

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064918.D
 Acq On : 22 Jan 2020 15:40
 Operator : VA/SY
 Sample : VD0122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:43 AM

Quant Time: Jan 22 23:48:32 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	7.99	168	371181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	550166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185546	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	7.92	113	185300	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.34	98	697513	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.64	95	223718	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59518	20.633	ug/l	98
3) Chloromethane	2.21	50	91898	22.779	ug/l	97
4) Vinyl Chloride	2.35	62	105631	21.474	ug/l	97
5) Bromomethane	2.76	94	76028	21.257	ug/l	95
6) Chloroethane	2.92	64	72218	21.911	ug/l	99
7) Trichlorofluoromethane	3.27	101	174734	21.097	ug/l	89
8) Diethyl Ether	3.71	74	39079	23.761	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82511	24.055	ug/l	96
10) Methyl Iodide	4.29	142	81004	21.986	ug/l	99
11) Tert butyl alcohol	5.25	59	20849	111.148	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	74853	22.922	ug/l	90
13) Acrolein	3.93	56	19796	75.725	ug/l	93
14) Allyl chloride	4.71	41	125733	24.695	ug/l	99
15) Acrylonitrile	5.44	53	86553	126.342	ug/l	97
16) Acetone	4.17	43	82914	115.138	ug/l	99
17) Carbon Disulfide	4.40	76	225078	21.316	ug/l	100
18) Methyl Acetate	4.73	43	46512	25.241	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	176582	24.345	ug/l	95
20) Methylene Chloride	4.96	84	105192	29.412	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	86599	23.285	ug/l	98
22) Diisopropyl ether	6.37	45	256646	25.272	ug/l	98
23) Vinyl Acetate	6.31	43	702696	121.980	ug/l	100
24) 1,1-Dichloroethane	6.27	63	155230	25.462	ug/l	95
25) 2-Butanone	7.23	43	110002	122.268	ug/l	93
26) 2,2-Dichloropropane	7.21	77	137791	24.309	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97561	24.307	ug/l	99
28) Bromochloromethane	7.55	49	53938	22.759	ug/l	100
29) Tetrahydrofuran	7.57	42	70070	125.240	ug/l	96
30) Chloroform	7.71	83	162432	25.394	ug/l	99
31) Cyclohexane	7.99	56	138086	22.627	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	145437	24.208	ug/l	98
36) 1,1-Dichloropropene	8.11	75	123629	23.347	ug/l	98
37) Ethyl Acetate	7.30	43	48080	23.112	ug/l #	93
38) Carbon Tetrachloride	8.10	117	134892	23.890	ug/l	95

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 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)
39) Methylcyclohexane	9.36	83	142157	22.165	ug/l	95
40) Benzene	8.36	78	341839	23.647	ug/l	100
41) Methacrylonitrile	7.54	41	27268	22.592	ug/l	92
42) 1,2-Dichloroethane	8.43	62	105773	25.321	ug/l	99
43) Isopropyl Acetate	8.46	43	97048	23.438	ug/l	99
44) Trichloroethene	9.11	130	97217	22.893	ug/l	88
45) 1,2-Dichloropropane	9.39	63	84764	24.559	ug/l	97
46) Dibromomethane	9.48	93	45420	23.603	ug/l	99
47) Bromodichloromethane	9.67	83	122782	23.978	ug/l	92
48) Methyl methacrylate	9.46	41	45253	23.211	ug/l	95
49) 1,4-Dioxane	9.47	88	9886	445.542	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	246801	120.590	ug/l	100
52) Toluene	10.41	92	225409	23.767	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114335	23.950	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	137234	24.379	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	62452	24.082	ug/l	94
56) Ethyl methacrylate	10.67	69	72347	22.338	ug/l	92
57) 1,3-Dichloropropane	10.96	76	107311	24.033	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	149183	120.900	ug/l	98
59) 2-Hexanone	10.99	43	168281	121.145	ug/l	97
60) Dibromochloromethane	11.14	129	87125	24.294	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61213	23.931	ug/l	98
64) Tetrachloroethene	10.88	164	83967	22.577	ug/l	96
65) Chlorobenzene	11.67	112	236240	23.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	89681	23.644	ug/l	98
67) Ethyl Benzene	11.75	91	417747	22.875	ug/l	96
68) m/p-Xylenes	11.86	106	318854	45.235	ug/l	95
69) o-Xylene	12.18	106	149023	23.406	ug/l	96
70) Styrene	12.20	104	255372	22.851	ug/l	99
71) Bromoform	12.37	173	50570	23.379	ug/l #	98
73) Isopropylbenzene	12.48	105	397290	22.932	ug/l	99
74) N-amyl acetate	12.30	43	85096	22.978	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66692	24.505	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	45625m	23.833	ug/l	
77) Bromobenzene	12.77	156	99212	23.306	ug/l	97
78) n-propylbenzene	12.83	91	478298	23.665	ug/l	97
79) 2-Chlorotoluene	12.91	91	266319	23.986	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	332473	23.362	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21249	23.214	ug/l	97
82) 4-Chlorotoluene	13.01	91	276991	23.443	ug/l	100
83) tert-Butylbenzene	13.23	119	277804	22.482	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	328279	23.161	ug/l	99
85) sec-Butylbenzene	13.41	105	394779	23.304	ug/l	97
86) p-Isopropyltoluene	13.53	119	365832	22.585	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	184478	22.732	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187433	23.511	ug/l	99
89) n-Butylbenzene	13.86	91	333937	22.893	ug/l	99
90) Hexachloroethane	14.13	117	70445	22.767	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	159562	23.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10444	23.672	ug/l	94

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ClientSampleId :
VD0122SBSD01

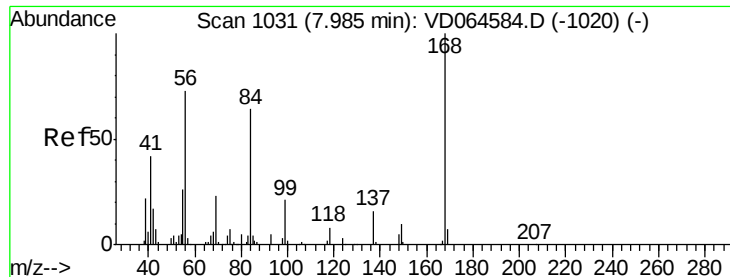
Manual Integrations
APPROVED

MMDadoda
1/23/2020 11:13:43 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114756	22.522	ug/l	98
94) Hexachlorobutadiene	15.28	225	70436	21.968	ug/l	98
95) Naphthalene	15.41	128	170999	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	97204	22.347	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:168 Resp: 371181

Ion Ratio Lower Upper

168 100

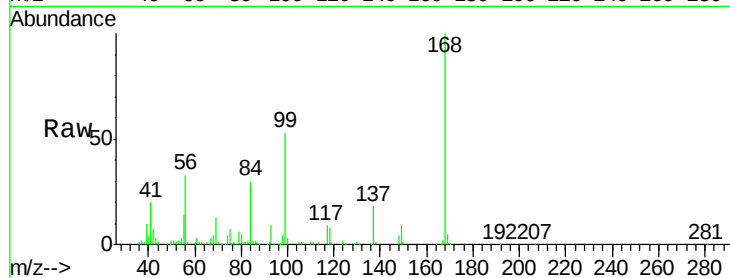
99 52.7 41.8 62.6

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

7.99

150000

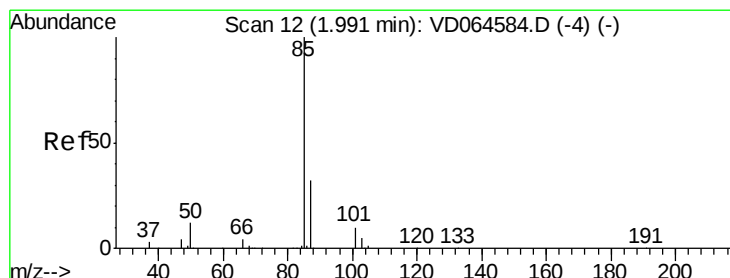
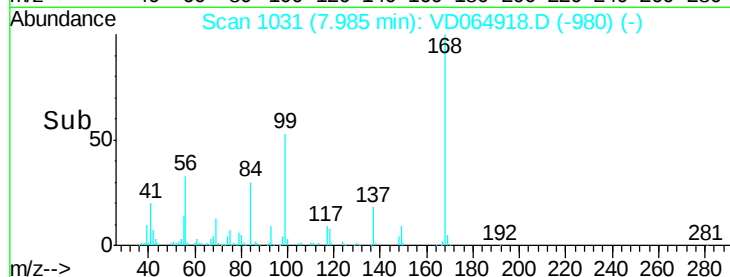
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.633 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064918.D

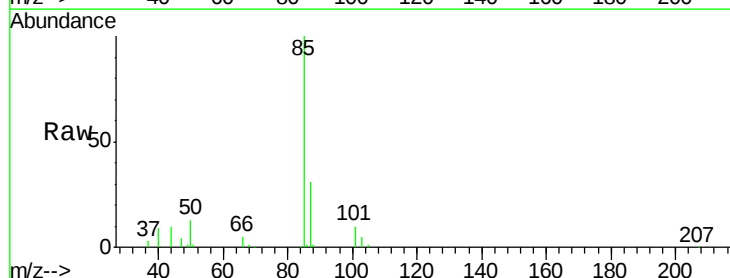
Acq: 22 Jan 2020 15:40

Tgt Ion: 85 Resp: 59518

Ion Ratio Lower Upper

85 100

87 31.1 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

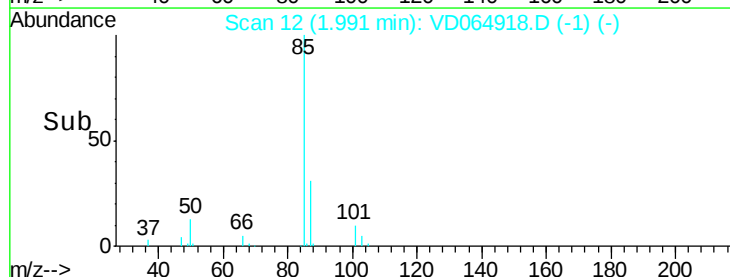
20000

10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.779 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 50 Resp: 91898

Ion Ratio Lower Upper

50 100

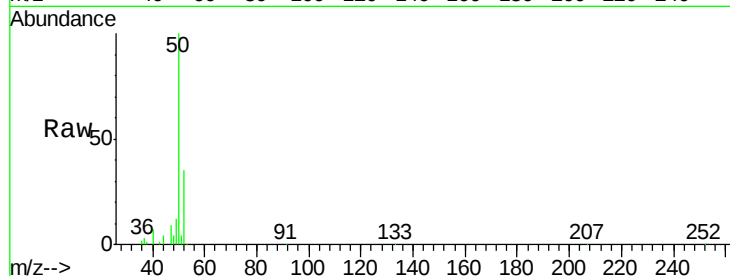
52 34.9 26.5 39.7

Manual Integrations

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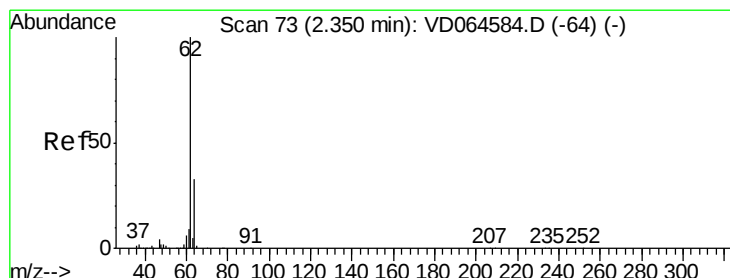
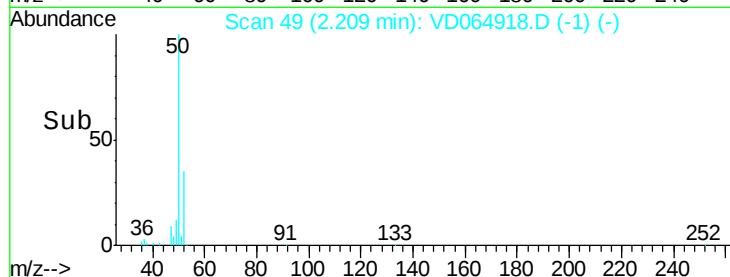
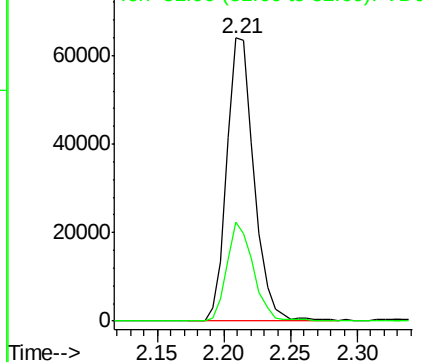
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.474 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064918.D

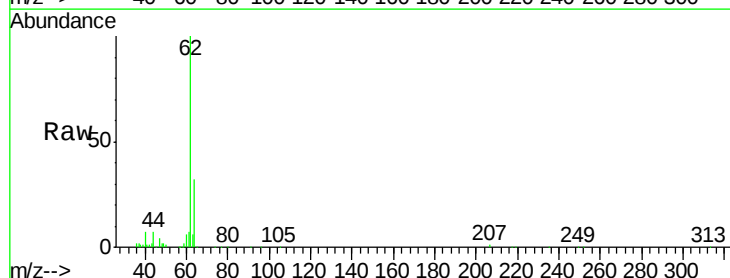
Acq: 22 Jan 2020 15:40

Tgt Ion: 62 Resp: 105631

Ion Ratio Lower Upper

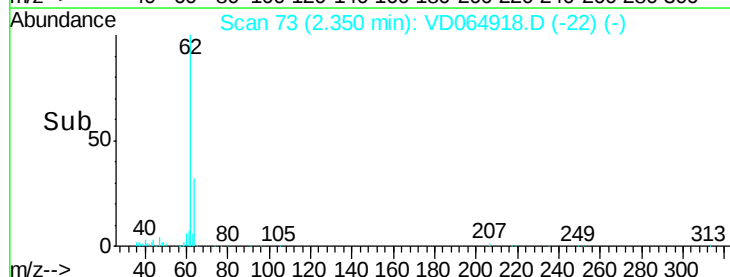
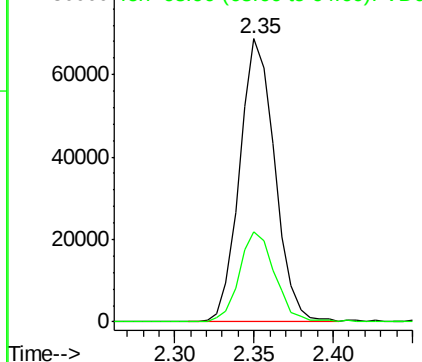
62 100

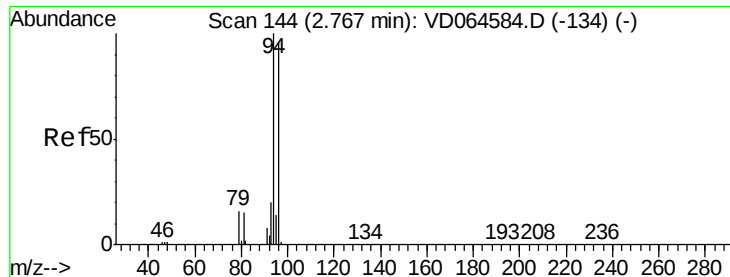
64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.257 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 94 Resp: 76028

Ion Ratio Lower Upper

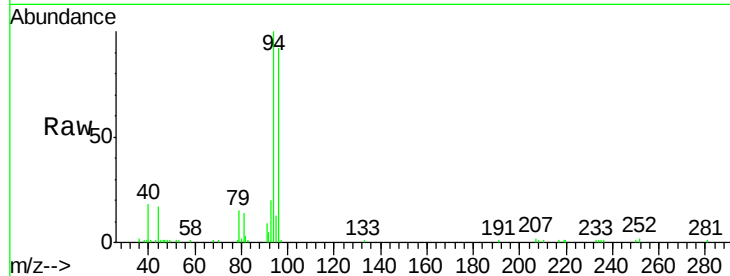
94 100

96 91.2 77.2 115.8

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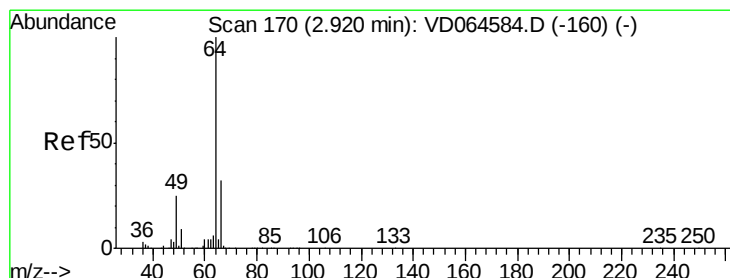
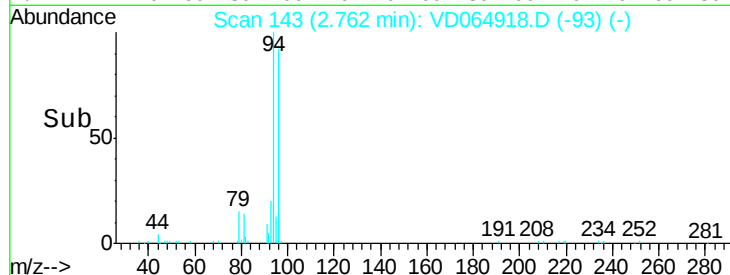
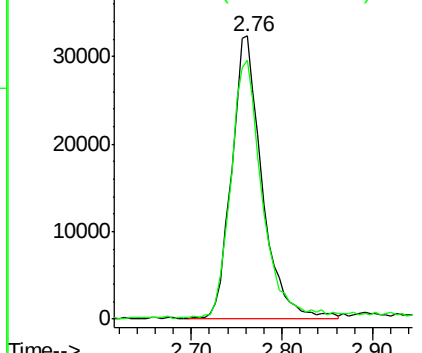
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.911 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064918.D

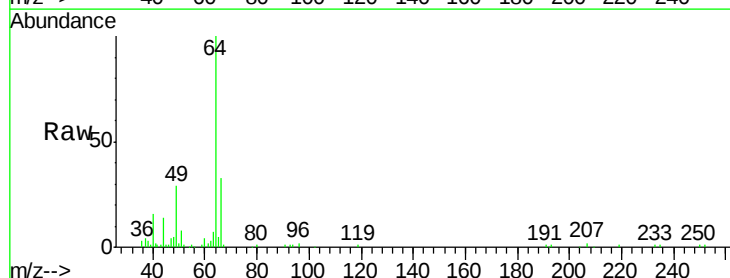
Acq: 22 Jan 2020 15:40

Tgt Ion: 64 Resp: 72218

Ion Ratio Lower Upper

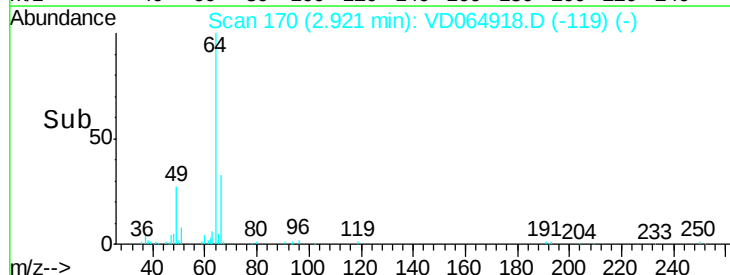
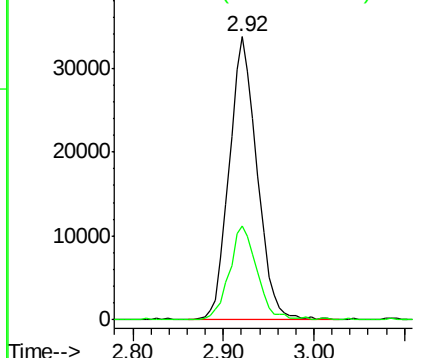
64 100

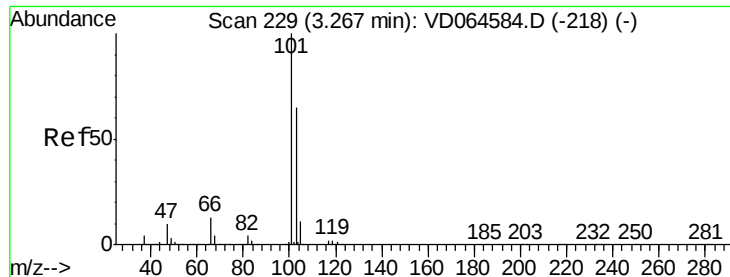
66 33.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

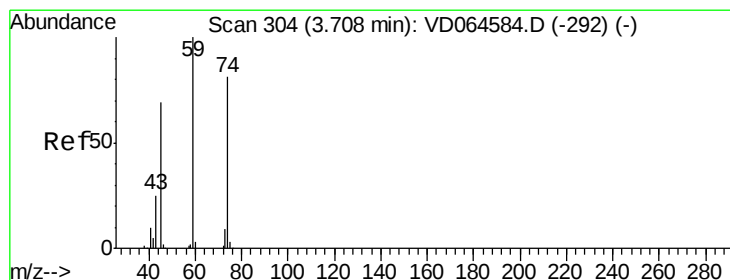
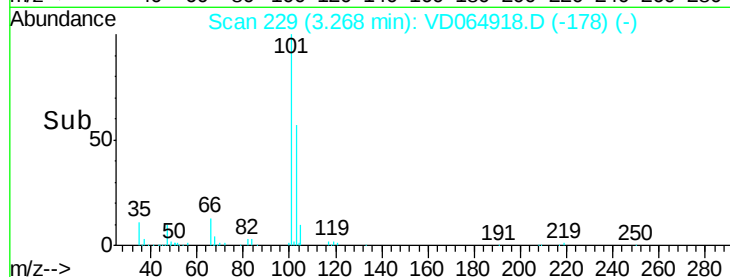
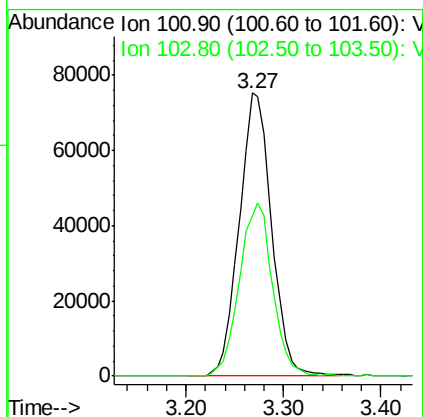
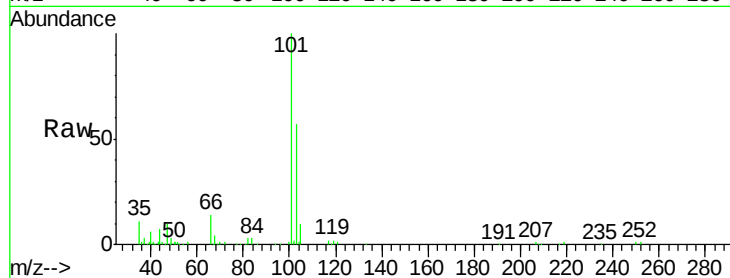
Trichlorofluoromethane
Concen: 21.097 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

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ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.5	52.2	78.4

Manual Integrations
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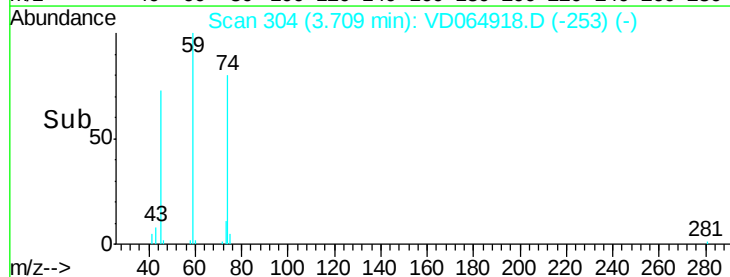
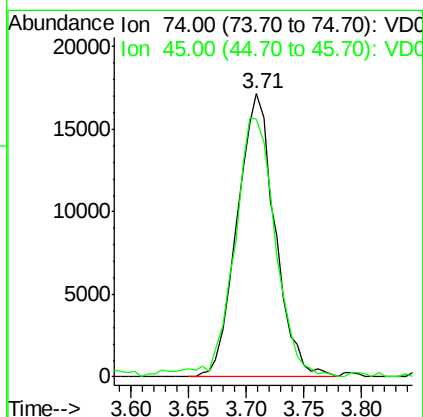
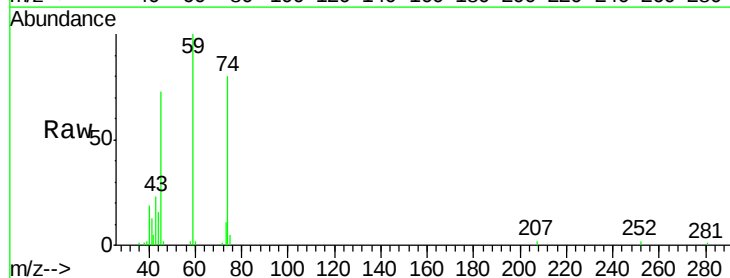
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1/23/2020 11:13:43 AM

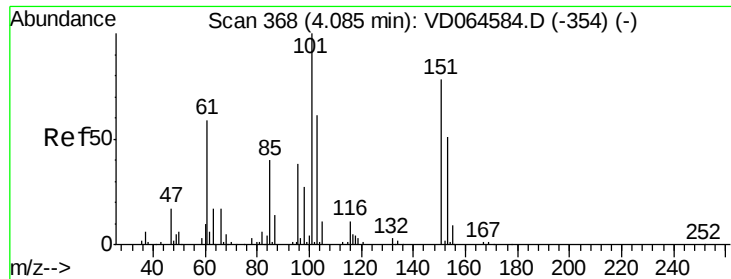


#8

Diethyl Ether
Concen: 23.761 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.055 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

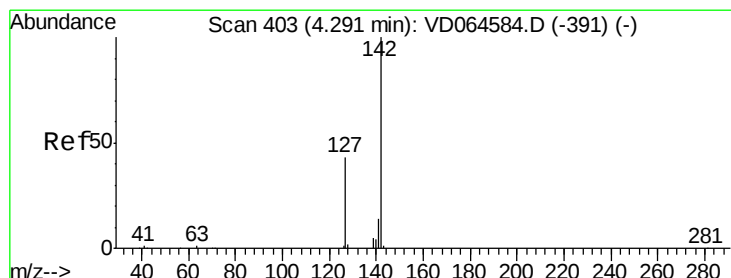
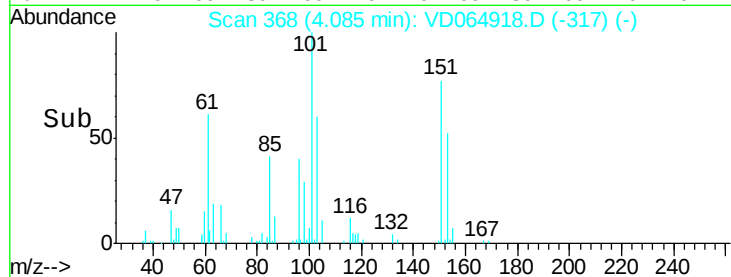
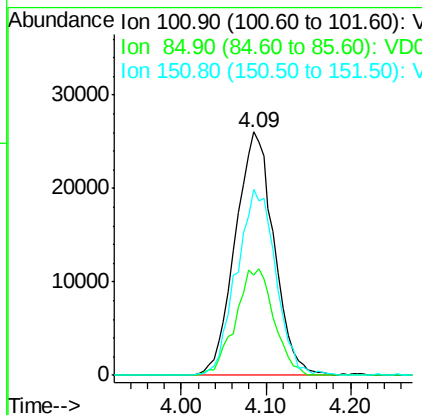
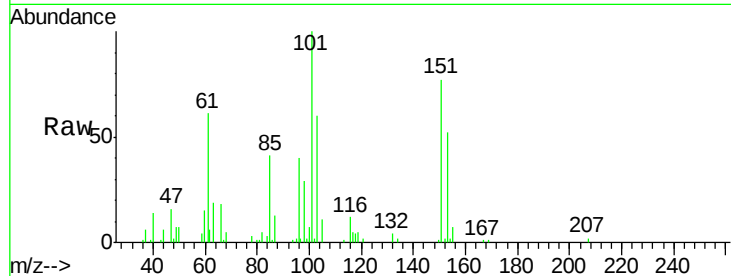
ClientSampleId :

VD0122SBS01

Tot Ion:	101	Resp:	82511
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	77.9	66.2	99.4

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#10

Methyl Iodide

Concen: 21.986 ug/l

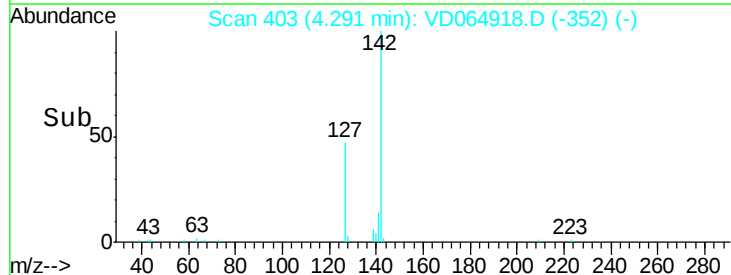
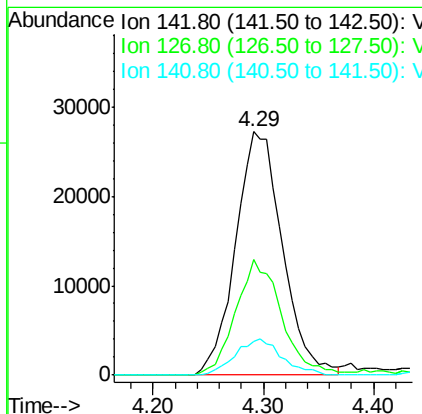
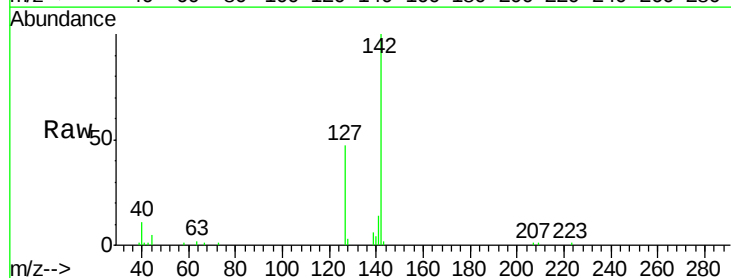
RT: 4.29 min Scan# 403

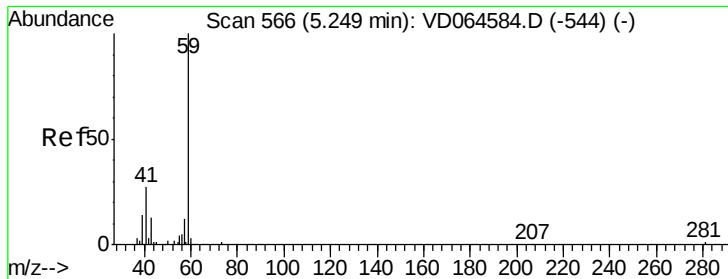
Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	142	Resp:	81004
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.2	54.4
141	14.7	11.8	17.8





