

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064284.D
 Acq On : 19 Nov 2019 12:32
 Operator : VA/SY
 Sample : K5818-03RE
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:25:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	427122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	750597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	253082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	32419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	317953	90.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.02%	
35) Dibromofluoromethane	7.92	113	304611	70.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.40%	
50) Toluene-d8	10.34	98	484460	29.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.62%	
62) 4-Bromofluorobenzene	12.64	95	66990	11.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.80%	

Target Compounds

						Qvalue
10) Methyl Iodide	4.30	142	1819	2.437	ug/l #	50
11) Tert butyl alcohol	5.24	59	38748	157.926	ug/l #	69
13) Acrolein	3.93	56	783	3.772	ug/l #	65
14) Allyl chloride	4.66	41	17972	2.832	ug/l #	38
15) Acrylonitrile	5.43	53	2951	3.821	ug/l #	73
16) Acetone	4.17	43	202108	242.863	ug/l	98
17) Carbon Disulfide	4.40	76	23535	2.106	ug/l	97
20) Methylene Chloride	4.95	84	17022	4.049	ug/l #	83
25) 2-Butanone	7.23	43	31024	28.856	ug/l	96
29) Tetrahydrofuran	7.57	42	958	1.483	ug/l #	35
30) Chloroform	7.71	83	27589	3.945	ug/l	93
31) Cyclohexane	7.98	56	112952	16.383	ug/l	95
37) Ethyl Acetate	7.23	43	31024	10.623	ug/l #	83
39) Methylcyclohexane	9.36	83	220390	25.143	ug/l	95
40) Benzene	8.35	78	116153	6.135	ug/l	95
43) Isopropyl Acetate	8.45	43	9770	1.624	ug/l #	53
48) Methyl methacrylate	9.46	41	341549	116.082	ug/l	98
49) 1,4-Dioxane	9.47	88	61	2.059	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	109942	38.101	ug/l	99
52) Toluene	10.41	92	580197	46.605	ug/l	100
55) 1,1,2-Trichloroethane	10.78	97	70716	21.130	ug/l #	22
56) Ethyl methacrylate	10.64	69	6317	1.349	ug/l #	22
59) 2-Hexanone	10.96	43	77234	37.622	ug/l #	31
64) Tetrachloroethene	10.88	164	2255	1.159	ug/l #	78
67) Ethyl Benzene	11.75	91	462210	49.652	ug/l	99
68) m/p-Xylenes	11.86	106	535211	149.996	ug/l	100
69) o-Xylene	12.18	106	216223	65.339	ug/l	100
70) Styrene	12.19	104	18972	3.284	ug/l #	1
73) Isopropylbenzene	12.48	105	105547	44.356	ug/l	99
74) N-amyl acetate	12.27	43	120724	214.841	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.71	83	6499	18.126	ug/l #	26
76) 1,2,3-Trichloropropane	12.83	75	1658	6.349	ug/l #	100
77) Bromobenzene	12.77	156	1470	2.543	ug/l #	10
78) n-propylbenzene	12.83	91	244425	89.906	ug/l	95

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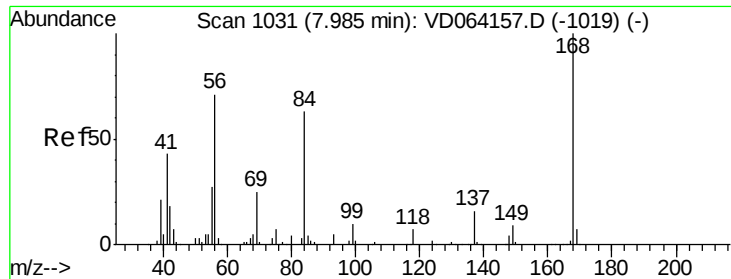
Instrument :
 MSVOA_D
 ClientSampleId :

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 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	12.89	91	64435	41.980	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.97	105	255384	130.613	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.49	75	1646	12.521	ug/l #	1
82) 4-Chlorotoluene	12.97	91	29945	18.705	ug/l #	51
83) tert-Butylbenzene	13.23	119	4866	2.822	ug/l	76
84) 1,2,4-Trimethylbenzene	13.28	105	777085	402.559	ug/l	100
85) sec-Butylbenzene	13.41	105	110621	47.771	ug/l	83
86) p-Isopropyltoluene	13.53	119	153132	69.559	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	2830	2.637	ug/l #	69
88) 1,4-Dichlorobenzene	13.60	146	2606	2.488	ug/l #	1
89) n-Butylbenzene	13.86	91	119571	60.119	ug/l #	71
90) Hexachloroethane	14.13	117	13089	32.171	ug/l #	10
91) 1,2-Dichlorobenzene	13.90	146	1939	2.135	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.53	75	782	12.198	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.17	180	2455	3.504	ug/l #	1
94) Hexachlorobutadiene	15.28	225	1562	3.451	ug/l	96
95) Naphthalene	15.41	128	21960	19.120	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.61	180	3861	6.483	ug/l #	31

(#) = 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: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

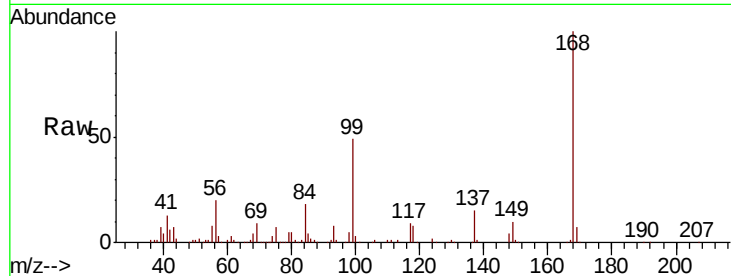
ClientSampleId :

Tot Ion:168 Resp: 427122

Ion Ratio Lower Upper

168 100

99 48.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

150000

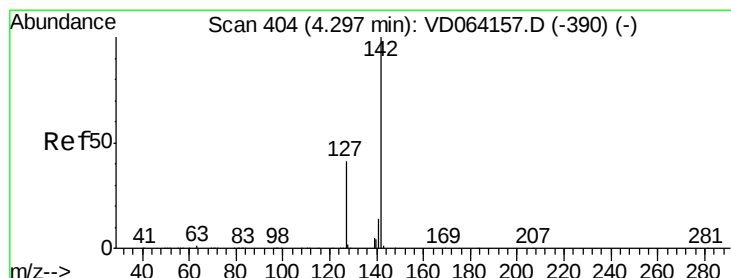
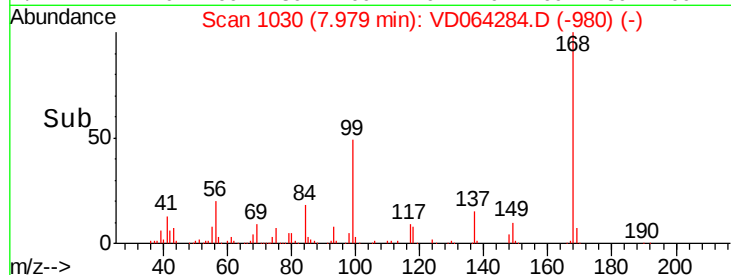
100000

50000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.437 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

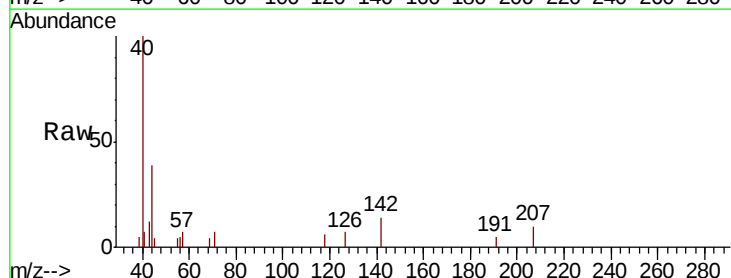
Tgt Ion:142 Resp: 1819

Ion Ratio Lower Upper

142 100

127 7.8 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

600

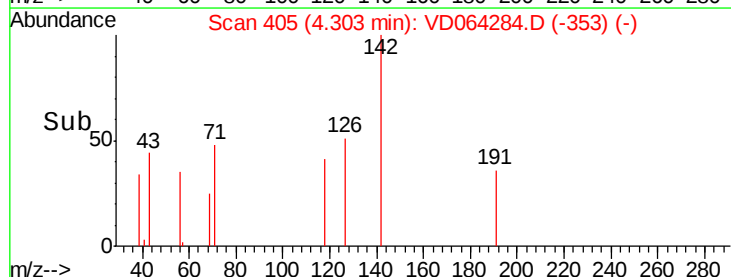
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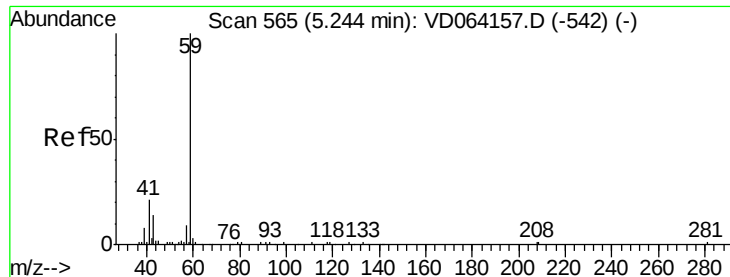
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0

4.20 4.25 4.30 4.35

Time-->



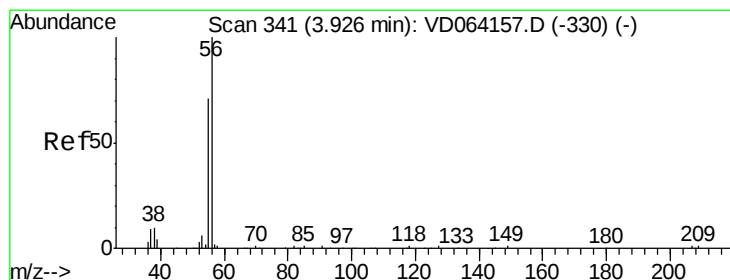
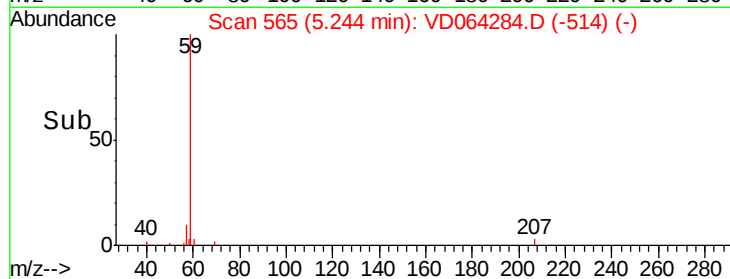
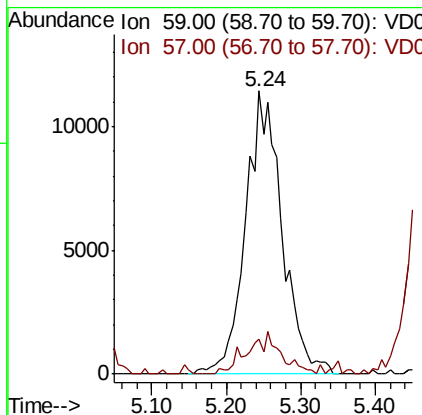
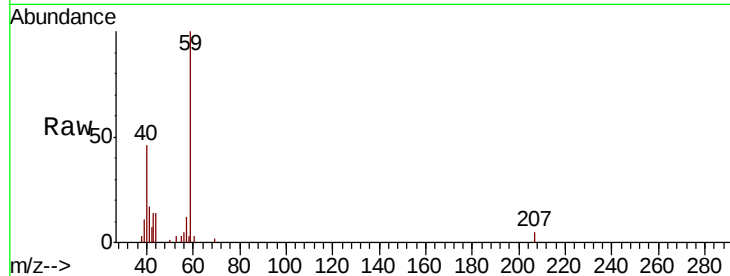


#11

Tert butyl alcohol
 Concen: 157.926 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :

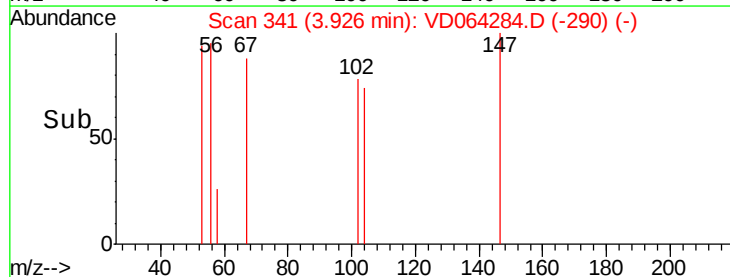
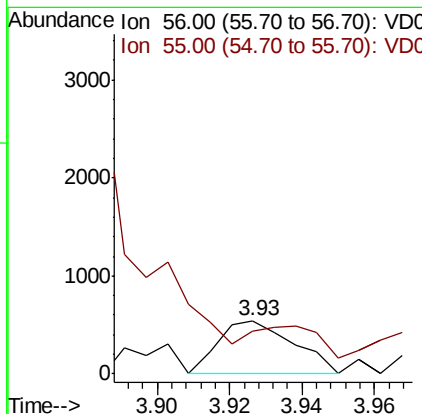
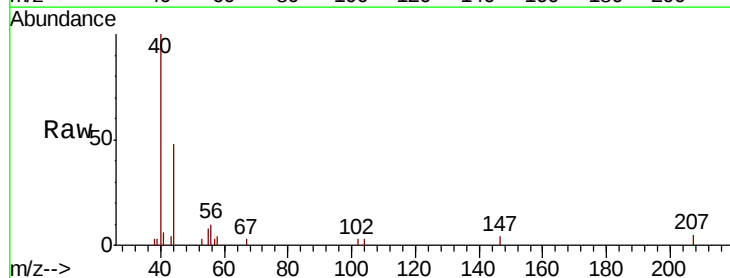
Tot Ion: 59 Resp: 38748
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

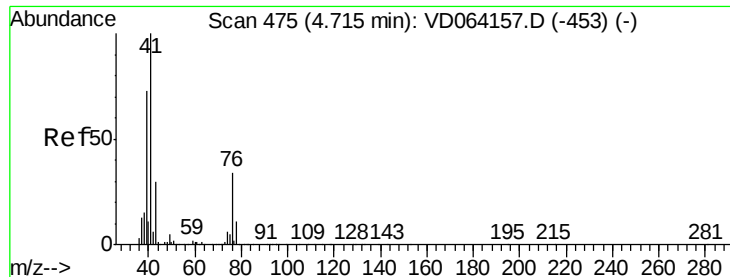


#13

Acrolein
 Concen: 3.772 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Tgt Ion: 56 Resp: 783
 Ion Ratio Lower Upper
 56 100
 55 41.1 56.1 84.1#

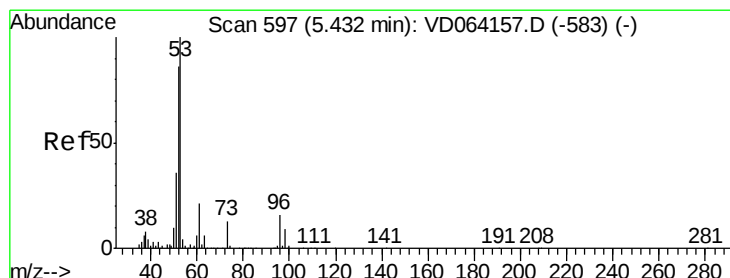
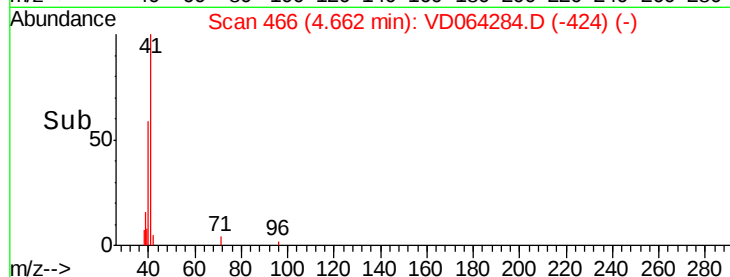
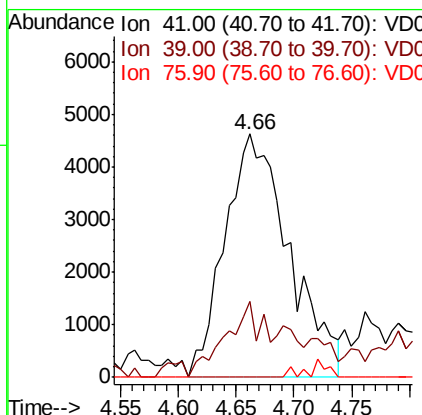
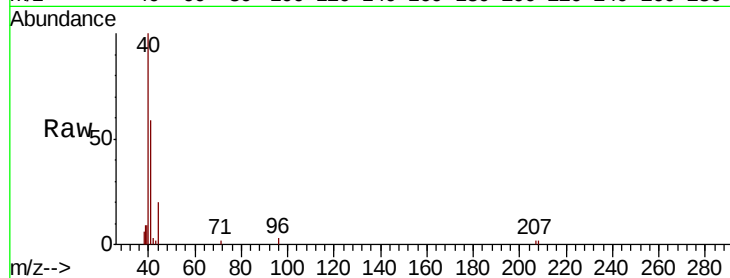




#14
Allvl chloride
Concen: 2.832 ug/l
RT: 4.66 min Scan# 466
Delta R.T. -0.05 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

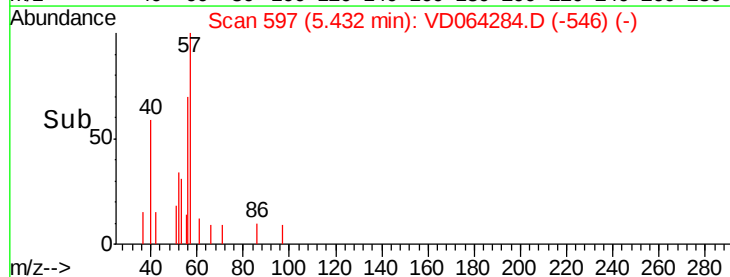
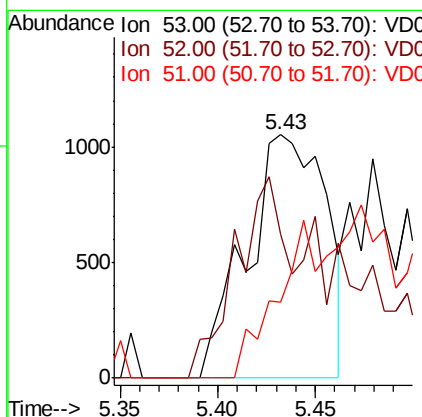
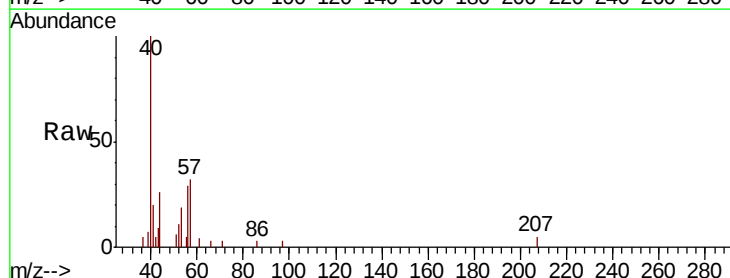
Instrument :
MSVOA_D
ClientSampleId :

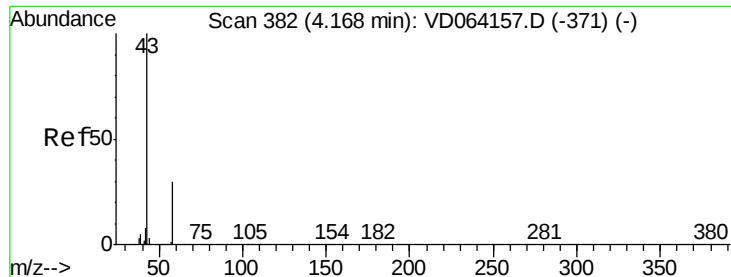
Tot Ion: 41 Resp: 17972
Ion Ratio Lower Upper
41 100
39 19.7 57.5 86.3#
76 0.0 26.8 40.2#



#15
Acrylonitrile
Concen: 3.821 ug/l
RT: 5.43 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 53 Resp: 2951
Ion Ratio Lower Upper
53 100
52 52.6 66.7 100.1#
51 31.7 30.6 46.0





