

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064366.D
 Acq On : 25 Nov 2019 17:56
 Operator : VA/SY
 Sample : K5999-01RE
 Misc : 3.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:37:07 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	725794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1086915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	931141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	404438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	295988	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.92	113	328030	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.34	98	1279481	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.64	95	373130	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

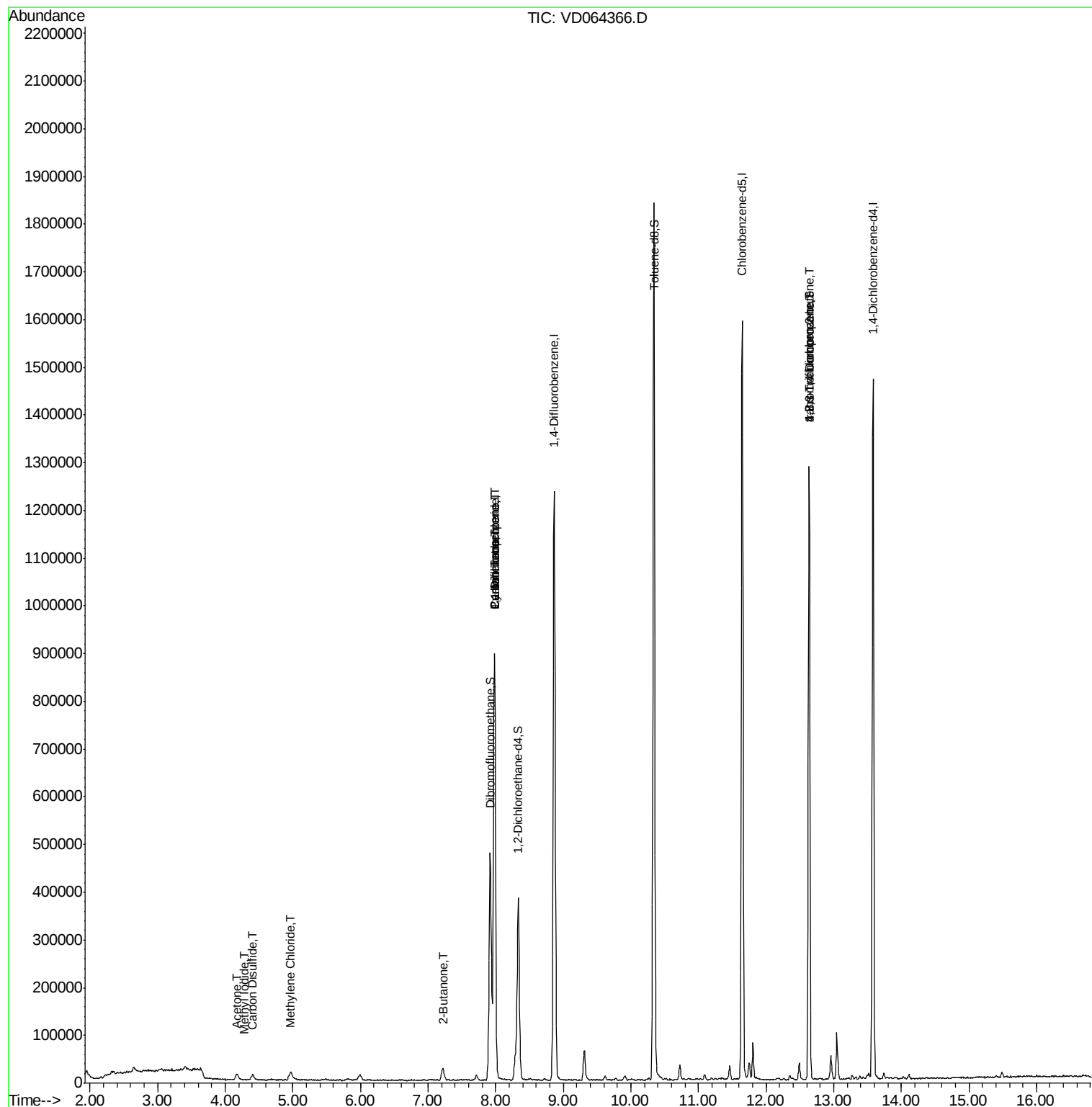
						Qvalue
10) Methyl Iodide	4.28	142	193	2.057	ug/l #	41
16) Acetone	4.17	43	22909	16.200	ug/l	94
17) Carbon Disulfide	4.40	76	20630	1.086	ug/l	96
20) Methylene Chloride	4.97	84	12561	1.758	ug/l #	72
25) 2-Butanone	7.23	43	6489	3.552	ug/l	96
31) Cyclohexane	7.98	56	14111	1.204	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	48621	4.847	ug/l #	50
38) Carbon Tetrachloride	7.98	117	65616	6.113	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	197255	60.552	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	197255	120.280	ug/l #	10

