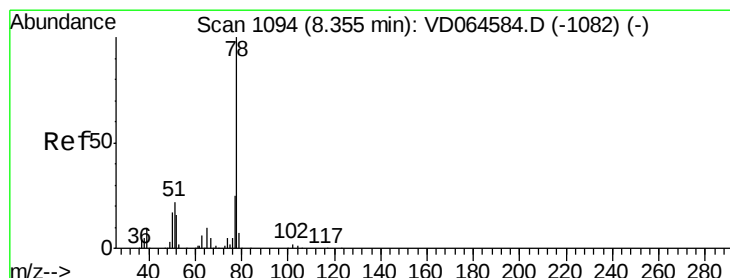
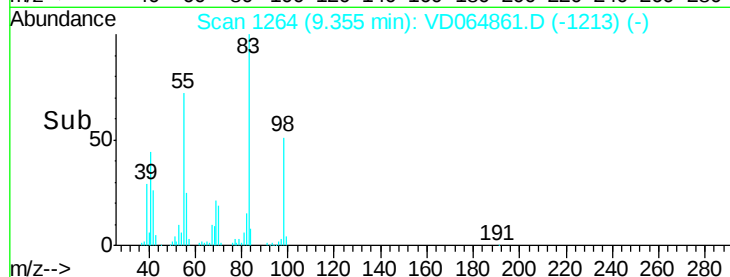
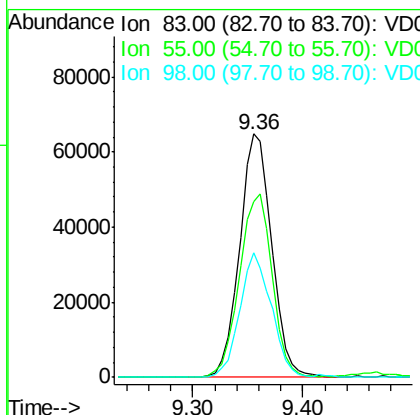
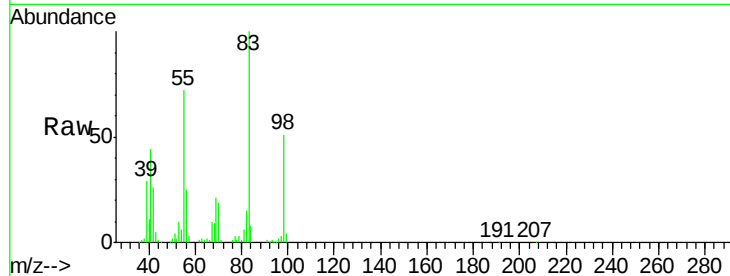
#39
Methvlcvclohexane
Concen: 21.140 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.8	86.6
98	51.1	38.7	58.1

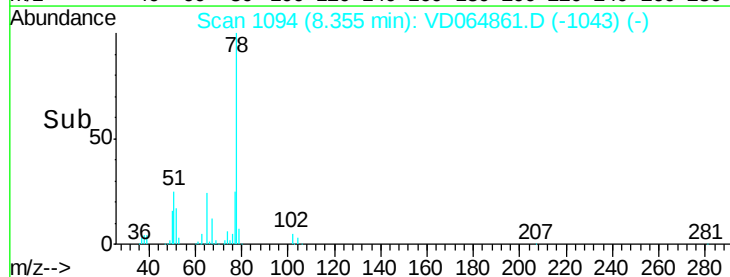
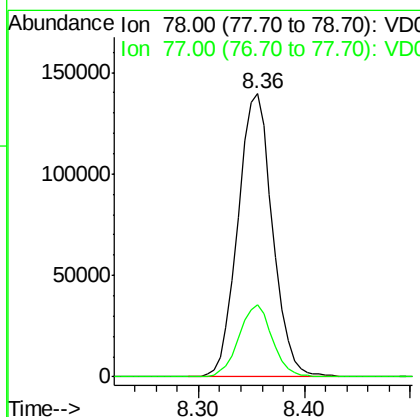
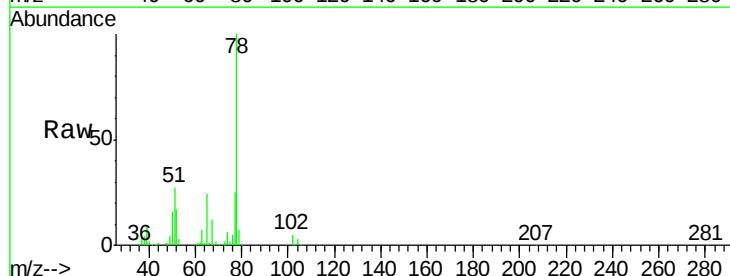
Manual Integrations
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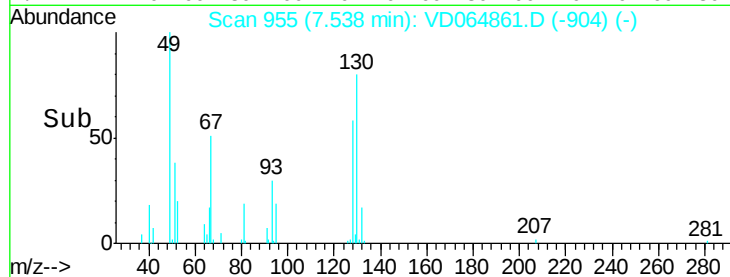
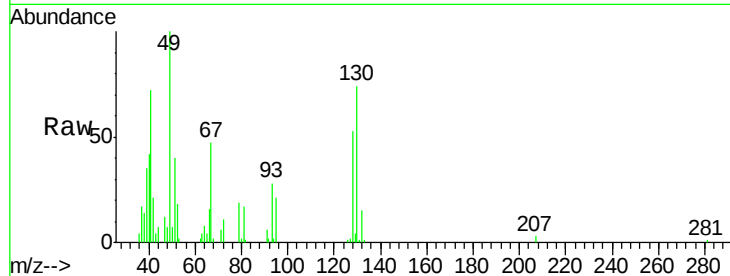
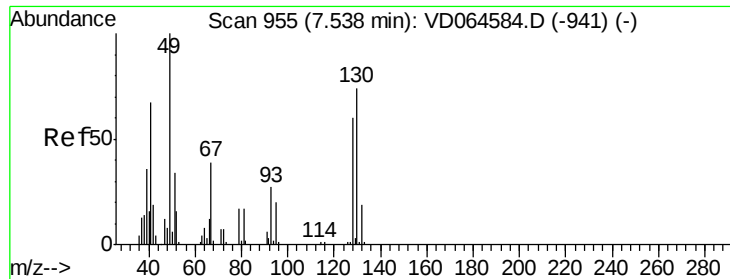
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#40
Benzene
Concen: 22.414 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

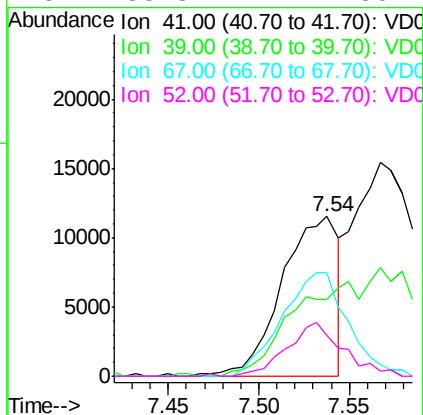
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.9	29.9





#41
Methacrylonitrile
Concen: 21.265 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

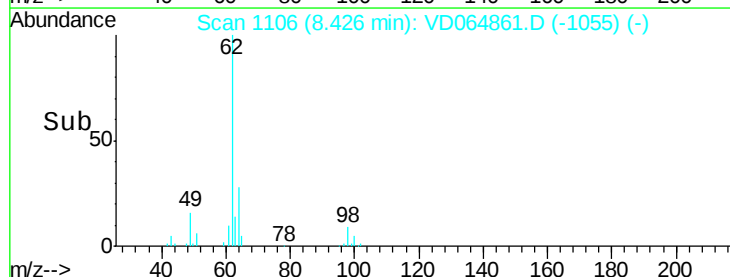
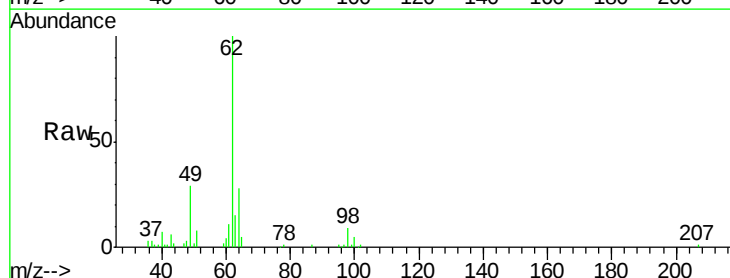
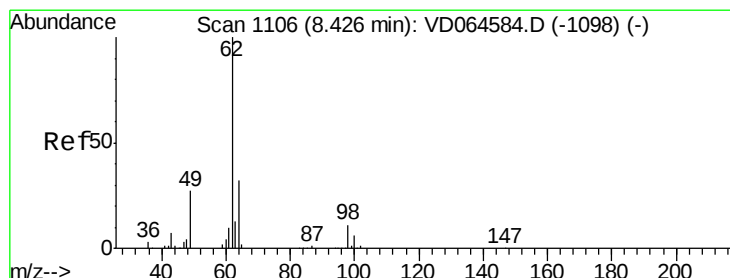
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.7	70.1#
67	75.3	52.5	78.7
52	33.3	24.1	36.1



Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

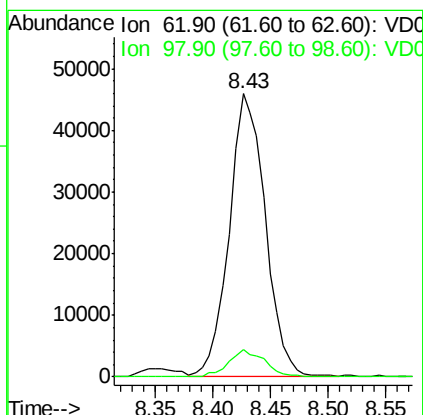
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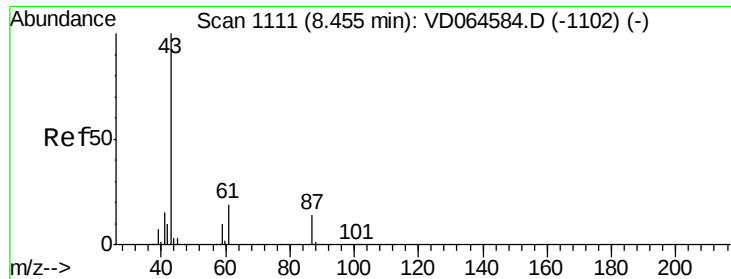
MMDadoda
1/20/2020 11:14:25 AM



#42
1,2-Dichloroethane
Concen: 24.408 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





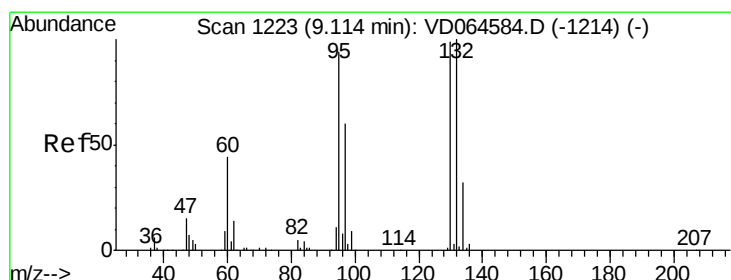
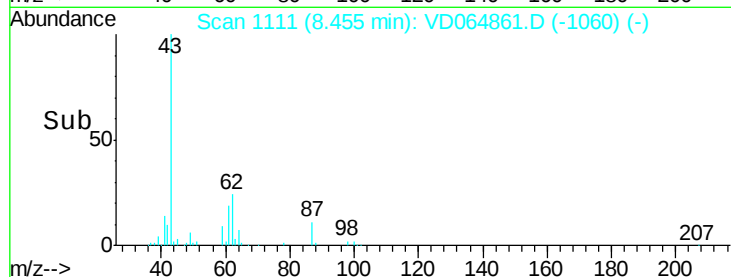
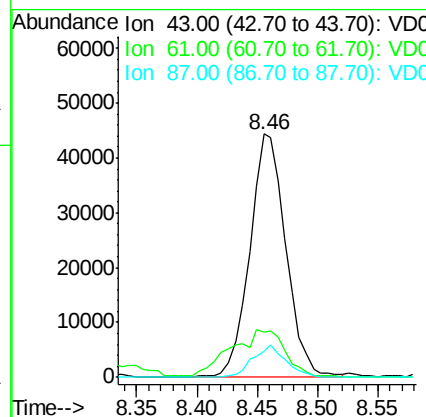
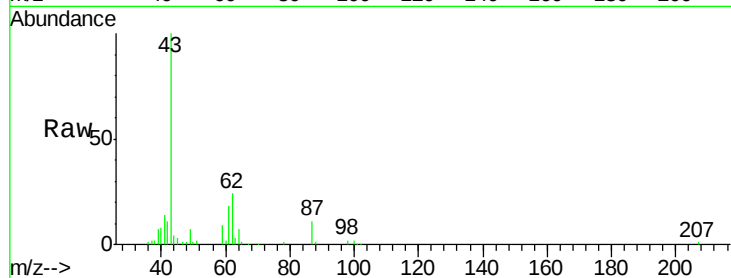
#43
Isopropyl Acetate
Concen: 22.835 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.7	35.5
87	12.3	10.5	15.7

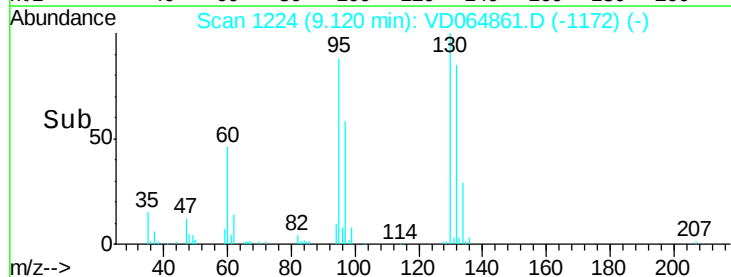
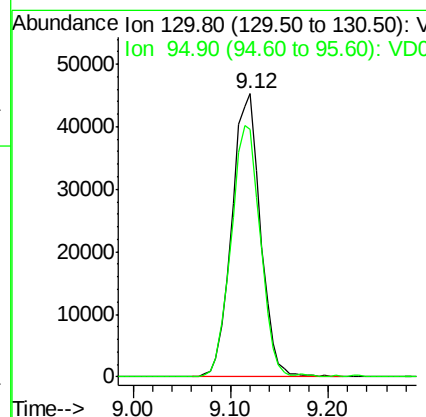
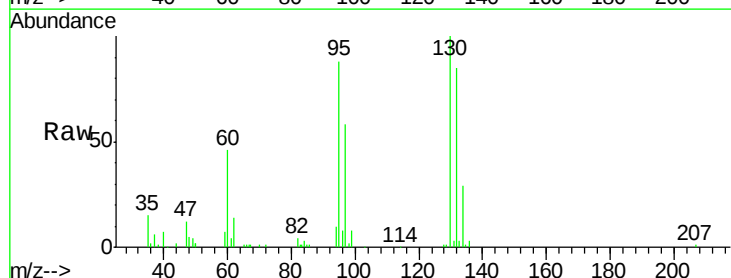
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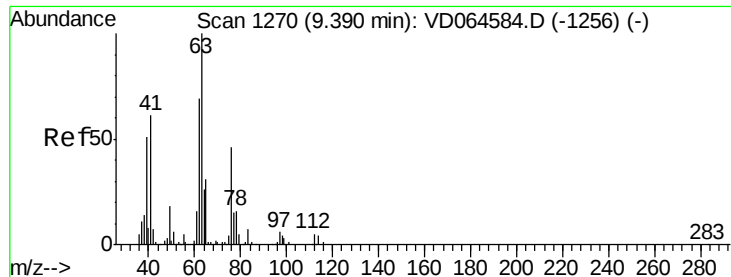
MMDadoda
1/20/2020 11:14:25 AM



#44
Trichloroethene
Concen: 22.181 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	190.2





#45

1,2-Dichloropropane

Concen: 23.687 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 63 Resp: 79993

Ion Ratio Lower Upper

63 100

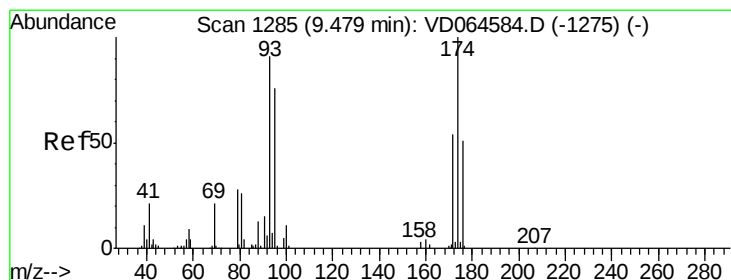
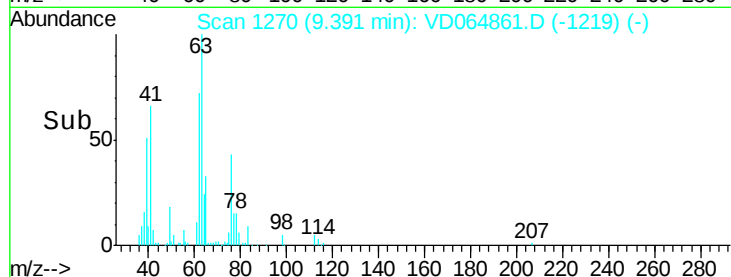
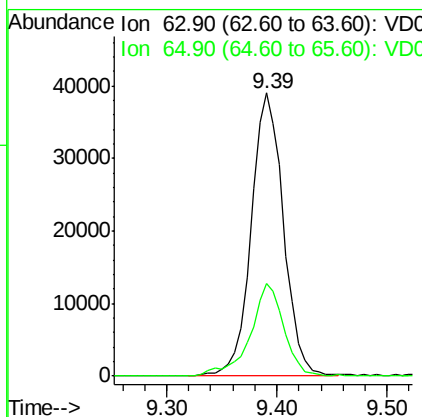
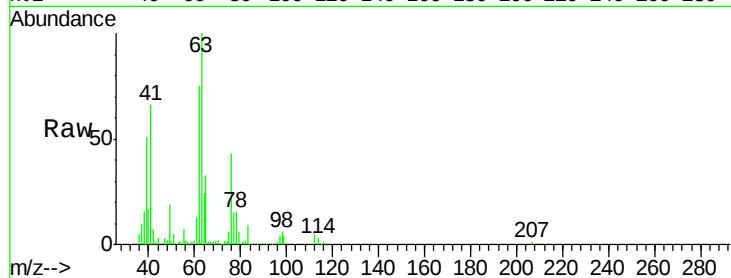
65 32.8 25.2 37.8