#16

Acetone

Concen: 242.863 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

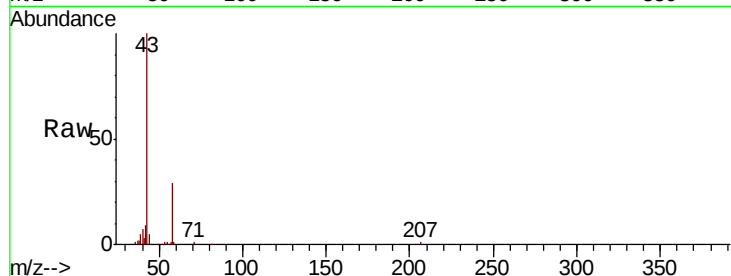
ClientSampleId :

Tot Ion: 43 Resp: 202108

Ion Ratio Lower Upper

43 100

58 28.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

80000

60000

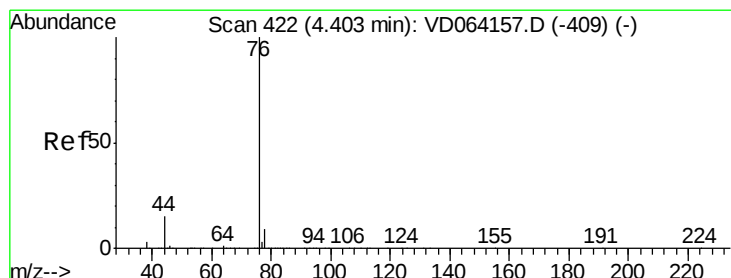
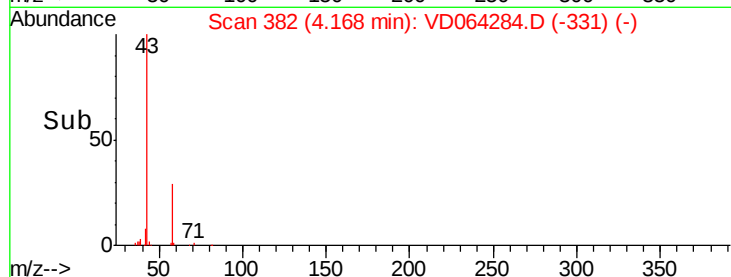
40000

20000

0

Time-->

4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 2.106 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064284.D

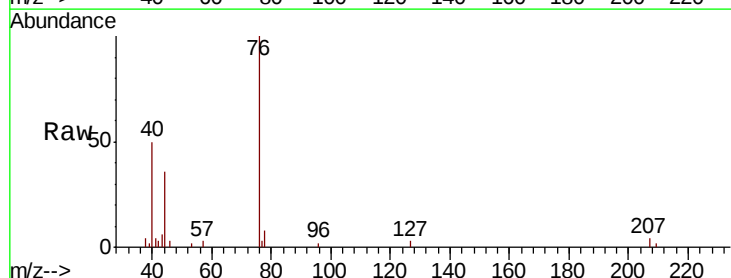
Acq: 19 Nov 2019 12:32

Tgt Ion: 76 Resp: 23535

Ion Ratio Lower Upper

76 100

78 7.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

8000

6000

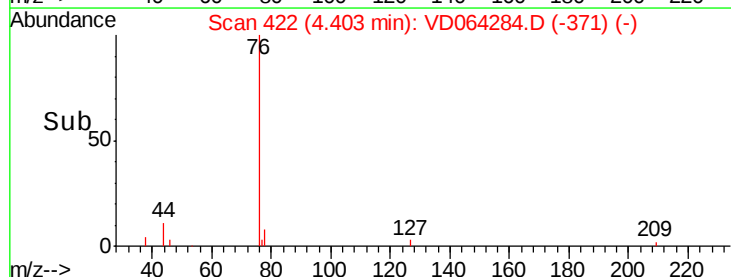
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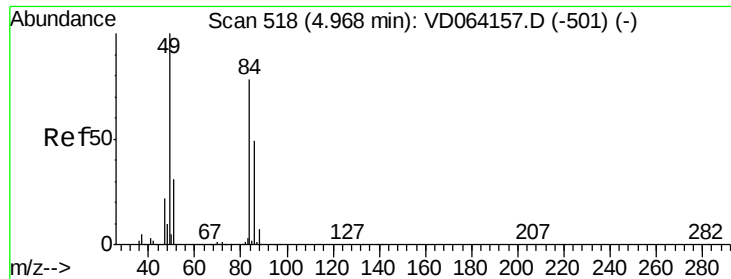
2000

0

Time-->

4.30 4.40 4.50

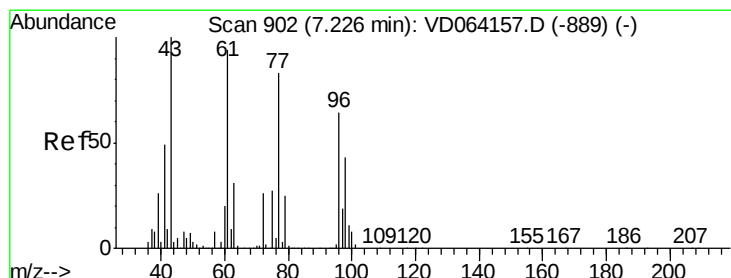
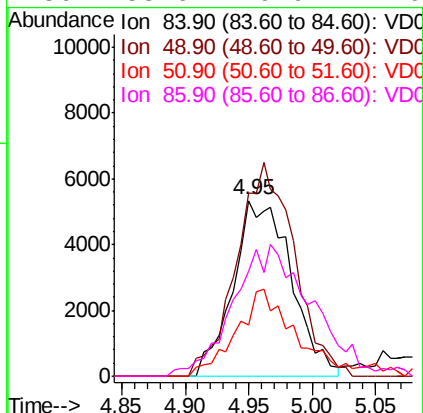
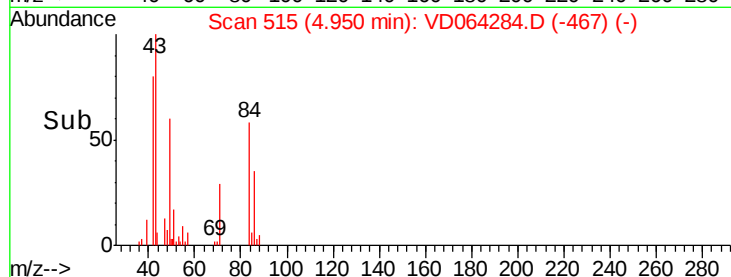
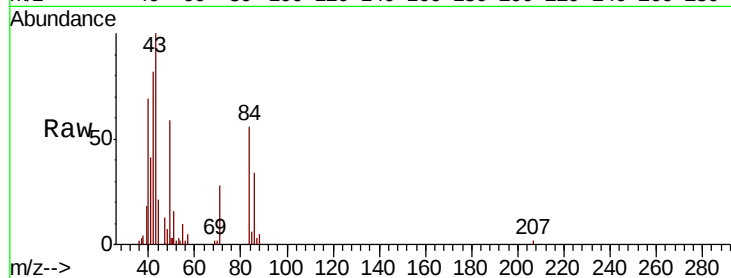




#20
Methylene Chloride
Concen: 4.049 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.02 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

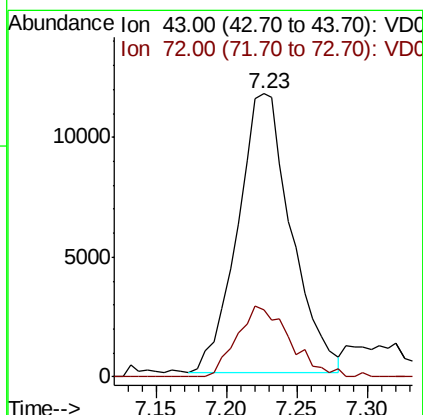
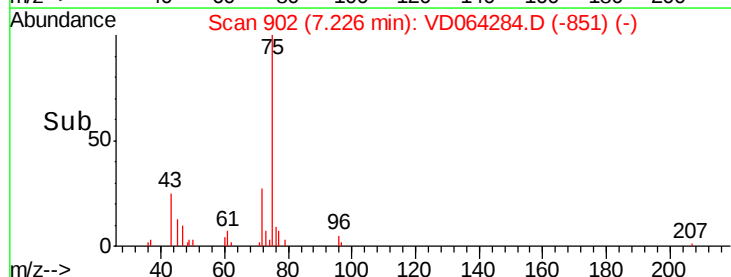
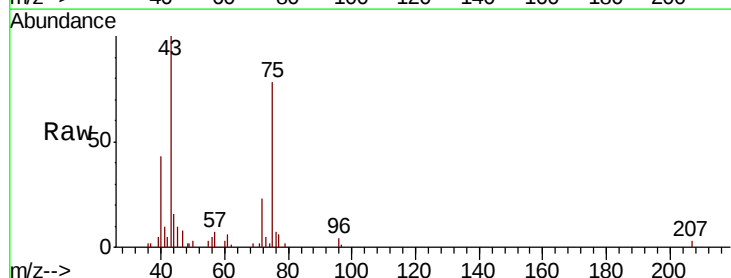
Instrument :
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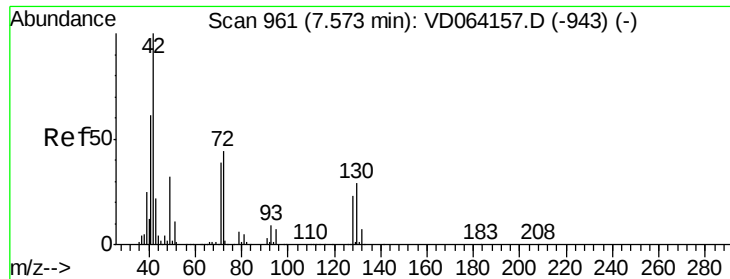
Tot Ion: 84 Resp: 17022
Ion Ratio Lower Upper
84 100
49 104.5 102.1 153.1
51 29.0 32.2 48.2#
86 55.6 49.9 74.9



#25
2-Butanone
Concen: 28.856 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 43 Resp: 31024
Ion Ratio Lower Upper
43 100
72 23.9 20.6 30.8

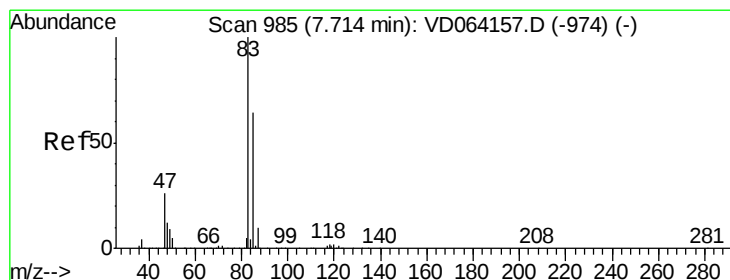
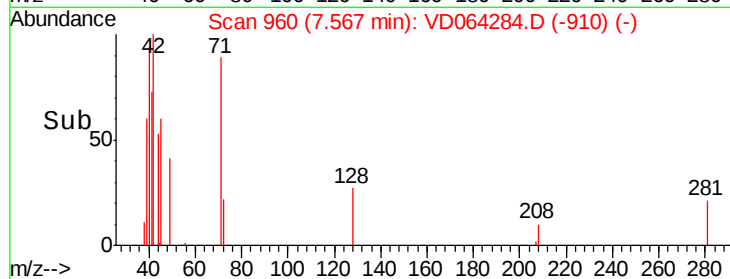
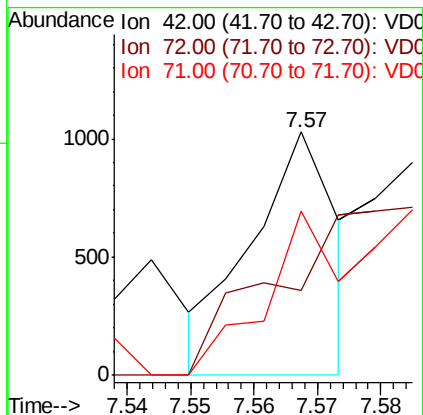
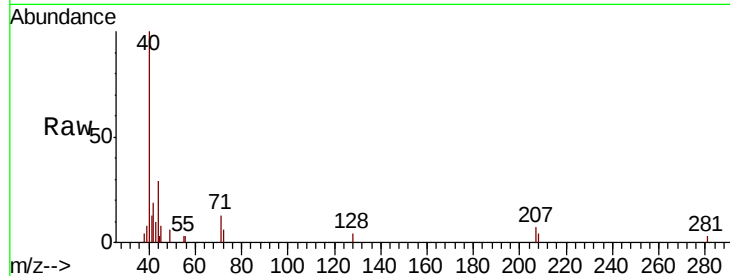




#29
Tetrahydrofuran
Concen: 1.483 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

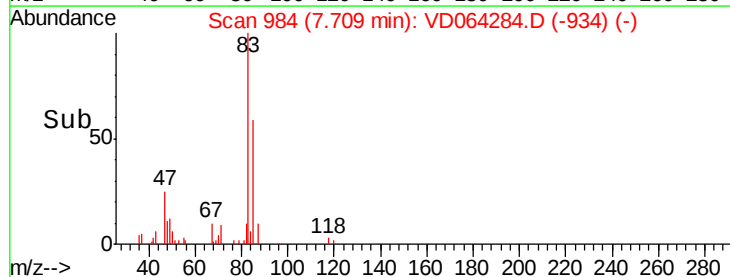
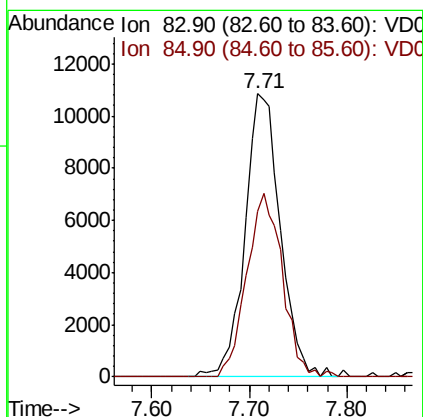
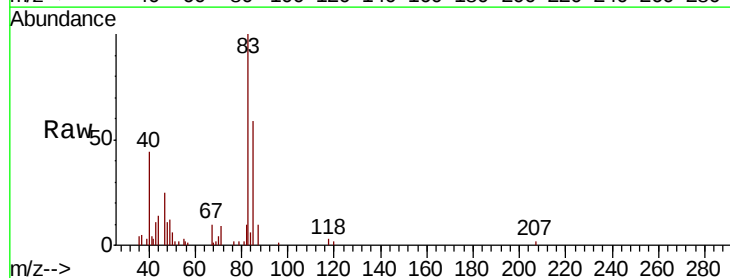
Instrument :
MSVOA_D
ClientSampleId :

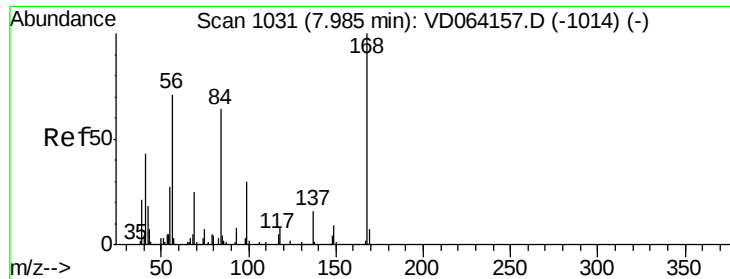
Tot Ion: 42 Resp: 958
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 31.0 46.4#



#30
Chloroform
Concen: 3.945 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 83 Resp: 27589
Ion Ratio Lower Upper
83 100
85 58.6 51.4 77.0

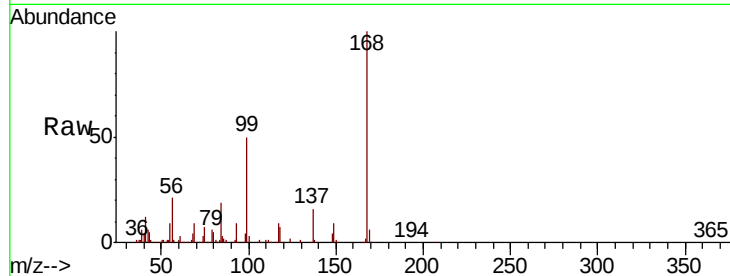




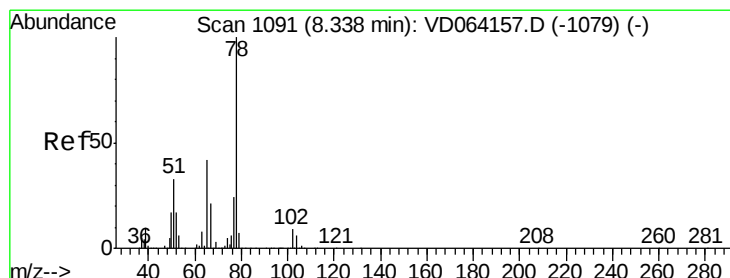
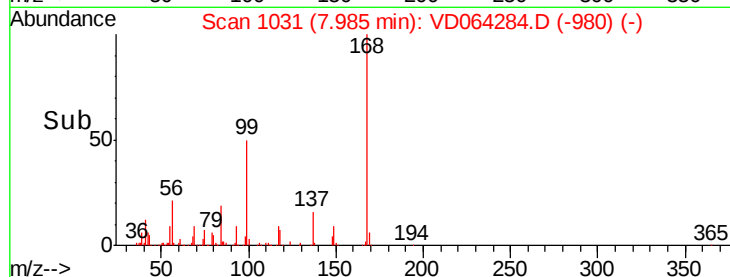
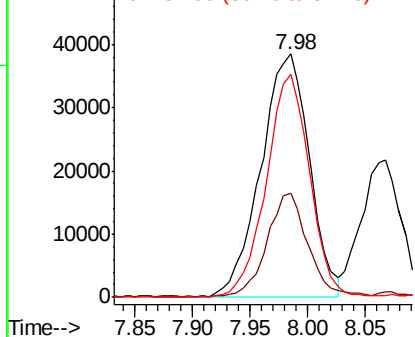
#31
Cyclohexane
Concen: 16.383 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 112952
Ion Ratio Lower Upper
56 100
69 42.3 28.2 42.4
84 91.6 71.8 107.6

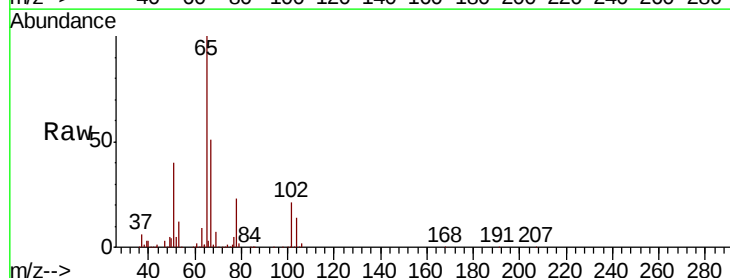


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

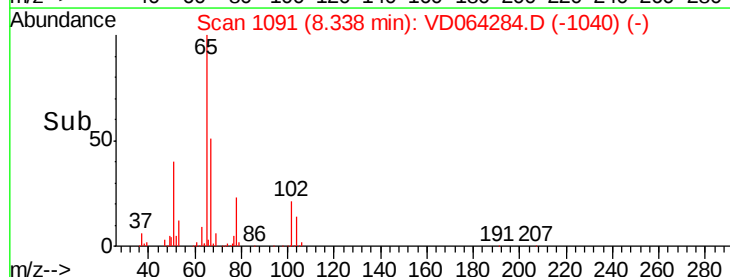
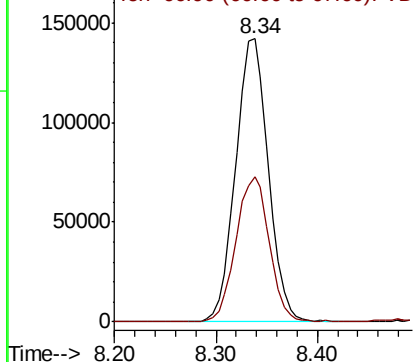


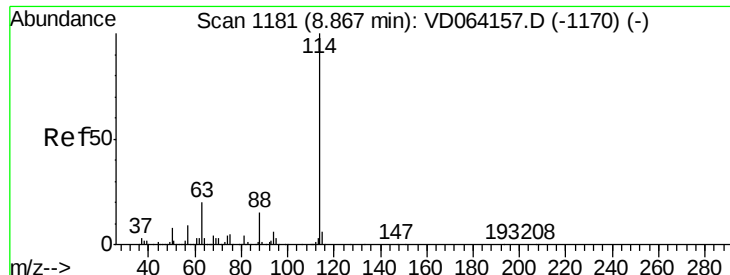
#33
1,2-Dichloroethane-d4
Concen: 90.512 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 65 Resp: 317953
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