#11

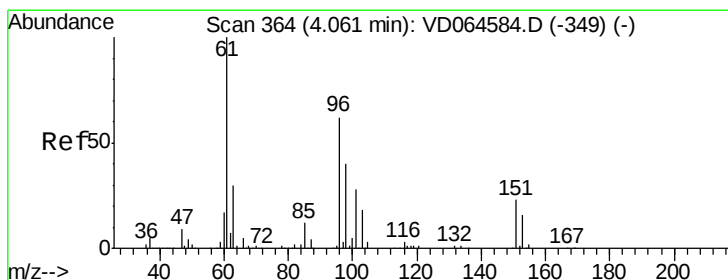
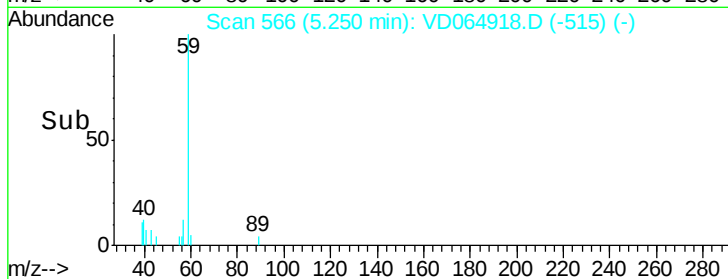
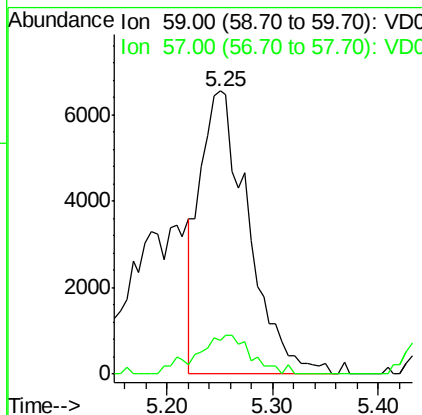
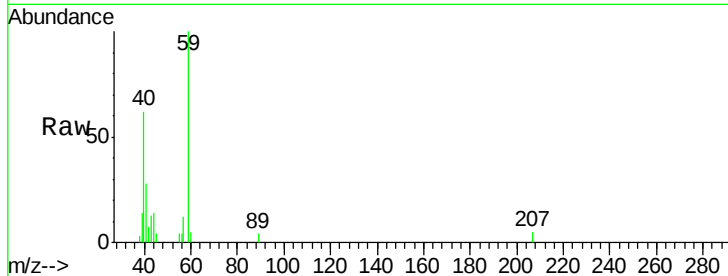
Tert butyl alcohol
Concen: 111.148 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.7	9.3	13.9#

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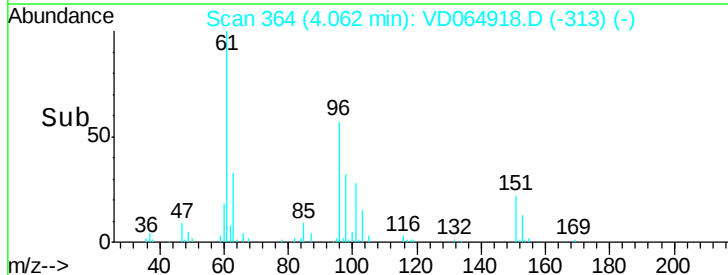
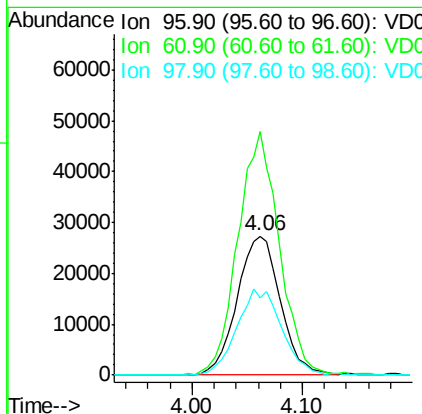
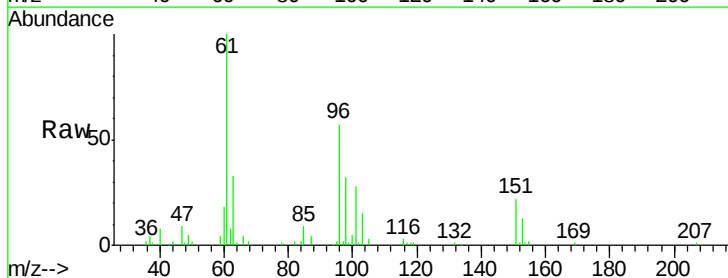
MMDadoda
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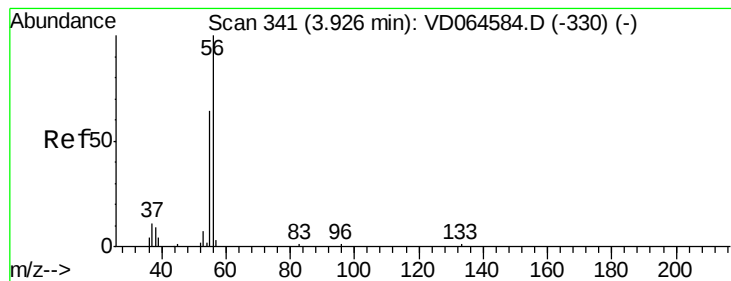


#12

1,1-Dichloroethene
Concen: 22.922 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	129.4	194.0
98	55.4	51.4	77.0





#13

Acrolein

Concen: 75.725 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBSD01

Tot Ion: 56 Resp: 19796

Ion Ratio Lower Upper

56 100

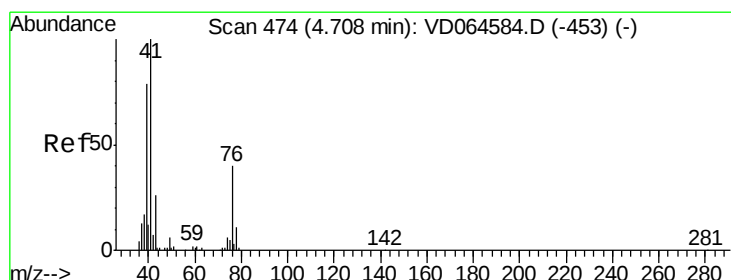
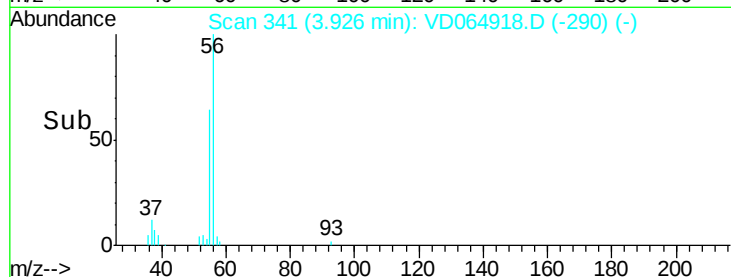
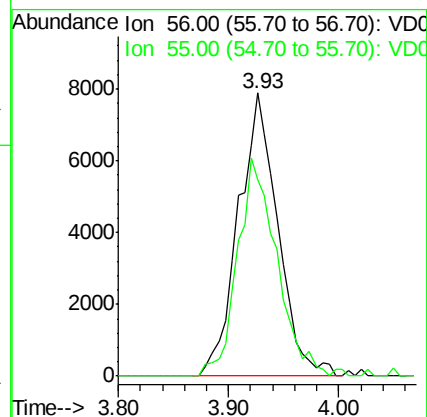
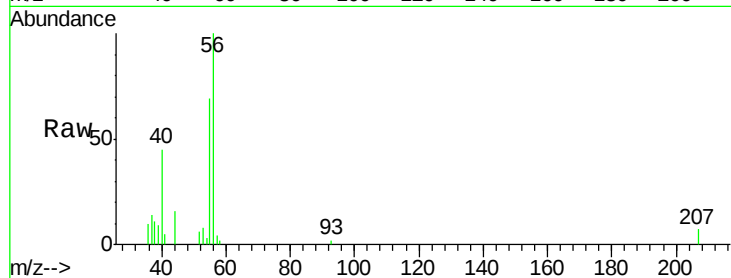
55 76.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 24.695 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

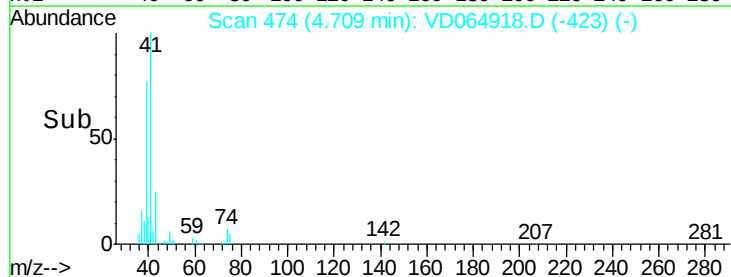
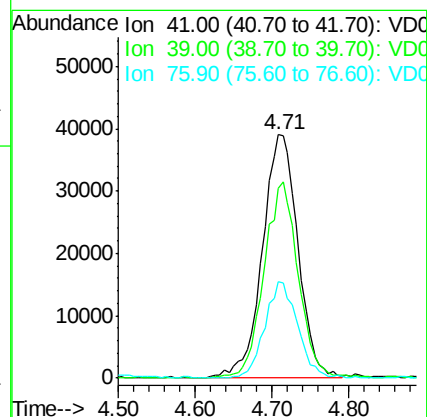
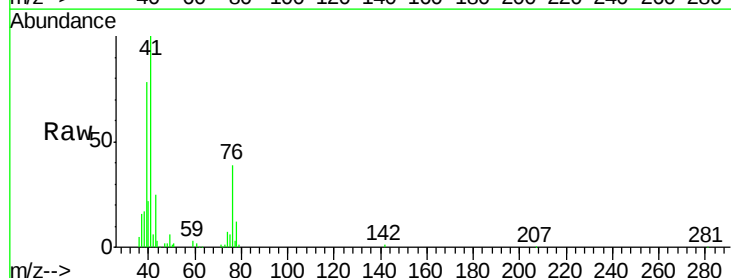
Tgt Ion: 41 Resp: 125733

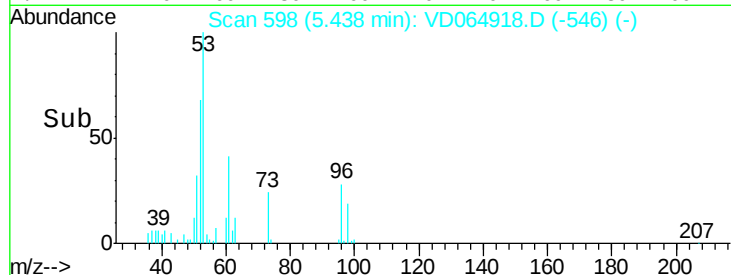
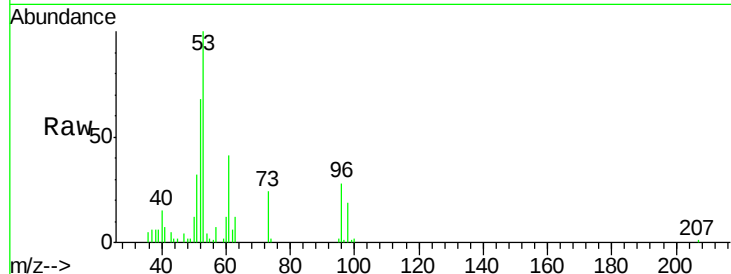
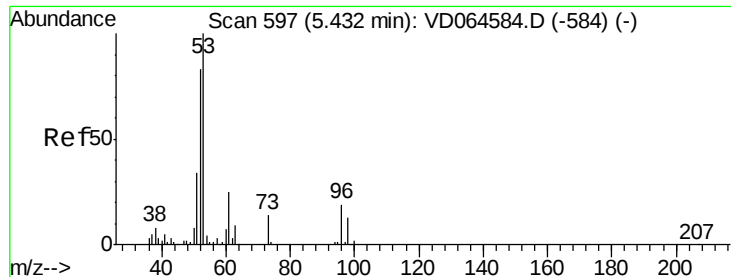
Ion Ratio Lower Upper

41 100

39 77.3 62.3 93.5

76 36.2 29.7 44.5





#15

Acrylonitrile

Concen: 126.342 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tot Ion:	53	Resp:	86553
Ion Ratio	Lower	Upper	
53	100		
52	79.9	66.2	99.2
51	39.3	30.1	45.1

Instrument :

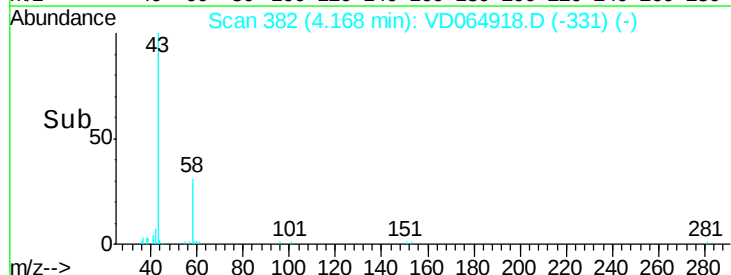
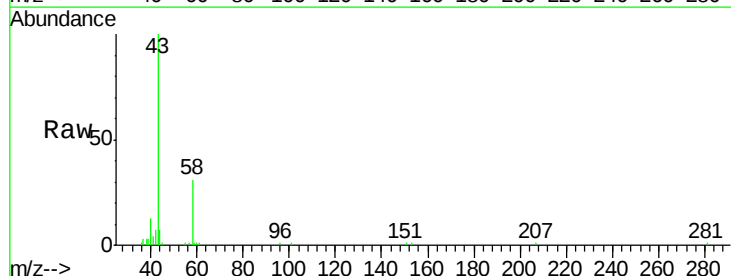
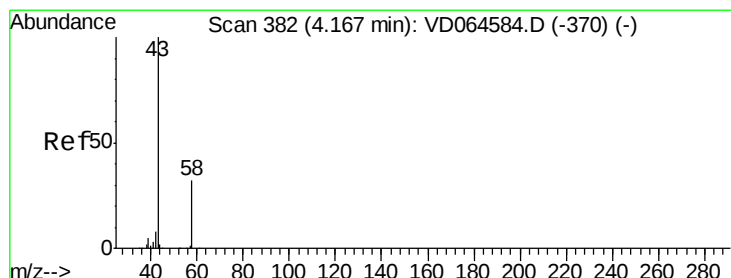
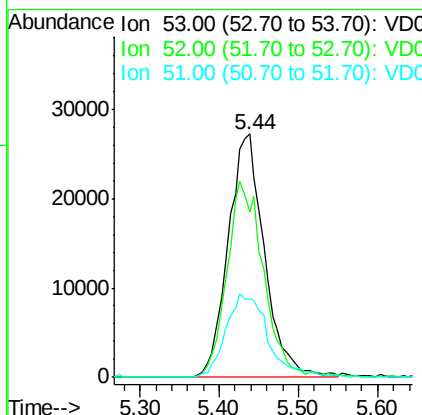
MSVOA_D

ClientSampleId :

VD0122SBS01

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#16

Acetone

Concen: 115.138 ug/l

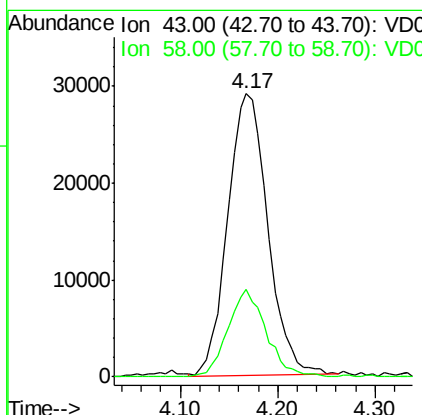
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	43	Resp:	82914
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.8	38.6





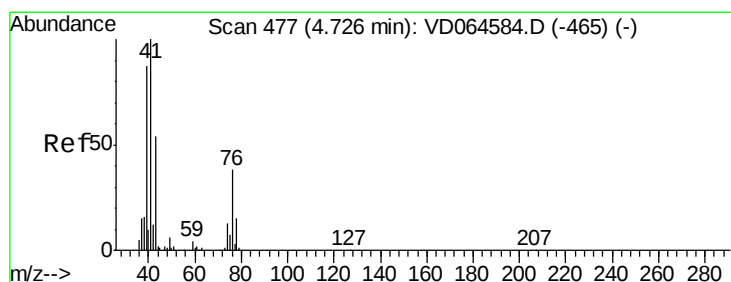
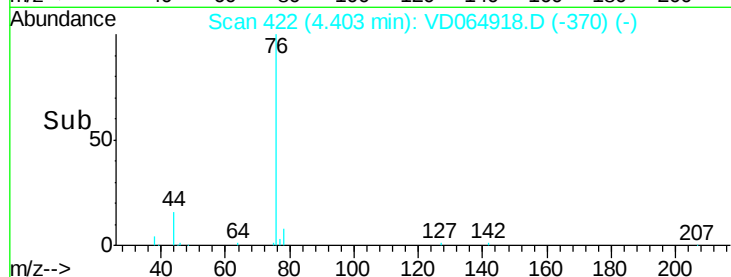
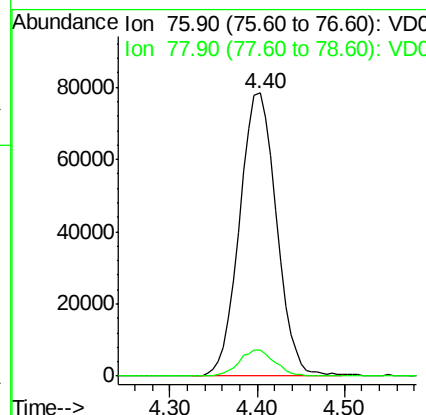
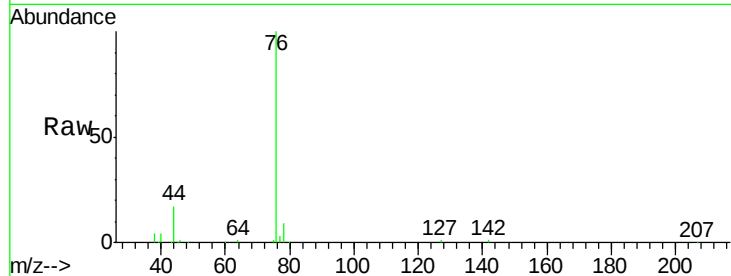
#17
Carbon Disulfide
Concen: 21.316 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

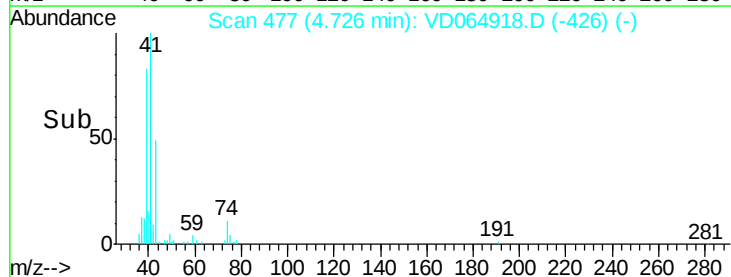
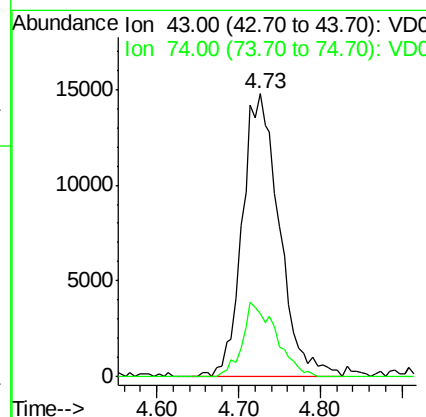
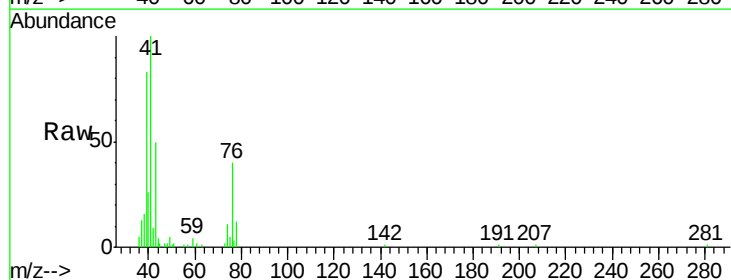
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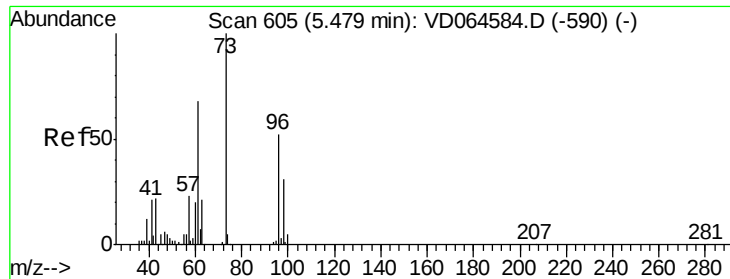
MMDadoda
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#18
Methyl Acetate
Concen: 25.241 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





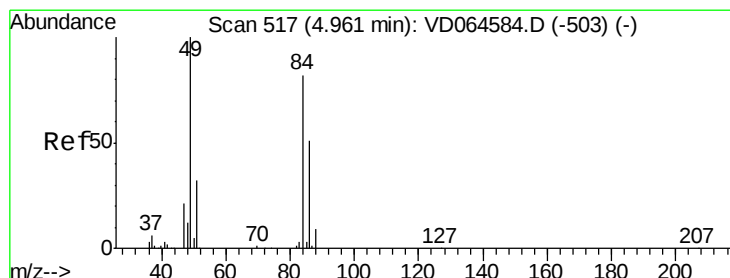
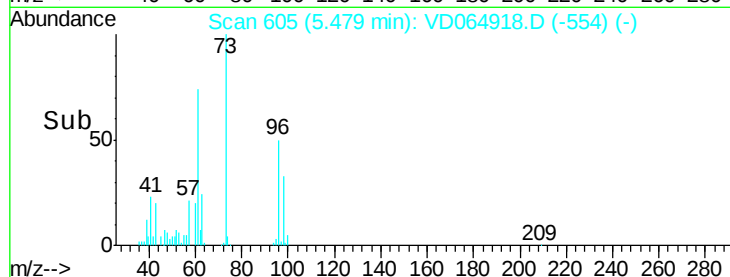
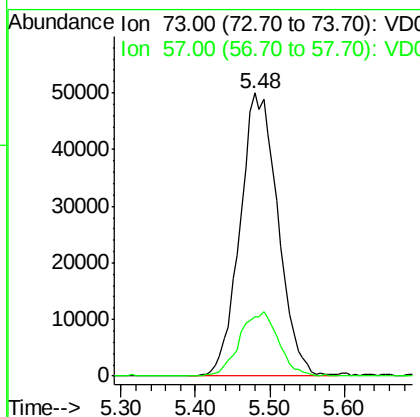
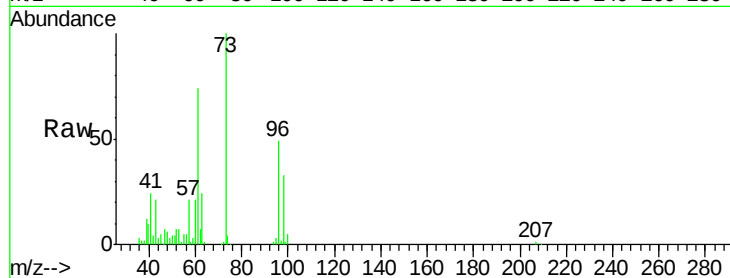
#19
Methvl tert-butvl Ether
Concen: 24.345 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion: 73 Resp: 176582
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

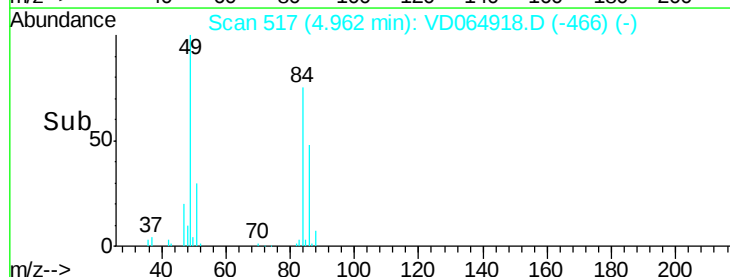
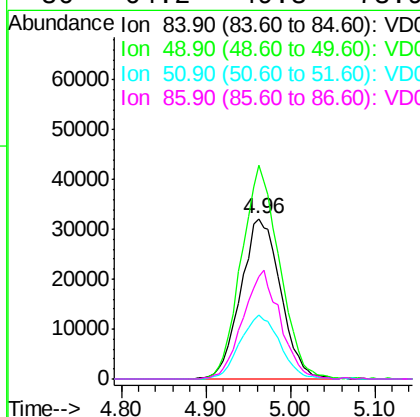
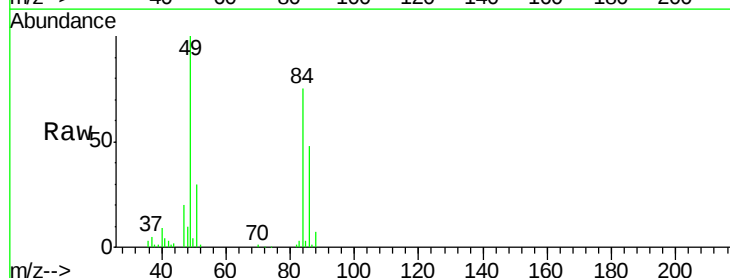
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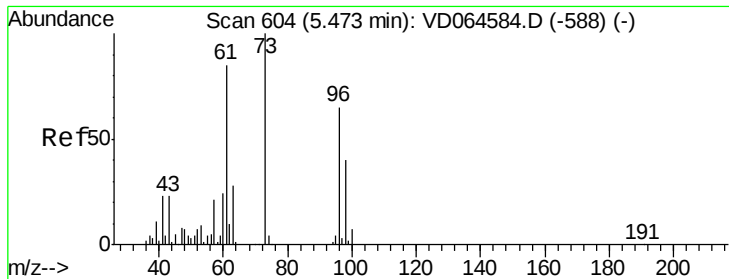
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#20
Methylene Chloride
Concen: 29.412 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion: 84 Resp: 105192
Ion Ratio Lower Upper
84 100
49 133.3 97.2 145.8
51 40.2 31.4 47.0
86 64.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 23.285 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 96 Resp: 86599

Ion Ratio Lower Upper

96 100

61 133.4 104.7 157.1

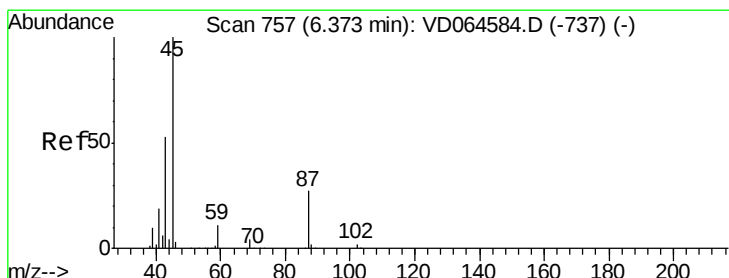
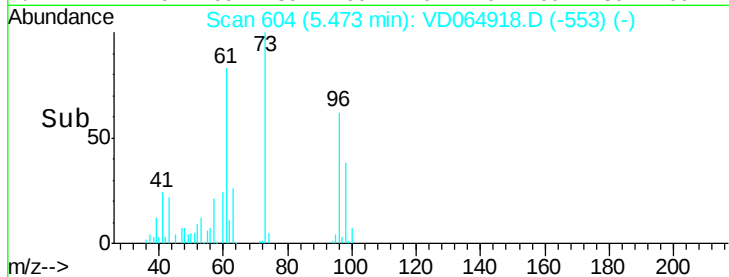
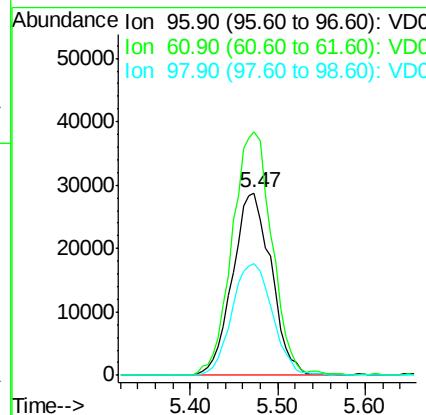
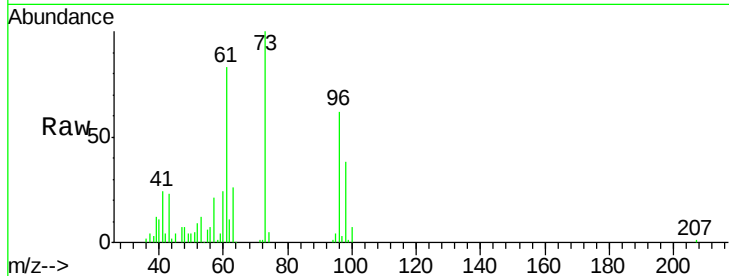
98 61.6 49.4 74.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 25.272 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion: 45 Resp: 256646

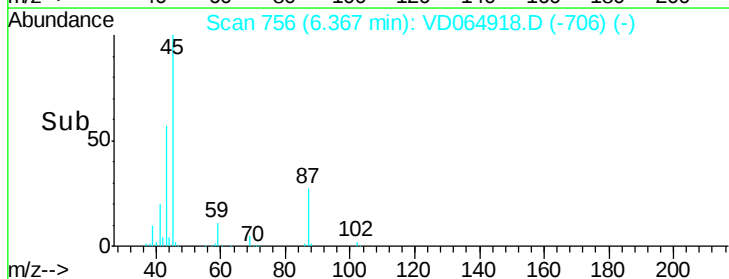
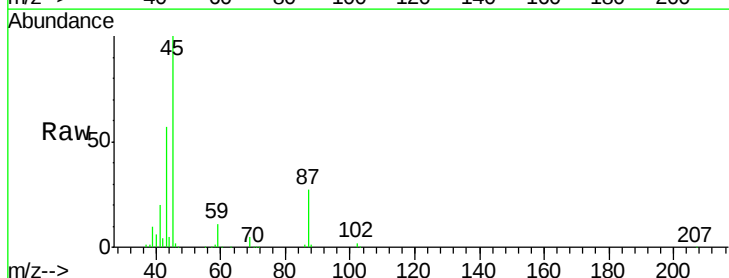
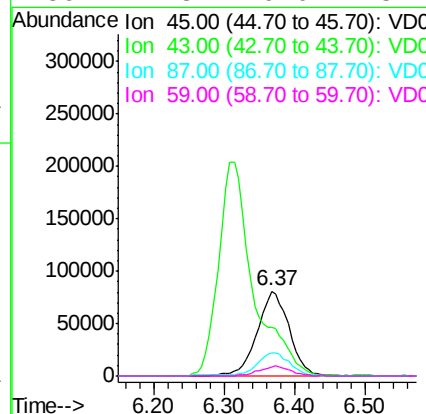
Ion Ratio Lower Upper

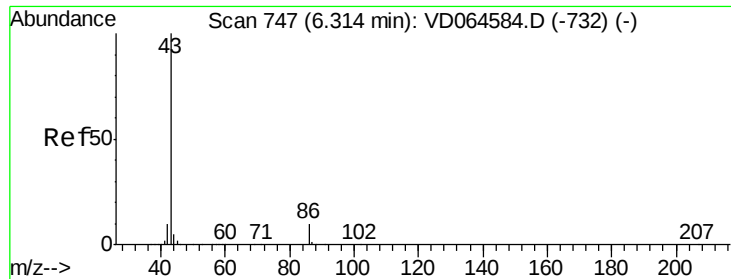
45 100

43 56.3 43.2 64.8

87 26.9 21.9 32.9

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 121.980 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 43 Resp: 702696