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#46

Dibromomethane

Concen: 23.228 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

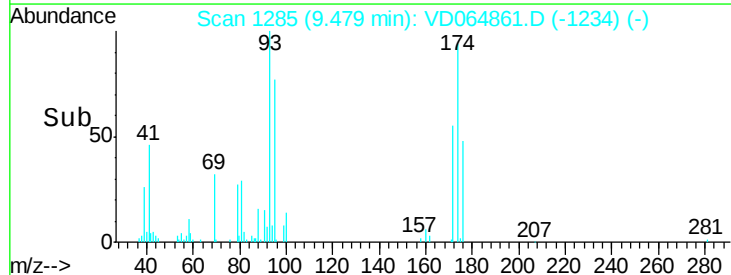
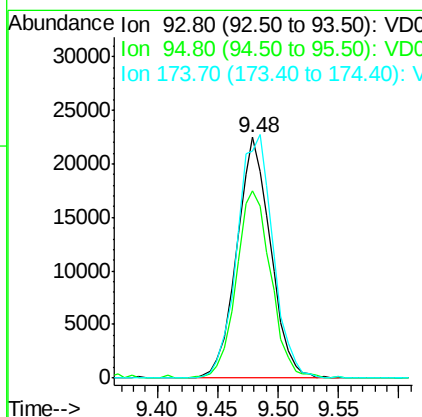
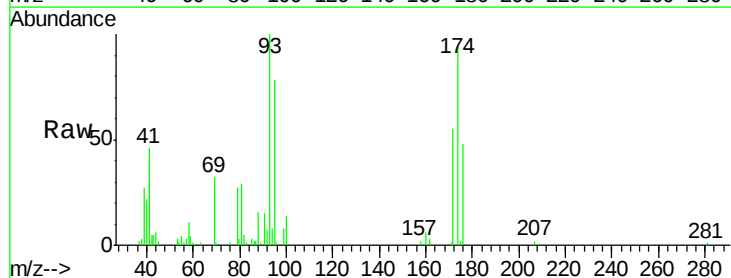
Tgt Ion: 93 Resp: 43736

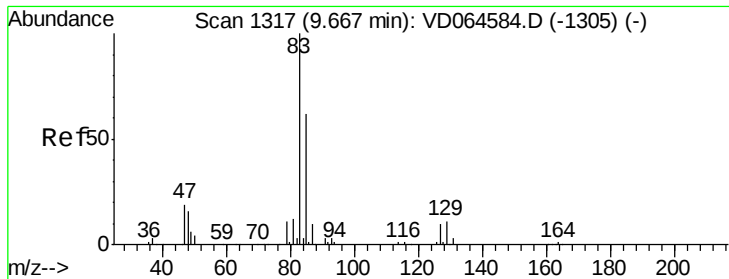
Ion Ratio Lower Upper

93 100

95 80.0 64.6 97.0

174 107.3 88.1 132.1





#47

Bromodichloromethane

Concen: 23.166 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

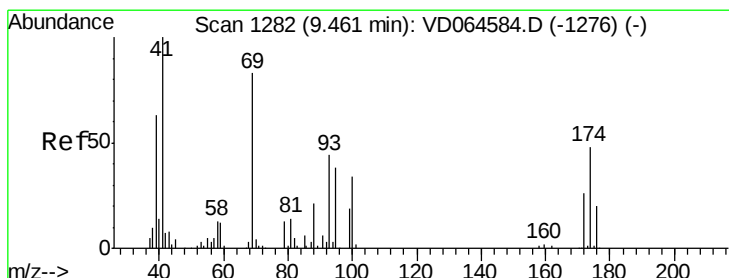
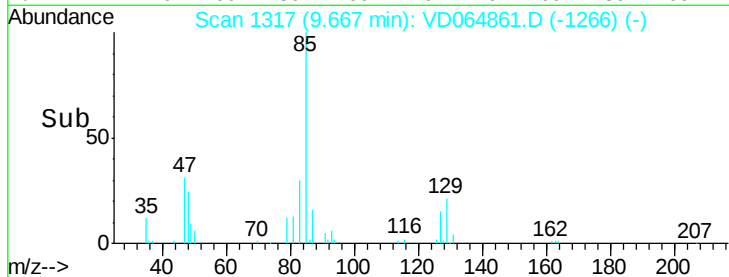
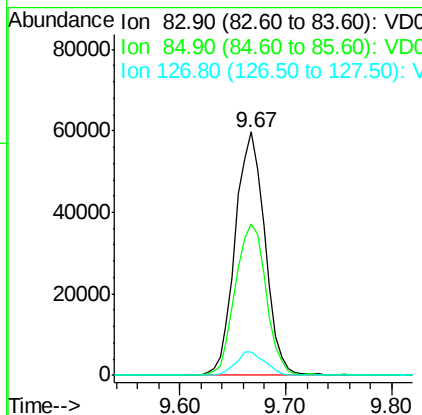
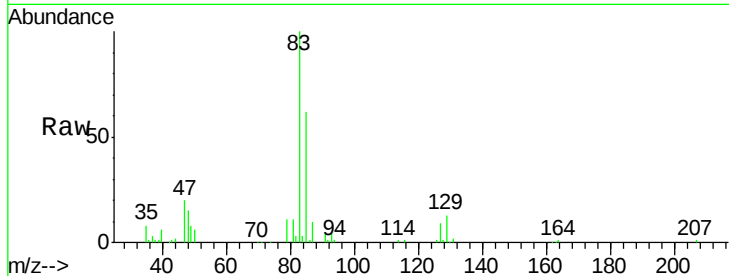
ClientSampleId :

VD0117SBS01

Tot Ion:	83	Resp:	116067
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3
127	9.4	7.8	11.6

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#48

Methyl methacrylate

Concen: 23.165 ug/l

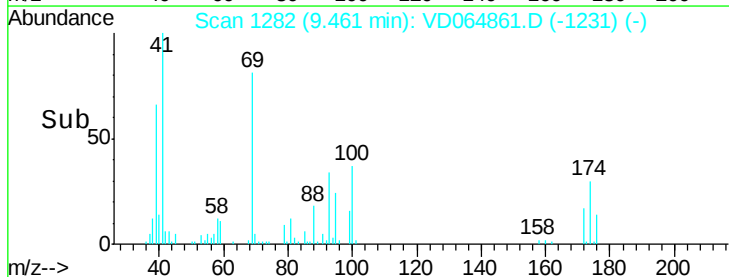
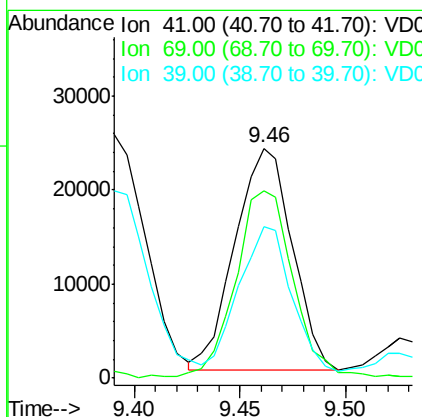
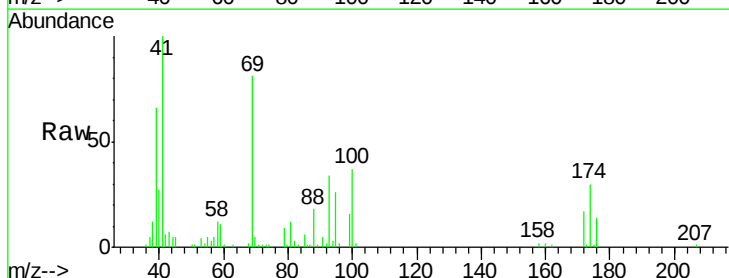
RT: 9.46 min Scan# 1282

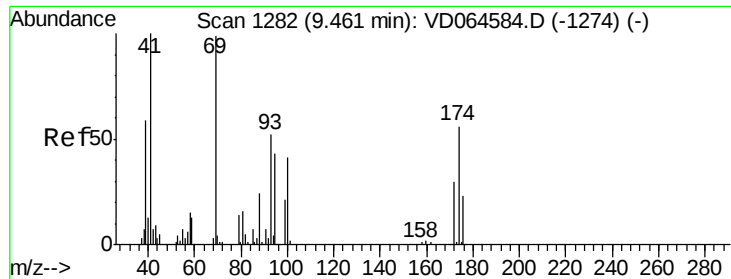
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	41	Resp:	44191
Ion	Ratio	Lower	Upper
41	100		
69	86.7	63.0	94.6
39	60.2	47.4	71.2





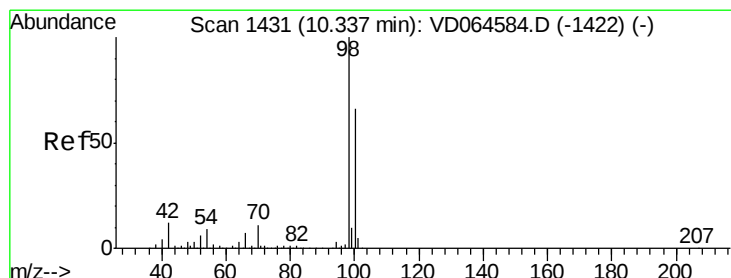
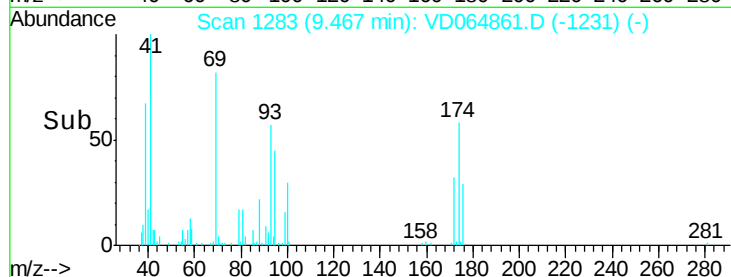
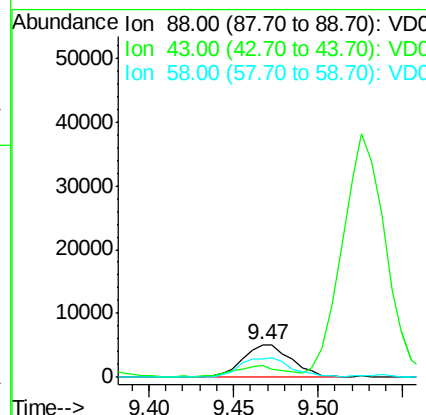
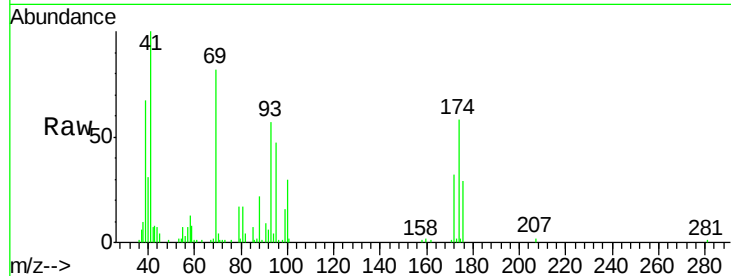
#49
1,4-Dioxane
Concen: 470.553 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	27.7	41.5
58	63.0	53.8	80.6

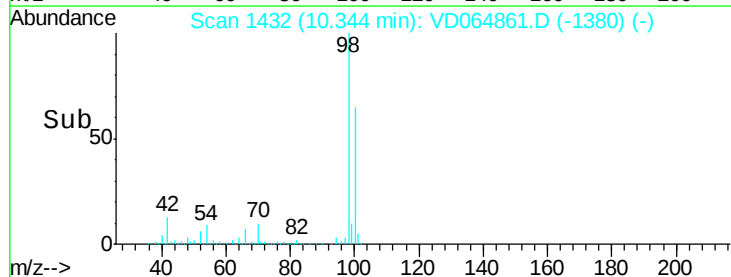
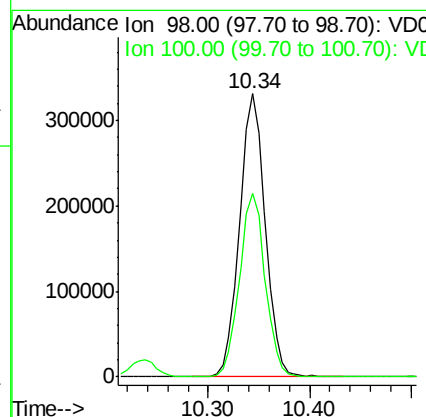
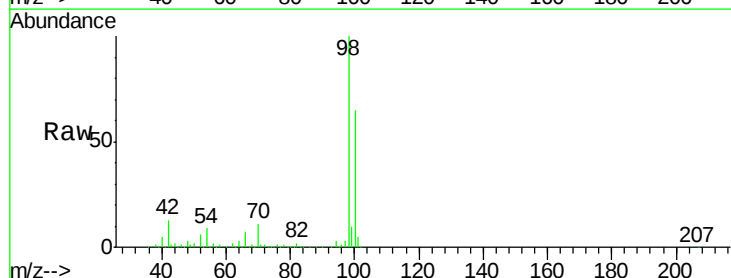
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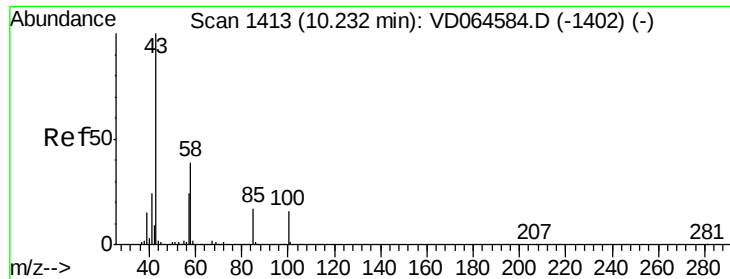
MMDadoda
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#50
Toluene-d8
Concen: 46.201 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 116.543 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleID :

VD0117SBS01

Tot Ion: 43 Resp: 233380

Ion Ratio Lower Upper

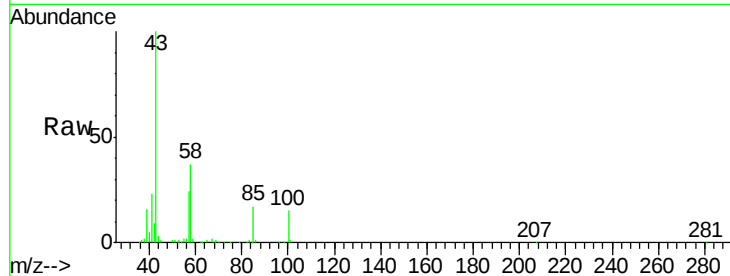
43 100

58 37.3 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

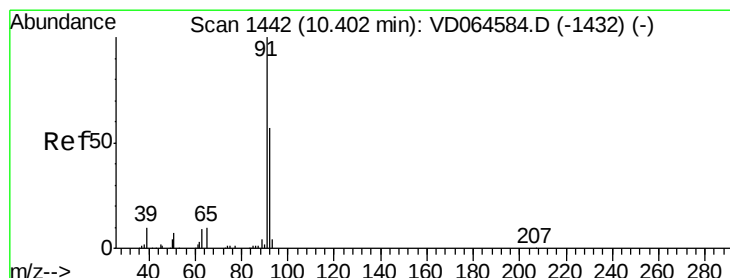
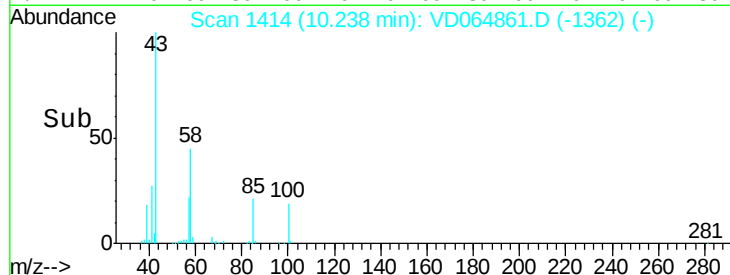
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 22.316 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064861.D

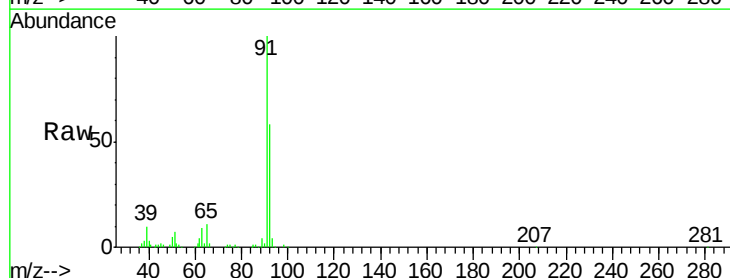
Acq: 17 Jan 2020 14:18

Tgt Ion: 92 Resp: 207090

Ion Ratio Lower Upper

92 100

91 171.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

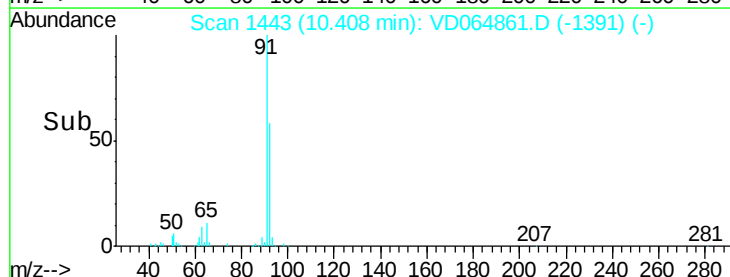
150000

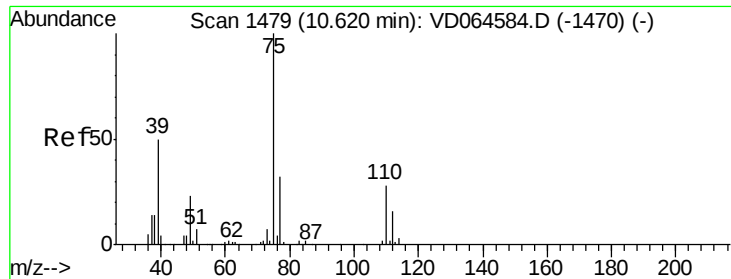
100000

50000

0

Time--> 10.30 10.40 10.50





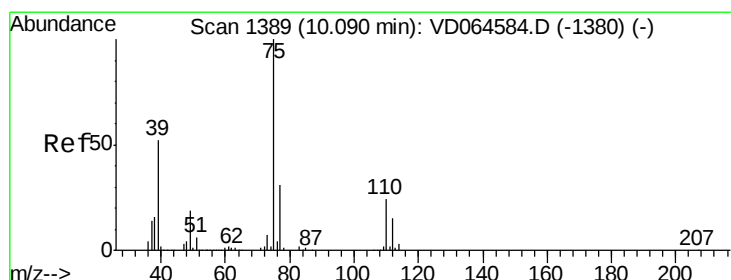
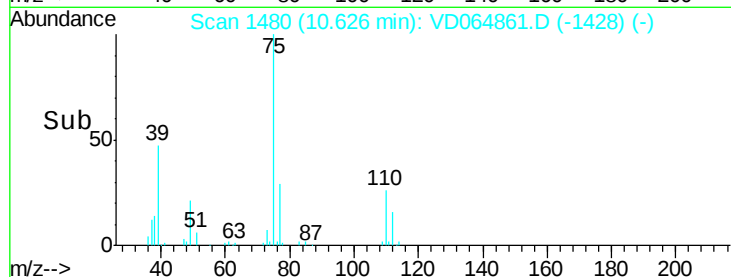
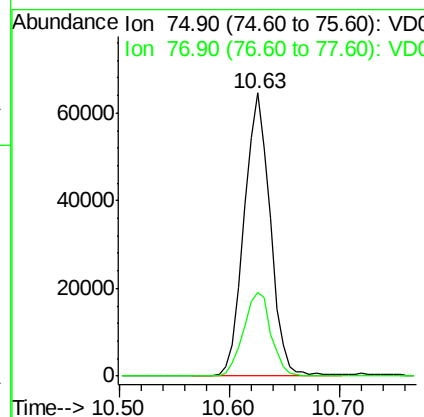
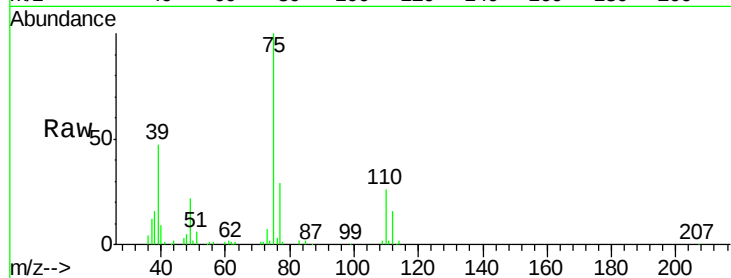
#53
t-1,3-Dichloropropene
Concen: 23.106 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 75 Resp: 107931
Ion Ratio Lower Upper
75 100
77 29.4 25.4 38.2

