

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064833.D
 Acq On : 10 Jan 2020 15:12
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
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 1/13/2020 12:38:18 PM

Quant Time: Jan 10 22:40:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	180611	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.92	113	179377	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.34	98	683313	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.64	95	216880	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57472	19.808	ug/l	100
3) Chloromethane	2.21	50	86367	21.284	ug/l	96
4) Vinyl Chloride	2.35	62	100258	20.264	ug/l	97
5) Bromomethane	2.76	94	68630	19.078	ug/l	97
6) Chloroethane	2.91	64	67174	20.263	ug/l	95
7) Trichlorofluoromethane	3.27	101	166073	19.936	ug/l	98
8) Diethyl Ether	3.70	74	34066	20.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	71503	20.725	ug/l	98
10) Methyl Iodide	4.30	142	65963	17.800	ug/l	99
11) Tert butyl alcohol	5.24	59	16878	89.458	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	65328	19.889	ug/l	98
13) Acrolein	3.92	56	20424	77.676	ug/l	97
14) Allyl chloride	4.71	41	105489	20.599	ug/l	100
15) Acrylonitrile	5.43	53	68244	99.040	ug/l	99
16) Acetone	4.16	43	72825	100.423	ug/l	93
17) Carbon Disulfide	4.40	76	205458	19.345	ug/l	98
18) Methyl Acetate	4.73	43	37081	20.007	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	142781	19.571	ug/l	97
20) Methylene Chloride	4.96	84	83733	22.147	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	74078	19.804	ug/l	95
22) Diisopropyl ether	6.37	45	211797	20.735	ug/l	99
23) Vinyl Acetate	6.31	43	579367	99.990	ug/l	99
24) 1,1-Dichloroethane	6.27	63	129154	21.062	ug/l	98
25) 2-Butanone	7.22	43	92364	102.070	ug/l	100
26) 2,2-Dichloropropane	7.20	77	121297	21.275	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79923	19.798	ug/l	94
28) Bromochloromethane	7.55	49	48768	20.459	ug/l	100
29) Tetrahydrofuran	7.57	42	54437	96.736	ug/l	98
30) Chloroform	7.71	83	137038	21.301	ug/l	95
31) Cyclohexane	7.98	56	122020	19.879	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	127490	21.098	ug/l	99
36) 1,1-Dichloropropene	8.11	75	104885	19.994	ug/l	97
37) Ethyl Acetate	7.30	43	41233	20.008	ug/l	97
38) Carbon Tetrachloride	8.10	117	116338	20.799	ug/l	96

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Manual Integrations
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 1/13/2020 12:38:18 PM

Quant Time: Jan 10 22:40:48 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)
39) Methylcyclohexane	9.36	83	124472	19.591	ug/l	97
40) Benzene	8.35	78	290676	20.298	ug/l	100
41) Methacrylonitrile	7.53	41	23979	20.055	ug/l	93
42) 1,2-Dichloroethane	8.43	62	88771	21.452	ug/l	98
43) Isopropyl Acetate	8.46	43	79923	19.485	ug/l	99
44) Trichloroethene	9.11	130	84889	20.179	ug/l	97
45) 1,2-Dichloropropane	9.39	63	73020	21.356	ug/l	97
46) Dibromomethane	9.48	93	37859	19.860	ug/l	98
47) Bromodichloromethane	9.66	83	104205	20.543	ug/l	95
48) Methyl methacrylate	9.46	41	37034	19.175	ug/l	96
49) 1,4-Dioxane	9.47	88	8870	403.535	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	196429	96.885	ug/l	100
52) Toluene	10.40	92	190381	20.264	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	94079	19.893	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	112097	20.102	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	50931	19.825	ug/l	95
56) Ethyl methacrylate	10.66	69	61941	19.306	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89090	20.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145280	118.851	ug/l	98
59) 2-Hexanone	10.99	43	134176	97.507	ug/l	99
60) Dibromochloromethane	11.14	129	70925	19.964	ug/l	97
61) 1,2-Dibromoethane	11.25	107	50622	19.978	ug/l	99
64) Tetrachloroethene	10.88	164	74345	20.369	ug/l	95
65) Chlorobenzene	11.67	112	207466	21.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	75041	20.159	ug/l	99
67) Ethyl Benzene	11.75	91	358521	20.004	ug/l	100
68) m/p-Xylenes	11.86	106	274362	39.662	ug/l	96
69) o-Xylene	12.18	106	123255	19.726	ug/l	100
70) Styrene	12.20	104	219045	19.972	ug/l	98
71) Bromoform	12.37	173	41120	19.371	ug/l #	97
73) Isopropylbenzene	12.48	105	344775	20.181	ug/l	99
74) N-amyl acetate	12.29	43	68596	18.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	53038	19.762	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	32885m	17.420	ug/l	
77) Bromobenzene	12.77	156	83934	19.995	ug/l	99
78) n-propylbenzene	12.83	91	408622	20.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	217898	19.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	282181	20.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16734	18.539	ug/l	92
82) 4-Chlorotoluene	13.01	91	235149	20.182	ug/l	99
83) tert-Butylbenzene	13.23	119	238400	19.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	282195	20.190	ug/l	97
85) sec-Butylbenzene	13.41	105	338731	20.277	ug/l	99
86) p-Isopropyltoluene	13.53	119	316663	19.825	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	157626	19.697	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	156265	19.877	ug/l	99
89) n-Butylbenzene	13.85	91	297175	20.660	ug/l	97
90) Hexachloroethane	14.12	117	62335	20.430	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	133496	19.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8838	20.314	ug/l	88

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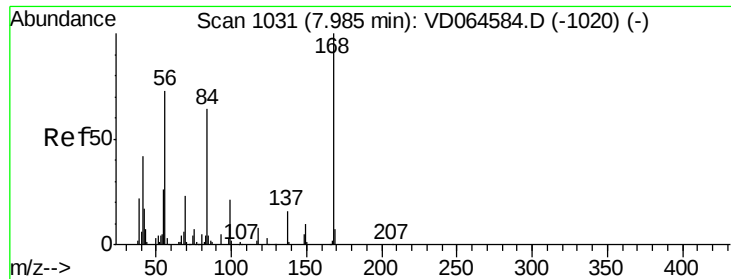
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97498	19.405	ug/l	99
94) Hexachlorobutadiene	15.28	225	60253	19.057	ug/l	96
95) Naphthalene	15.41	128	142492	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	81455	18.990	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion:168 Resp: 373338

Ion Ratio Lower Upper

168 100

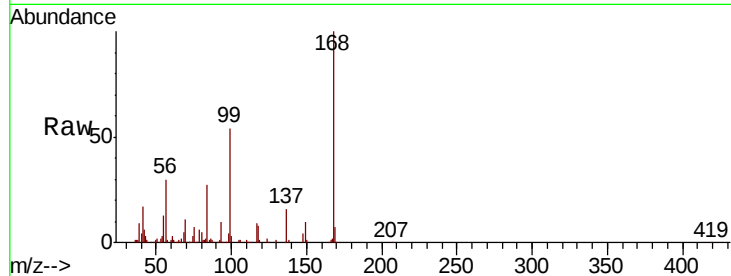
99 53.4 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

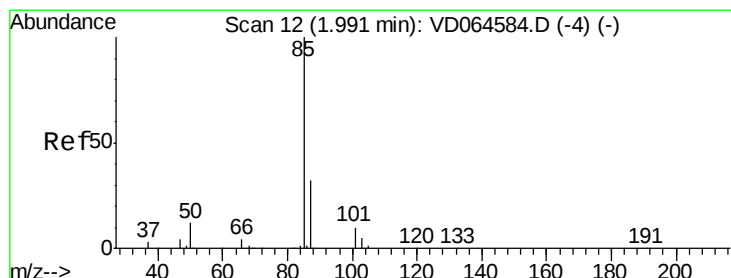
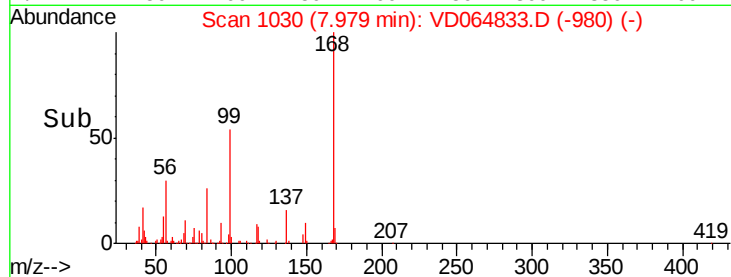
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.808 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064833.D

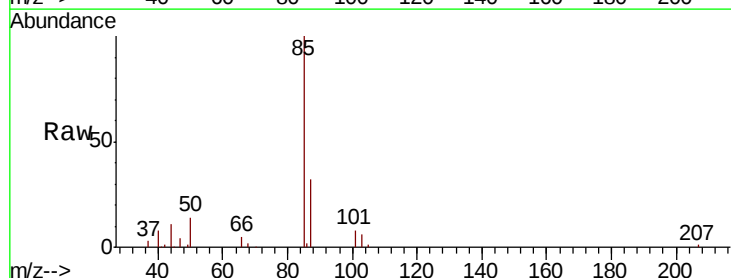
Acq: 10 Jan 2020 15:12

Tgt Ion: 85 Resp: 57472

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

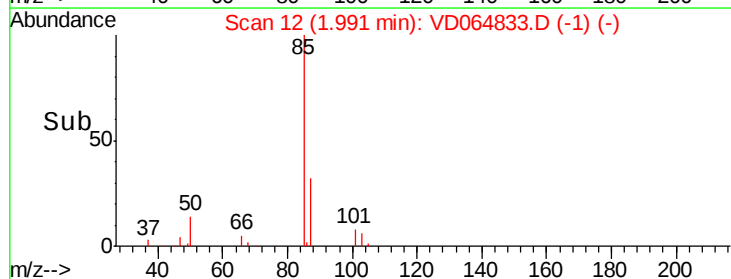
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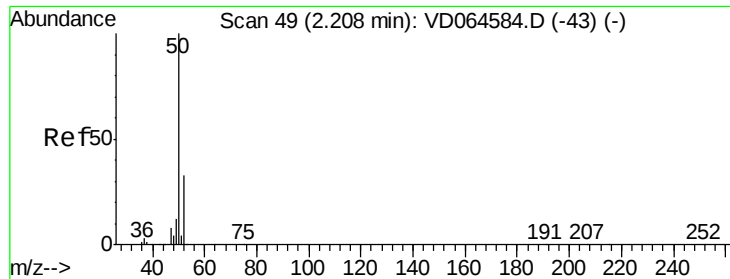
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.284 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 50 Resp: 86367

Ion Ratio Lower Upper

50 100

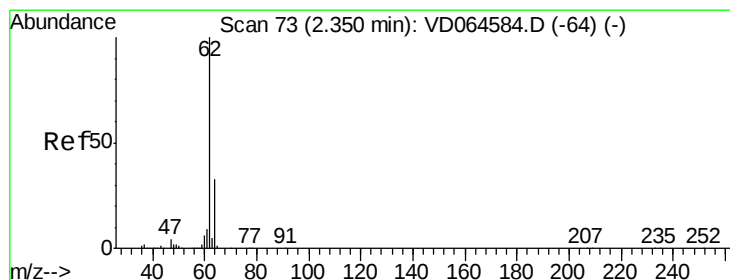
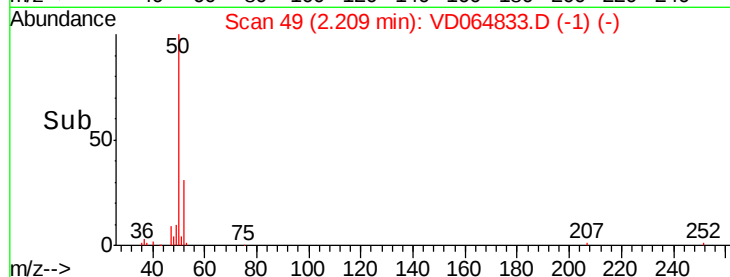
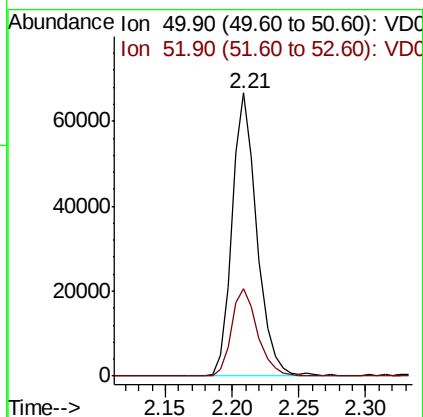
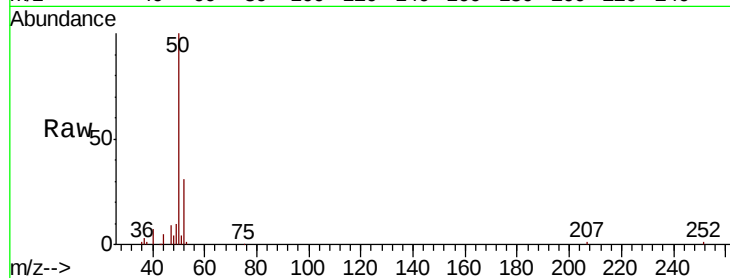
52 31.0 26.5 39.7

Manual Integrations

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1/13/2020 12:38:18 PM



#4

Vinyl Chloride

Concen: 20.264 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064833.D

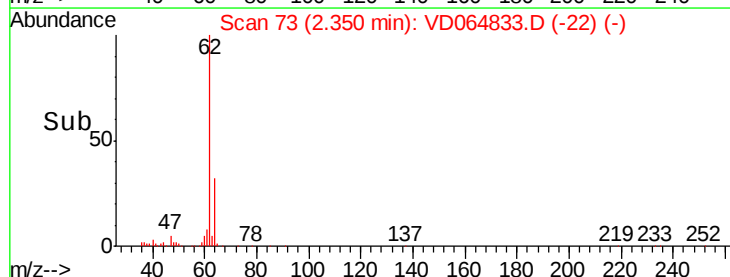
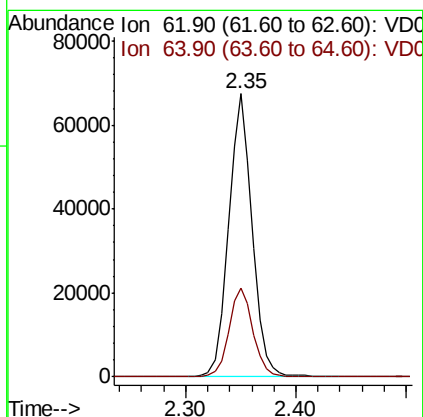
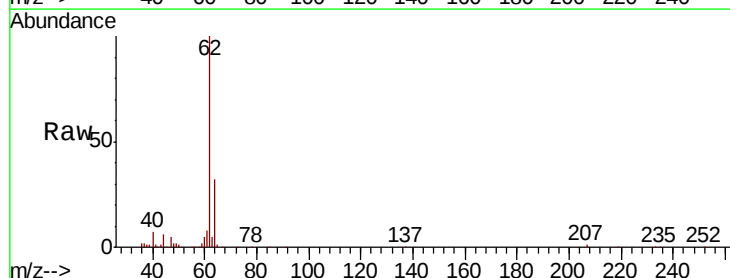
Acq: 10 Jan 2020 15:12

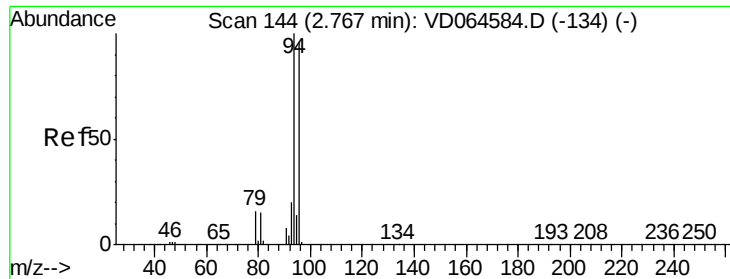
Tgt Ion: 62 Resp: 100258

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 19.078 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 94 Resp: 68630

Ion Ratio Lower Upper

94 100

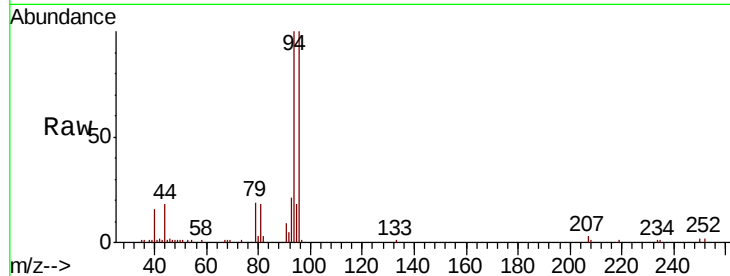
96 99.7 77.2 115.8

Manual Integrations

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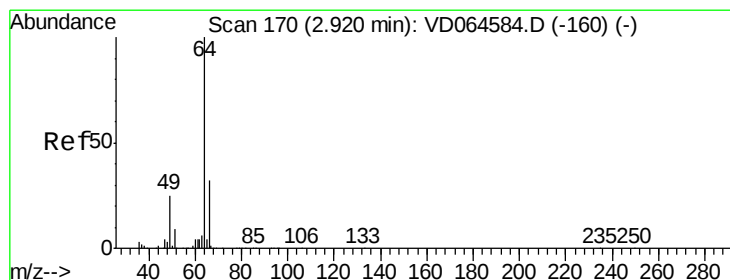
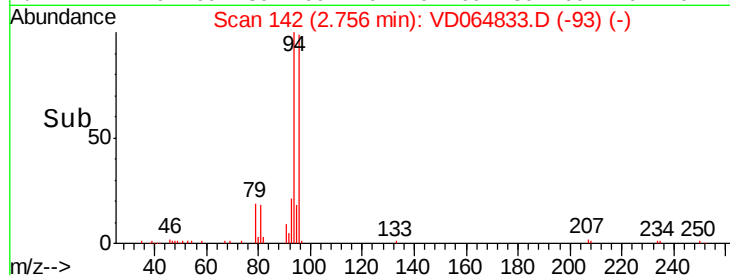
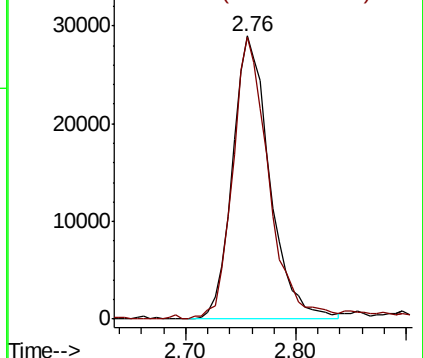
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.263 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064833.D

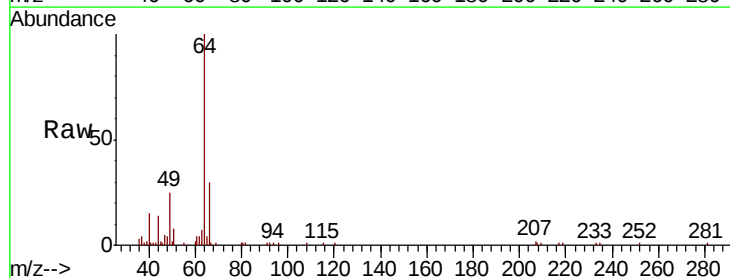
Acq: 10 Jan 2020 15:12

Tgt Ion: 64 Resp: 67174

Ion Ratio Lower Upper

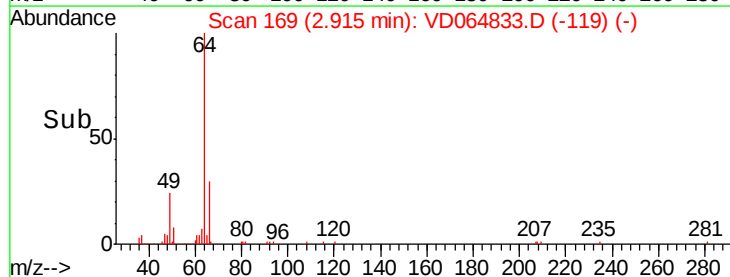
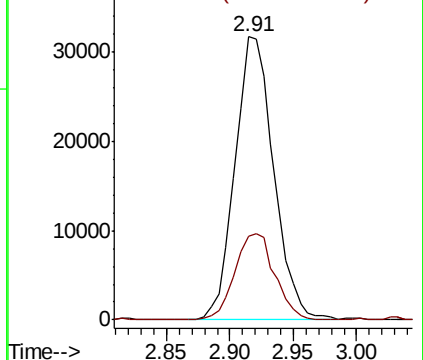
64 100

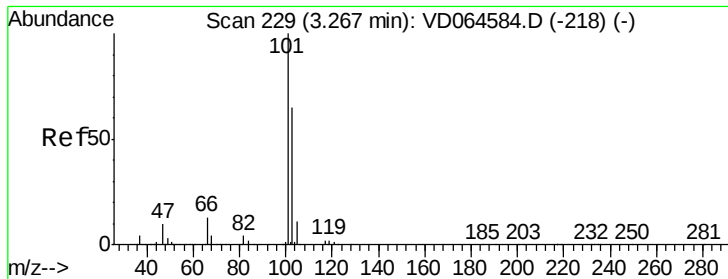
66 29.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

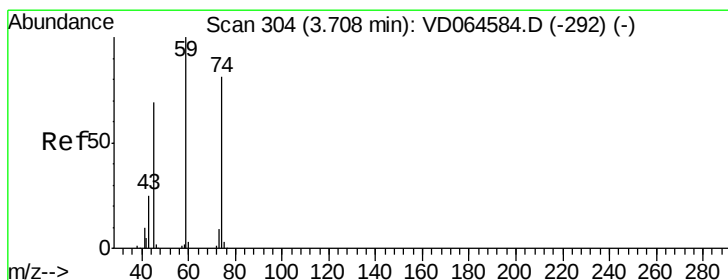
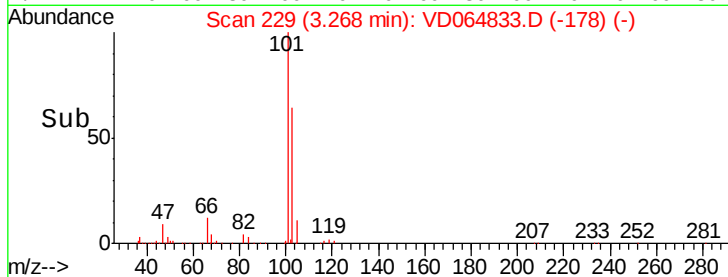
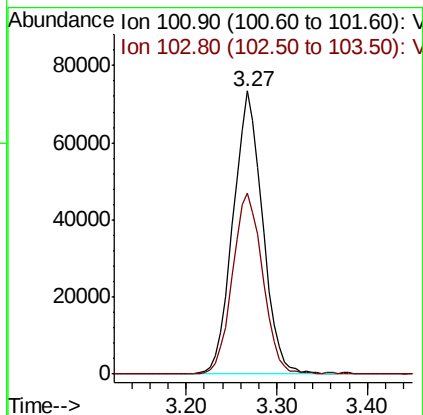
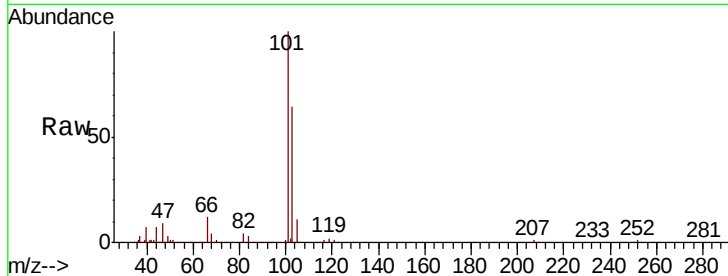
Trichlorofluoromethane
Concen: 19.936 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

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VD0110SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.4

Manual Integrations
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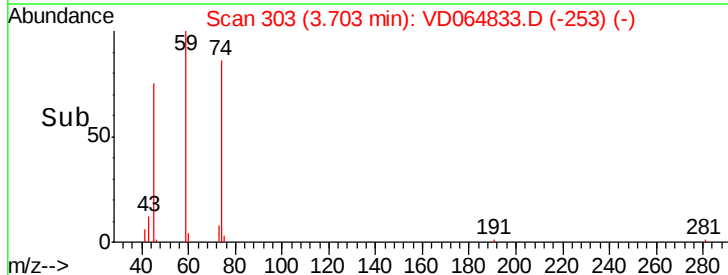
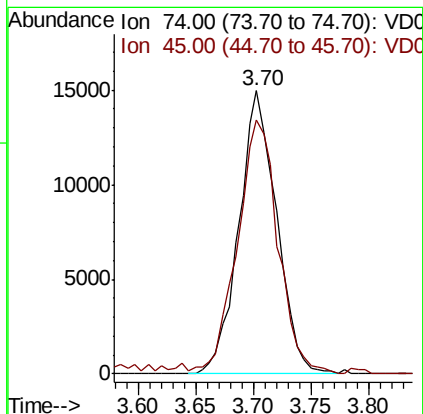
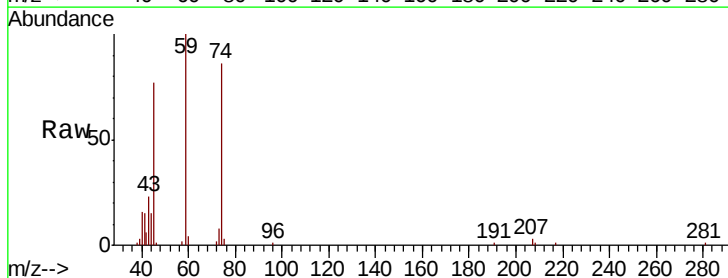
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#8

Diethyl Ether
Concen: 20.593 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.725 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

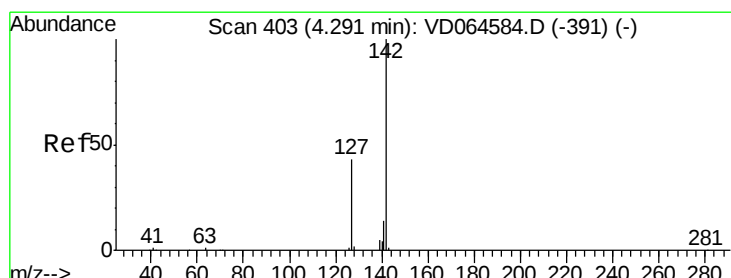
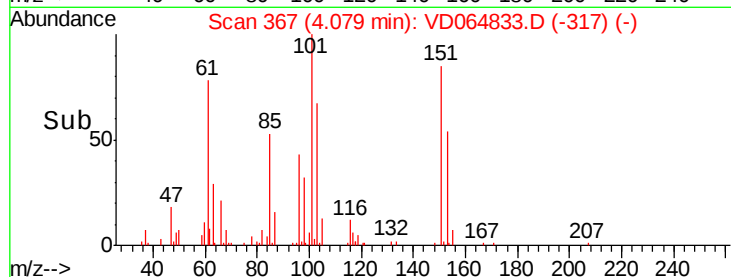
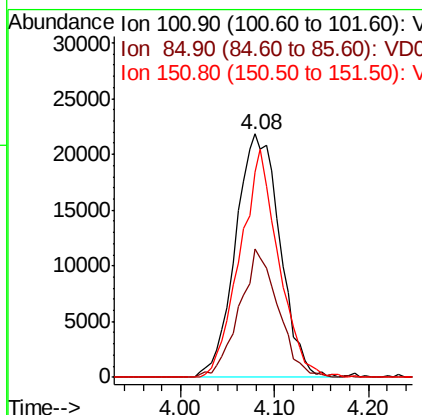
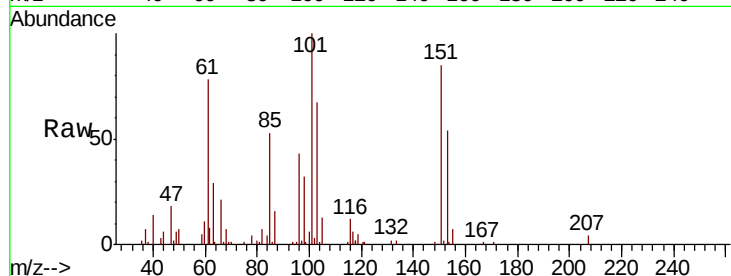
ClientSampleId :

VD0110SBS01

Tot Ion:	101	Resp:	71503
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.2	52.8
151	81.6	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 17.800 ug/l

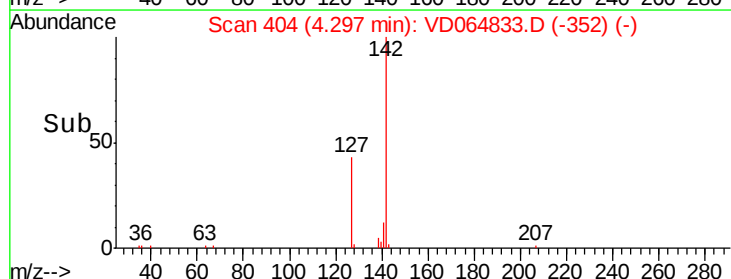
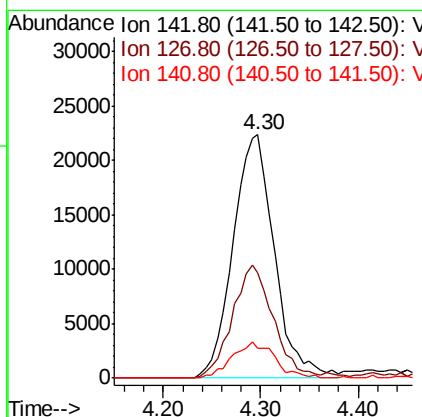
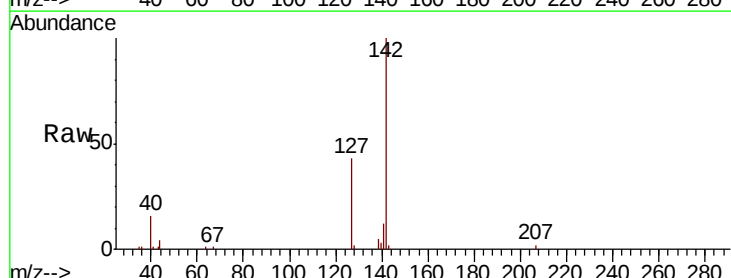
RT: 4.30 min Scan# 404

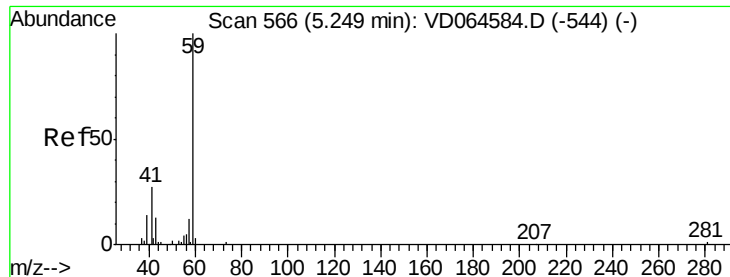
Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	142	Resp:	65963
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.4
141	15.3	11.8	17.8