Ion Ratio Lower Upper

43 100

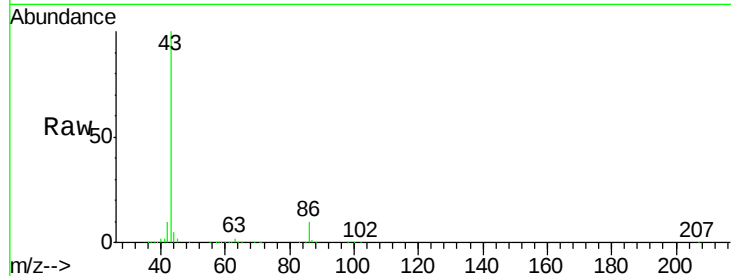
86 10.3 8.3 12.5

Manual Integrations

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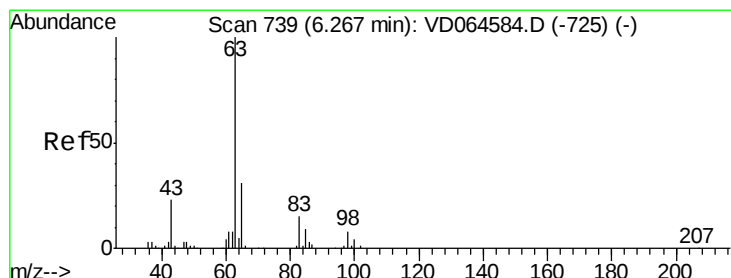
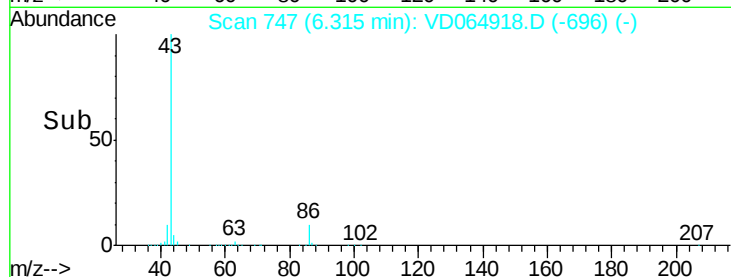
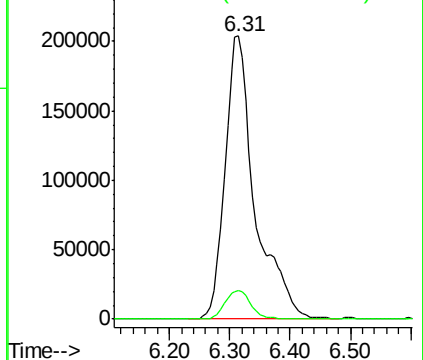
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 25.462 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

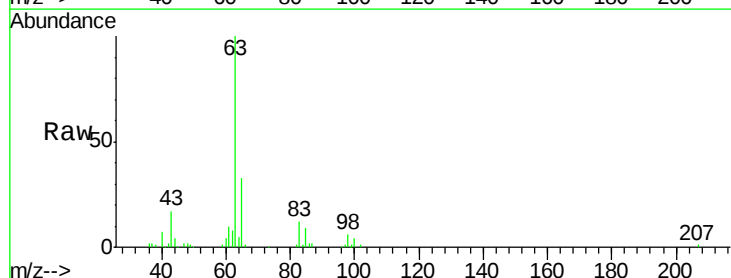
Tgt Ion: 63 Resp: 155230

Ion Ratio Lower Upper

63 100

98 5.8 4.1 12.3

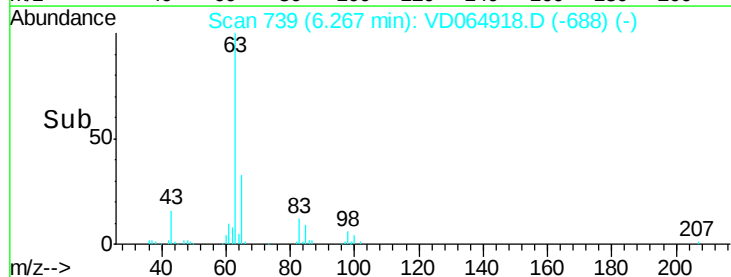
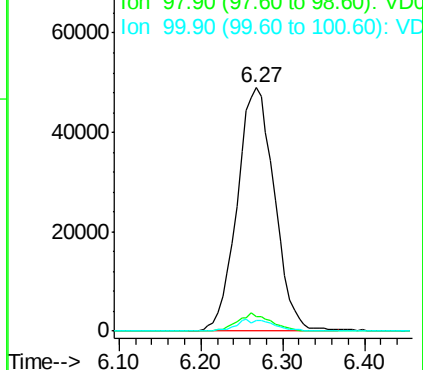
100 4.3 2.2 6.6

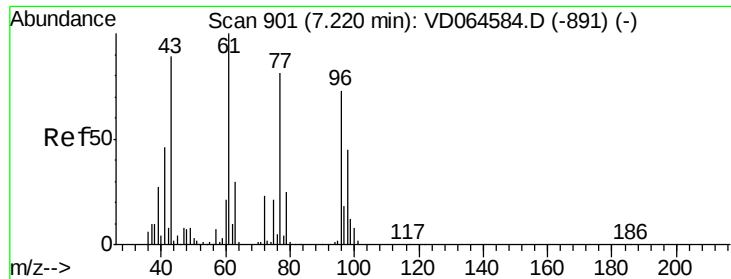


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 122.268 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBSD01

Tot Ion: 43 Resp: 110002

Ion Ratio Lower Upper

43 100

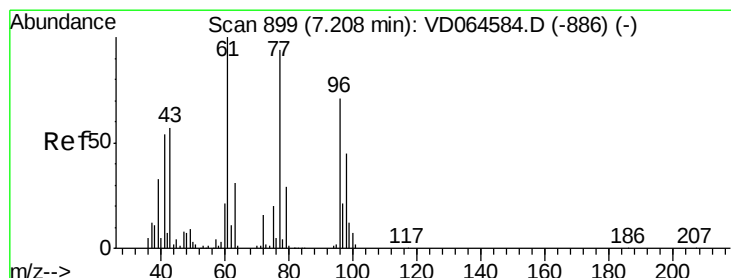
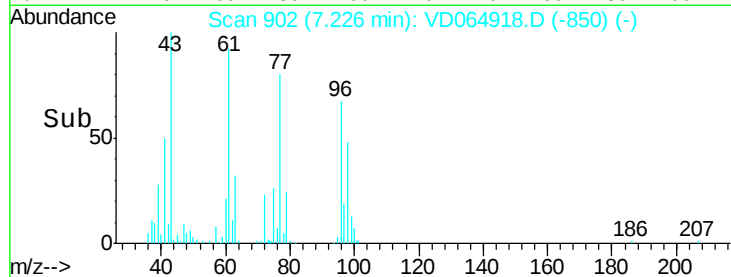
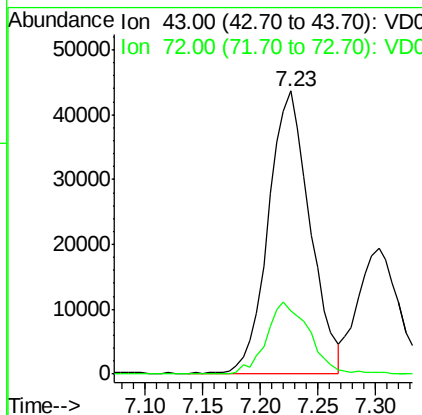
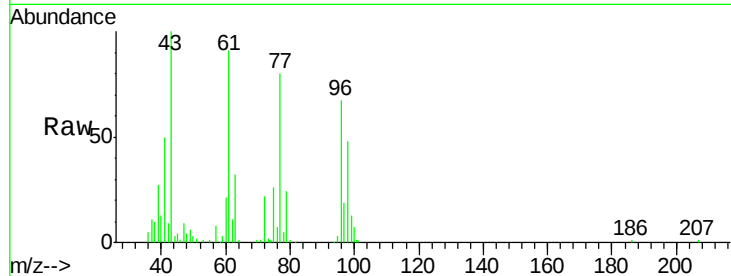
72 22.4 20.7 31.1

Manual Integrations

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1/23/2020 11:13:43 AM



#26

2,2-Dichloropropane

Concen: 24.309 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064918.D

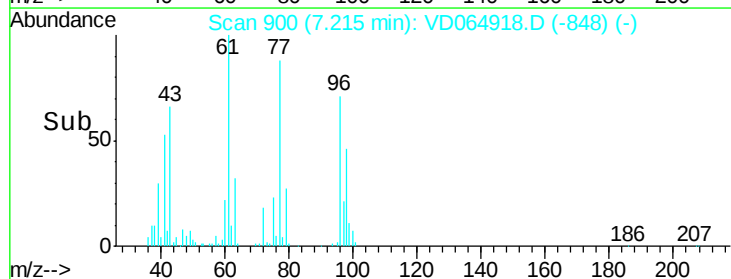
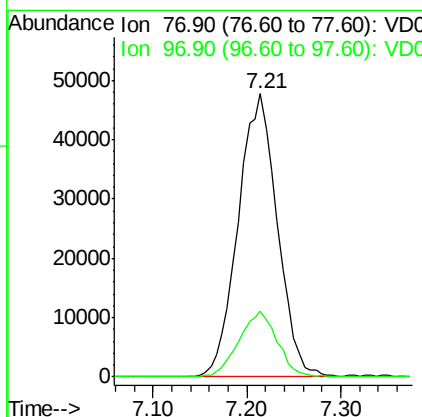
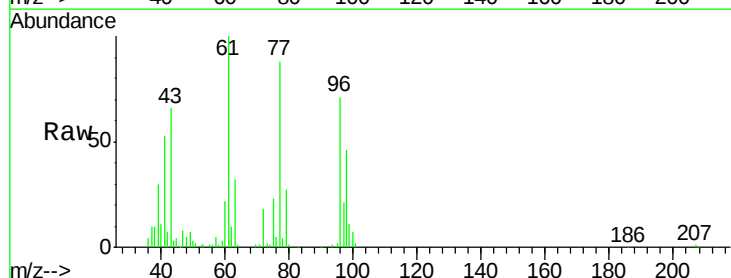
Acq: 22 Jan 2020 15:40

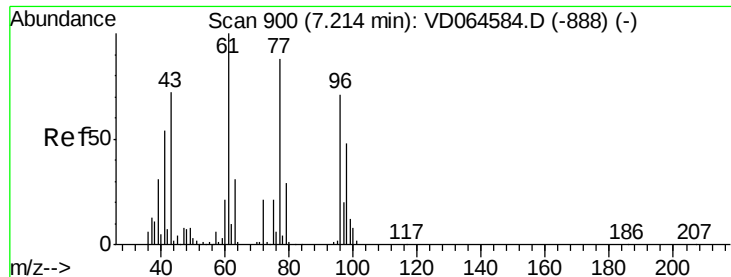
Tgt Ion: 77 Resp: 137791

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





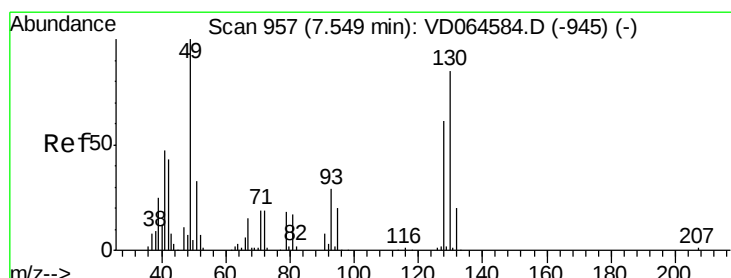
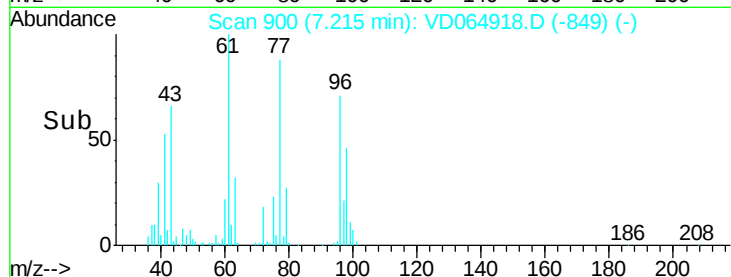
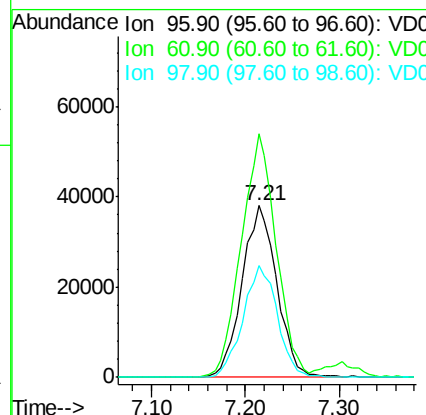
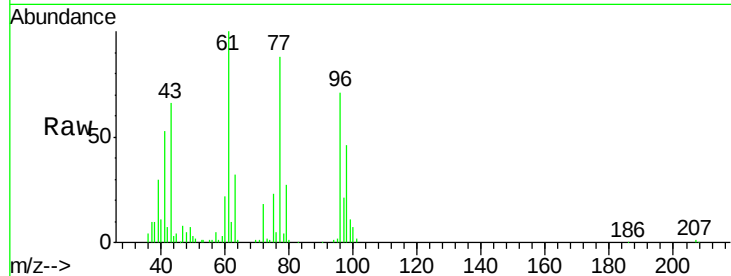
#27
 cis-1,2-Dichloroethene
 Concen: 24.307 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.6
98	64.2	0.0	130.8

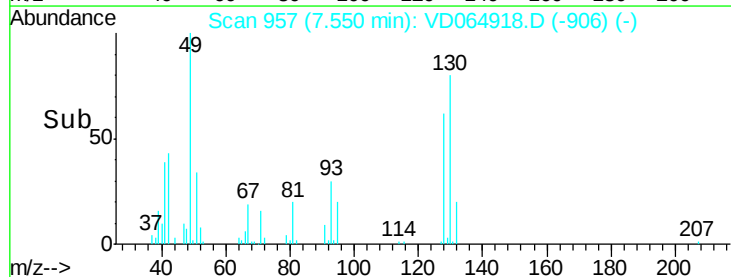
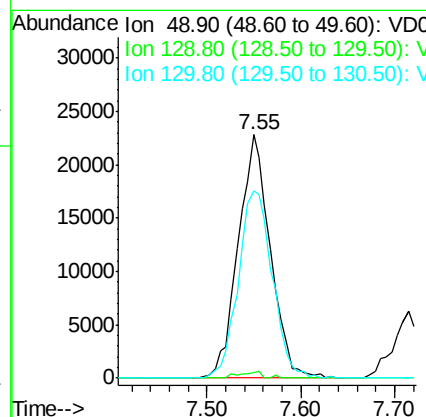
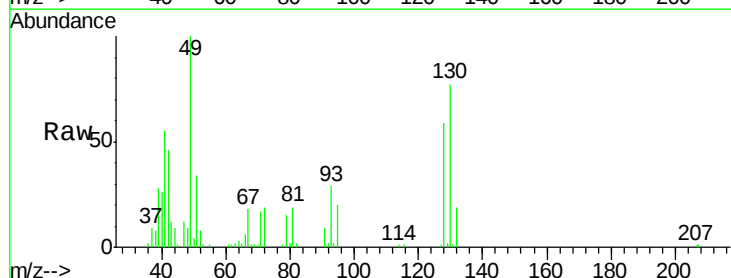
Manual Integrations
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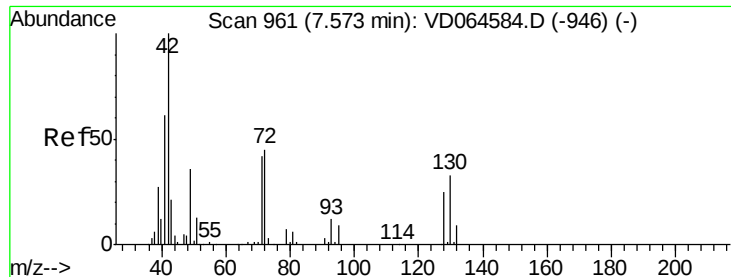
MMDadoda
 1/23/2020 11:13:43 AM



#28
 Bromochloromethane
 Concen: 22.759 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	81.5	65.0	97.6





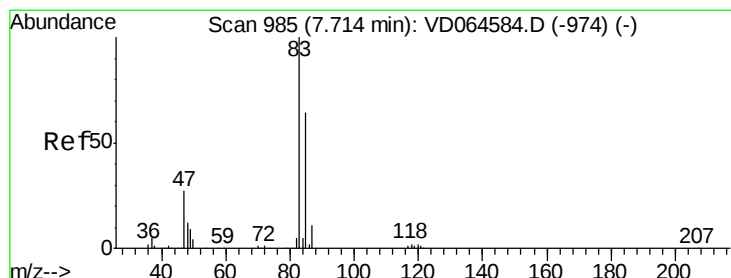
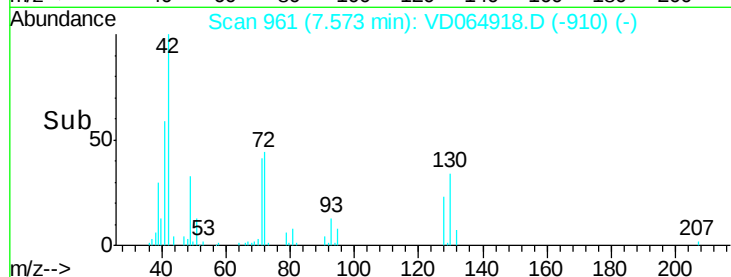
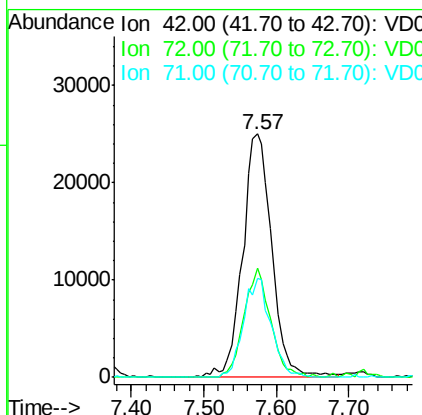
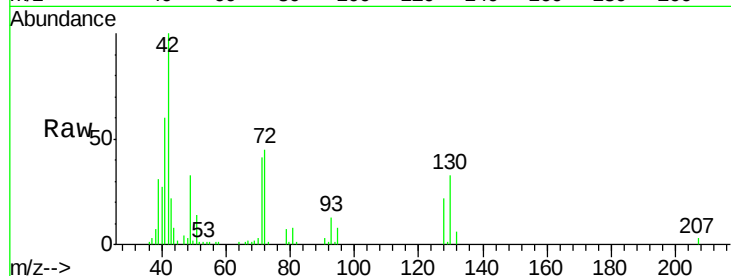
#29
Tetrahydrofuran
Concen: 125.240 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	35.0	52.4
71	38.7	32.9	49.3

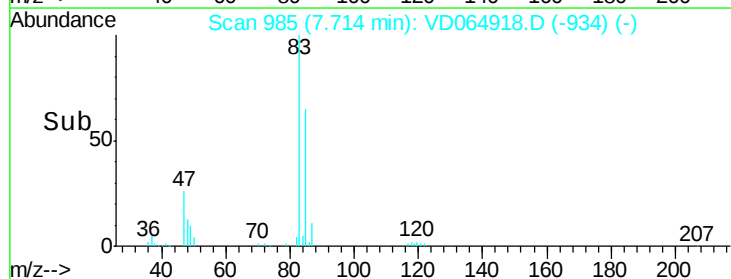
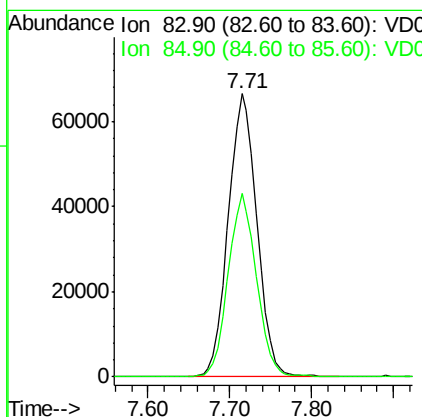
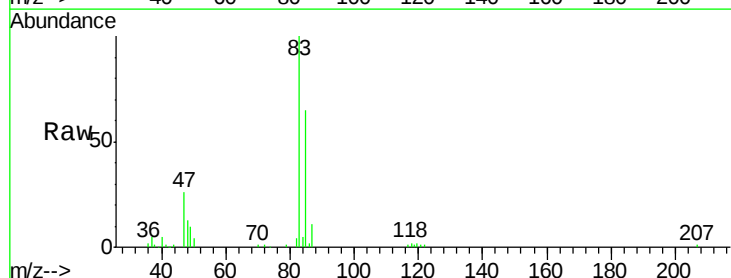
Manual Integrations
APPROVED

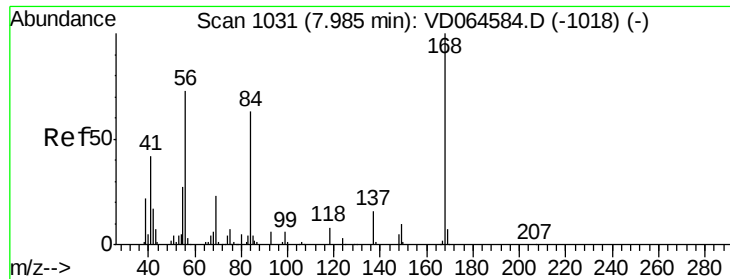
MMDadoda
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#30
Chloroform
Concen: 25.394 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7





#31

Cyclohexane

Concen: 22.627 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

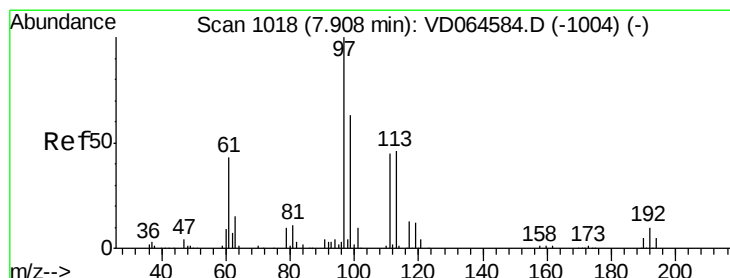
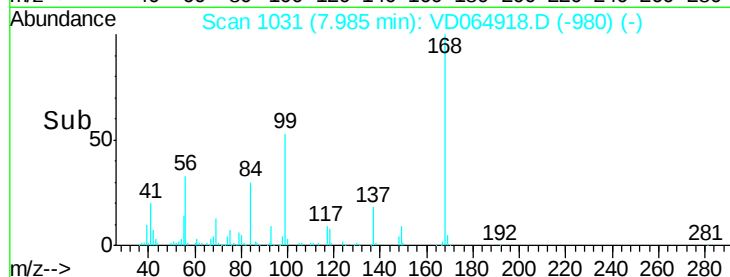
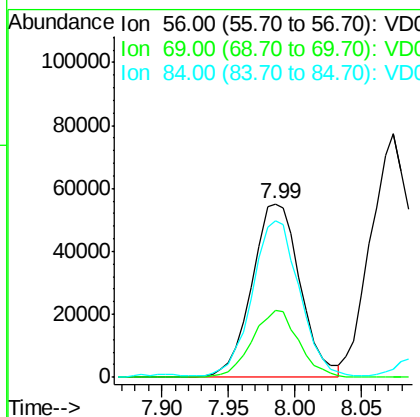
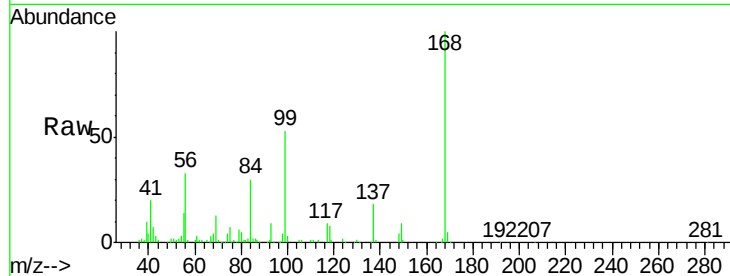
ClientSampleId :

VD0122SBS01

Tot Ion:	56	Resp:	138086
Ion	Ratio	Lower	Upper
56	100		
69	38.8	24.7	37.1#
84	89.2	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 24.208 ug/l

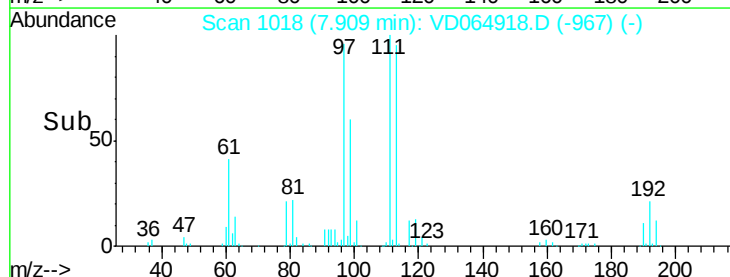
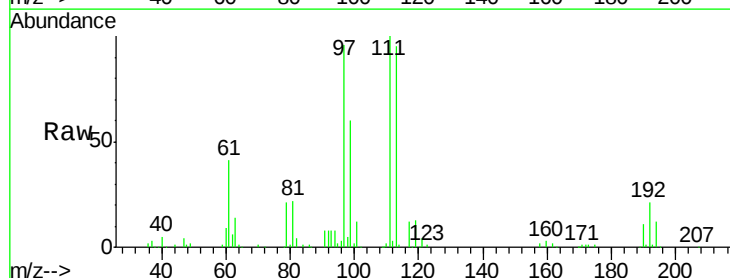
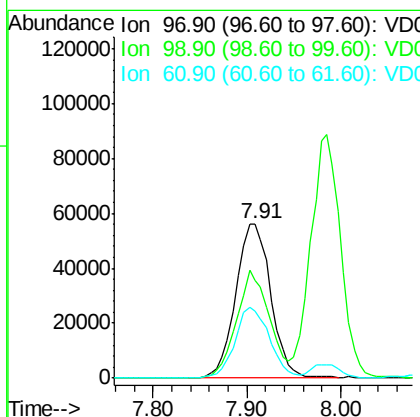
RT: 7.91 min Scan# 1018

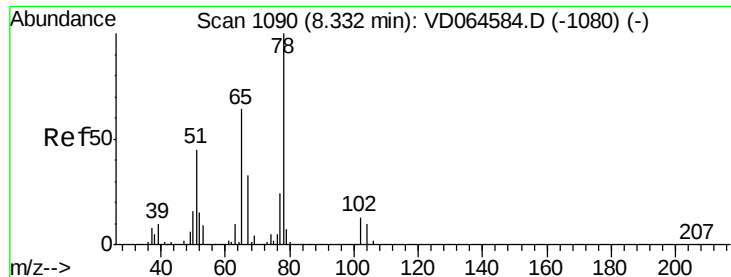
Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	97	Resp:	145437
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.6
61	45.3	35.4	53.0





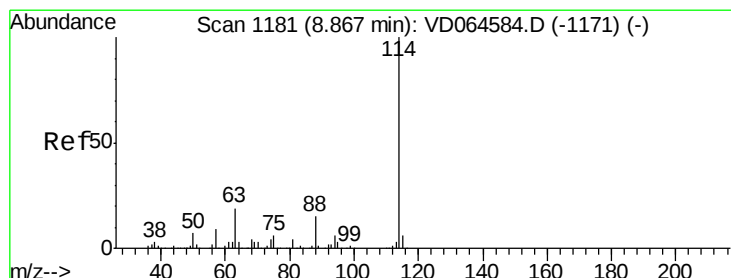
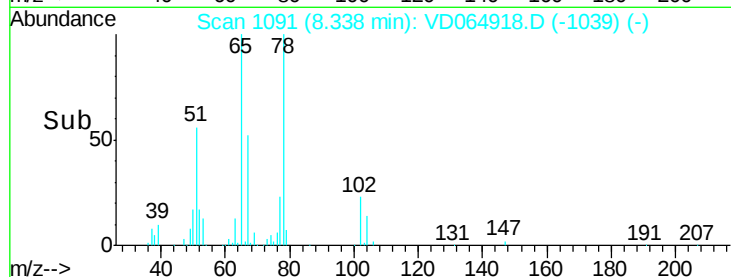
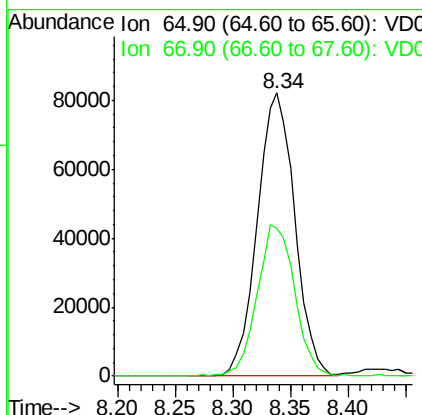
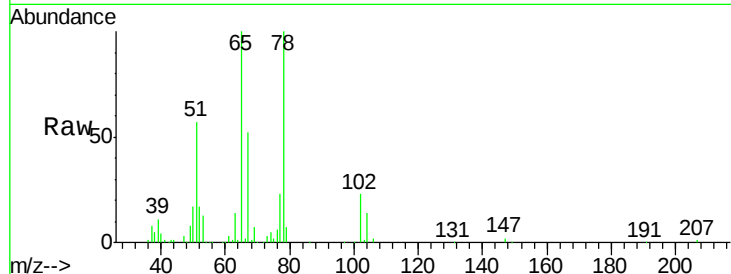
#33
 1,2-Dichloroethane-d4
 Concen: 56.689 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185546		
67	53.9	0.0	106.2	

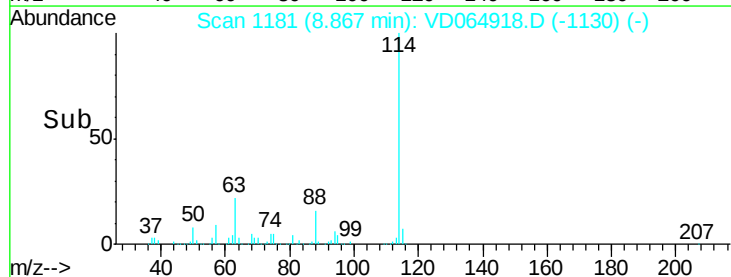
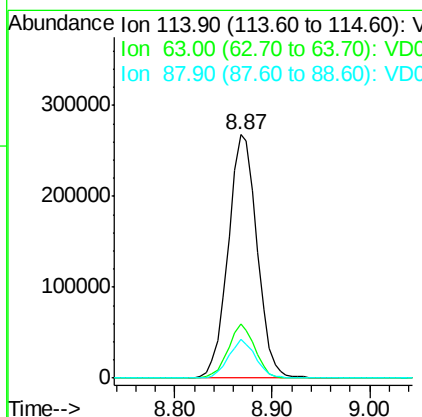
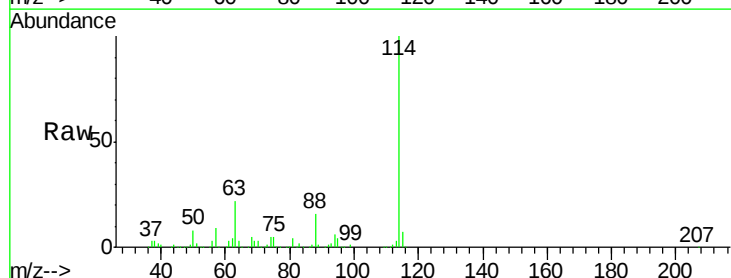
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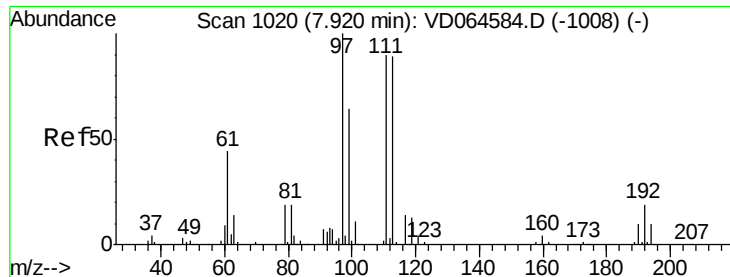
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	550166		
63	22.1	0.0	38.0	
88	15.9	0.0	29.2	