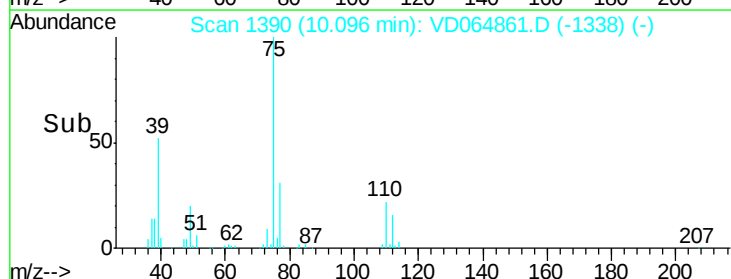
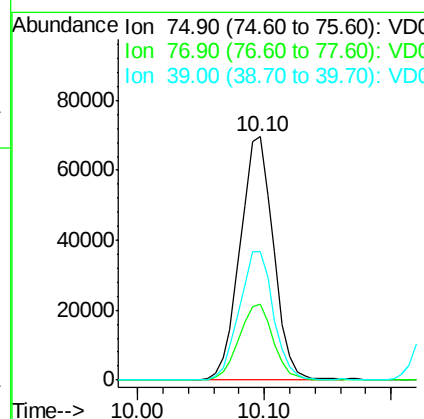
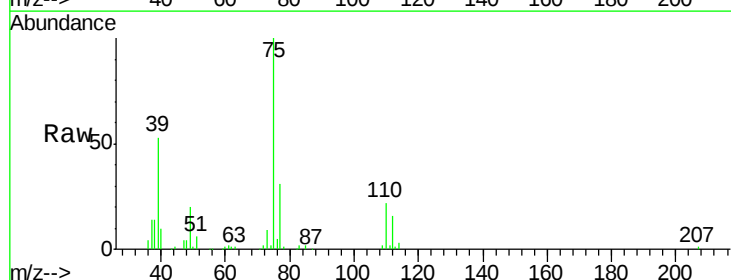
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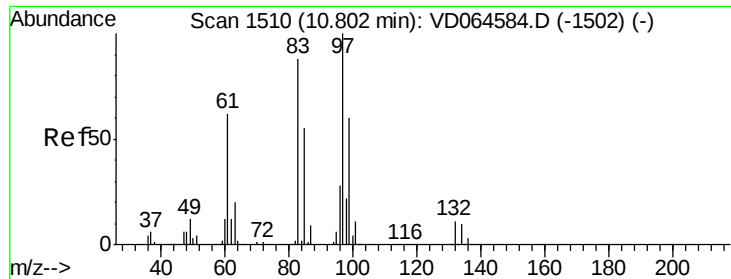
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#54
cis-1,3-Dichloropropene
Concen: 23.169 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 75 Resp: 127614
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 52.7 41.4 62.2





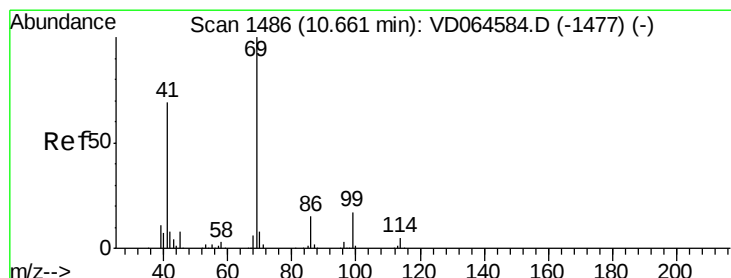
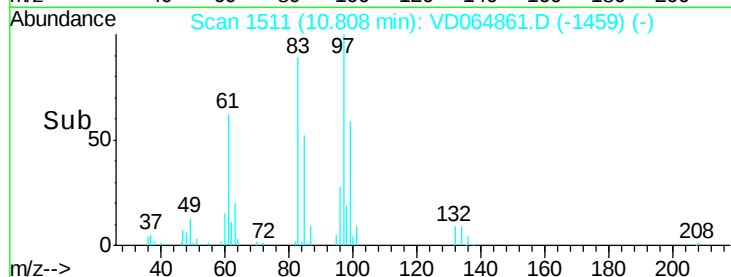
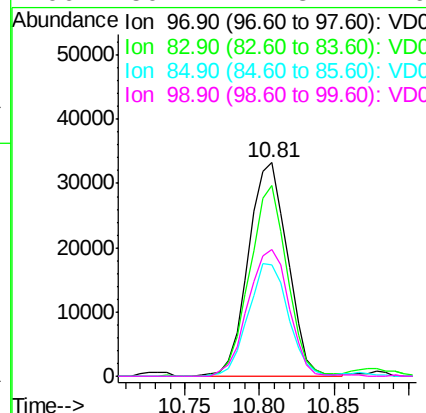
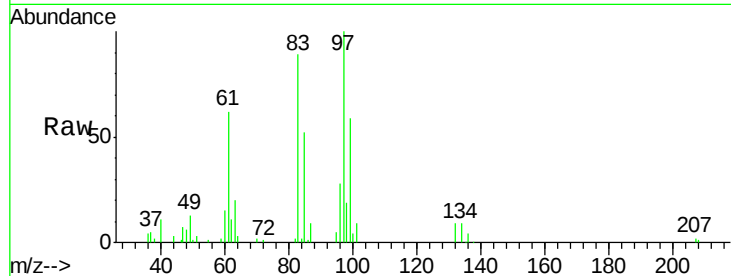
#55
 1,1,2-Trichloroethane
 Concen: 23.800 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	60393		
83	89.4	70.2	105.4	
85	52.1	44.0	66.0	
99	59.4	47.8	71.6	

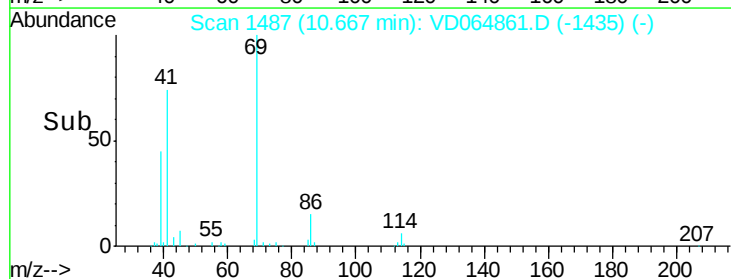
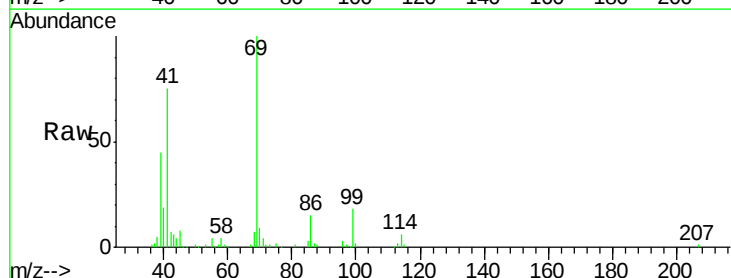
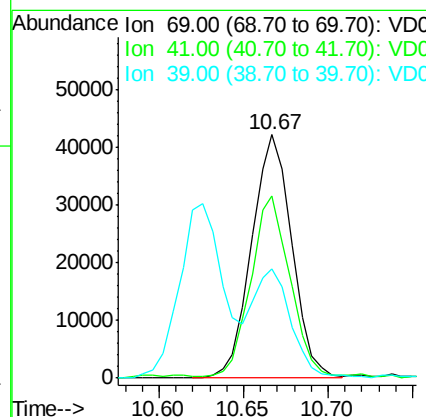
Manual Integrations
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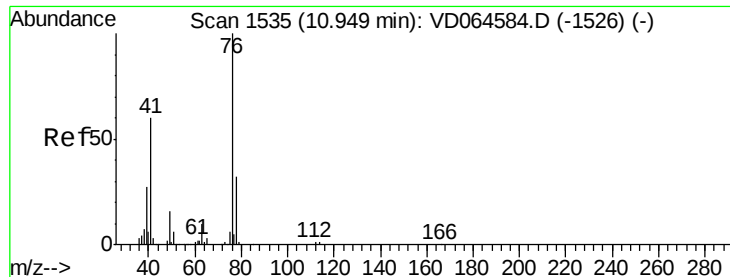
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#56
 Ethyl methacrylate
 Concen: 22.092 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	70009		
41	73.2	55.3	82.9	
39	41.4	33.8	50.8	





#57

1,3-Dichloropropane

Concen: 23.055 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 76 Resp: 100729

Ion Ratio Lower Upper

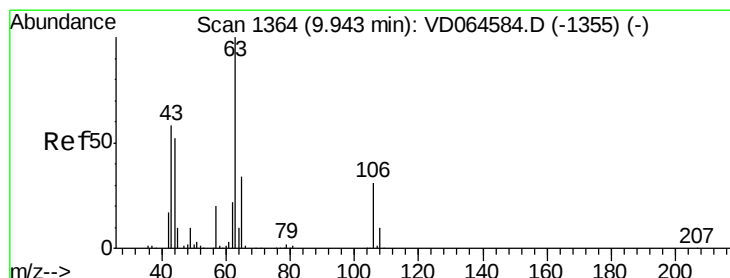
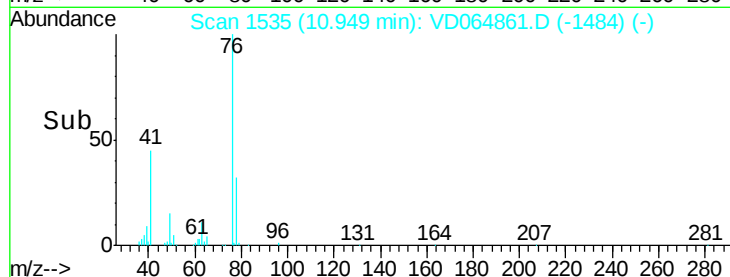
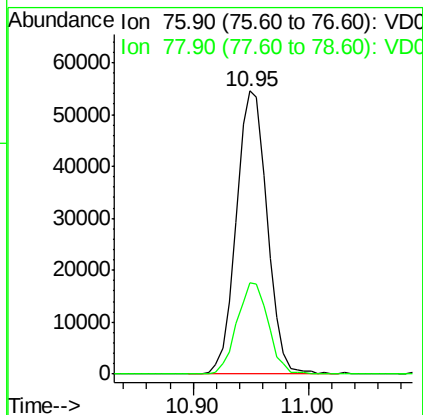
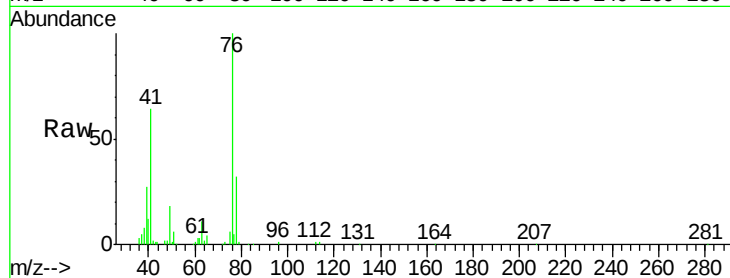
76 100

78 32.7 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 125.257 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064861.D

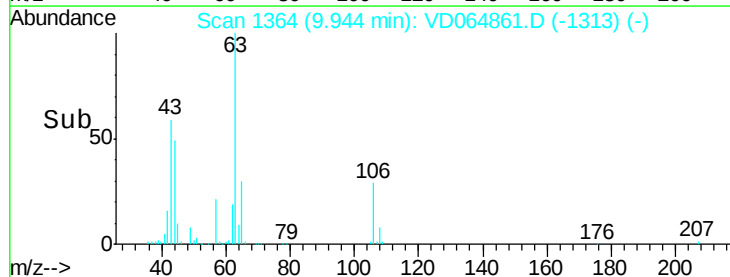
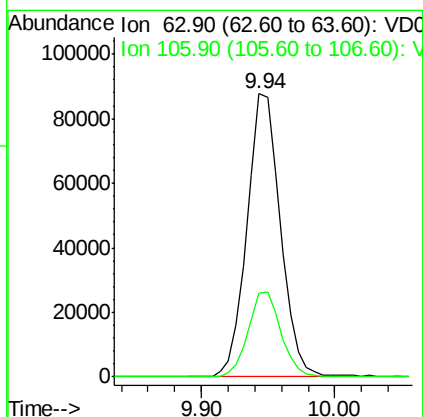
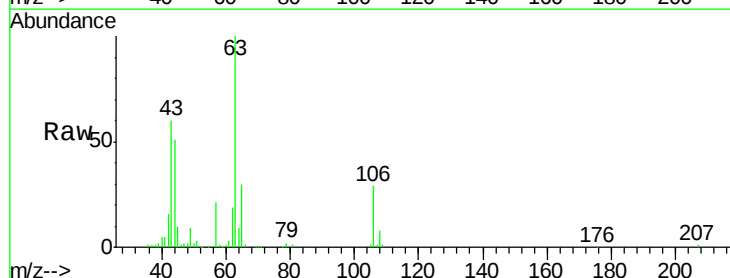
Acq: 17 Jan 2020 14:18

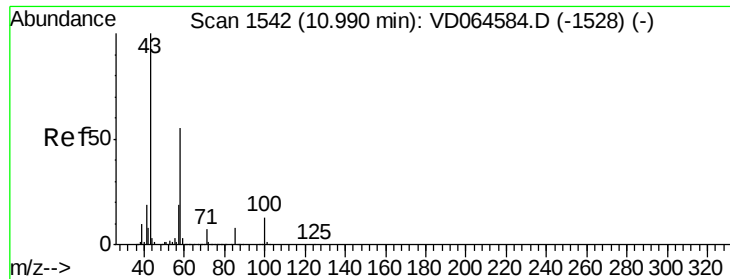
Tgt Ion: 63 Resp: 151230

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8





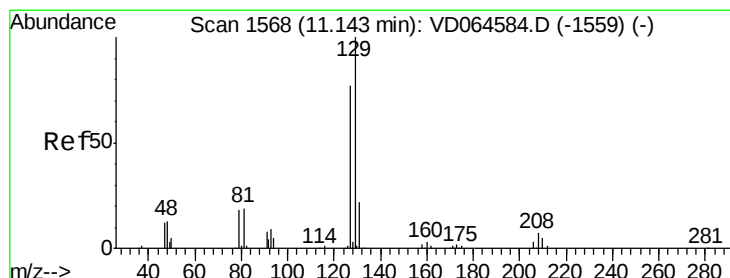
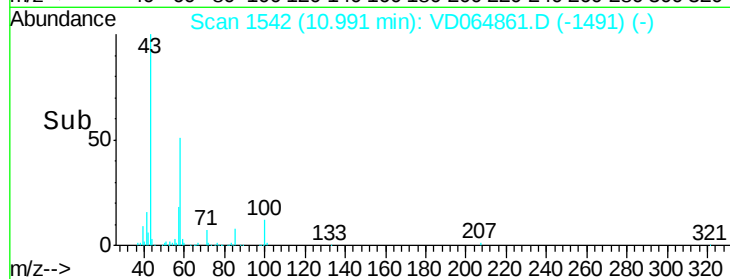
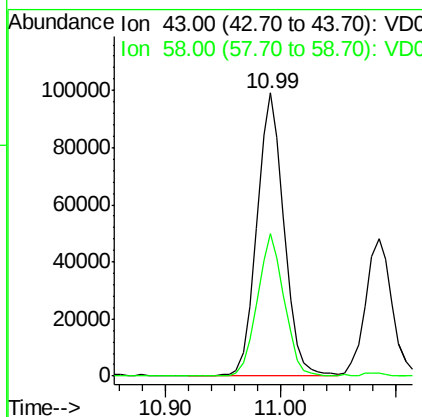
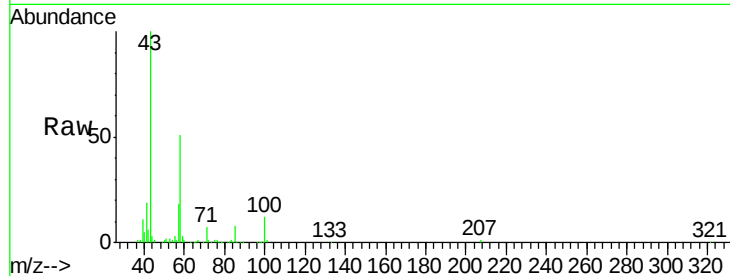
#59
2-Hexanone
Concen: 119.491 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 43 Resp: 162406
Ion Ratio Lower Upper
43 100
58 49.9 26.4 79.0

