

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064348.D
 Acq On : 22 Nov 2019 15:34
 Operator : VA/SY
 Sample : K5977-01
 Misc : 5.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:47:23 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	95210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	155114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	116996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	30733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	76981	98.31	ug/l	0.00
Spiked Amount			Recovery	=	196.62%	
35) Dibromofluoromethane	7.92	113	40380	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
50) Toluene-d8	10.34	98	169690	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.64	95	37752	32.46	ug/l	0.00
Spiked Amount			Recovery	=	64.92%	

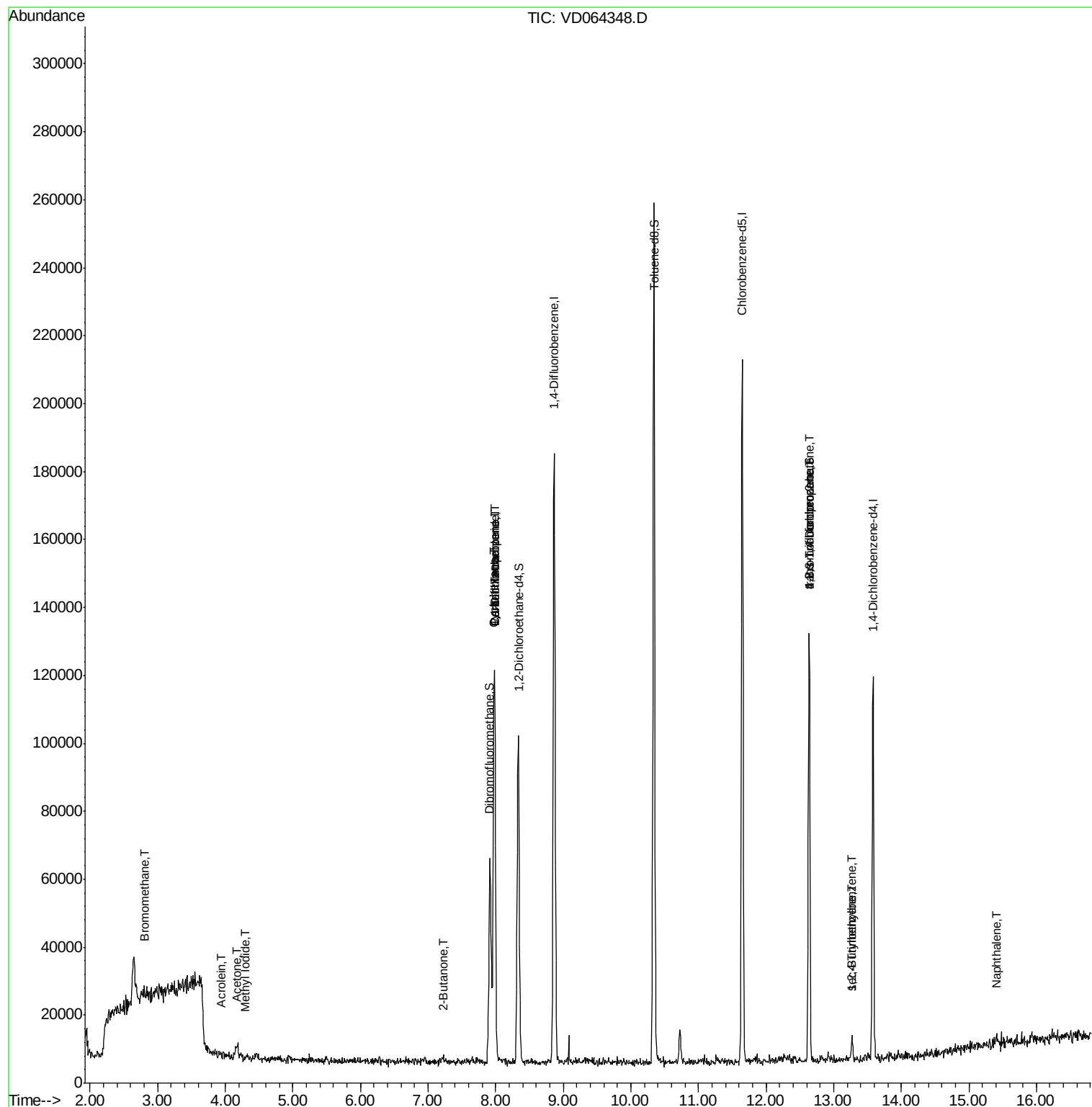
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.80	94	1404	2.455	ug/l #	43
10) Methyl Iodide	4.30	142	217	2.249	ug/l #	41
13) Acrolein	3.94	56	198	4.279	ug/l #	35
16) Acetone	4.17	43	7293	39.314	ug/l	89
25) 2-Butanone	7.22	43	442	1.844	ug/l #	49
31) Cyclohexane	7.97	56	2337	1.521	ug/l #	57
36) 1,1-Dichloropropene	7.98	75	6614	4.620	ug/l #	45
38) Carbon Tetrachloride	7.98	117	8938	5.835	ug/l #	12
76) 1,2,3-Trichloropropane	12.64	75	19317	78.034	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	19317	155.007	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	4131	2.257	ug/l	87
85) sec-Butylbenzene	13.27	105	4131	1.882	ug/l #	55
95) Naphthalene	15.41	128	2205	2.025	ug/l #	90

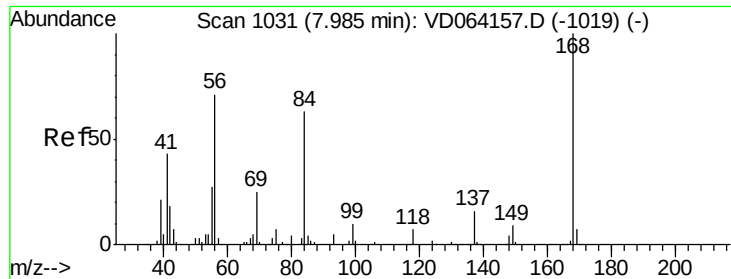
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064348.D

Acq: 22 Nov 2019 15:34

Instrument :

MSVOA_D

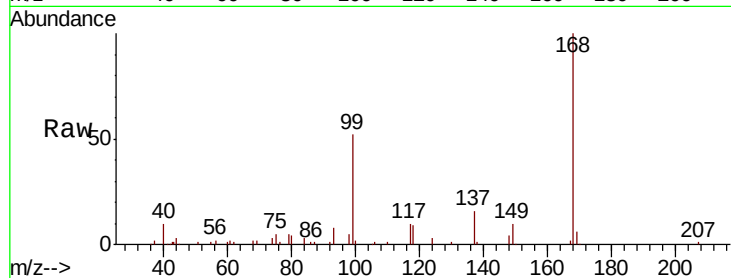
ClientSampled :