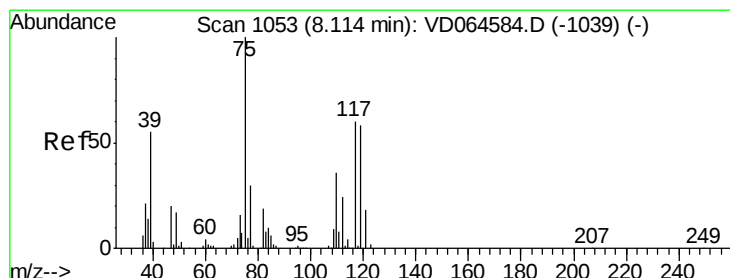
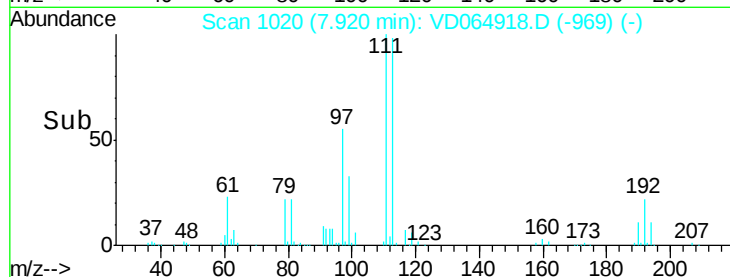
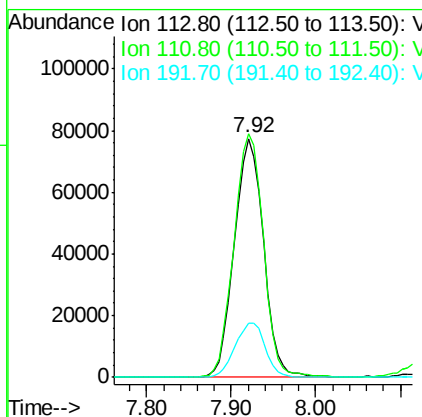
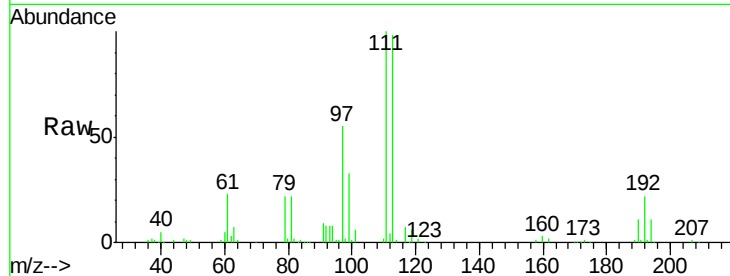
#35
 Dibromofluoromethane
 Concen: 54.898 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185300		
111	102.8	80.6	121.0	
192	23.4	17.9	26.9	

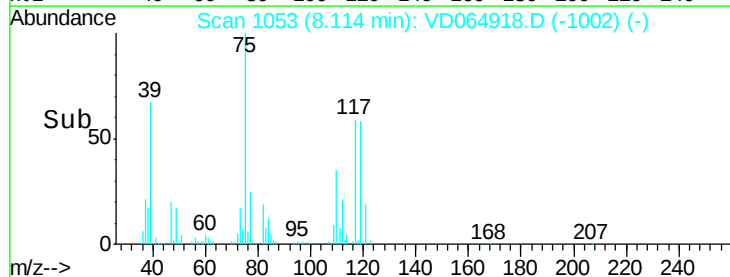
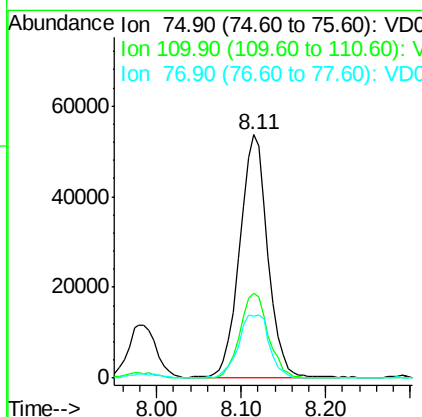
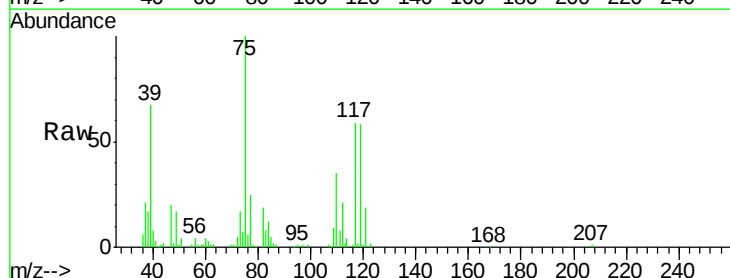
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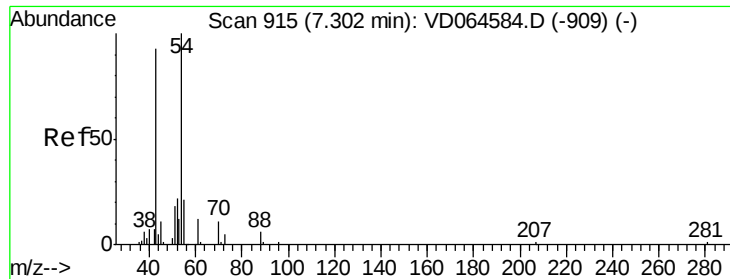
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#36
 1,1-Dichloropropene
 Concen: 23.347 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123629		
110	35.1	18.1	54.1	
77	28.7	24.2	36.4	





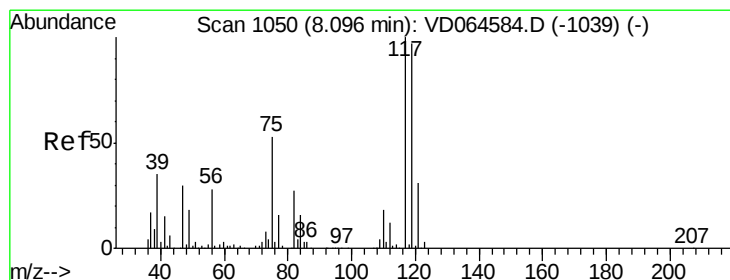
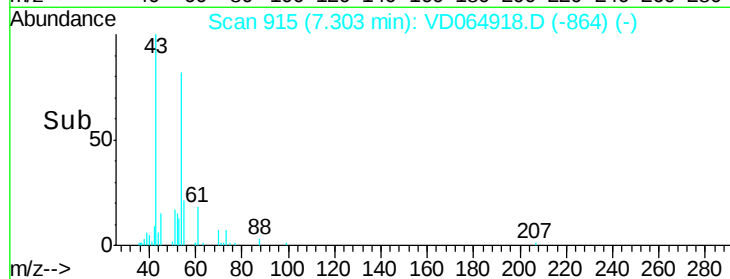
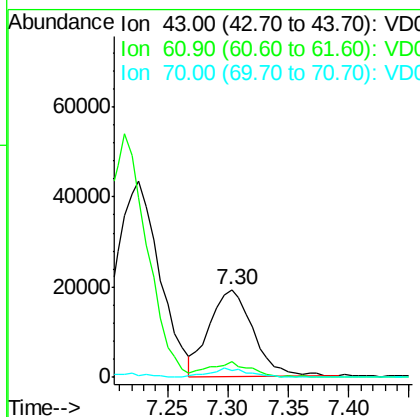
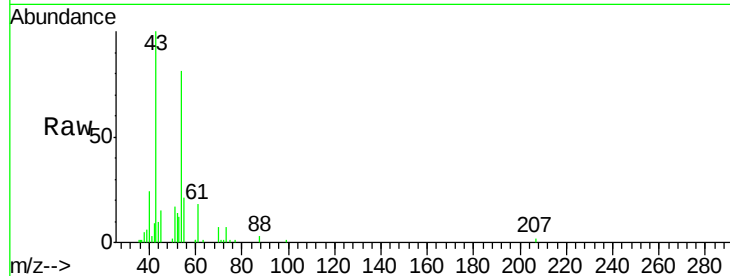
#37
Ethyl Acetate
Concen: 23.112 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	10.3	15.5#
70	9.1	7.6	11.4

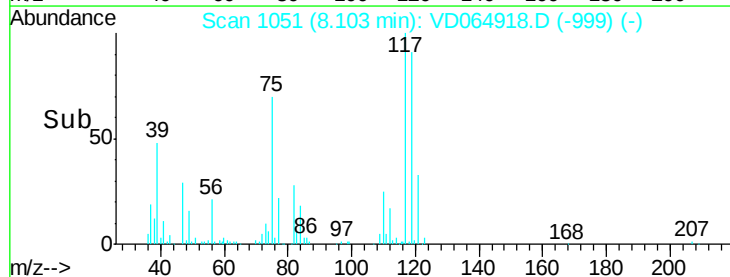
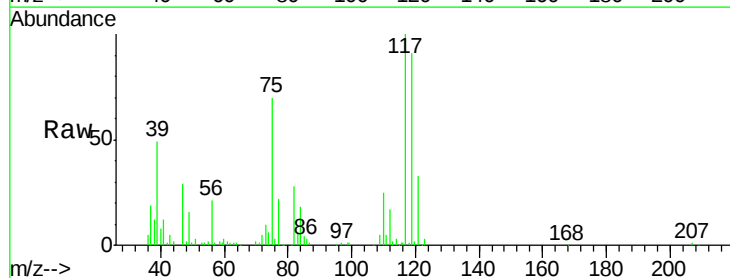
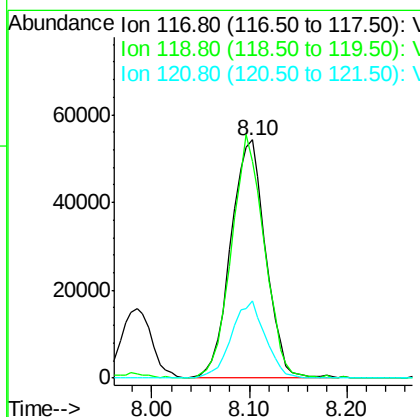
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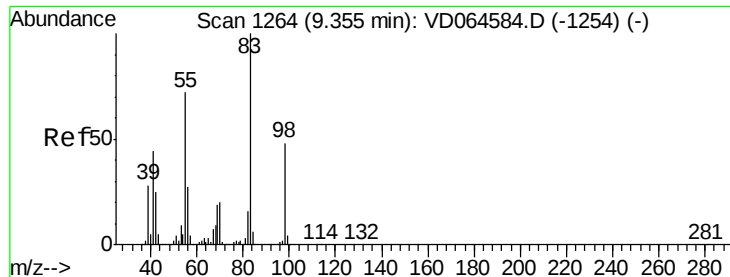
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#38
Carbon Tetrachloride
Concen: 23.890 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.3	115.9
121	32.6	25.0	37.6





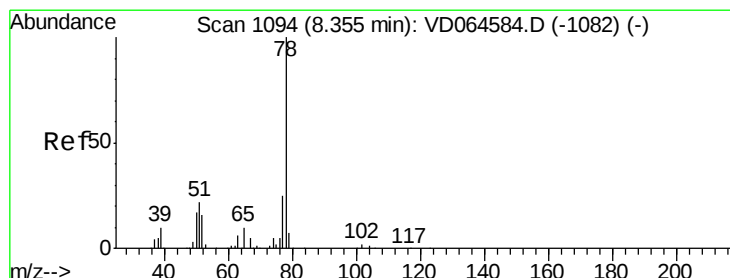
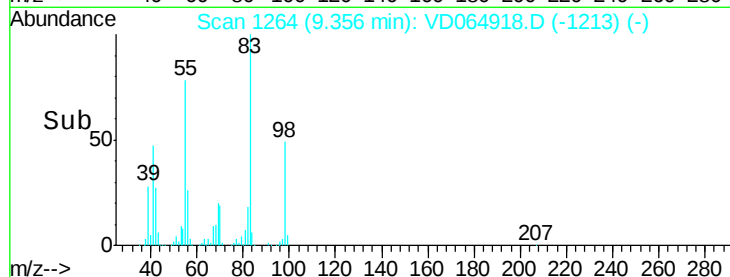
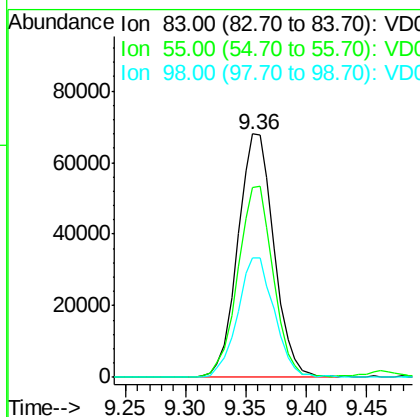
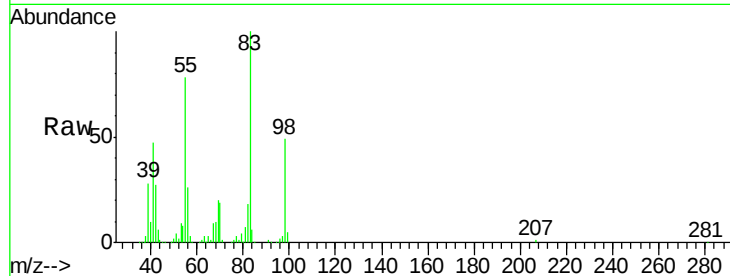
#39
Methvlcvclohexane
Concen: 22.165 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	57.8	86.6
98	49.2	38.7	58.1

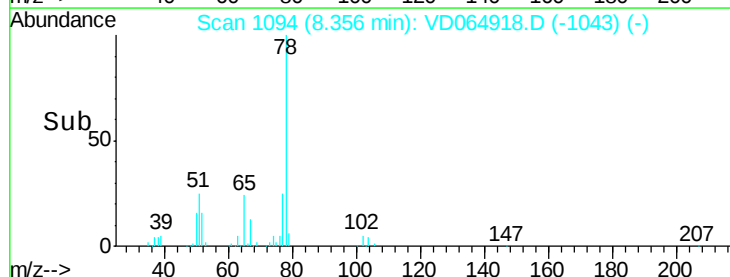
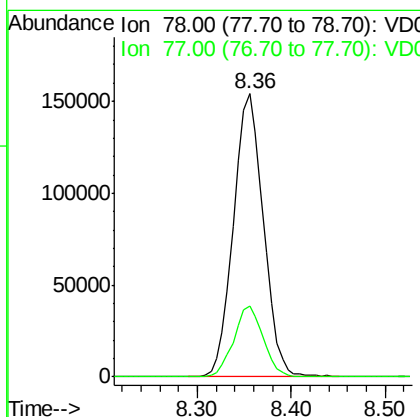
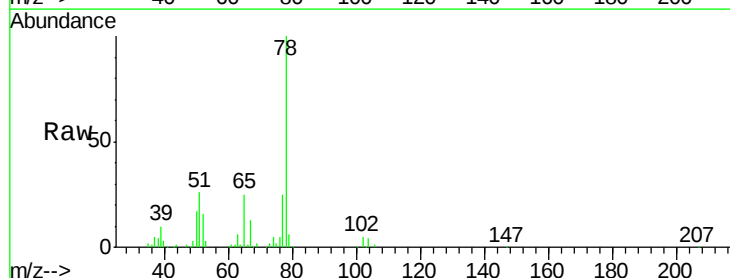
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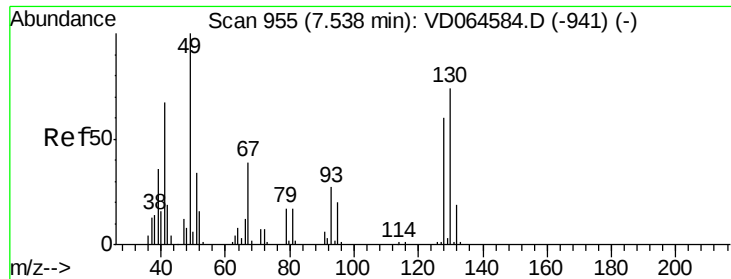
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#40
Benzene
Concen: 23.647 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.9	29.9





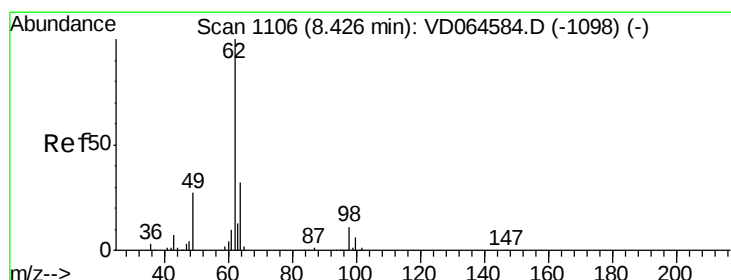
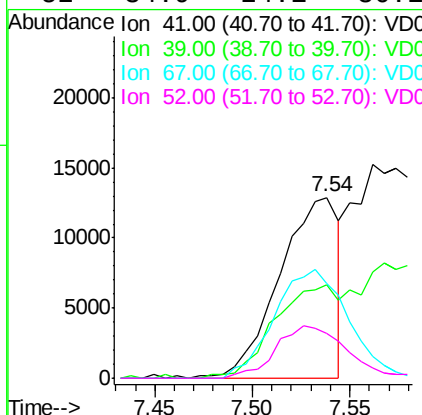
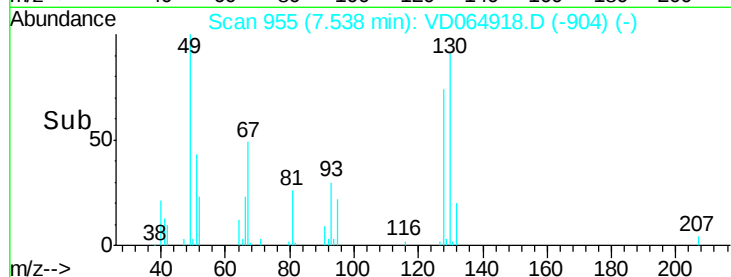
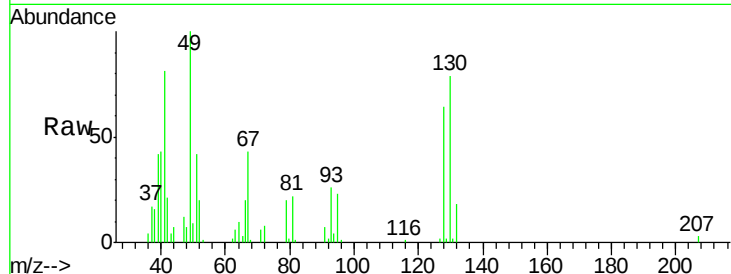
#41
Methacrylonitrile
Concen: 22.592 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	41	Resp	27268
Ion	Ratio	Lower	Upper
41	100		
39	55.1	46.7	70.1
67	74.9	52.5	78.7
52	34.9	24.1	36.1

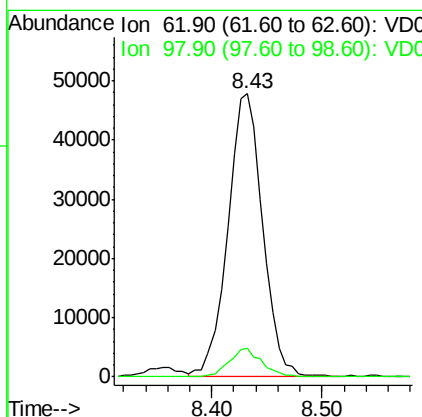
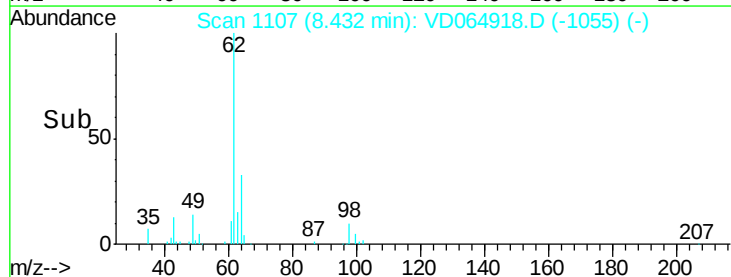
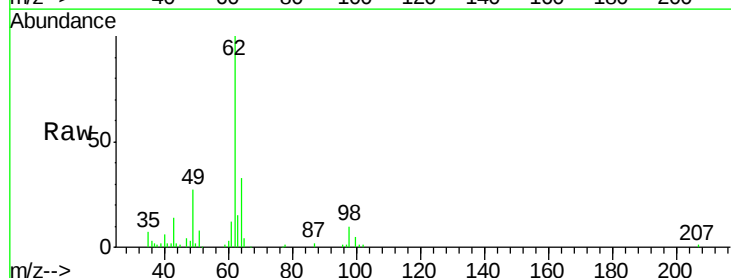
Manual Integrations
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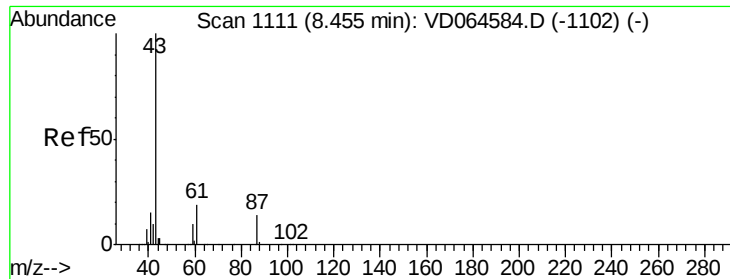
MMDadoda
1/23/2020 11:13:43 AM



#42
1,2-Dichloroethane
Concen: 25.321 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	62	Resp	105773
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 23.438 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

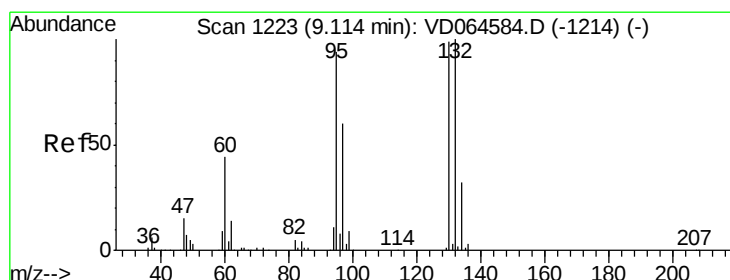
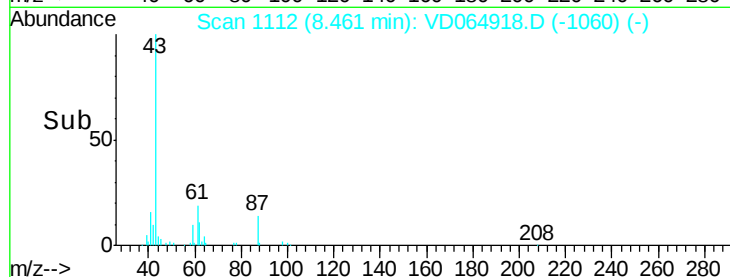
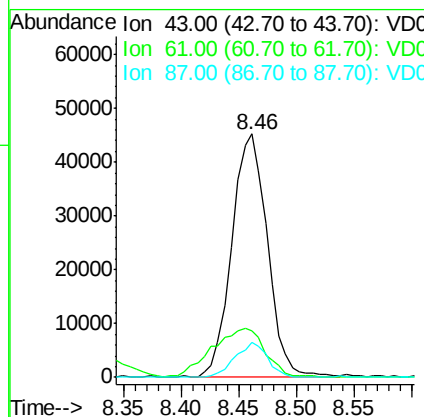
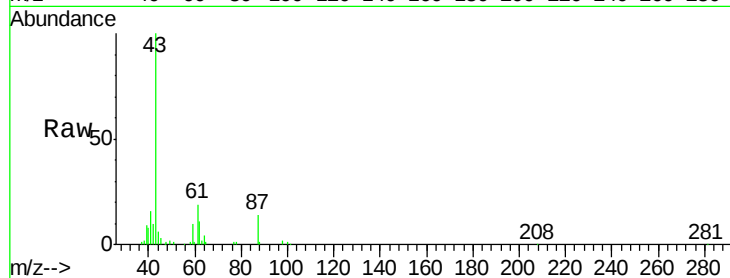
ClientSampleId :

VD0122SBS01

Tot Ion:	43	Resp:	97048
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.7	35.5
87	13.2	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 22.893 ug/l

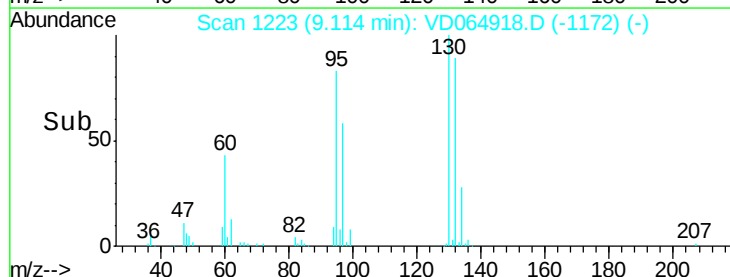
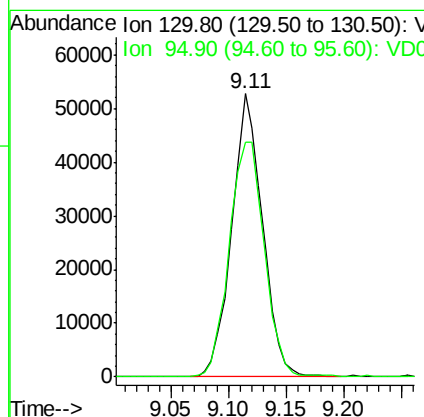
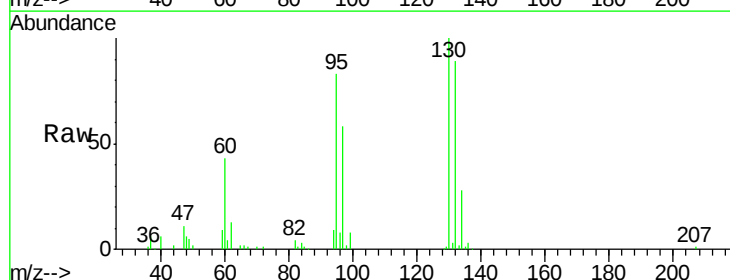
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	130	Resp:	97217
Ion	Ratio	Lower	Upper
130	100		
95	83.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 24.559 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 63 Resp: 84764

Ion Ratio Lower Upper

63 100

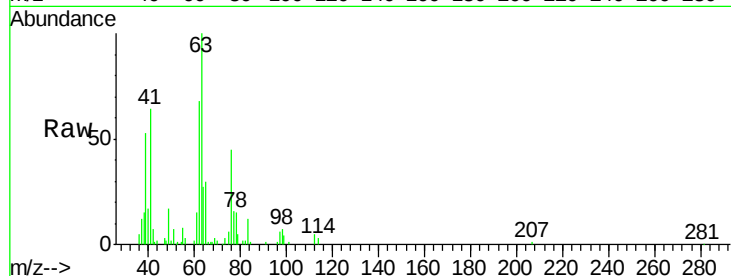
65 30.0 25.2 37.8

Manual Integrations

APPROVED

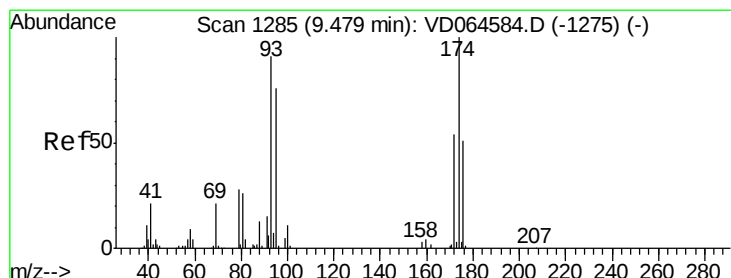
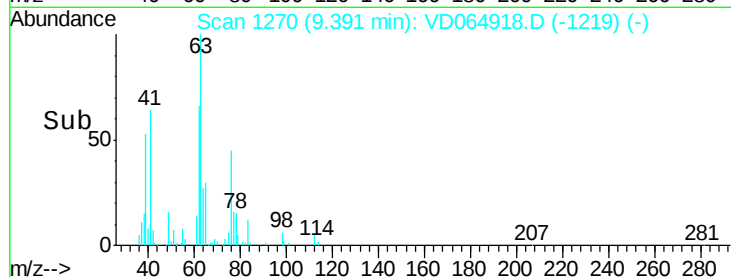
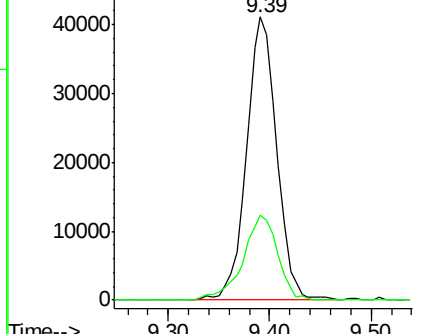
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.603 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

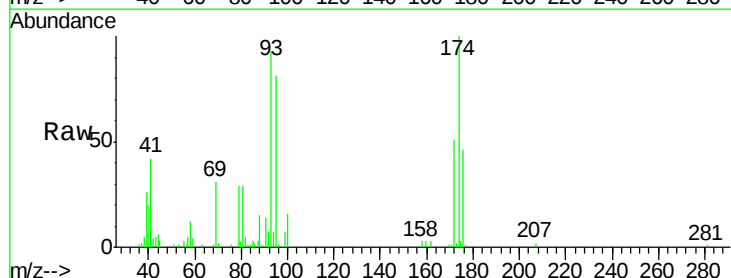
Tgt Ion: 93 Resp: 45420

Ion Ratio Lower Upper

93 100

95 83.3 64.6 97.0

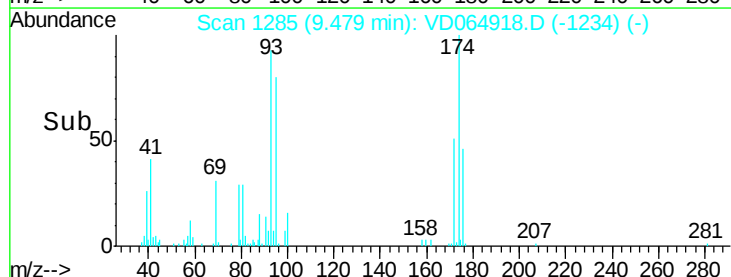
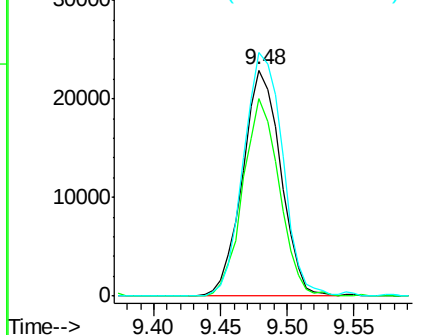
174 110.3 88.1 132.1

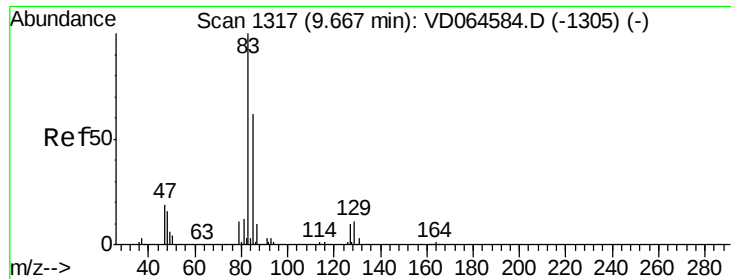


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.978 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

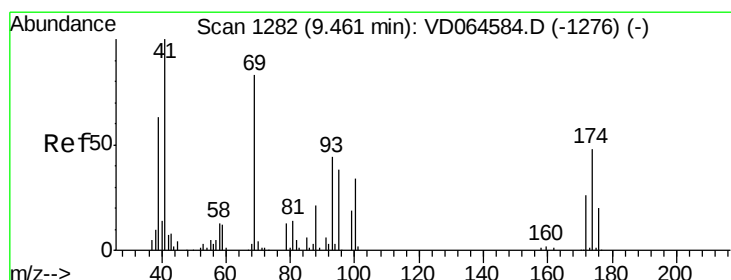
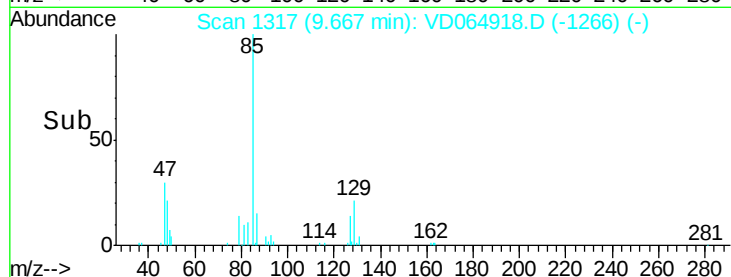
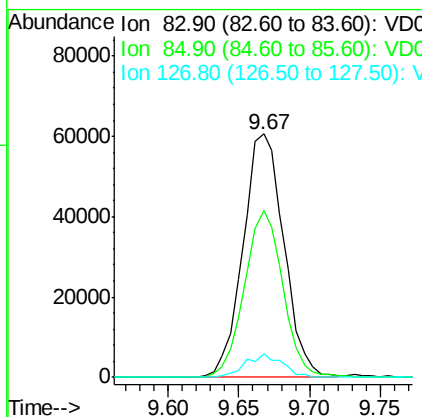
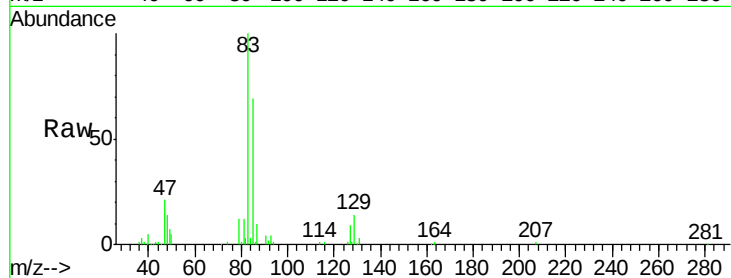
ClientSampleId :