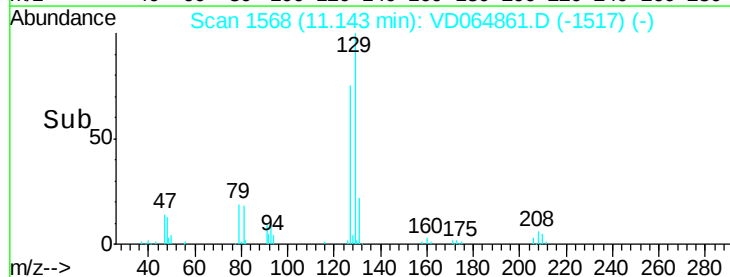
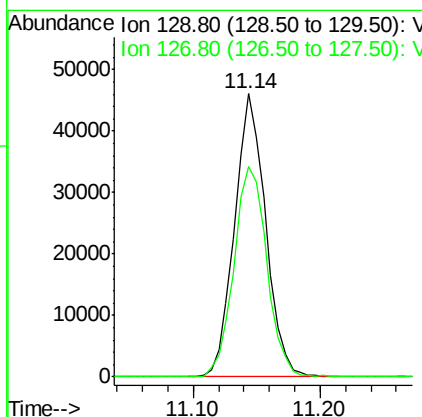
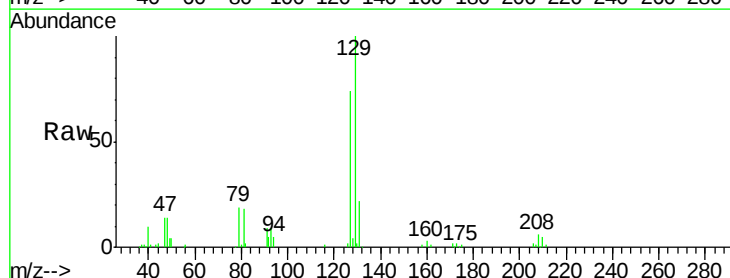
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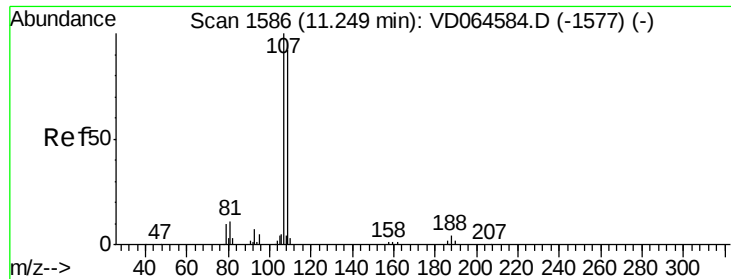
MMDadoda
1/20/2020 11:14:25 AM



#60
Dibromochloromethane
Concen: 22.281 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 129 Resp: 78184
Ion Ratio Lower Upper
129 100
127 78.9 38.4 115.2





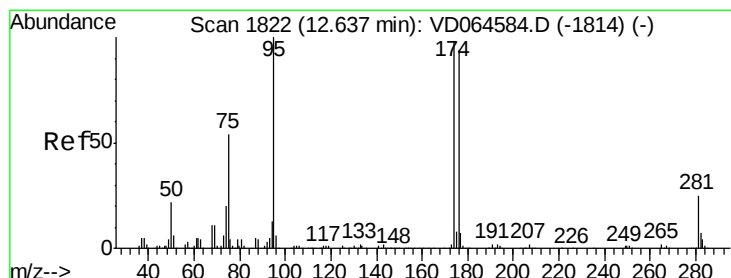
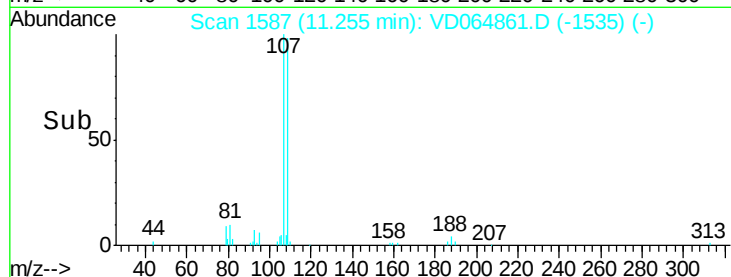
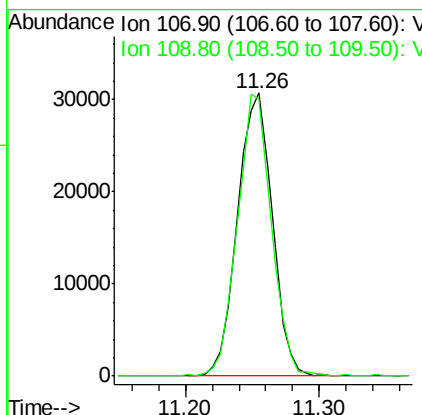
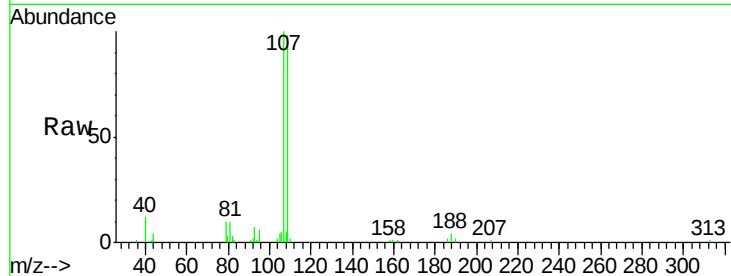
#61
 1,2-Dibromoethane
 Concen: 22.065 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion: 107 Resp: 55224
 Ion Ratio Lower Upper
 107 100
 109 97.7 75.6 113.4

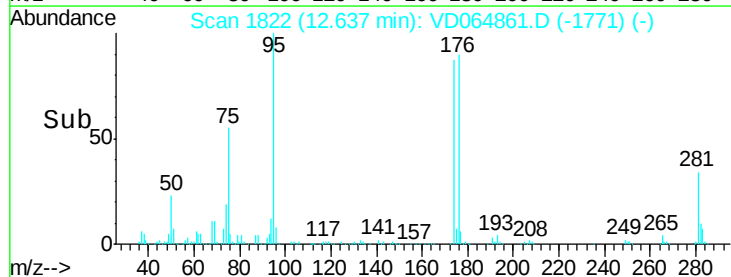
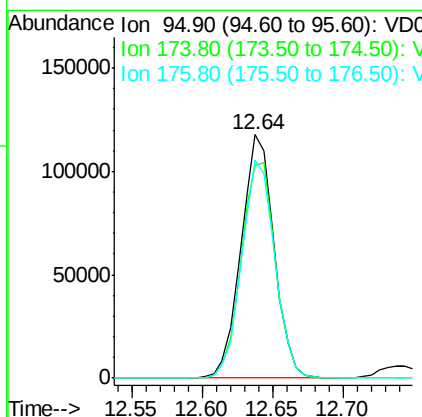
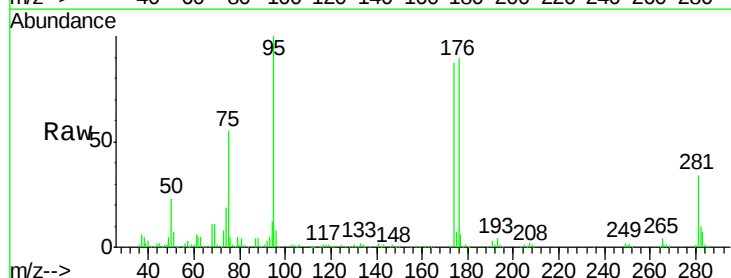
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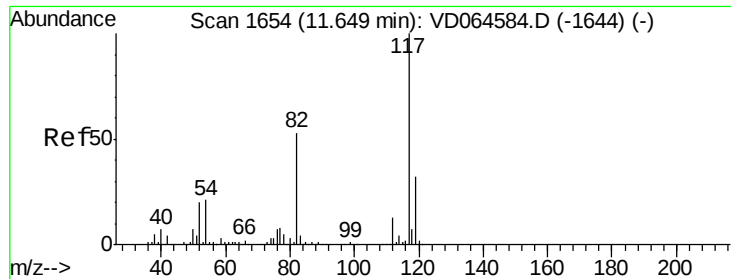
MMDadoda
 1/20/2020 11:14:25 AM



#62
 4-Bromofluorobenzene
 Concen: 48.164 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 95 Resp: 192638
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 193.2
 176 90.0 0.0 184.2





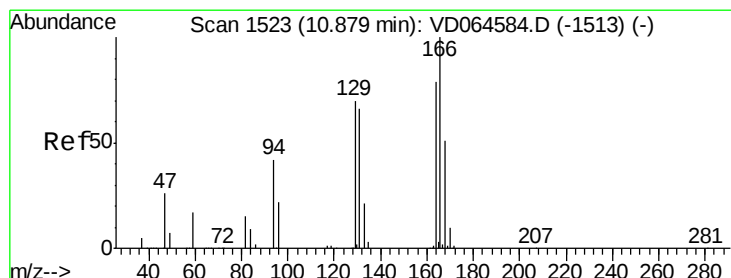
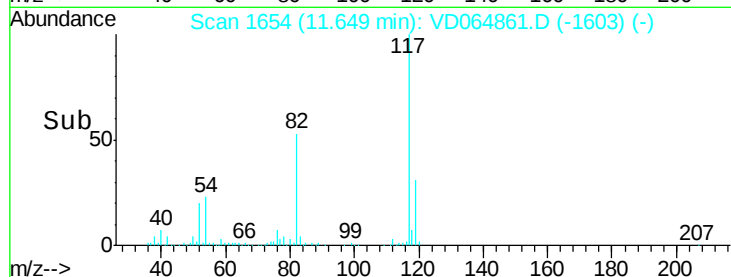
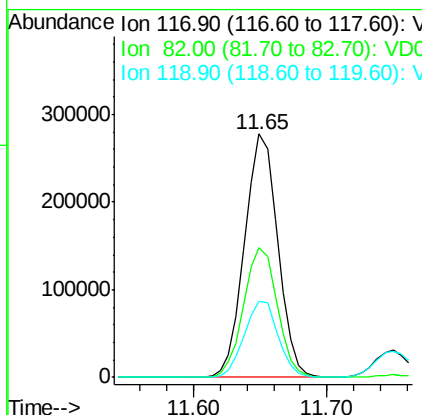
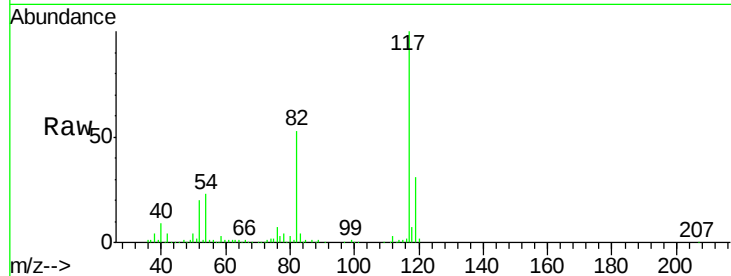
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	478135		
82	53.2		42.2	63.4
119	31.5		26.0	39.0

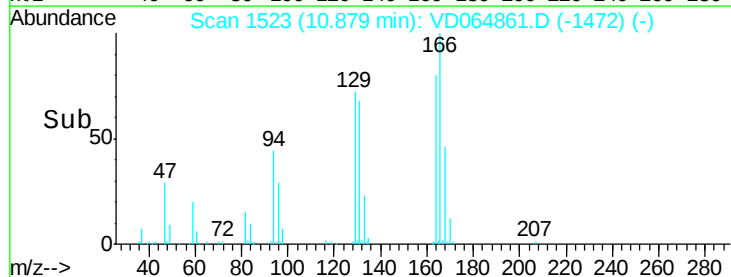
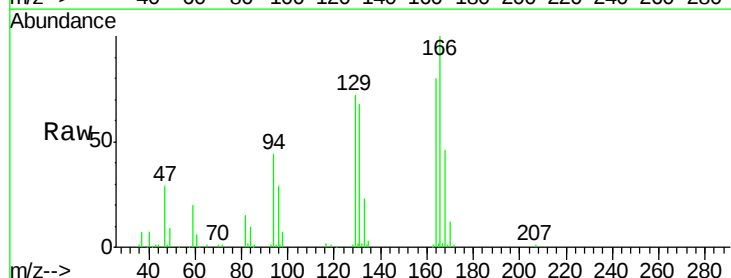
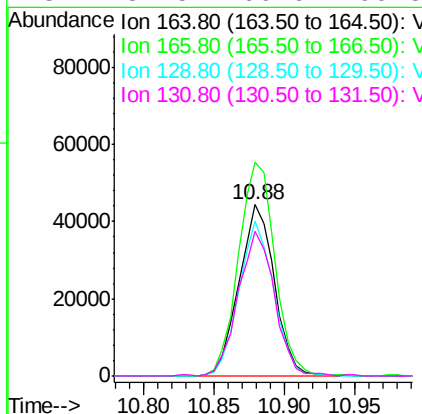
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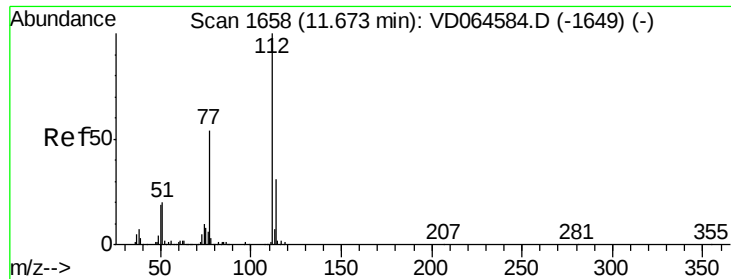
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#64
Tetrachloroethene
Concen: 21.243 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77923		
166	124.7		101.3	151.9
129	90.1		70.5	105.7
131	84.5		66.6	99.8





#65

Chlorobenzene

Concen: 22.450 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:112 Resp: 222787

Ion Ratio Lower Upper

112 100

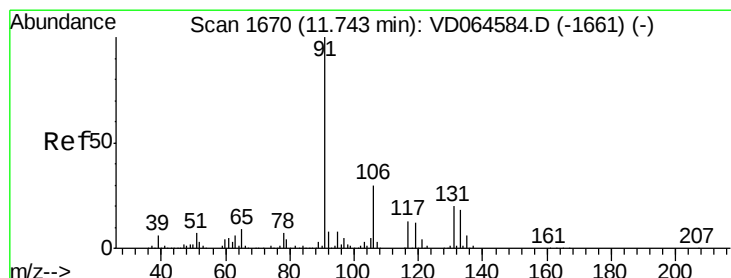
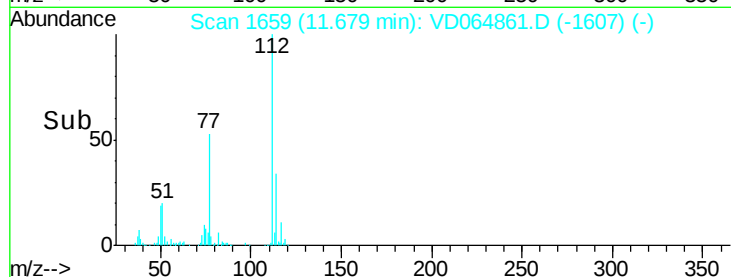
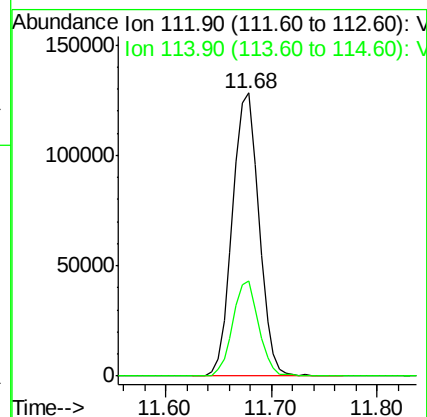
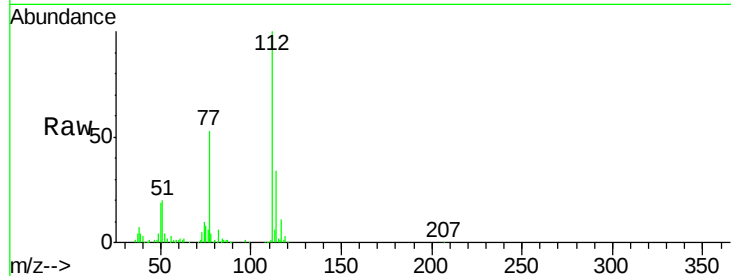
114 33.6 24.8 37.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.890 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

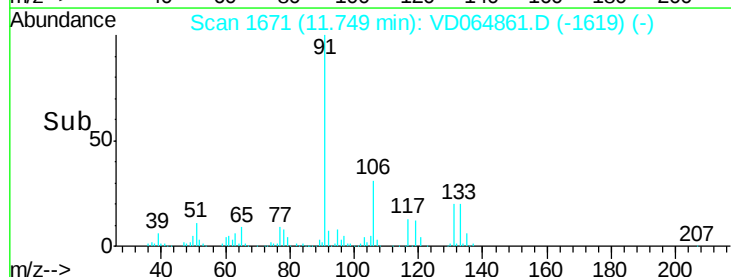
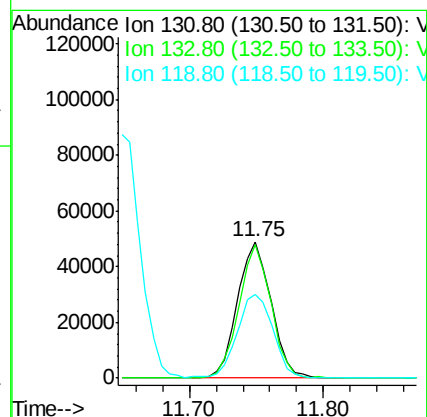
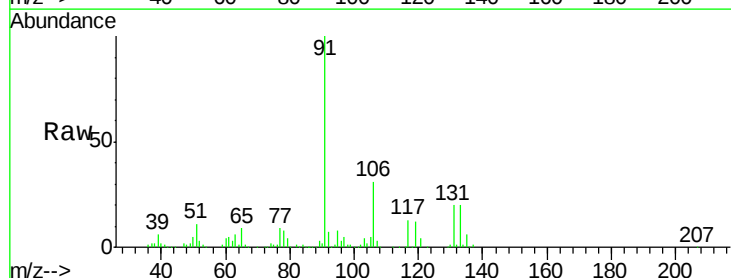
Tgt Ion:131 Resp: 85632