Tot Ion:168 Resp: 95210

Ion Ratio Lower Upper

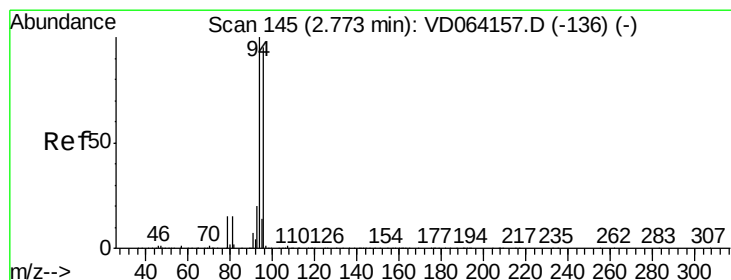
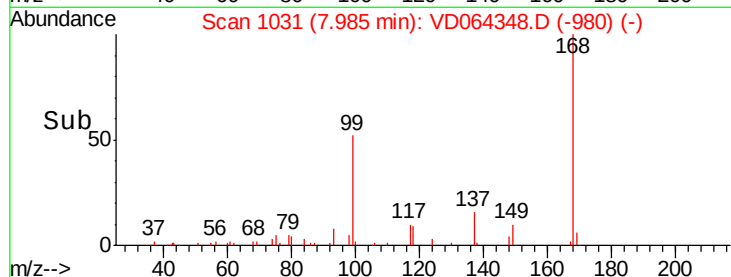
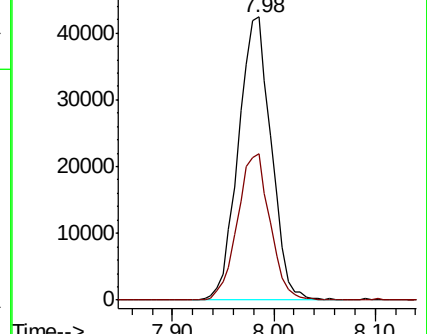
168 100

99 51.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 2.455 ug/l

RT: 2.80 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD064348.D

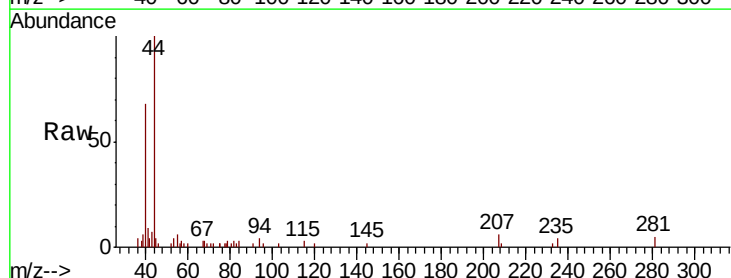
Acq: 22 Nov 2019 15:34

Tgt Ion: 94 Resp: 1404

Ion Ratio Lower Upper

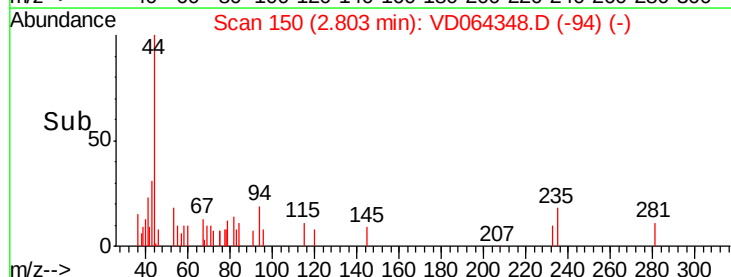
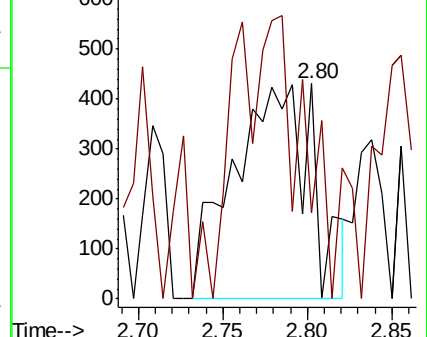
94 100

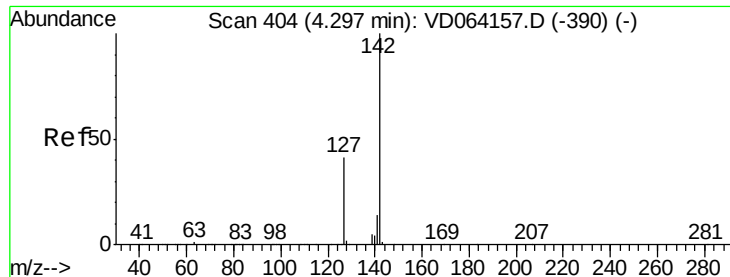
96 39.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

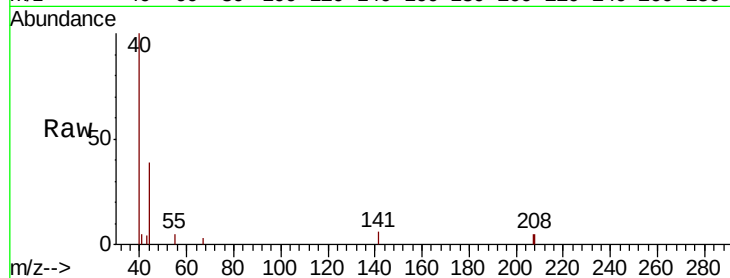




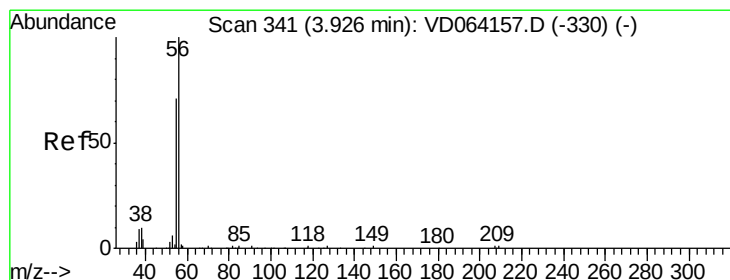
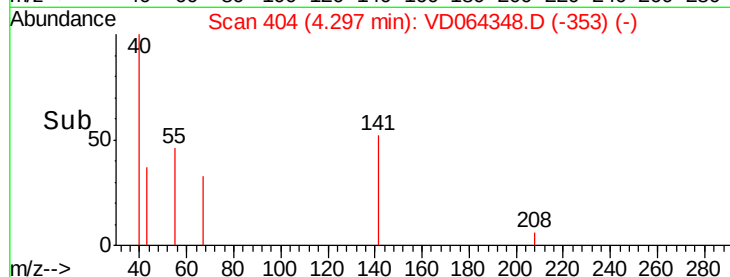
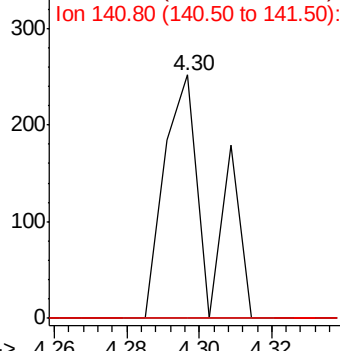
#10
Methvl Iodide
Concen: 2.249 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.00 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.2 16.8#

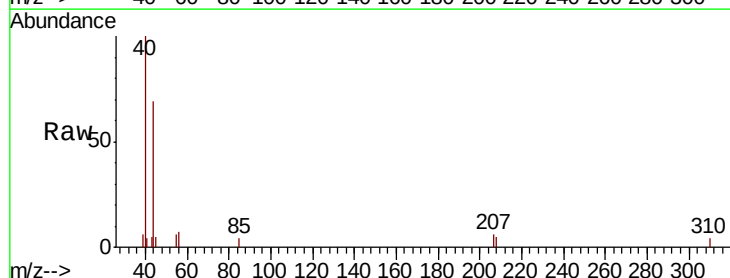


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

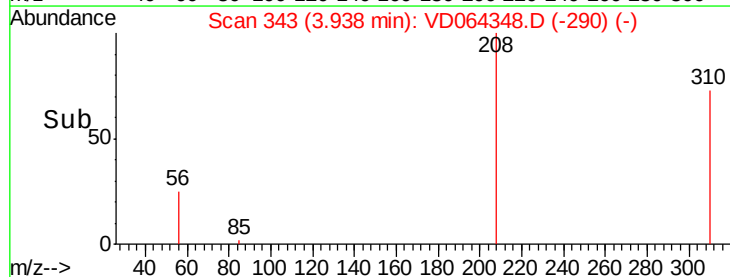
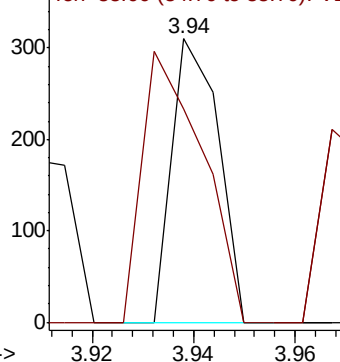