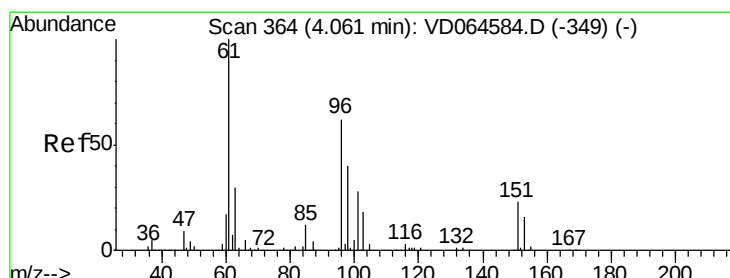
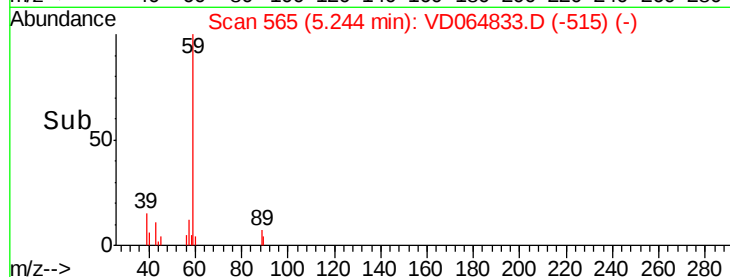
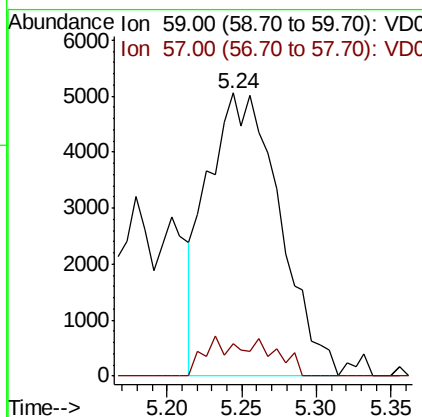
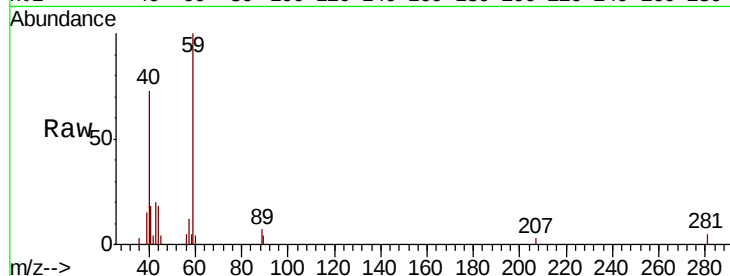
#11
Tert butyl alcohol
Concen: 89.458 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	6.1		9.3	13.9#

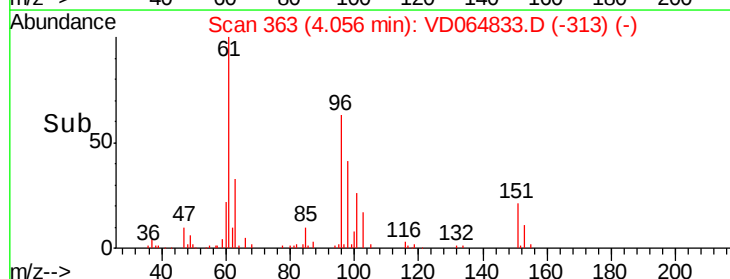
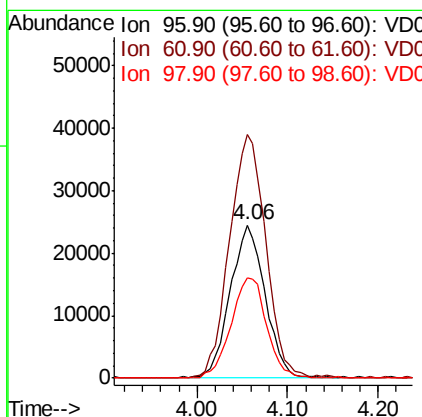
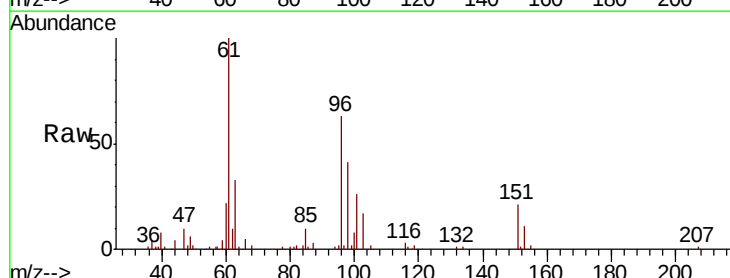
Manual Integrations
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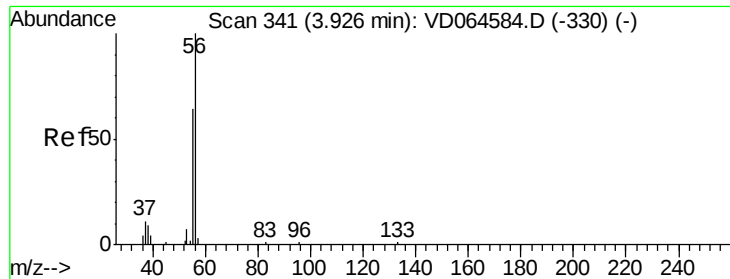
MMDadoda
1/13/2020 12:38:18 PM



#12
1,1-Dichloroethene
Concen: 19.889 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	159.4		129.4	194.0
98	65.4		51.4	77.0





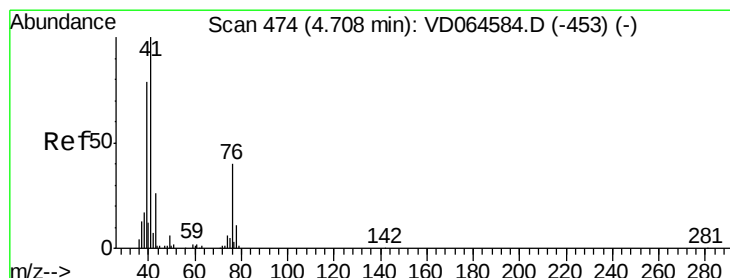
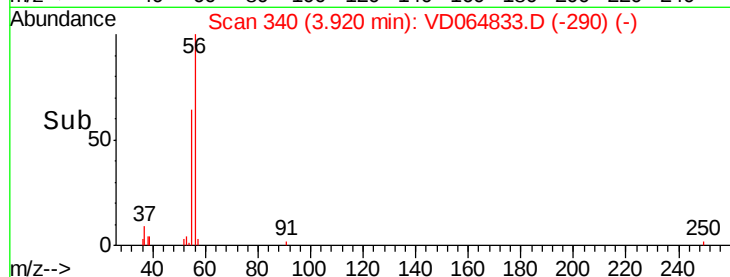
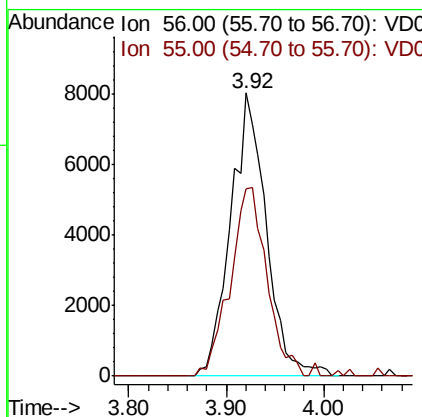
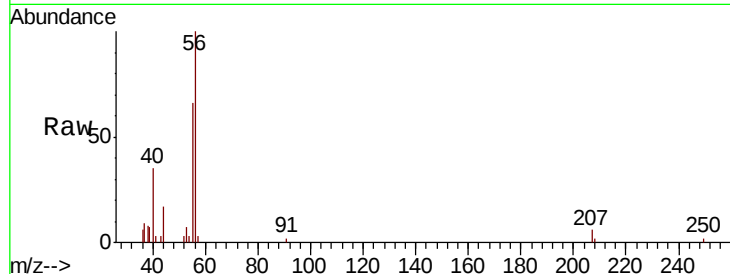
#13
Acrolein
Concen: 77.676 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 56 Resp: 20424
Ion Ratio Lower Upper
56 100
55 68.4 56.7 85.1

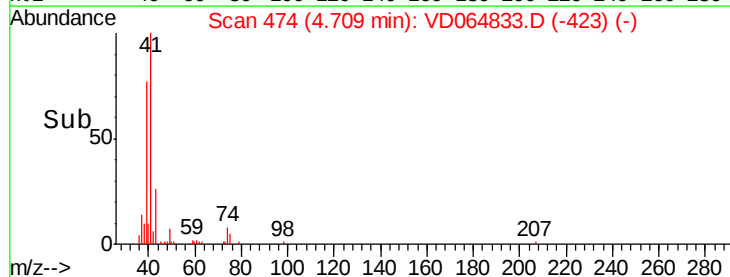
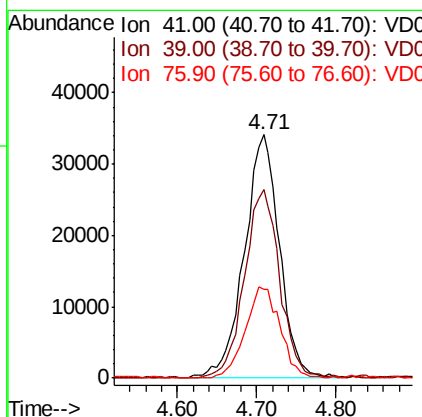
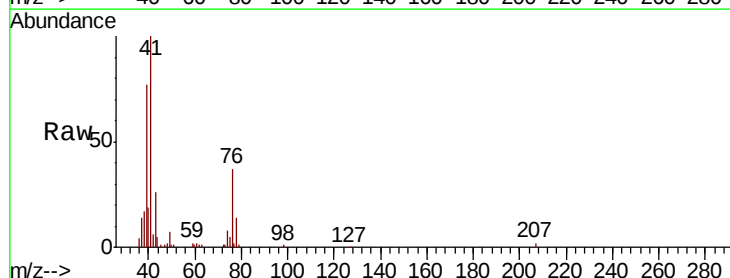
Manual Integrations
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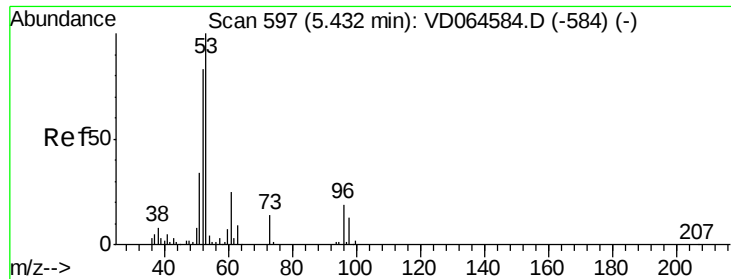
MMDadoda
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#14
Allyl chloride
Concen: 20.599 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 41 Resp: 105489
Ion Ratio Lower Upper
41 100
39 77.9 62.3 93.5
76 36.8 29.7 44.5





#15

Acrylonitrile

Concen: 99.040 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

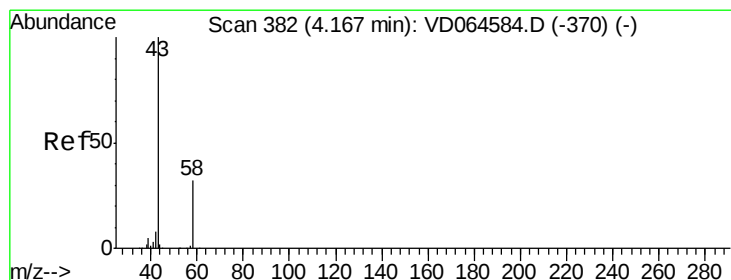
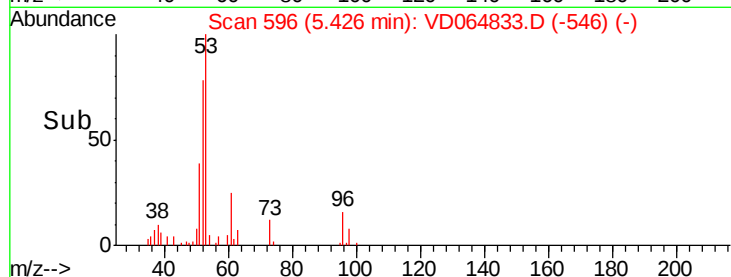
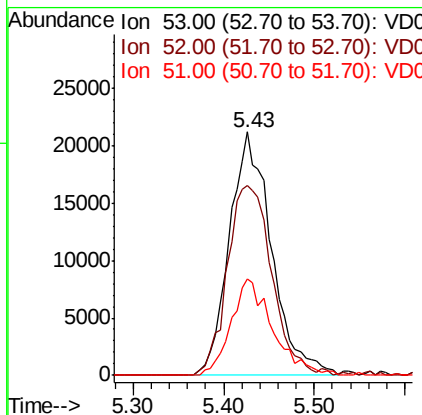
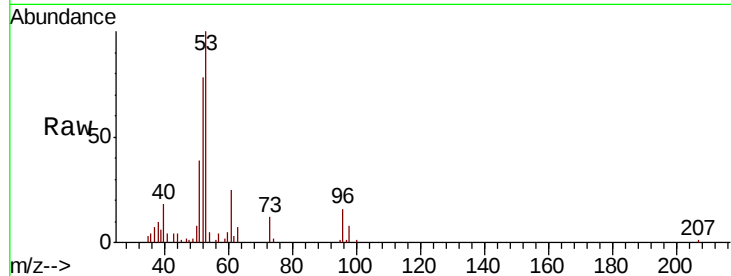
ClientSampleId :

VD0110SBS01

Tot Ion:	53	Resp:	68244
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	39.1	30.1	45.1

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#16

Acetone

Concen: 100.423 ug/l

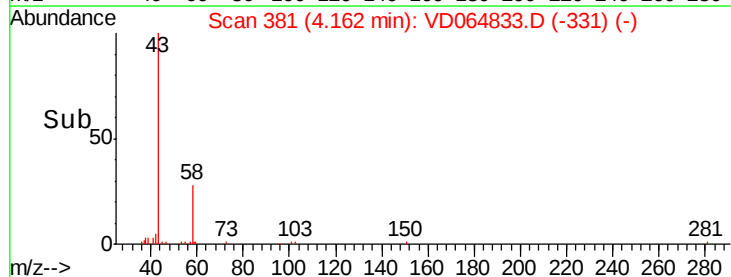
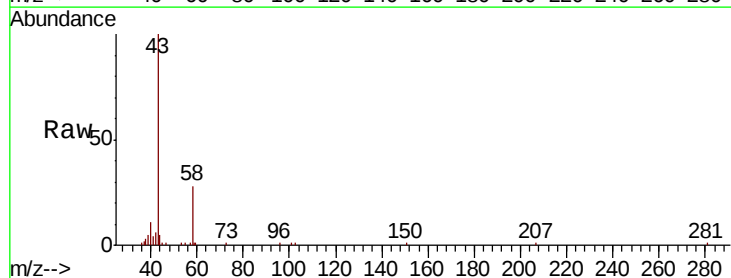
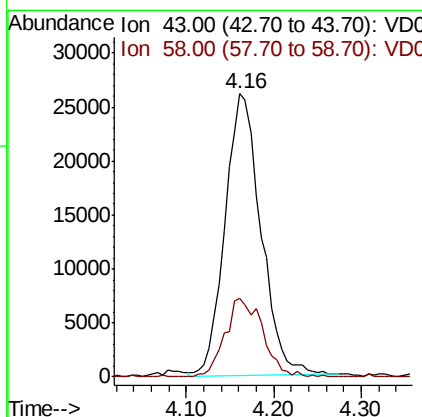
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	43	Resp:	72825
Ion Ratio	Lower	Upper	
43	100		
58	28.1	25.8	38.6





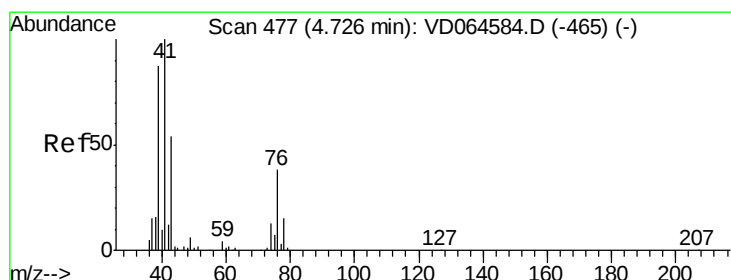
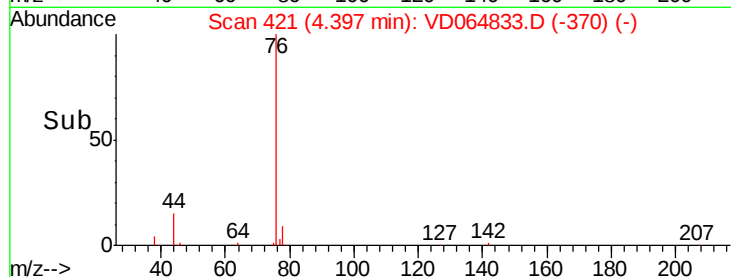
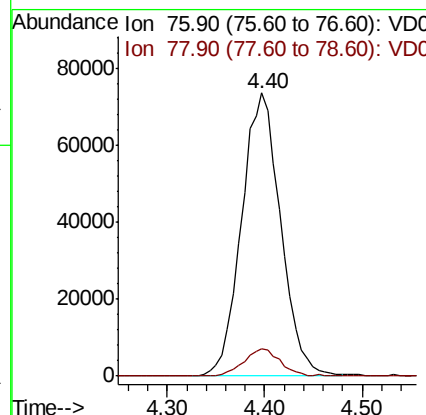
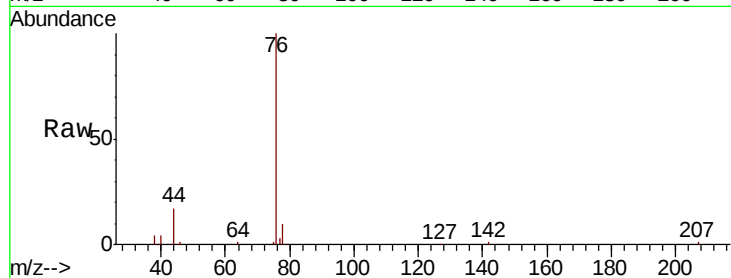
#17
Carbon Disulfide
Concen: 19.345 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

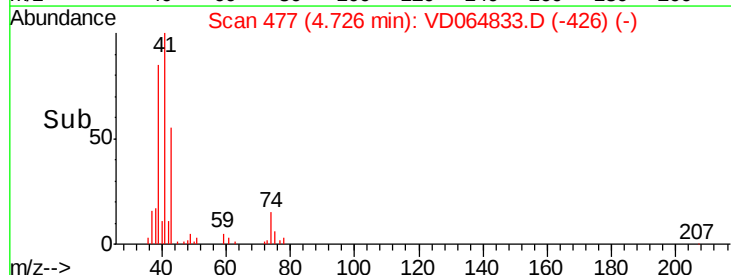
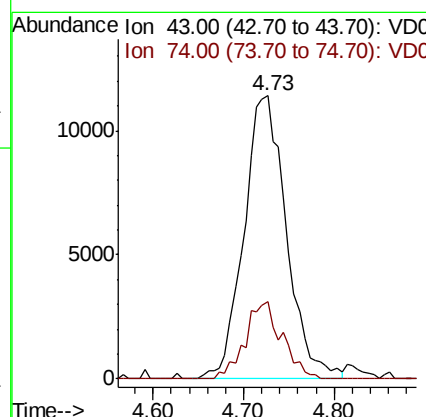
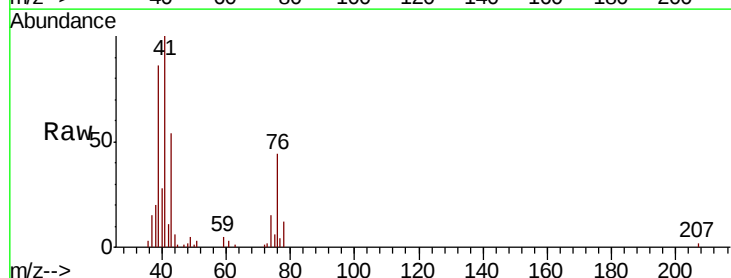
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#18
Methyl Acetate
Concen: 20.007 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





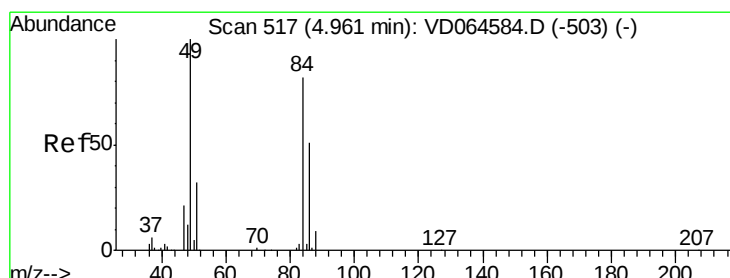
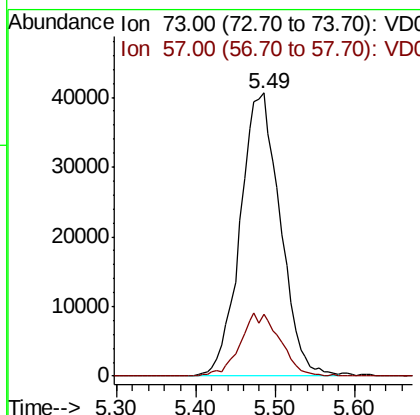
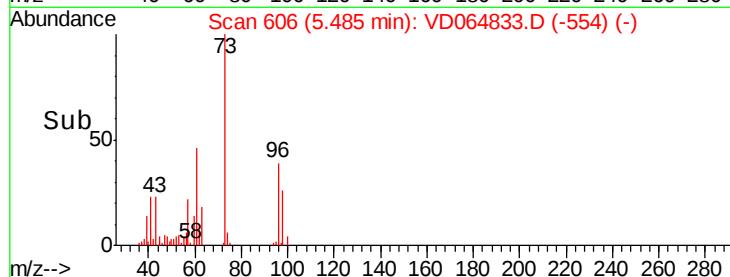
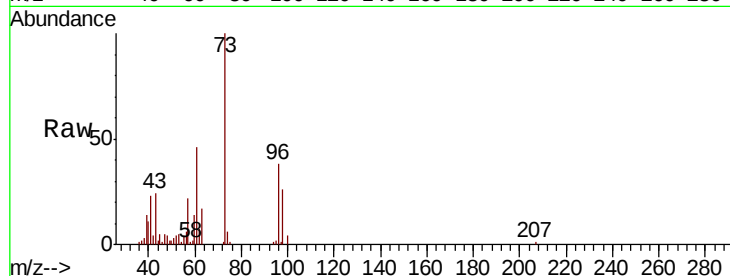
#19
Methvl tert-butvl Ether
Concen: 19.571 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 73 Resp: 142781
Ion Ratio Lower Upper
73 100
57 21.7 18.6 27.8

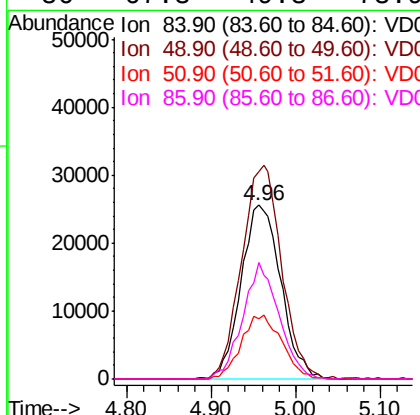
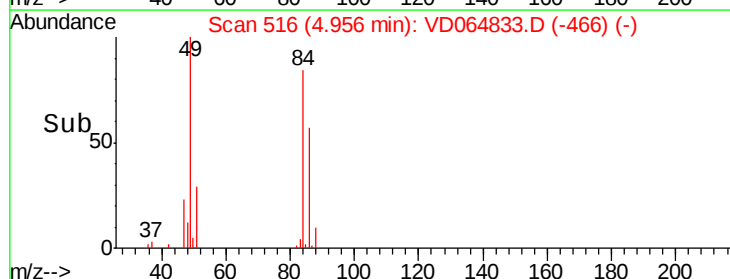
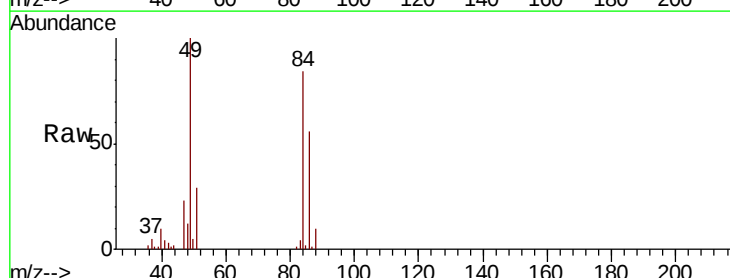
Manual Integrations
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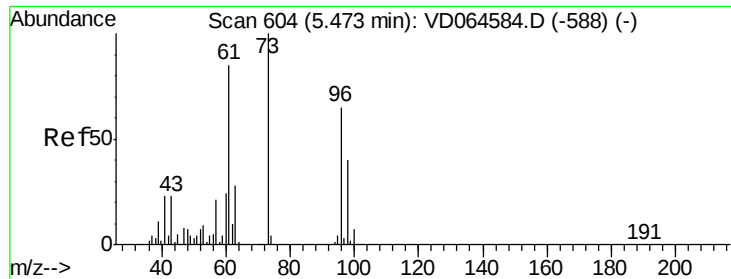
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#20
Methylene Chloride
Concen: 22.147 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 84 Resp: 83733
Ion Ratio Lower Upper
84 100
49 119.5 97.2 145.8
51 35.0 31.4 47.0
86 67.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 96 Resp: 74078

Ion Ratio Lower Upper

96 100

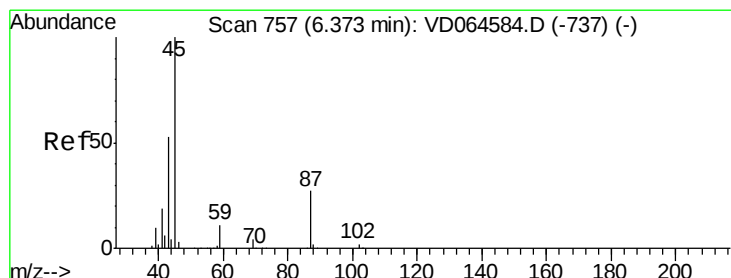
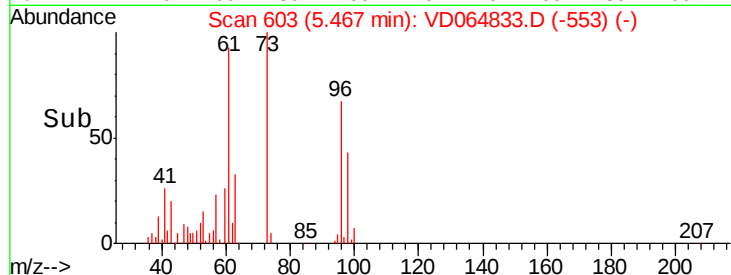
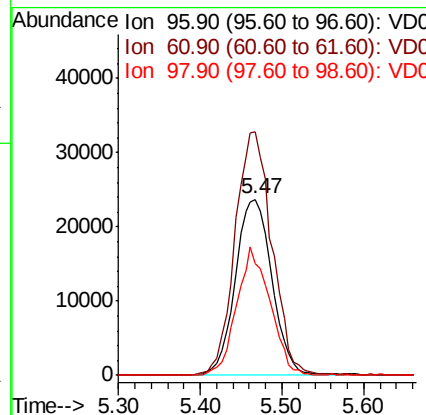
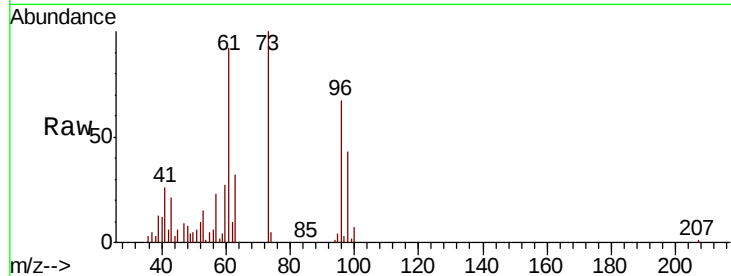
61 138.2 104.7 157.1

98 63.7 49.4 74.2

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#22

Diisopropyl ether

Concen: 20.735 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion: 45 Resp: 211797

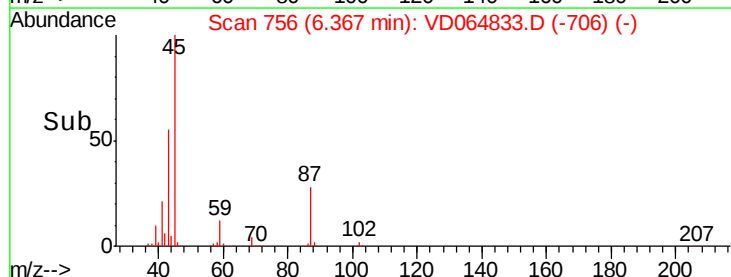
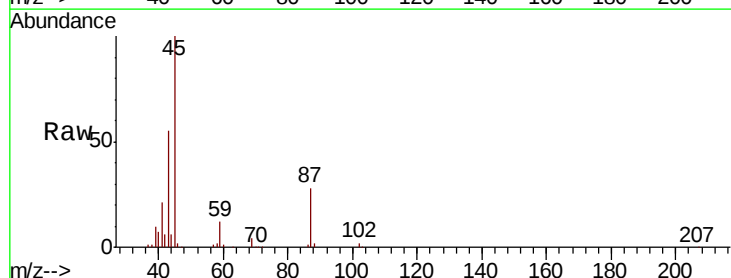
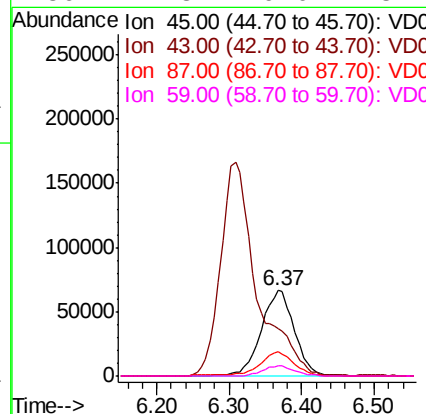
Ion Ratio Lower Upper

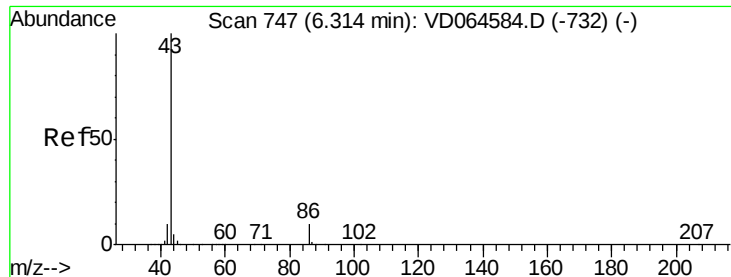
45 100

43 53.9 43.2 64.8

87 27.9 21.9 32.9

59 12.3 9.0 13.4





#23

Vinyl Acetate

Concen: 99.990 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 43 Resp: 579367