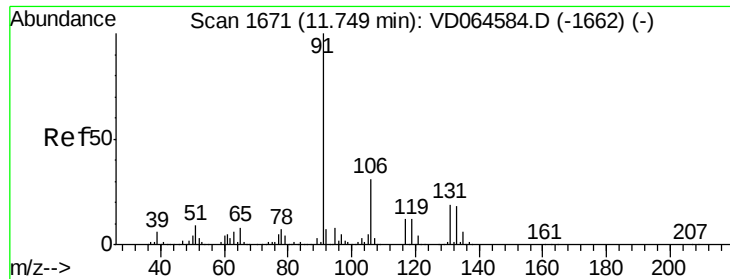
Ion Ratio Lower Upper

131 100

133 92.9 48.3 144.8

119 64.9 32.1 96.3





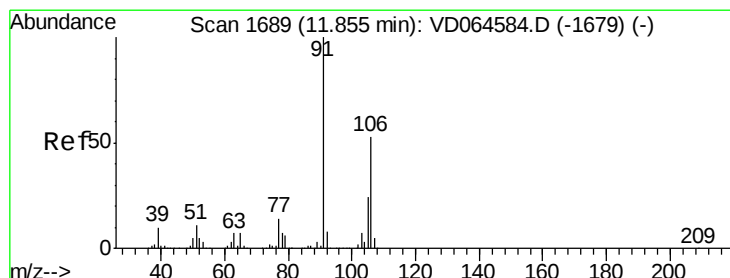
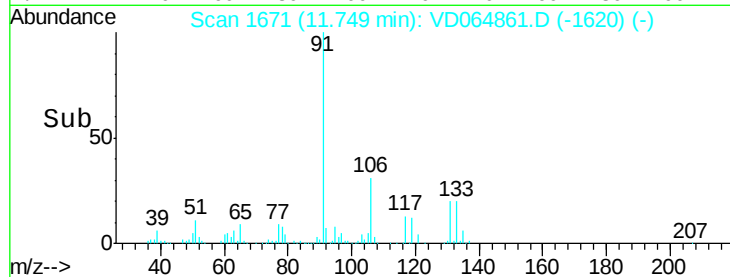
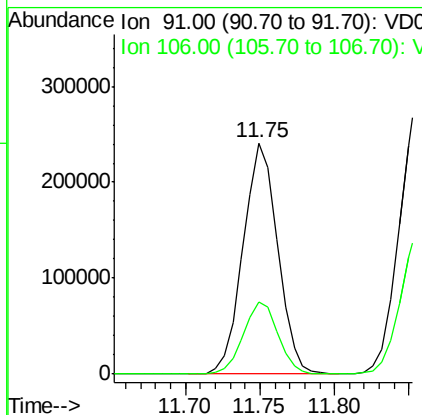
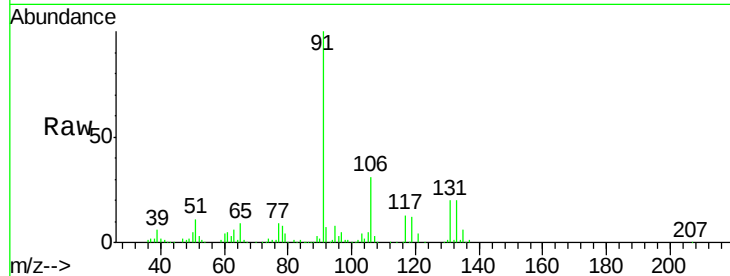
#67
Ethyl Benzene
Concen: 21.490 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 91 Resp: 387079
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

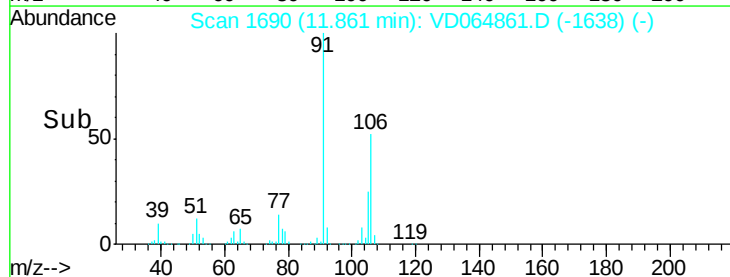
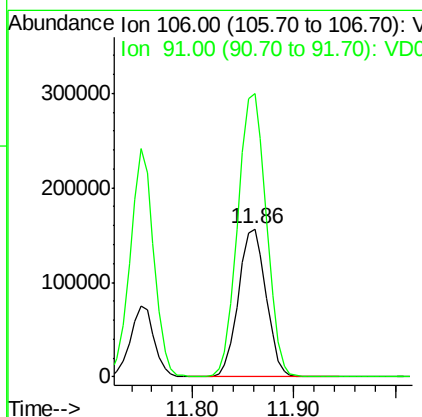
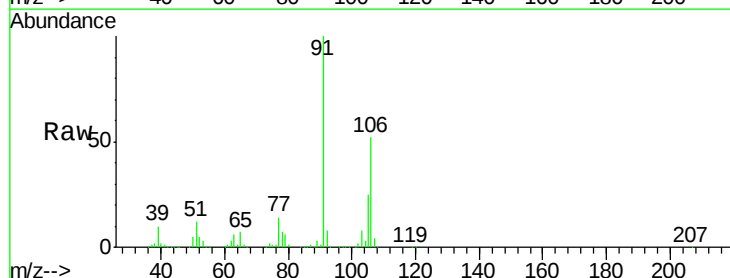
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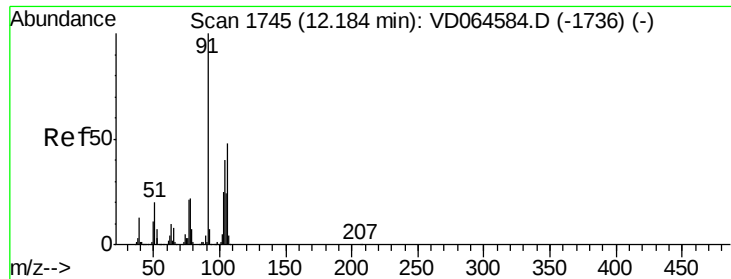
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#68
m/p-Xylenes
Concen: 42.803 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 106 Resp: 297579
Ion Ratio Lower Upper
106 100
91 197.6 156.3 234.5





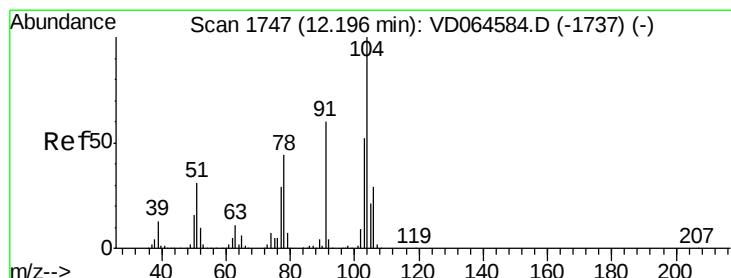
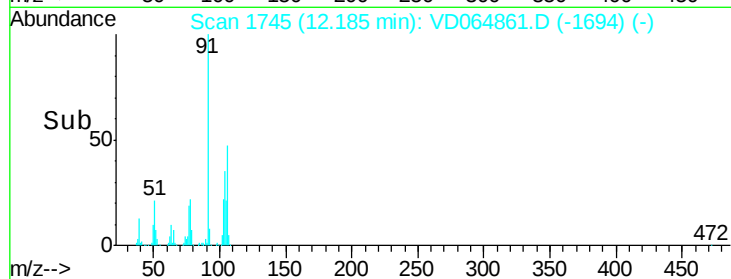
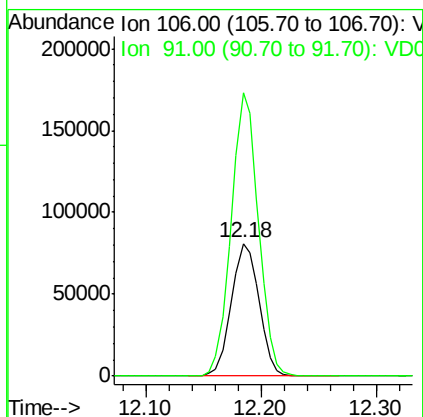
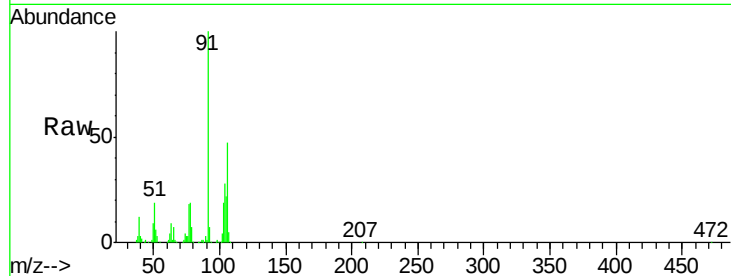
#69
o-Xylene
Concen: 21.606 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	104.8	314.4

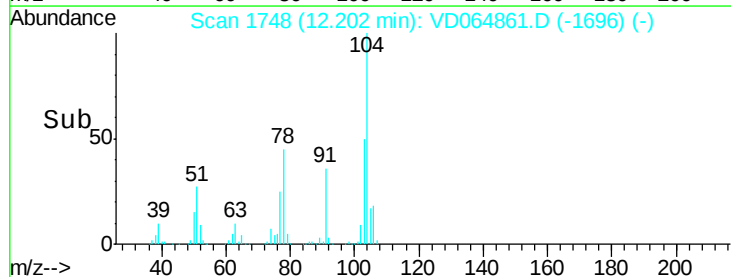
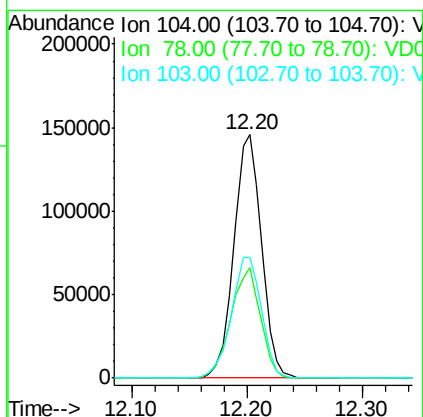
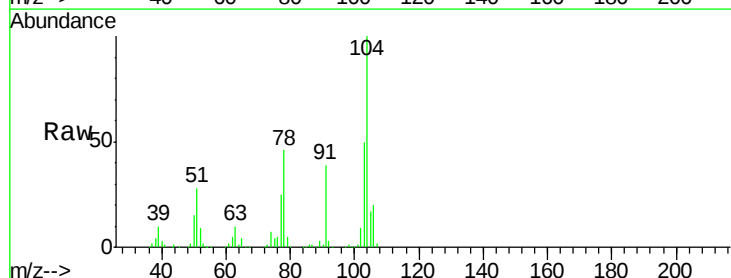
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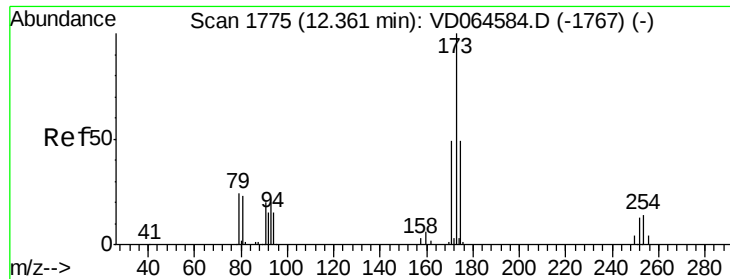
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#70
Styrene
Concen: 21.881 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.2	57.2
103	54.3	44.6	67.0





#71

Bromoform

Concen: 22.564 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:173 Resp: 48138

Ion Ratio Lower Upper

173 100

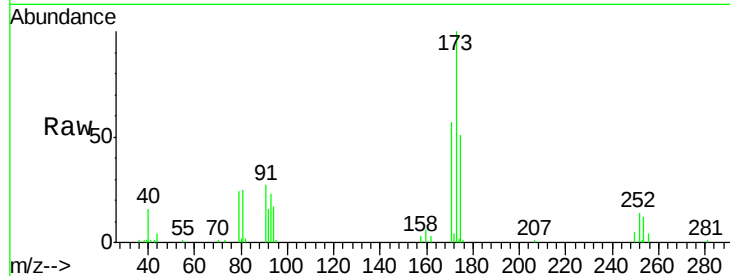
175 47.8 24.6 73.8

254 0.0 0.1 0.1#

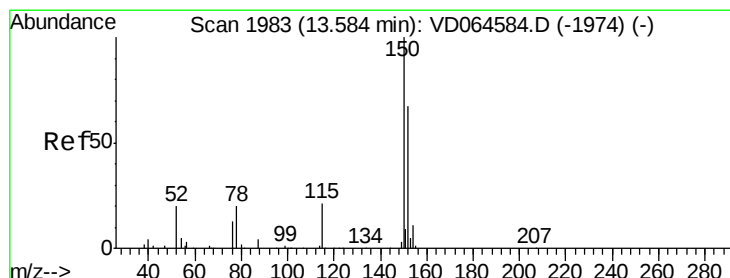
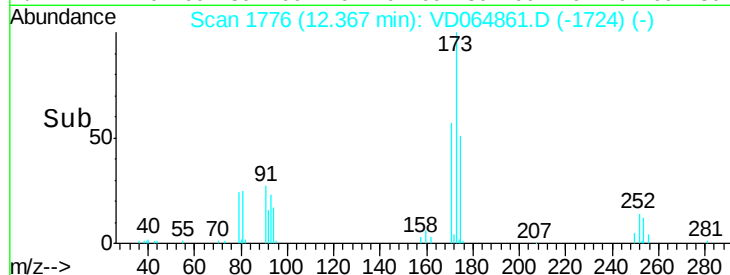
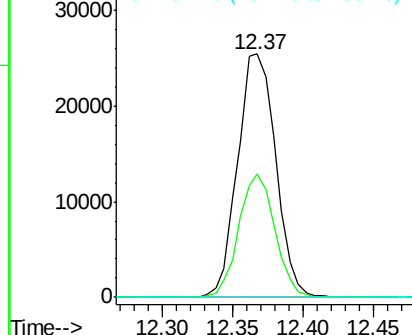
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

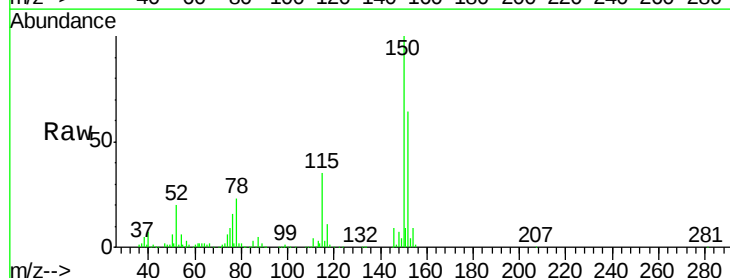
Tgt Ion:152 Resp: 237778

Ion Ratio Lower Upper

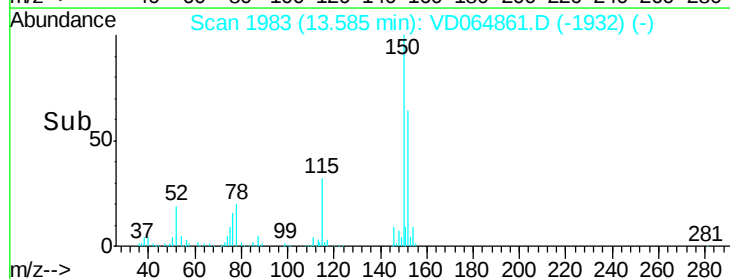
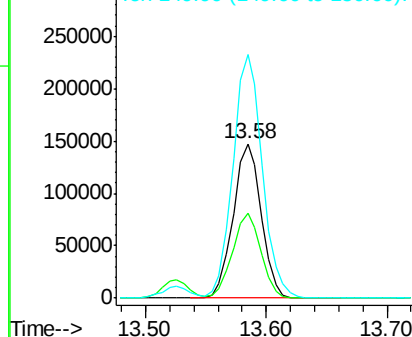
152 100

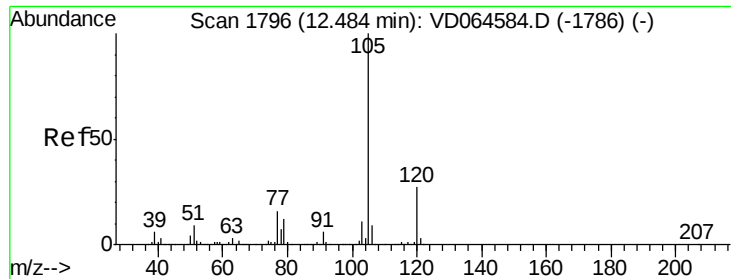
115 55.8 27.8 83.4

150 165.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.503 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:105 Resp: 365383

Ion Ratio Lower Upper

105 100

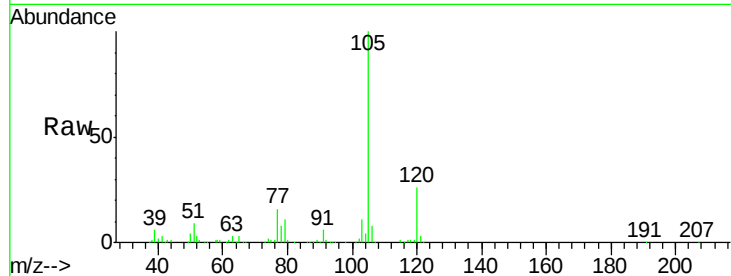
120 25.9 13.5 40.5

Manual Integrations

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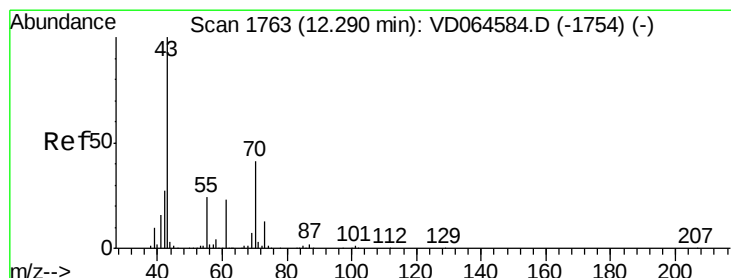
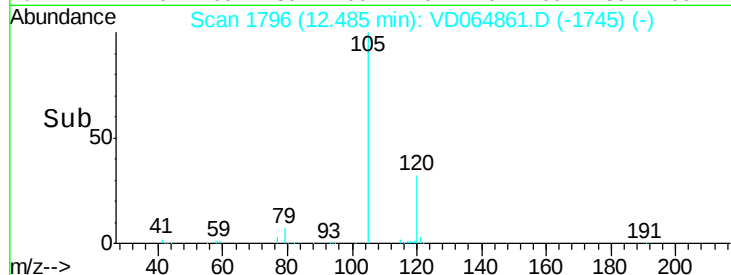
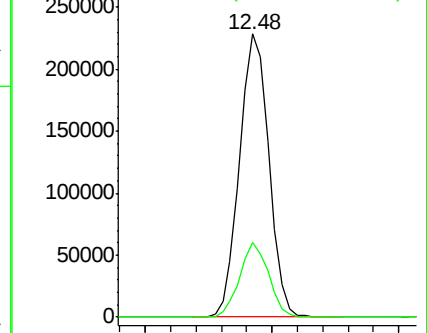
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.955 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion: 43 Resp: 83381

Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.0

55 25.3 19.4 29.0

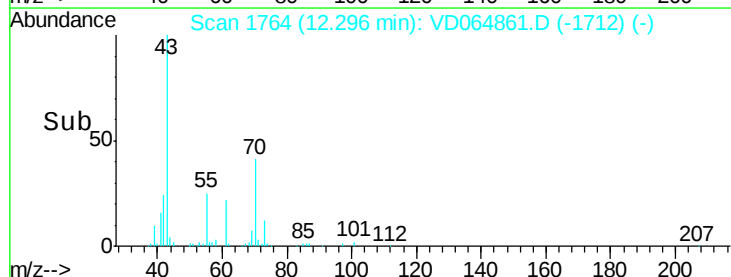
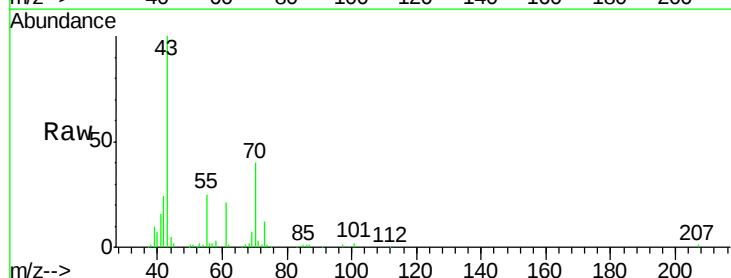
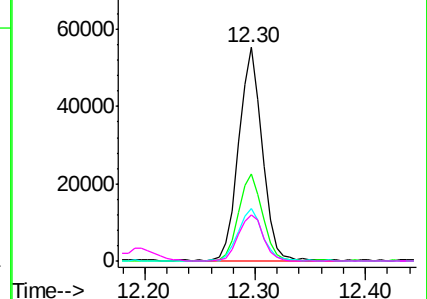
61 22.5 18.3 27.5