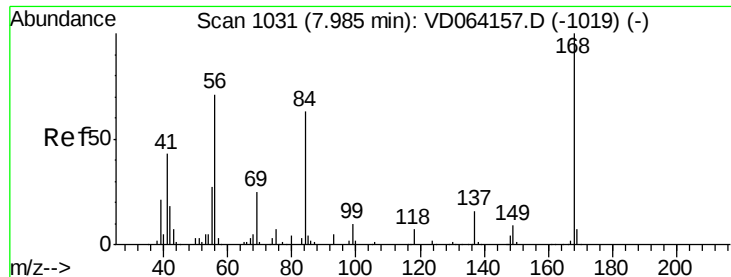
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064366.D

Acq: 25 Nov 2019 17:56

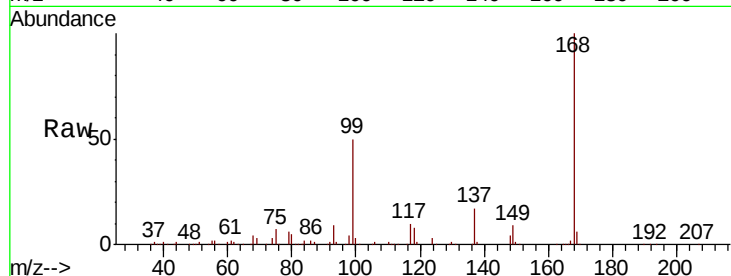
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 725794

Ion Ratio Lower Upper

168 100

99 49.8 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

300000

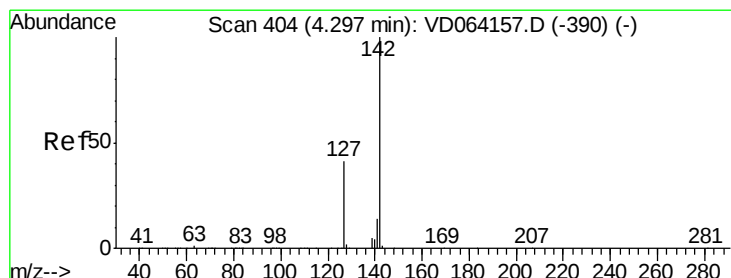
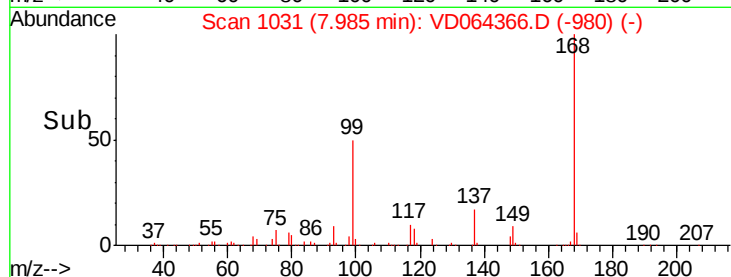
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.057 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