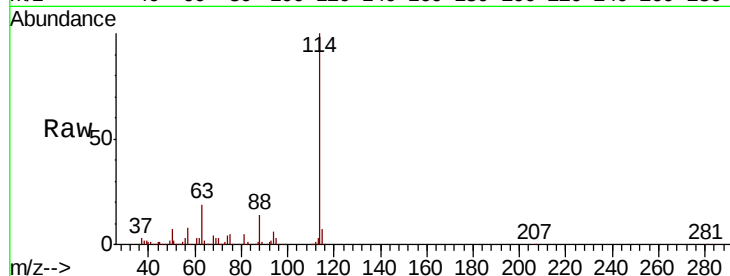




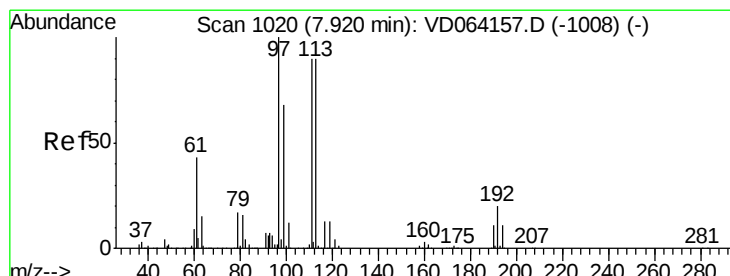
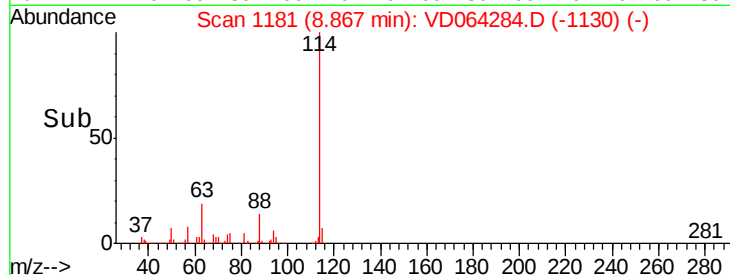
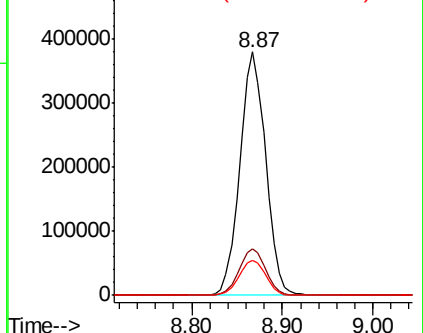
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 750597
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 14.2 0.0 30.2

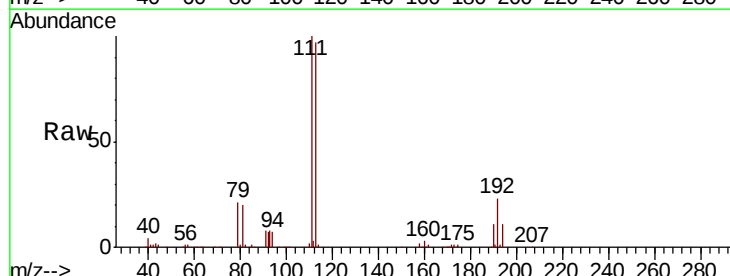


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

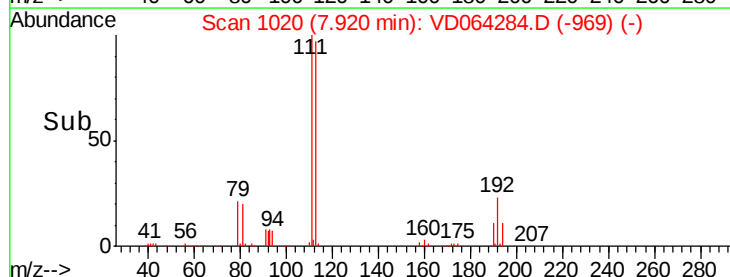
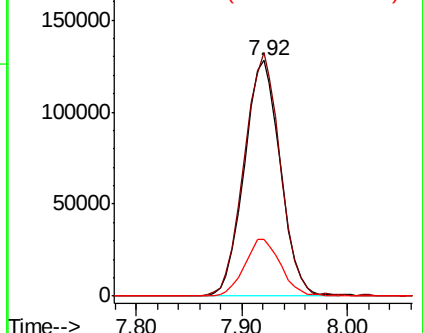


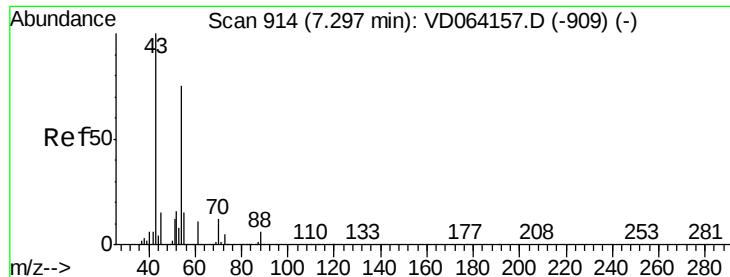
#35
 Dibromofluoromethane
 Concen: 70.699 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Tgt Ion:113 Resp: 304611
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 24.0 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

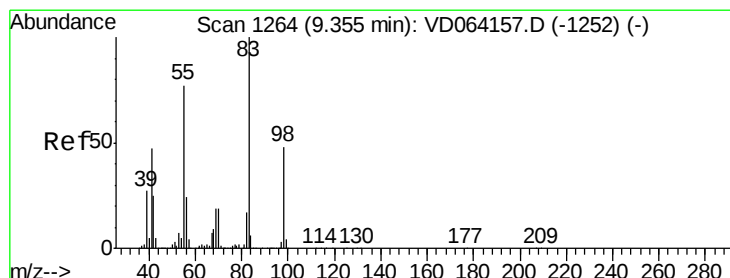
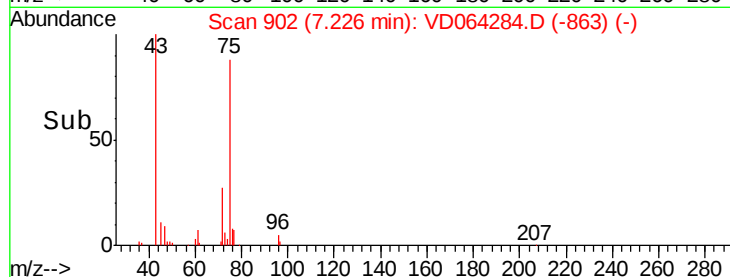
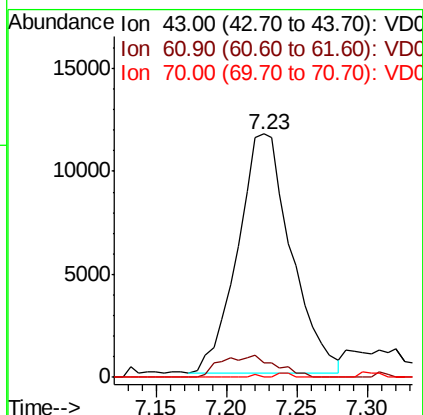
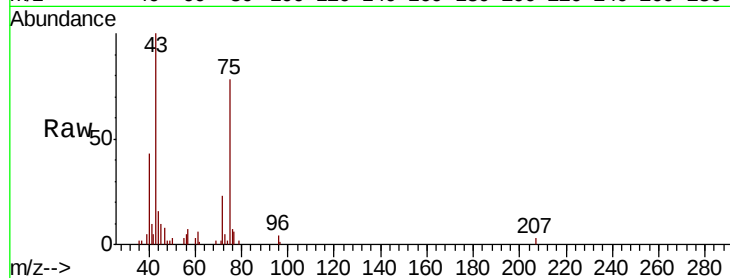




#37
Ethyl Acetate
Concen: 10.623 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

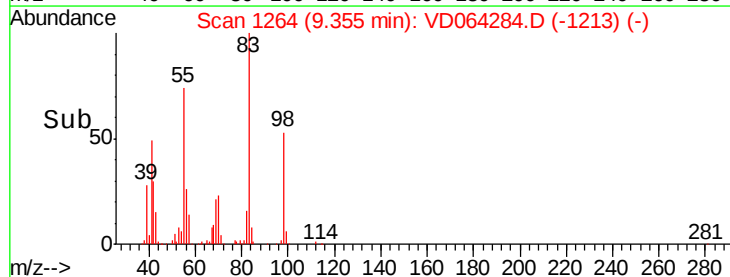
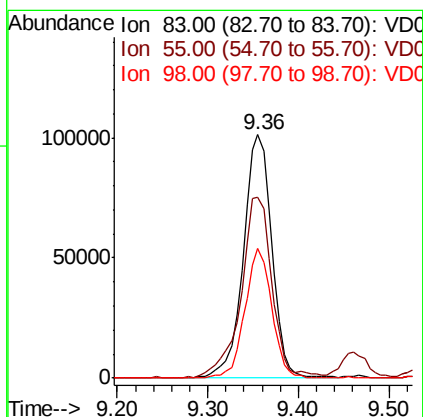
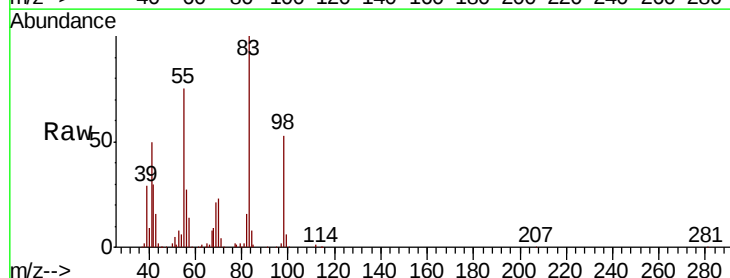
Instrument :
MSVOA_D
ClientSampleId :

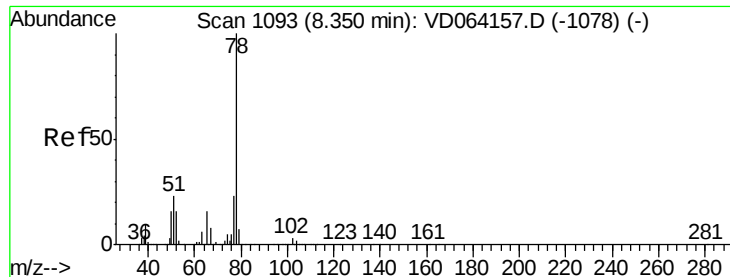
Tot Ion: 43 Resp: 31024
Ion Ratio Lower Upper
43 100
61 9.3 10.2 15.2#
70 0.2 8.5 12.7#



#39
Methylcyclohexane
Concen: 25.143 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 83 Resp: 220390
Ion Ratio Lower Upper
83 100
55 74.0 61.7 92.5
98 53.1 38.6 58.0





#40

Benzene

Concen: 6.135 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

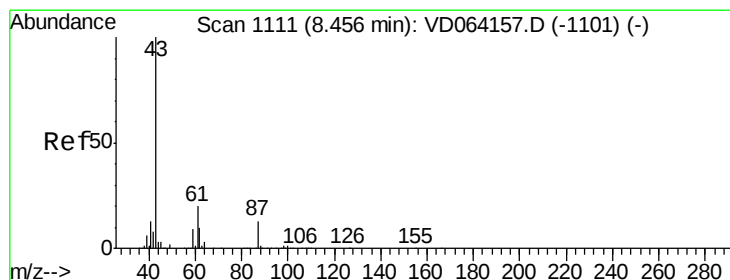
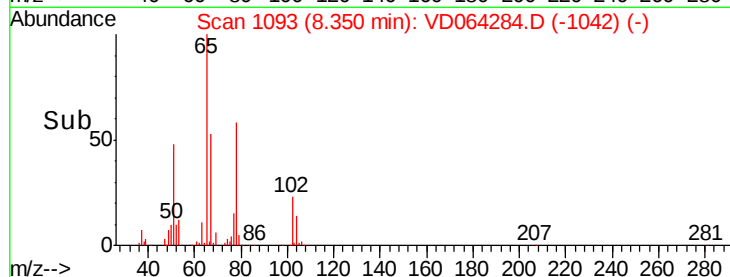
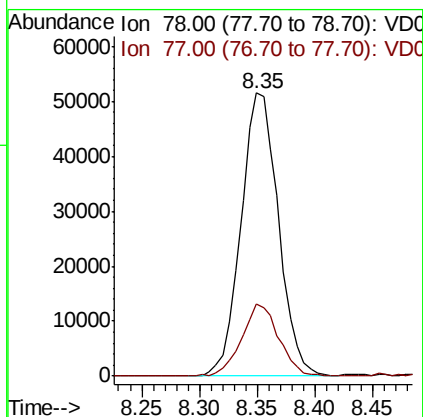
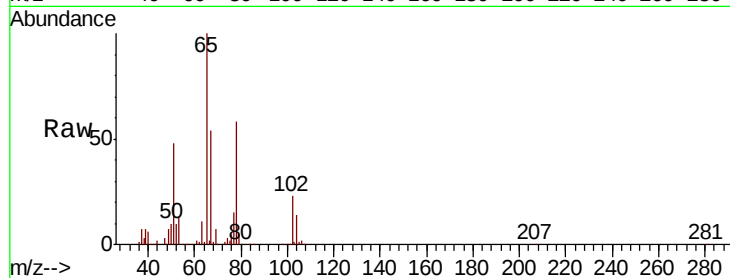
ClientSampled :

Tot Ion: 78 Resp: 116153

Ion Ratio Lower Upper

78 100

77 25.7 18.6 28.0



#43

Isopropyl Acetate

Concen: 1.624 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

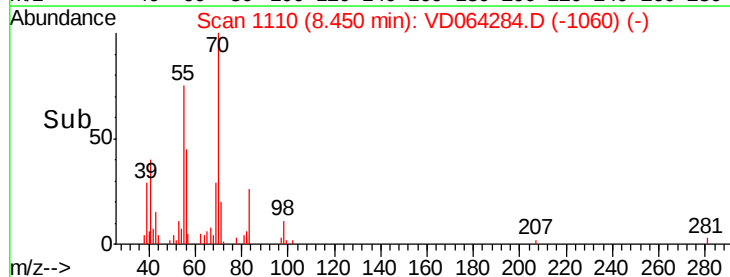
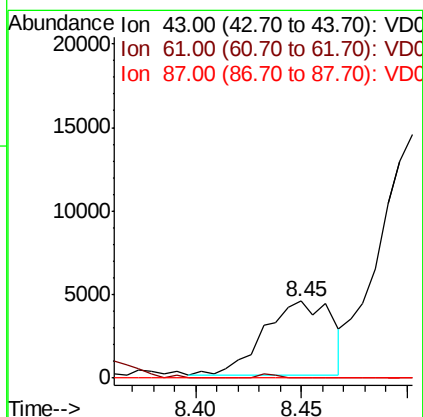
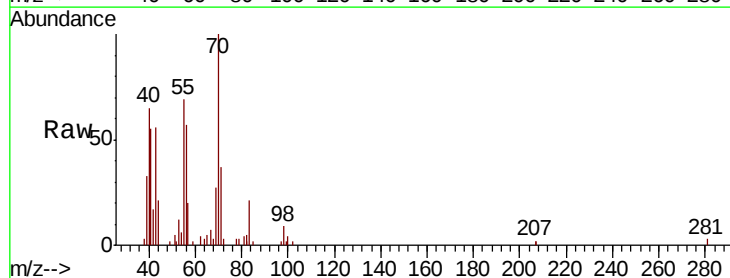
Tgt Ion: 43 Resp: 9770

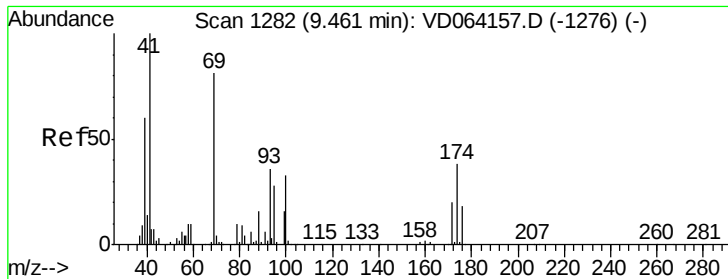
Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.2 15.2#

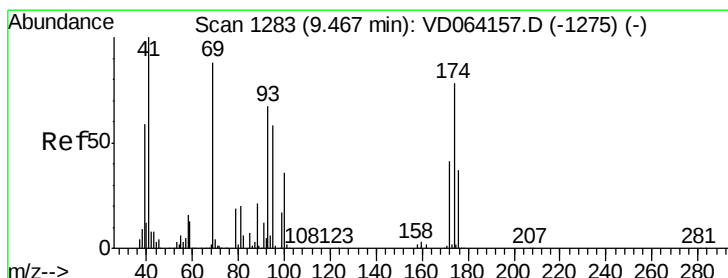
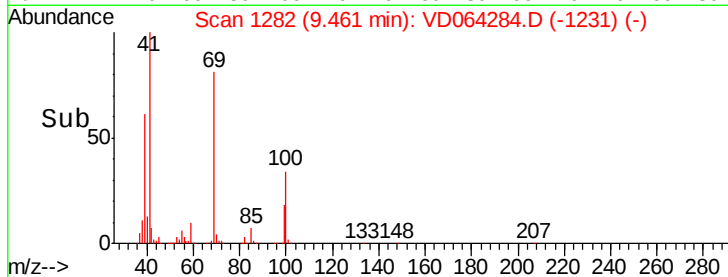
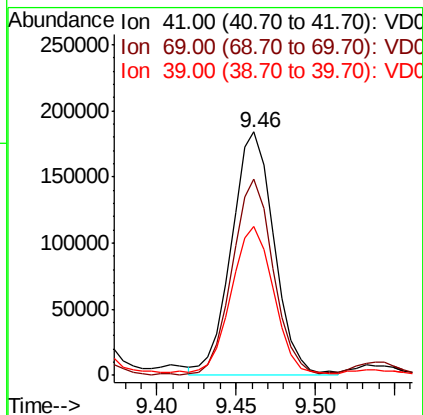
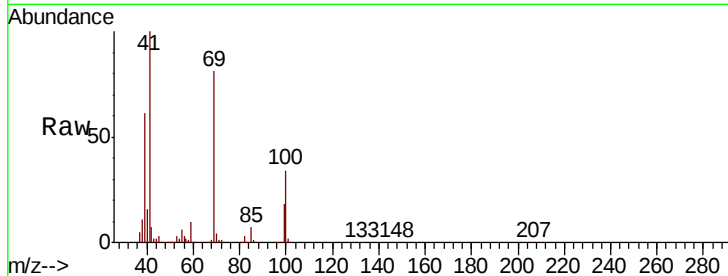




#48
Methvl methacrylate
Concen: 116.082 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

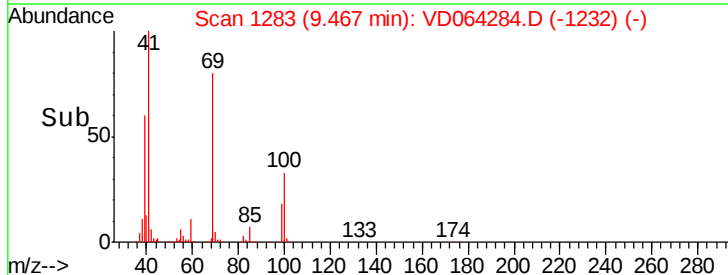
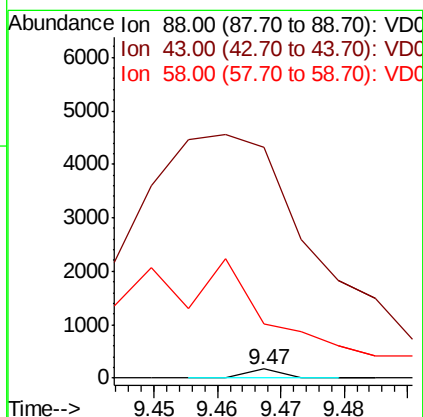
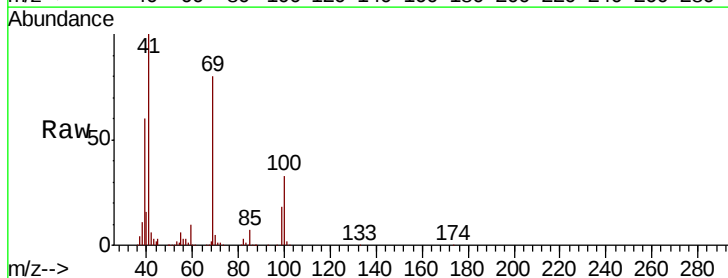
Instrument :
MSVOA_D
ClientSampleId :