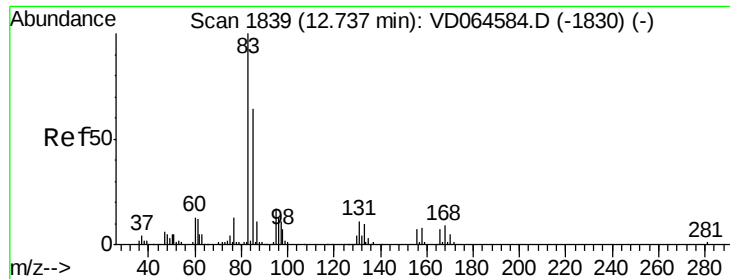
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 23.021 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

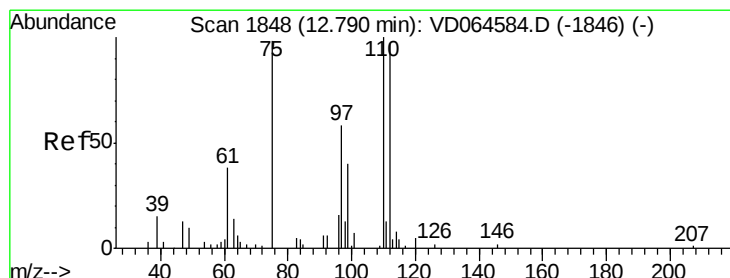
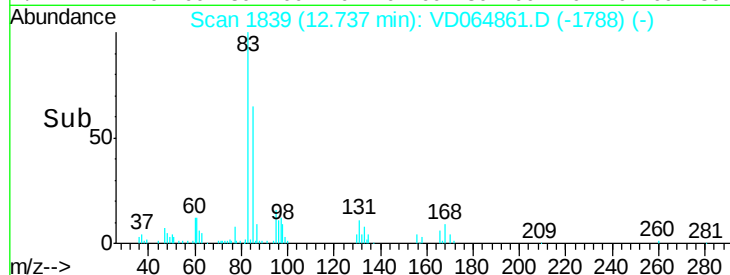
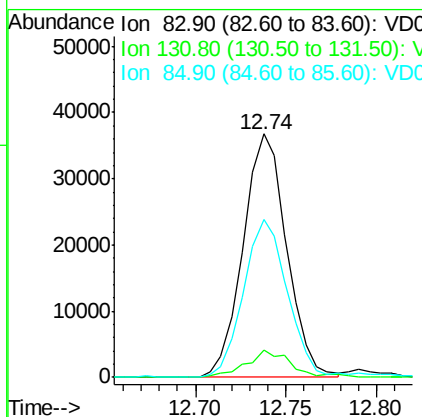
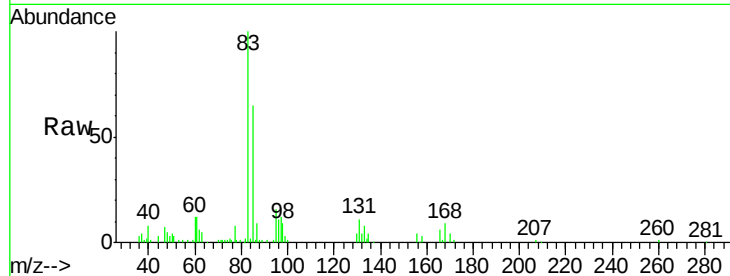
ClientSampleId :

VD0117SBS01

Tot Ion:	83	Resp:	61451
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	65.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 21.969 ug/l m

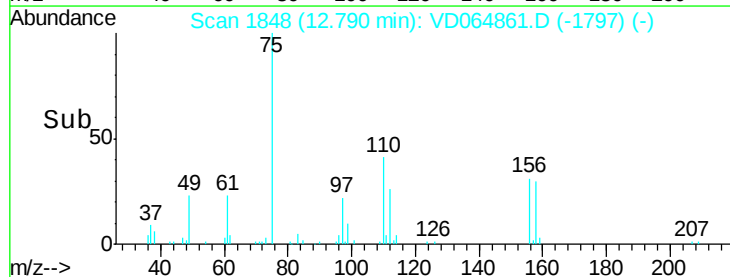
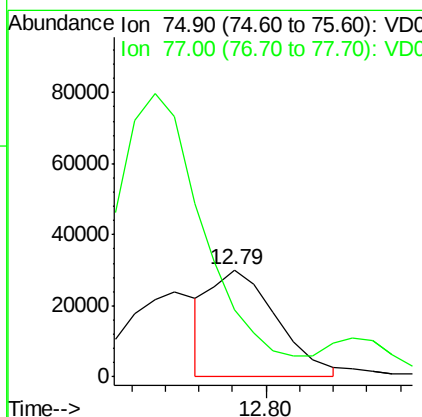
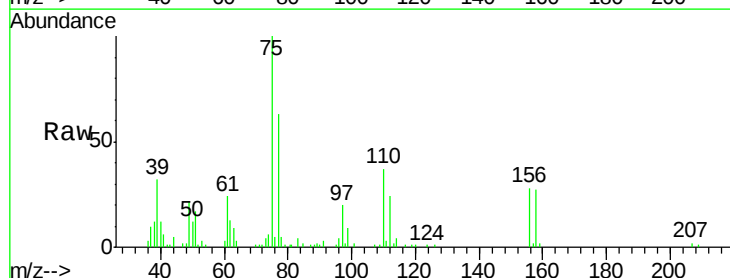
RT: 12.79 min Scan# 1848

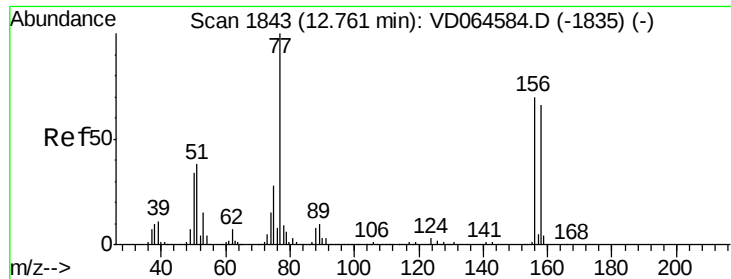
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	75	Resp:	41250
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





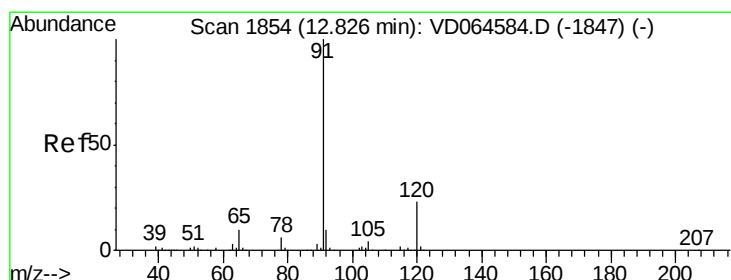
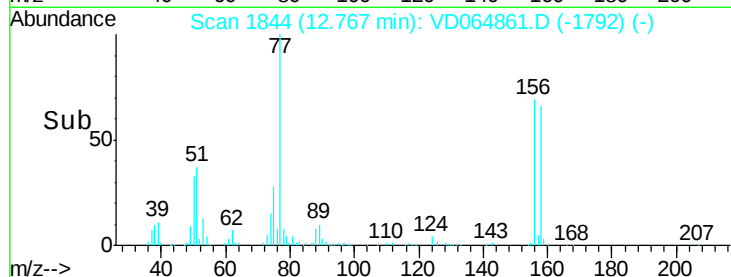
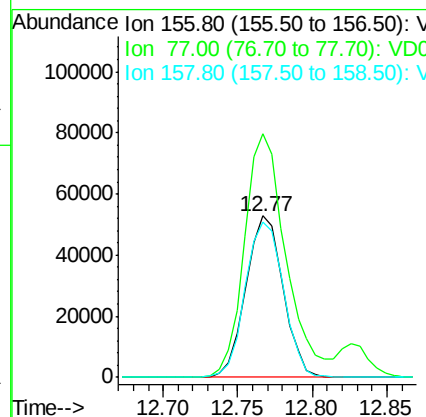
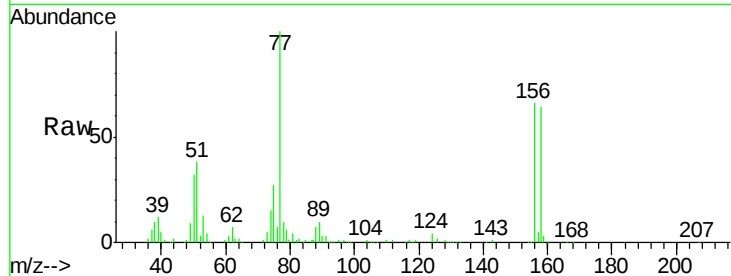
#77
Bromobenzene
Concen: 21.819 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion:156 Resp: 91099
Ion Ratio Lower Upper
156 100
77 167.2 80.9 242.7
158 98.4 48.0 144.2

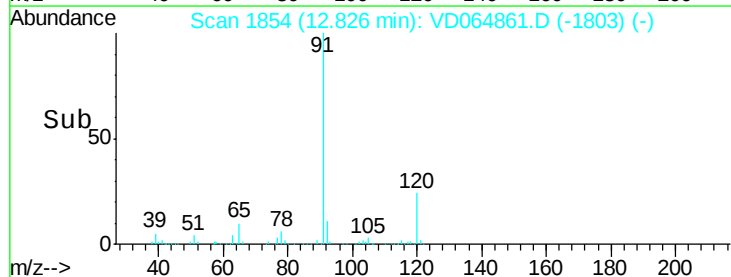
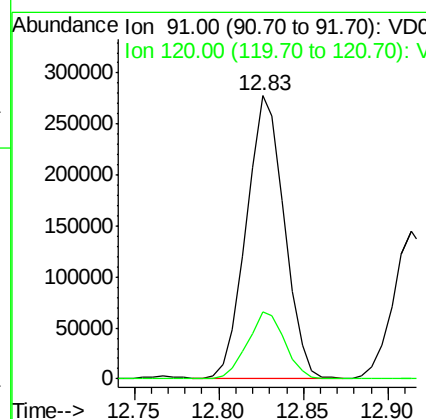
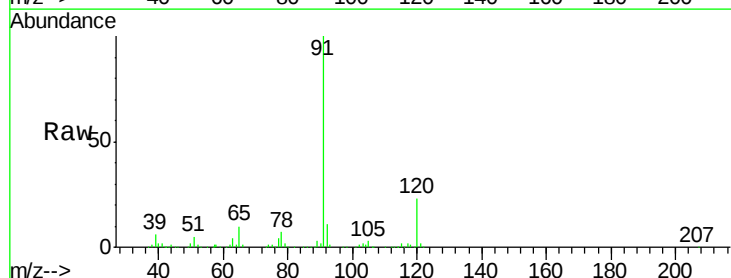
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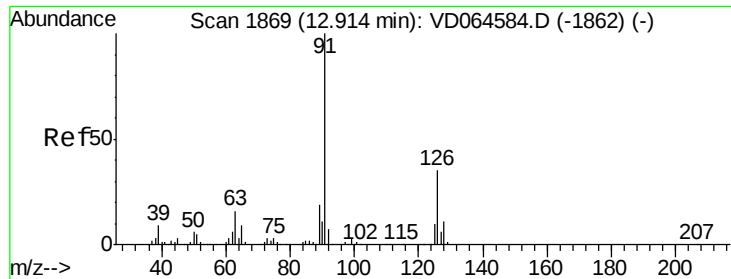
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#78
n-propylbenzene
Concen: 21.868 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 91 Resp: 433508
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.9





#79

2-Chlorotoluene

Concen: 21.794 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 91 Resp: 237329

Ion Ratio Lower Upper

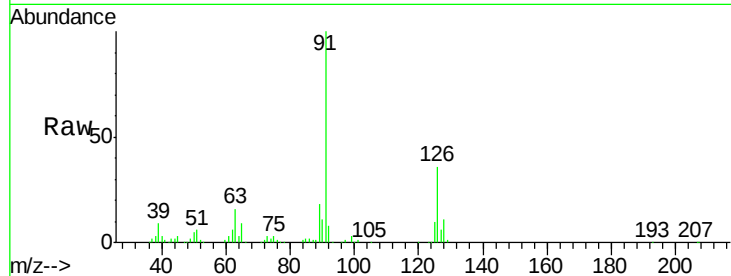
91 100

126 35.6 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

200000

150000

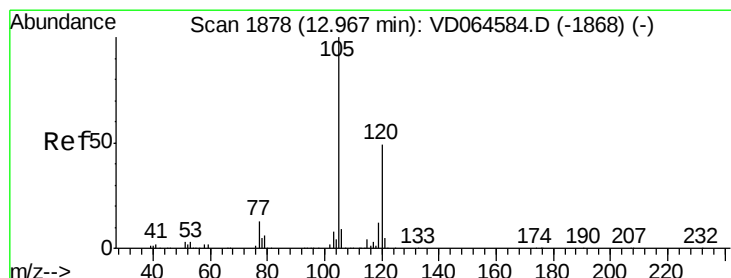
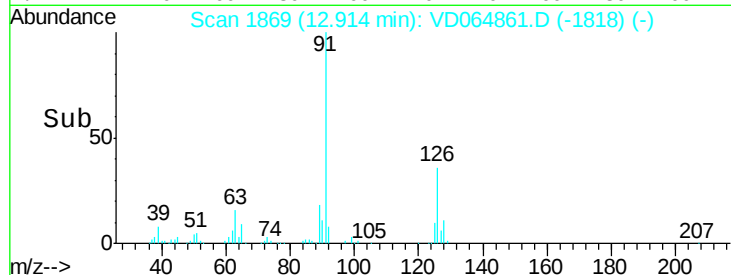
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.872 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064861.D

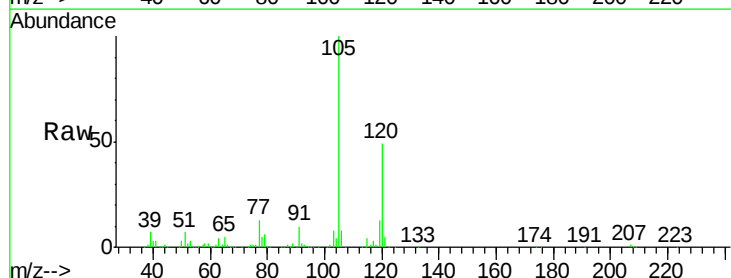
Acq: 17 Jan 2020 14:18

Tgt Ion:105 Resp: 305289

Ion Ratio Lower Upper

105 100

120 50.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

200000

150000

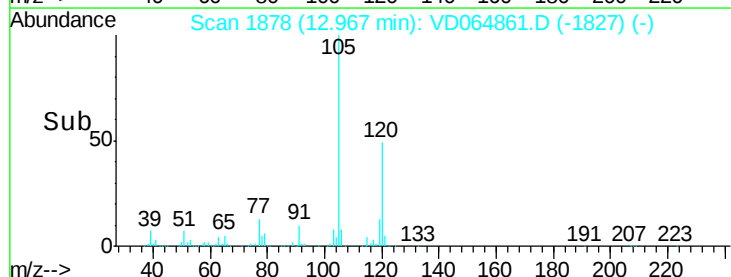
100000

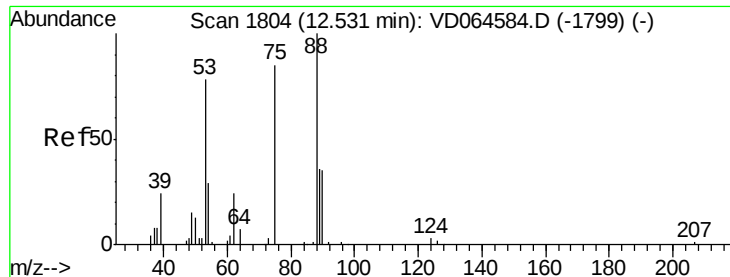
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 23.729 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

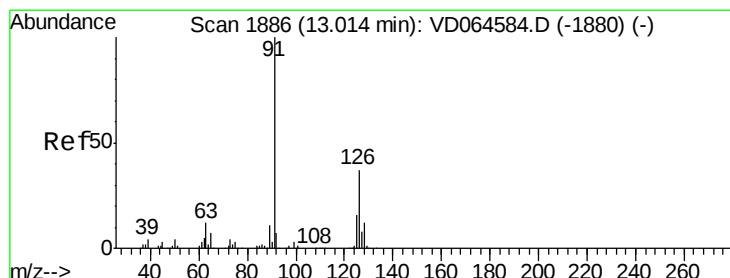
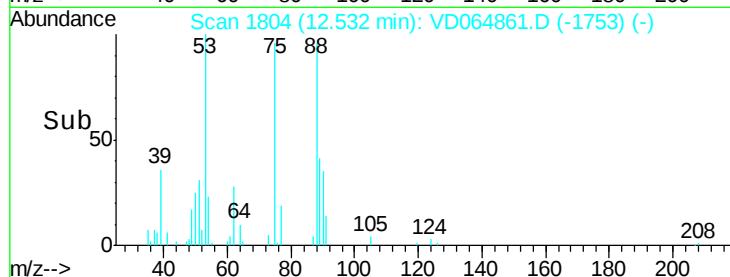
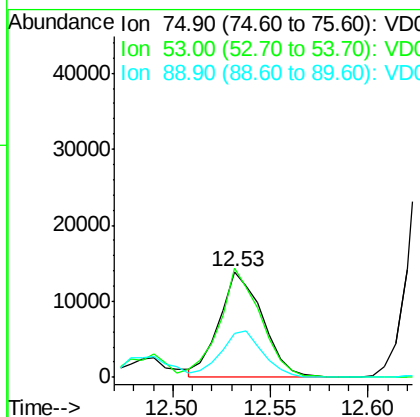
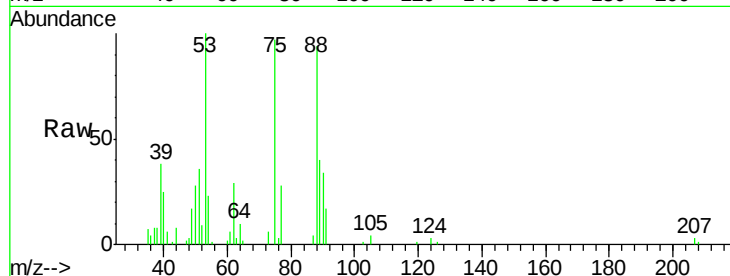
ClientSampleId :