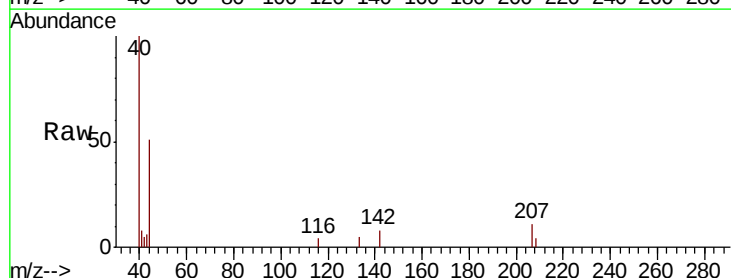
Tgt Ion:142 Resp: 193

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

4.28

400

300

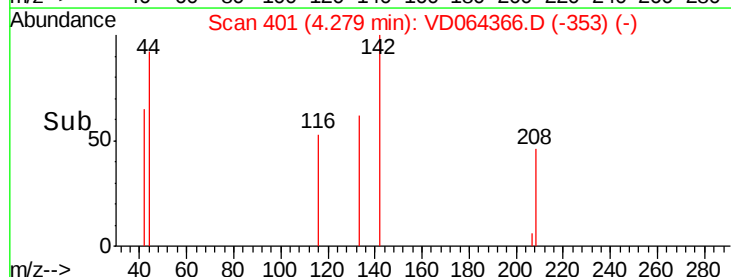
200

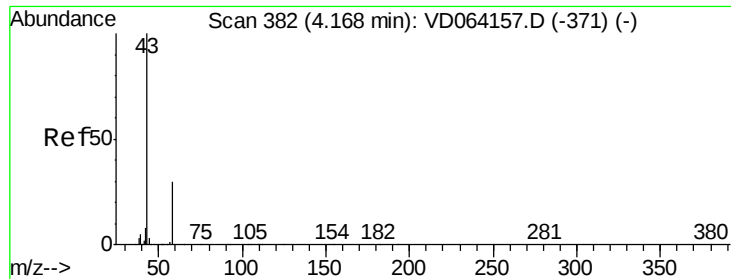
100

0

Time-->

4.26 4.28 4.30





#16

Acetone

Concen: 16.200 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

Instrument :

MSVOA_D

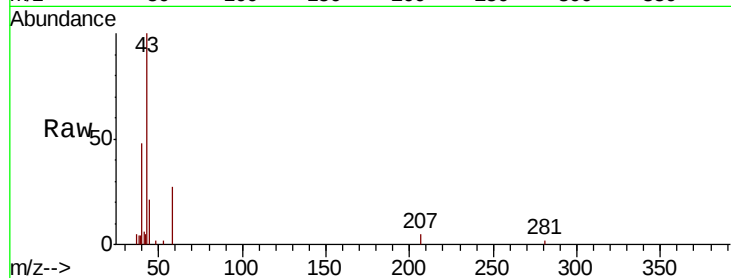
ClientSampleId :