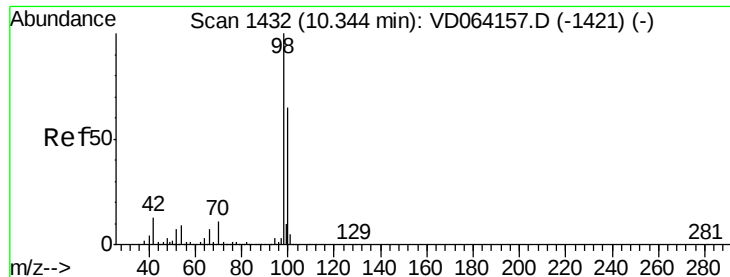
Tot Ion: 41 Resp: 341549
Ion Ratio Lower Upper
41 100
69 78.2 64.6 97.0
39 61.2 48.2 72.2



#49
1,4-Dioxane
Concen: 2.059 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 14445.9 29.8 44.8#
58 10934.4 58.1 87.1#





#50

Toluene-d8

Concen: 29.806 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

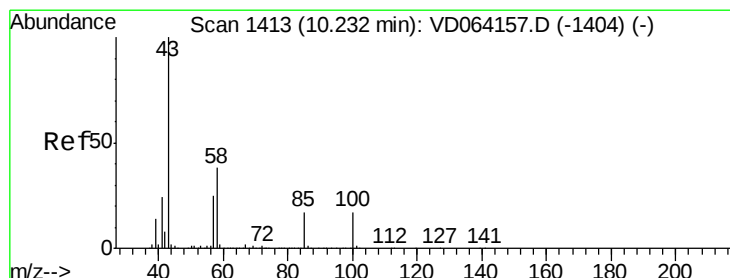
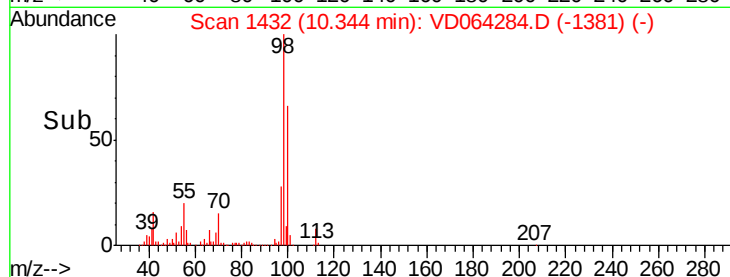
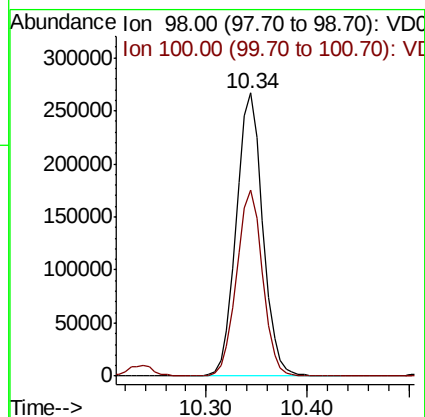
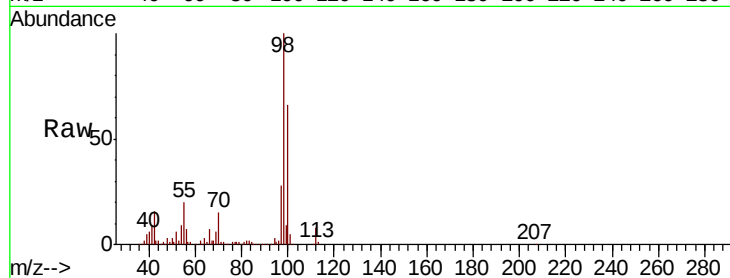
ClientSampleId :

Tot Ion: 98 Resp: 484460

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 38.101 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064284.D

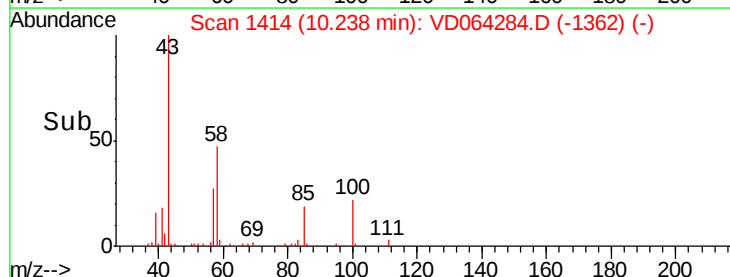
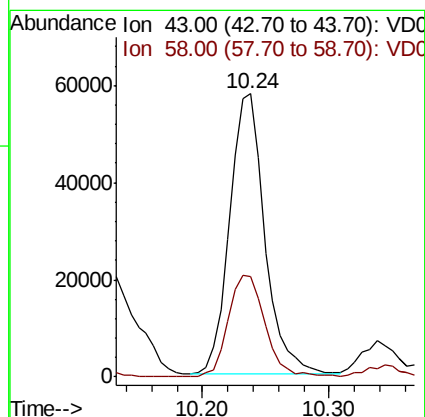
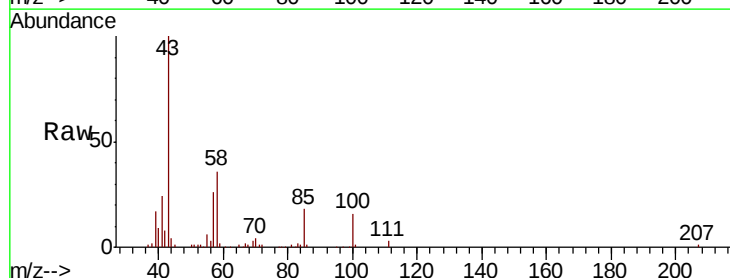
Acq: 19 Nov 2019 12:32

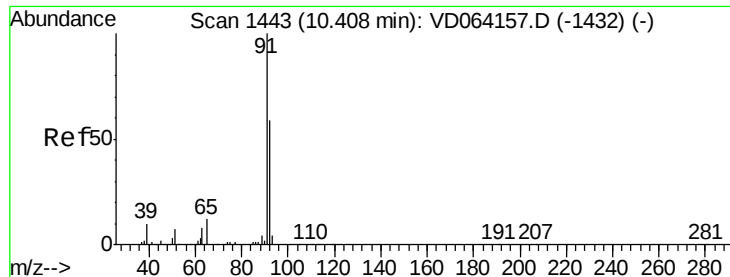
Tgt Ion: 43 Resp: 109942

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.4





#52

Toluene

Concen: 46.605 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

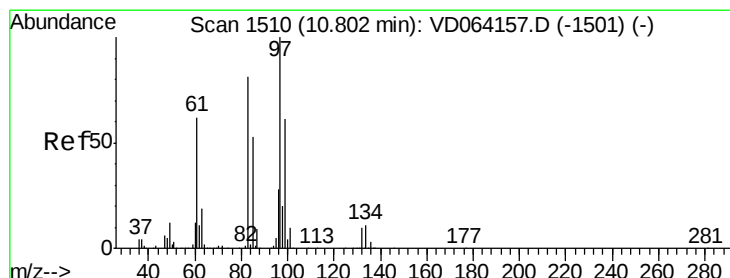
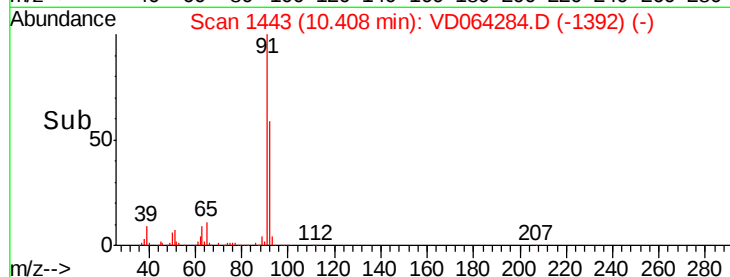
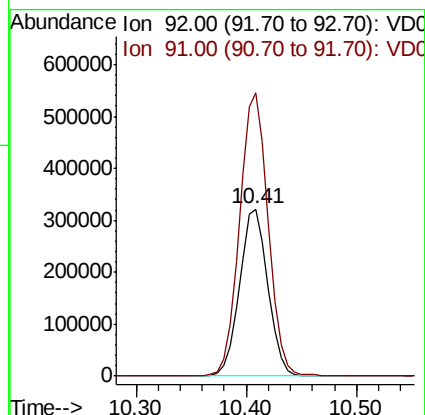
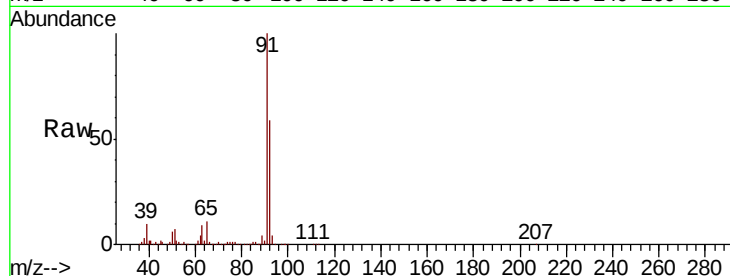
ClientSampled :

Tot Ion: 92 Resp: 580197

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6



#55

1,1,2-Trichloroethane

Concen: 21.130 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Tgt Ion: 97 Resp: 70716

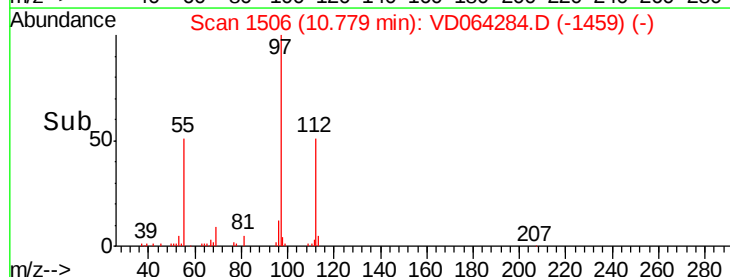
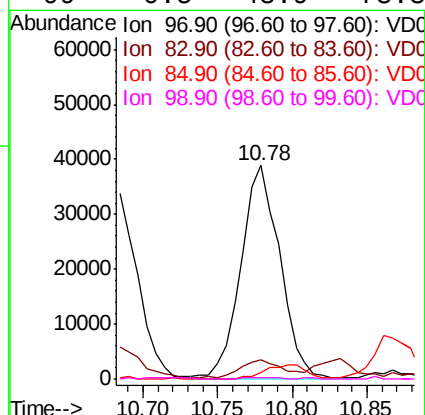
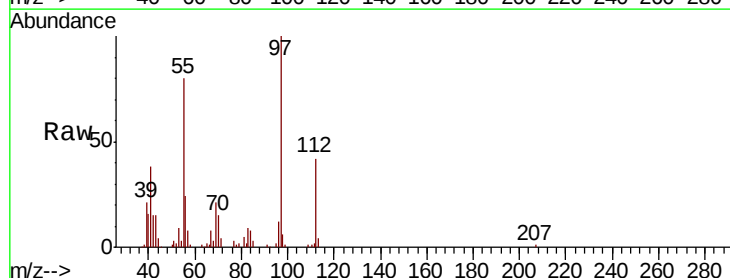
Ion Ratio Lower Upper

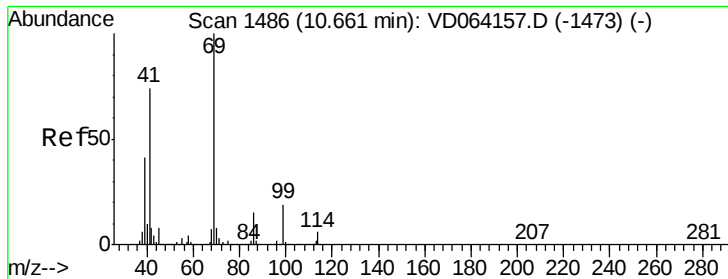
97 100

83 8.6 65.1 97.7#

85 2.9 42.0 63.0#

99 0.5 48.9 73.3#





#56

Ethyl methacrylate

Concen: 1.349 ug/l

RT: 10.64 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD064284.D

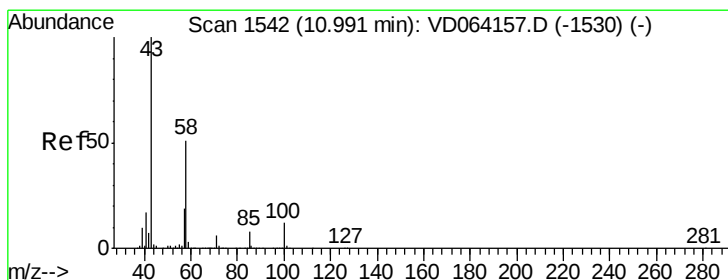
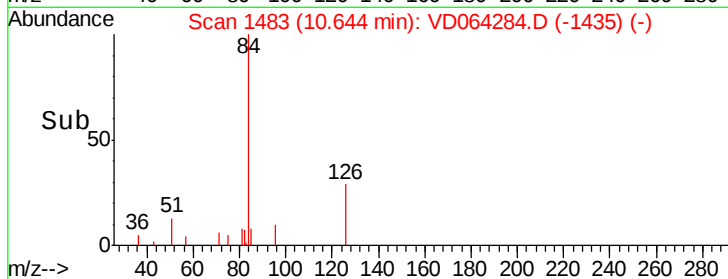
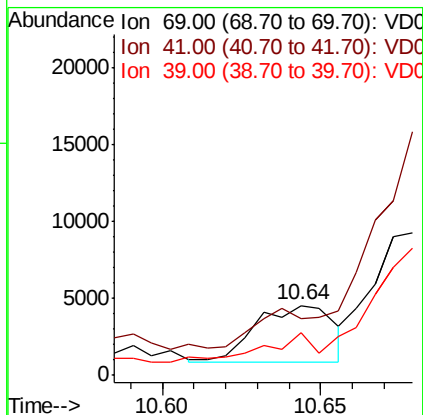
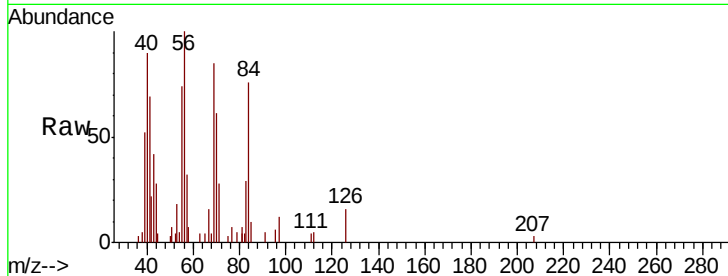
Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	69	Resp:	6317
Ion	Ratio	Lower	Upper
69	100		
41	0.0	57.9	86.9#
39	0.0	29.0	43.4#



#59

2-Hexanone

Concen: 37.622 ug/l

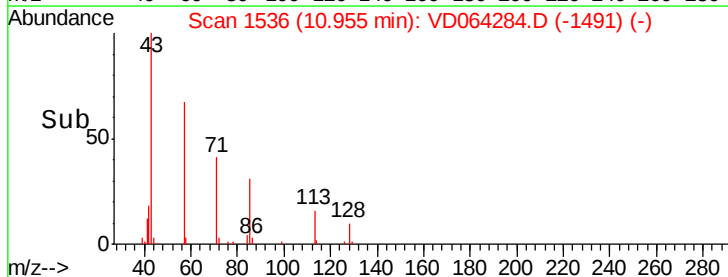
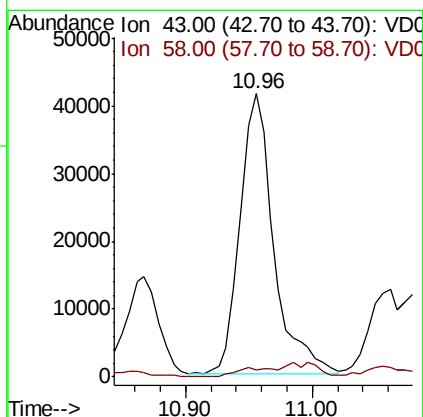
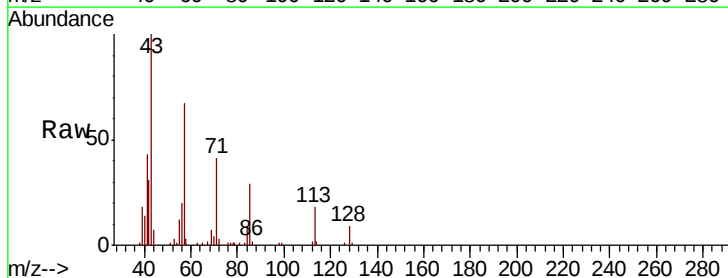
RT: 10.96 min Scan# 1536

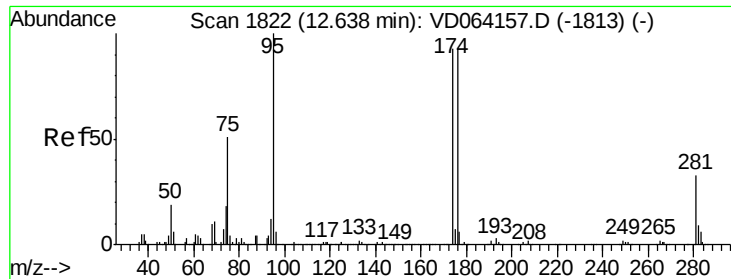
Delta R.T. -0.04 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Tgt Ion:	43	Resp:	77234
Ion	Ratio	Lower	Upper
43	100		
58	3.1	25.9	77.7#

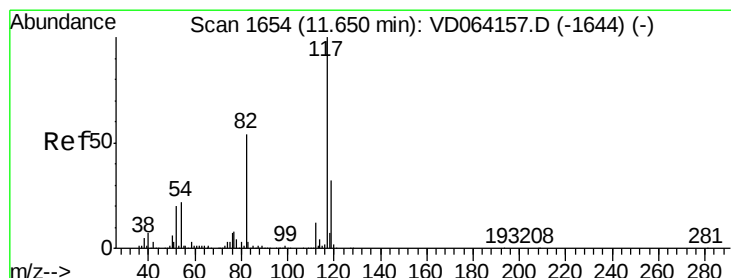
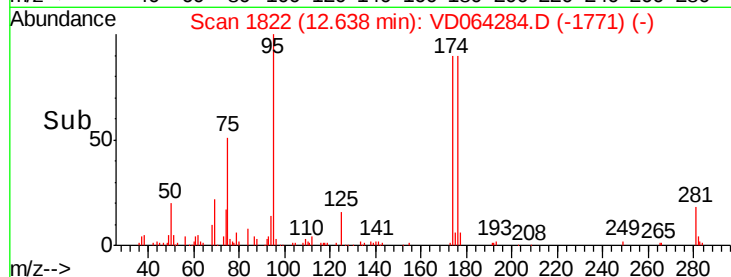
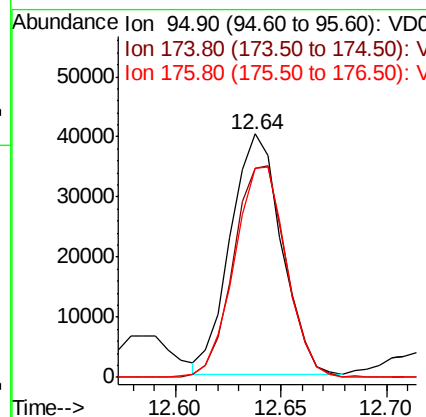
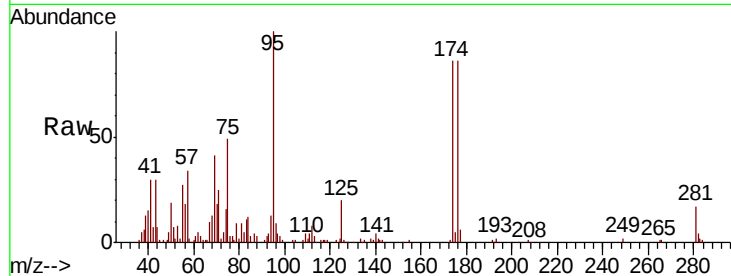




#62
4-Bromofluorobenzene
Concen: 11.901 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