VD0117SBS01

Tot Ion:	75	Resp:	21303
Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.8	118.2
89	43.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 21.750 ug/l

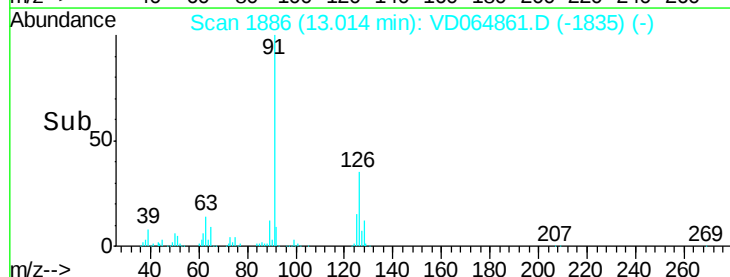
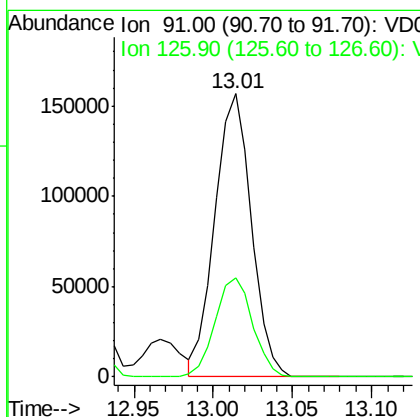
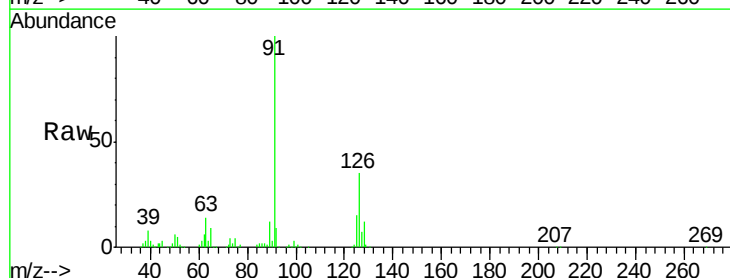
RT: 13.01 min Scan# 1886

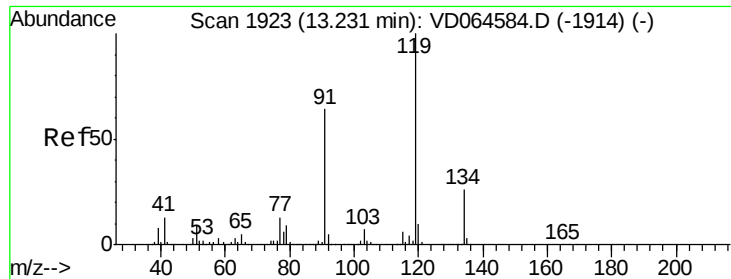
Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion:	91	Resp:	252061
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





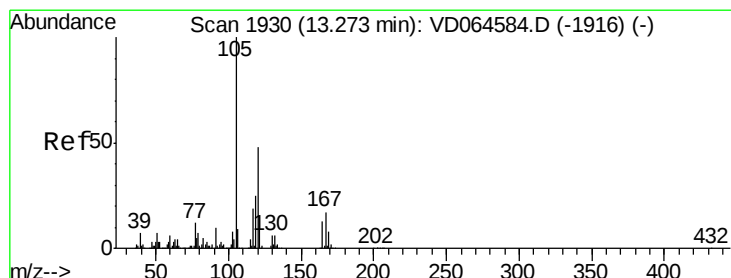
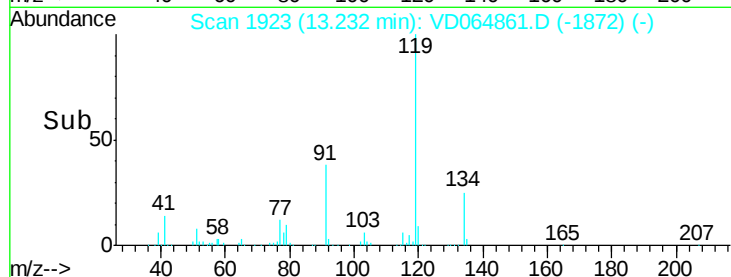
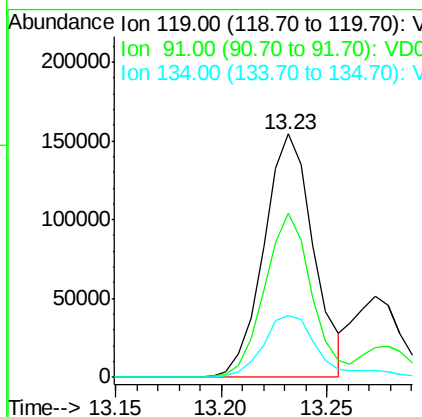
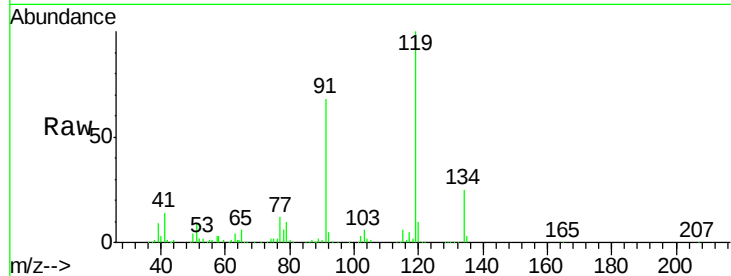
#83
tert-Butylbenzene
Concen: 20.841 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	30.8	92.4
134	28.6	12.8	38.3

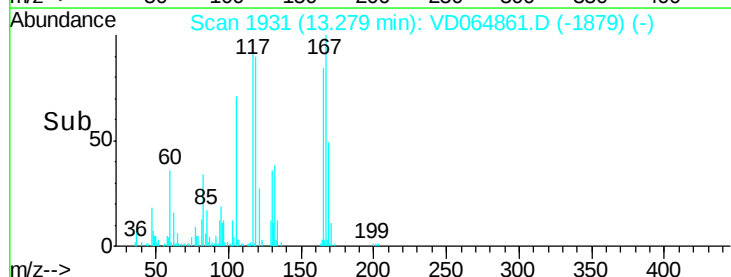
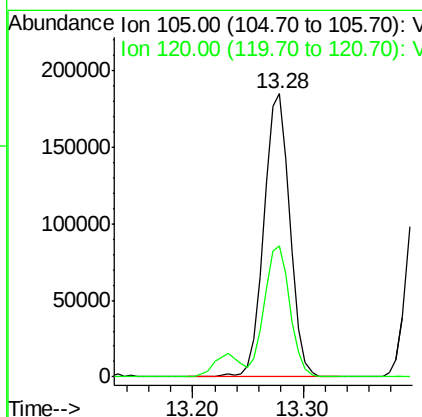
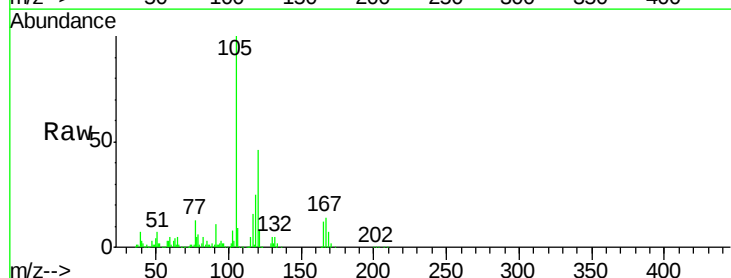
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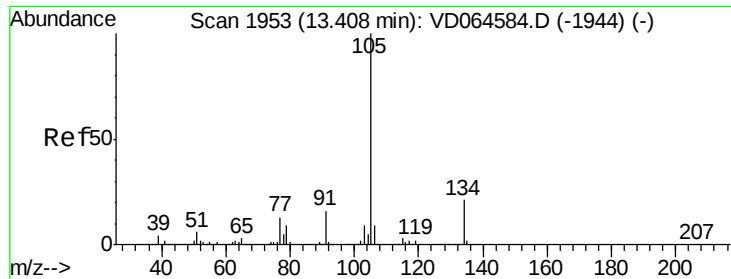
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#84
1,2,4-Trimethylbenzene
Concen: 21.859 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.8	71.2





#85

sec-Butylbenzene

Concen: 21.344 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:105 Resp: 354631

Ion Ratio Lower Upper

105 100

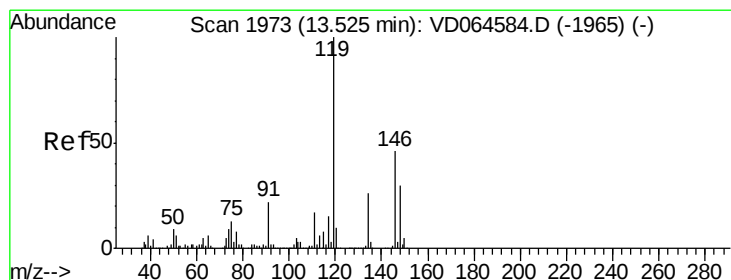
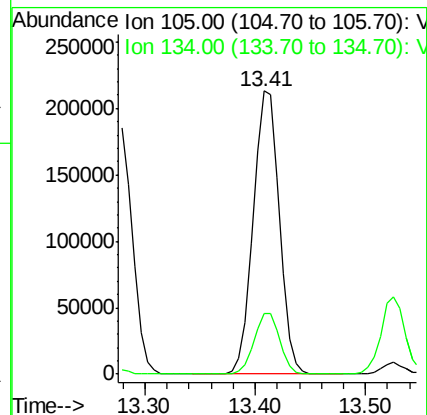
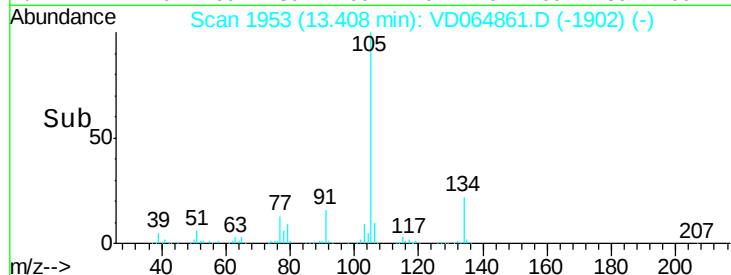
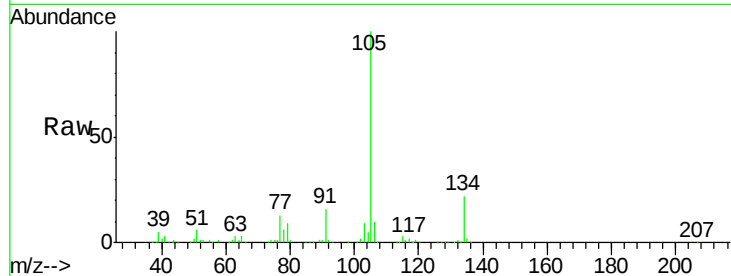
134 21.1 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 20.952 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

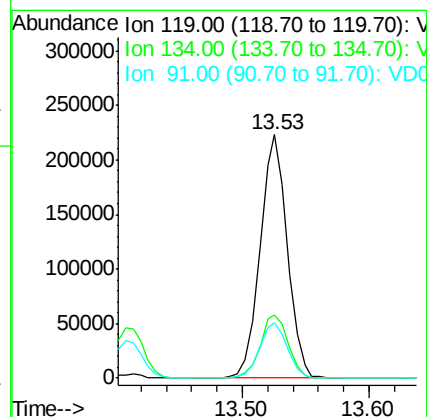
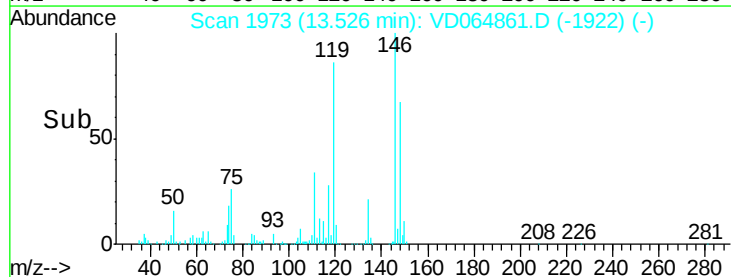
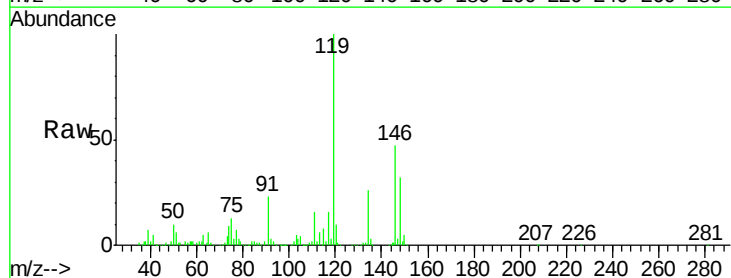
Tgt Ion:119 Resp: 332858

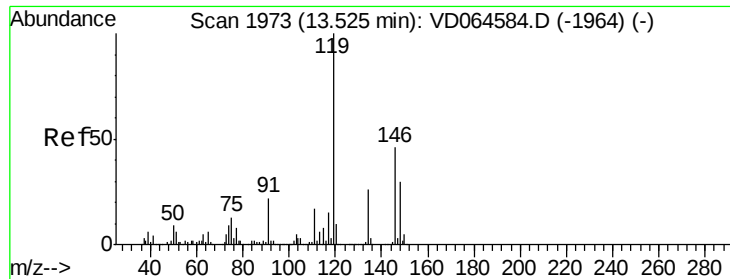
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.4 11.2 33.6





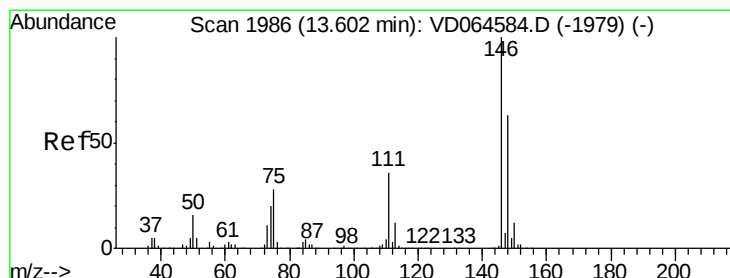
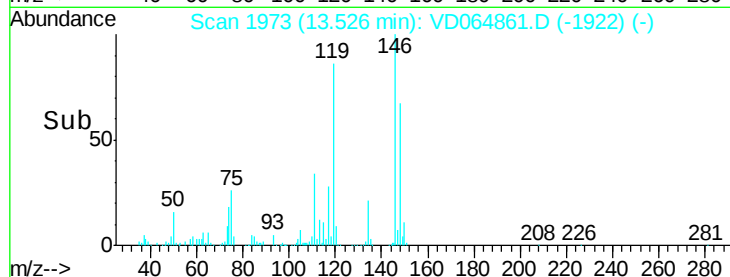
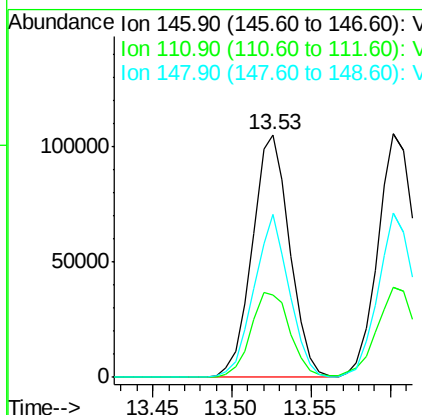
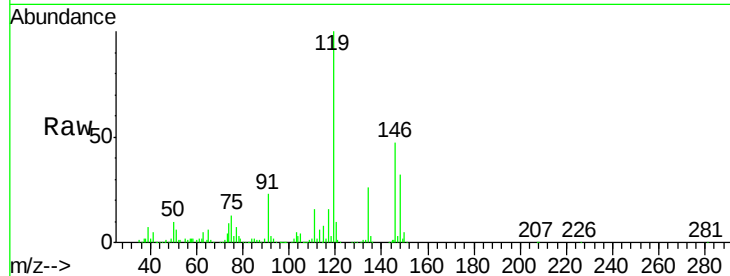
#87
 1,3-Dichlorobenzene
 Concen: 21.640 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.4
148	63.3	32.5	97.5

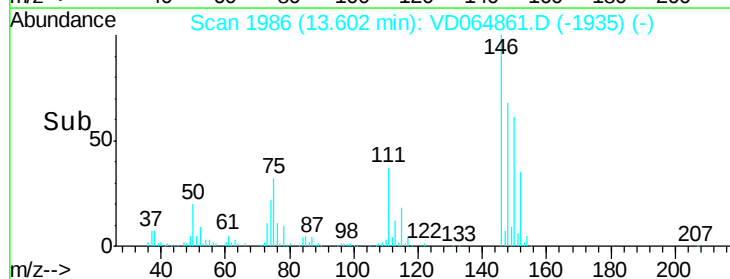
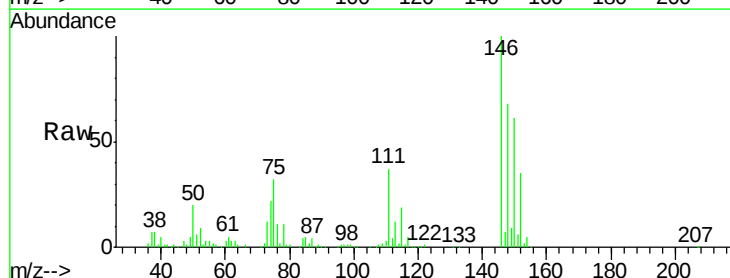
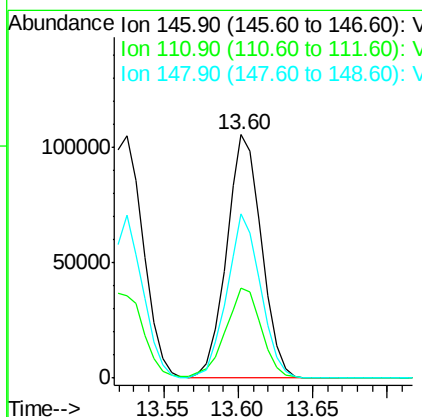
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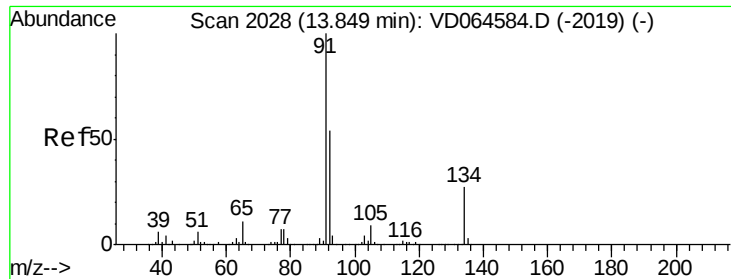
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#88
 1,4-Dichlorobenzene
 Concen: 21.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	65.6	32.3	96.9