Ion Ratio Lower Upper

43 100

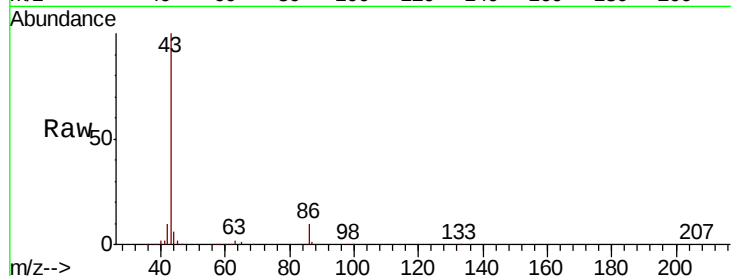
86 10.1 8.3 12.5

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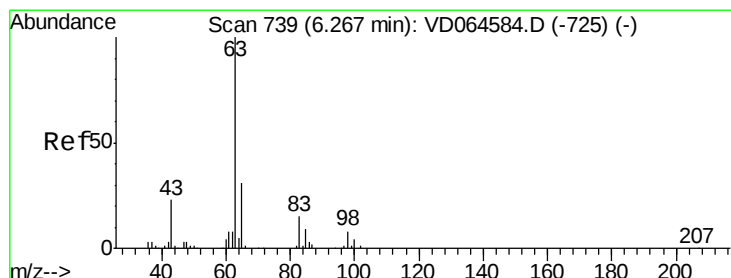
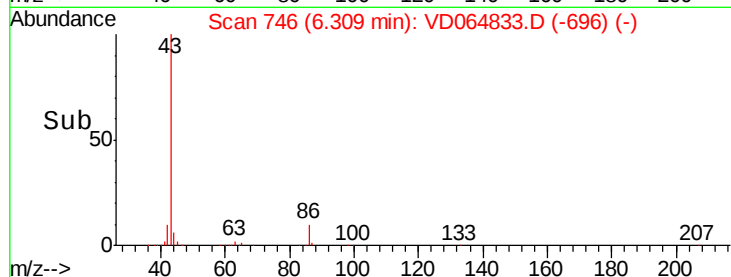
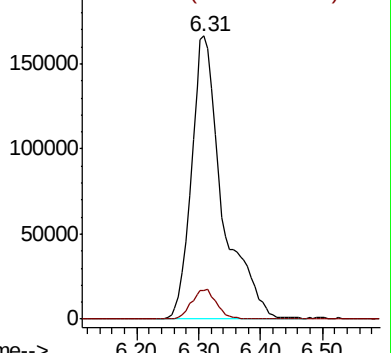
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.062 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

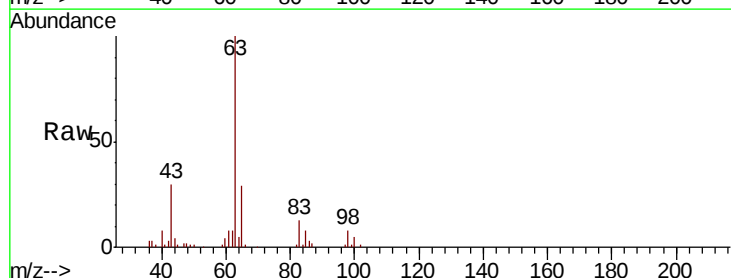
Tgt Ion: 63 Resp: 129154

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

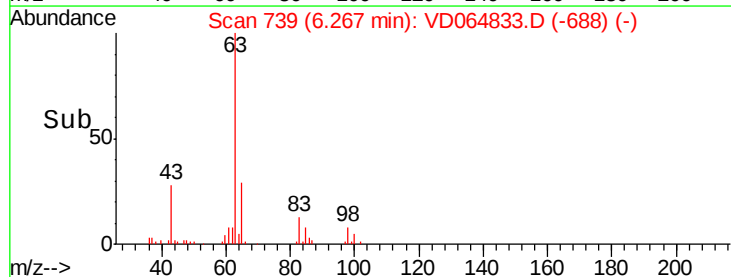
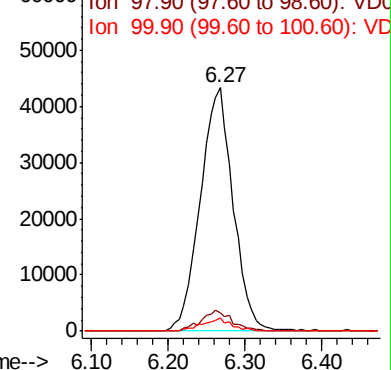
100 5.5 2.2 6.6

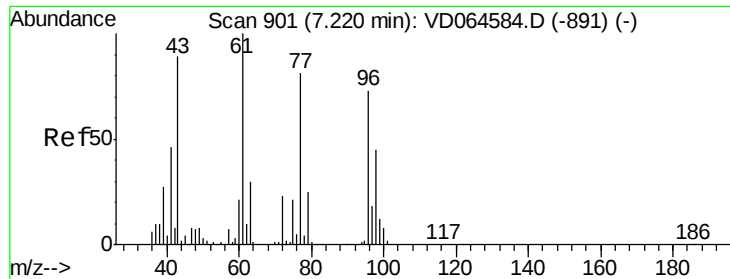


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.070 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 43 Resp: 92364

Ion Ratio Lower Upper

43 100

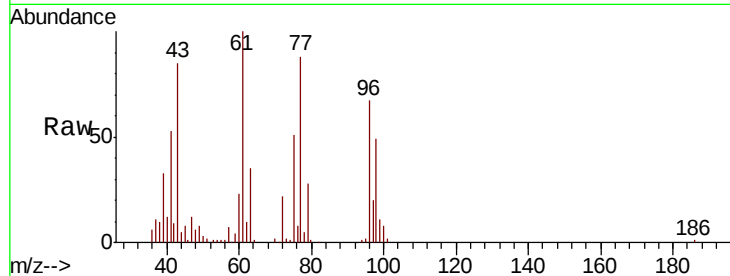
72 25.7 20.7 31.1

Manual Integrations

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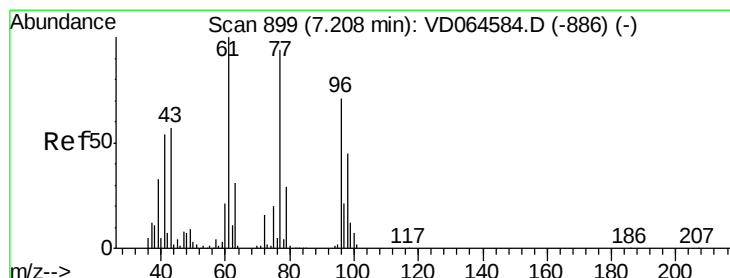
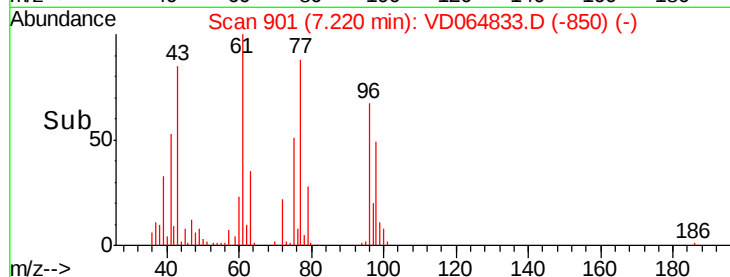
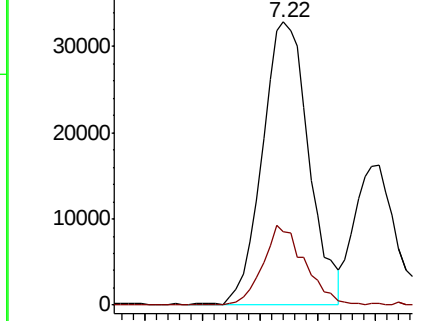
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.275 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064833.D

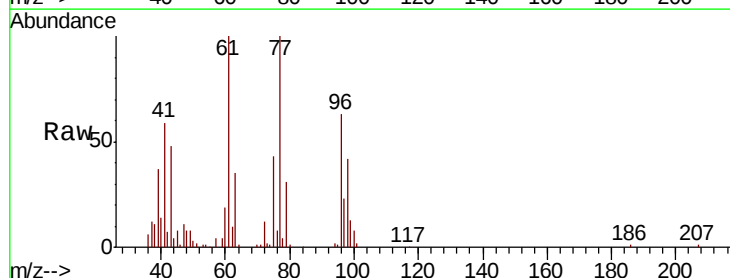
Acq: 10 Jan 2020 15:12

Tgt Ion: 77 Resp: 121297

Ion Ratio Lower Upper

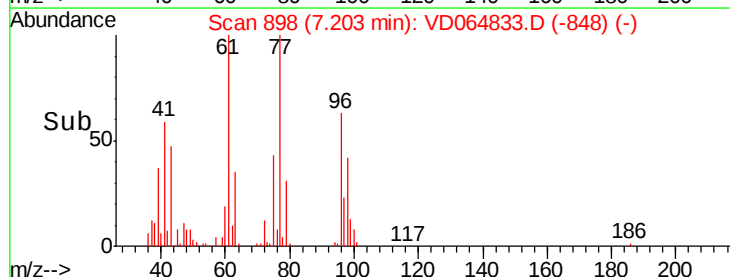
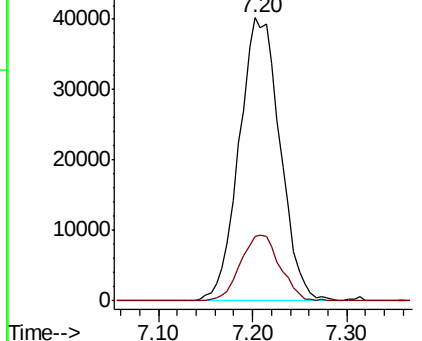
77 100

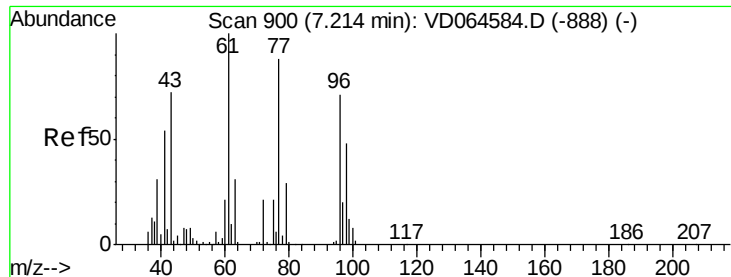
97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





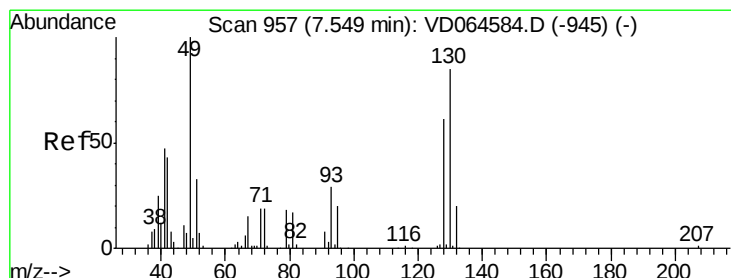
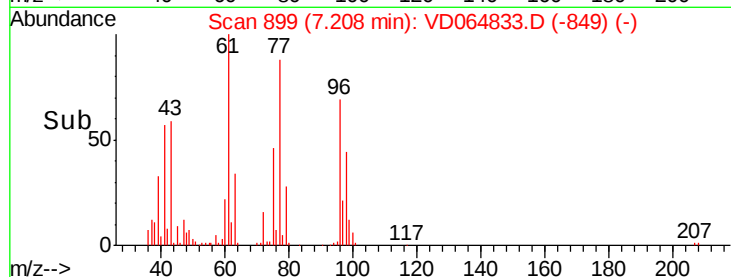
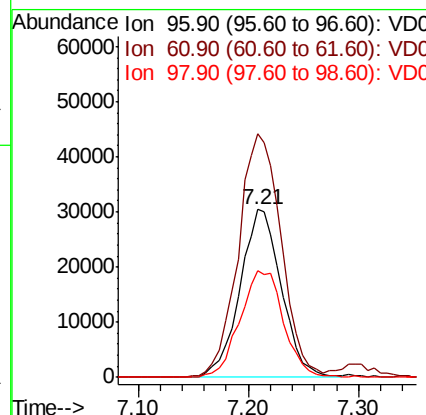
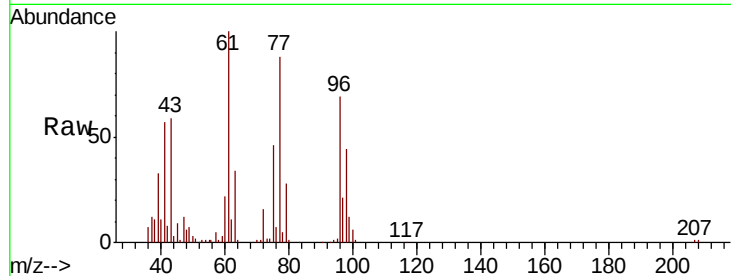
#27
 cis-1,2-Dichloroethene
 Concen: 19.798 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	282.6
98	66.5	0.0	130.8

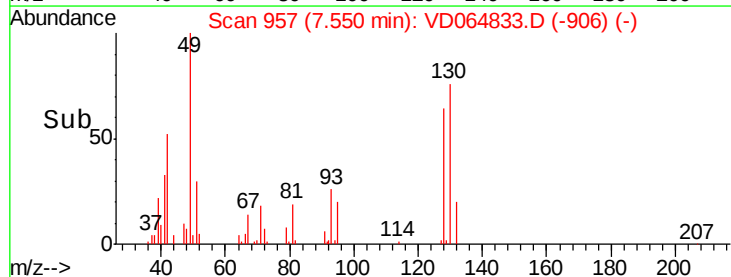
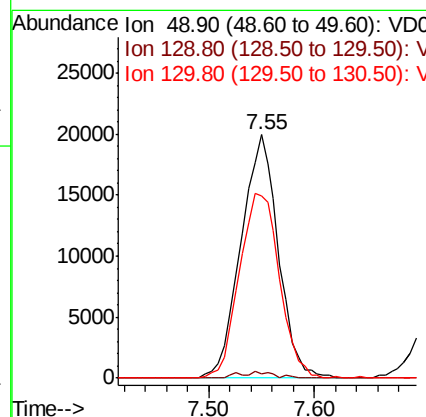
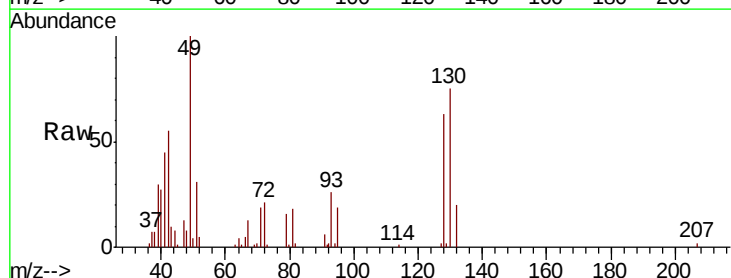
Manual Integrations
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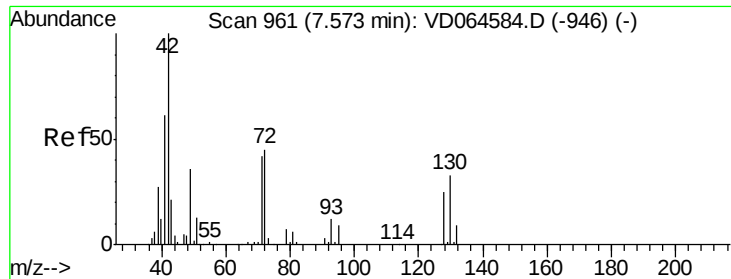
MMDadoda
 1/13/2020 12:38:18 PM



#28
 Bromochloromethane
 Concen: 20.459 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	81.6	65.0	97.6





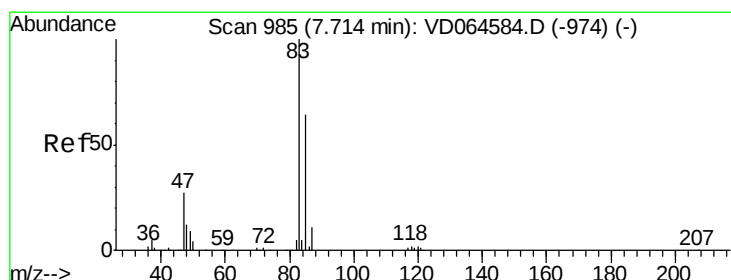
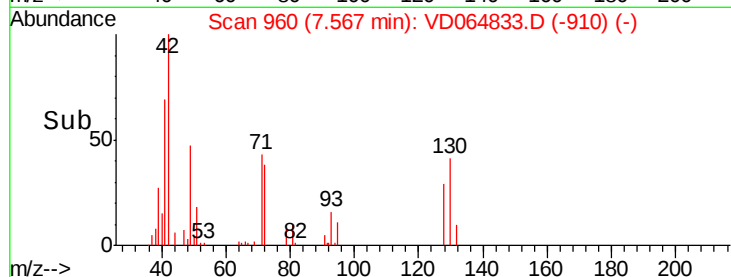
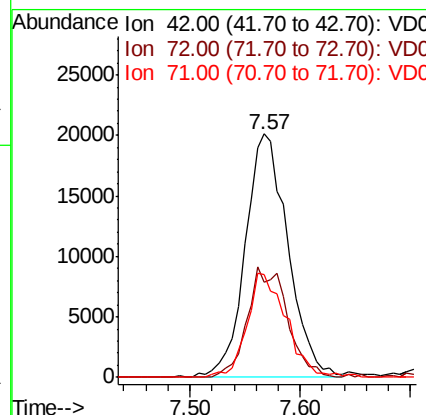
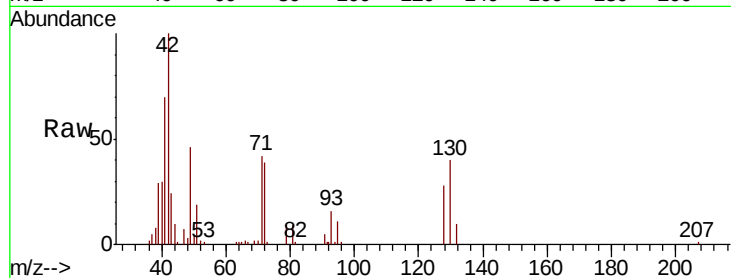
#29
Tetrahydrofuran
Concen: 96.736 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	39.7	32.9	49.3

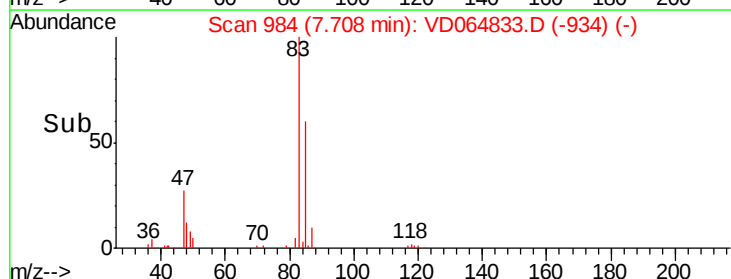
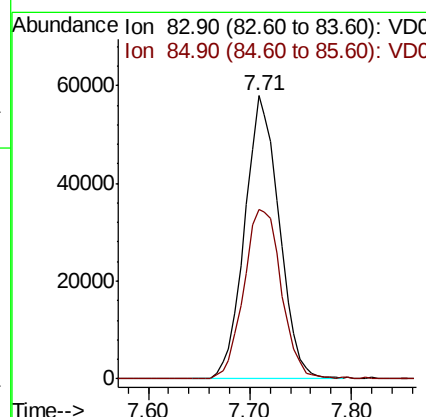
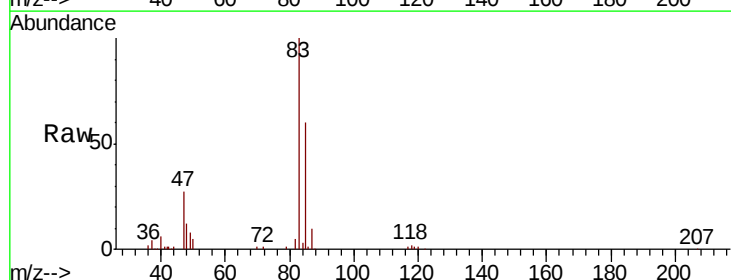
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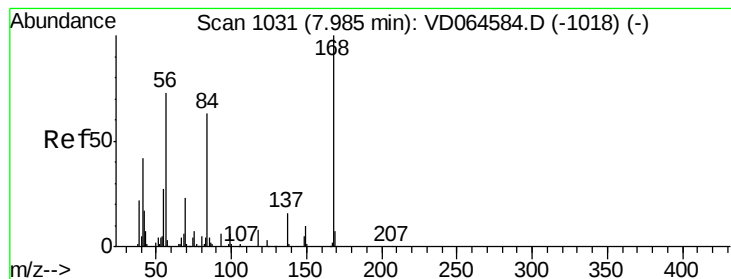
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#30
Chloroform
Concen: 21.301 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.1	76.7





#31

Cyclohexane

Concen: 19.879 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

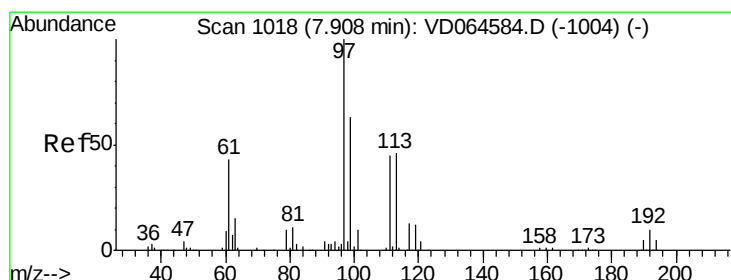
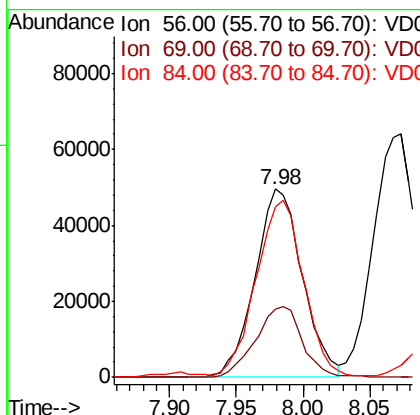
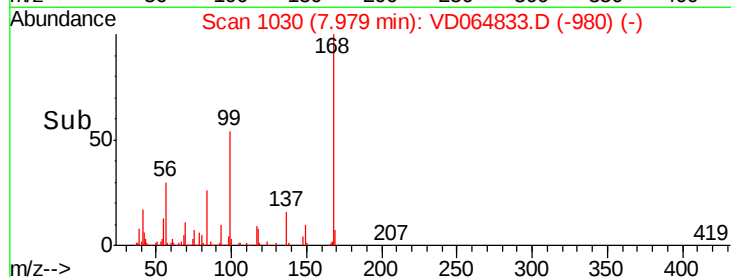
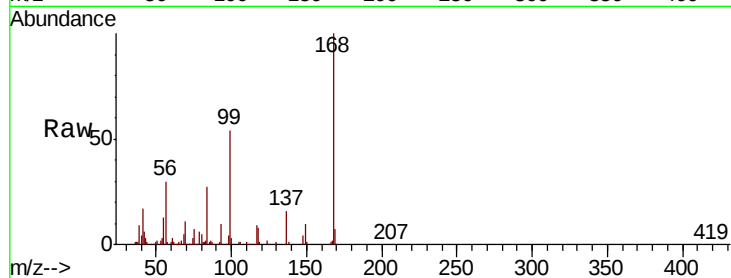
ClientSampleId :

VD0110SBS01

Tot Ion:	56	Resp:	122020
Ion	Ratio	Lower	Upper
56	100		
69	36.2	24.7	37.1
84	88.9	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 21.098 ug/l

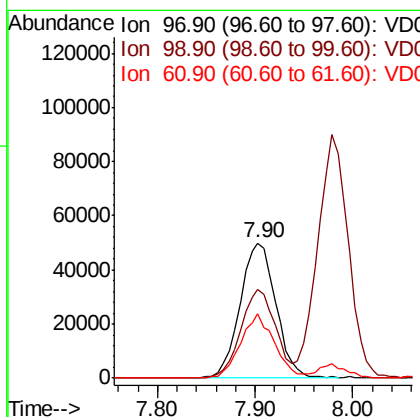
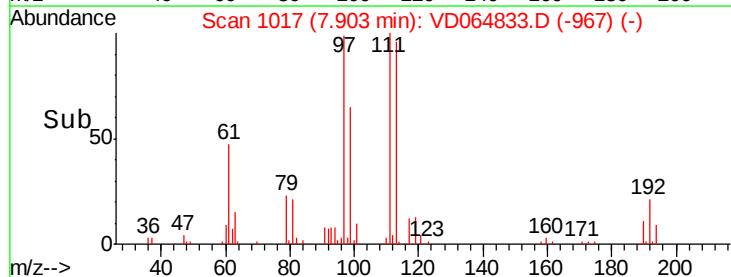
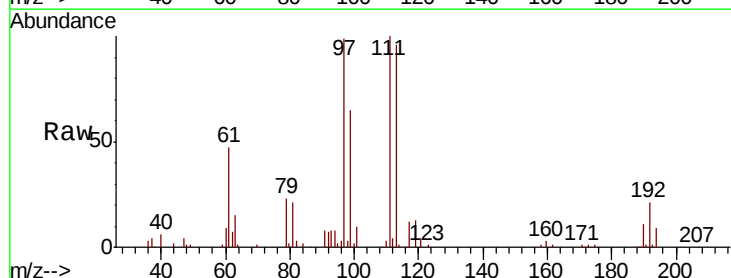
RT: 7.90 min Scan# 1017

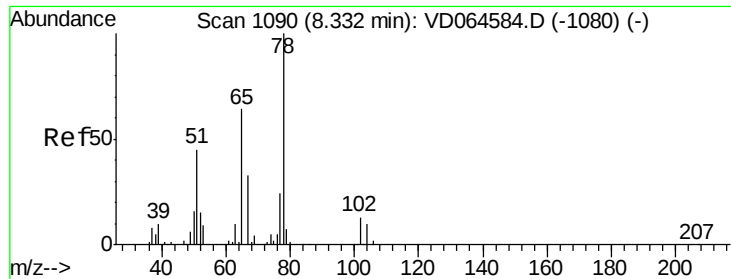
Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	97	Resp:	127490
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	44.9	35.4	53.0





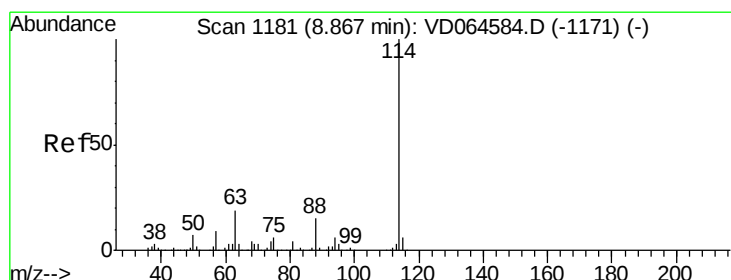
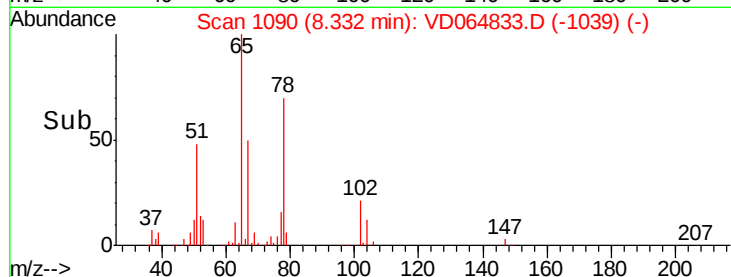
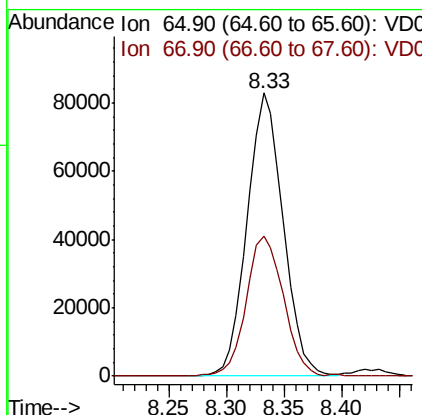
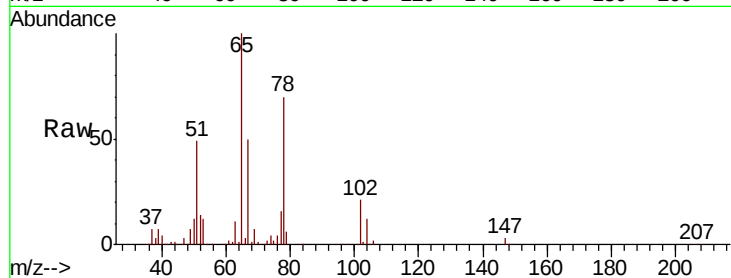
#33
 1,2-Dichloroethane-d4
 Concen: 54.863 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180611		
67	51.1	0.0	106.2	

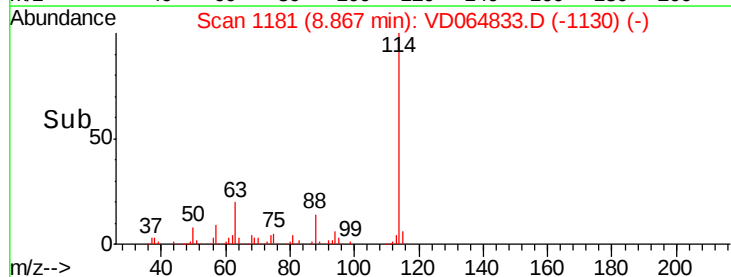
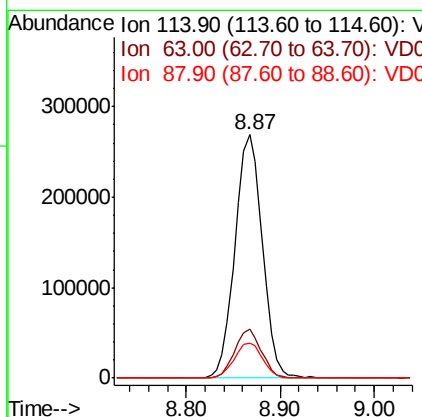
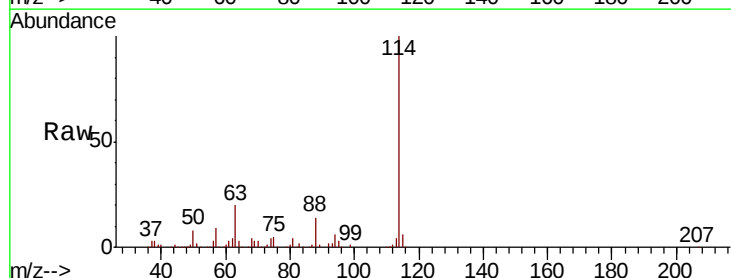
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	545009		
63	20.1	0.0	38.0	
88	14.2	0.0	29.2	