Tot Ion: 43 Resp: 22909

Ion Ratio Lower Upper

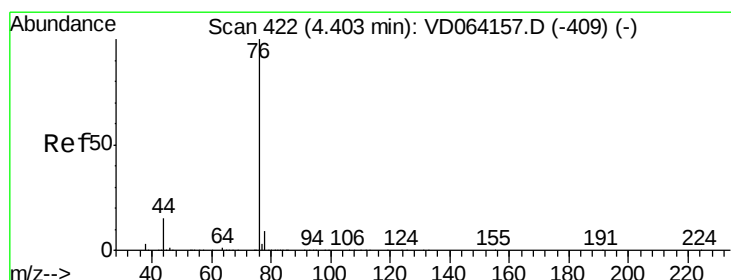
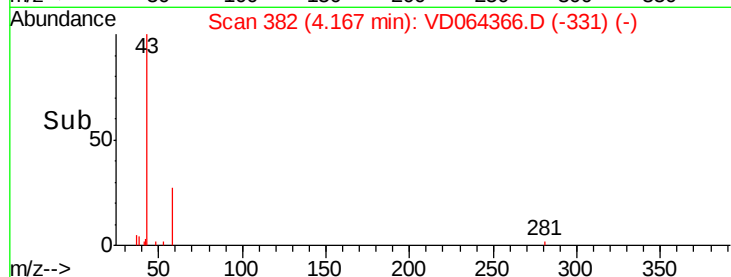
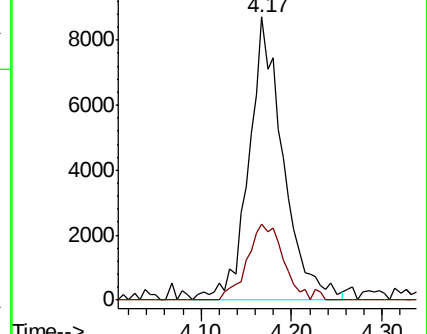
43 100

58 26.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.086 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064366.D

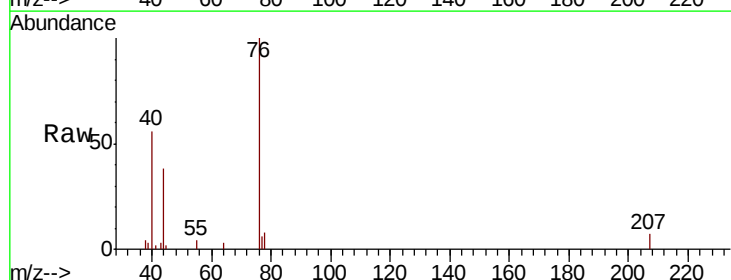
Acq: 25 Nov 2019 17:56

Tgt Ion: 76 Resp: 20630

Ion Ratio Lower Upper

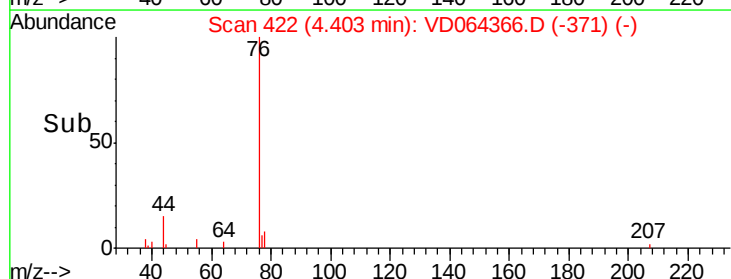
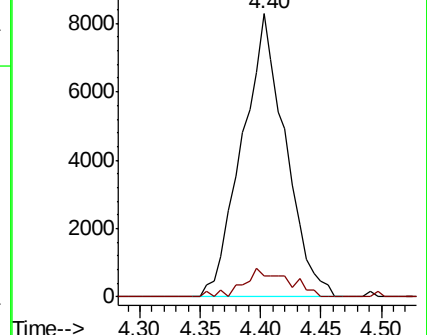
76 100

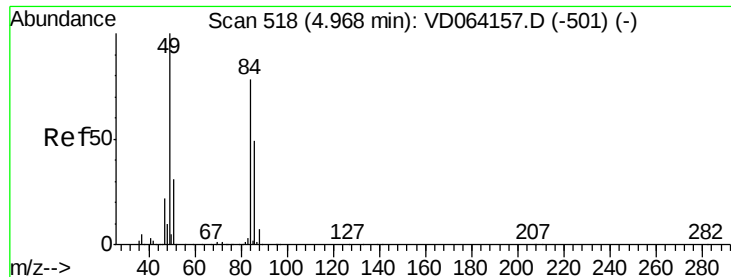
78 7.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