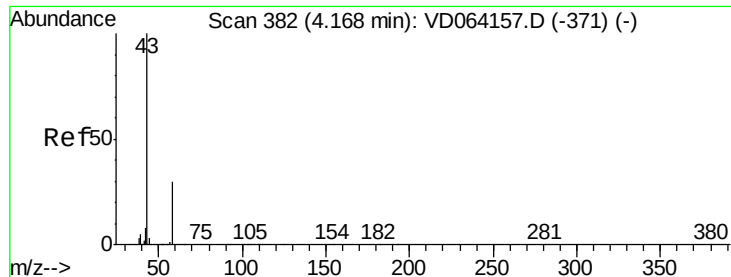
#13
Acrolein
Concen: 4.279 ug/l
RT: 3.94 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 123.2 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC

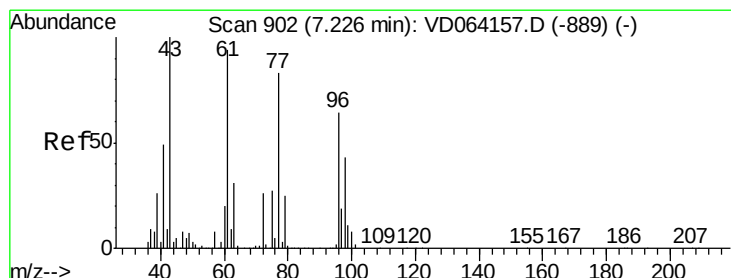
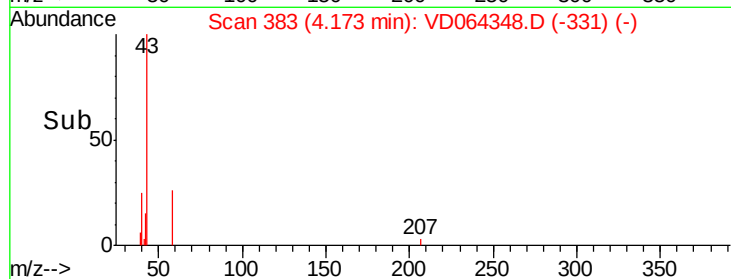
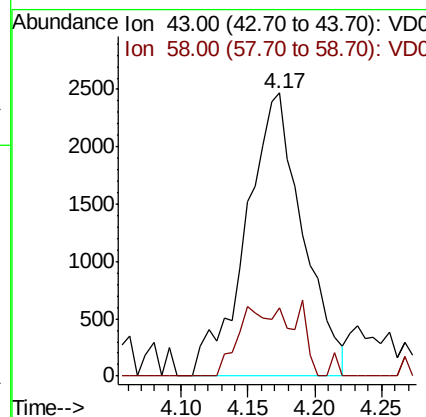
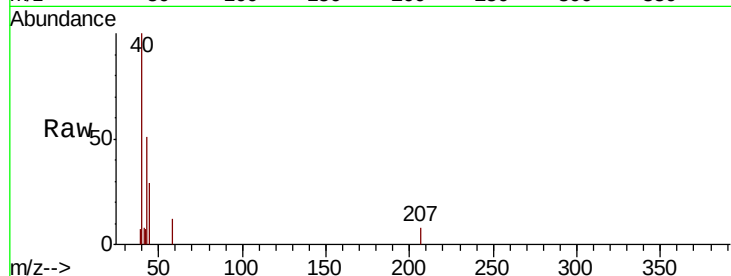




#16
Acetone
Concen: 39.314 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

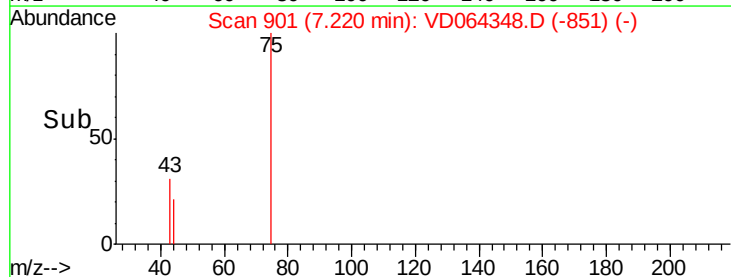
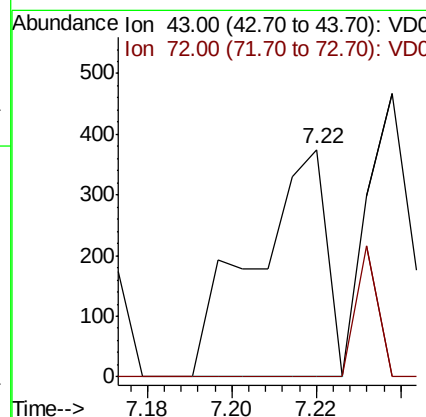
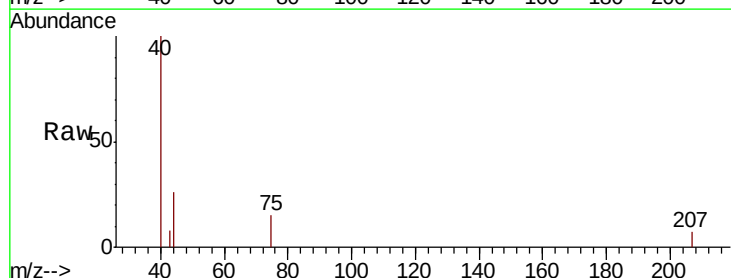
Instrument :
MSVOA_D
ClientSampled :

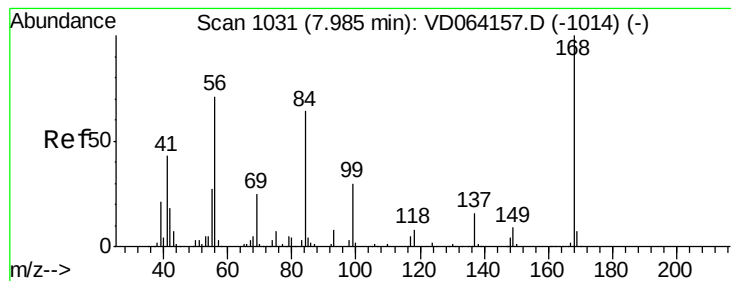
Tot Ion: 43 Resp: 7293
Ion Ratio Lower Upper
43 100
58 24.1 24.1 36.1



#25
2-Butanone
Concen: 1.844 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#