VD0122SBSD01

Tot Ion:	83	Resp:	122782
Ion	Ratio	Lower	Upper
83	100		
85	68.5	49.5	74.3
127	9.4	7.8	11.6

Manual Integrations
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1/23/2020 11:13:43 AM



#48

Methyl methacrylate

Concen: 23.211 ug/l

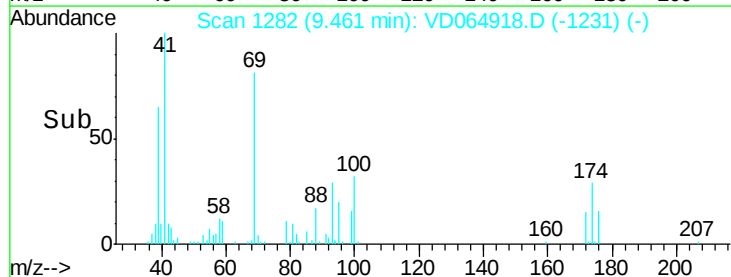
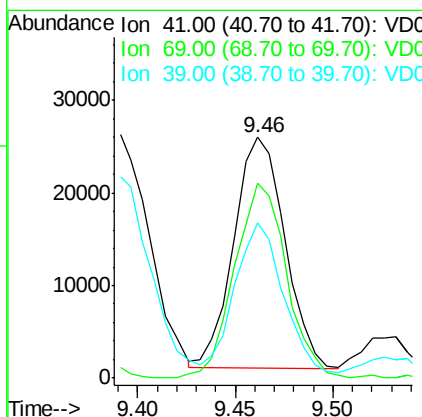
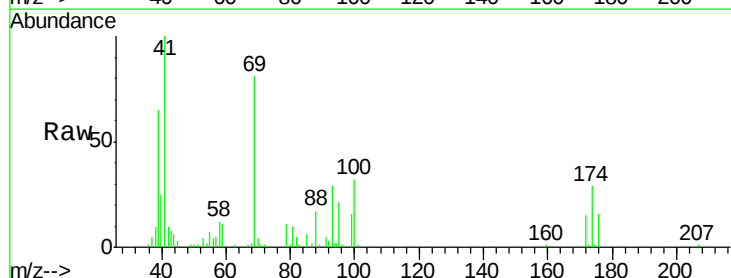
RT: 9.46 min Scan# 1282

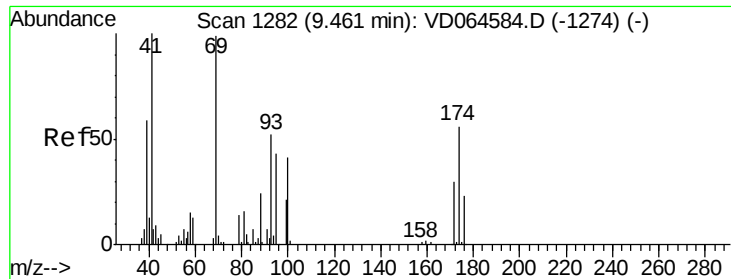
Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	41	Resp:	45253
Ion	Ratio	Lower	Upper
41	100		
69	85.6	63.0	94.6
39	60.3	47.4	71.2





#49

1,4-Dioxane

Concen: 445.542 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

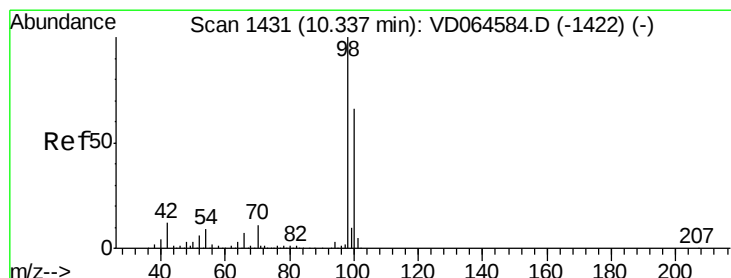
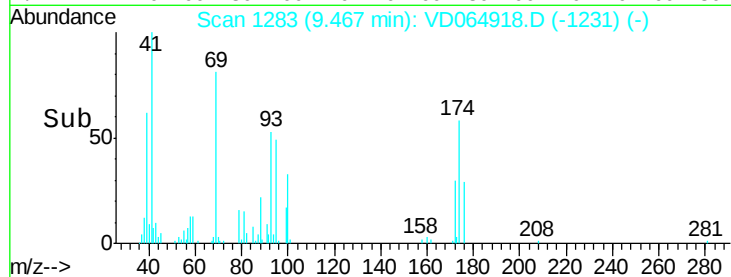
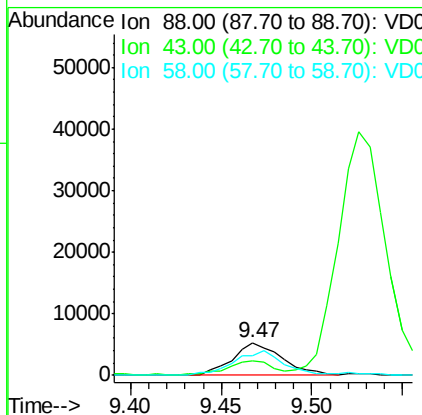
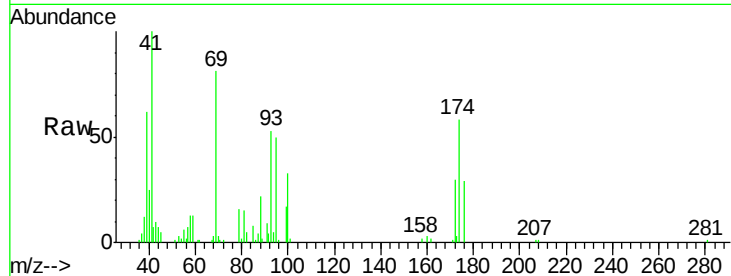
VD0122SBS01

Tot Ion: 88 Resp: 9886

Ion	Ratio	Lower	Upper
88	100		
43	43.6	27.7	41.5#
58	76.0	53.8	80.6

Manual Integrations
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#50

Toluene-d8

Concen: 53.957 ug/l

RT: 10.34 min Scan# 1432

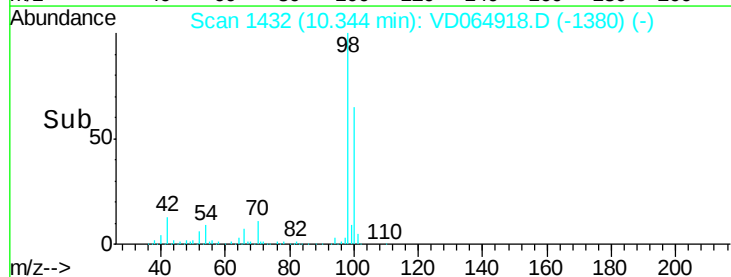
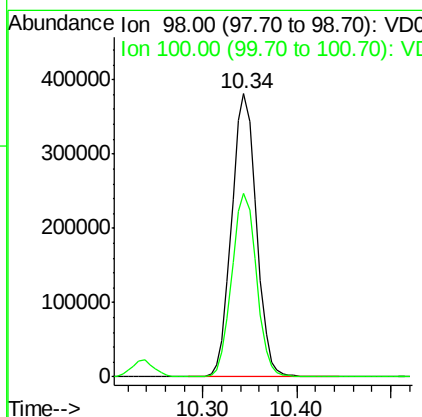
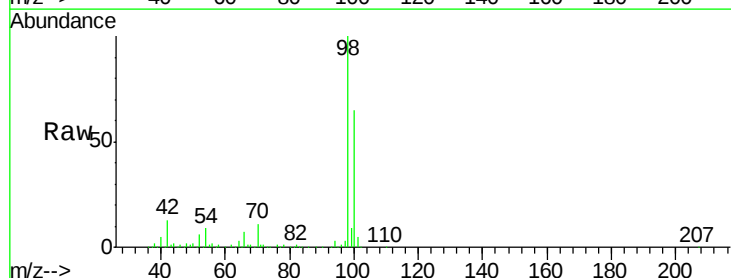
Delta R.T. 0.01 min

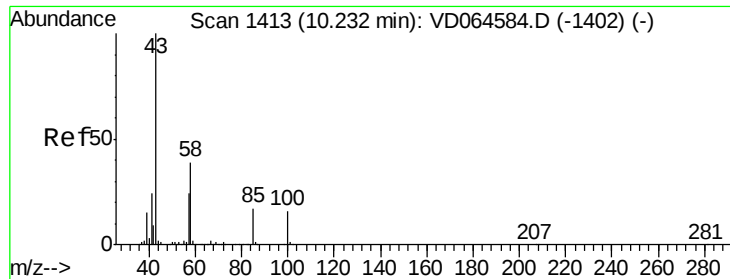
Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion: 98 Resp: 697513

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





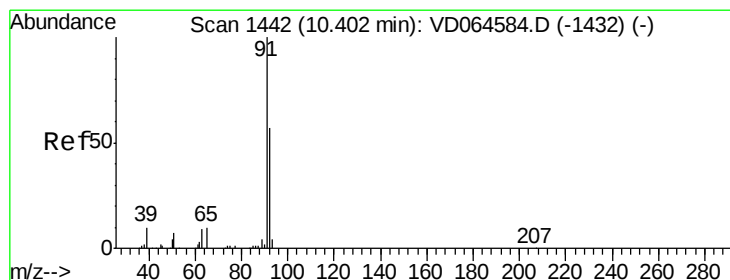
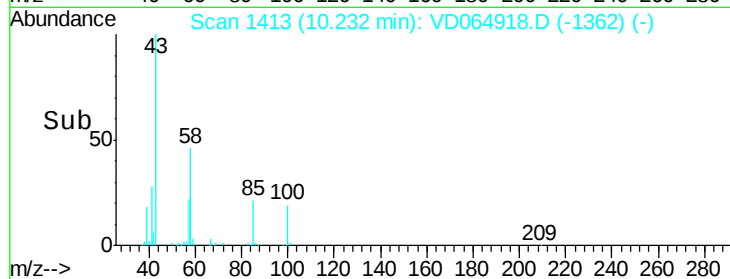
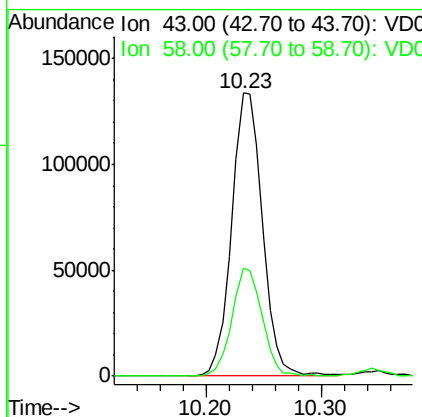
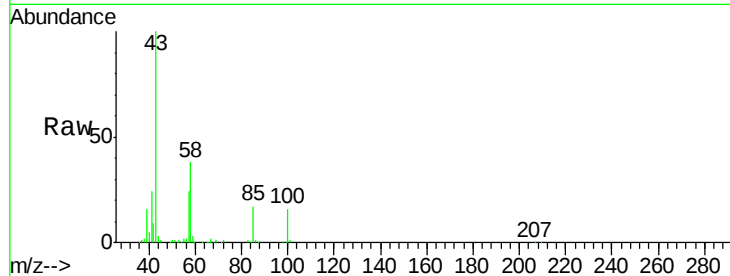
#51
4-Methyl-2-Pentanone
Concen: 120.590 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.2	45.2

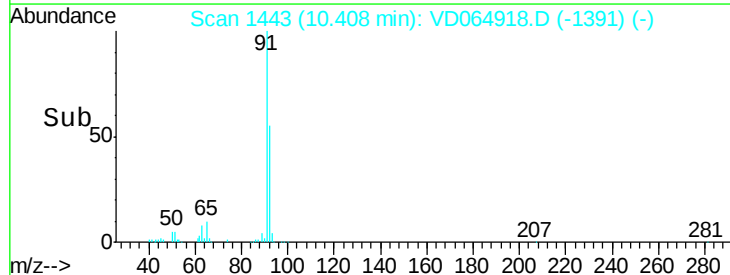
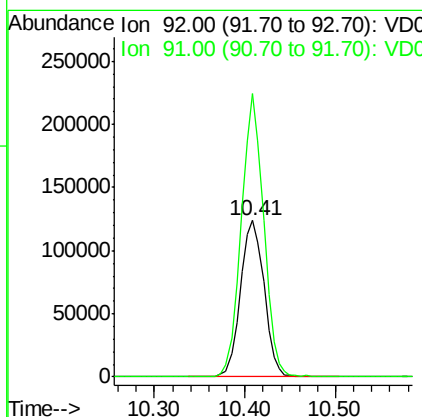
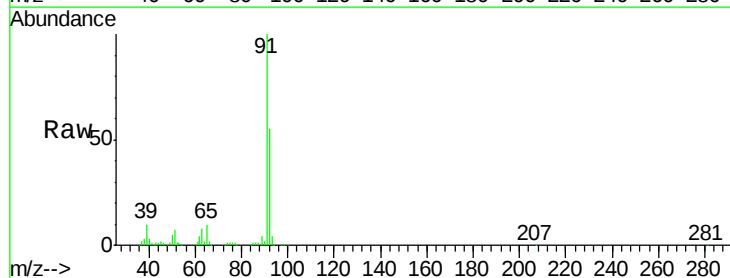
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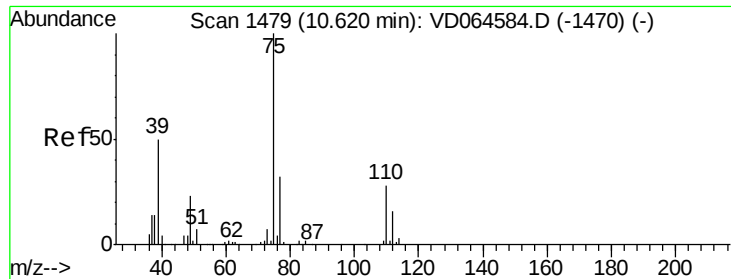
MMDadoda
1/23/2020 11:13:43 AM



#52
Toluene
Concen: 23.767 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	138.7	208.1





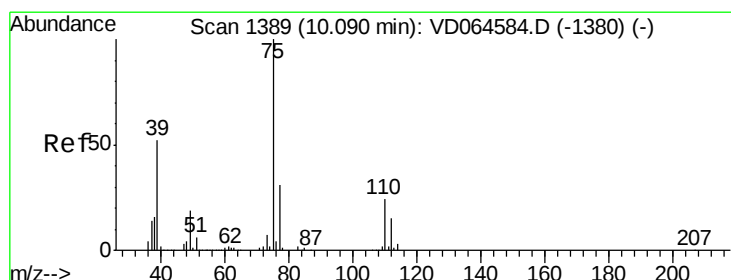
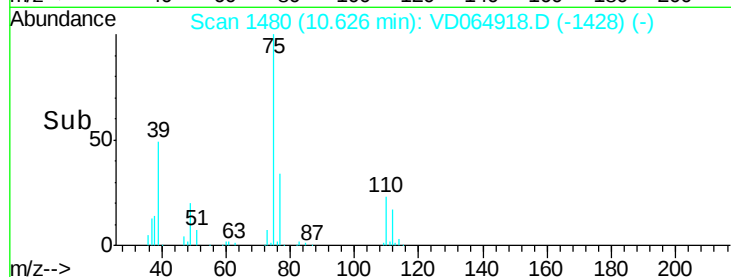
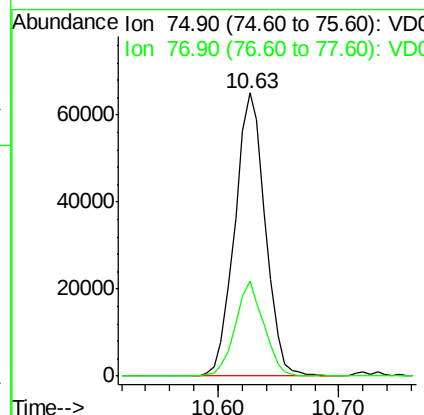
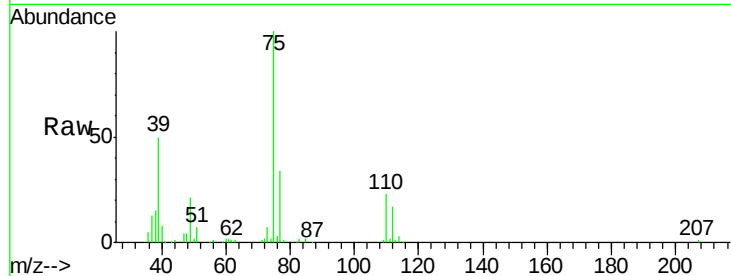
#53
t-1,3-Dichloropropene
Concen: 23.950 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleID :
VD0122SBS01

Tot Ion: 75 Resp: 114335
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.2

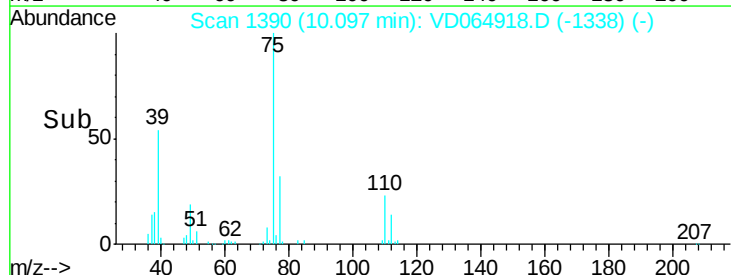
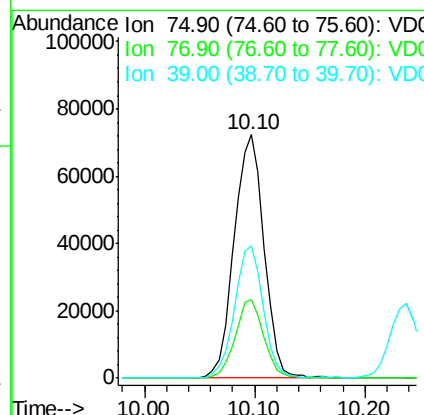
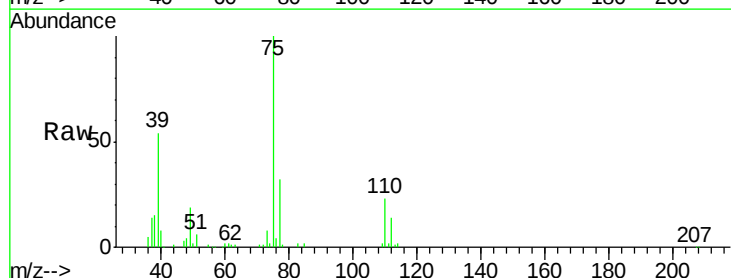
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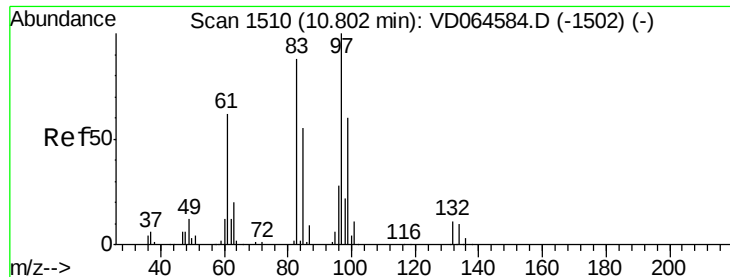
MMDadoda
1/23/2020 11:13:43 AM



#54
cis-1,3-Dichloropropene
Concen: 24.379 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion: 75 Resp: 137234
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 53.9 41.4 62.2





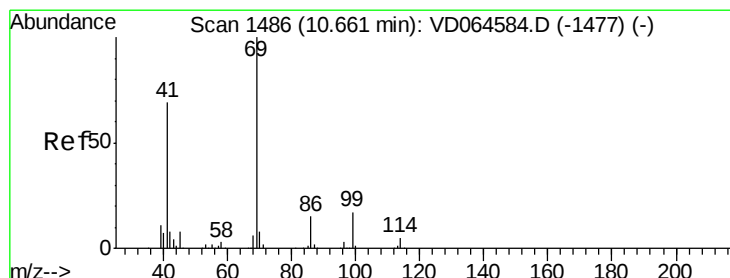
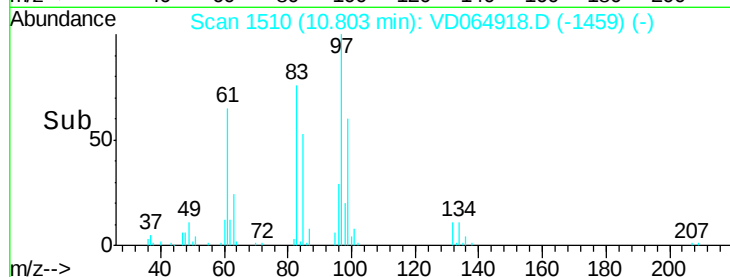
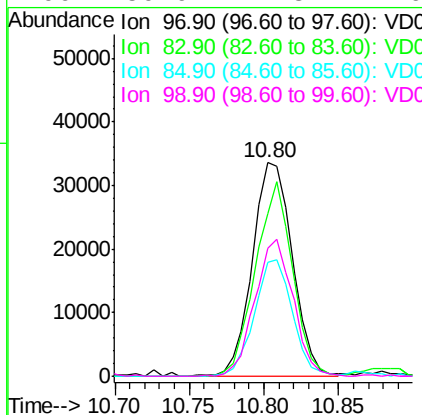
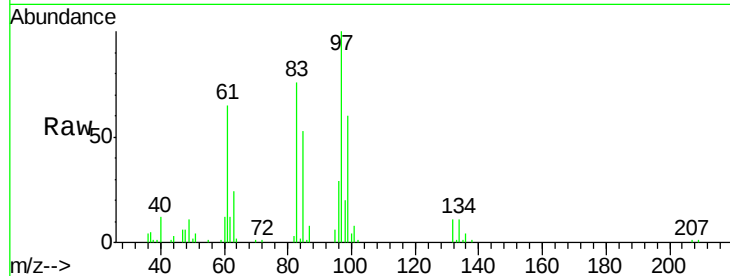
#55
 1,1,2-Trichloroethane
 Concen: 24.082 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion:	97	Resp:	62452
Ion	Ratio	Lower	Upper
97	100		
83	75.9	70.2	105.4
85	53.1	44.0	66.0
99	59.9	47.8	71.6

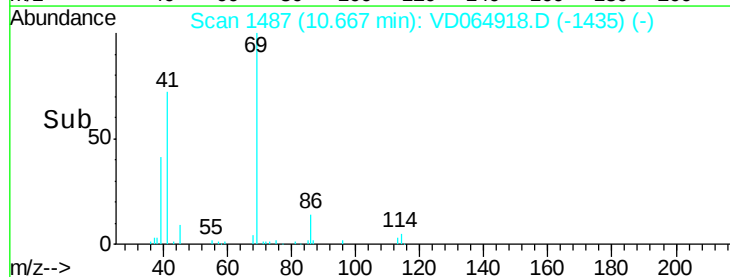
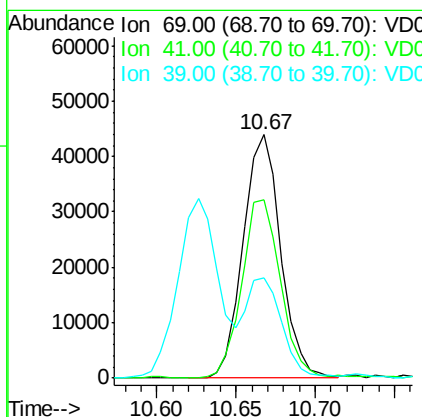
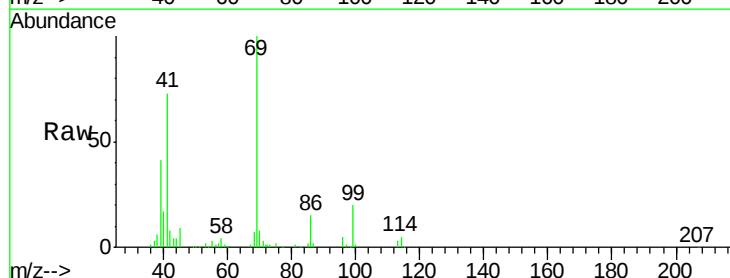
Manual Integrations
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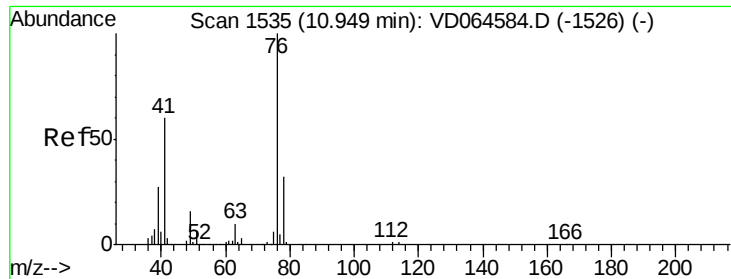
MMDadoda
 1/23/2020 11:13:43 AM



#56
 Ethyl methacrylate
 Concen: 22.338 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion:	69	Resp:	72347
Ion	Ratio	Lower	Upper
69	100		
41	75.9	55.3	82.9
39	38.3	33.8	50.8





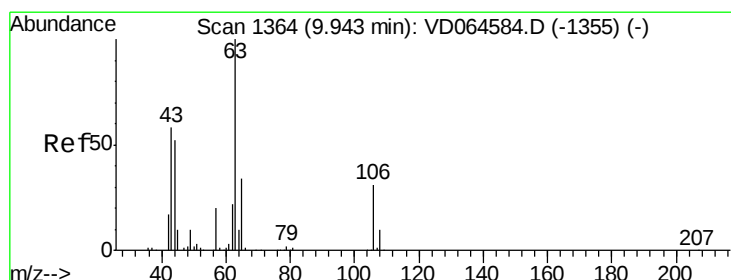
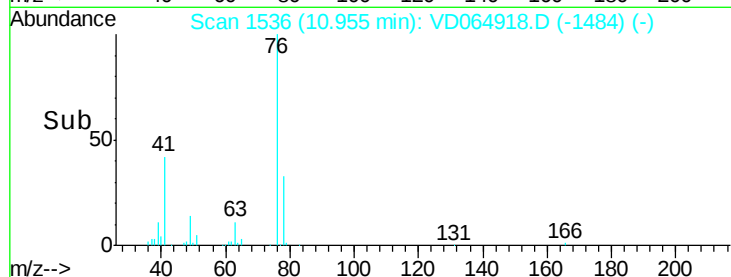
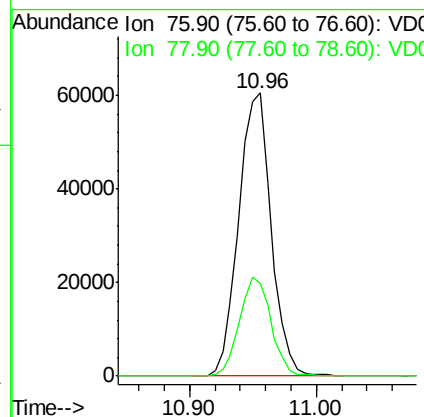
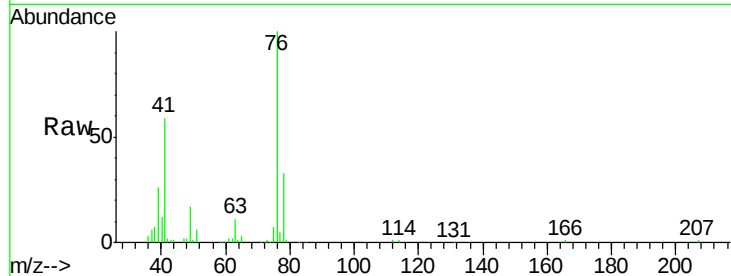
#57
 1,3-Dichloropropane
 Concen: 24.033 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion: 76 Resp: 107311
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.4

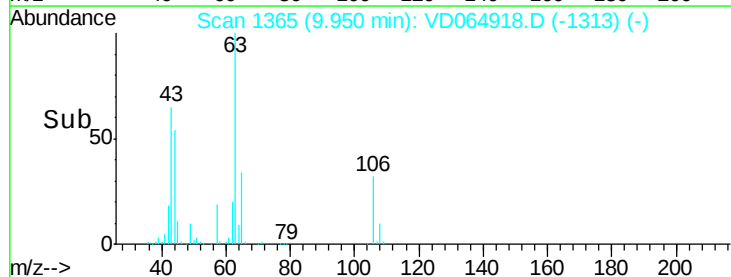
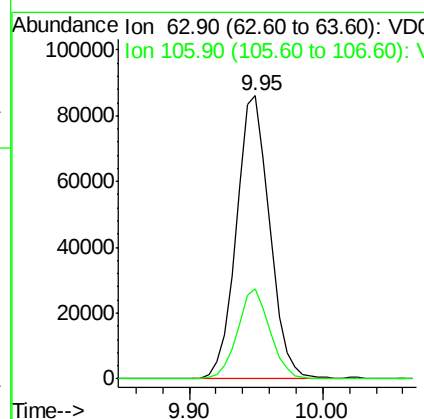
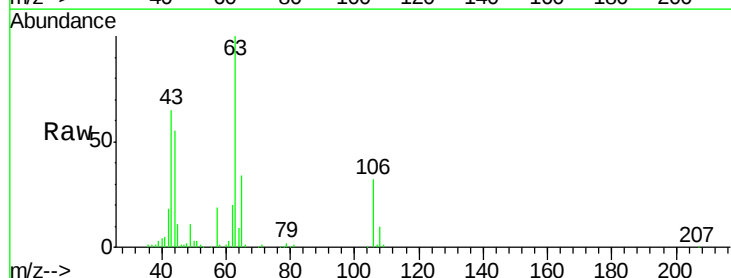
Manual Integrations
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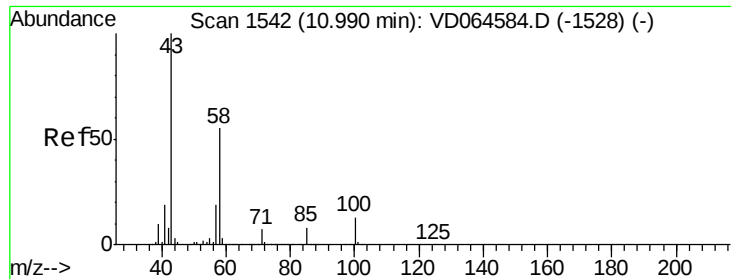
MMDadoda
 1/23/2020 11:13:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.900 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion: 63 Resp: 149183
 Ion Ratio Lower Upper
 63 100
 106 30.9 23.8 35.8