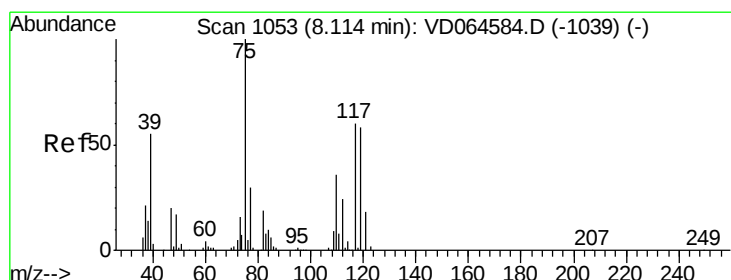
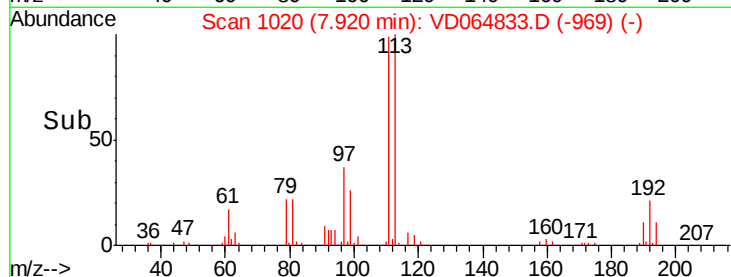
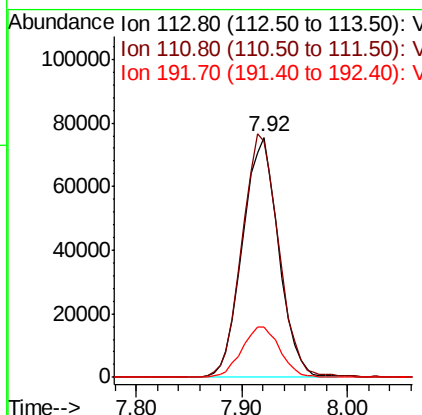
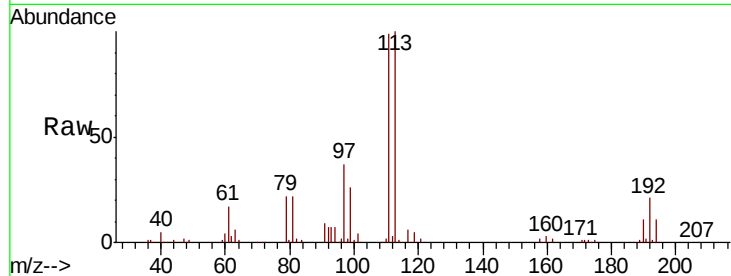
#35
 Dibromofluoromethane
 Concen: 53.646 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179377		
111	103.3	80.6	121.0	
192	22.1	17.9	26.9	

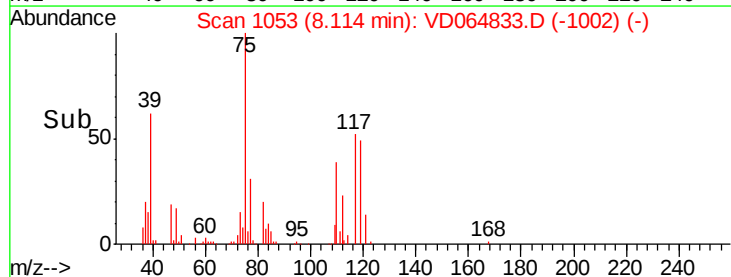
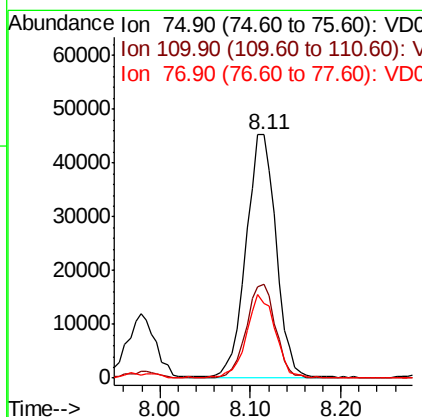
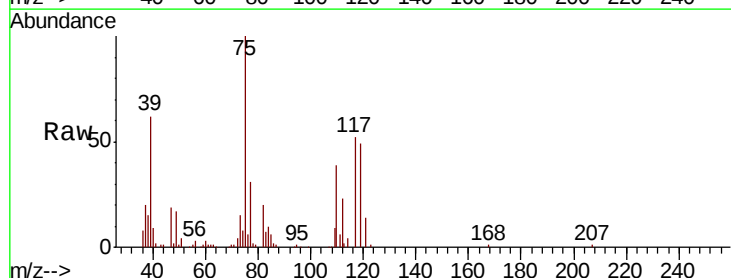
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 19.994 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104885		
110	37.1	18.1	54.1	
77	32.8	24.2	36.4	





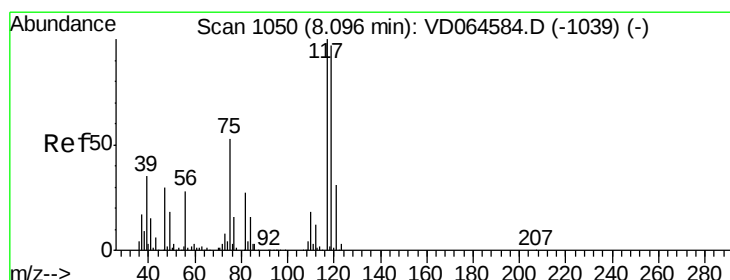
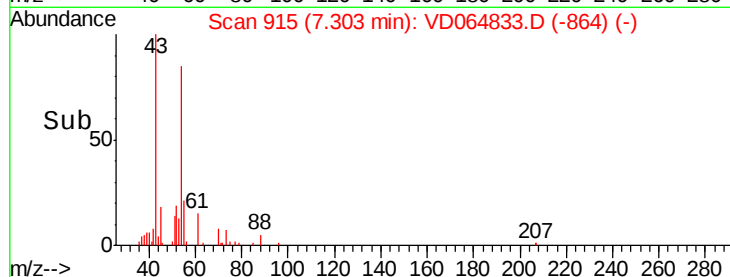
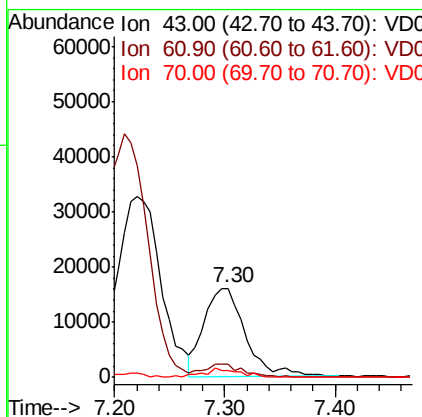
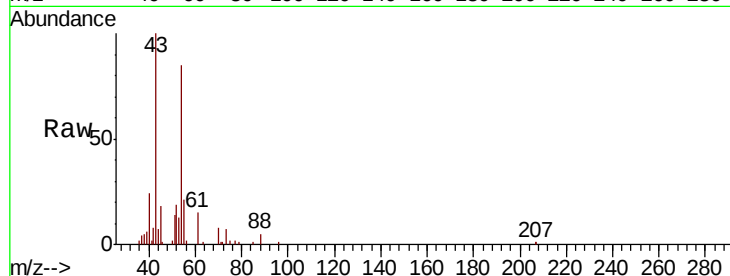
#37
Ethyl Acetate
Concen: 20.008 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	8.6	7.6	11.4

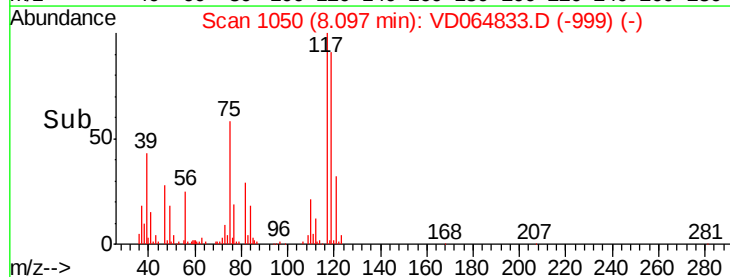
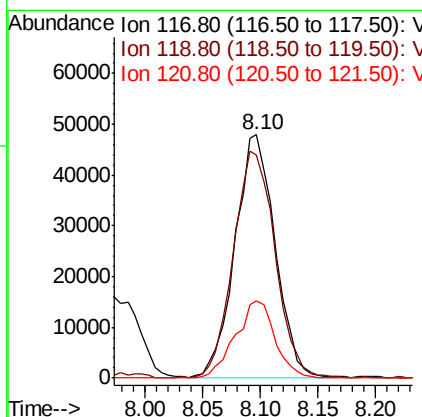
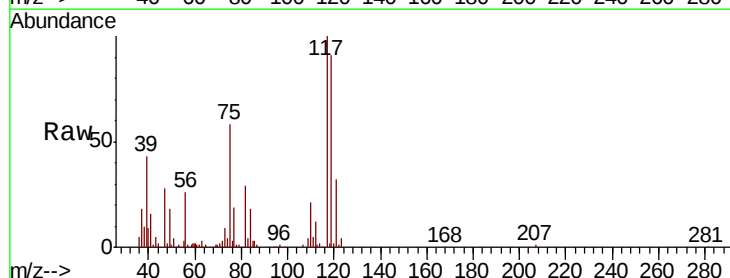
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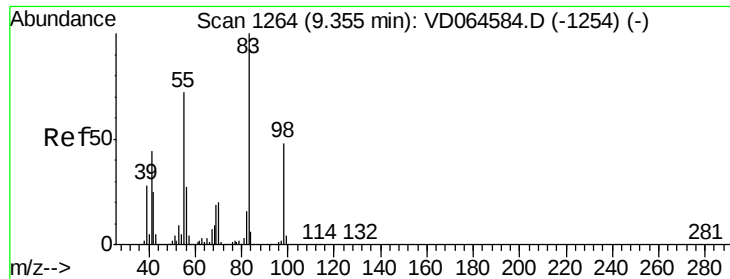
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#38
Carbon Tetrachloride
Concen: 20.799 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	77.3	115.9
121	31.7	25.0	37.6





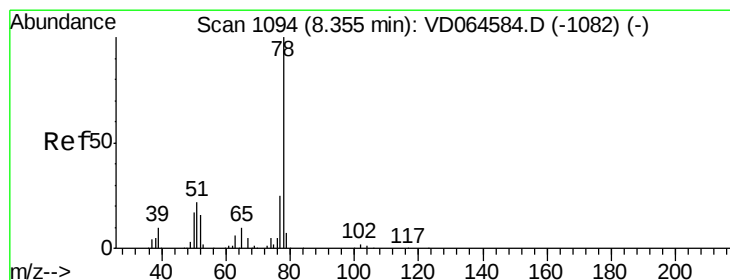
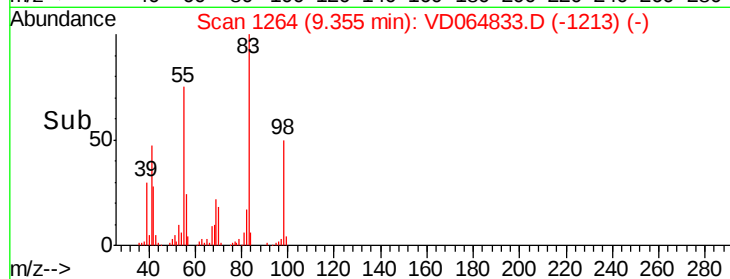
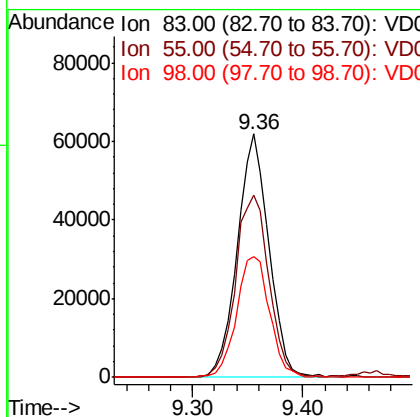
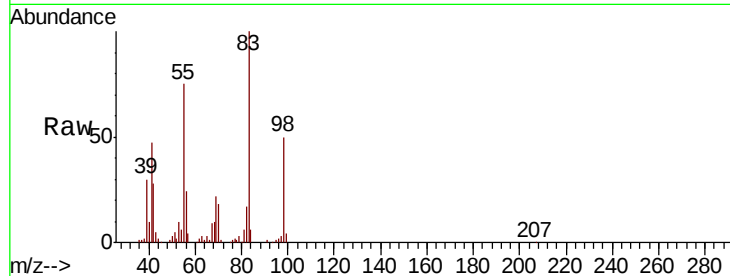
#39
Methvlcvclohexane
Concen: 19.591 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.6
98	49.8	38.7	58.1

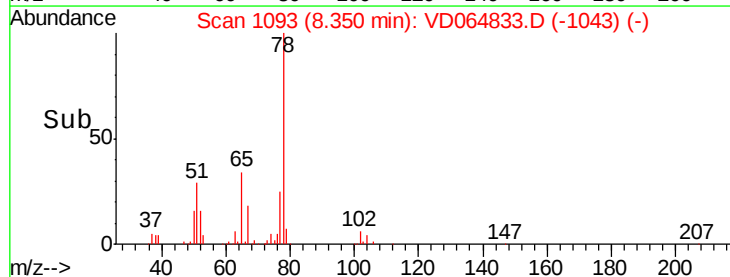
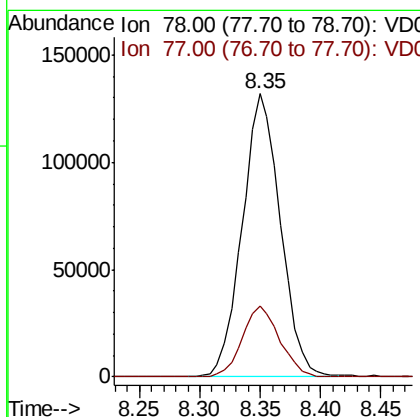
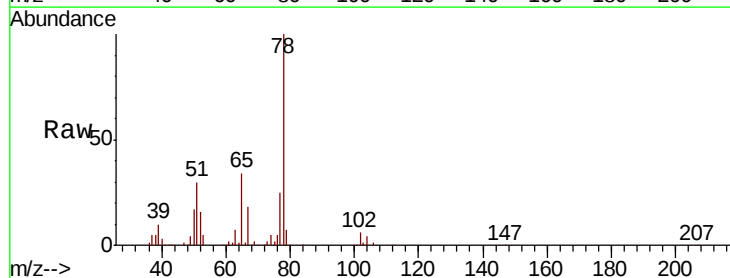
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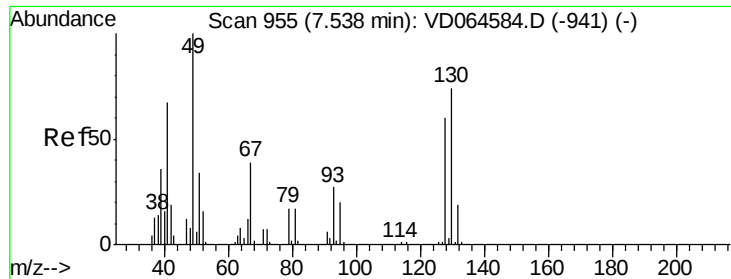
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#40
Benzene
Concen: 20.298 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





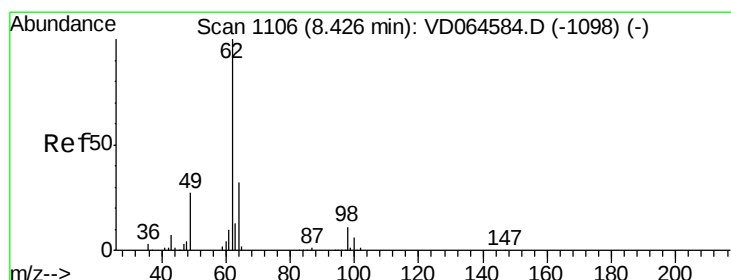
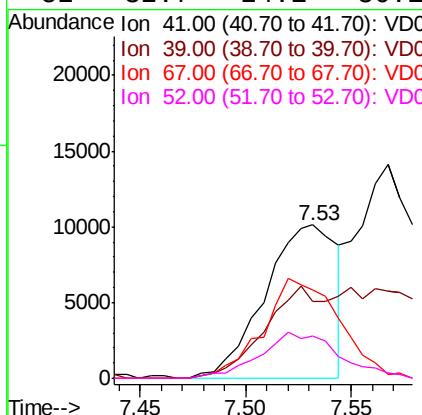
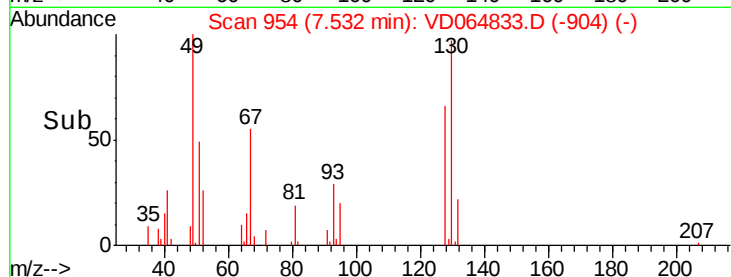
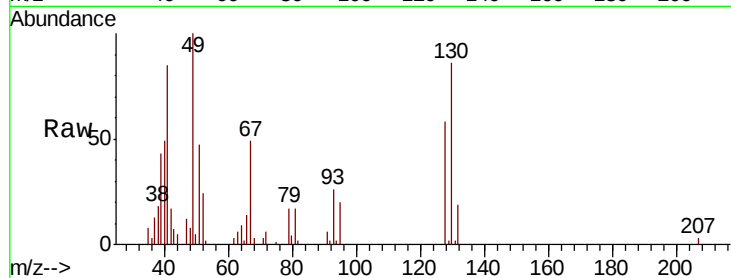
#41
Methacrylonitrile
Concen: 20.055 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	41	Resp	23979
Ion	Ratio	Lower	Upper
41	100		
39	49.4	46.7	70.1
67	68.6	52.5	78.7
52	32.7	24.1	36.1

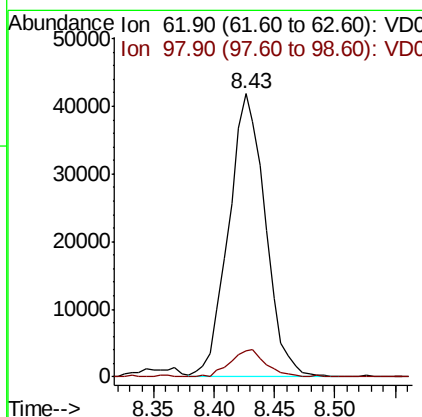
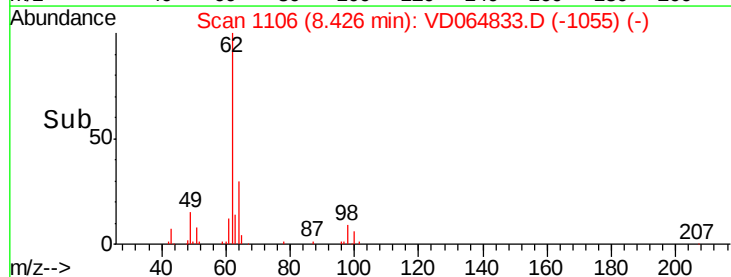
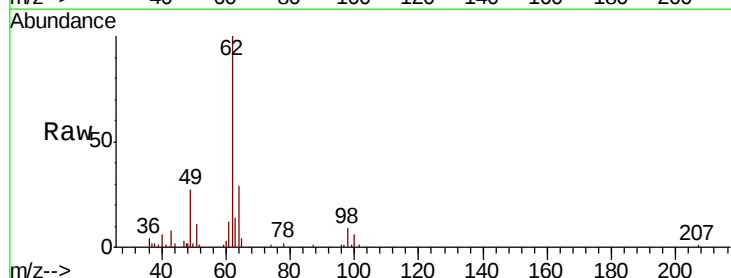
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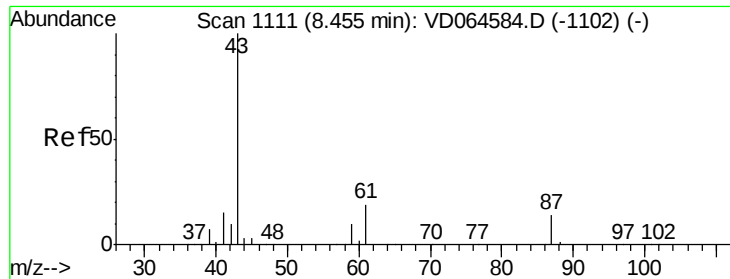
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#42
1,2-Dichloroethane
Concen: 21.452 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	62	Resp	88771
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.485 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

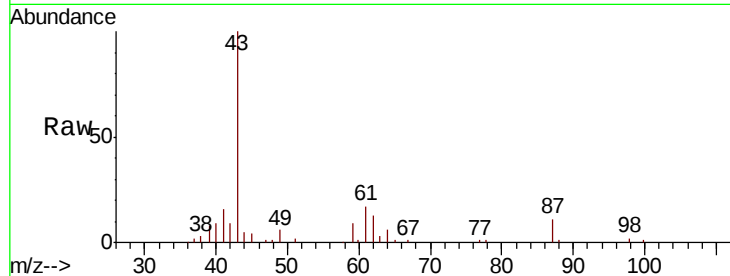
ClientSampleId :

VD0110SBS01

Tot Ion:	43	Resp:	79923
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.7	35.5
87	12.1	10.5	15.7

Manual Integrations
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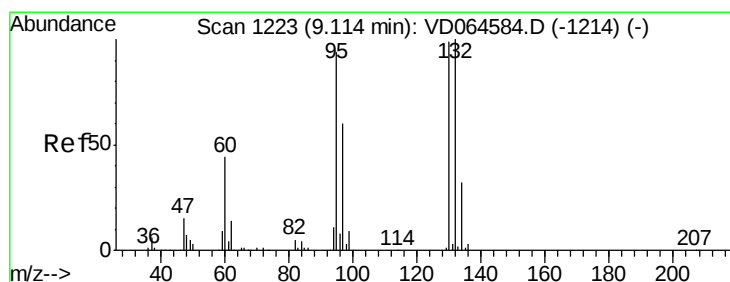
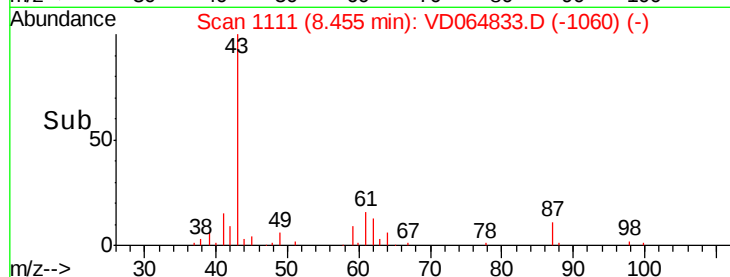
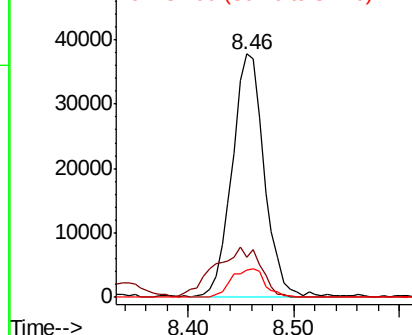


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.179 ug/l

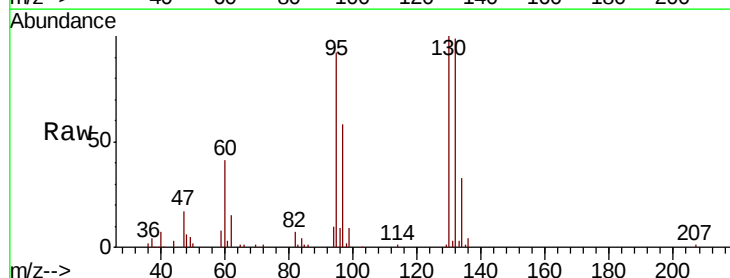
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

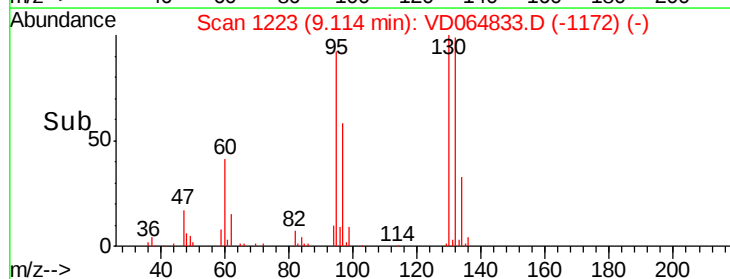
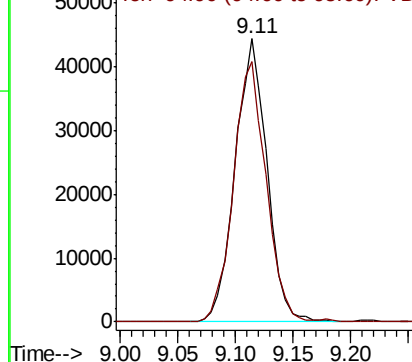
Tgt Ion:	130	Resp:	84889
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	190.2



Abundance

Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.356 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 63 Resp: 73020

Ion Ratio Lower Upper

63 100

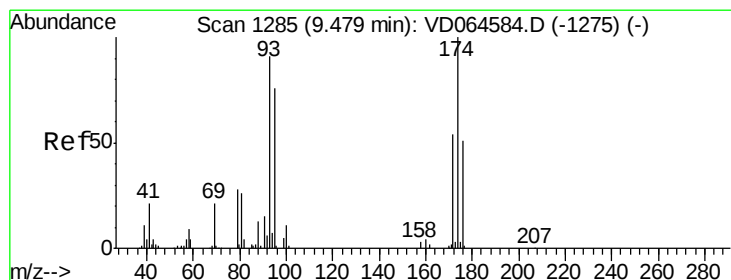
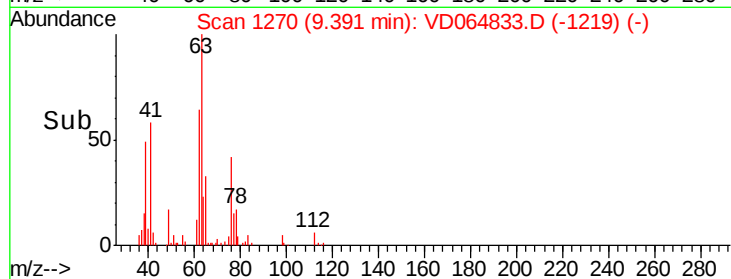
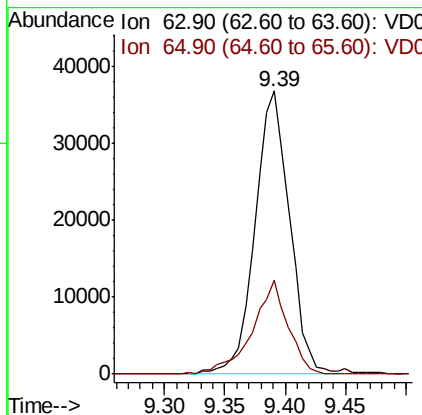
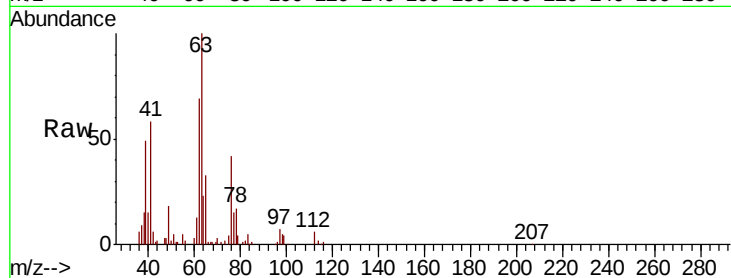
65 33.4 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 19.860 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

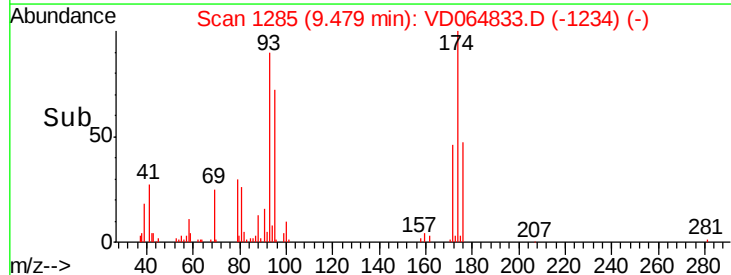
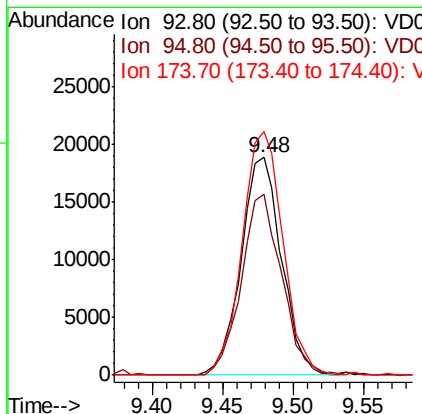
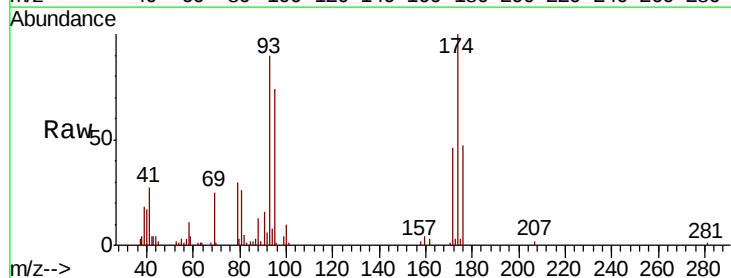
Tgt Ion: 93 Resp: 37859