#31

Cyclohexane

Concen: 1.521 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064348.D

Acq: 22 Nov 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

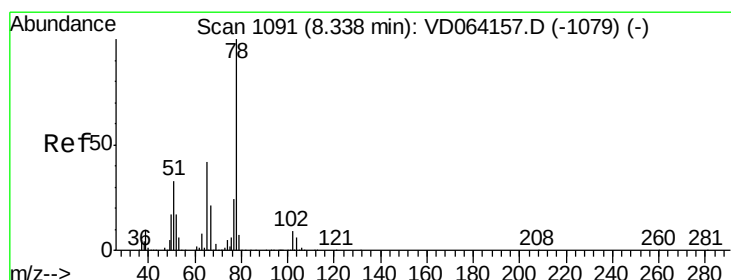
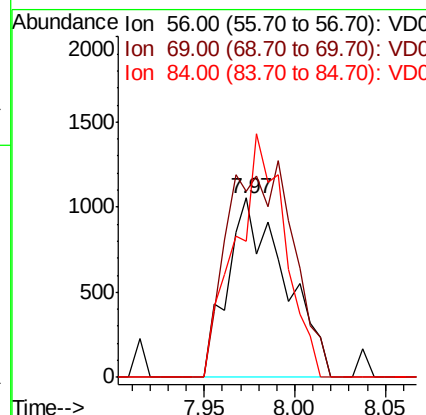
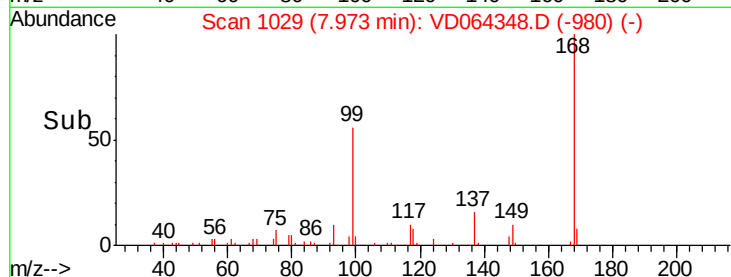
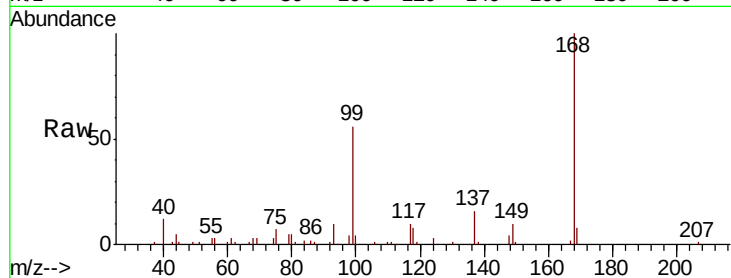
Tot Ion: 56 Resp: 2337

Ion Ratio Lower Upper

56 100

69 103.4 28.2 42.4#

84 76.0 71.8 107.6



#33

1,2-Dichloroethane-d4

Concen: 98.310 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064348.D

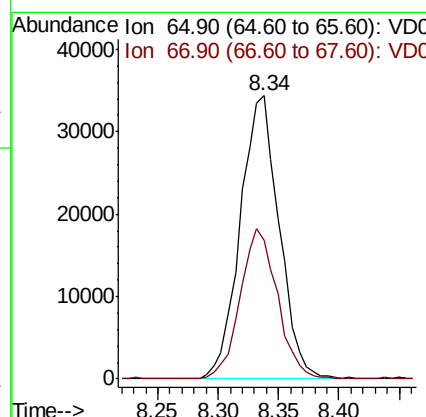
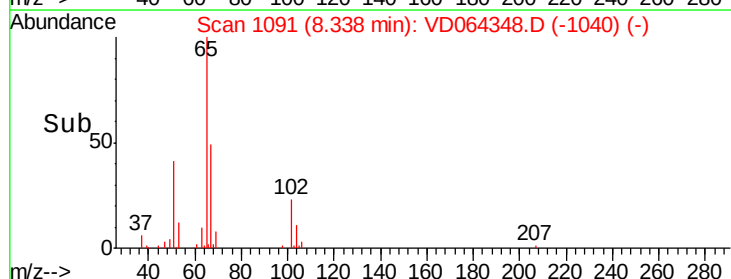
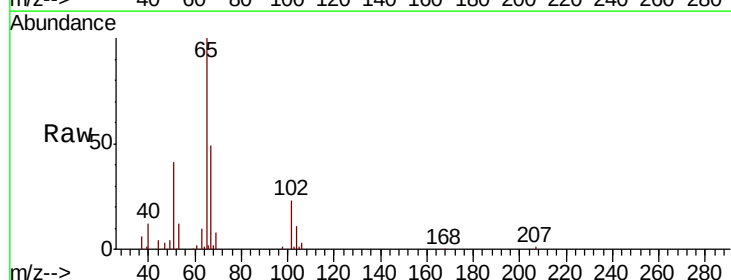
Acq: 22 Nov 2019 15:34

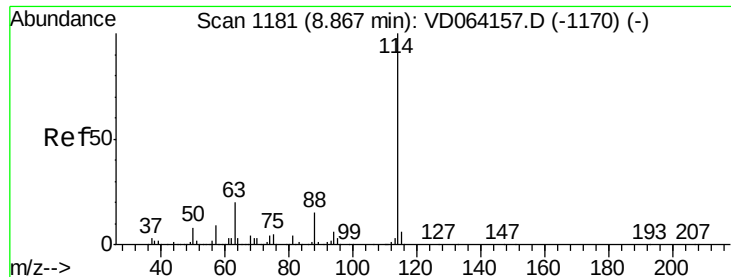
Tgt Ion: 65 Resp: 76981

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4

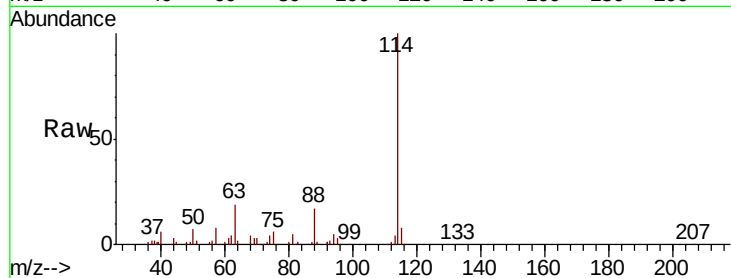




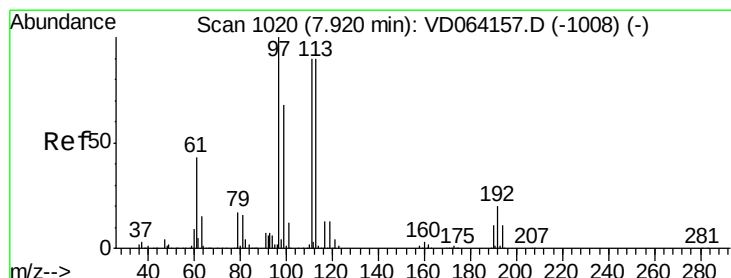
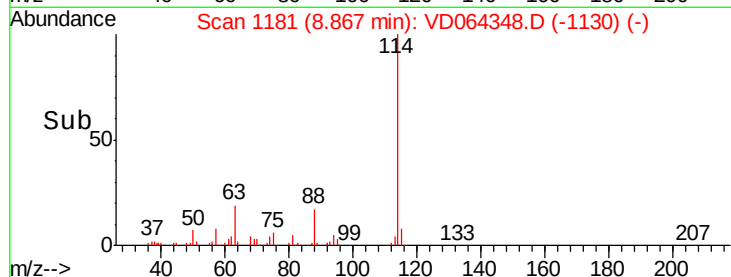
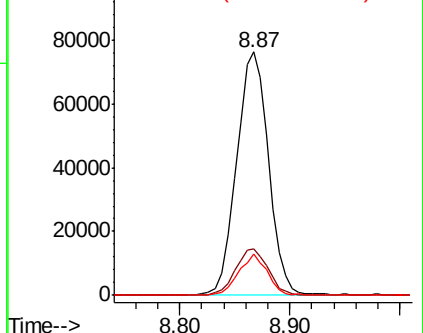
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.0
88	16.9	0.0	30.2