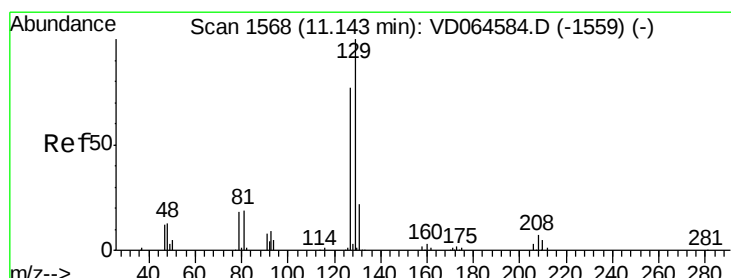
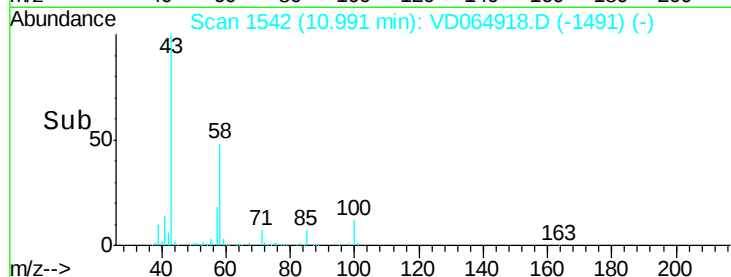
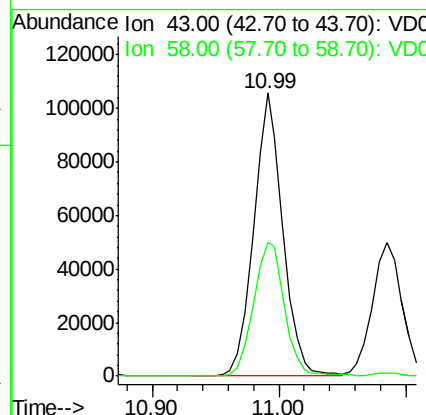
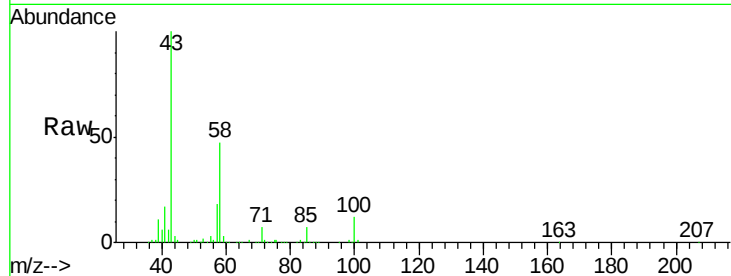
#59
2-Hexanone
Concen: 121.145 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion: 43 Resp: 168281
Ion Ratio Lower Upper
43 100
58 50.4 26.4 79.0

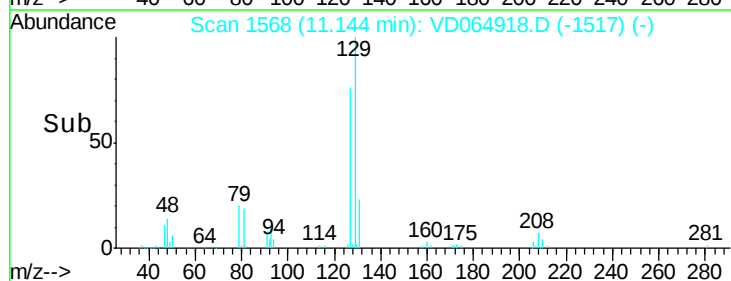
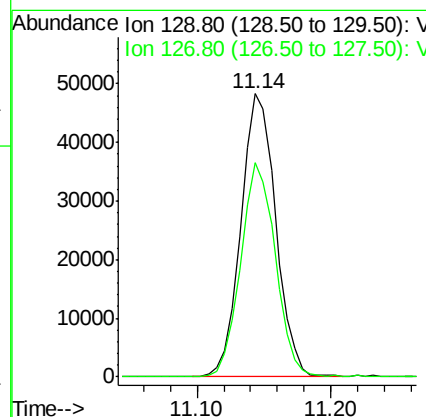
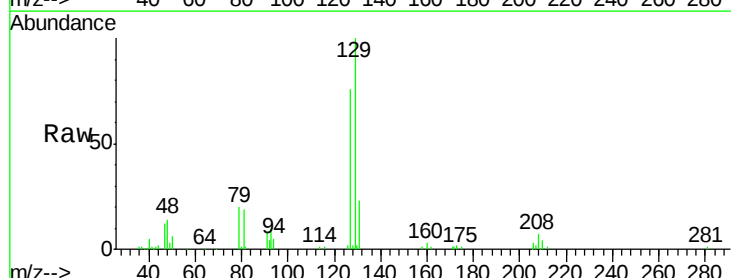
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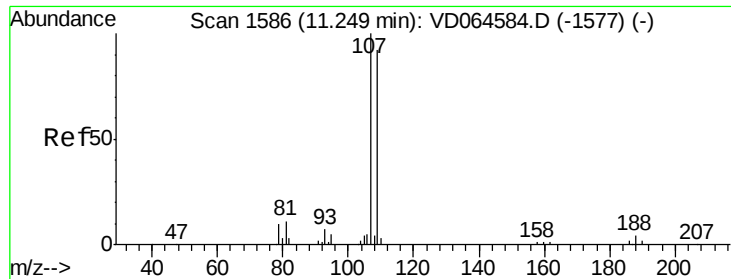
MMDadoda
1/23/2020 11:13:43 AM



#60
Dibromochloromethane
Concen: 24.294 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion: 129 Resp: 87125
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.2





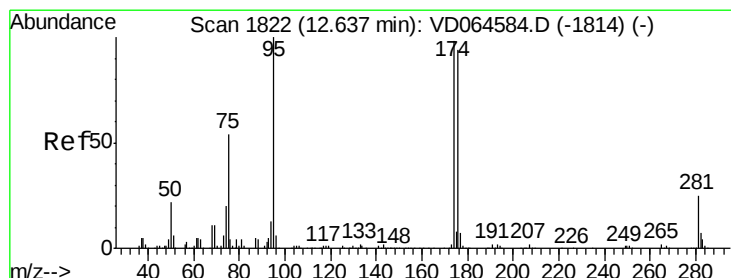
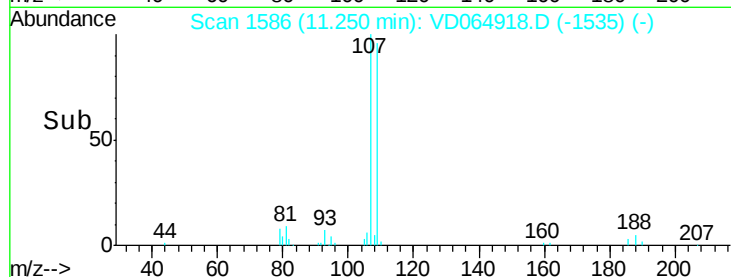
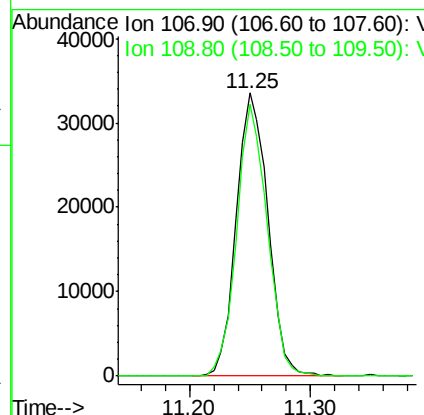
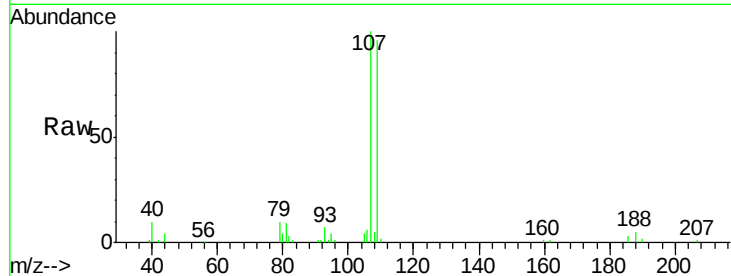
#61
 1,2-Dibromoethane
 Concen: 23.931 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.6	113.4

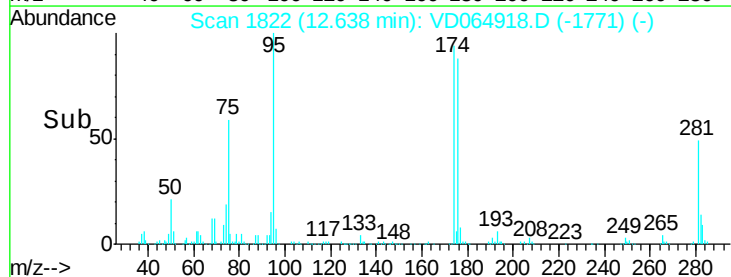
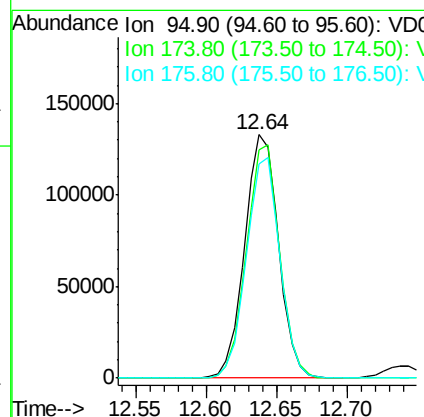
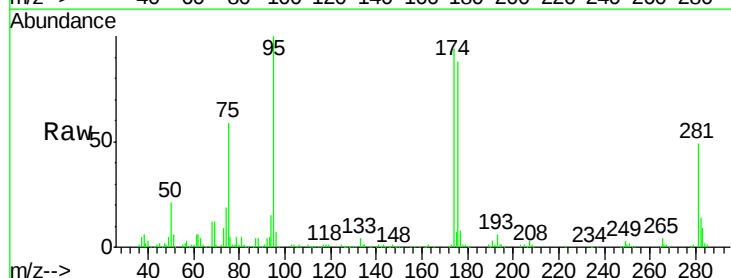
Manual Integrations
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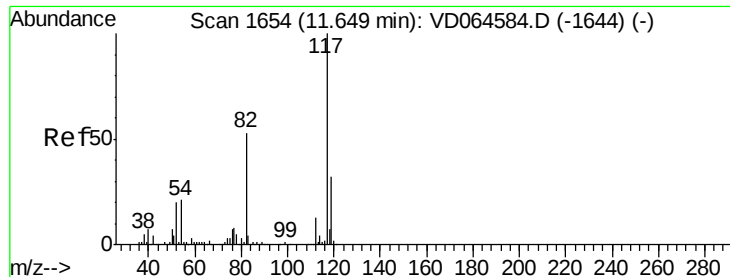
MMDadoda
 1/23/2020 11:13:43 AM



#62
 4-Bromofluorobenzene
 Concen: 54.729 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	193.2
176	89.5	0.0	184.2





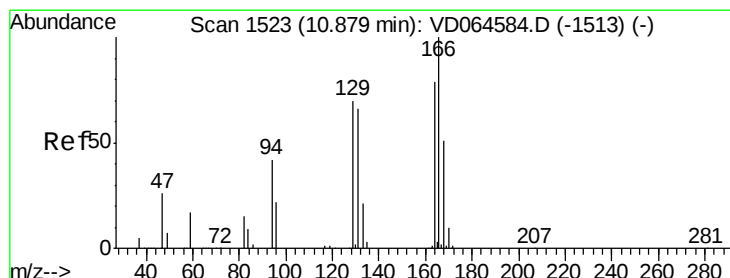
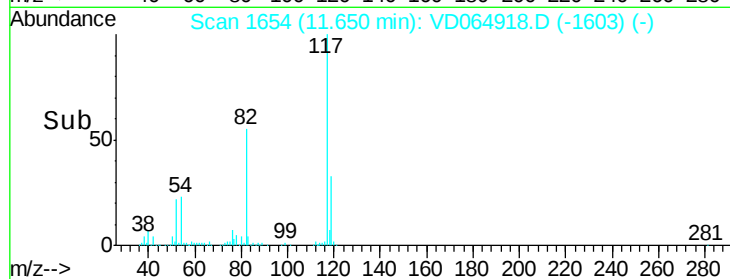
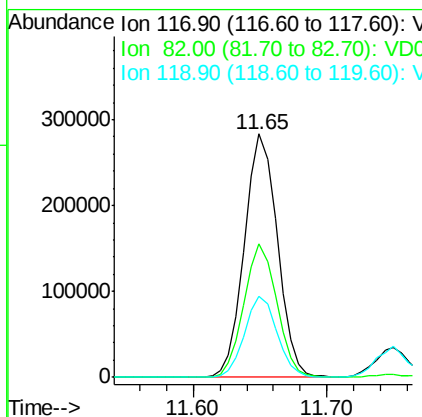
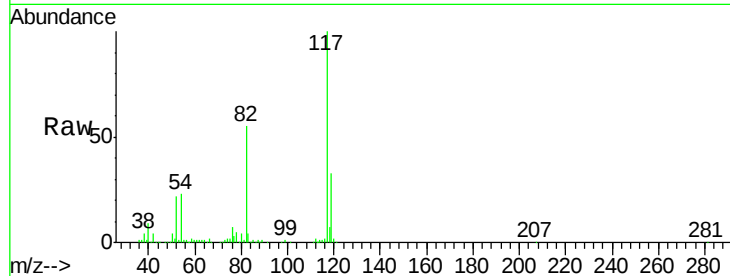
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.2	63.4
119	33.4	26.0	39.0

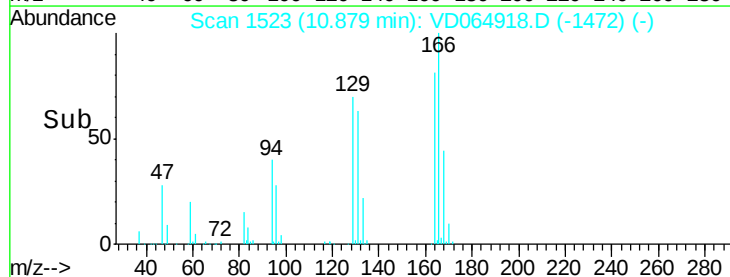
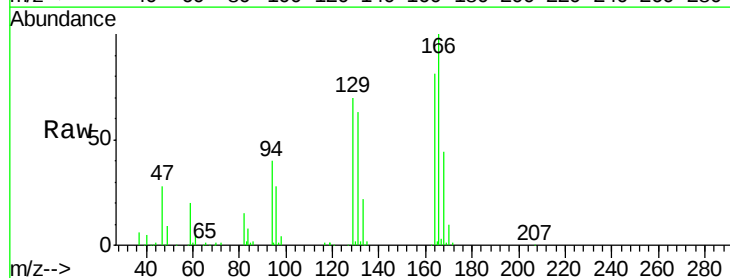
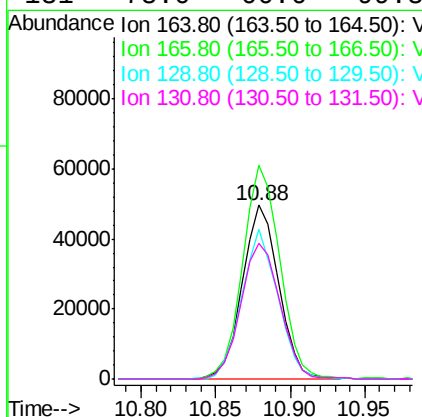
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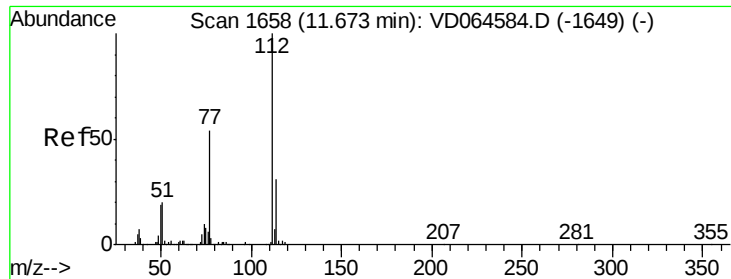
MMDadoda
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#64
Tetrachloroethene
Concen: 22.577 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	101.3	151.9
129	86.2	70.5	105.7
131	78.0	66.6	99.8





#65

Chlorobenzene

Concen: 23.480 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:112 Resp: 236240

Ion Ratio Lower Upper

112 100

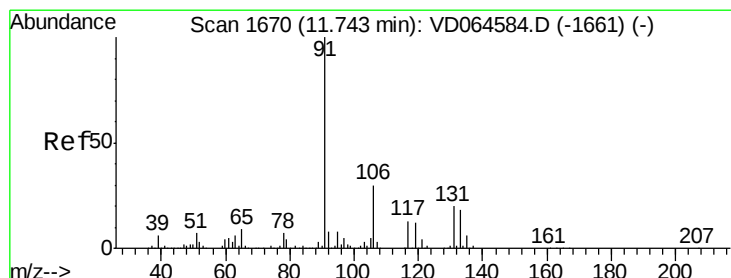
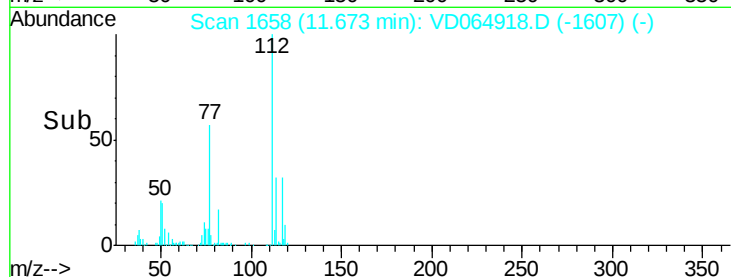
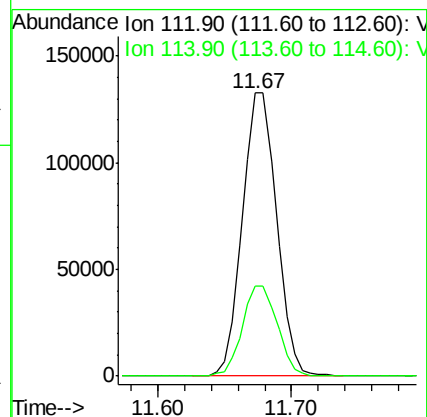
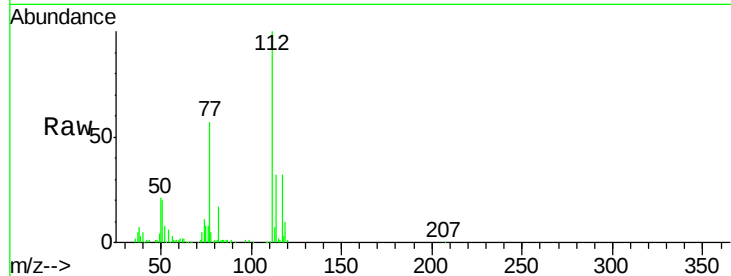
114 31.7 24.8 37.2

Manual Integrations

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MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.644 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

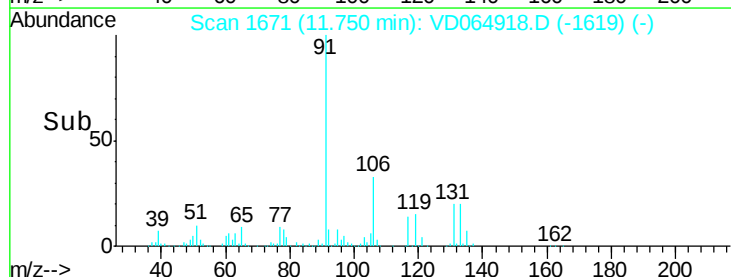
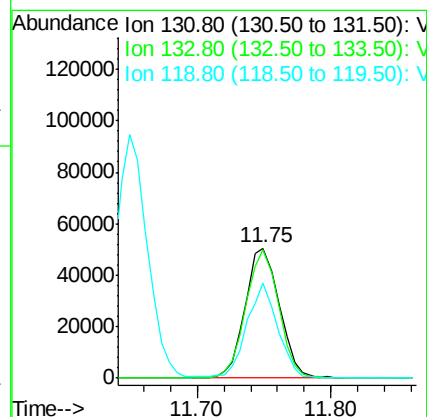
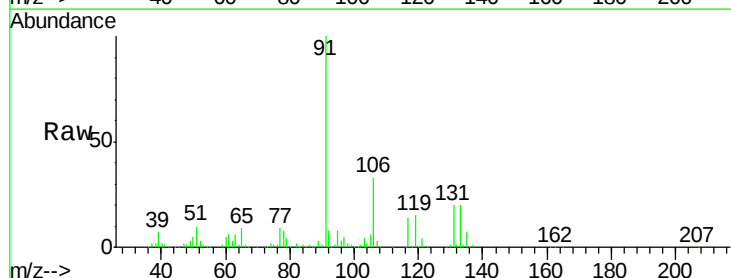
Tgt Ion:131 Resp: 89681

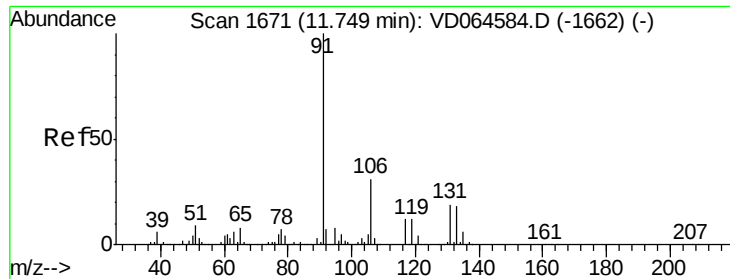
Ion Ratio Lower Upper

131 100

133 95.0 48.3 144.8

119 66.0 32.1 96.3





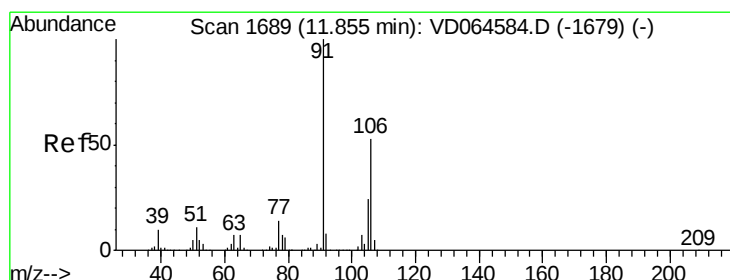
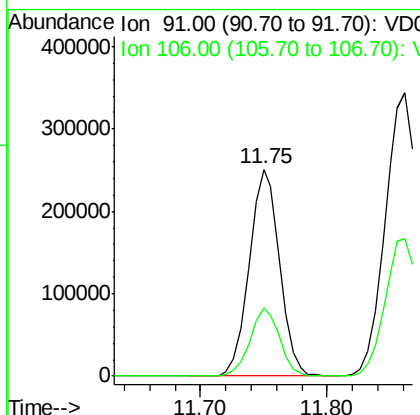
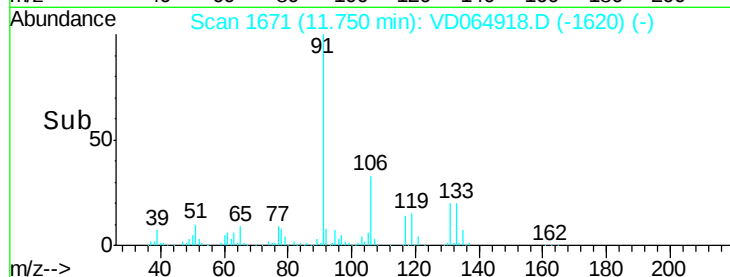
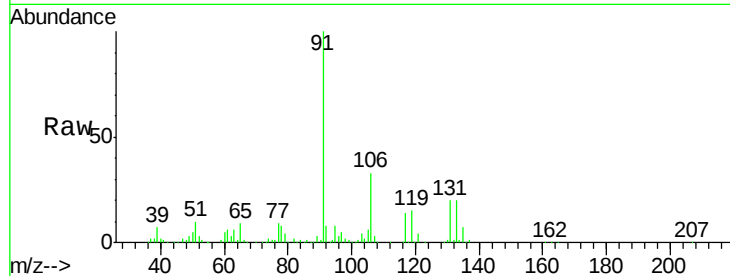
#67
Ethyl Benzene
Concen: 22.875 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion: 91 Resp: 417747
Ion Ratio Lower Upper
91 100
106 32.8 24.6 36.8

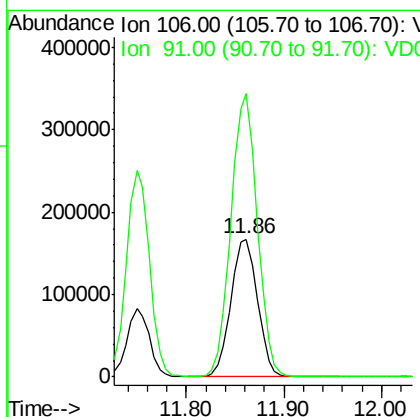
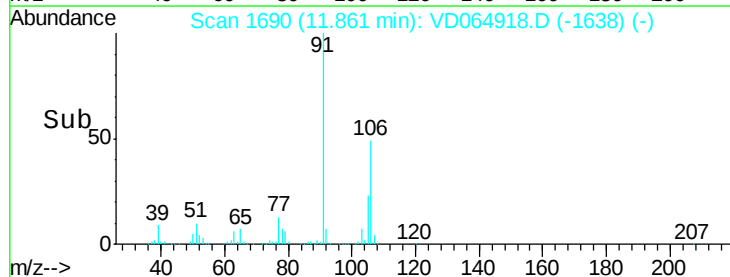
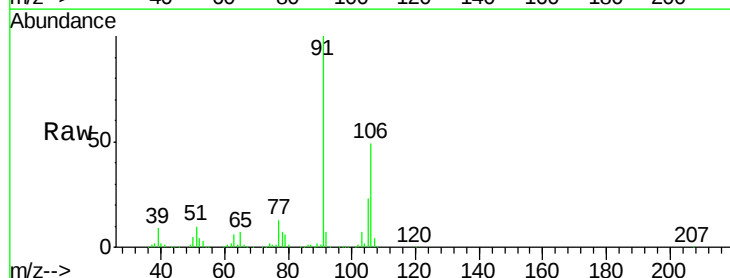
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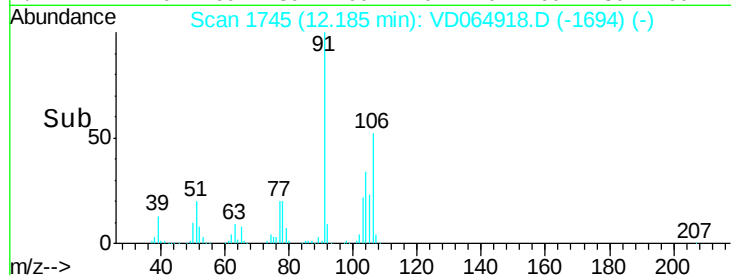
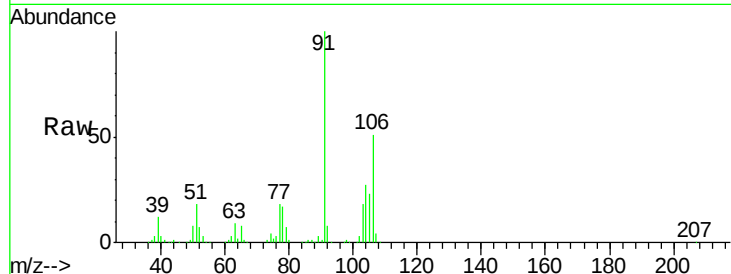
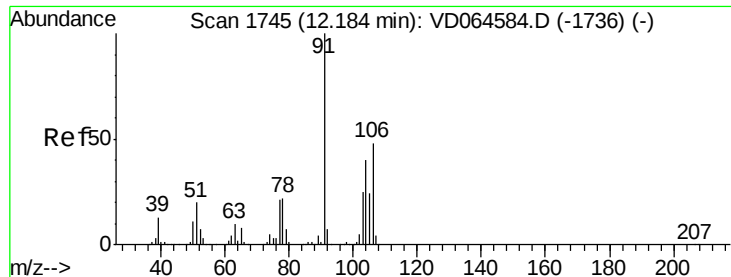
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#68
m/p-Xylenes
Concen: 45.235 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion: 106 Resp: 318854
Ion Ratio Lower Upper
106 100
91 202.3 156.3 234.5





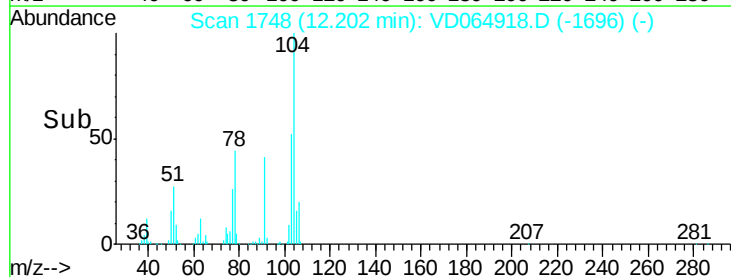
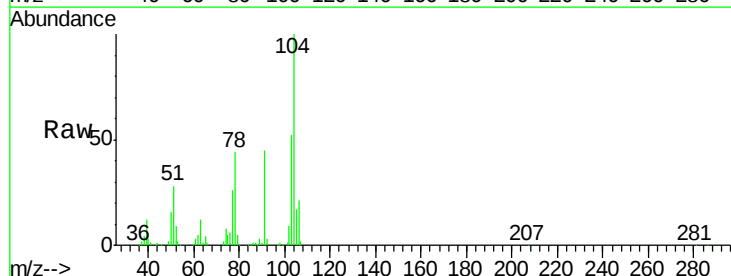
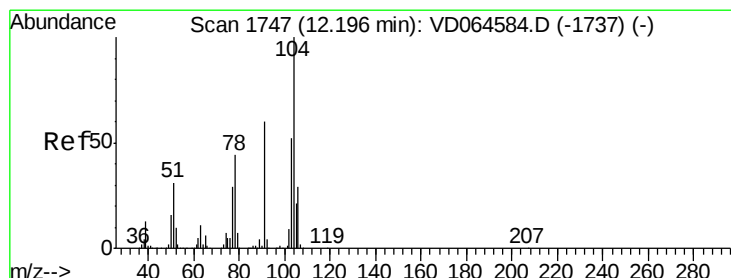
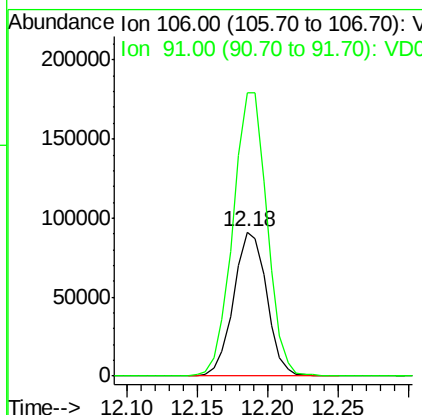
#69
o-Xylene
Concen: 23.406 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		149023		
91	203.4	104.8	314.4		

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

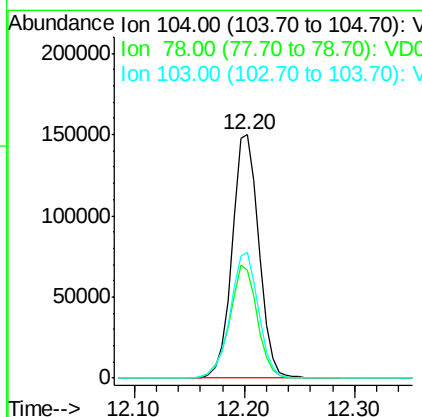
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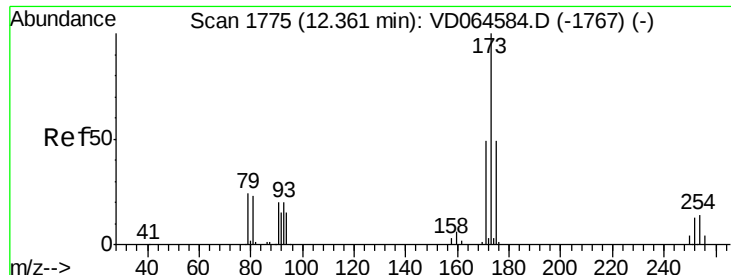
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#70
Styrene
Concen: 22.851 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		255372		
78	47.9	38.2	57.2		
103	54.4	44.6	67.0		





#71

Bromoform

Concen: 23.379 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:173 Resp: 50570