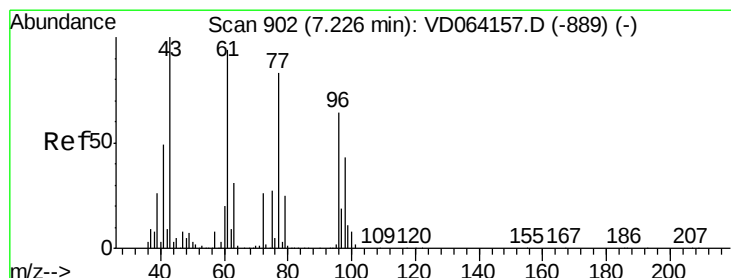
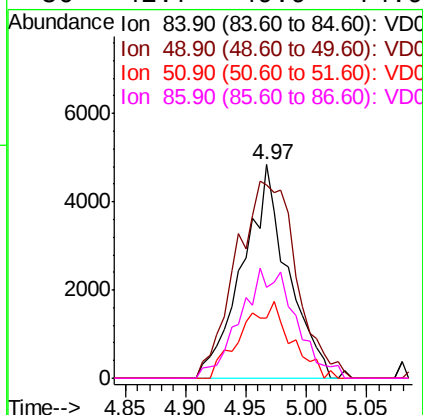
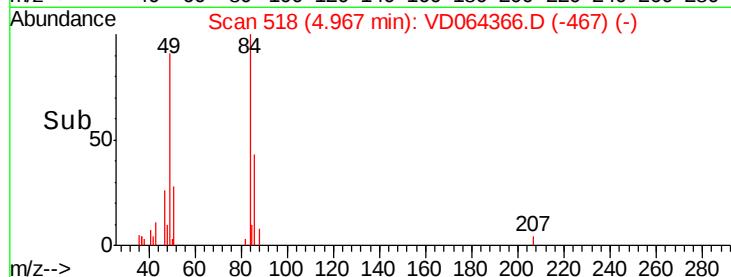
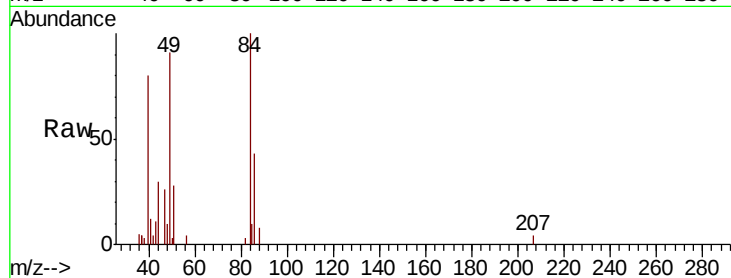




#20
Methvlene Chloride
Concen: 1.758 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

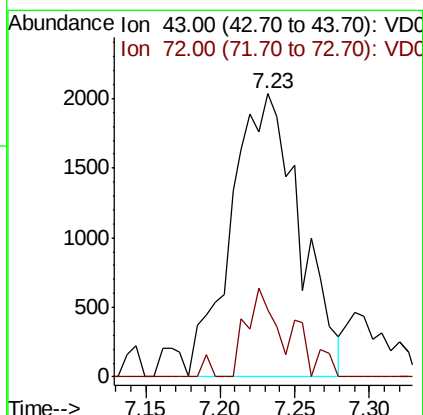
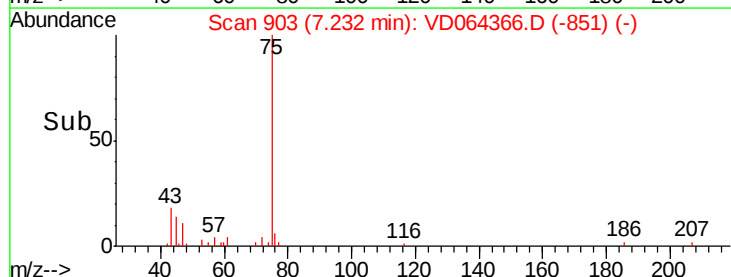
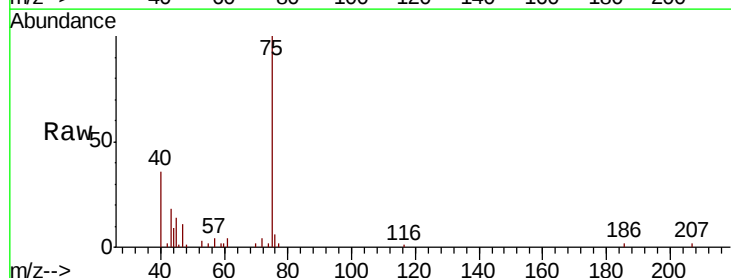
Instrument :
MSVOA_D
ClientSampleId :