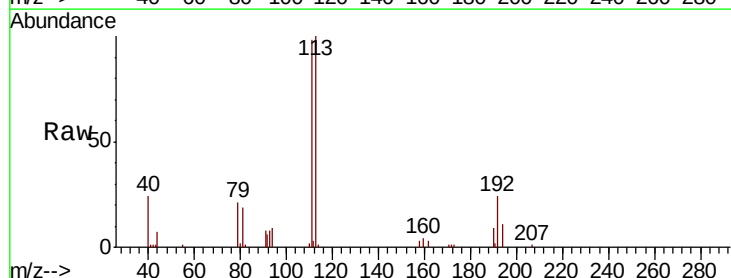


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

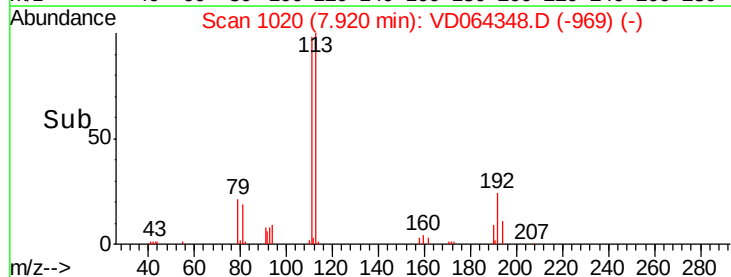
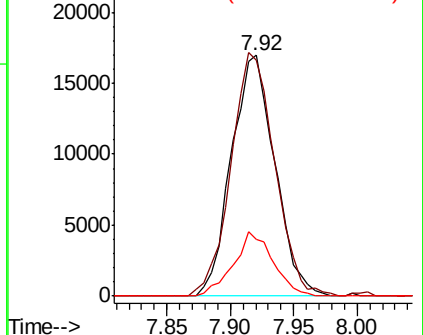


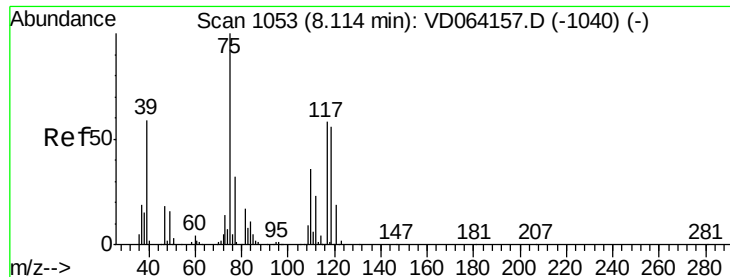
#35
 Dibromofluoromethane
 Concen: 45.351 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	24.3	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

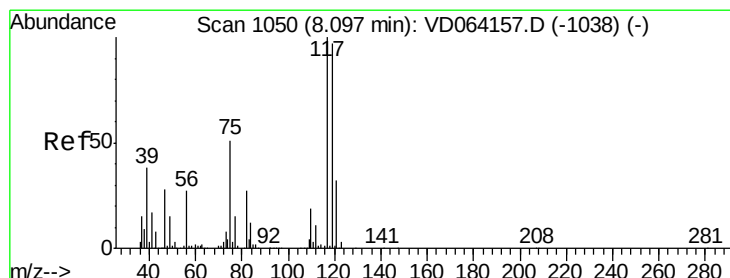
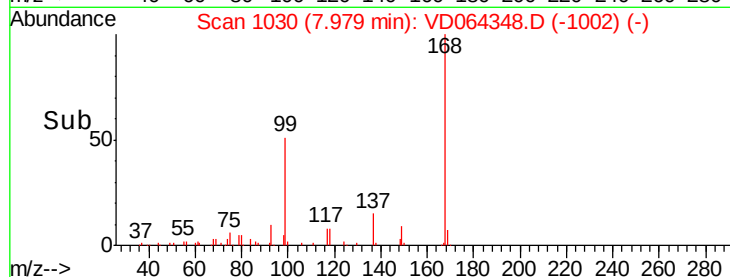
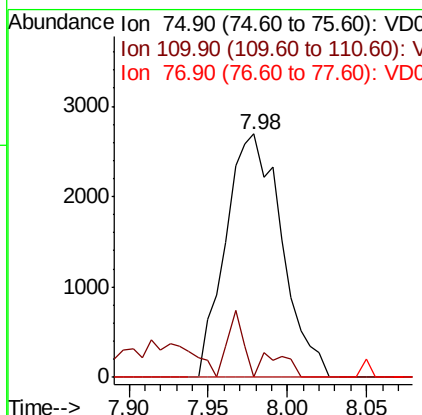
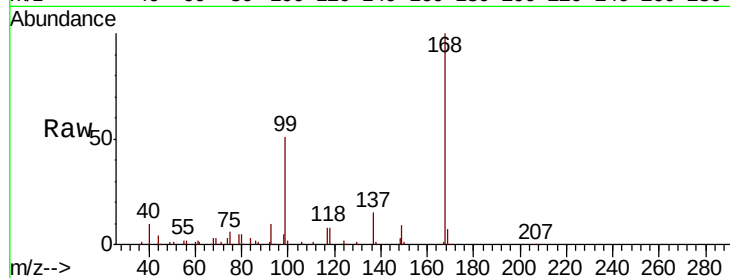




#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

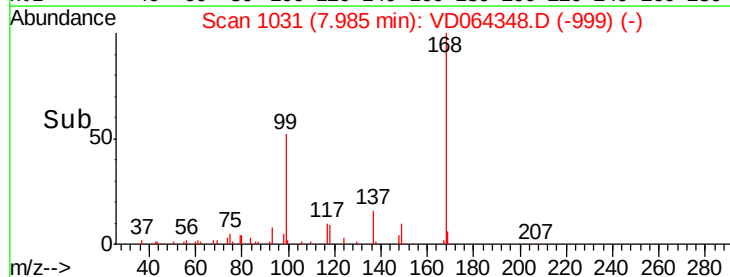
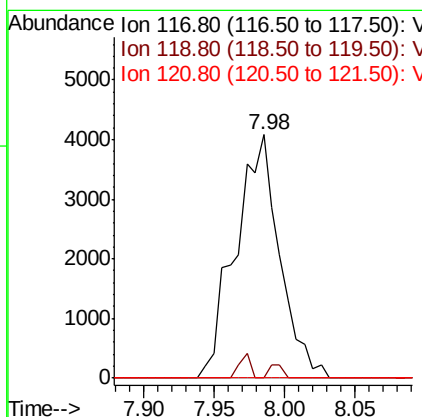
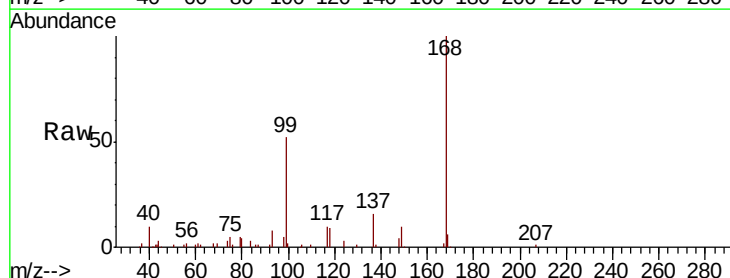
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 MSVOA_D
 ClientSampleId :

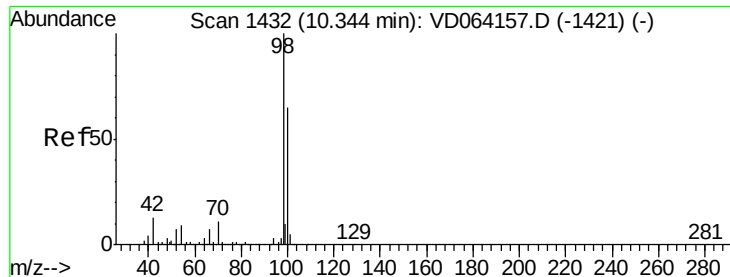
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.8	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.835 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.2	115.8#
121	0.0	25.5	38.3#