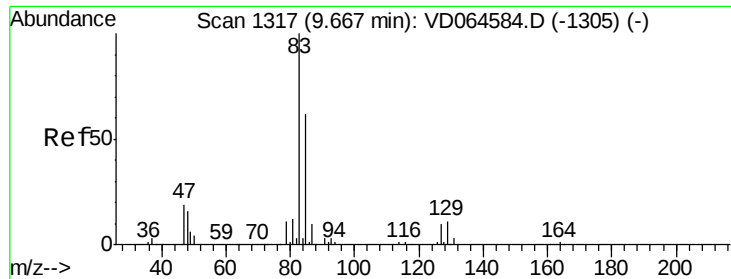
Ion Ratio Lower Upper

93 100

95 82.8 64.6 97.0

174 112.7 88.1 132.1





#47

Bromodichloromethane

Concen: 20.543 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

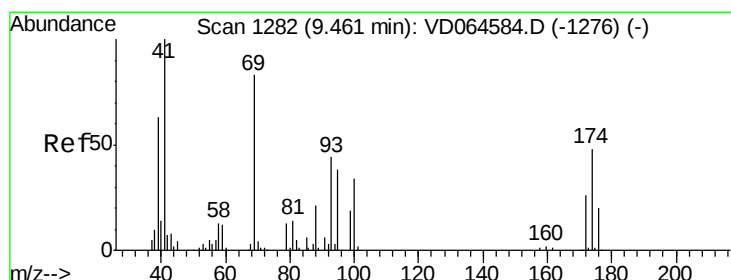
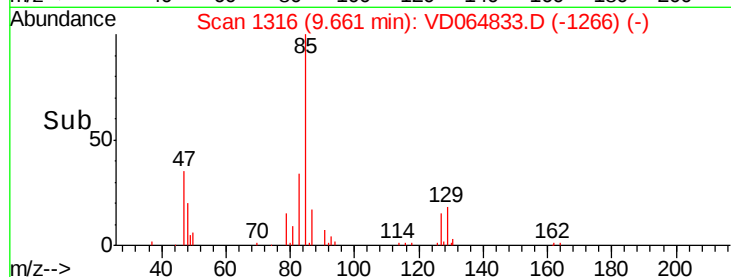
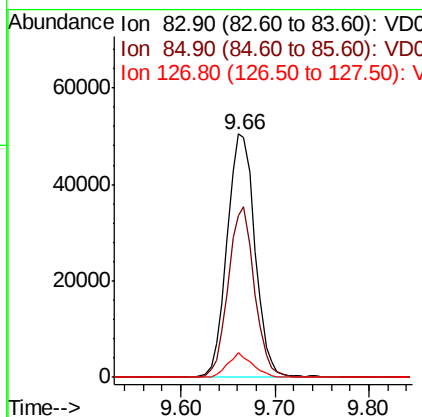
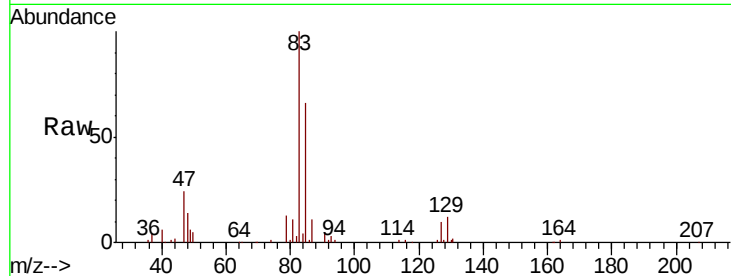
ClientSampleId :

VD0110SBS01

Tot Ion:	83	Resp:	104205
Ion Ratio	Lower	Upper	
83	100		
85	66.5	49.5	74.3
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.175 ug/l

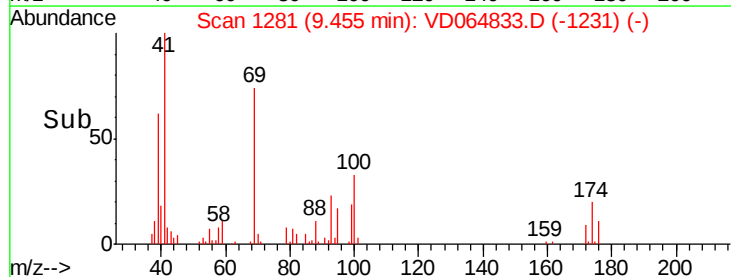
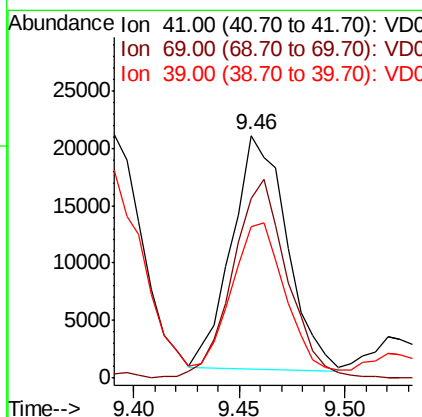
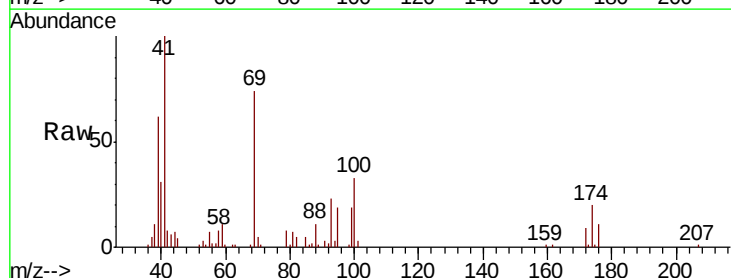
RT: 9.46 min Scan# 1281

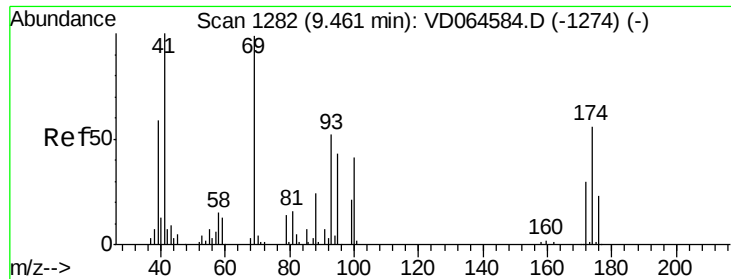
Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	41	Resp:	37034
Ion Ratio	Lower	Upper	
41	100		
69	84.0	63.0	94.6
39	60.1	47.4	71.2





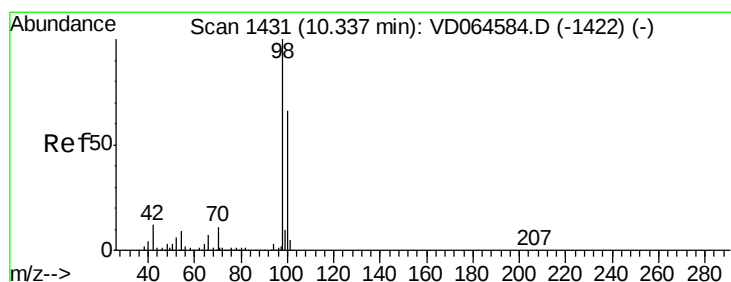
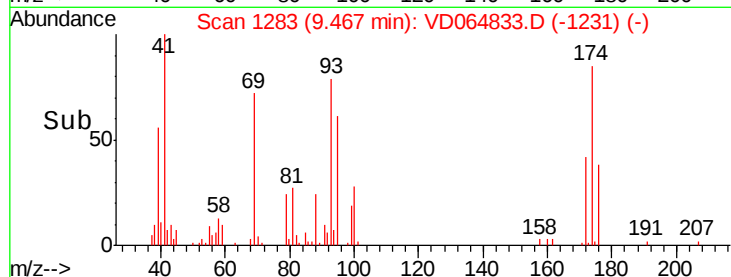
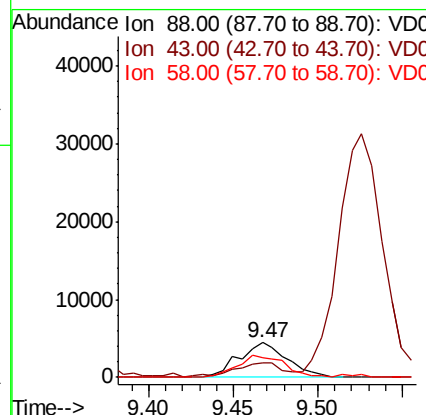
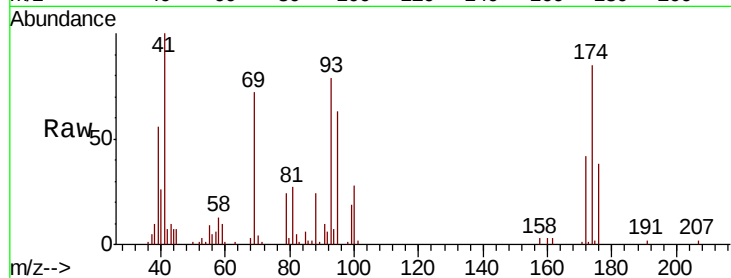
#49
1,4-Dioxane
Concen: 403.535 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	88	Resp	8870
Ion Ratio	100	Lower	Upper
88	100		
43	42.3	27.7	41.5#
58	63.1	53.8	80.6

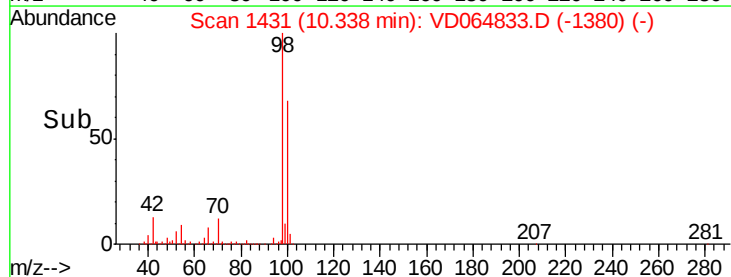
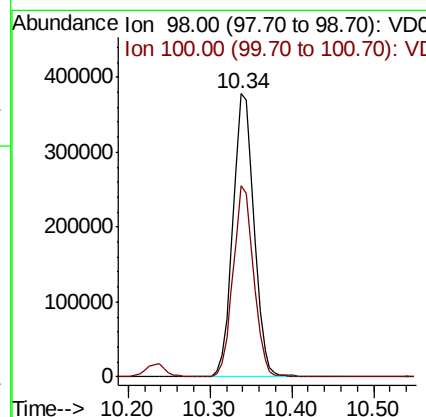
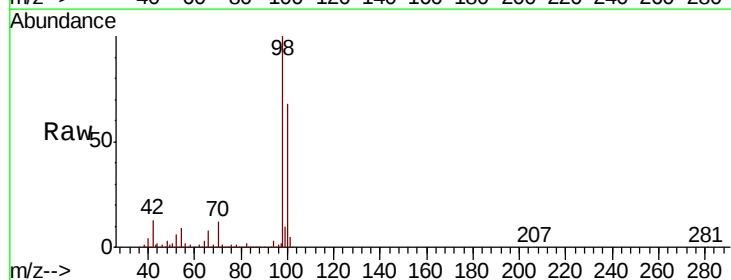
Manual Integrations
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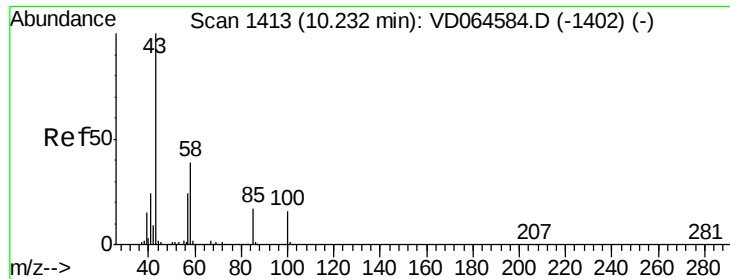
MMDadoda
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#50
Toluene-d8
Concen: 53.358 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	98	Resp	683313
Ion Ratio	100	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 96.885 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 43 Resp: 196429

Ion Ratio Lower Upper

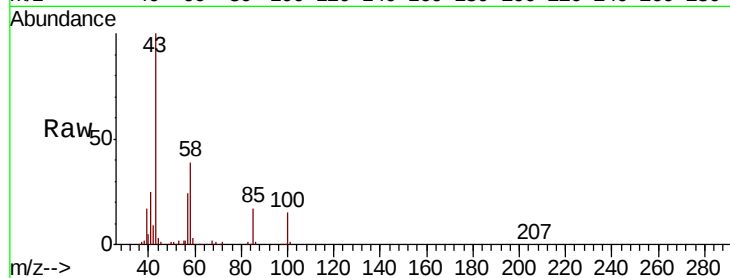
43 100

58 37.5 30.2 45.2

Manual Integrations
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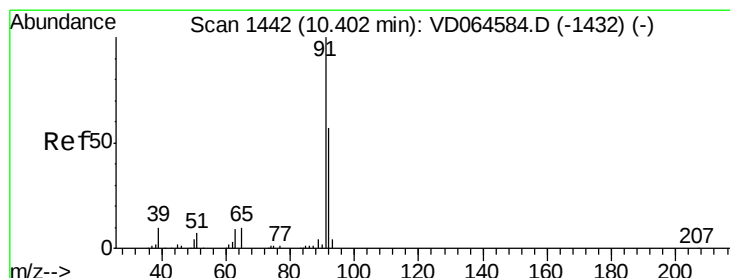
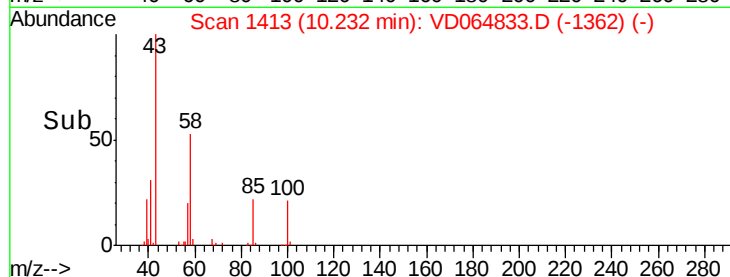
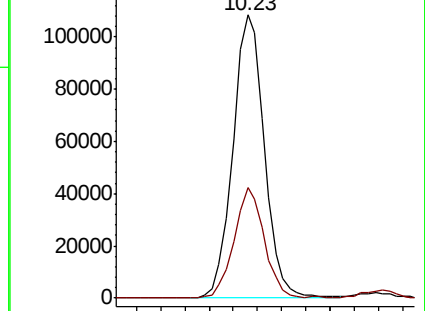
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.264 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064833.D

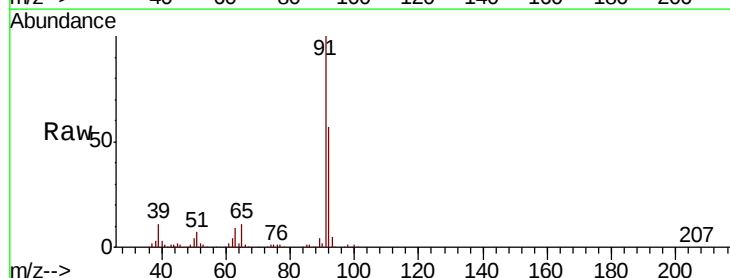
Acq: 10 Jan 2020 15:12

Tgt Ion: 92 Resp: 190381

Ion Ratio Lower Upper

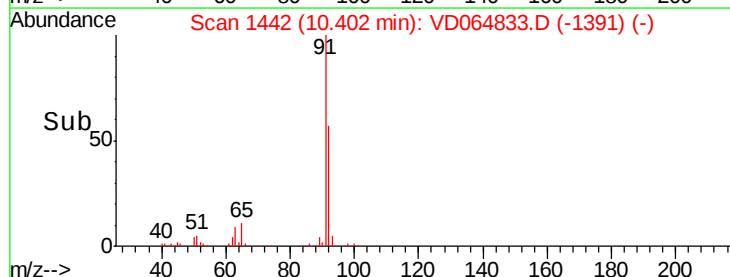
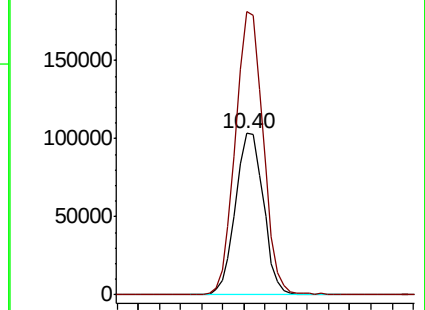
92 100

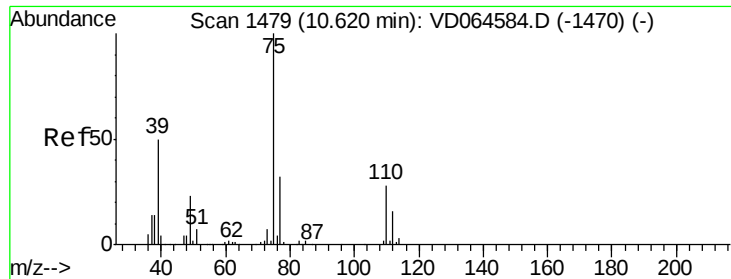
91 173.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





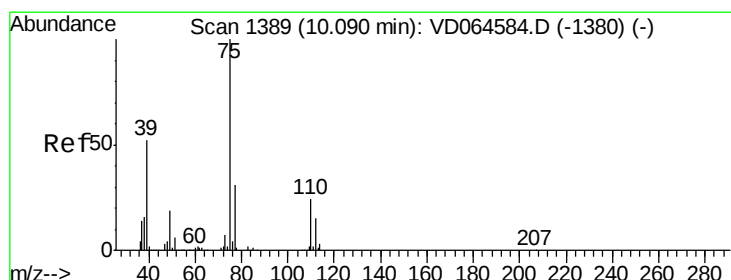
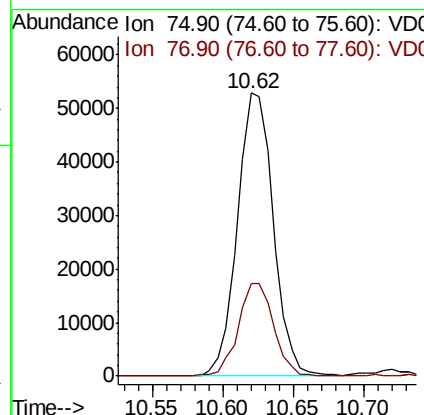
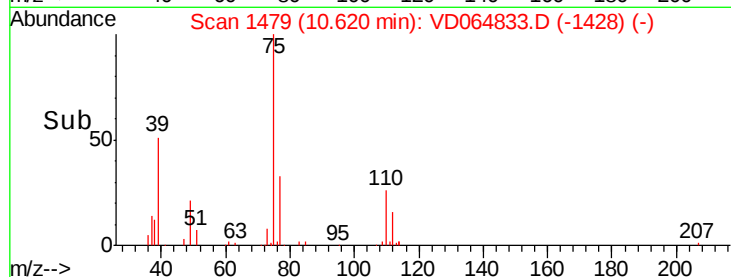
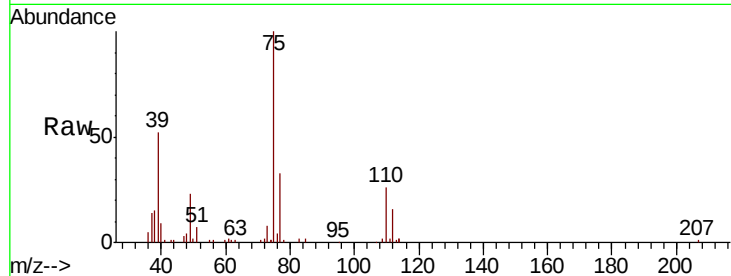
#53
t-1,3-Dichloropropene
Concen: 19.893 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 75 Resp: 94079
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

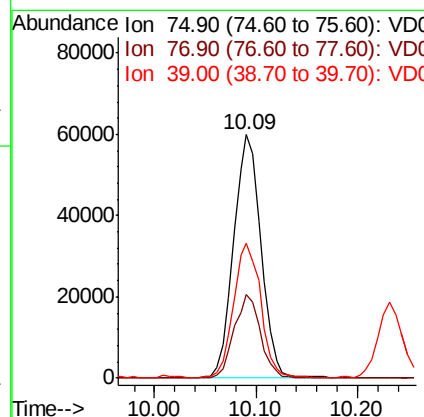
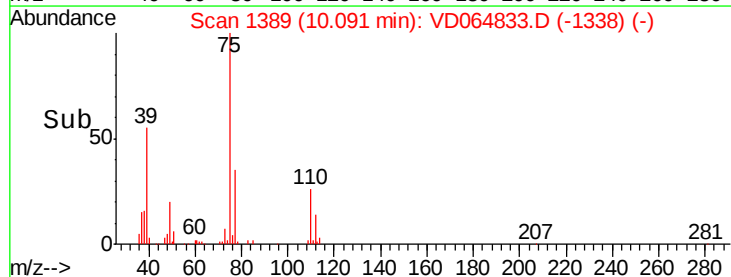
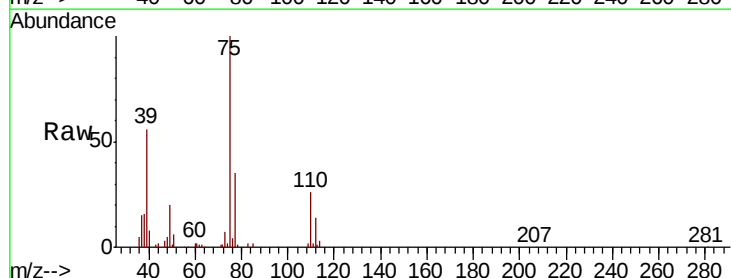
Manual Integrations
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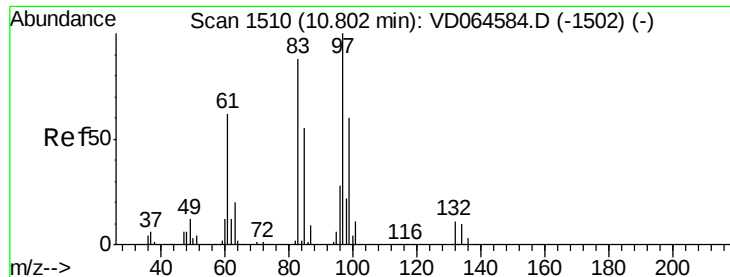
MMDadoda
1/13/2020 12:38:18 PM



#54
cis-1,3-Dichloropropene
Concen: 20.102 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 75 Resp: 112097
Ion Ratio Lower Upper
75 100
77 34.5 24.6 36.8
39 55.3 41.4 62.2





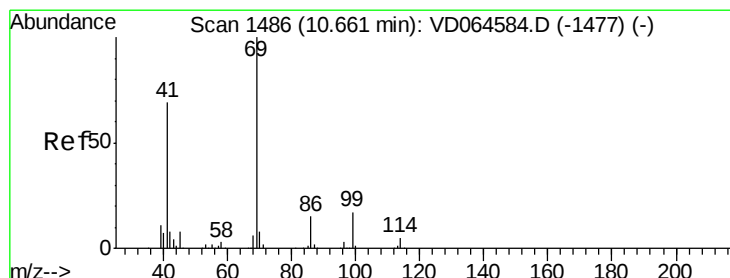
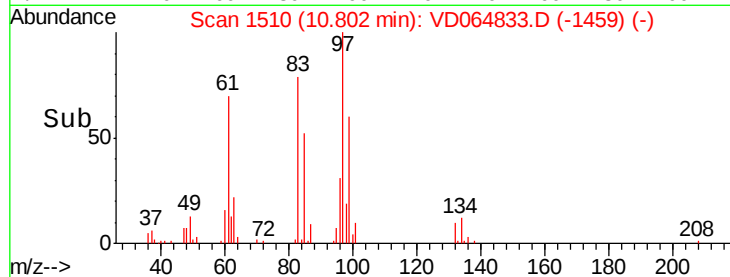
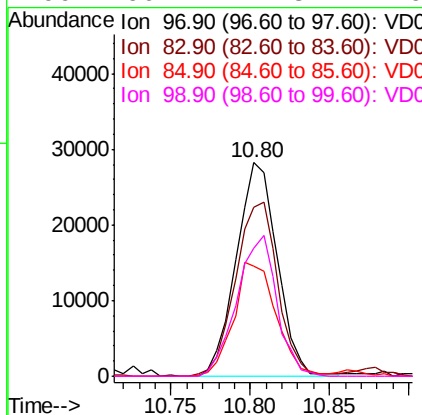
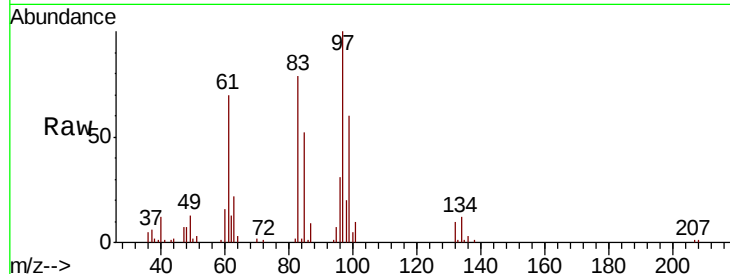
#55
 1,1,2-Trichloroethane
 Concen: 19.825 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.1	70.2	105.4
85	51.5	44.0	66.0
99	60.1	47.8	71.6

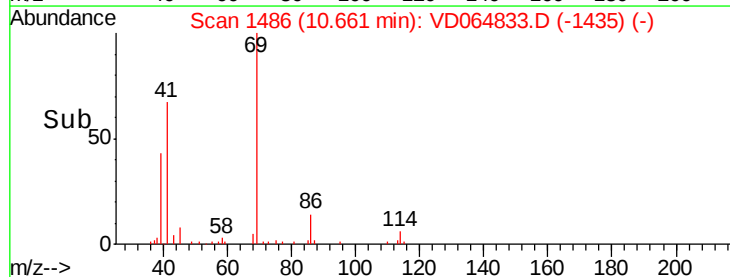
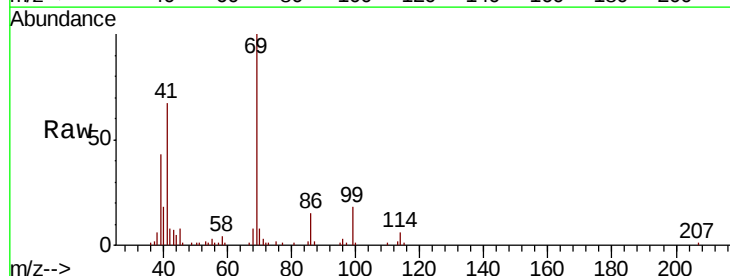
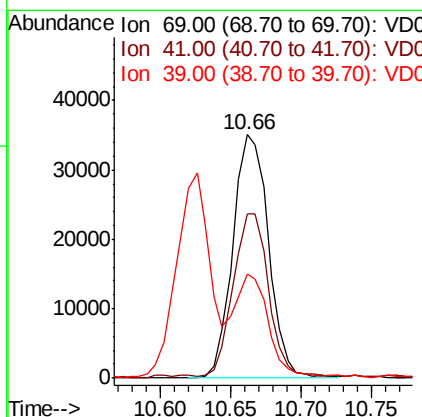
Manual Integrations
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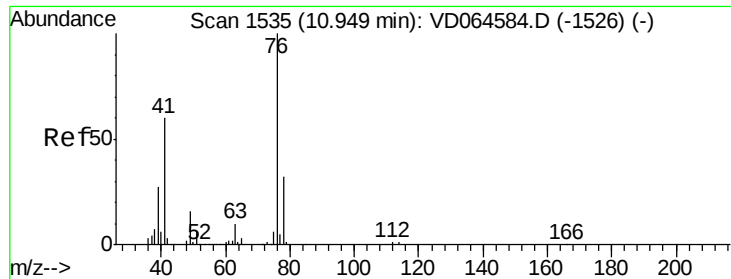
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 1/13/2020 12:38:18 PM



#56
 Ethyl methacrylate
 Concen: 19.306 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.6	55.3	82.9
39	39.7	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.141 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 76 Resp: 89090

Ion Ratio Lower Upper

76 100

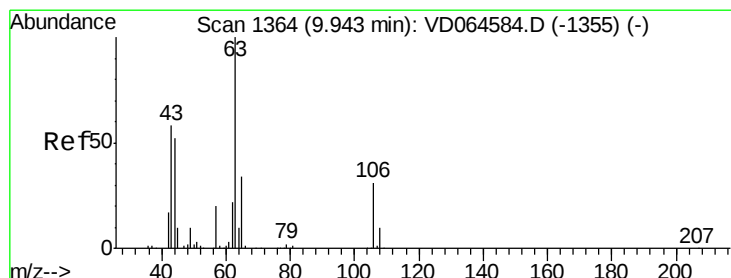
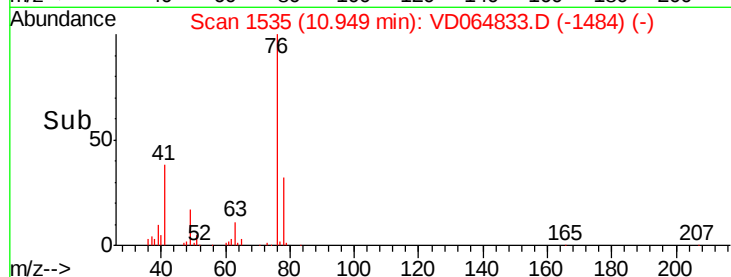
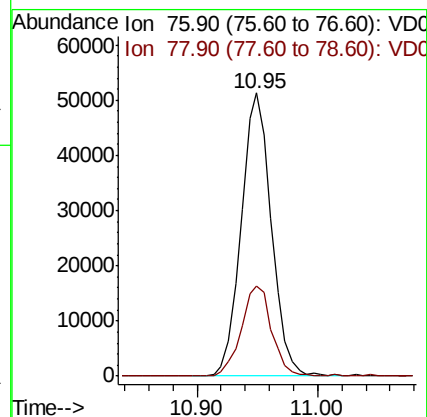
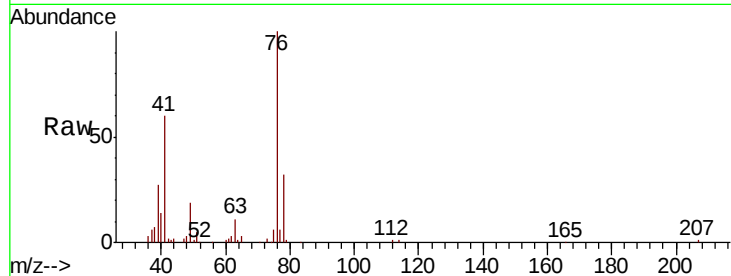
78 32.0 26.2 39.4