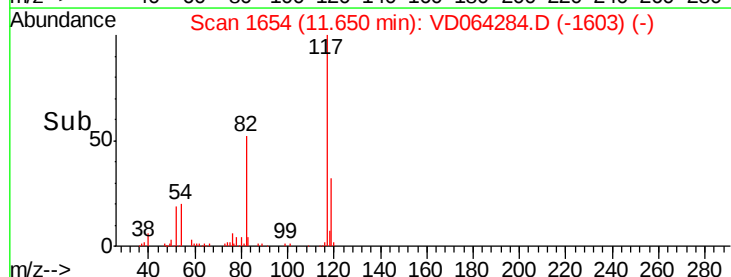
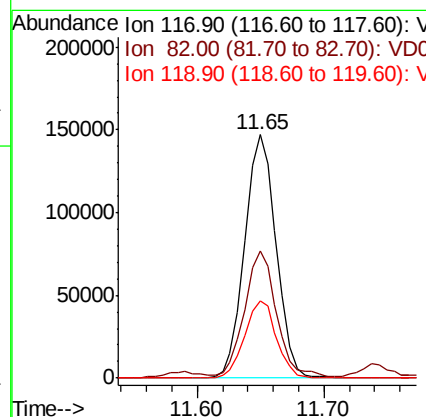
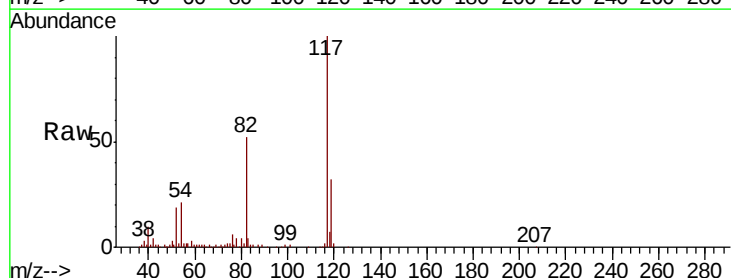
Instrument :
MSVOA_D
ClientSampled :

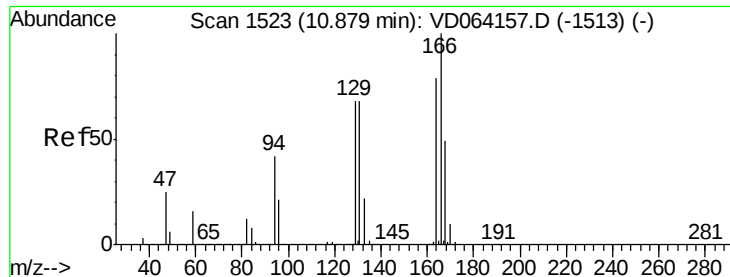
Tot Ion: 95 Resp: 66990
Ion Ratio Lower Upper
95 100
174 90.2 0.0 183.6
176 89.3 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 117 Resp: 253082
Ion Ratio Lower Upper
117 100
82 51.2 42.8 64.2
119 32.0 25.6 38.4





#64

Tetrachloroethene

Concen: 1.159 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

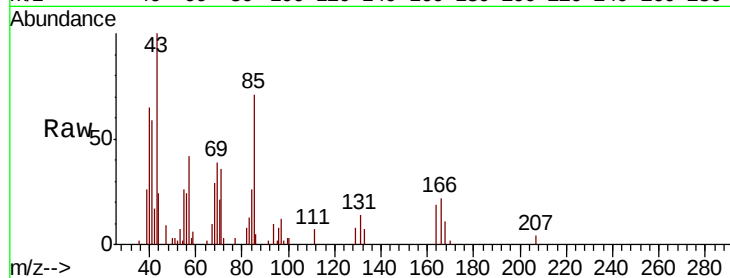
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 2255

Ion	Ratio	Lower	Upper
164	100		
166	114.3	100.8	151.2
129	41.1	68.7	103.1
131	74.2	68.1	102.1

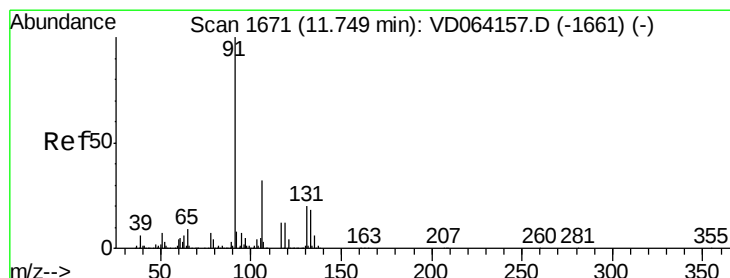
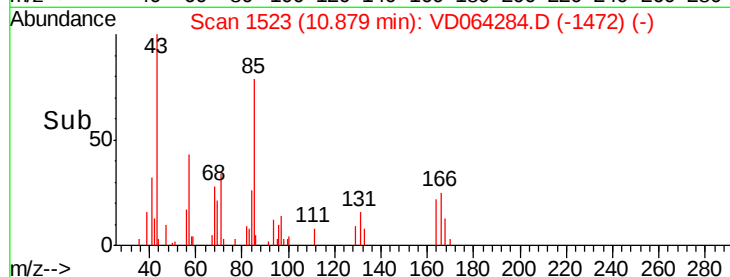


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 49.652 ug/l

RT: 11.75 min Scan# 1671

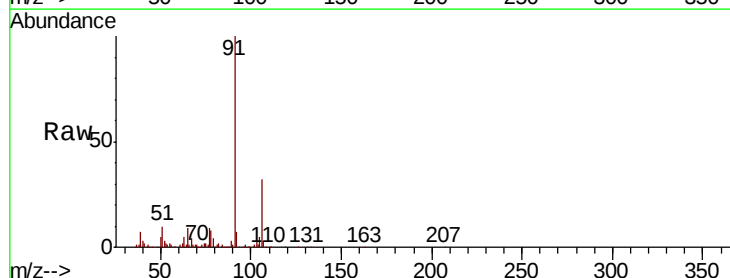
Delta R.T. -0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

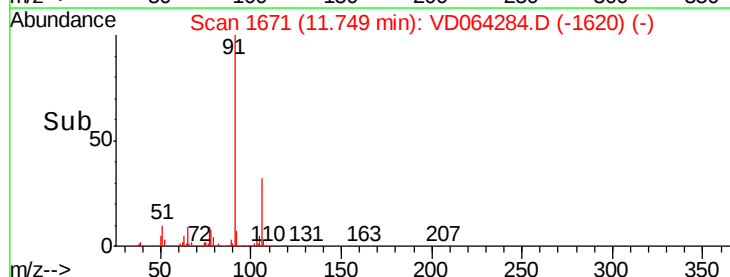
Tgt Ion: 91 Resp: 462210

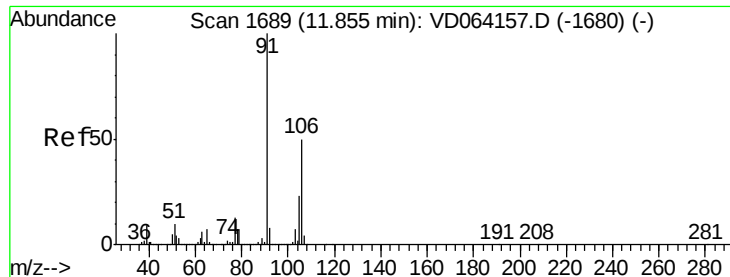
Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.5	38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

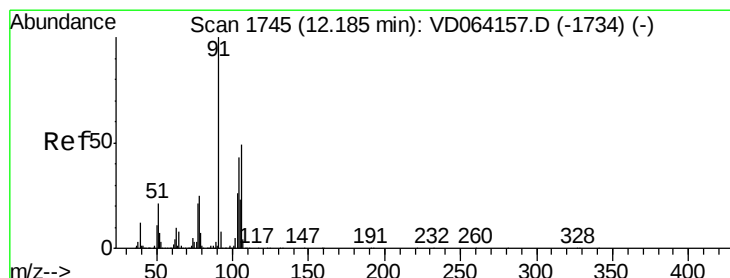
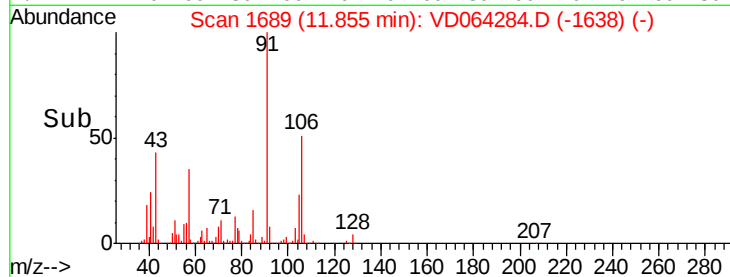
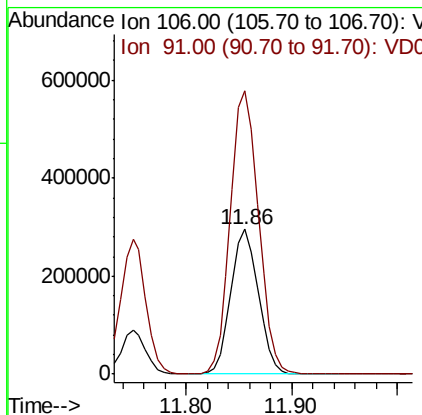
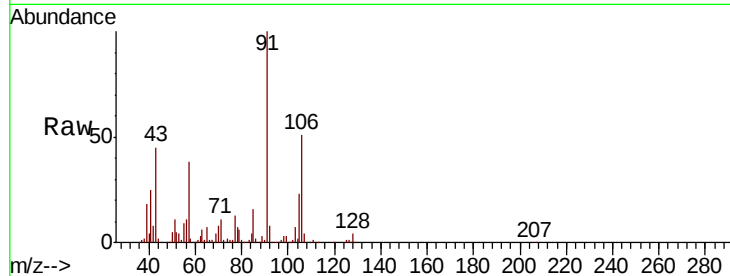




#68
m/p-Xylenes
Concen: 149.996 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

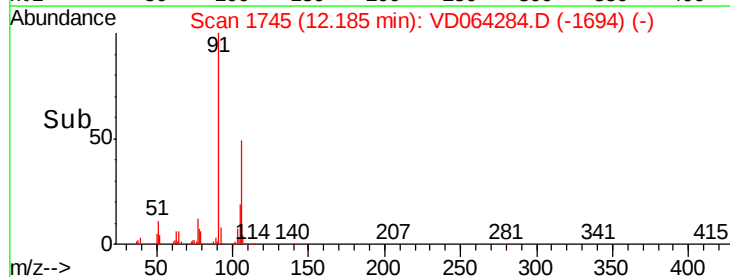
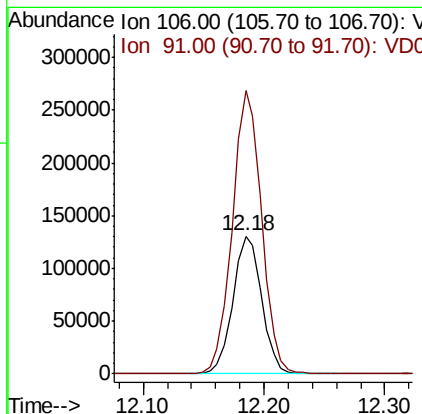
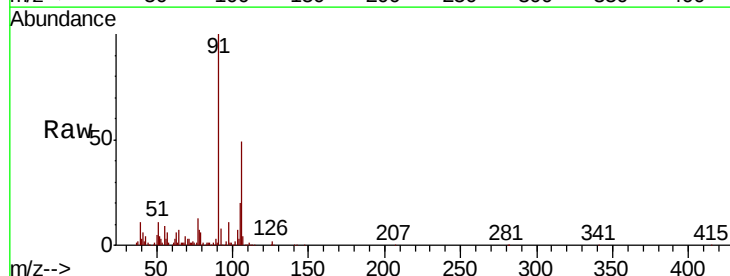
Instrument :
MSVOA_D
ClientSampled :

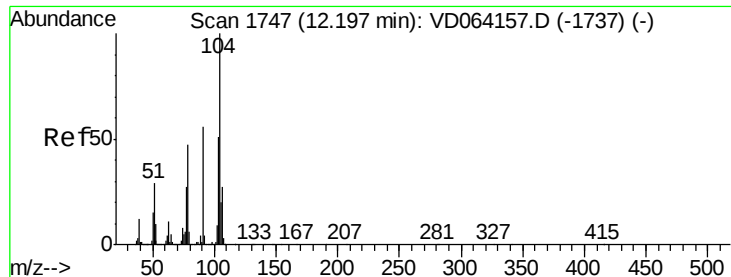
Tot Ion:106 Resp: 535211
Ion Ratio Lower Upper
106 100
91 200.0 160.3 240.5



#69
o-Xylene
Concen: 65.339 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion:106 Resp: 216223
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.3

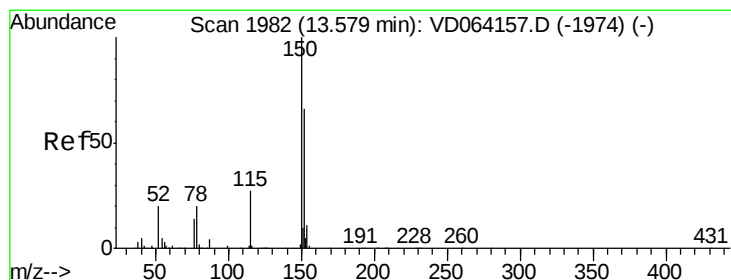
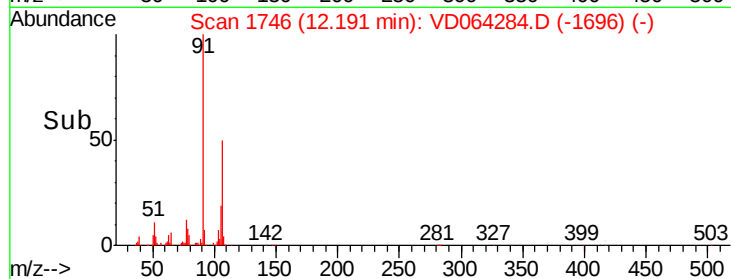
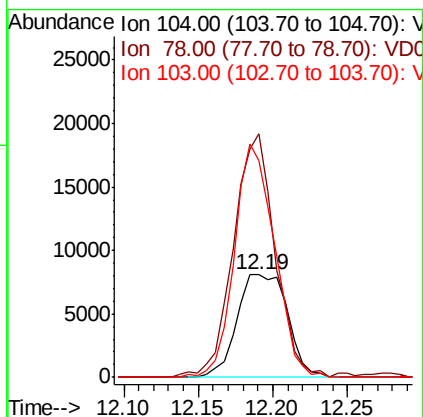
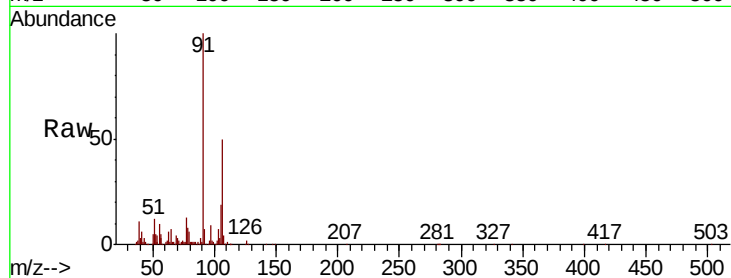




#70
Stvrene
Concen: 3.284 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

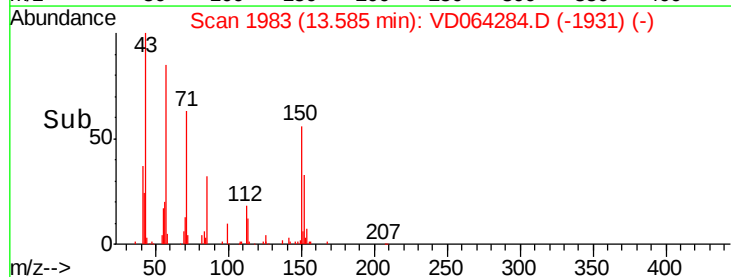
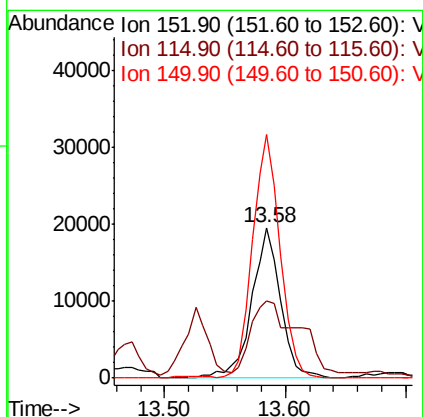
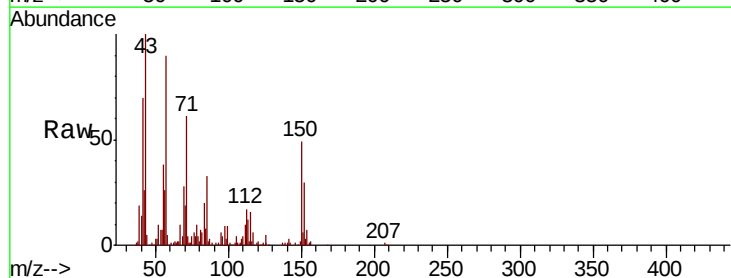
Instrument :
MSVOA_D
ClientSampleId :

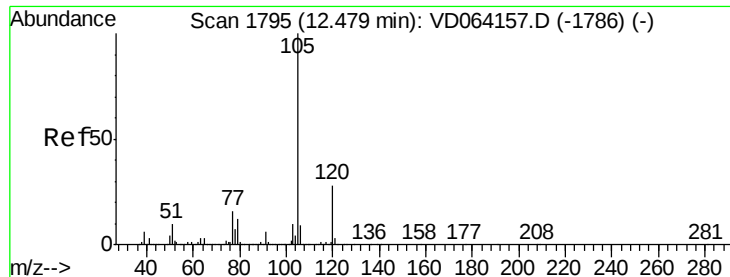
Tot Ion:104 Resp: 18972
Ion Ratio Lower Upper
104 100
78 195.7 39.9 59.9#
103 180.7 43.4 65.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion:152 Resp: 32419
Ion Ratio Lower Upper
152 100
115 77.4 27.4 82.2
150 154.0 0.0 351.6





#73

Isopropylbenzene

Concen: 44.356 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

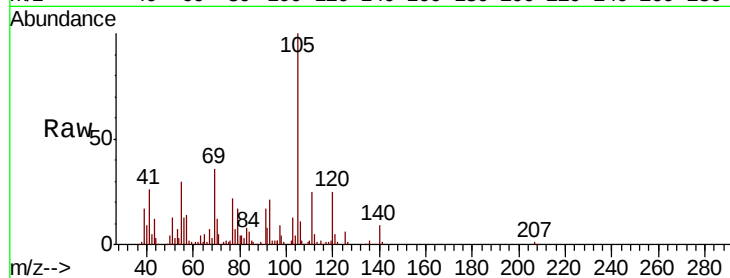
ClientSampleId :

Tot Ion:105 Resp: 105547

Ion Ratio Lower Upper

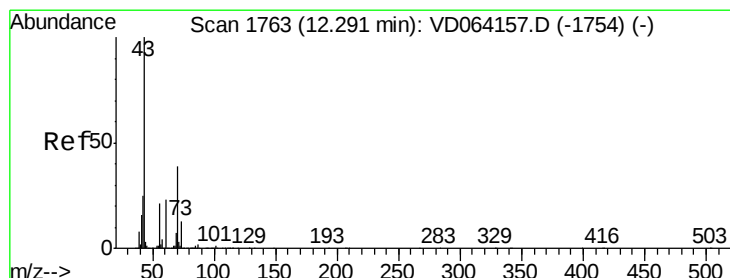
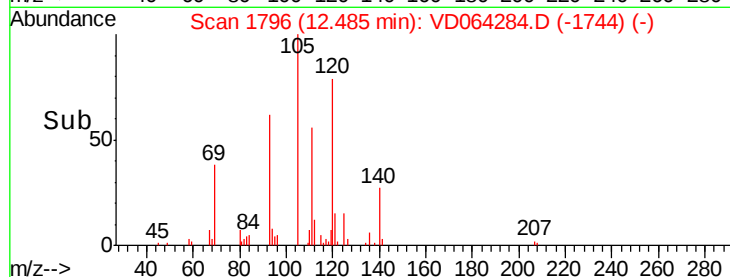
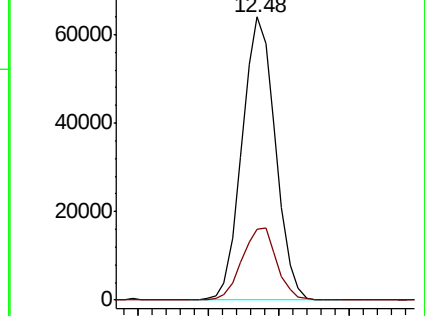
105 100