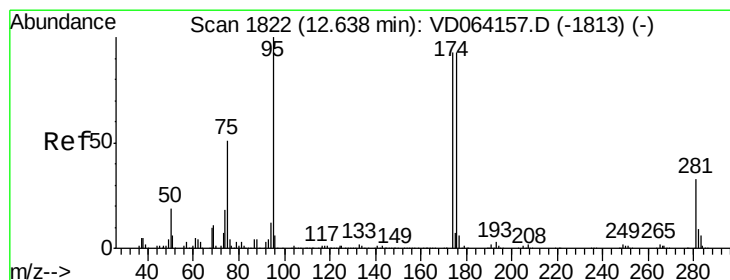
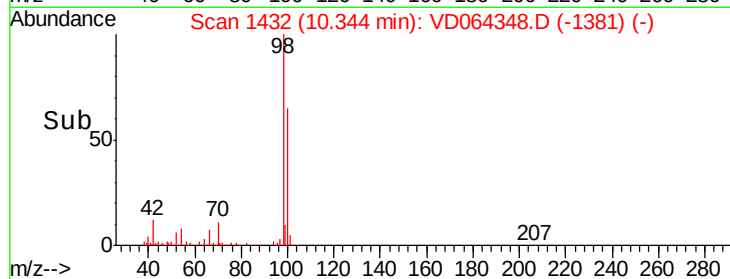
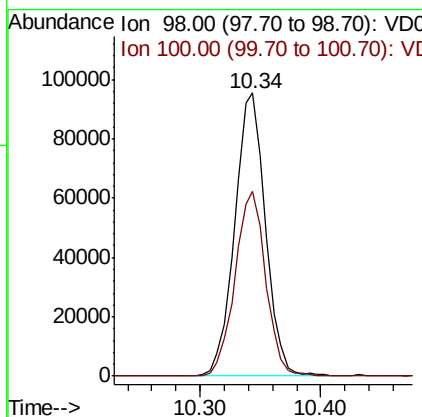
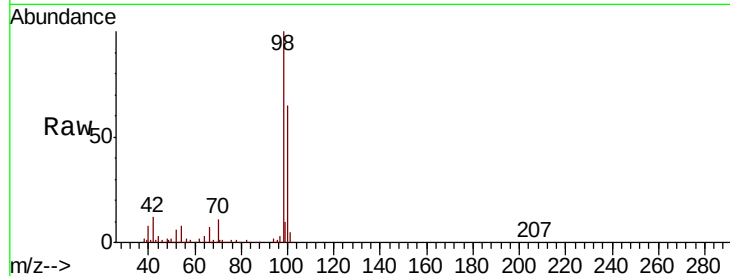




#50
Toluene-d8
Concen: 50.520 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

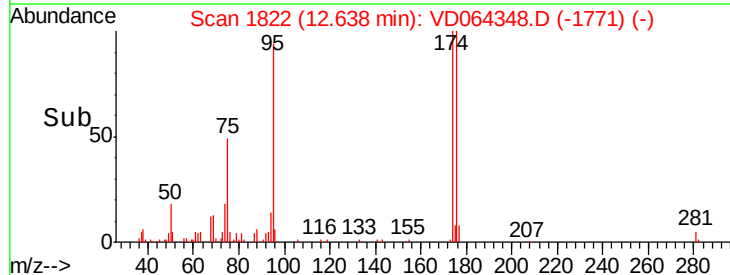
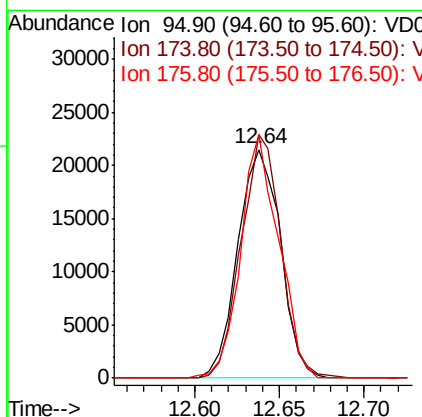
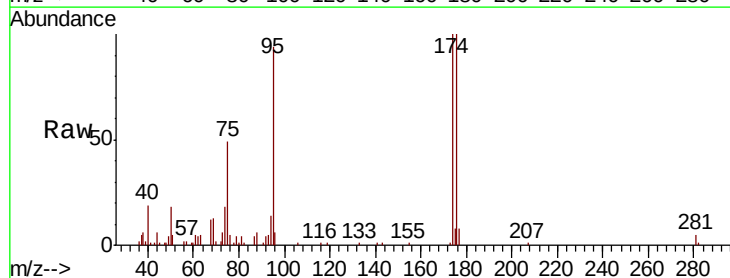
Instrument :
MSVOA_D
ClientSampleId :

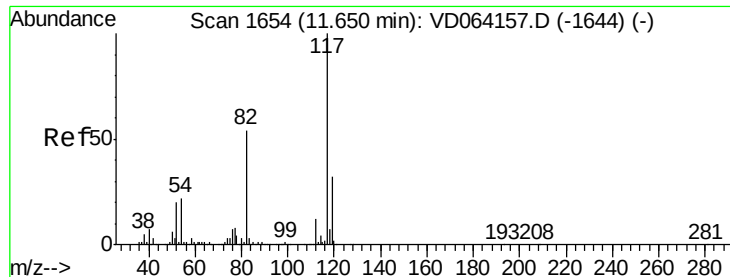
Tot Ion: 98 Resp: 169690
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 32.455 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Tgt Ion: 95 Resp: 37752
Ion Ratio Lower Upper
95 100
174 98.9 0.0 183.6
176 95.2 0.0 180.2

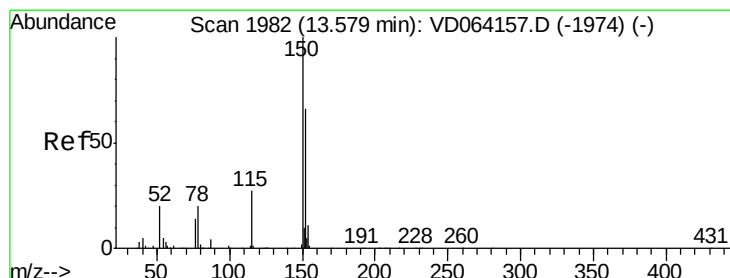
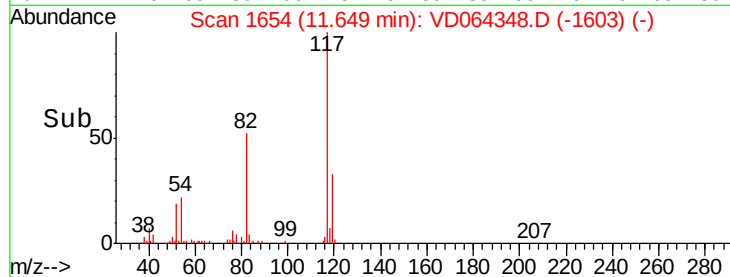
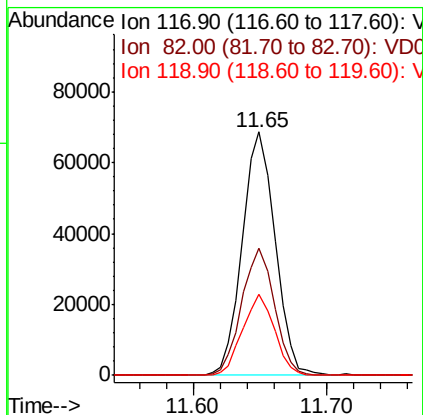
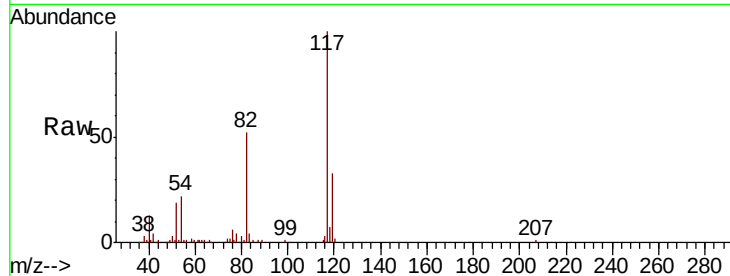