Manual Integrations

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MMDadoda

1/13/2020 12:38:18 PM



#58

2-Chloroethyl Vinyl ether

Concen: 118.851 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064833.D

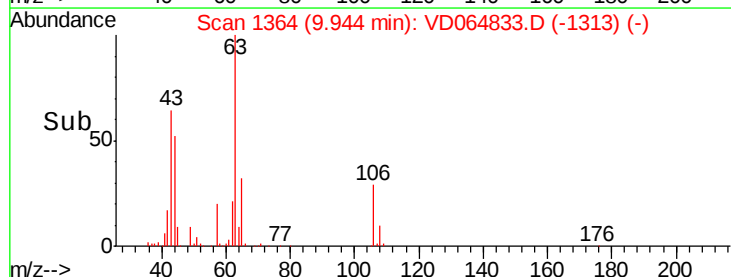
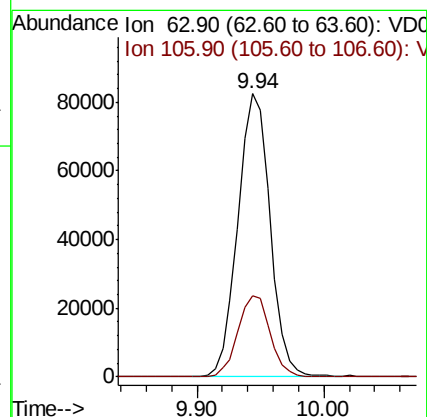
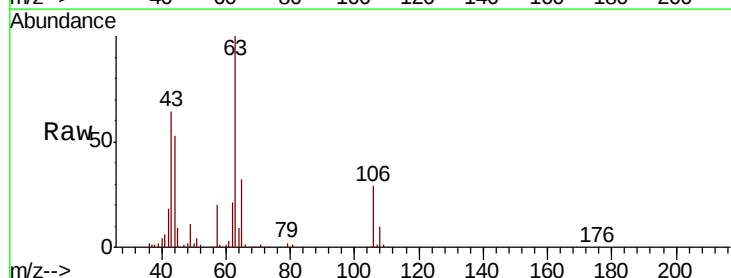
Acq: 10 Jan 2020 15:12

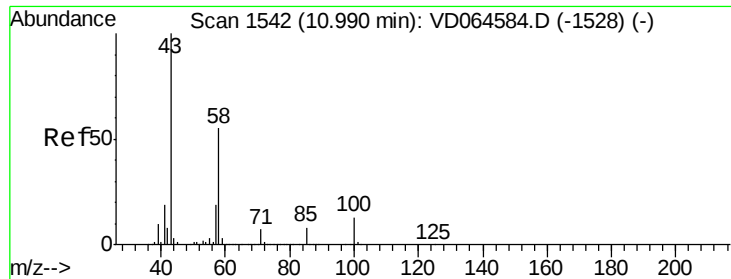
Tgt Ion: 63 Resp: 145280

Ion Ratio Lower Upper

63 100

106 28.5 23.8 35.8





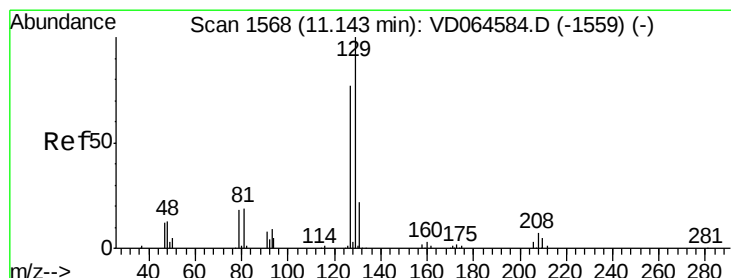
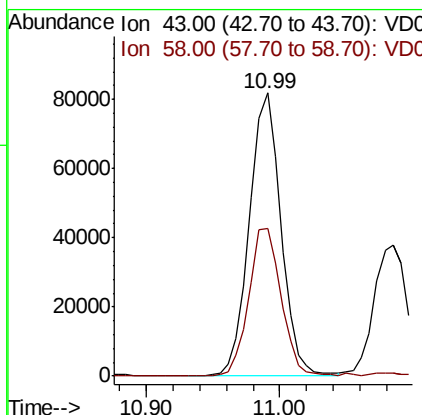
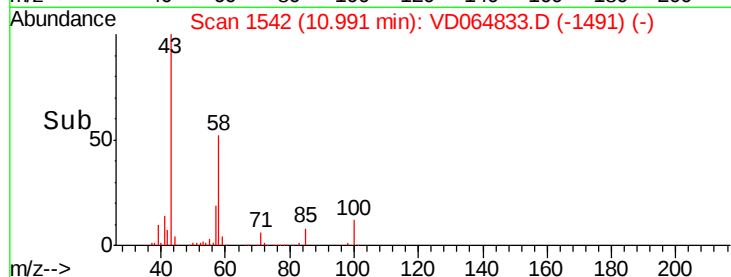
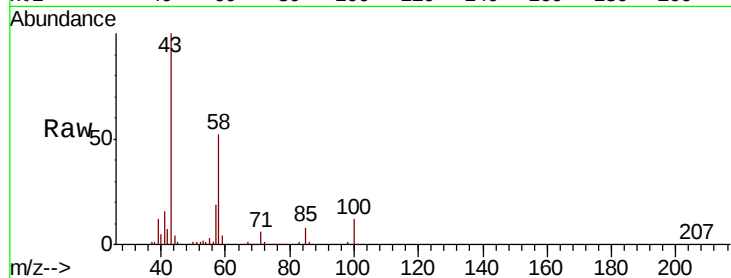
#59
2-Hexanone
Concen: 97.507 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 134176
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

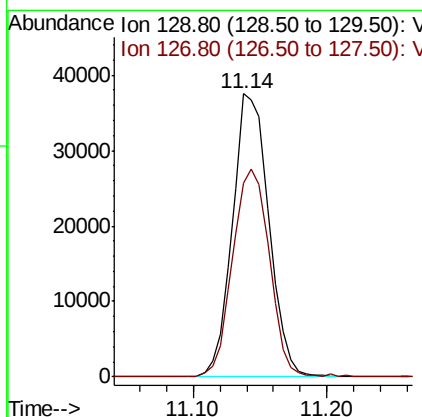
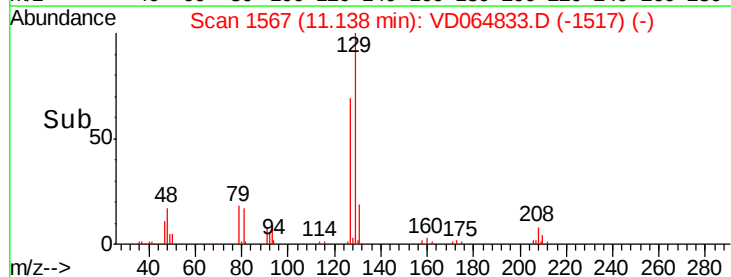
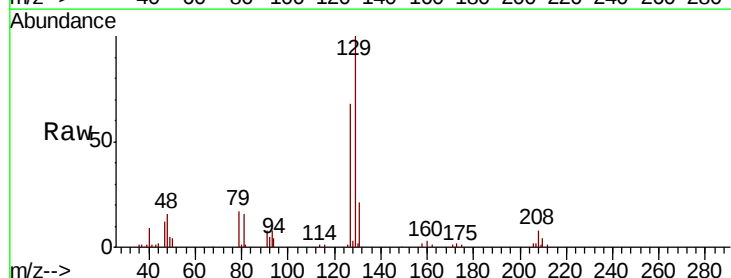
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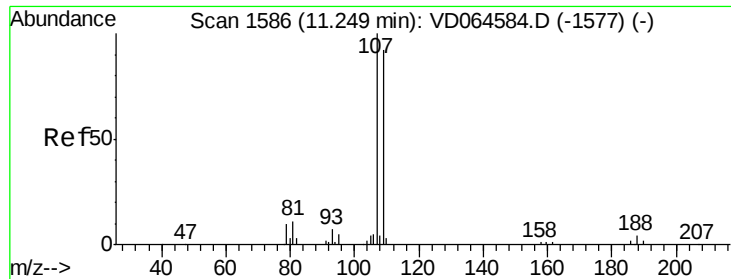
MMDadoda
1/13/2020 12:38:18 PM



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 129 Resp: 70925
Ion Ratio Lower Upper
129 100
127 74.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.978 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 107 Resp: 50622

Ion Ratio Lower Upper

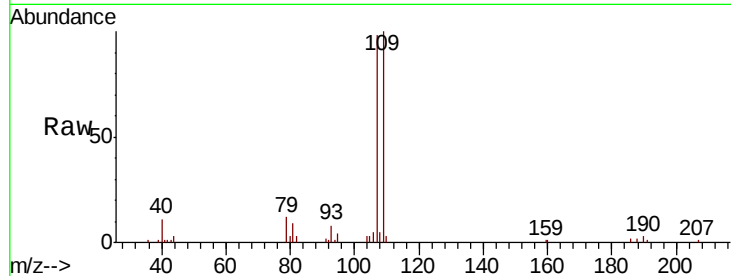
107 100

109 93.4 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

30000

25000

20000

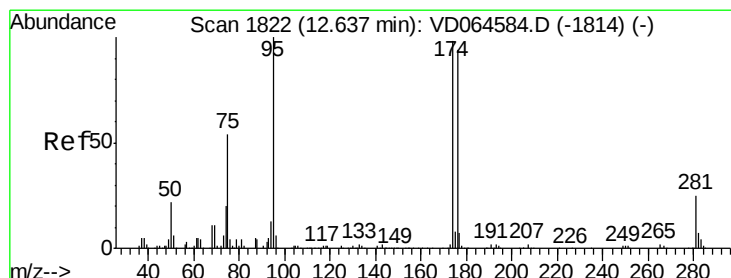
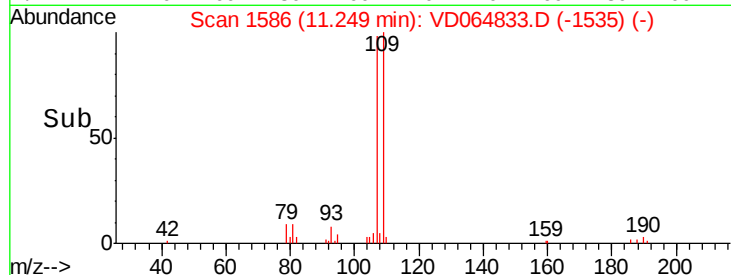
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.558 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

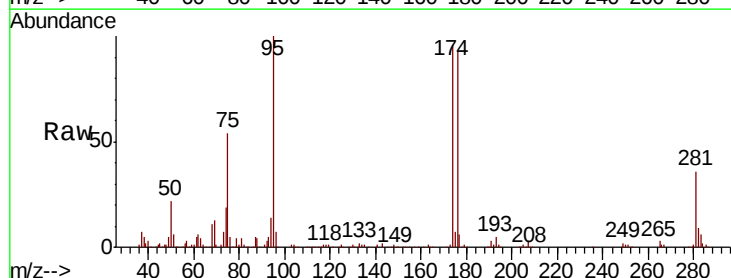
Tgt Ion: 95 Resp: 216880

Ion Ratio Lower Upper

95 100

174 94.8 0.0 193.2

176 90.7 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

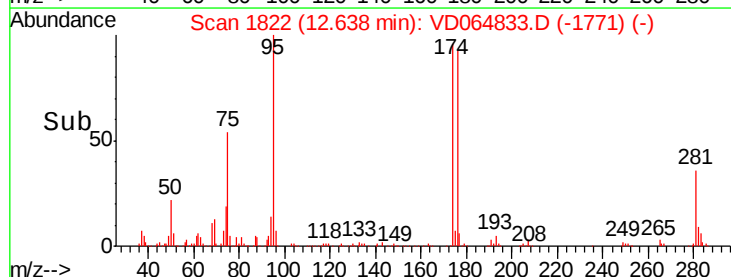
150000

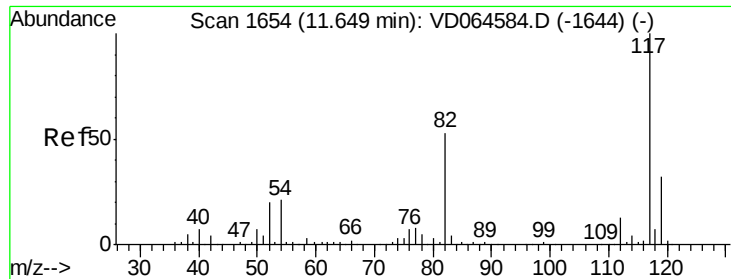
100000

50000

0

Time-->





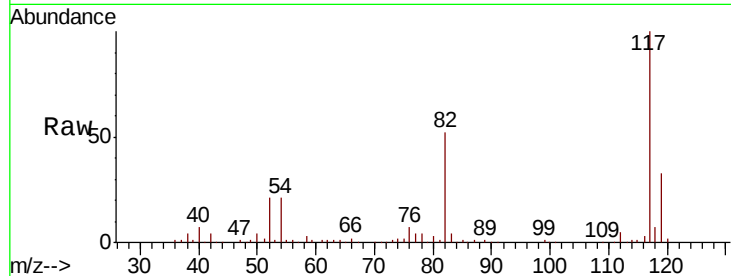
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.2	63.4
119	33.1	26.0	39.0

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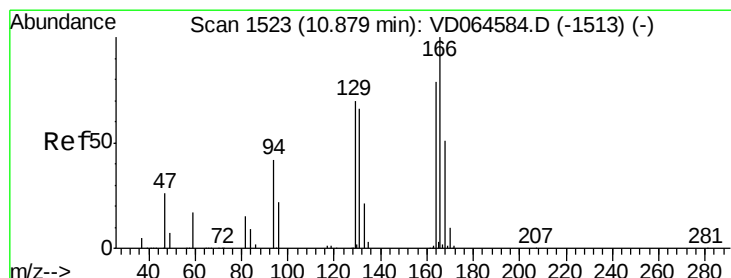
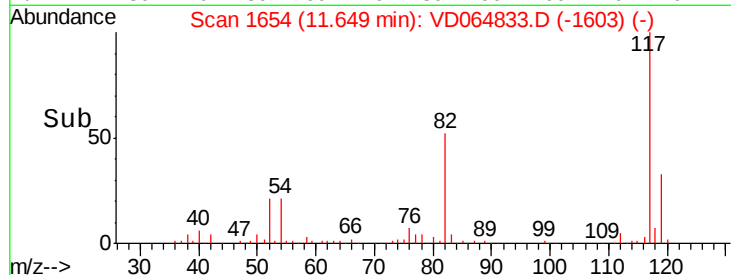
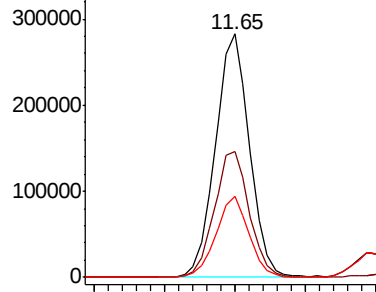


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.369 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.3	151.9
129	95.5	70.5	105.7
131	88.0	66.6	99.8

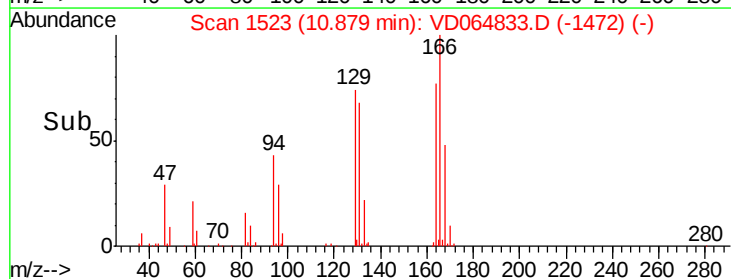
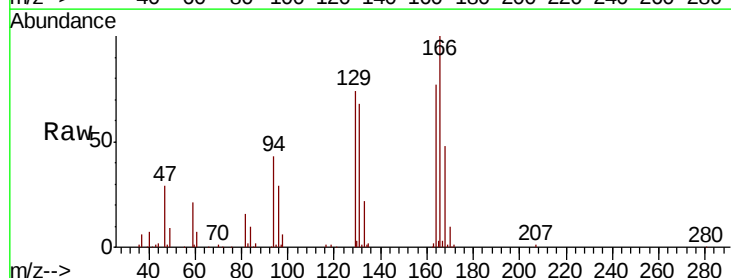
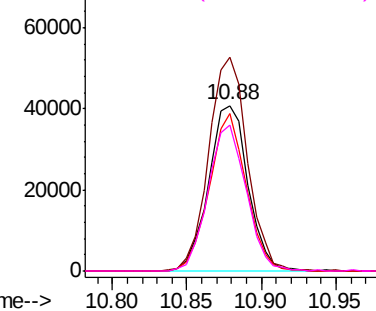
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





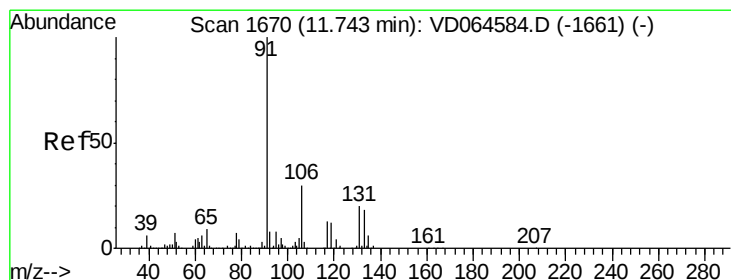
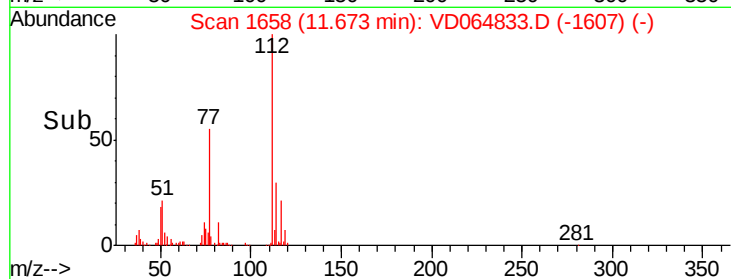
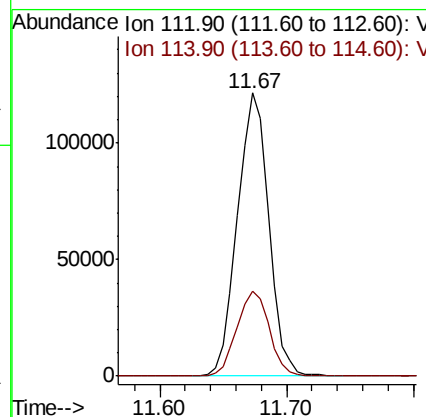
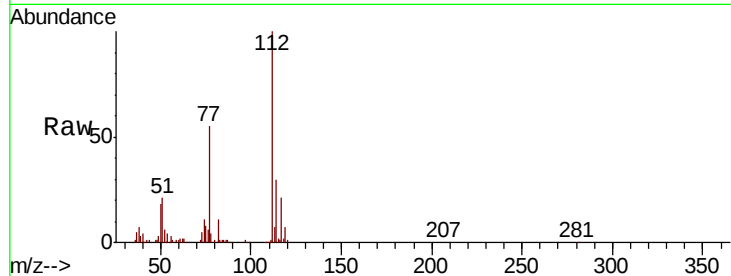
#65
Chlorobenzene
Concen: 21.011 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	24.8	37.2

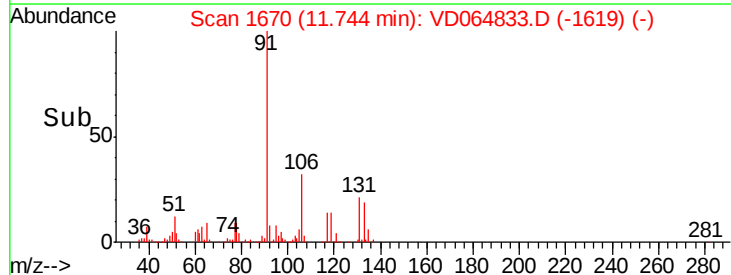
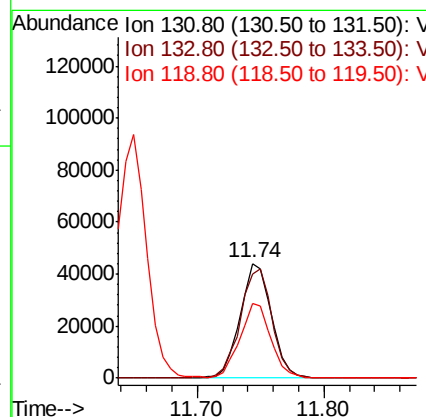
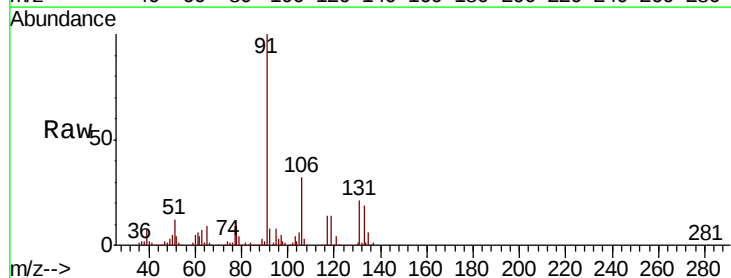
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.159 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.3	144.8
119	64.6	32.1	96.3





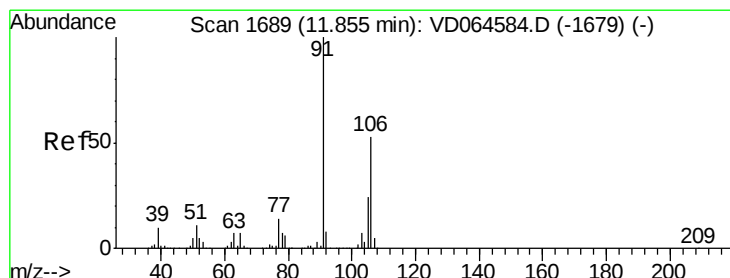
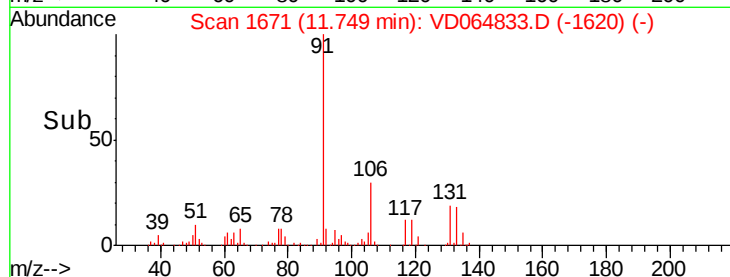
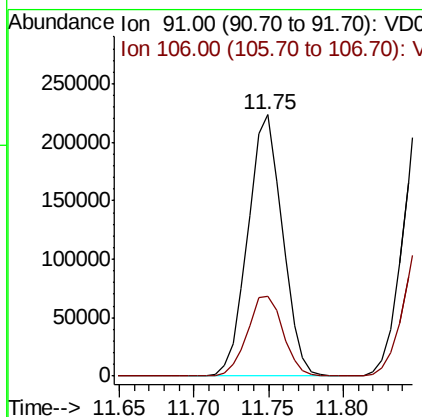
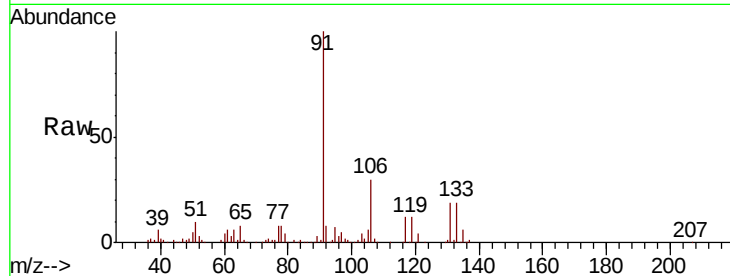
#67
Ethyl Benzene
Concen: 20.004 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8

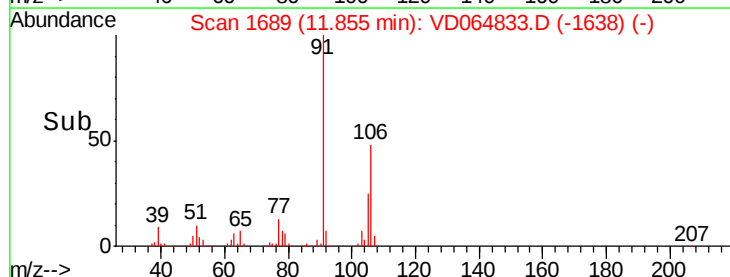
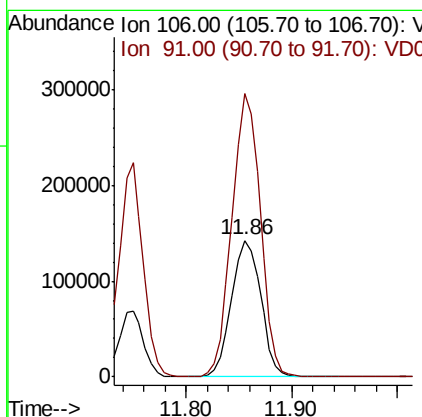
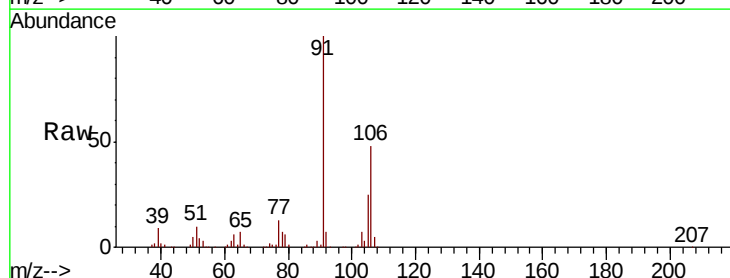
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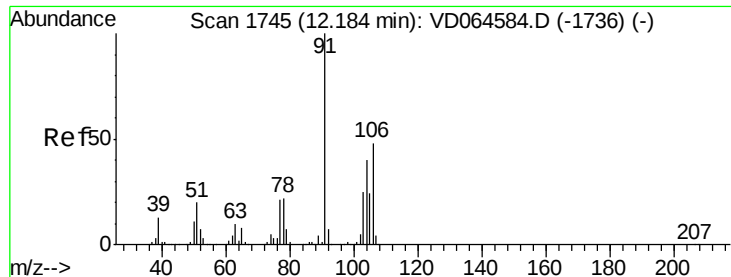
MMDadoda
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#68
m/p-Xylenes
Concen: 39.662 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.5	156.3	234.5





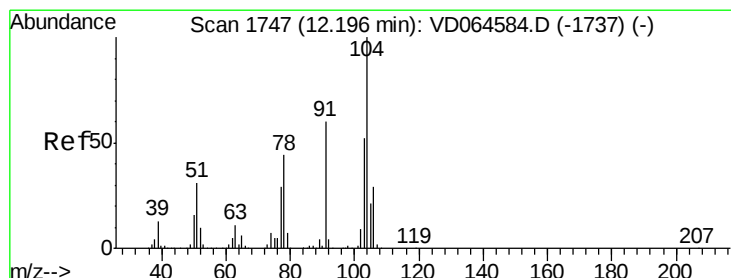
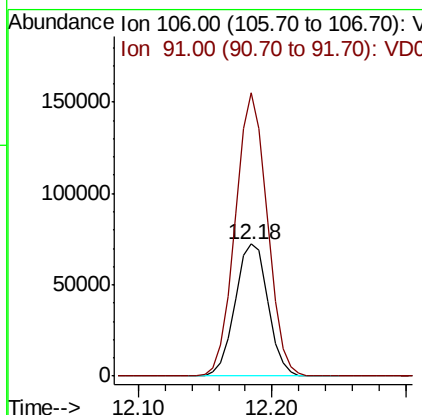
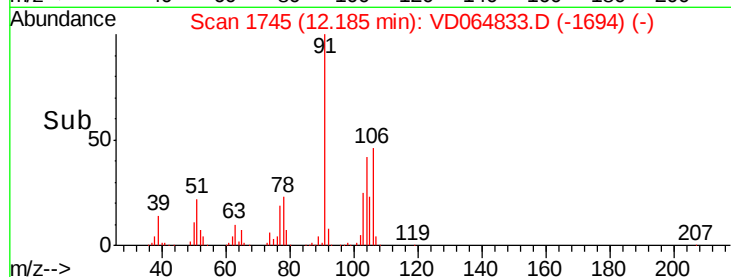
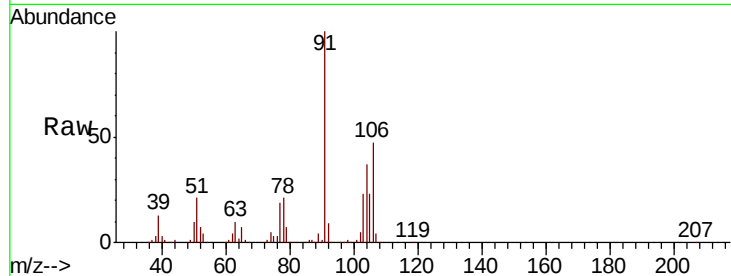
#69
o-Xylene
Concen: 19.726 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		123255		
91	209.6	104.8	314.4		

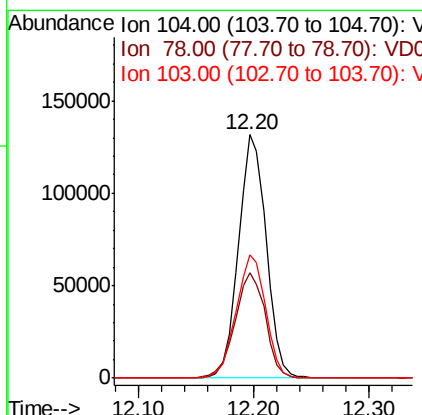
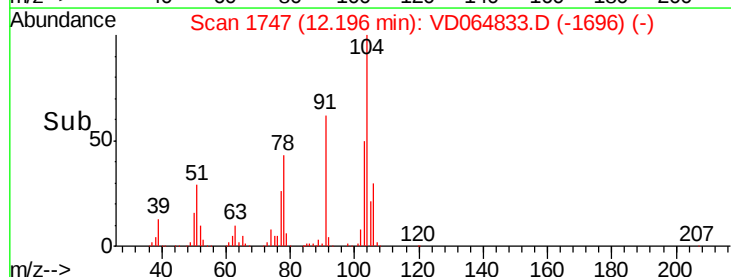
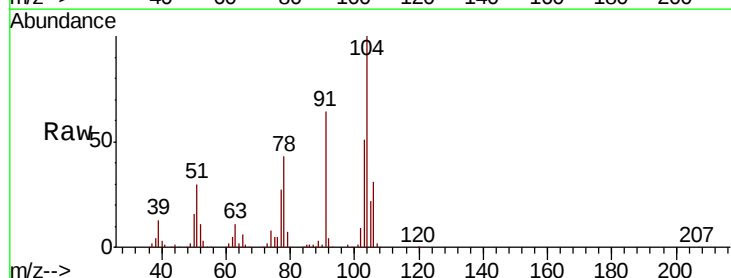
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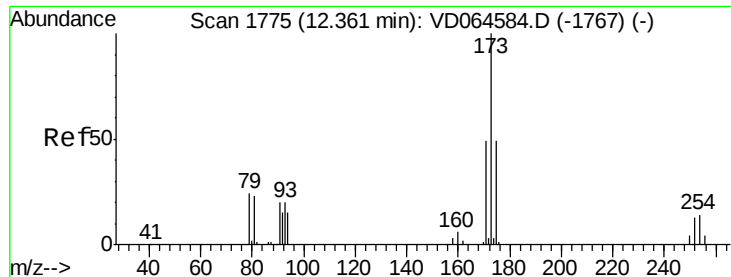
MMDadoda
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#70
Styrene
Concen: 19.972 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		219045		
78	47.4	38.2	57.2		
103	53.9	44.6	67.0		





#71

Bromoform

Concen: 19.371 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion:173 Resp: 41120