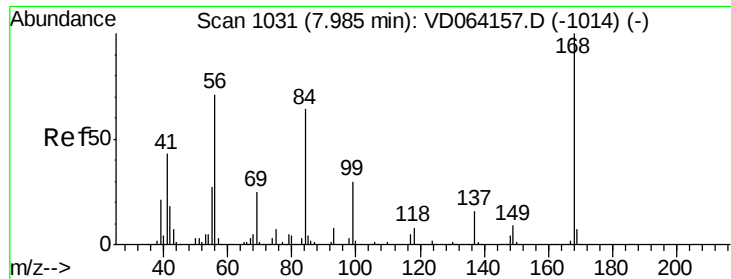
Tot Ion: 84 Resp: 12561
Ion Ratio Lower Upper
84 100
49 90.7 102.1 153.1#
51 28.0 32.2 48.2#
86 42.7 49.9 74.9#



#25
2-Butanone
Concen: 3.552 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

Tgt Ion: 43 Resp: 6489
Ion Ratio Lower Upper
43 100
72 23.6 20.6 30.8

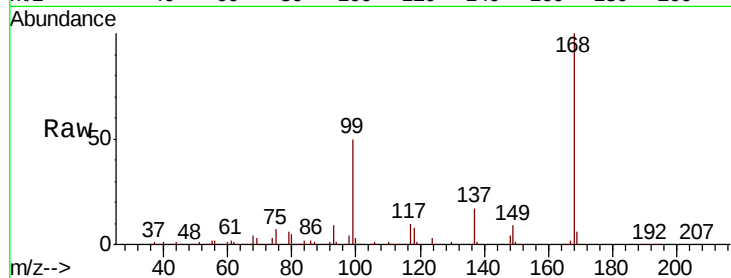




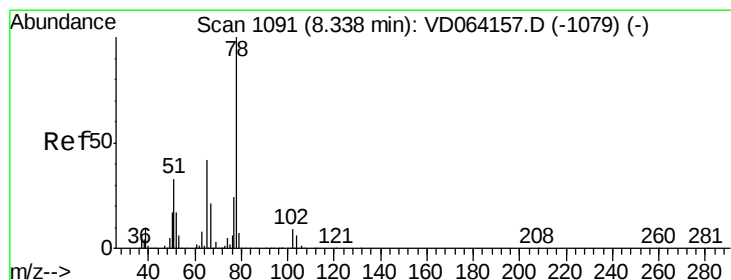
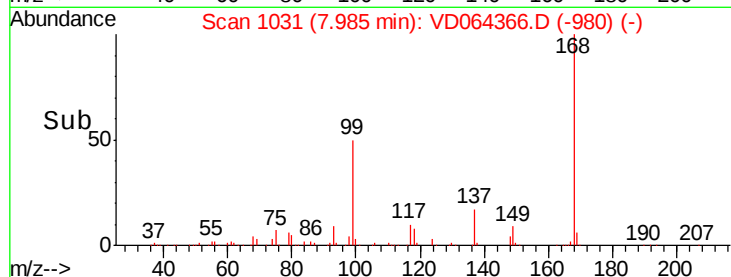
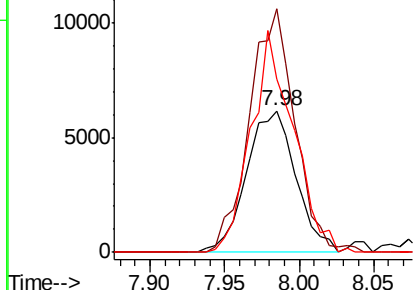
#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 14111
Ion Ratio Lower Upper
56 100
69 171.7 28.2 42.4#
84 121.7 71.8 107.6#