120 26.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 214.841 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Tgt Ion: 43 Resp: 120724

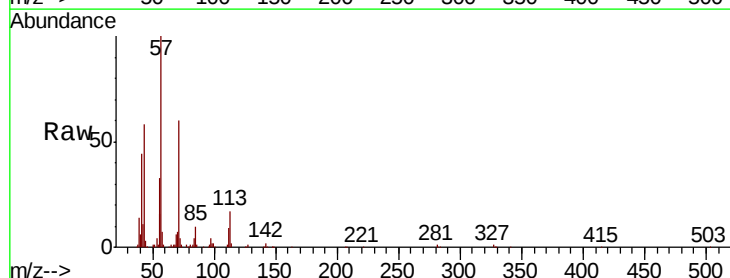
Ion Ratio Lower Upper

43 100

70 16.9 32.4 48.6#

55 0.0 17.9 26.9#

61 0.0 19.0 28.4#

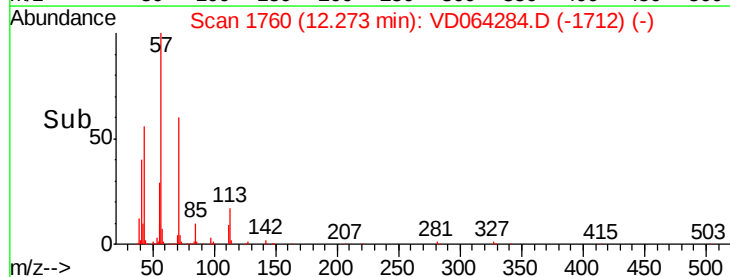
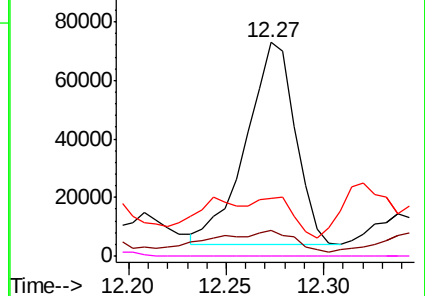


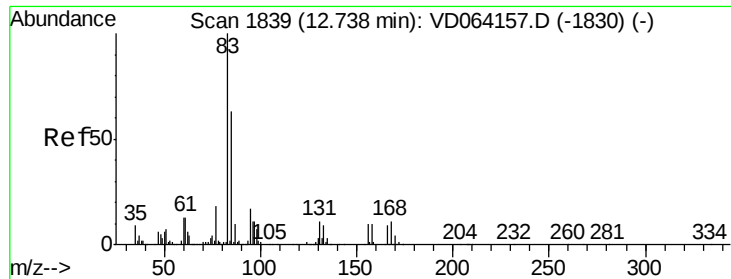
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.126 ug/l

RT: 12.71 min Scan# 1834

Delta R.T. -0.03 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

ClientSampled :

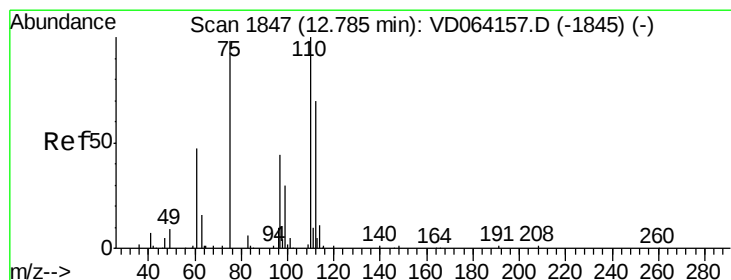
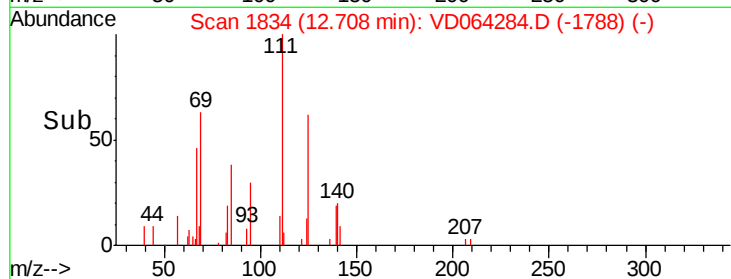
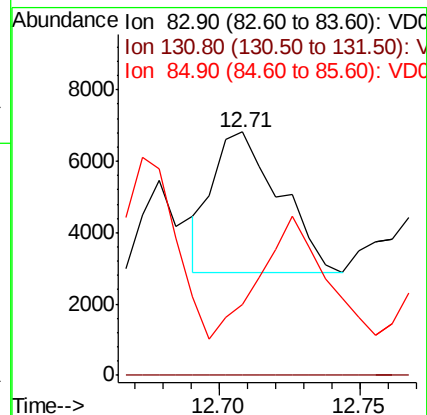
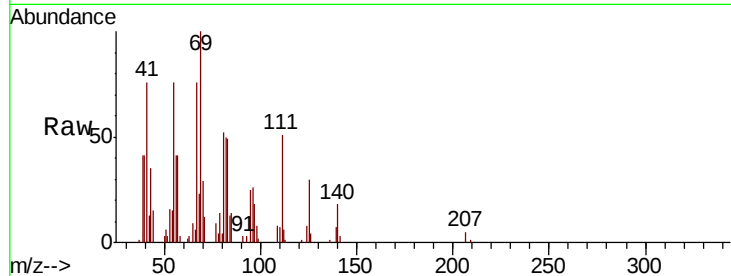
Tot Ion: 83 Resp: 6499

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

85 0.0 32.5 97.5#



#76

1,2,3-Trichloropropane

Concen: 6.349 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.05 min

Lab File: VD064284.D

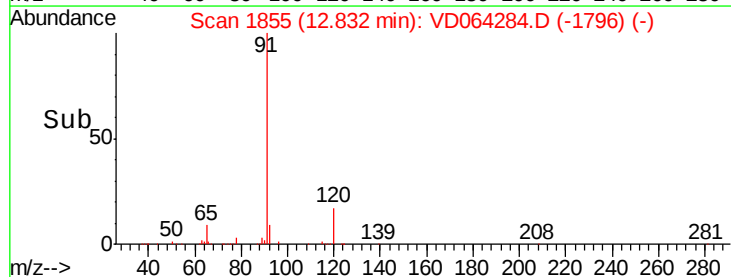
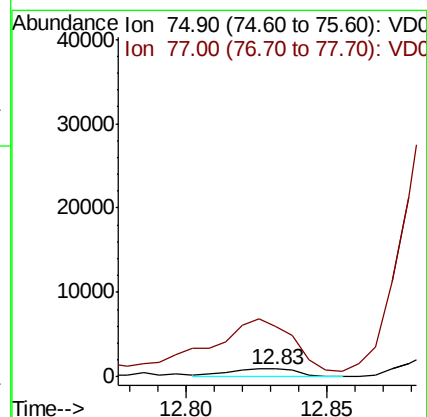
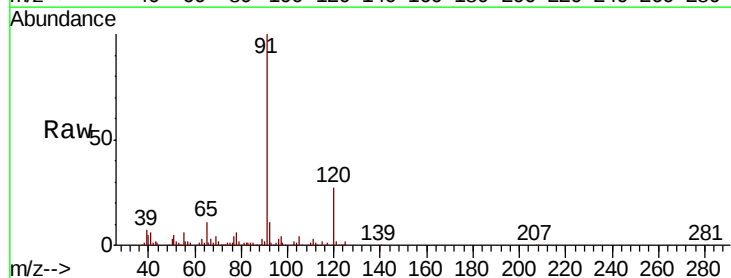
Acq: 19 Nov 2019 12:32

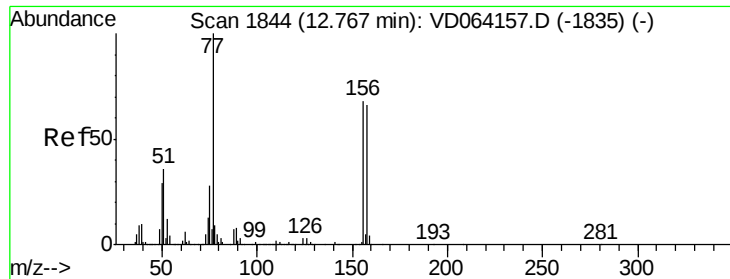
Tgt Ion: 75 Resp: 1658

Ion Ratio Lower Upper

75 100

77 751.3 0.0 0.0#





#77

Bromobenzene

Concen: 2.543 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

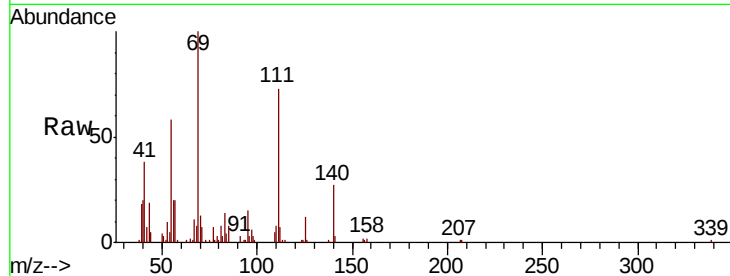
Tot Ion:156 Resp: 1470

Ion Ratio Lower Upper

156 100

77 0.0 81.2 243.4#

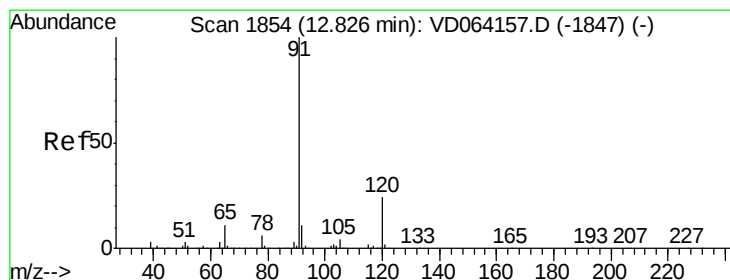
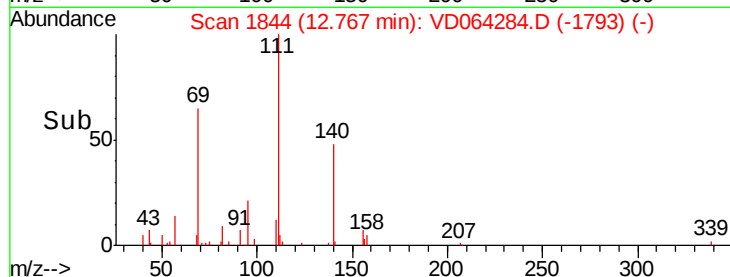
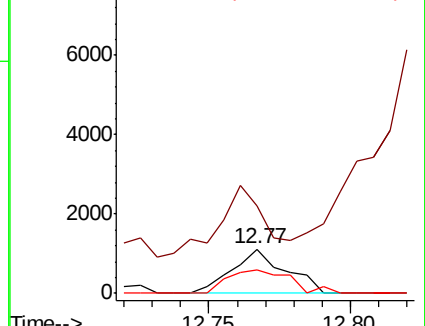
158 62.0 48.4 145.2



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: 89.906 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064284.D

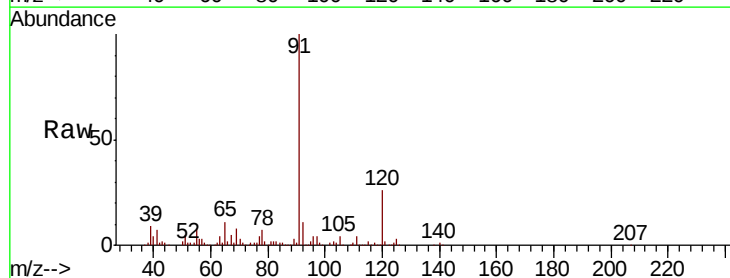
Acq: 19 Nov 2019 12:32

Tgt Ion: 91 Resp: 244425

Ion Ratio Lower Upper

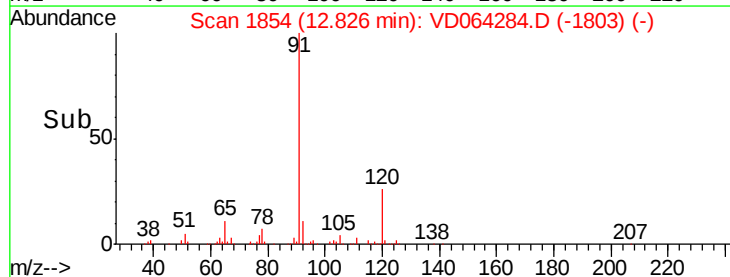
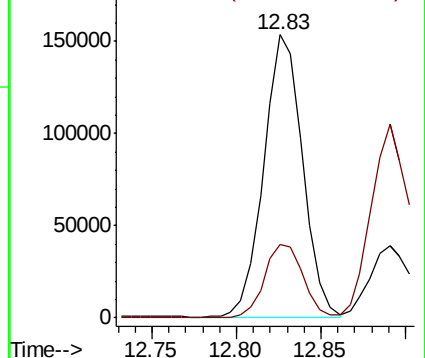
91 100

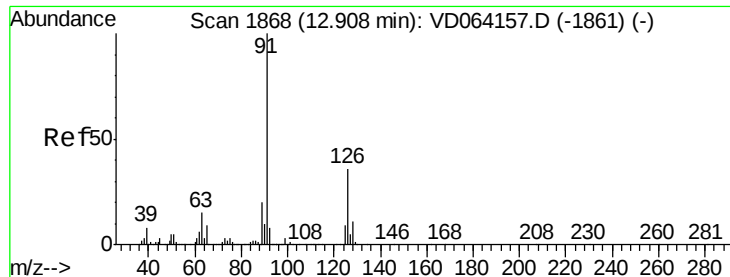
120 25.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

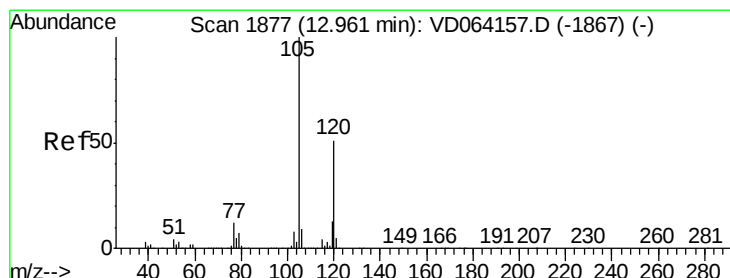
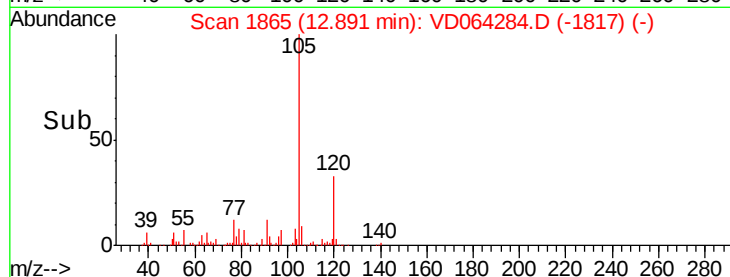
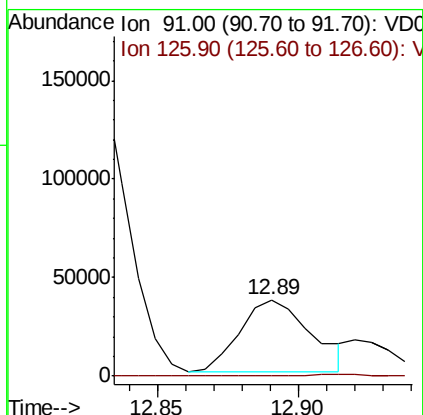
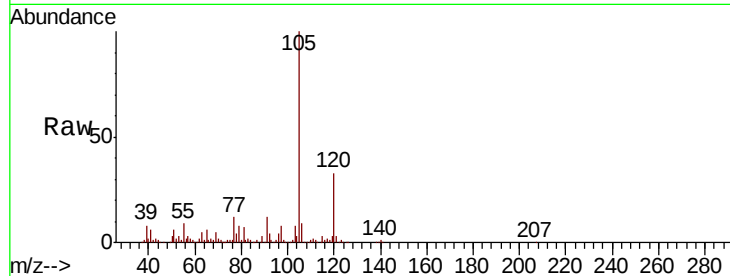




#79
 2-Chlorotoluene
 Concen: 41.980 ug/l
 RT: 12.89 min Scan# 1865
 Delta R.T. -0.02 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

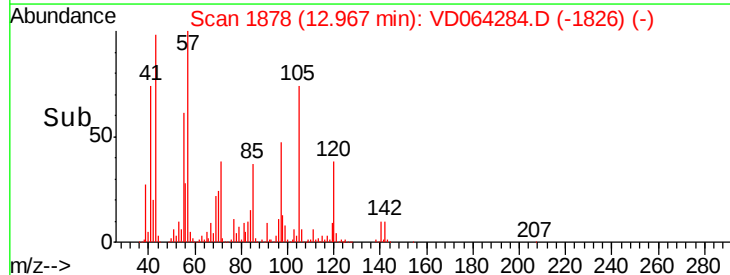
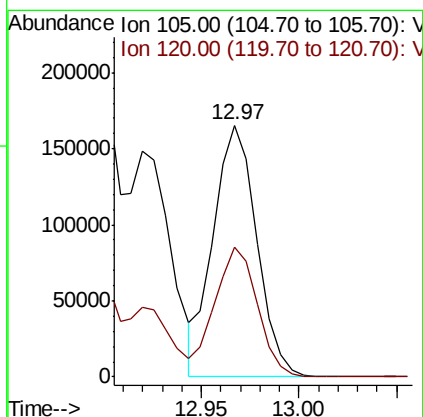
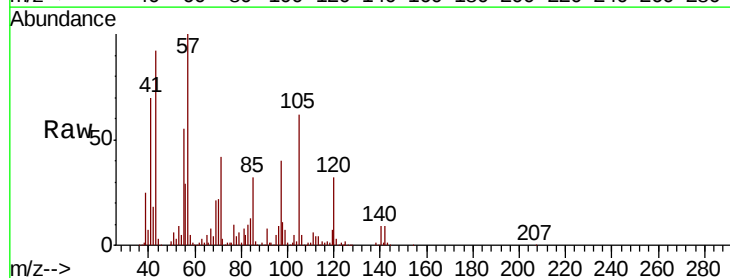
Instrument :
 MSVOA_D
 ClientSampleId :

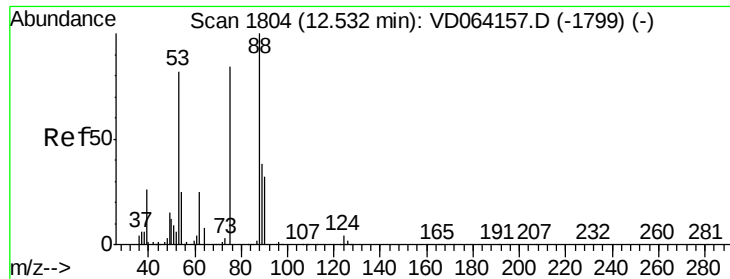
Tot Ion: 91 Resp: 64435
 Ion Ratio Lower Upper
 91 100
 126 1.0 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 130.613 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Tgt Ion: 105 Resp: 255384
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.4