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

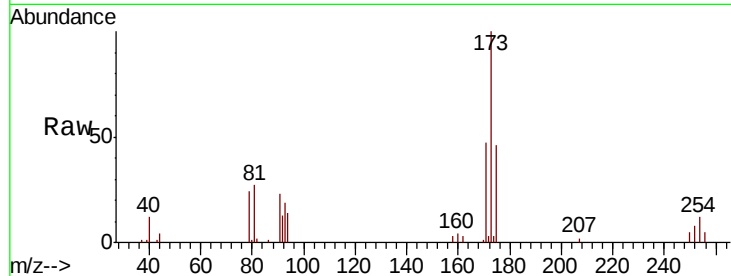
254 0.0 0.1 0.1#

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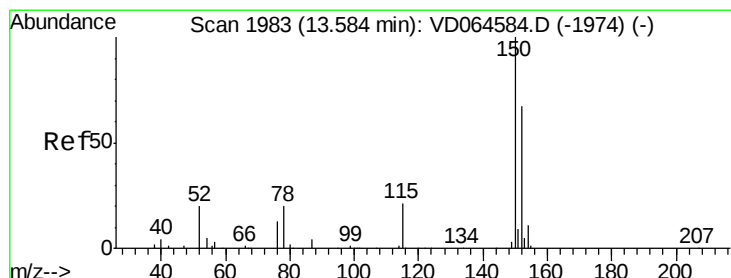
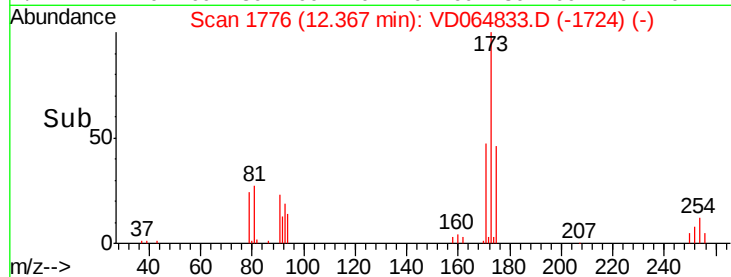
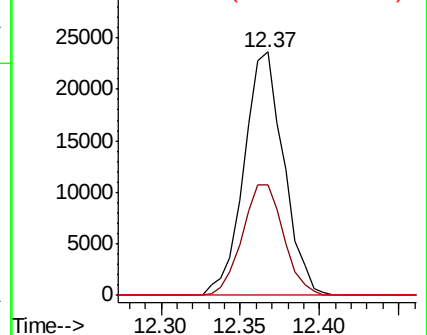
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064833.D

Acq: 10 Jan 2020 15:12

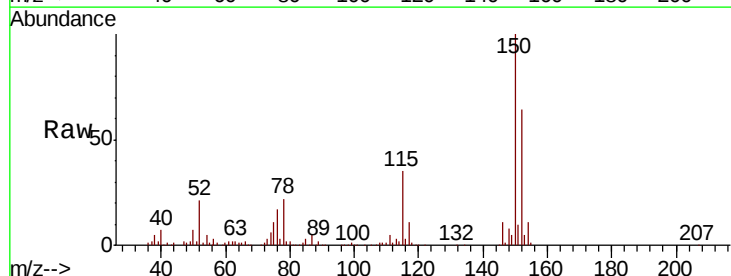
Tgt Ion:152 Resp: 239067

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

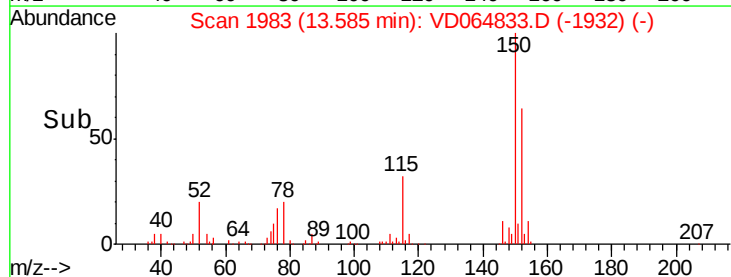
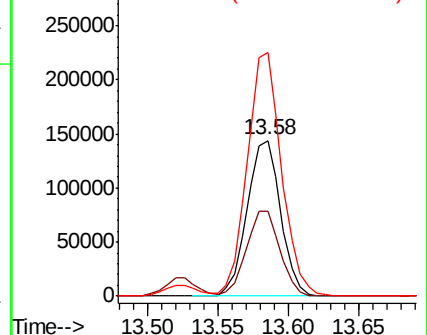
150 160.1 0.0 351.4

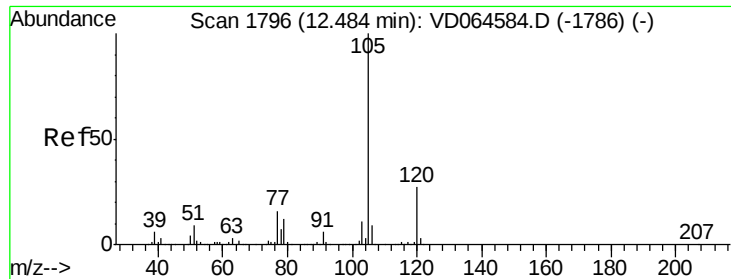


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.181 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 105 Resp: 344775

Ion Ratio Lower Upper

105 100

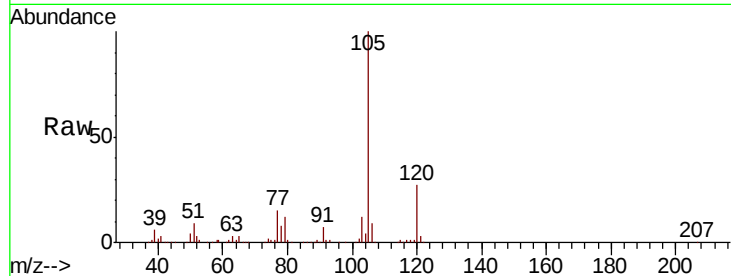
120 26.4 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

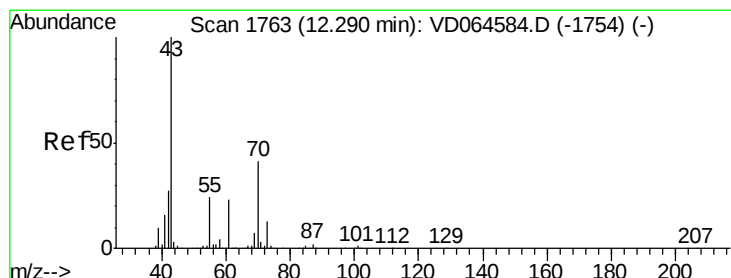
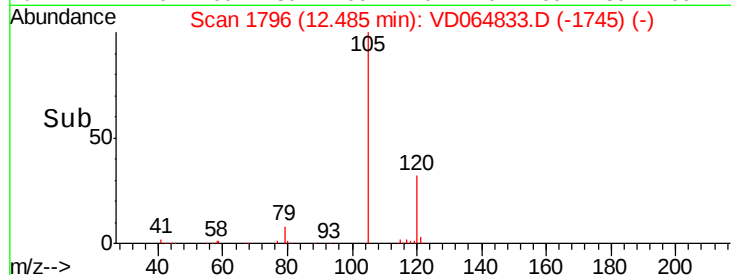
100000

50000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 18.783 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion: 43 Resp: 68596

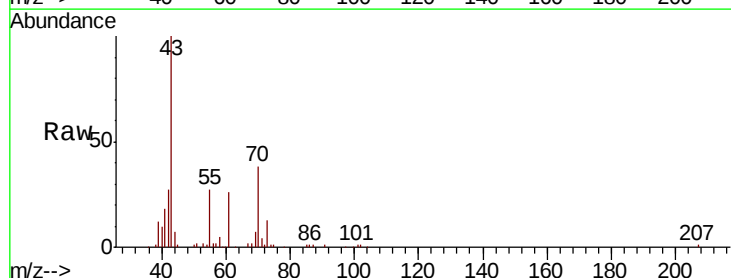
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 26.8 19.4 29.0

61 23.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

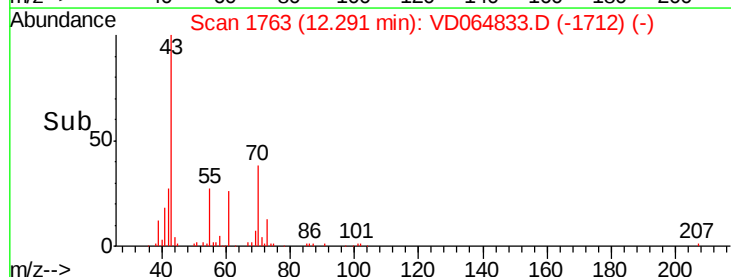
40000

20000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

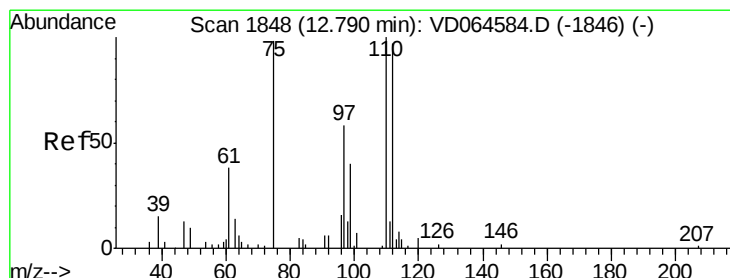
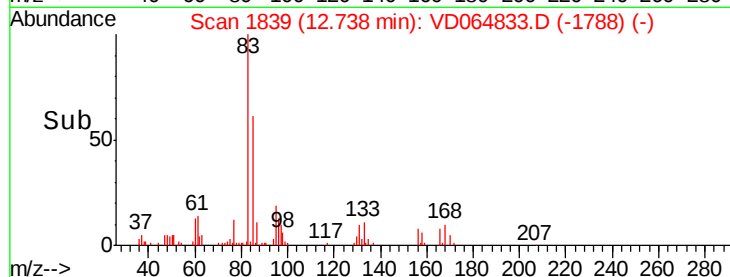
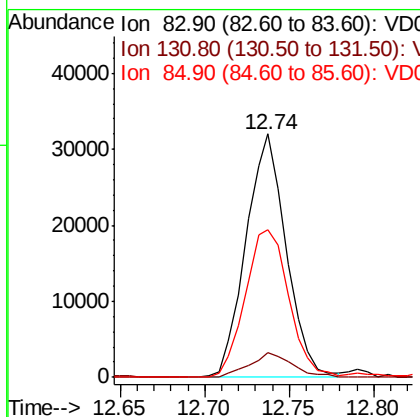
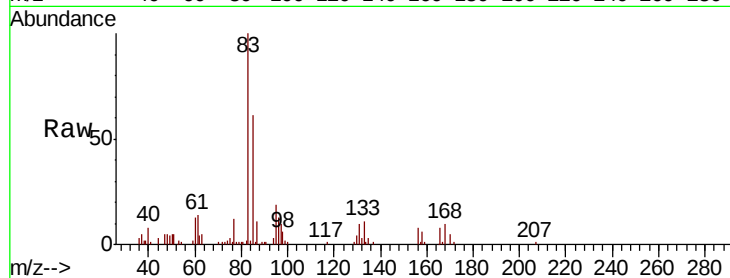
ClientSampleId :

VD0110SBS01

Tot Ion:	83	Resp:	53038
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.8	17.4
85	65.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 17.420 ug/l m

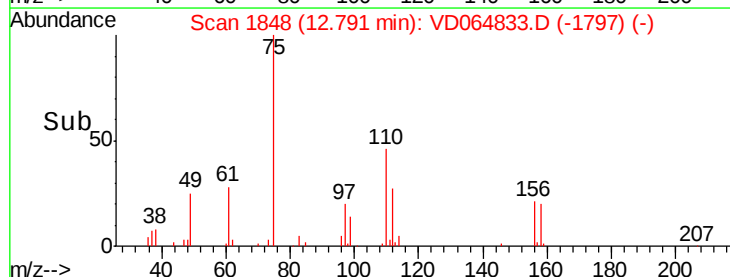
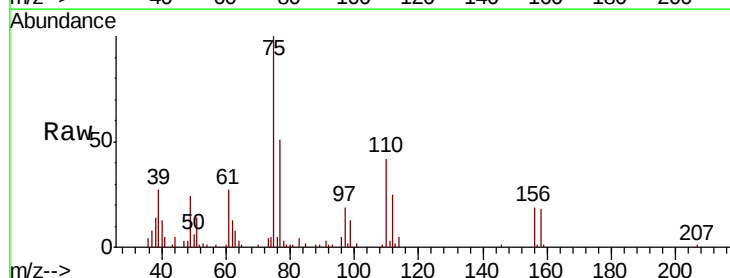
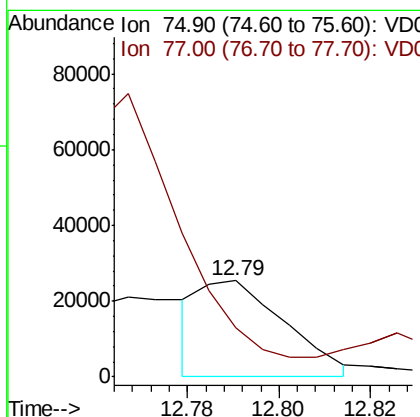
RT: 12.79 min Scan# 1848

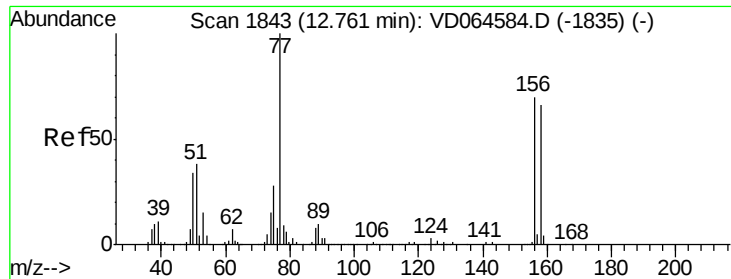
Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	75	Resp:	32885
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.995 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

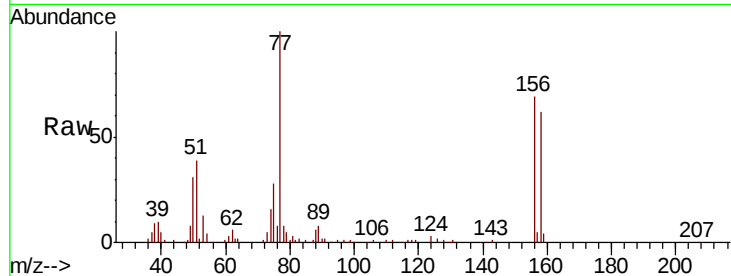
ClientSampleId :

VD0110SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	160.4	80.9	242.7	
158	94.5	48.0	144.2	

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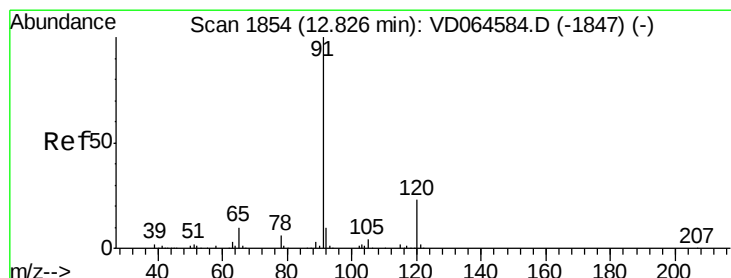
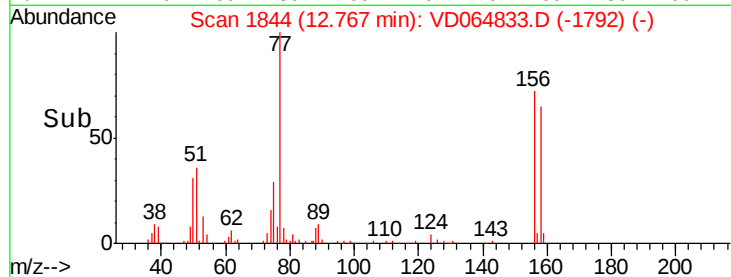
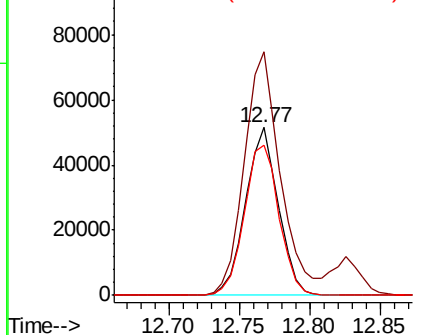
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.502 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

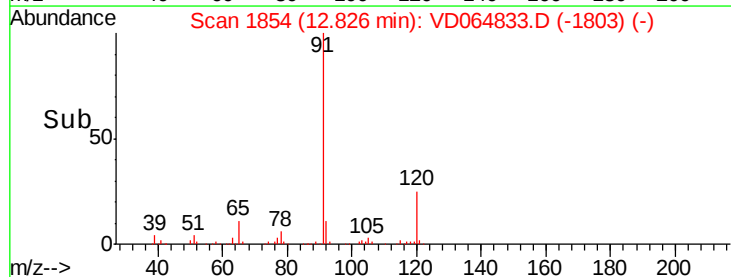
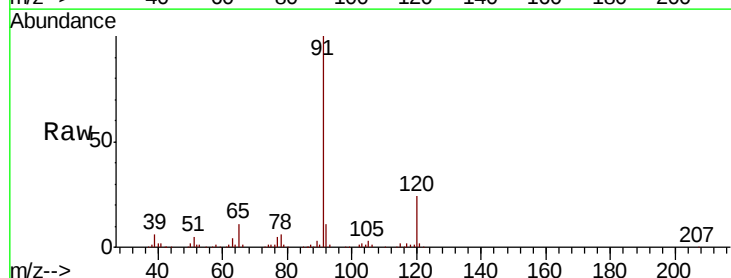
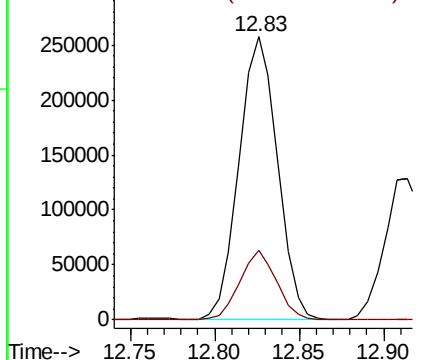
Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	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: 19.901 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 91 Resp: 217898

Ion Ratio Lower Upper

91 100

126 35.5

17.8

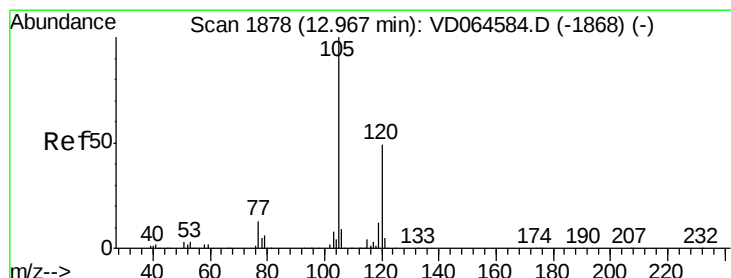
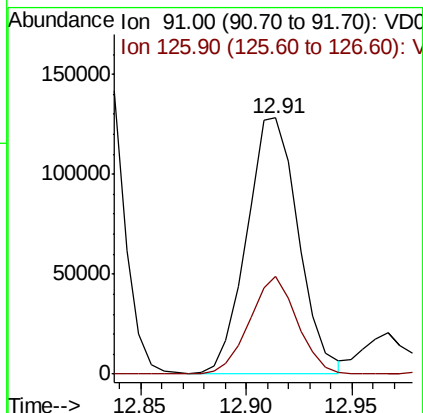
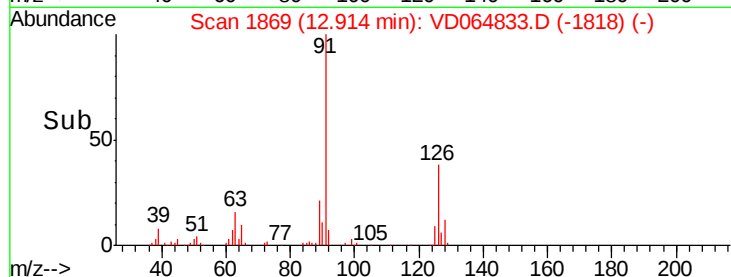
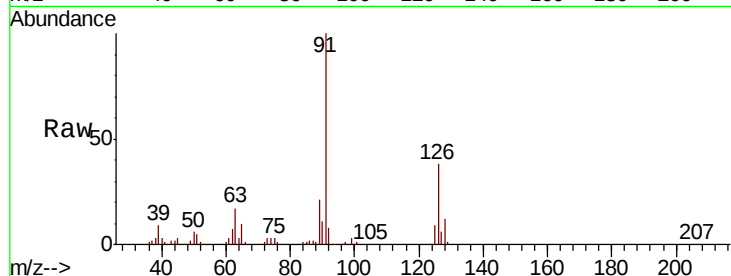
53.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.107 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:105 Resp: 282181

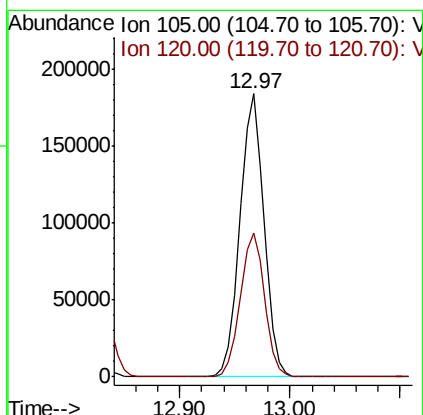
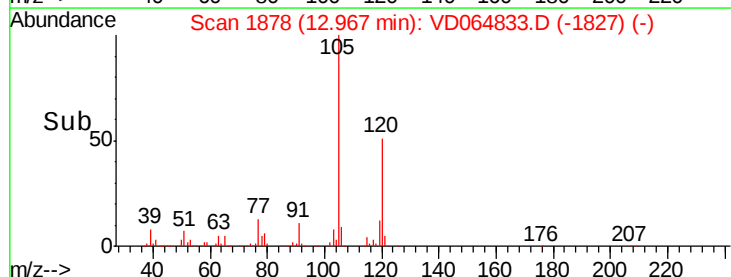
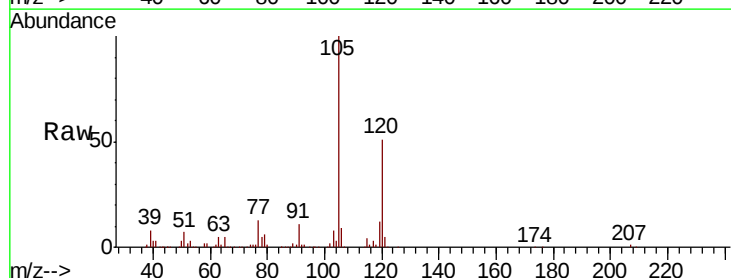
Ion Ratio Lower Upper

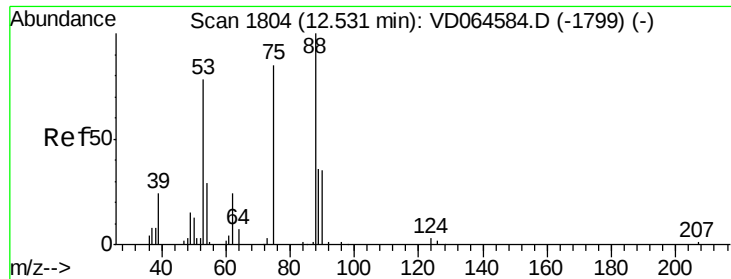
105 100

120 51.2

25.0

75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.539 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

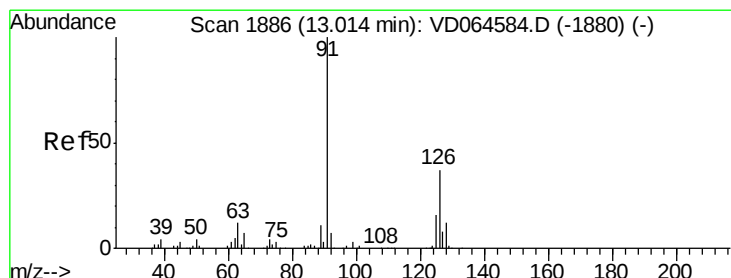
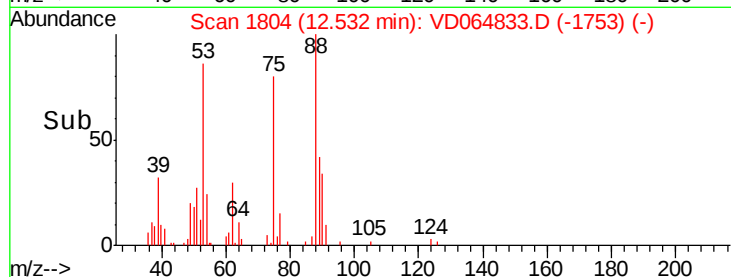
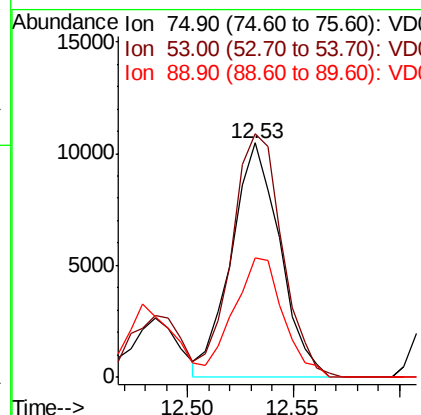
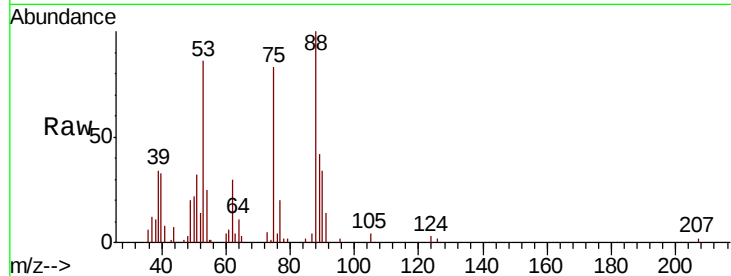
ClientSampleId :

VD0110SBS01

Tot Ion:	75	Resp:	16734
Ion	Ratio	Lower	Upper
75	100		
53	107.8	78.8	118.2
89	51.9	38.3	57.5

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#82

4-Chlorotoluene

Concen: 20.182 ug/l

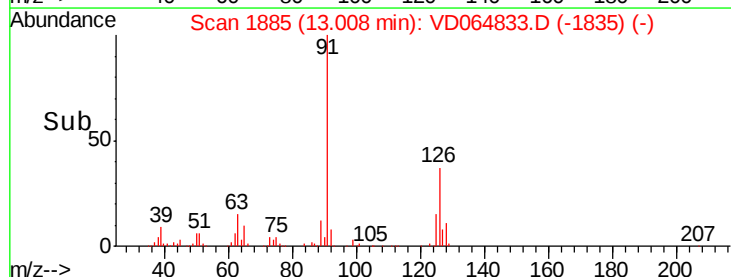
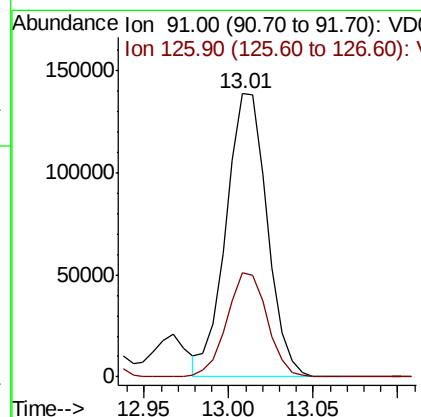
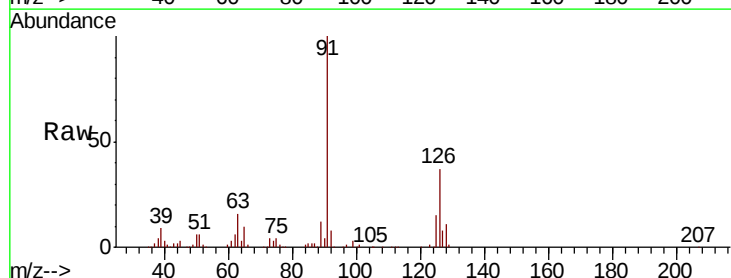
RT: 13.01 min Scan# 1885

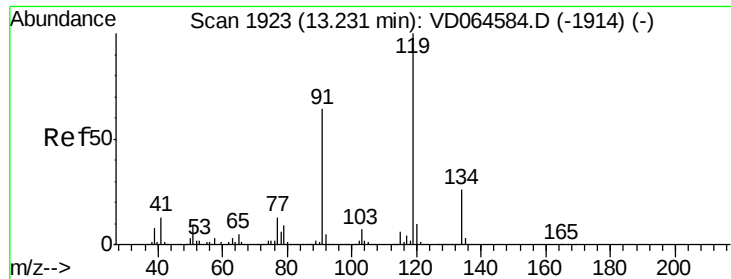
Delta R.T. -0.01 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Tgt Ion:	91	Resp:	235149
Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5





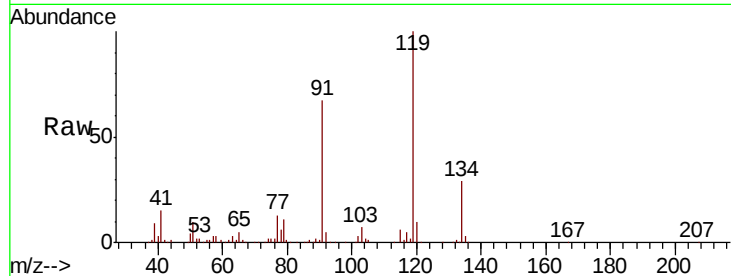
#83
tert-Butylbenzene
Concen: 19.565 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

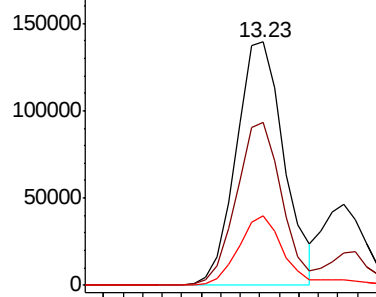
Tot Ion	Ratio	Resp	Lower	Upper
119	100	238400		
91	63.1		30.8	92.4
134	26.9		12.8	38.3