Ion Ratio Lower Upper

173 100

175 50.2 24.6 73.8

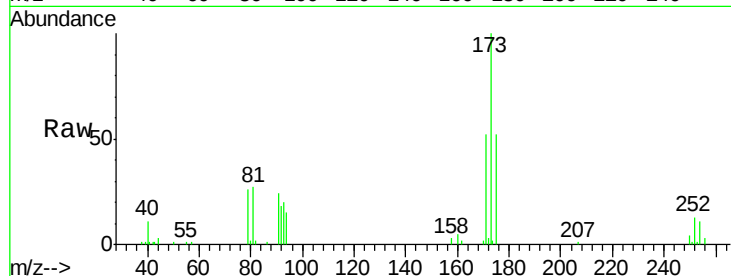
254 0.0 0.1 0.1#

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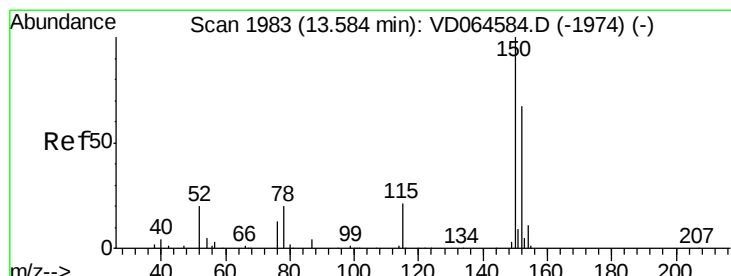
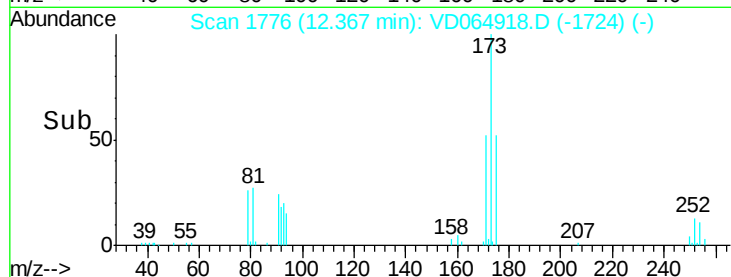
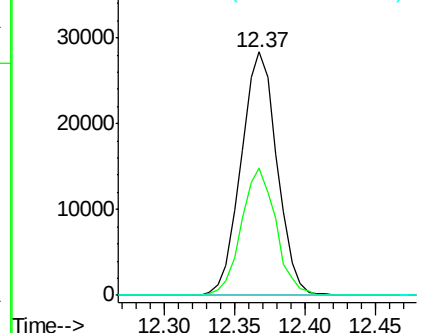
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064918.D

Acq: 22 Jan 2020 15:40

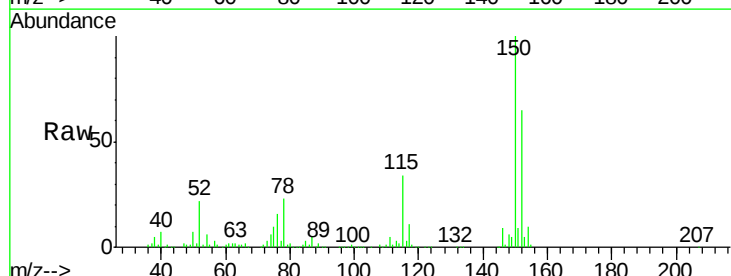
Tgt Ion:152 Resp: 242433

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

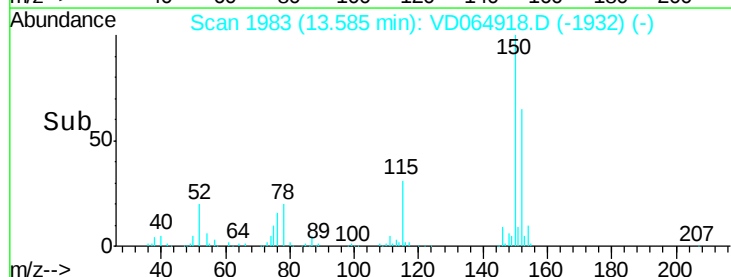
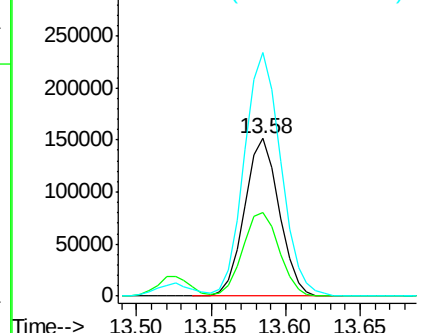
150 164.3 0.0 351.4

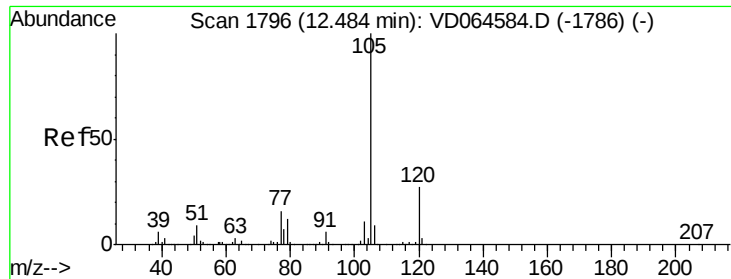


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.932 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 105 Resp: 397290

Ion Ratio Lower Upper

105 100

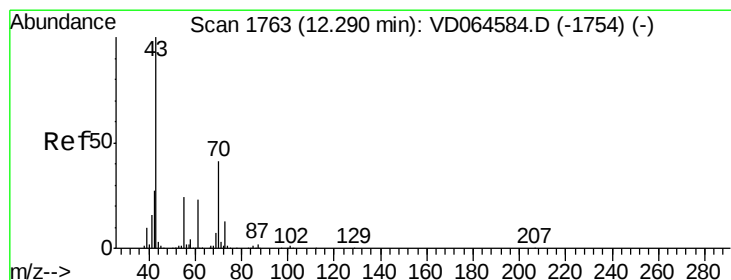
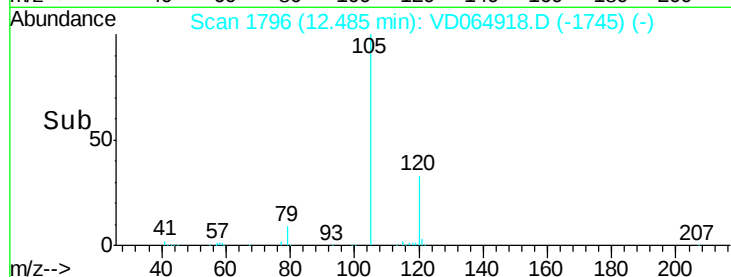
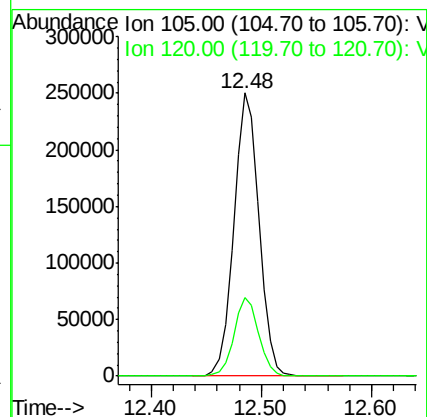
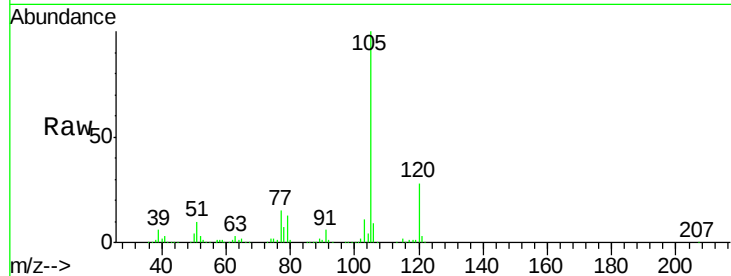
120 27.4 13.5 40.5

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#74

N-ethyl acetate

Concen: 22.978 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion: 43 Resp: 85096

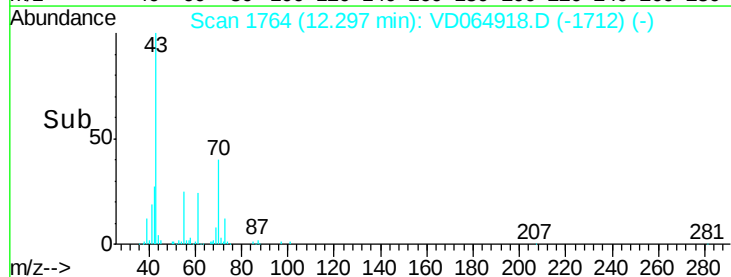
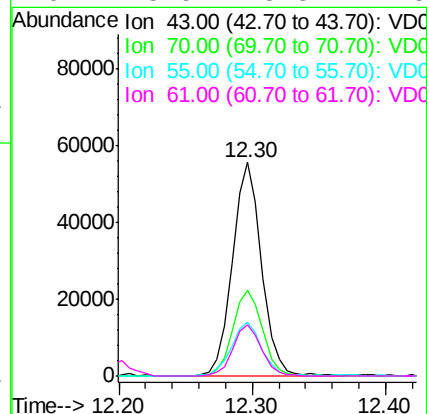
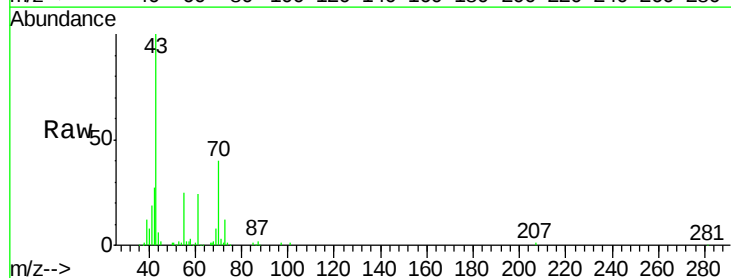
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 26.6 19.4 29.0

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.505 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

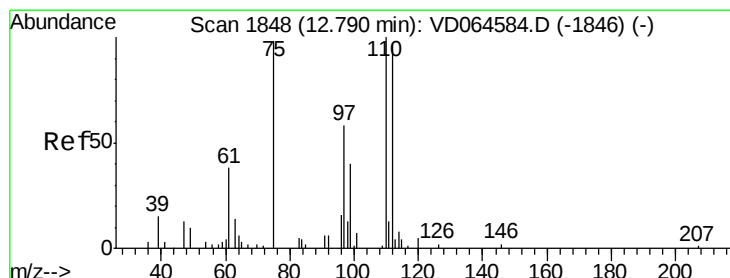
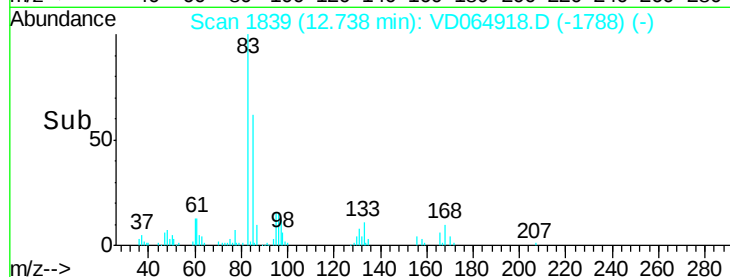
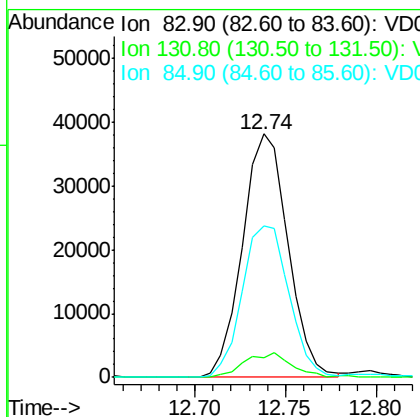
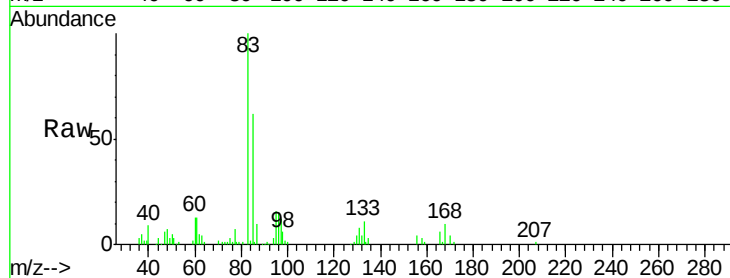
ClientSampleId :

VD0122SBS01

Tot Ion:	83	Resp:	66692
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.4
85	63.9	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 23.833 ug/l m

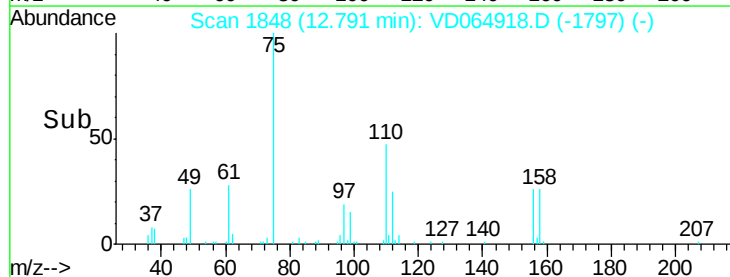
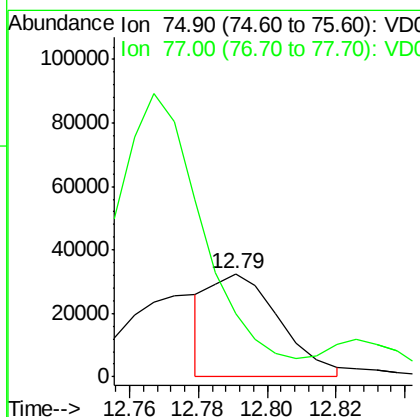
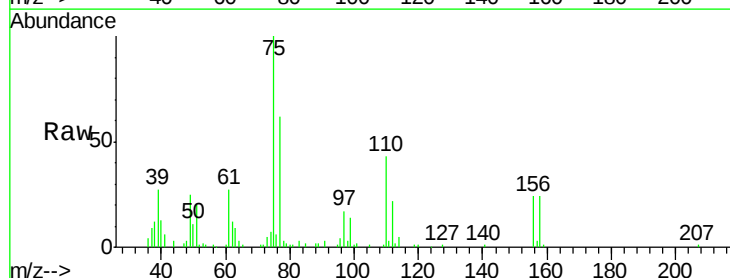
RT: 12.79 min Scan# 1848

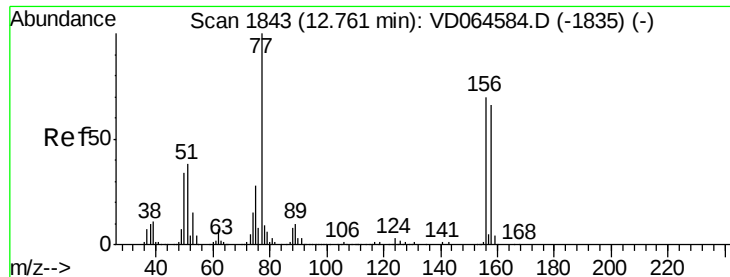
Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion:	75	Resp:	45625
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.306 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Instrument :

MSVOA_D

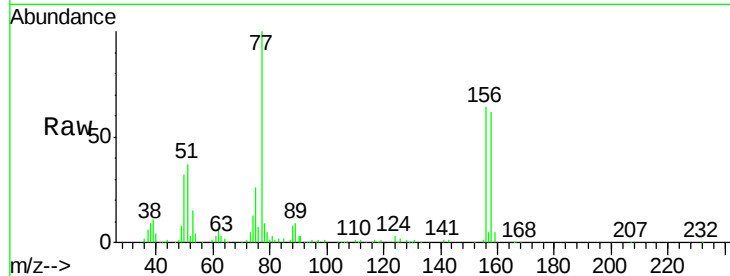
ClientSampleId :

VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.6	80.9	242.7
158	94.5	48.0	144.2

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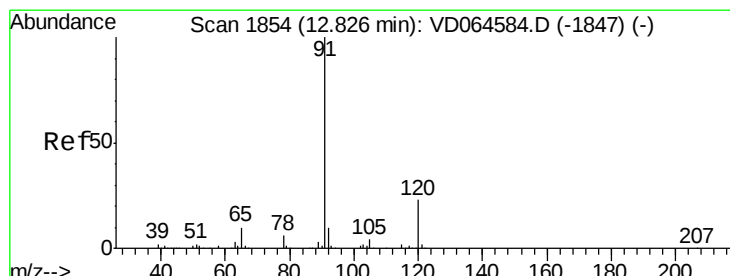
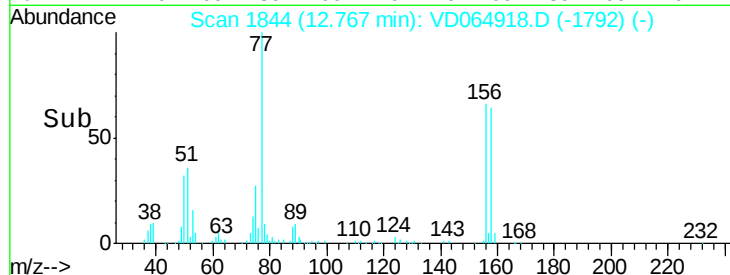
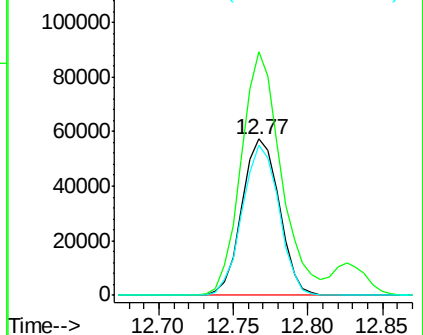
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.665 ug/l

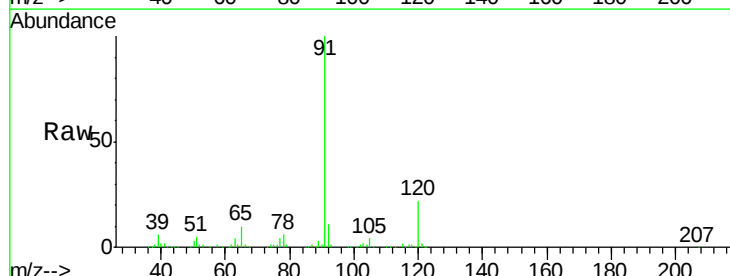
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064918.D

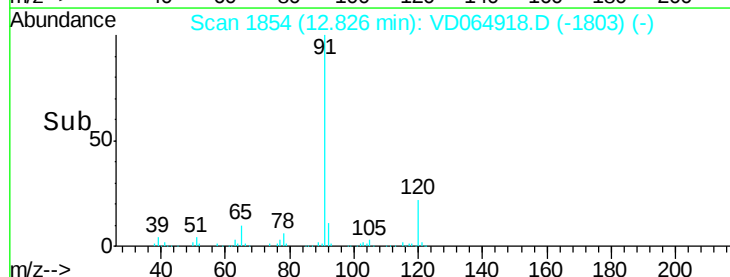
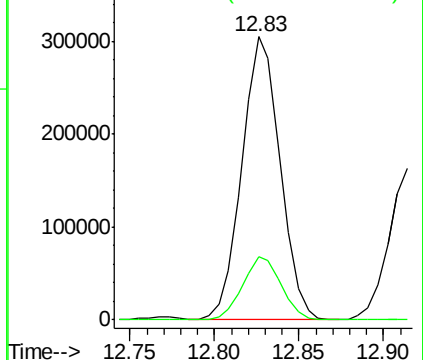
Acq: 22 Jan 2020 15:40

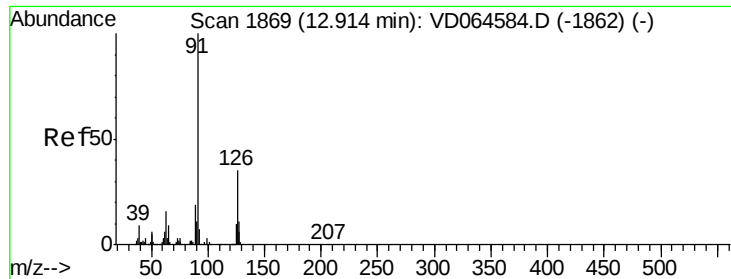
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





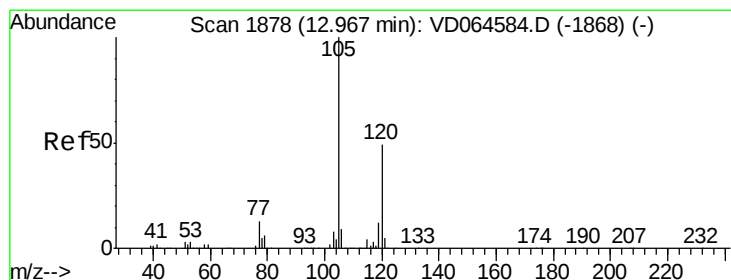
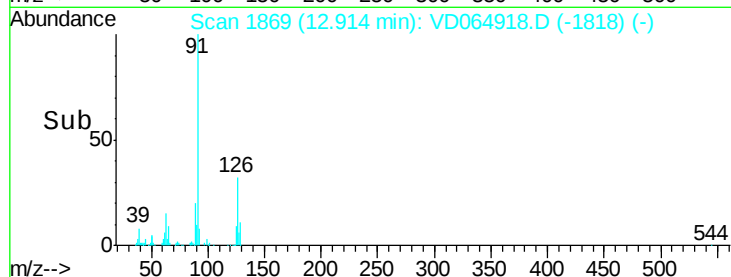
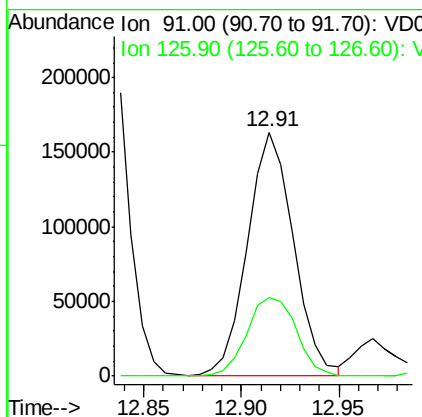
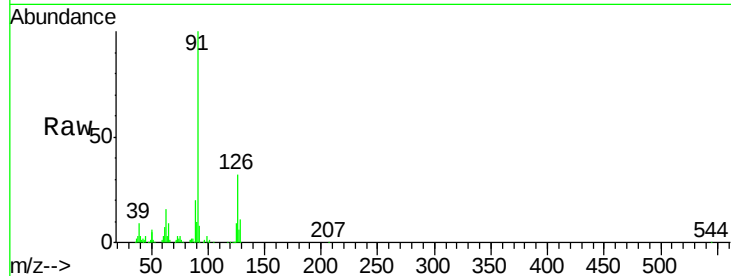
#79
2-Chlorotoluene
Concen: 23.986 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.5

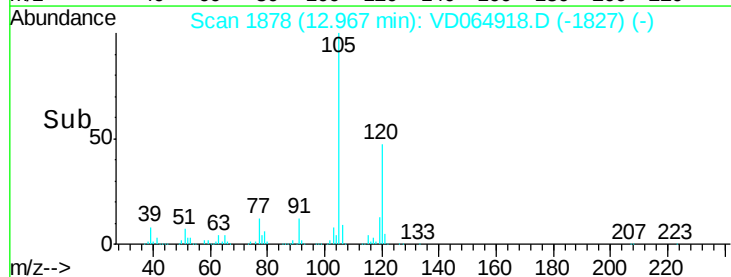
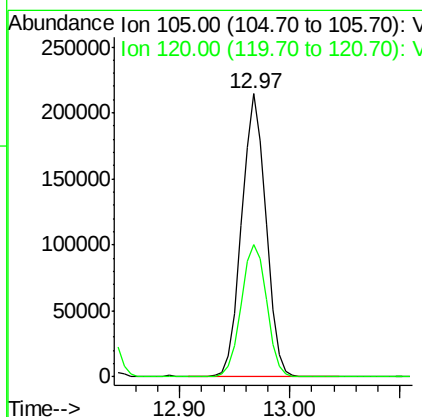
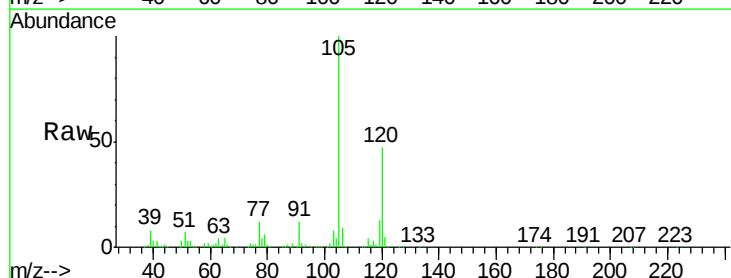
Manual Integrations
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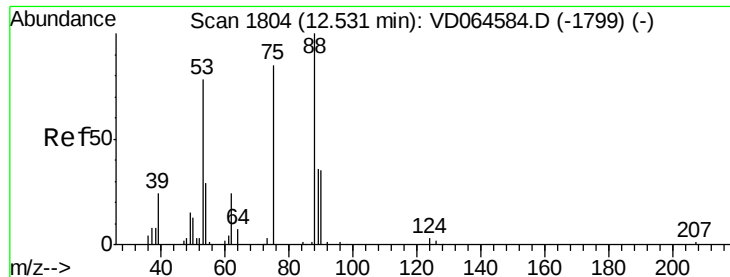
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#80
1,3,5-Trimethylbenzene
Concen: 23.362 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	25.0	75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.214 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064918.D

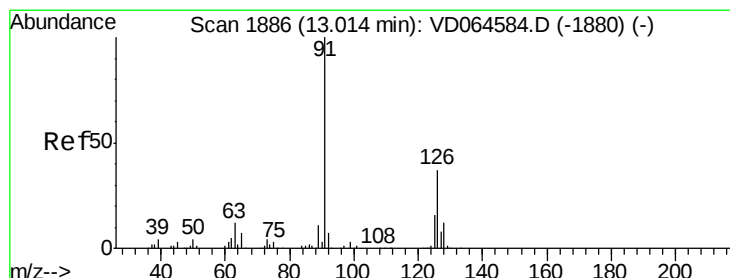
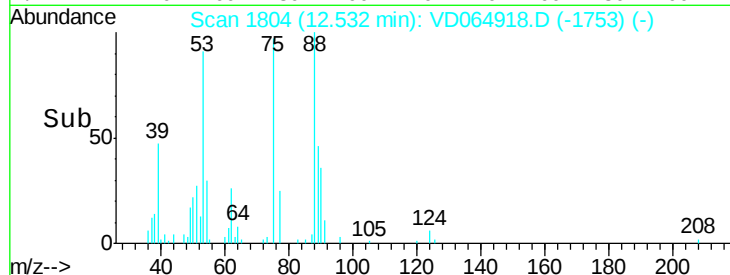
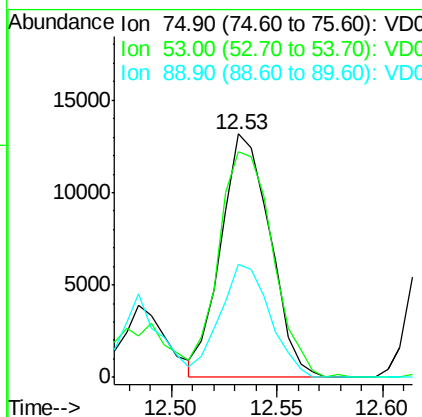
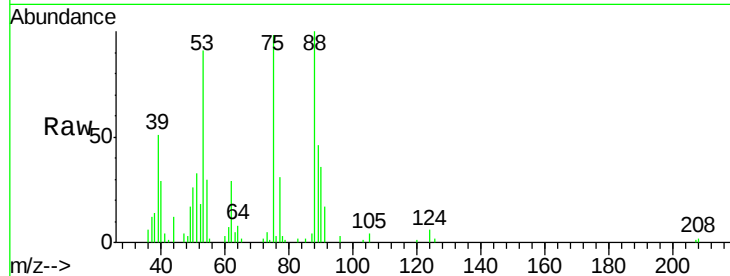
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.2	78.8	118.2
89	47.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 23.443 ug/l

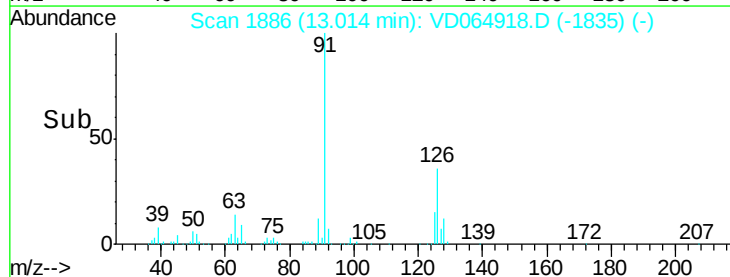
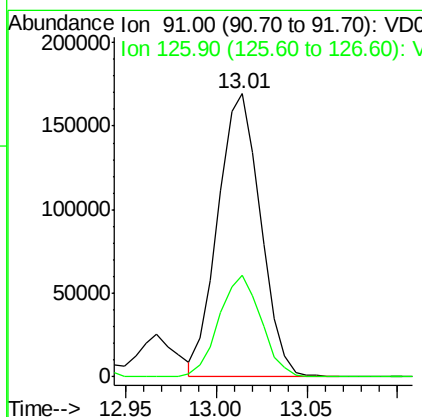
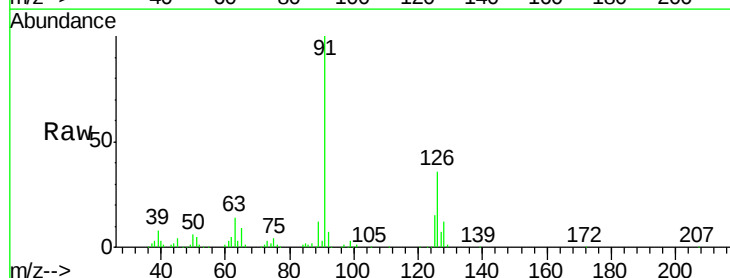
RT: 13.01 min Scan# 1886

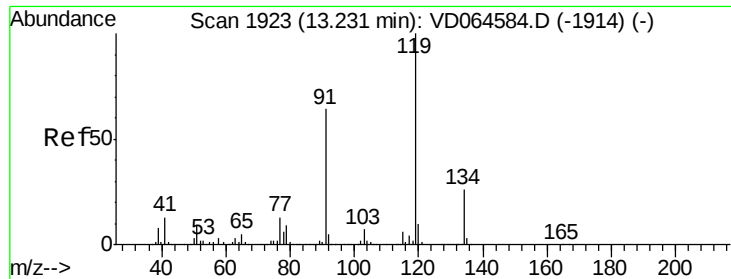
Delta R.T. 0.00 min

Lab File: VD064918.D

Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





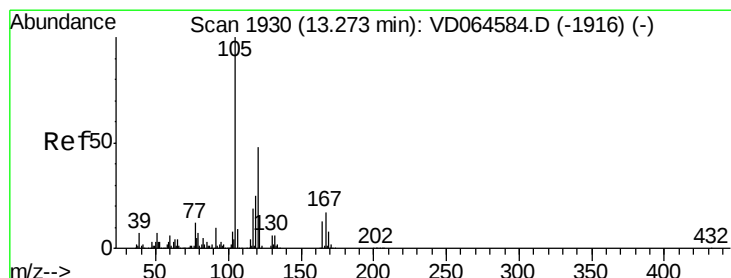
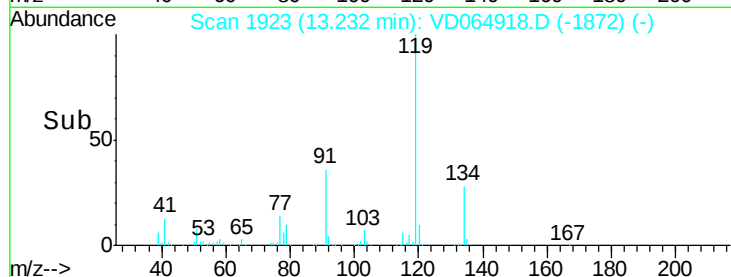
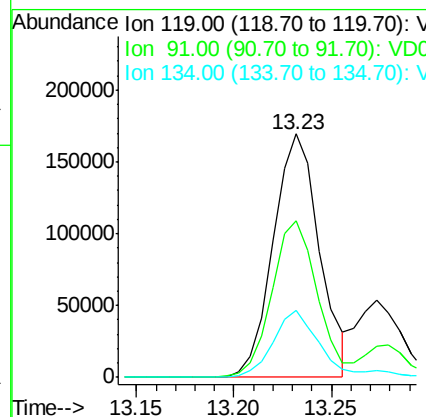
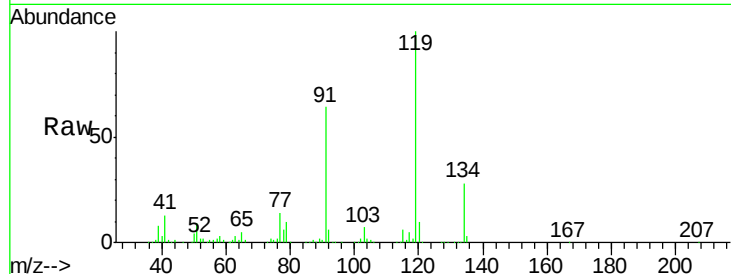
#83
tert-Butylbenzene
Concen: 22.482 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	26.5	12.8	38.3