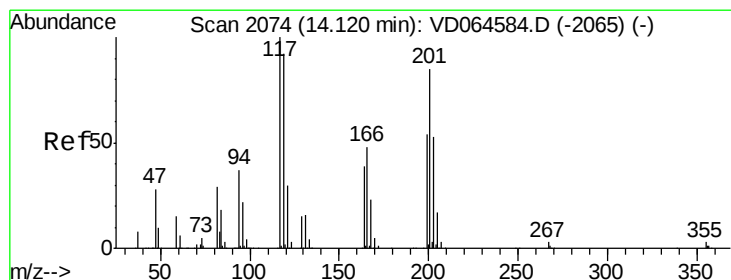
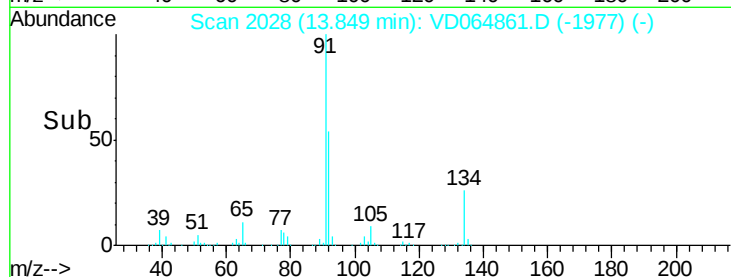
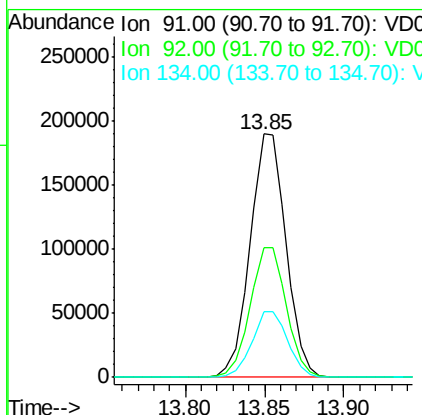
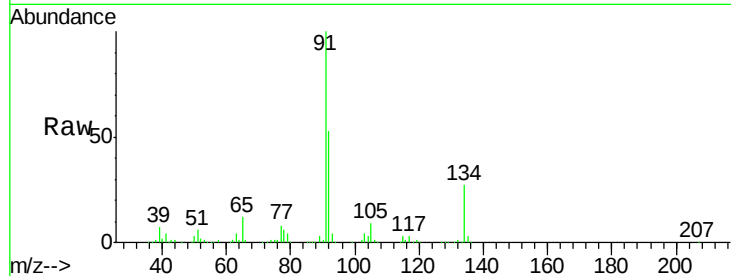
#89
n-Butylbenzene
Concen: 20.913 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	299191		
92	53.9	26.8	80.4	
134	27.3	14.0	41.9	

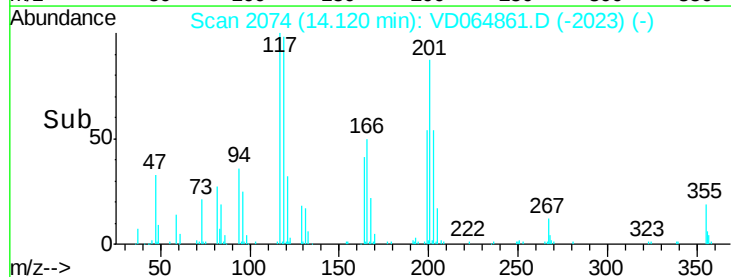
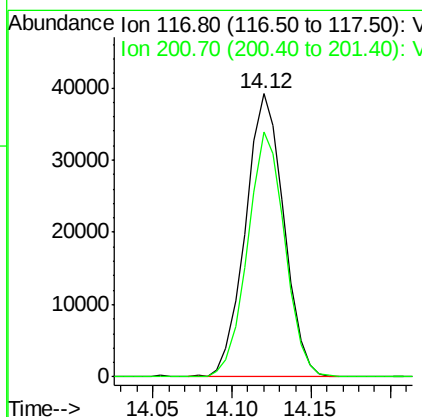
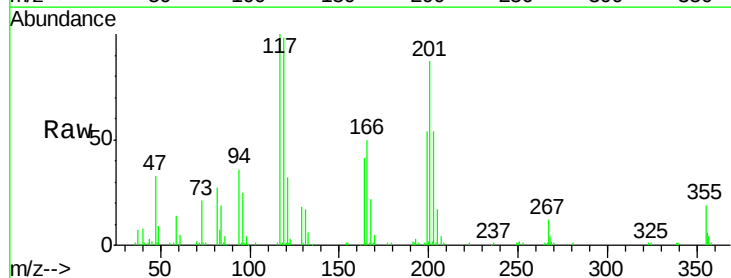
Manual Integrations
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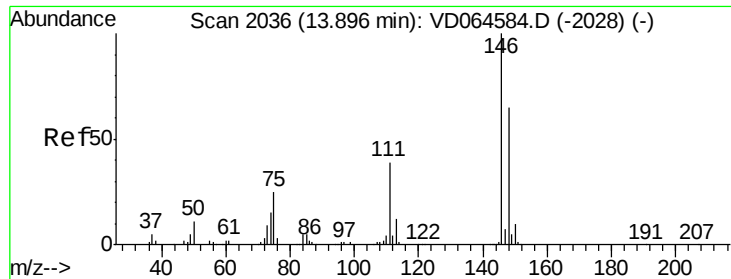
MMDadoda
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#90
Hexachloroethane
Concen: 21.678 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65788		
201	84.0	44.0	131.8	





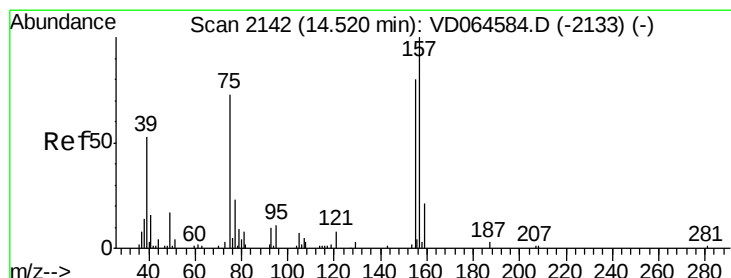
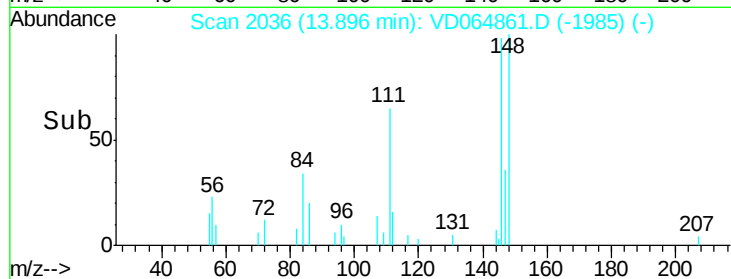
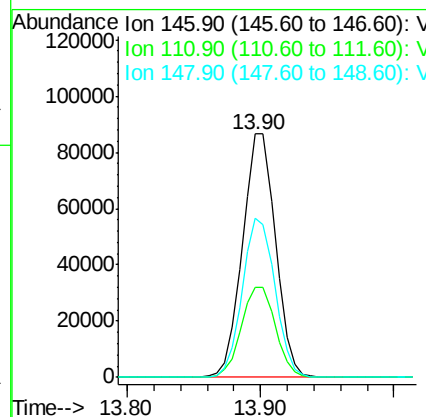
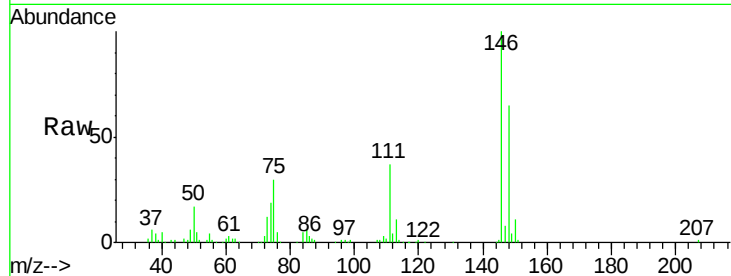
#91
 1,2-Dichlorobenzene
 Concen: 21.823 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148109		
111	38.5	19.3	57.9	
148	64.5	31.9	95.5	

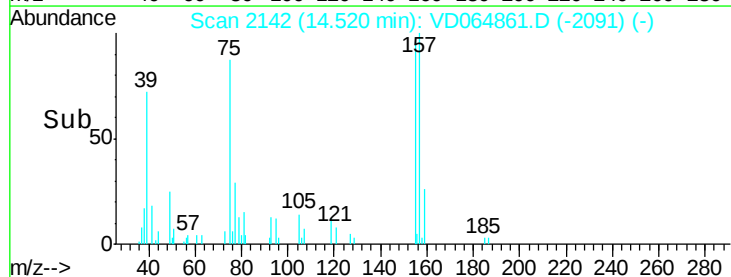
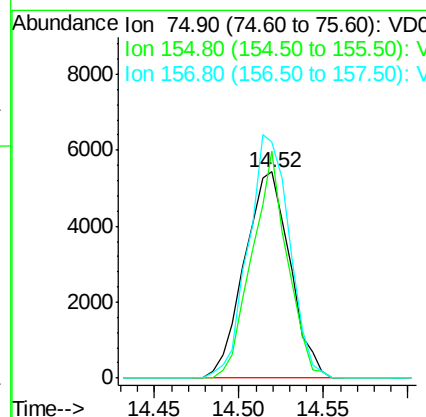
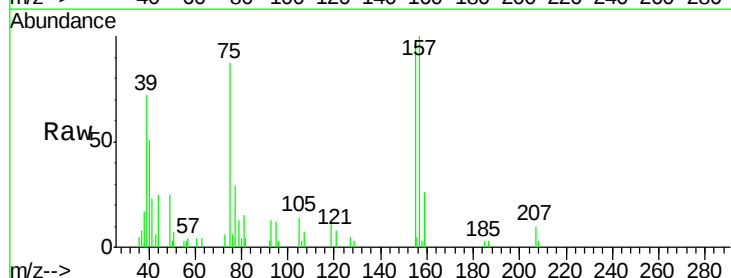
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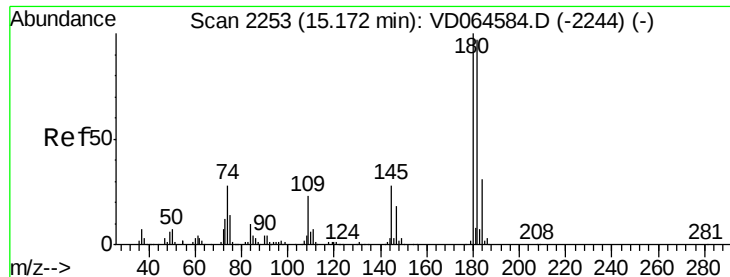
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.495 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10167		
155	85.4	48.0	144.0	
157	107.3	64.1	192.3	





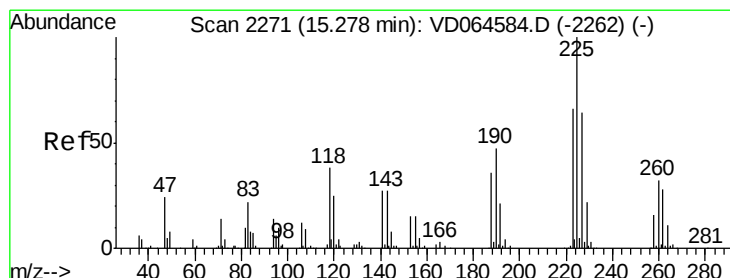
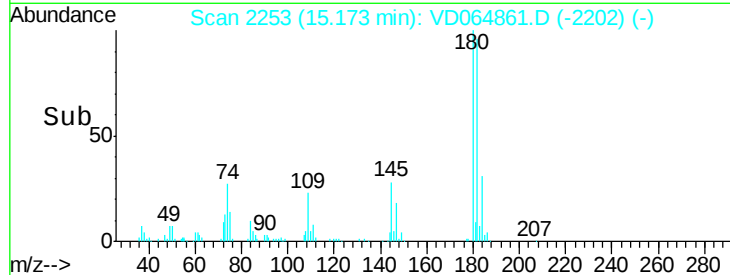
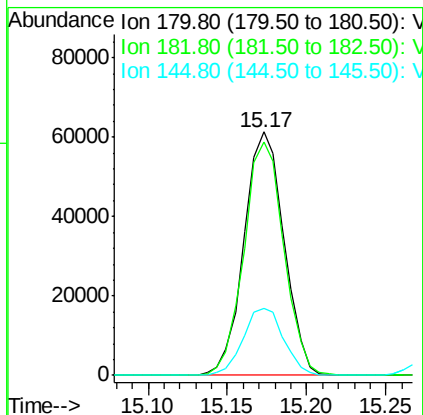
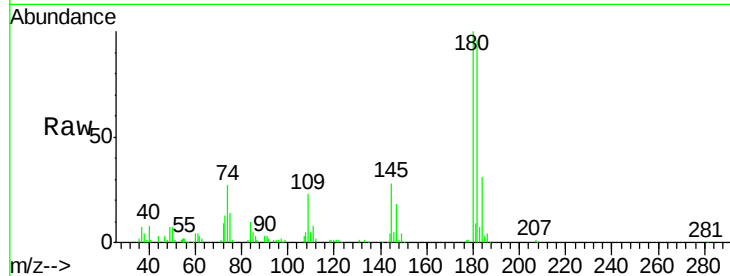
#93
 1,2,4-Trichlorobenzene
 Concen: 21.511 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107500		
182	95.6	48.0	144.2	
145	28.1	13.8	41.4	

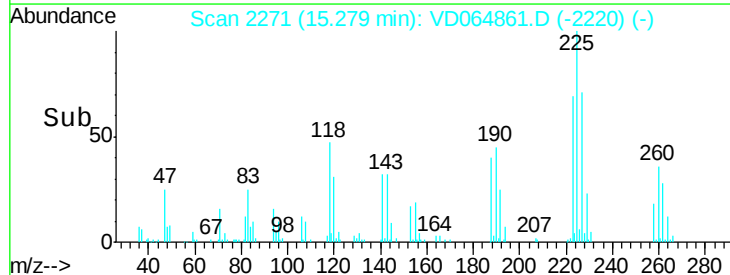
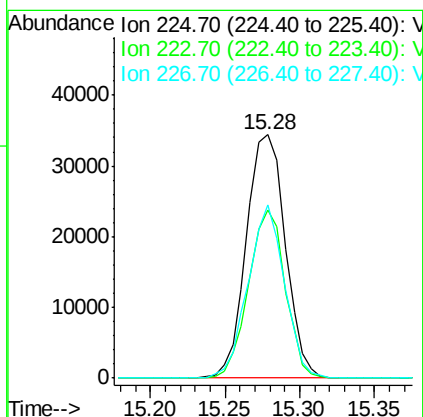
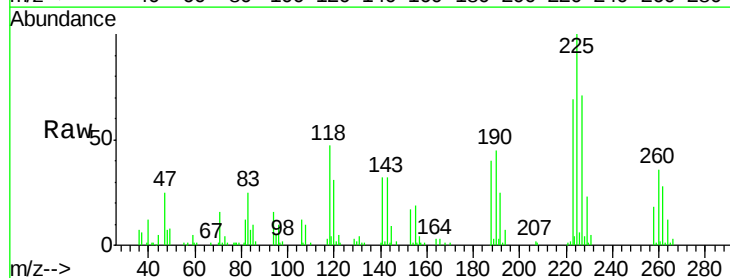
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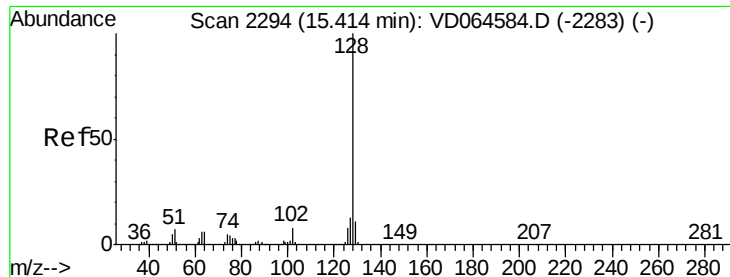
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#94
 Hexachlorobutadiene
 Concen: 19.692 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61925		
223	65.0	31.1	93.2	
227	66.9	30.9	92.7	





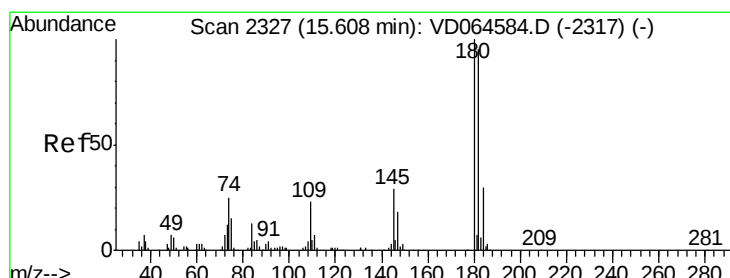
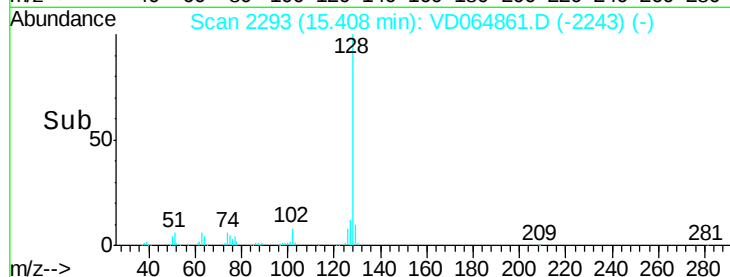
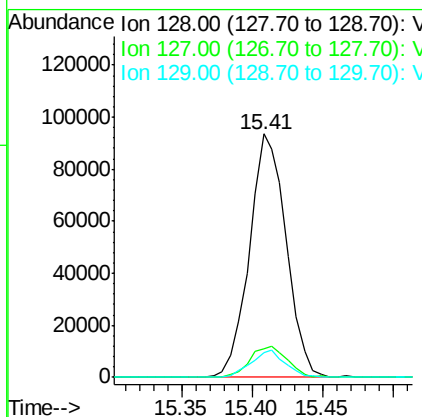
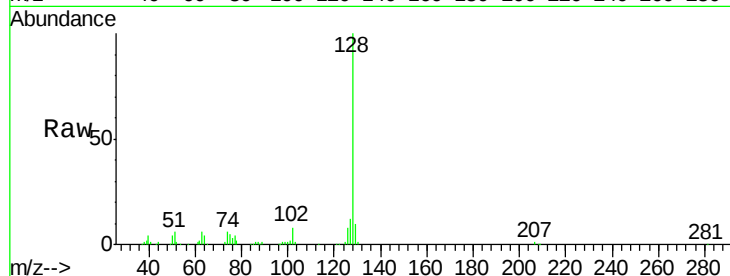
#95
Naphthalene
Concen: 21.586 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	170653		
127	13.1		10.3	15.5
129	10.5		8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.217 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90519		
182	96.5		47.9	143.7
145	30.8		14.9	44.7