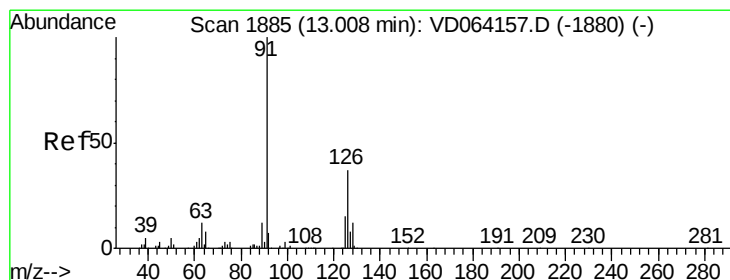
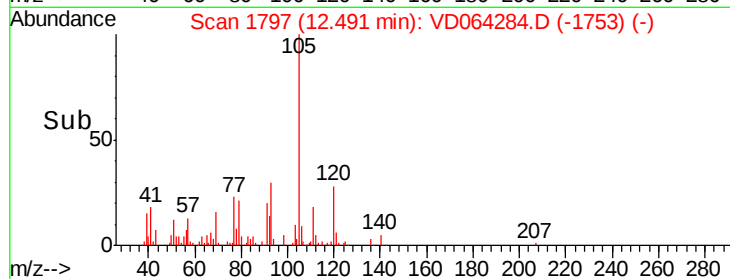
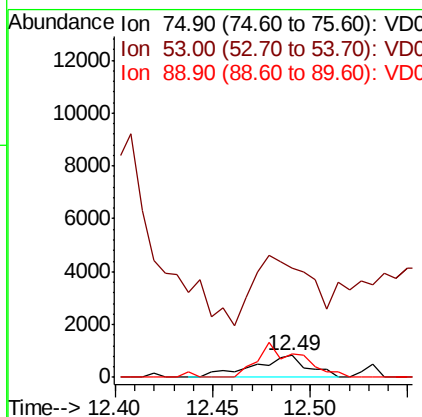
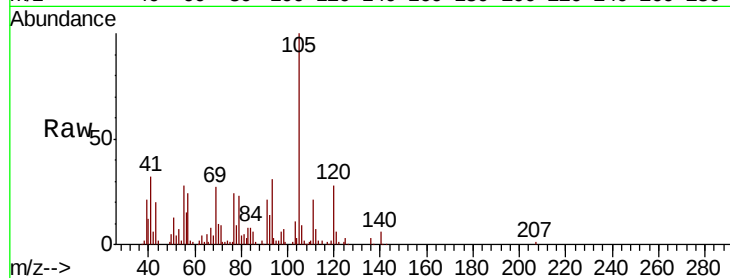




#81
trans-1,4-Dichloro-2-butene
Concen: 12.521 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. -0.04 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

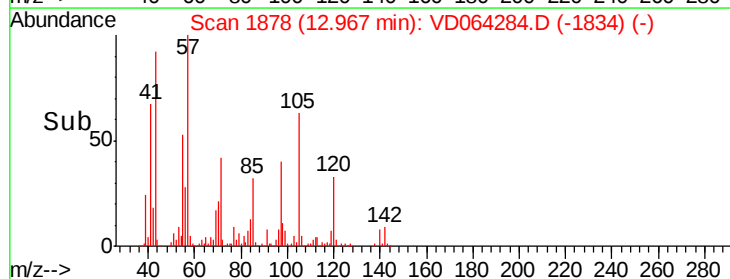
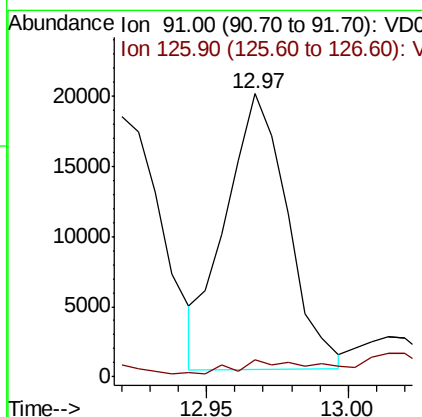
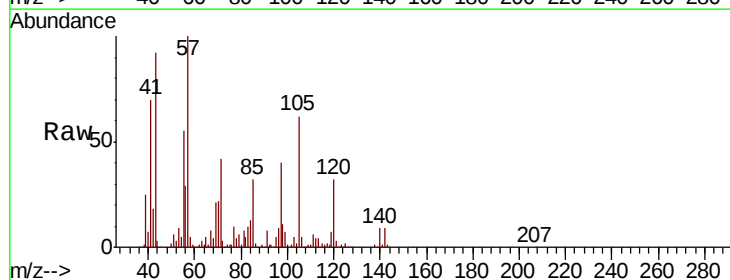
Instrument :
MSVOA_D
ClientSampleId :

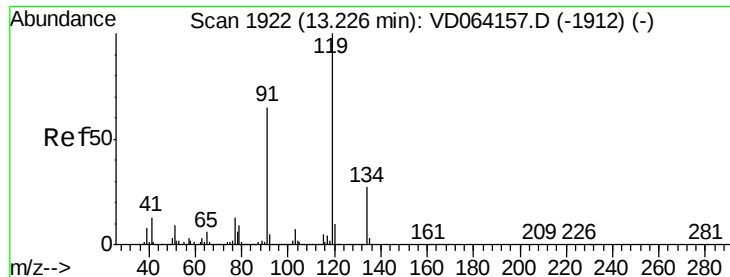
Tot Ion: 75 Resp: 1646
Ion Ratio Lower Upper
75 100
53 314.9 79.4 119.0#
89 119.9 36.6 55.0#



#82
4-Chlorotoluene
Concen: 18.705 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.04 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 91 Resp: 29945
Ion Ratio Lower Upper
91 100
126 7.2 17.8 53.4#

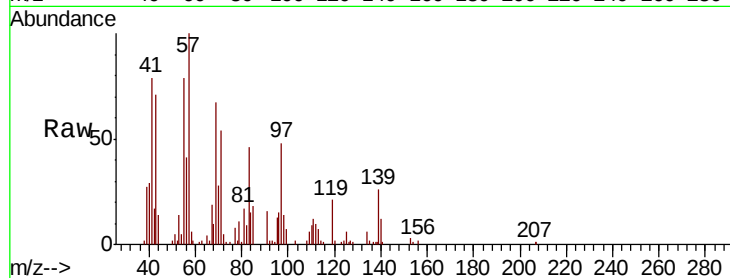




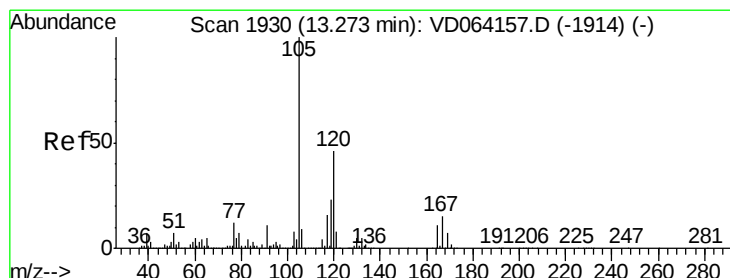
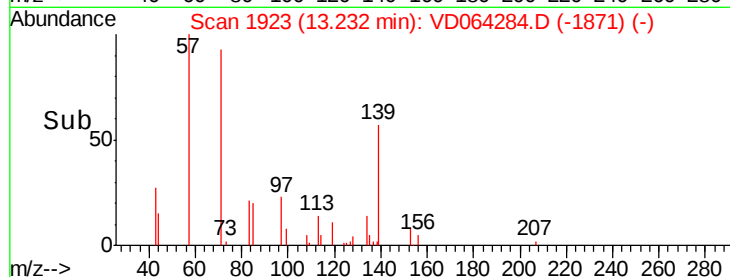
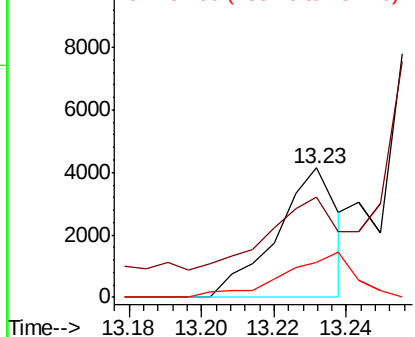
#83
tert-Butylbenzene
Concen: 2.822 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 4866
Ion Ratio Lower Upper
119 100
91 82.7 31.8 95.4
134 39.5 13.7 41.0

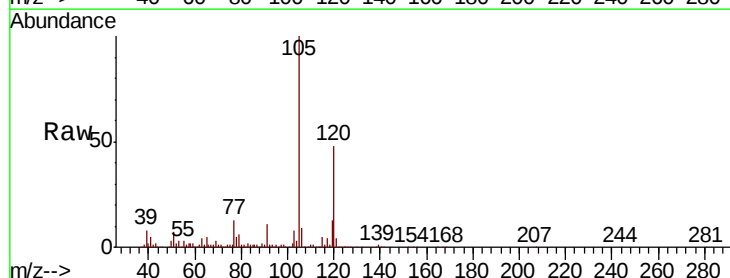


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

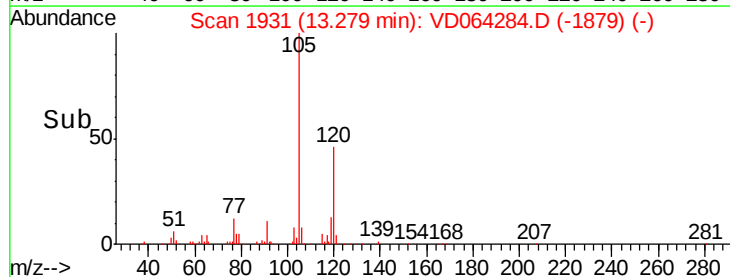
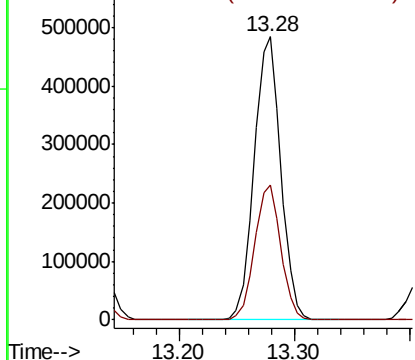


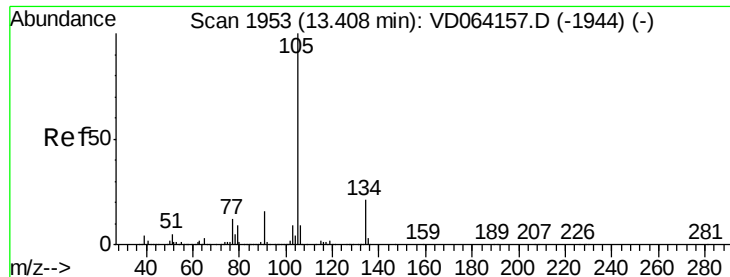
#84
1,2,4-Trimethylbenzene
Concen: 402.559 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion:105 Resp: 777085
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8



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





#85

sec-Butylbenzene

Concen: 47.771 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

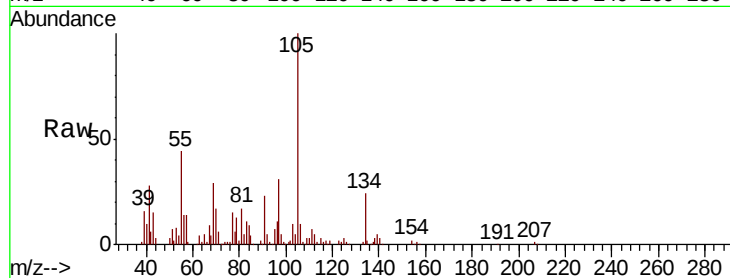
ClientSampleId :

Tot Ion:105 Resp: 110621

Ion Ratio Lower Upper

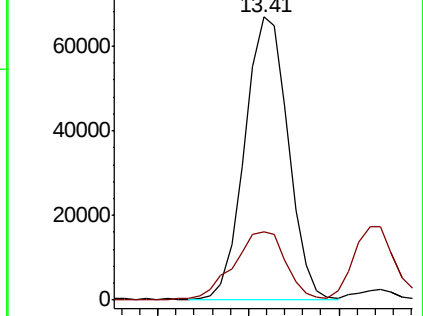
105 100

134 29.5 10.7 31.9

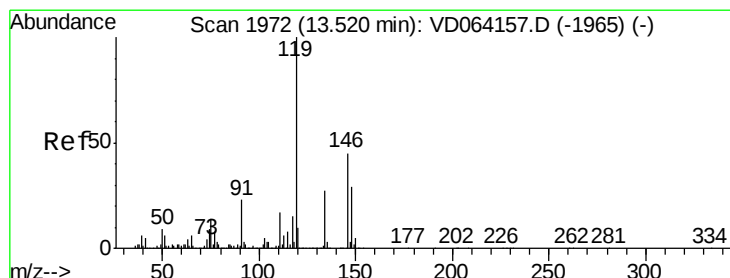
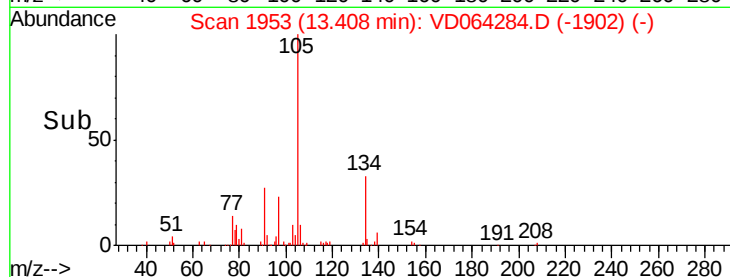


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 69.559 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

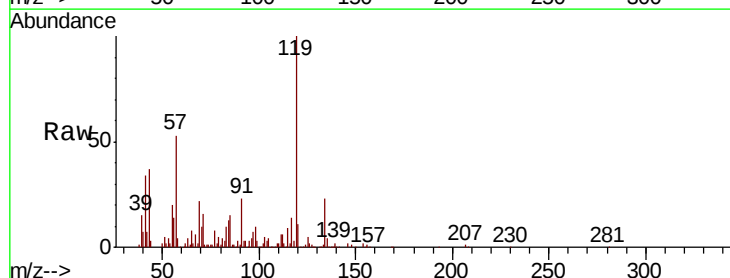
Tgt Ion:119 Resp: 153132

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

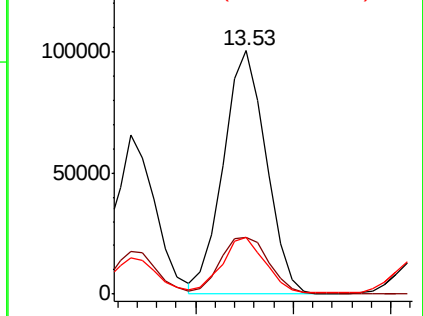
91 23.0 11.5 34.4



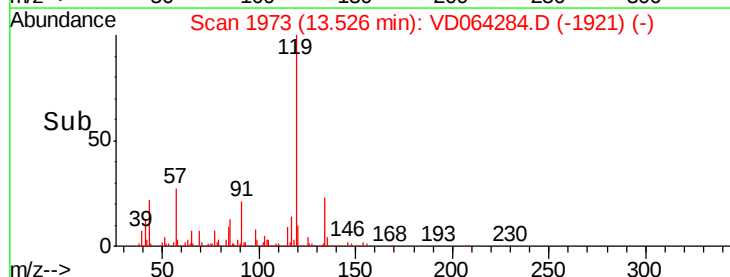
Abundance Ion 119.00 (118.70 to 119.70): V

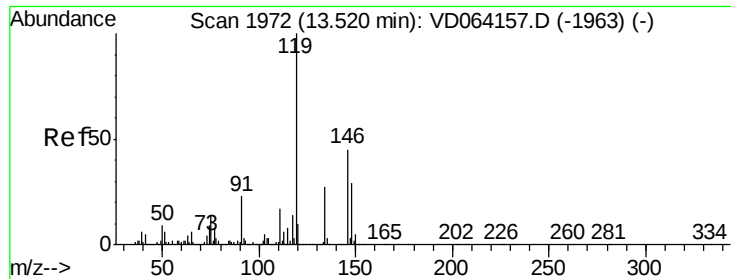
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 2.637 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064284.D

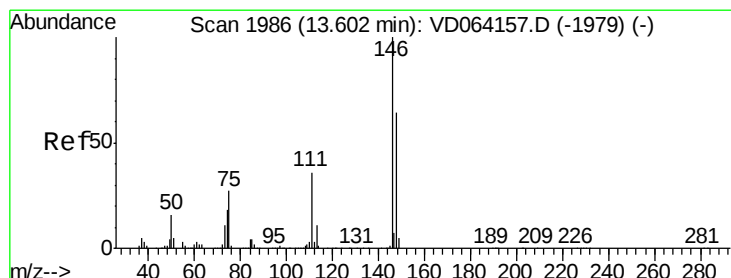
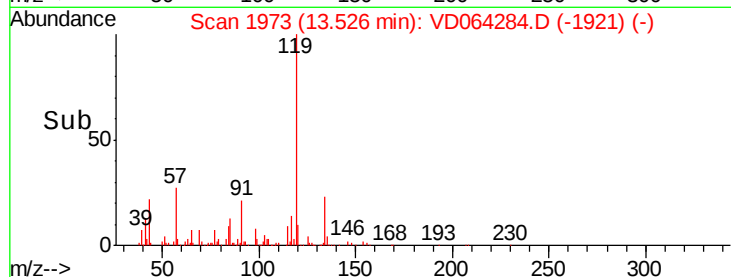
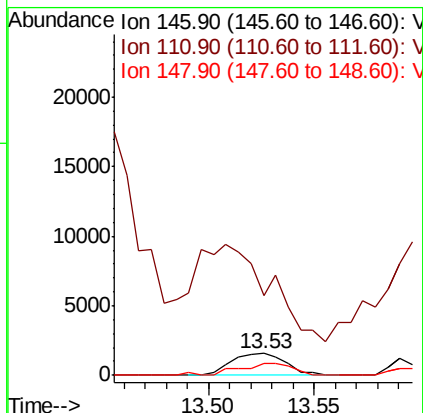
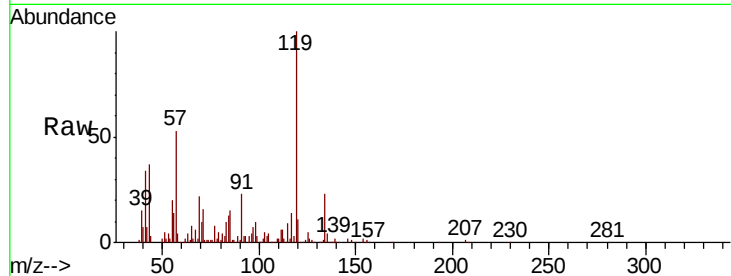
Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	2830
Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	54.1	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 2.488 ug/l

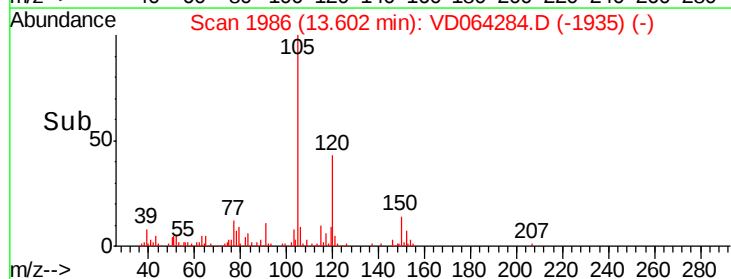
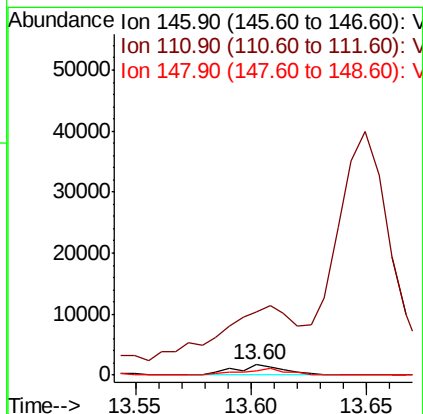
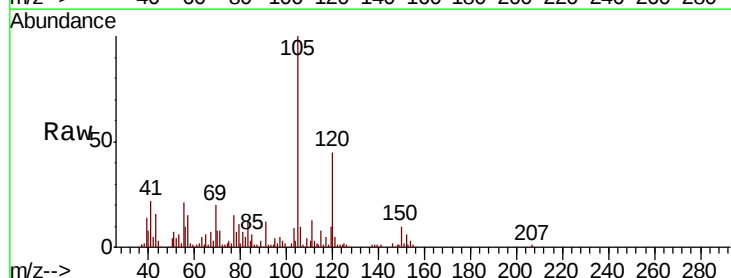
RT: 13.60 min Scan# 1986

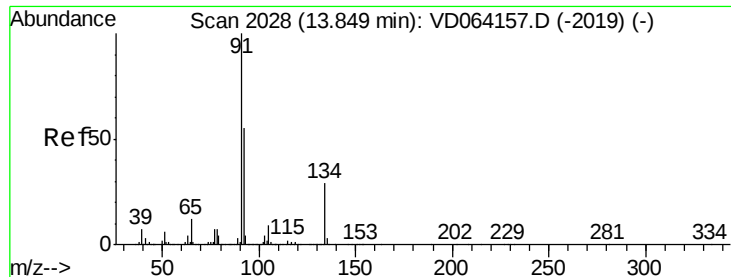
Delta R.T. 0.00 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Tgt Ion:	146	Resp:	2606
Ion	Ratio	Lower	Upper
146	100		
111	744.5	18.1	54.4#
148	57.2	31.9	95.7