Manual Integrations
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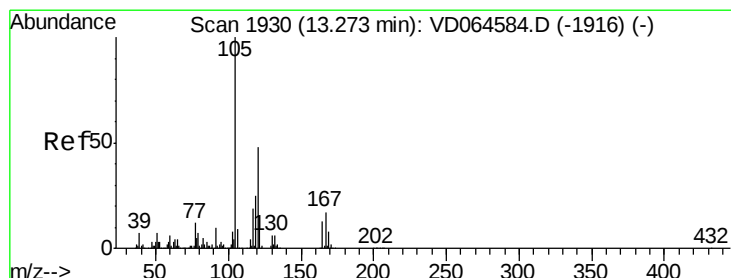
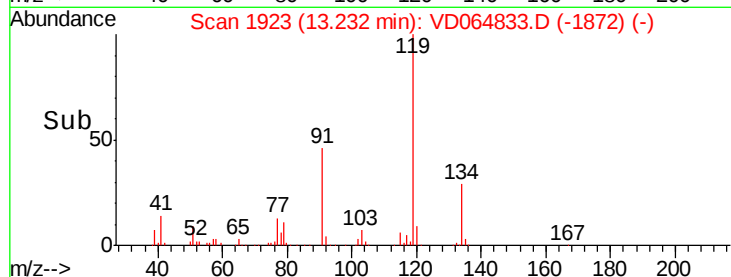
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

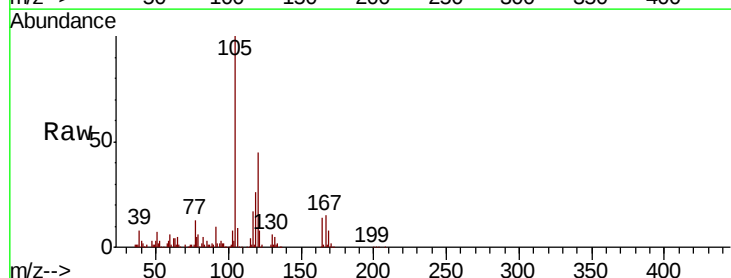


Time-->

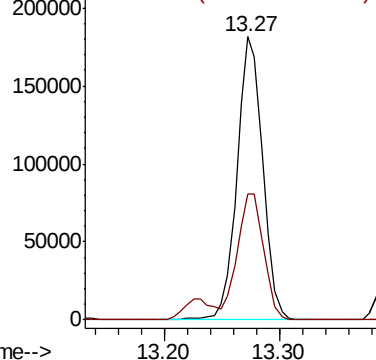


#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

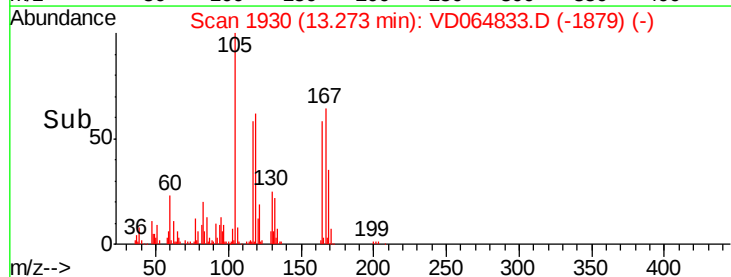
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282195		
120	45.7		23.8	71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 20.277 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion:105 Resp: 338731

Ion Ratio Lower Upper

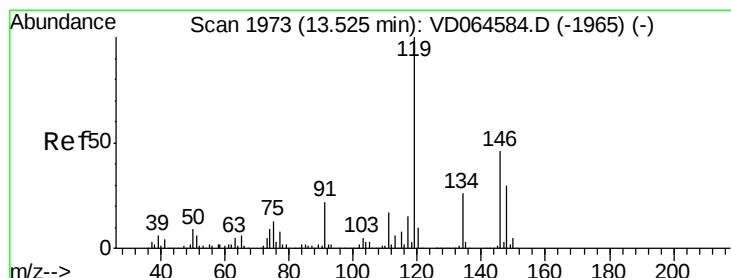
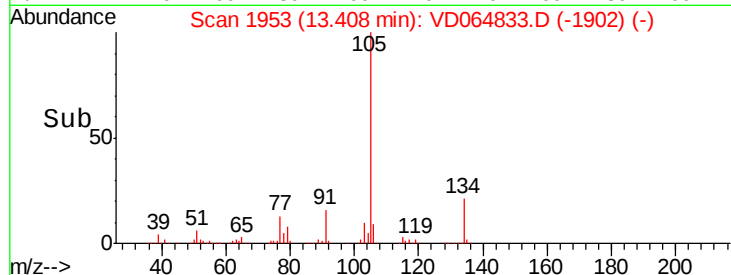
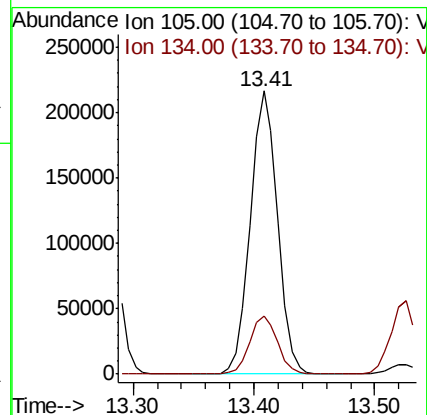
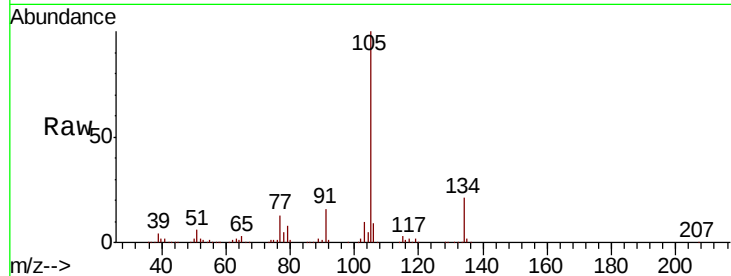
105 100

134 20.9 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 19.825 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064833.D

Acq: 10 Jan 2020 15:12

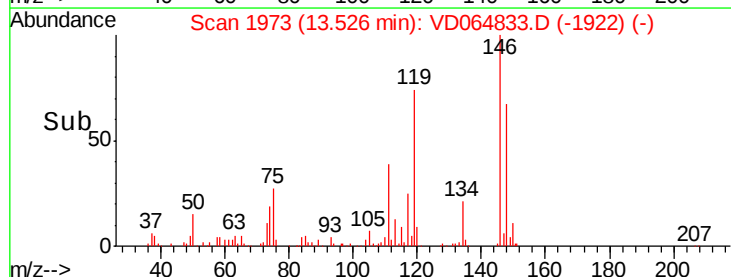
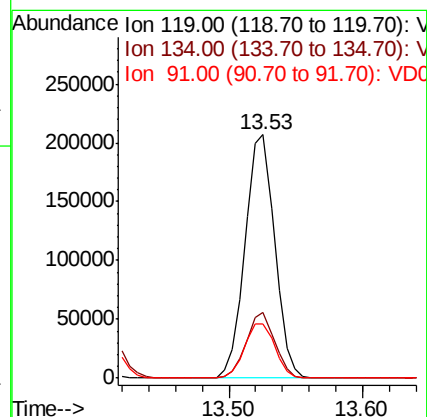
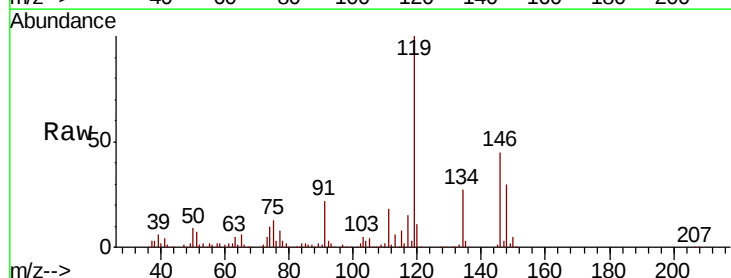
Tgt Ion:119 Resp: 316663

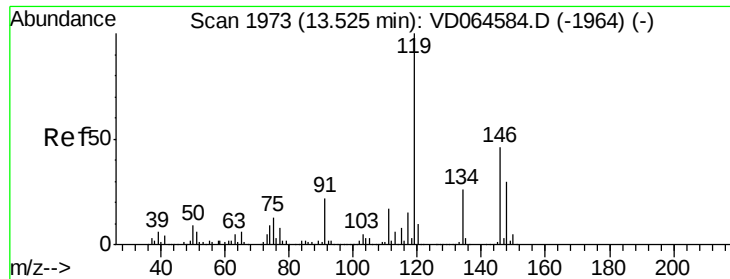
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.1

91 22.8 11.2 33.6





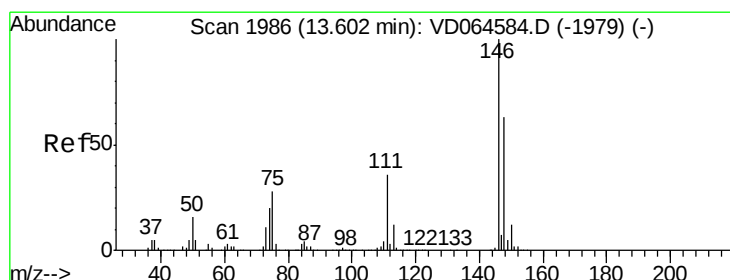
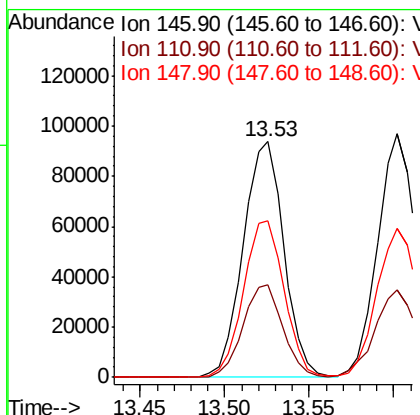
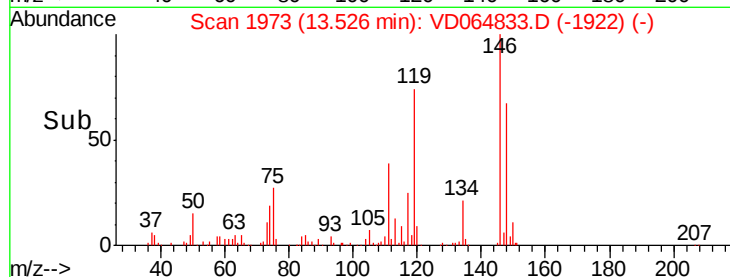
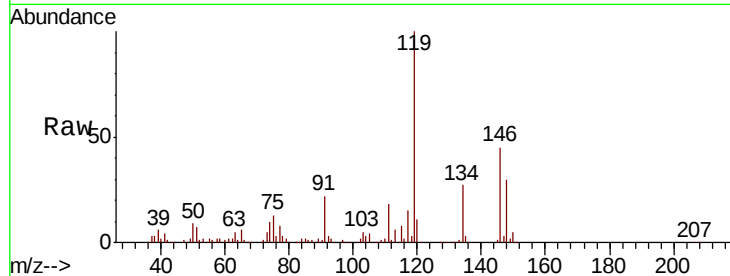
#87
 1,3-Dichlorobenzene
 Concen: 19.697 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.4
148	66.5	32.5	97.5

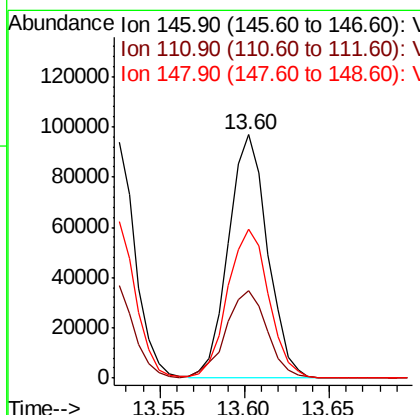
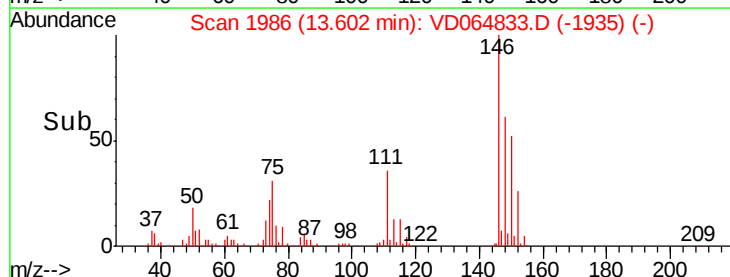
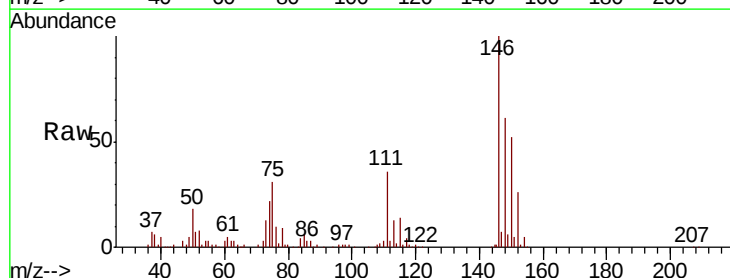
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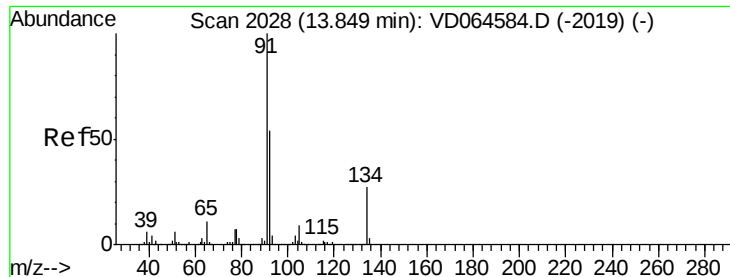
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#88
 1,4-Dichlorobenzene
 Concen: 19.877 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	64.3	32.3	96.9





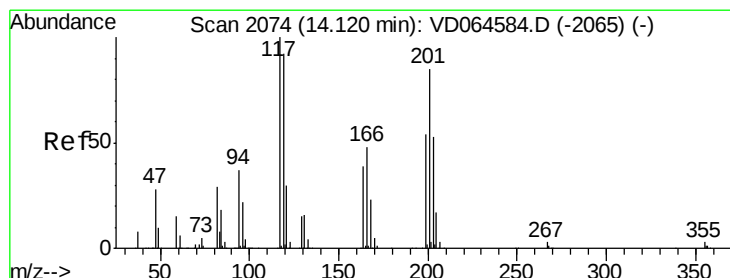
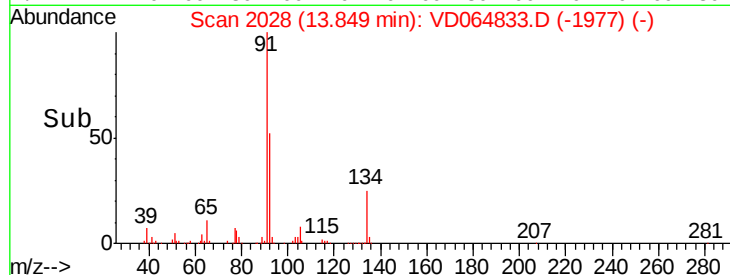
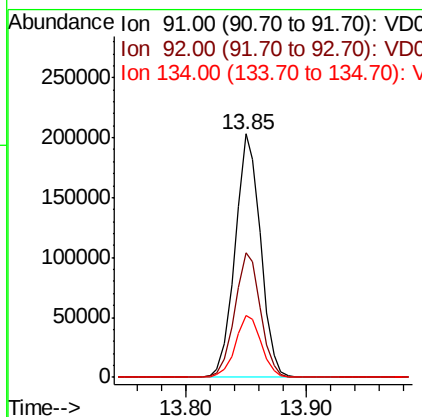
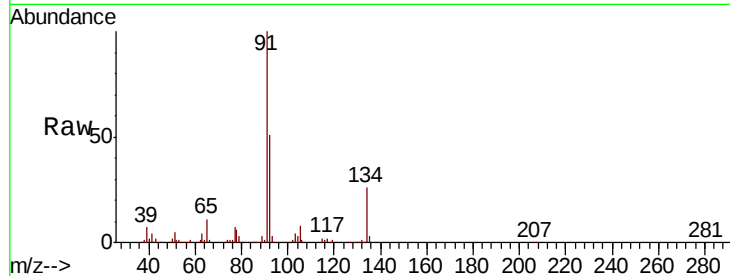
#89
n-Butylbenzene
Concen: 20.660 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	297175		
92	52.1		26.8	80.4
134	26.0		14.0	41.9

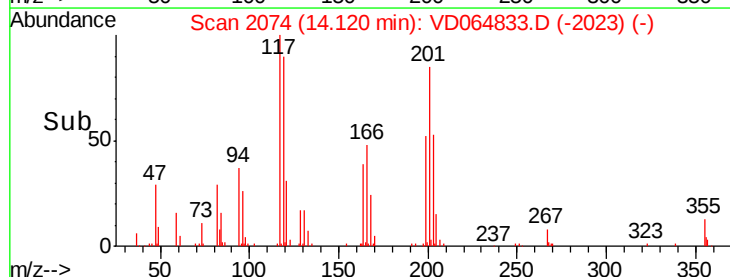
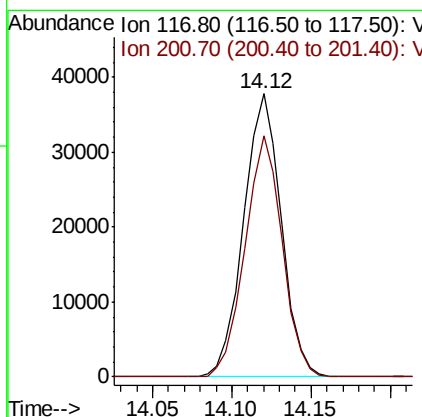
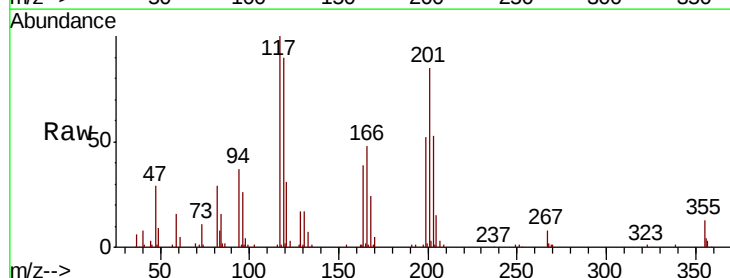
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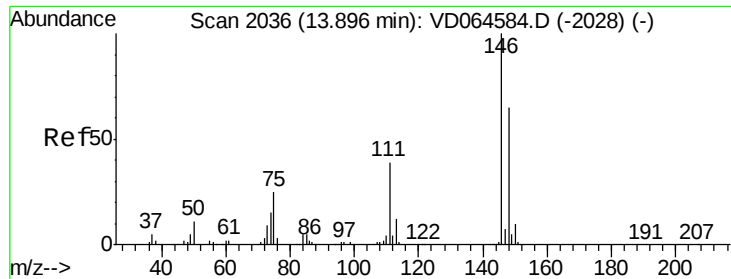
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#90
Hexachloroethane
Concen: 20.430 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62335		
201	84.1		44.0	131.8





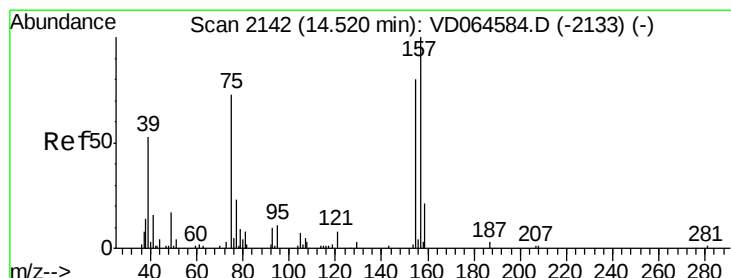
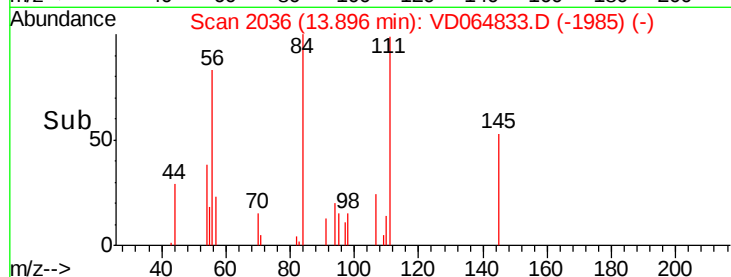
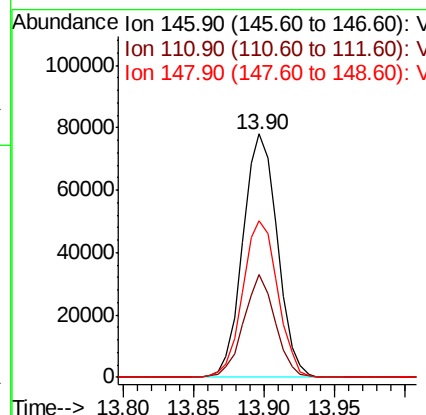
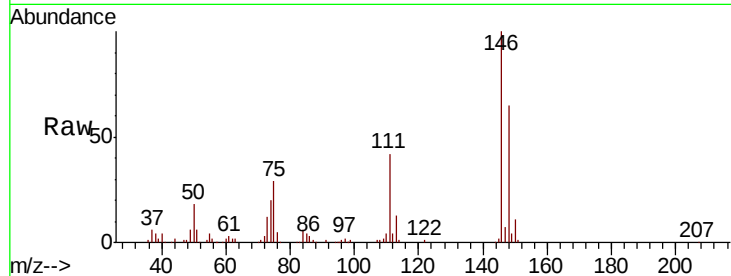
#91
 1,2-Dichlorobenzene
 Concen: 19.563 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	65.0	31.9	95.5

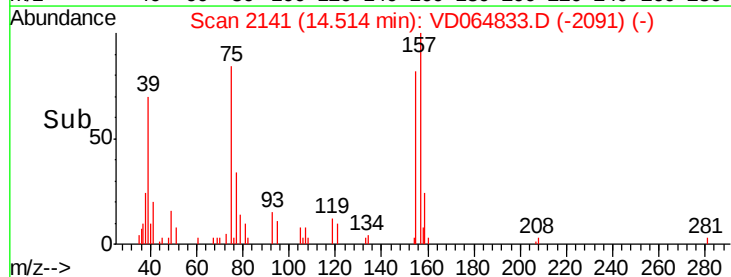
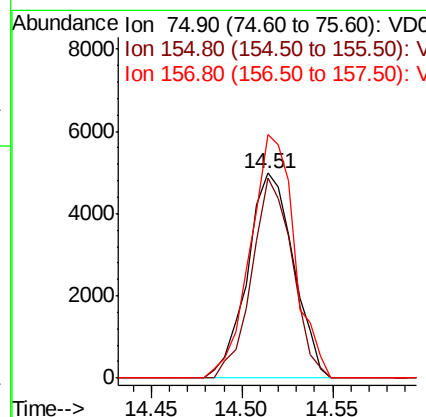
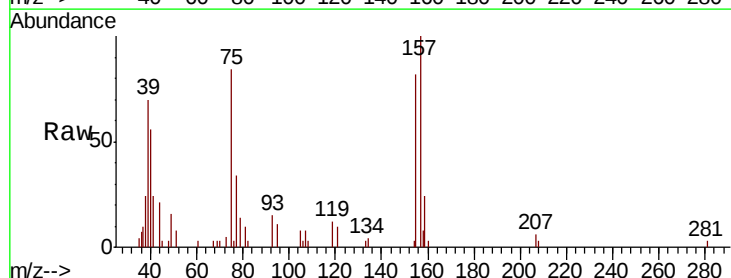
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.314 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	48.0	144.0
157	113.6	64.1	192.3





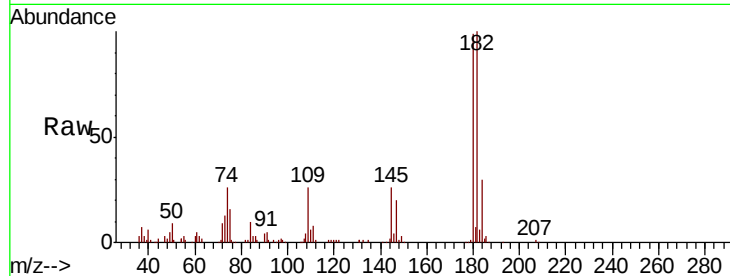
#93
 1,2,4-Trichlorobenzene
 Concen: 19.405 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	48.0	144.2	
145	27.5	13.8	41.4	

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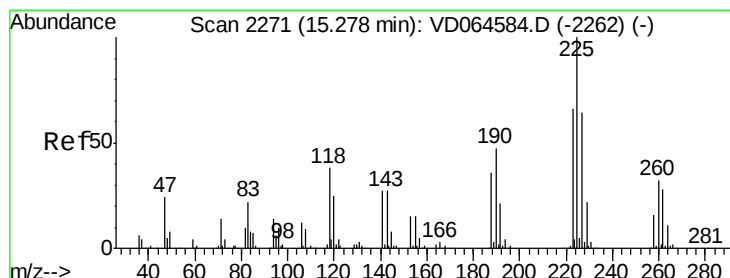
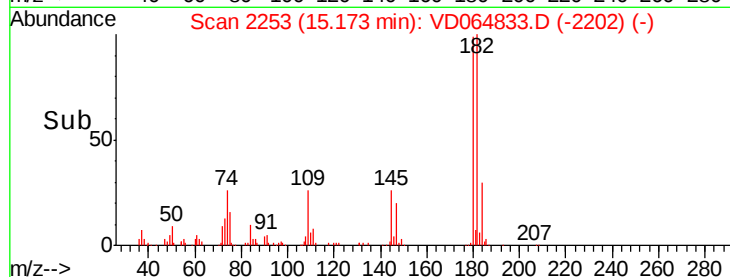
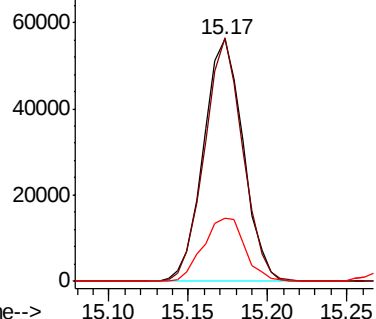


Abundance

Ion 179.80 (179.50 to 180.50): V

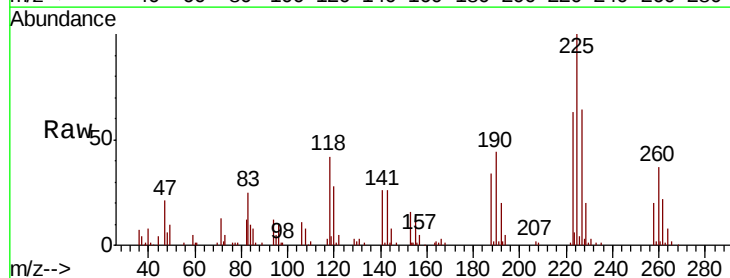
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.057 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064833.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.9	31.1	93.2	
227	65.4	30.9	92.7	

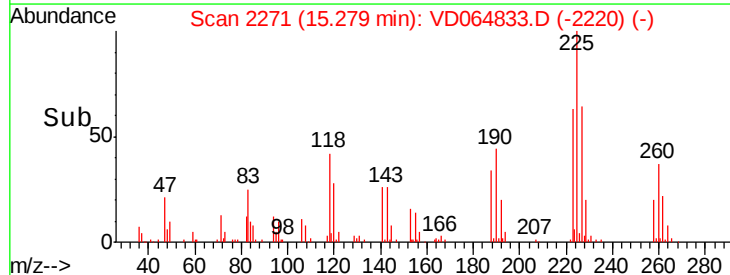
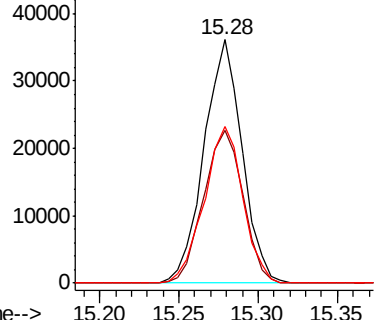


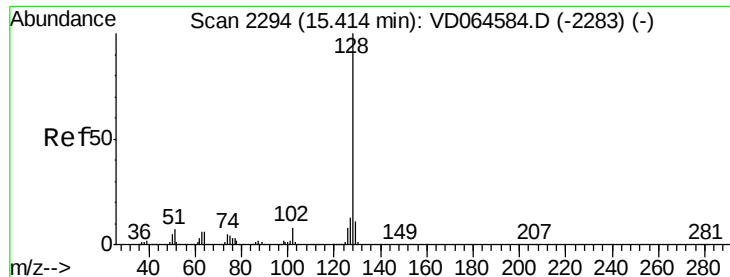
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





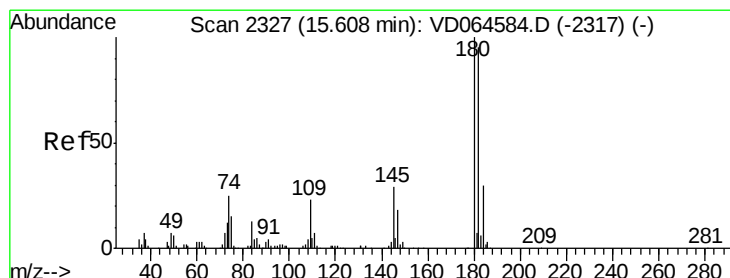
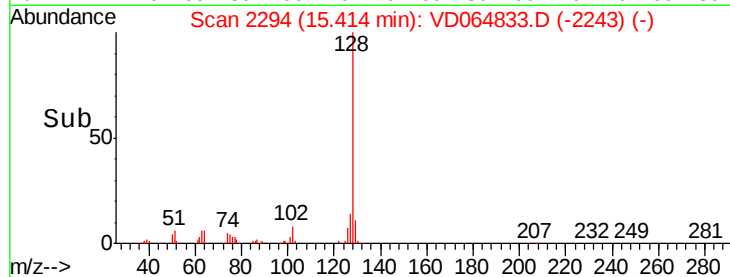
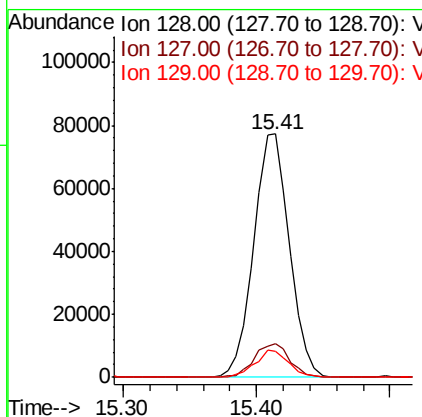
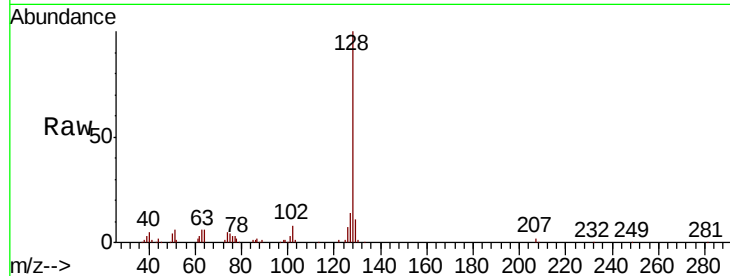
#95
Naphthalene
Concen: 17.926 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	10.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.990 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064833.D
Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.7
145	30.2	14.9	44.7