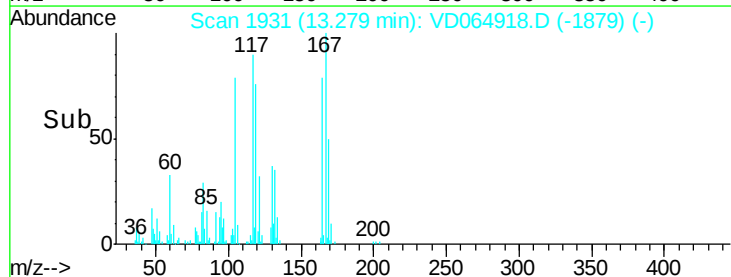
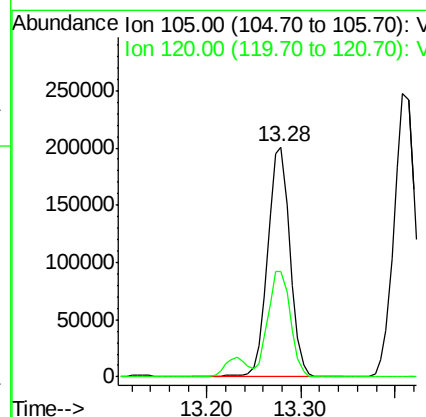
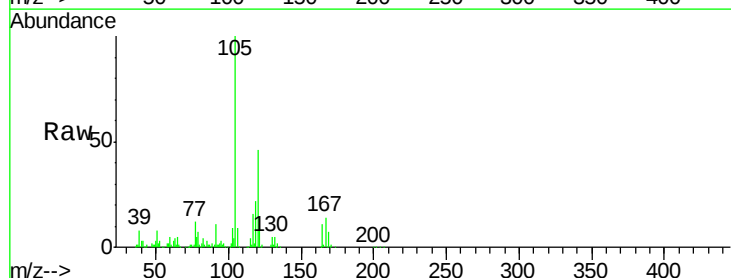
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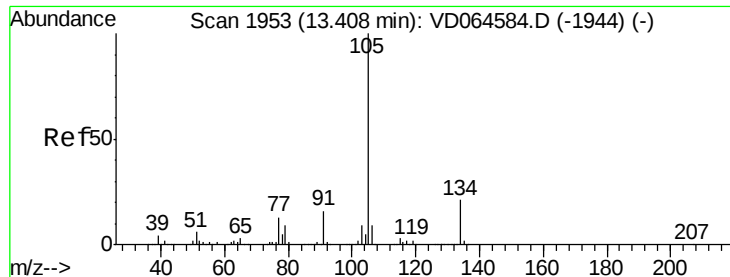
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#84
1,2,4-Trimethylbenzene
Concen: 23.161 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.2





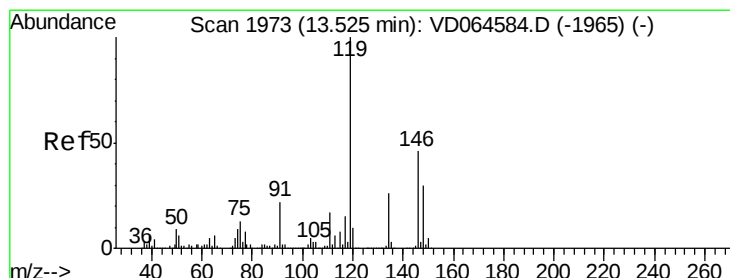
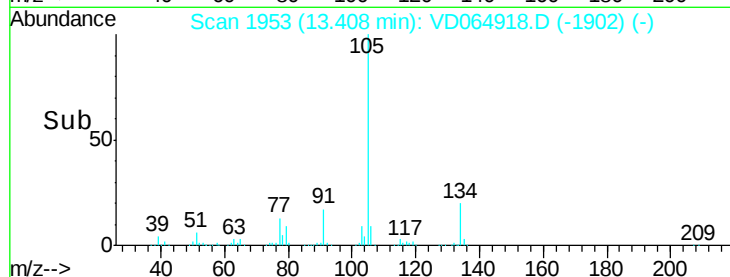
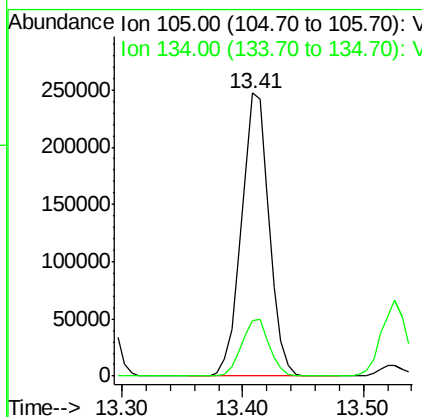
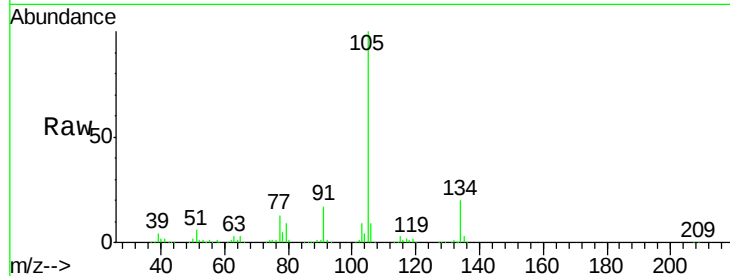
#85
 sec-Butylbenzene
 Concen: 23.304 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.6	31.8

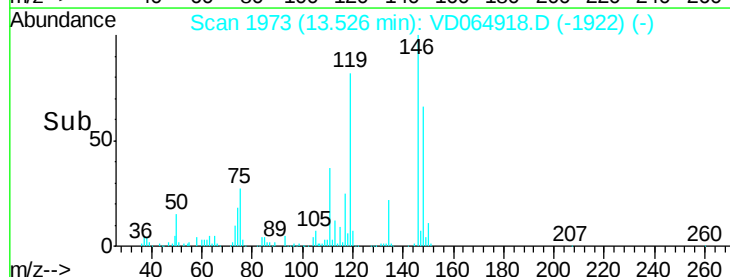
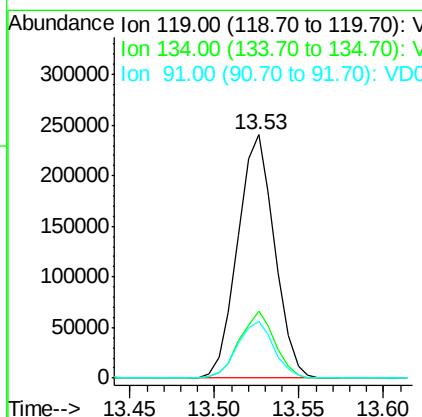
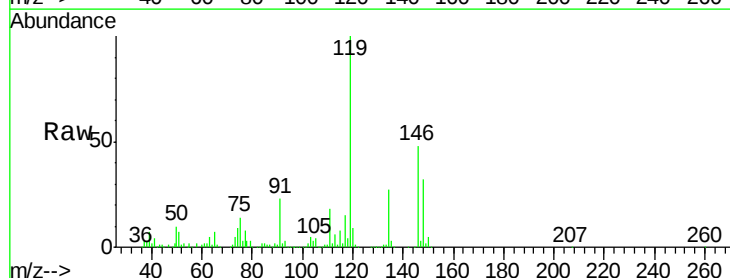
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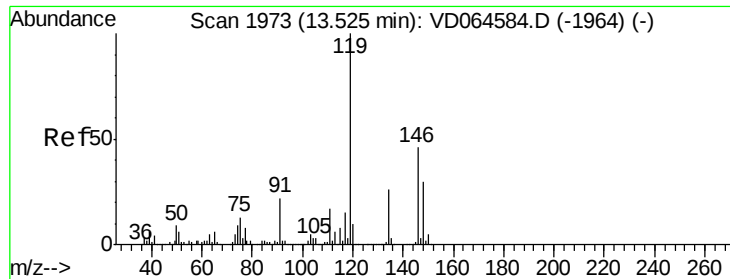
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#86
 p-Isopropyltoluene
 Concen: 22.585 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	22.9	11.2	33.6





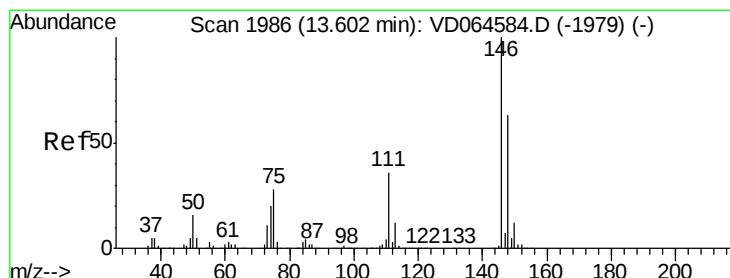
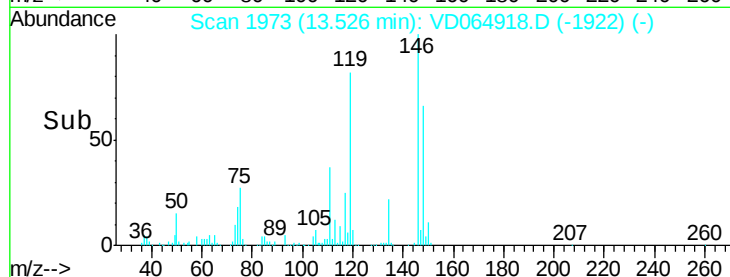
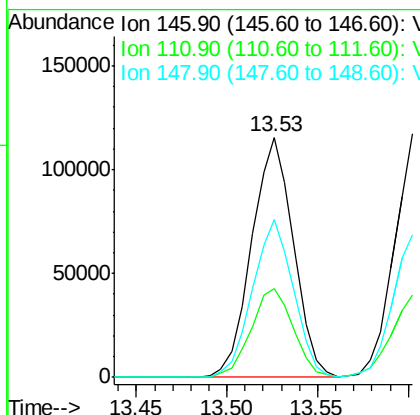
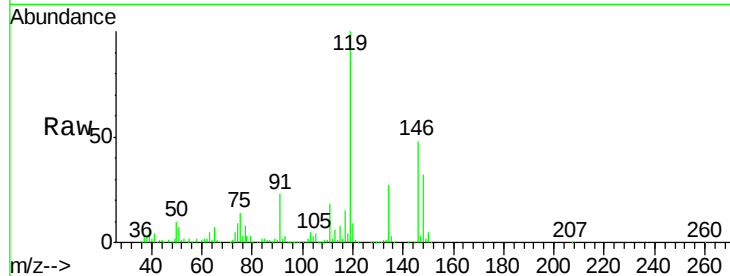
#87
 1,3-Dichlorobenzene
 Concen: 22.732 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.4	32.5	97.5

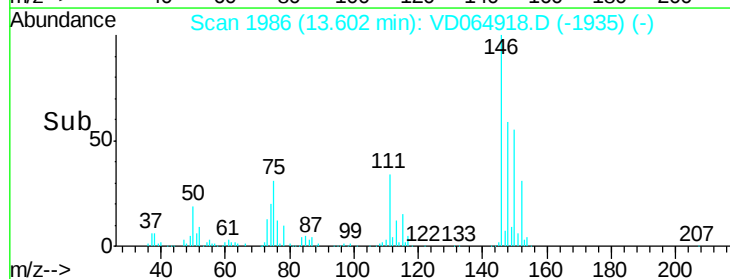
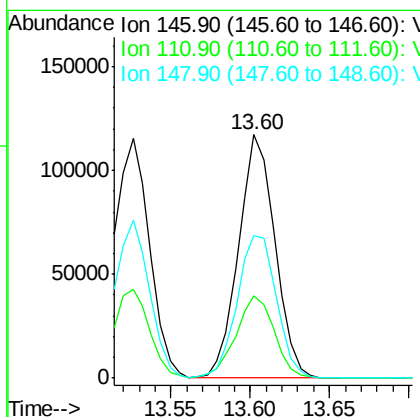
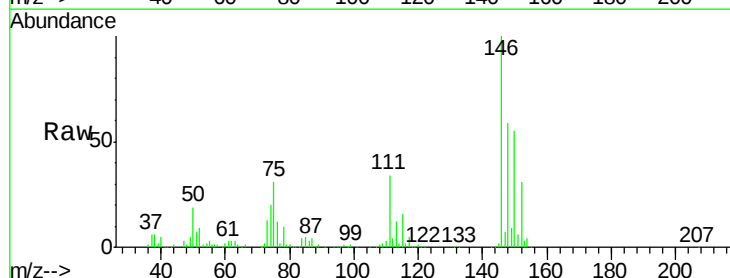
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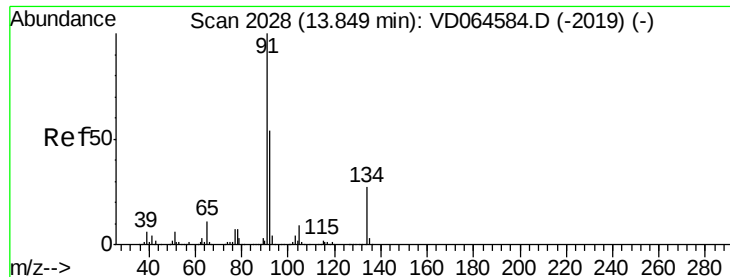
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#88
 1,4-Dichlorobenzene
 Concen: 23.511 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	63.3	32.3	96.9





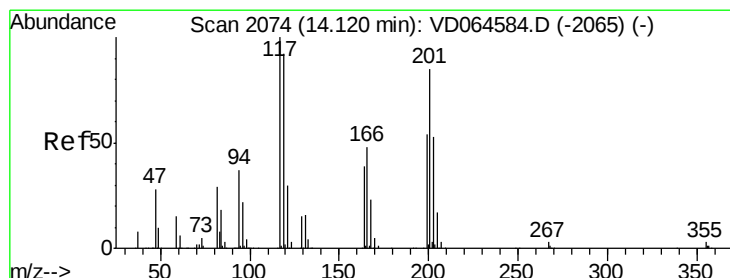
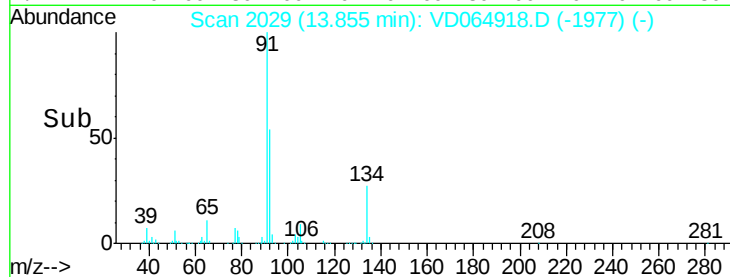
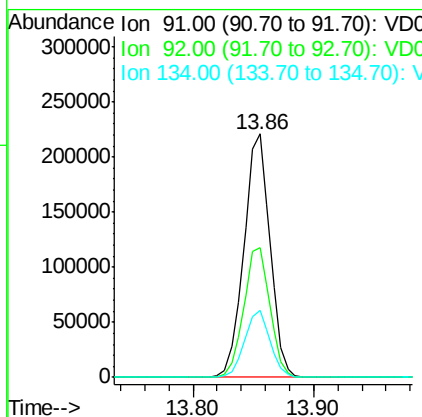
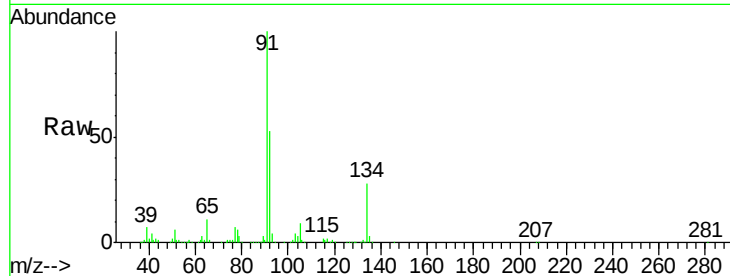
#89
n-Butylbenzene
Concen: 22.893 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	26.8	14.0	41.9

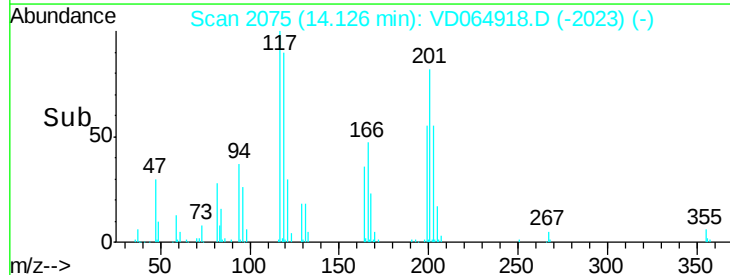
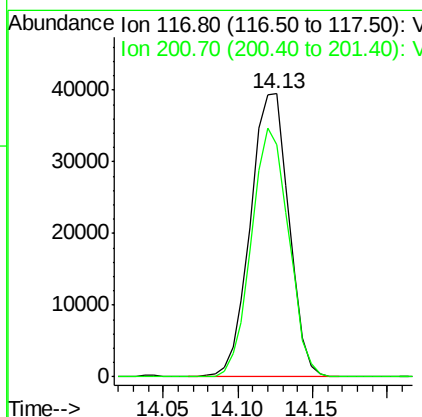
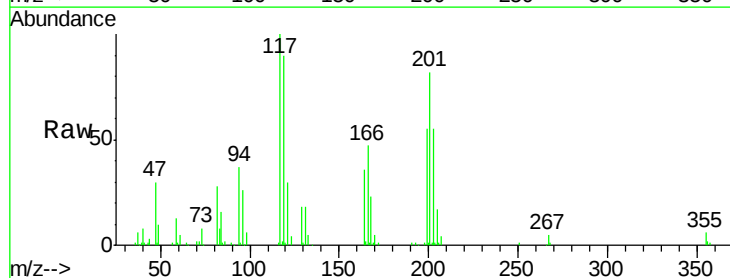
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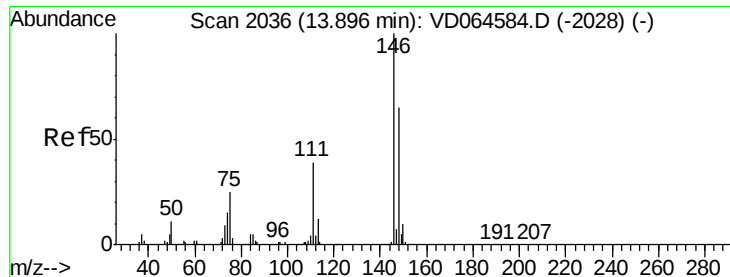
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#90
Hexachloroethane
Concen: 22.767 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	44.0	131.8





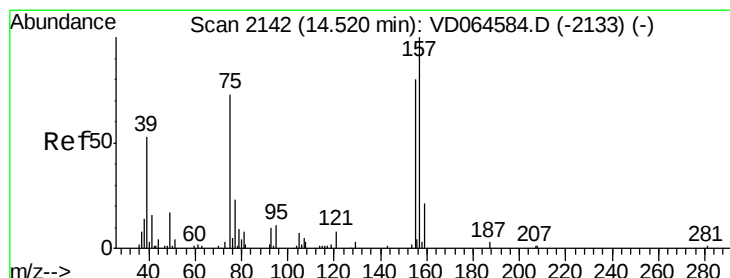
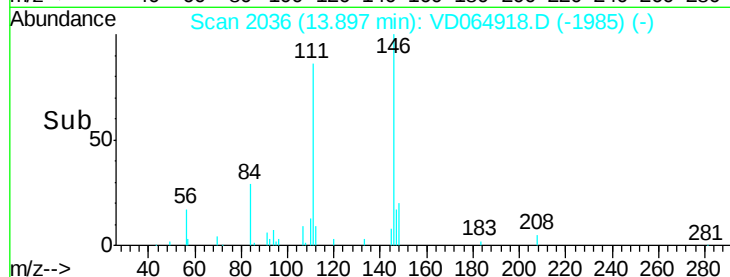
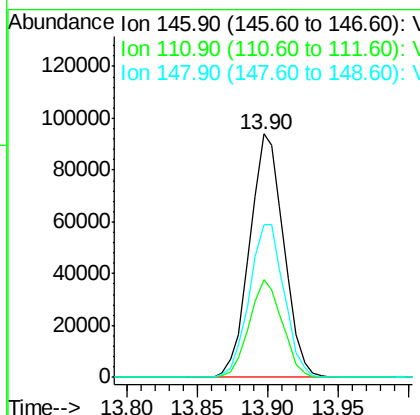
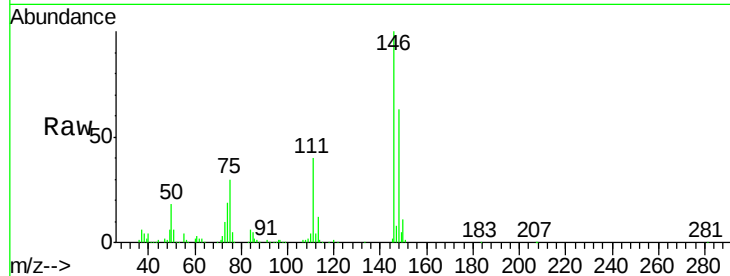
#91
 1,2-Dichlorobenzene
 Concen: 23.059 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.2	31.9	95.5

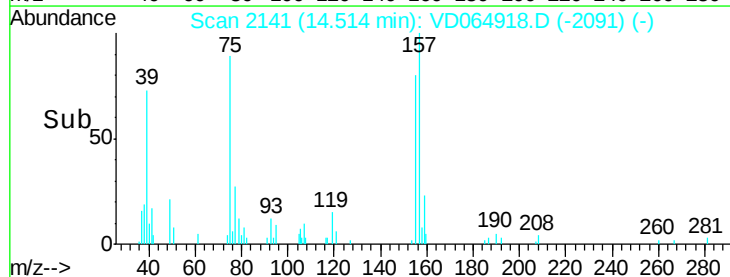
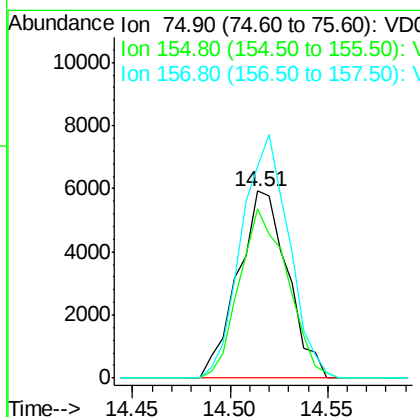
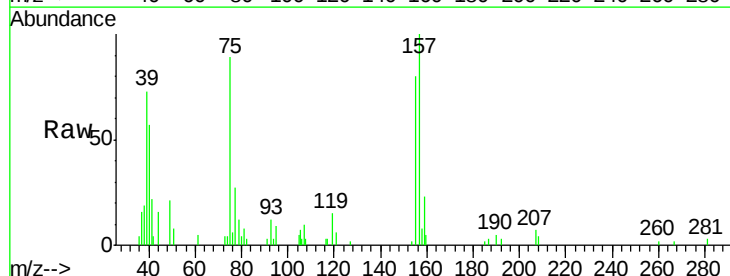
Manual Integrations
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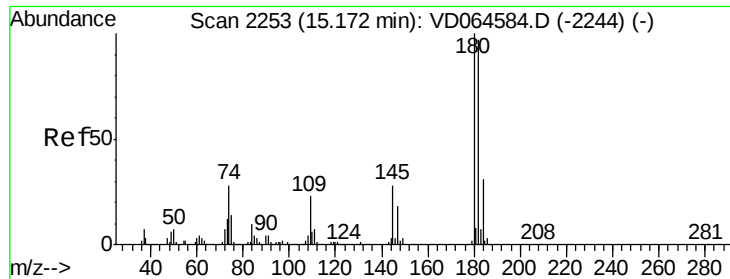
MMDadoda
 1/23/2020 11:13:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.672 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	48.0	144.0
157	124.2	64.1	192.3





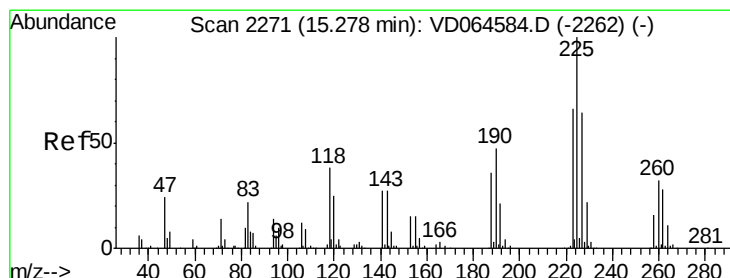
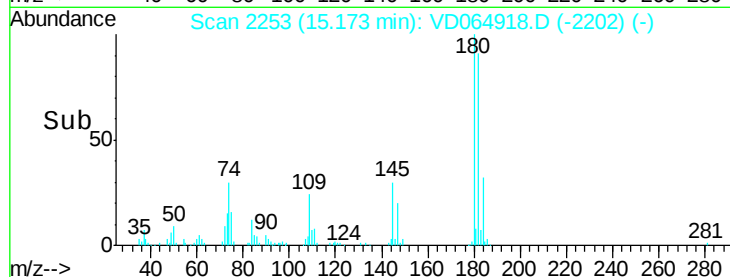
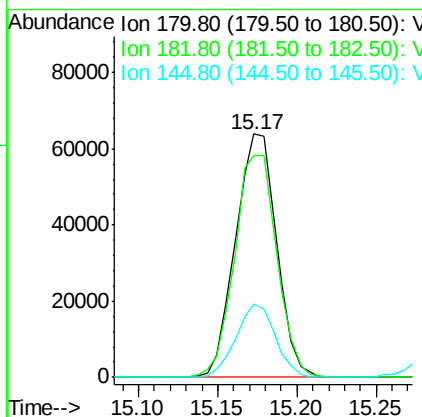
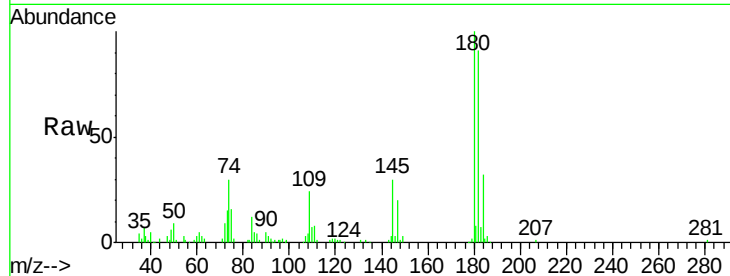
#93
 1,2,4-Trichlorobenzene
 Concen: 22.522 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	48.0	144.2	
145	28.9	13.8	41.4	

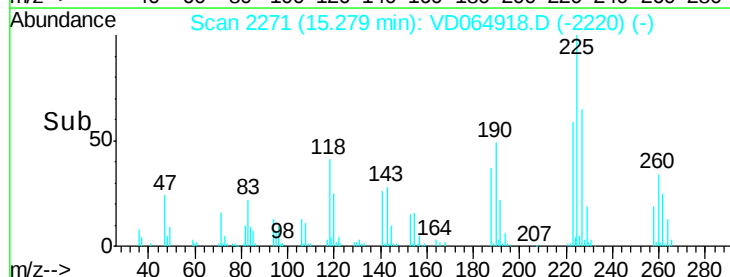
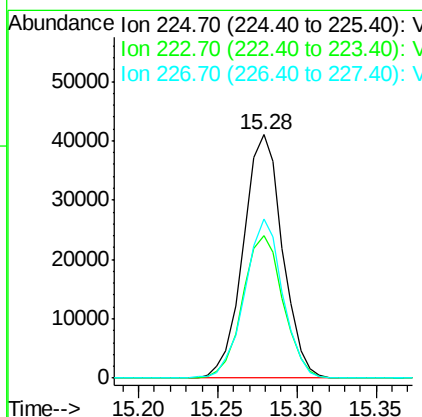
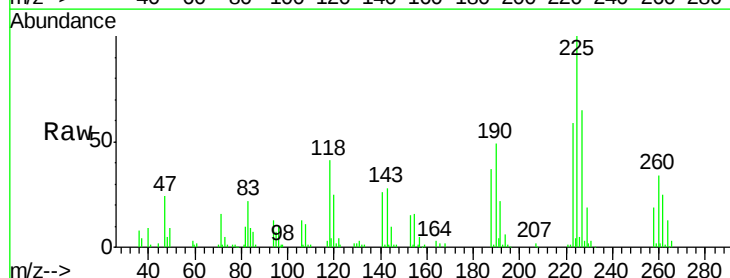
Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:43 AM



#94
 Hexachlorobutadiene
 Concen: 21.968 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064918.D
 Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	31.1	93.2	
227	63.5	30.9	92.7	





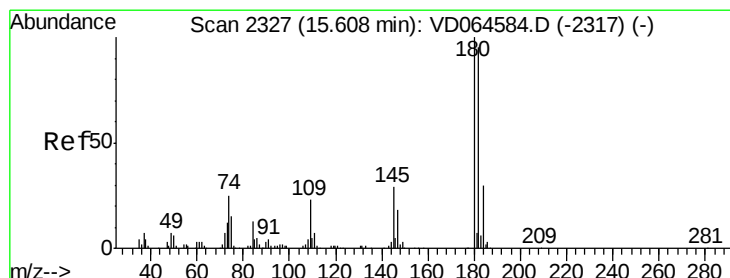
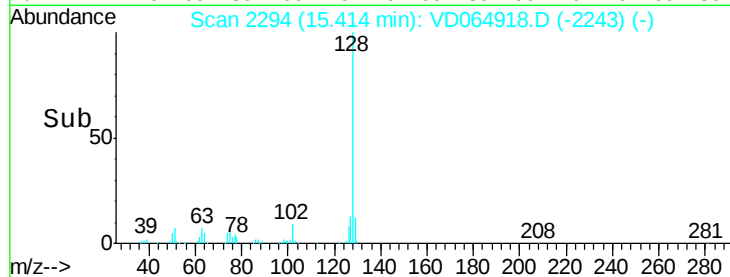
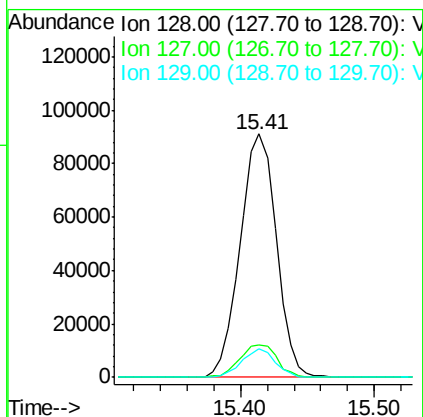
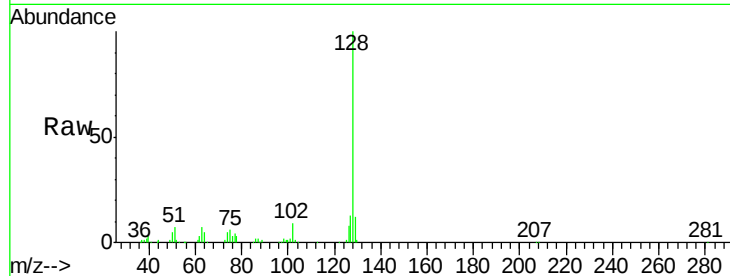
#95
Naphthalene
Concen: 21.214 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/23/2020 11:13:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.347 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064918.D
Acq: 22 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	29.3	14.9	44.7