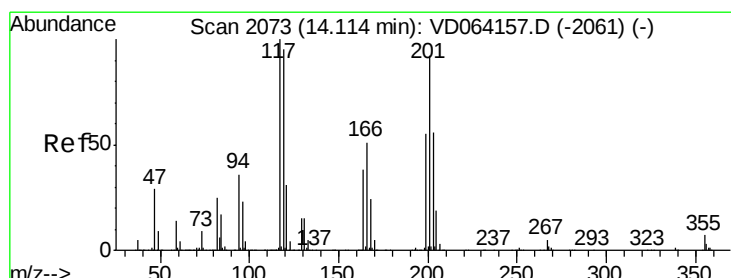
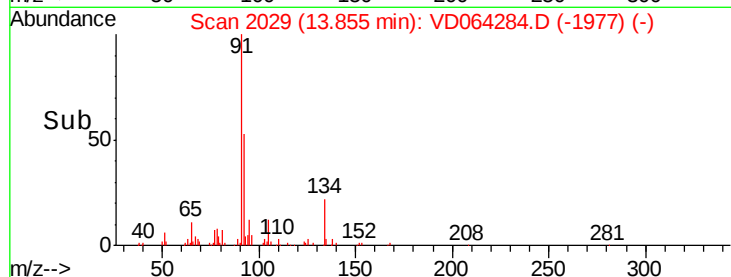
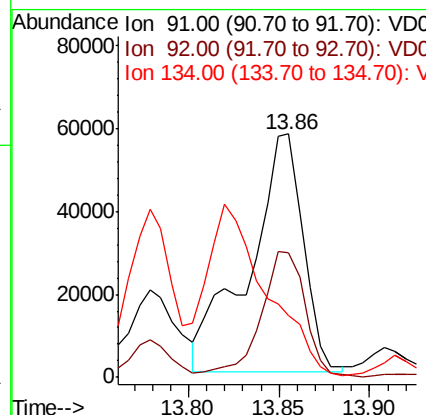
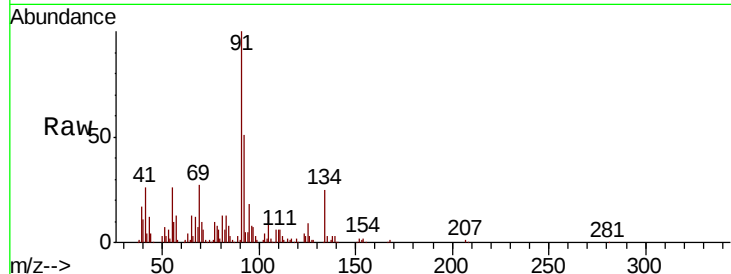




#89
n-Butylbenzene
Concen: 60.119 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

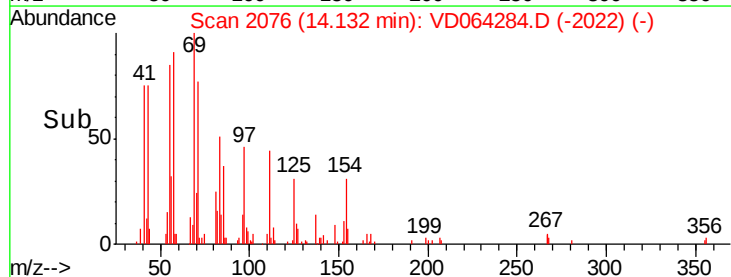
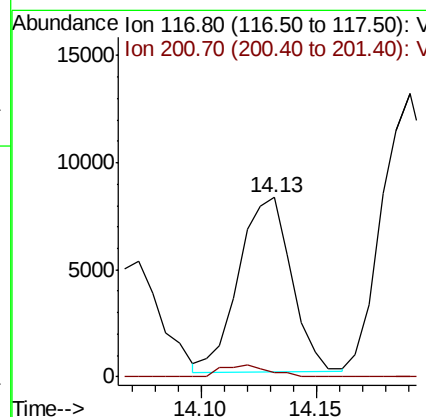
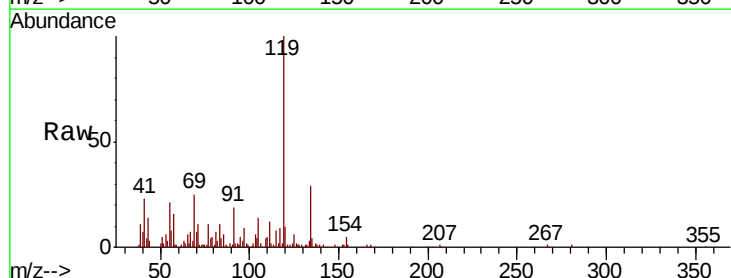
Instrument :
MSVOA_D
ClientSampleId :

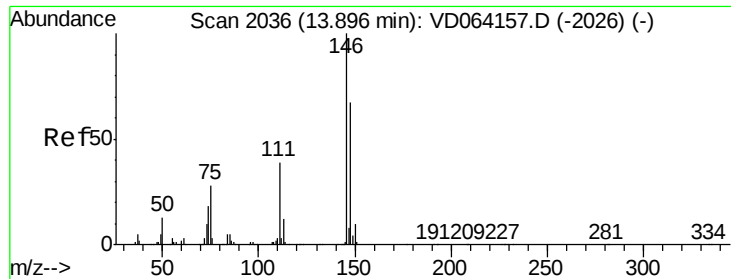
Tot Ion: 91 Resp: 119571
Ion Ratio Lower Upper
91 100
92 42.8 27.3 81.8
134 0.0 14.1 42.4#



#90
Hexachloroethane
Concen: 32.171 ug/l
RT: 14.13 min Scan# 2076
Delta R.T. 0.02 min
Lab File: VD064284.D
Acq: 19 Nov 2019 12:32

Tgt Ion: 117 Resp: 13089
Ion Ratio Lower Upper
117 100
201 5.9 45.8 137.4#

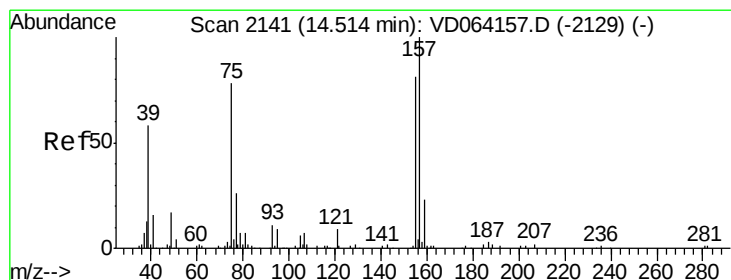
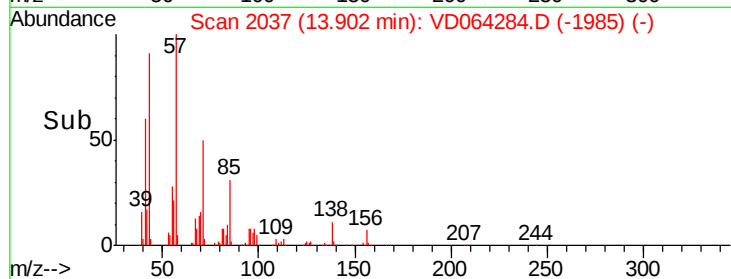
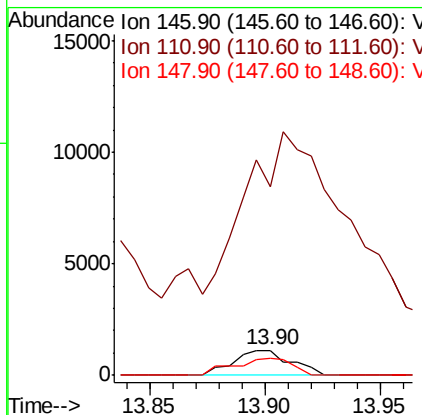
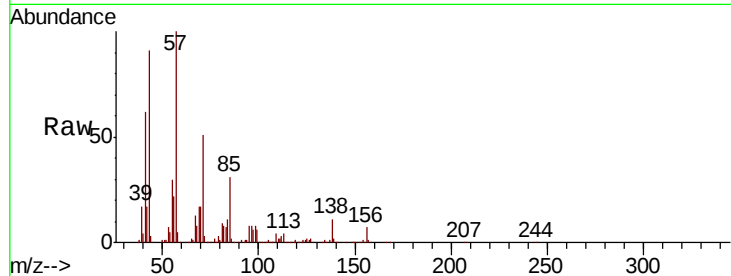




#91
 1,2-Dichlorobenzene
 Concen: 2.135 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

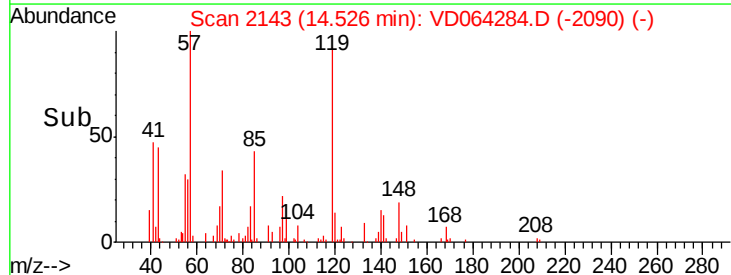
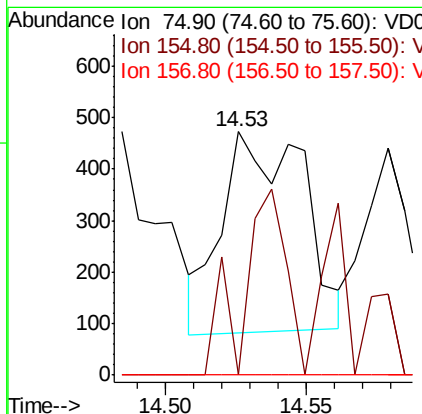
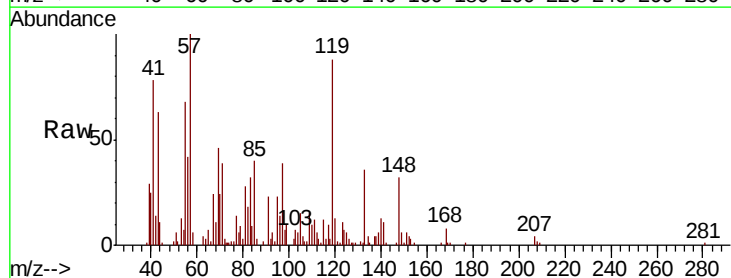
Instrument :
 MSVOA_D
 ClientSampled :

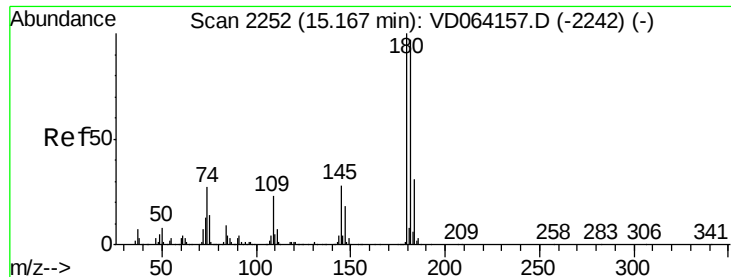
Tot Ion:146 Resp: 1939
 Ion Ratio Lower Upper
 146 100
 111 1380.8 19.7 59.0#
 148 70.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.198 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Tgt Ion: 75 Resp: 782
 Ion Ratio Lower Upper
 75 100
 155 49.5 48.0 144.0
 157 0.0 61.5 184.4#

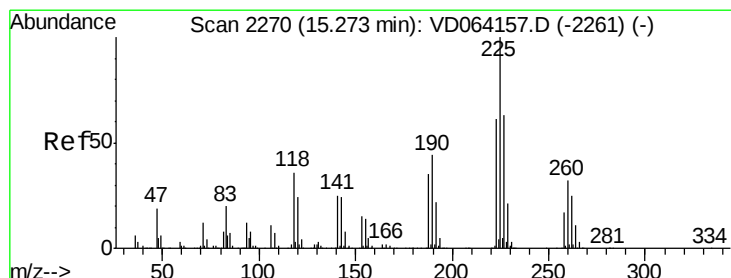
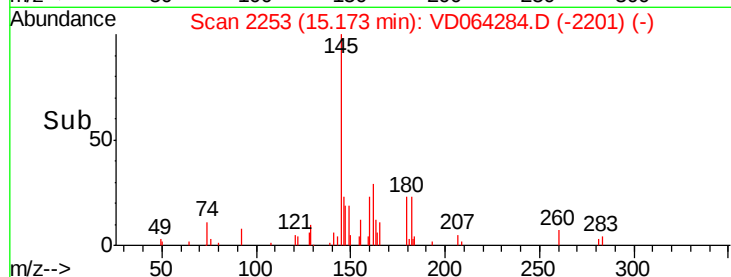
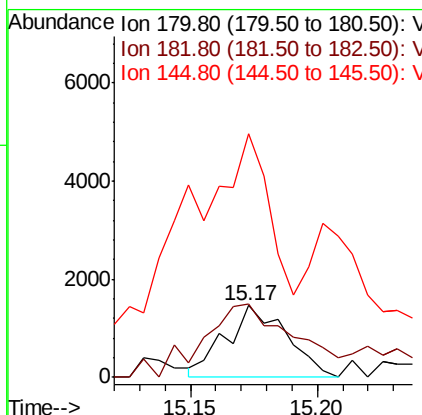
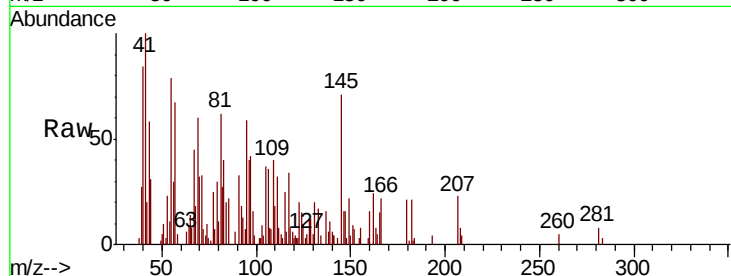




#93
 1,2,4-Trichlorobenzene
 Concen: 3.504 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

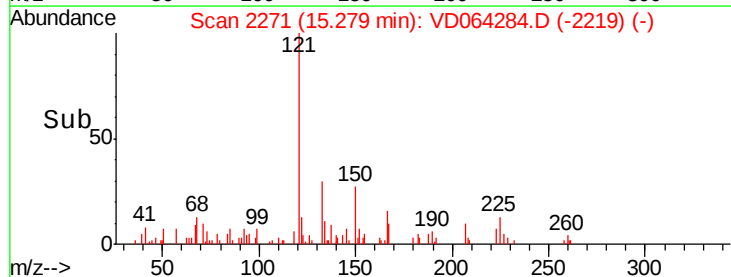
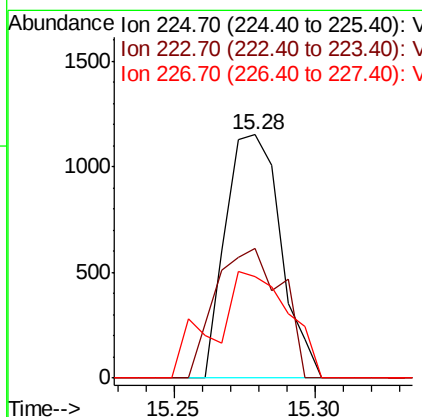
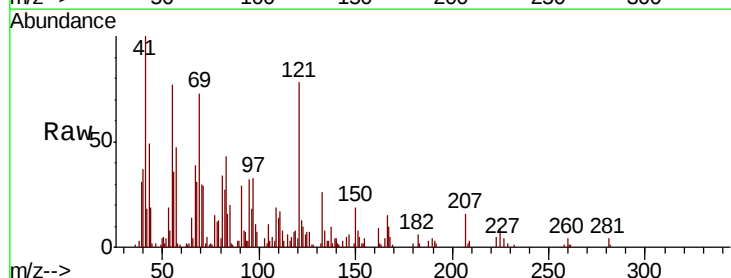
Instrument :
 MSVOA_D
 ClientSampleId :

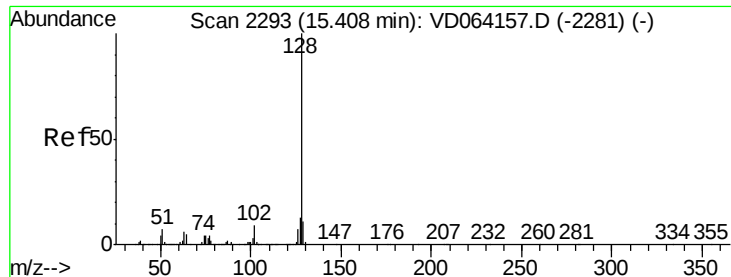
Tot Ion:180 Resp: 2455
 Ion Ratio Lower Upper
 180 100
 182 155.4 47.5 142.5#
 145 540.9 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: 3.451 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064284.D
 Acq: 19 Nov 2019 12:32

Tgt Ion:225 Resp: 1562
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.1 93.3
 227 59.1 31.5 94.5





#95

Naphthalene

Concen: 19.120 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

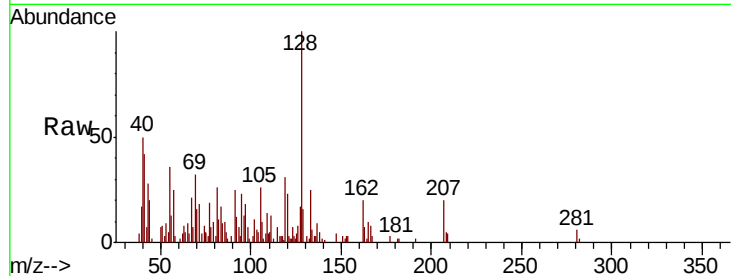
Tot Ion:128 Resp: 21960

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

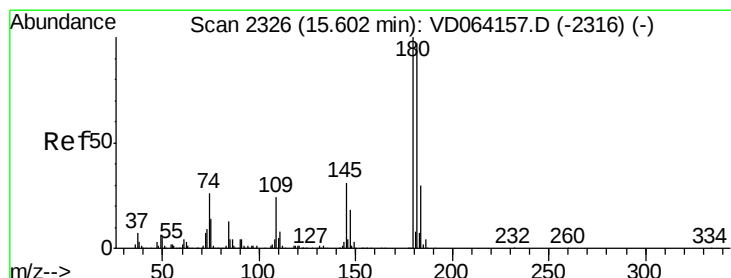
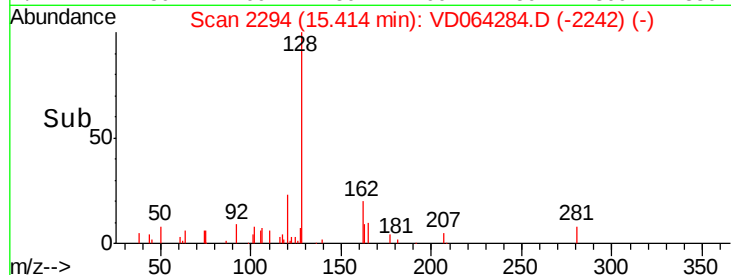
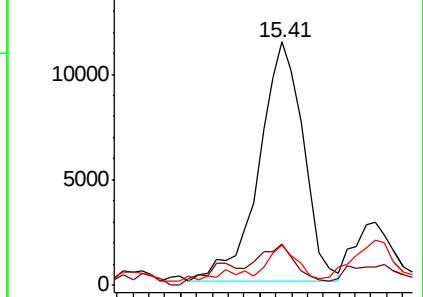
129 8.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.483 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064284.D

Acq: 19 Nov 2019 12:32

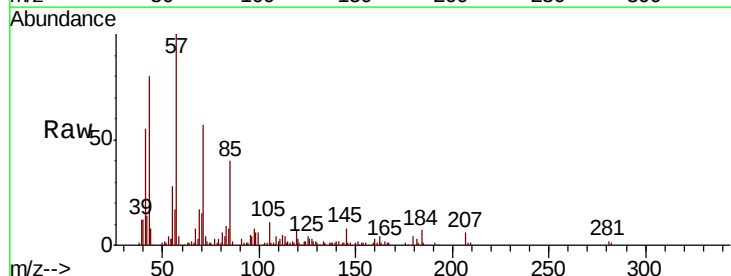
Tgt Ion:180 Resp: 3861

Ion Ratio Lower Upper

180 100

182 92.0 48.3 144.9

145 179.0 15.3 45.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