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

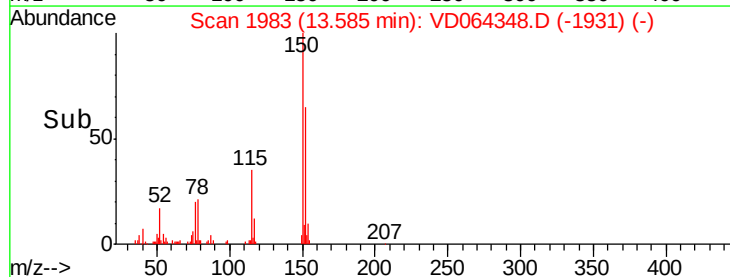
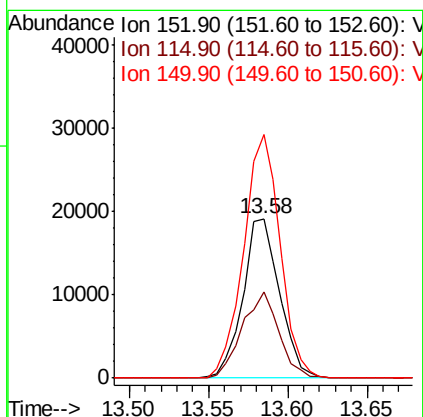
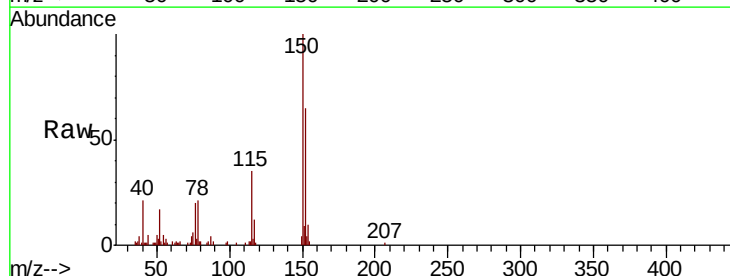
Instrument :
MSVOA_D
ClientSampled :

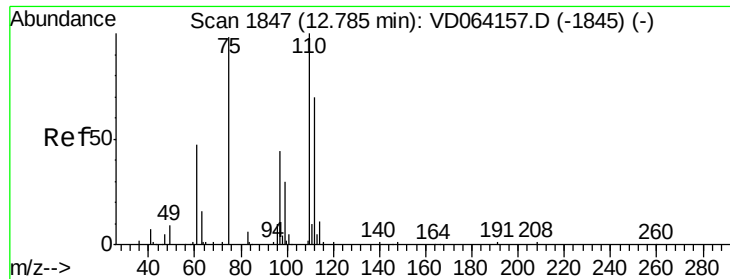
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.8	64.2
119	33.1	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.4	82.2
150	151.7	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 78.034 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064348.D

Acq: 22 Nov 2019 15:34

Instrument :

MSVOA_D

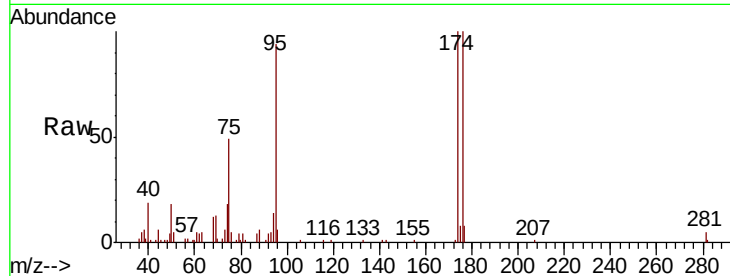
ClientSampleId :

Tot Ion: 75 Resp: 19317

Ion Ratio Lower Upper

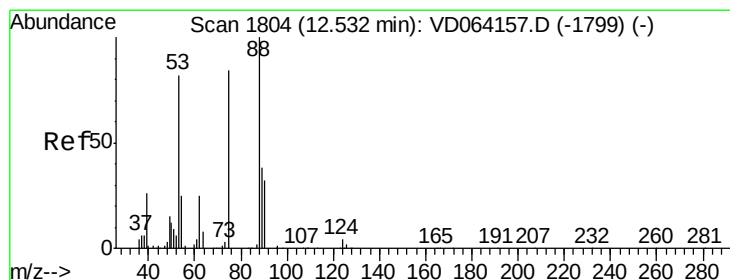
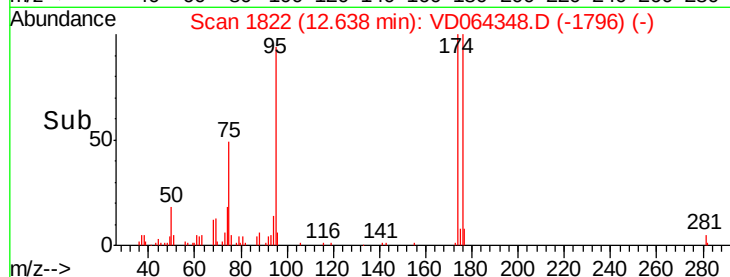
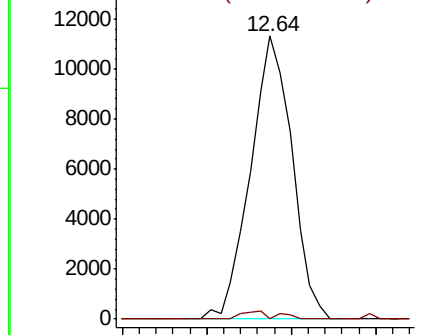
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 155.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064348.D

Acq: 22 Nov 2019 15:34

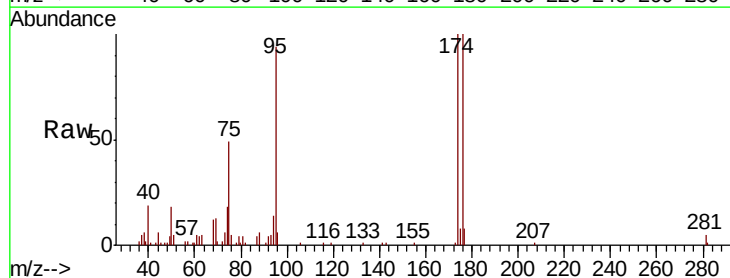
Tgt Ion: 75 Resp: 19317

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

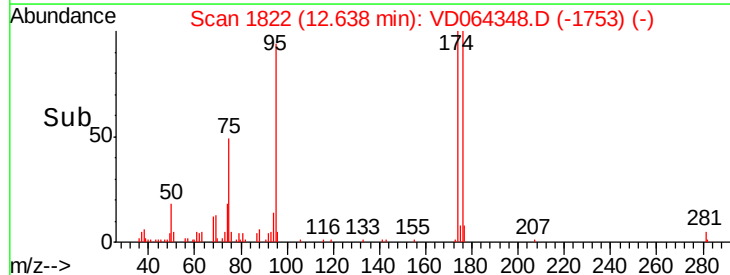
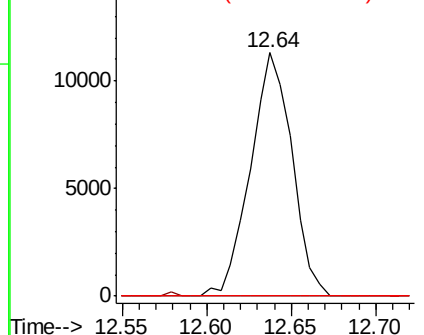
89 0.0 36.6 55.0#

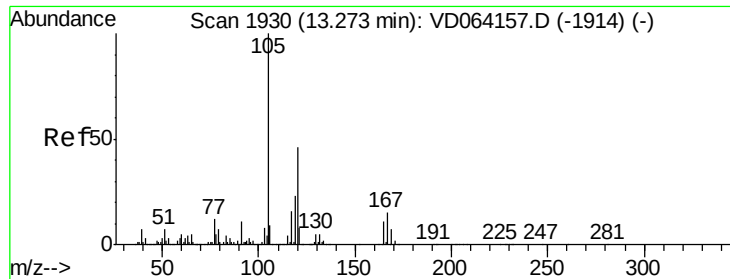


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

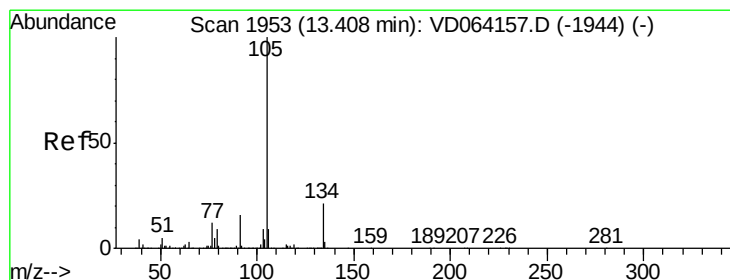
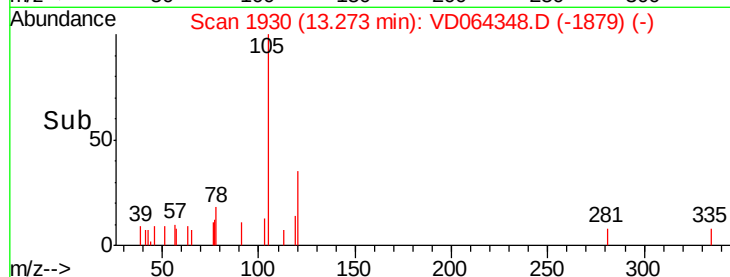
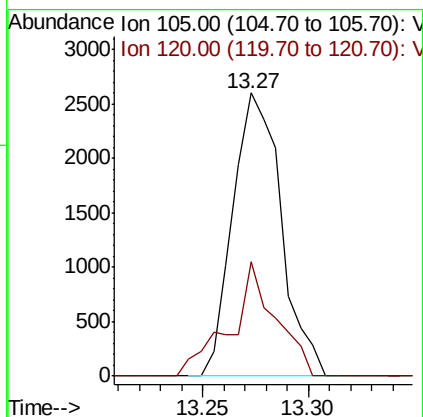
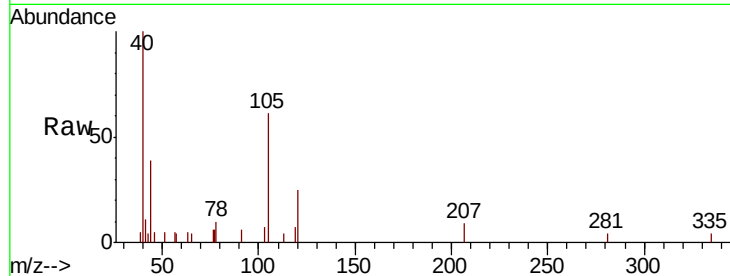




#84
 1,2,4-Trimethylbenzene
 Concen: 2.257 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

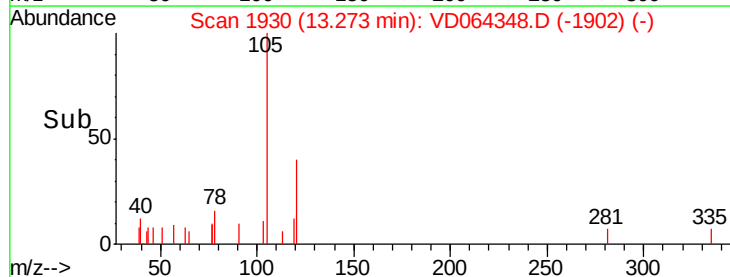
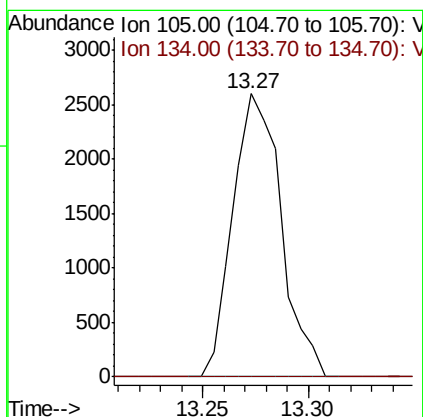
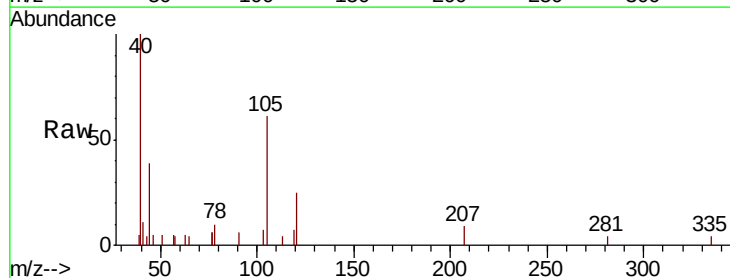
Instrument :
 MSVOA_D
 ClientSampleId :

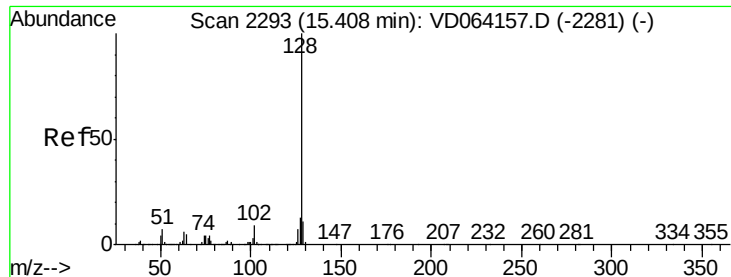
Tot Ion:105 Resp: 4131
 Ion Ratio Lower Upper
 105 100
 120 38.0 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 1.882 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.14 min
 Lab File: VD064348.D
 Acq: 22 Nov 2019 15:34

Tgt Ion:105 Resp: 4131
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#

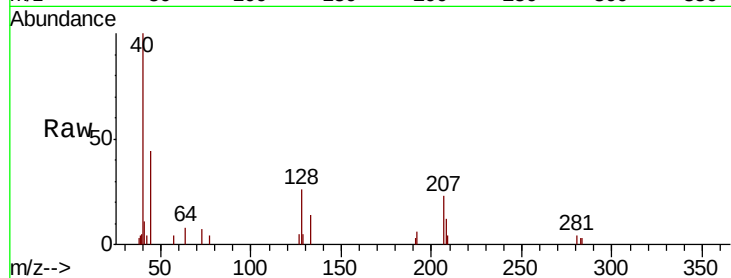




#95
Naphthalene
Concen: 2.025 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064348.D
Acq: 22 Nov 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.5	15.7
129	3.7	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