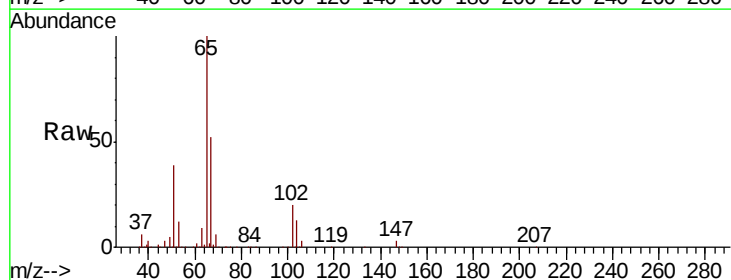


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

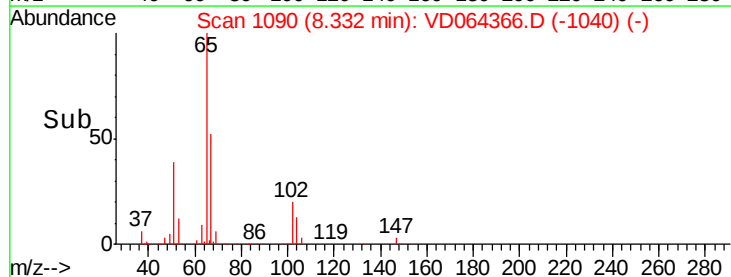
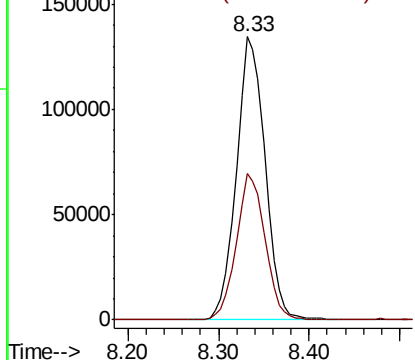


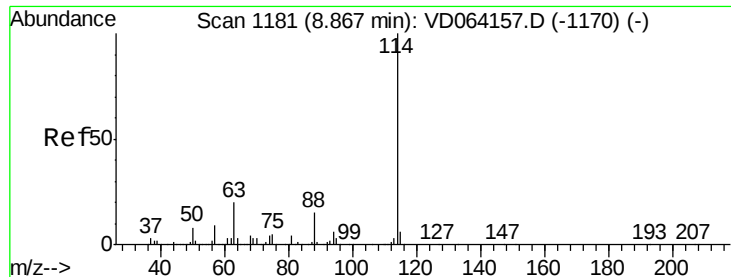
#33
1,2-Dichloroethane-d4
Concen: 49.586 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

Tgt Ion: 65 Resp: 295988
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4



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

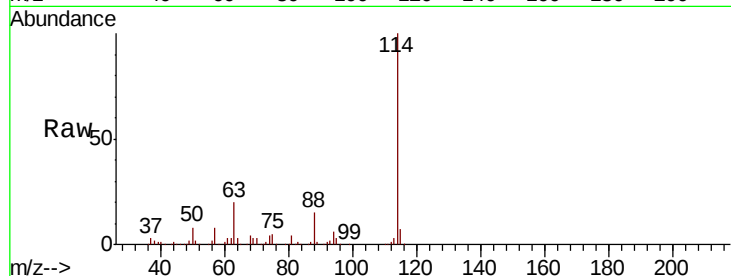




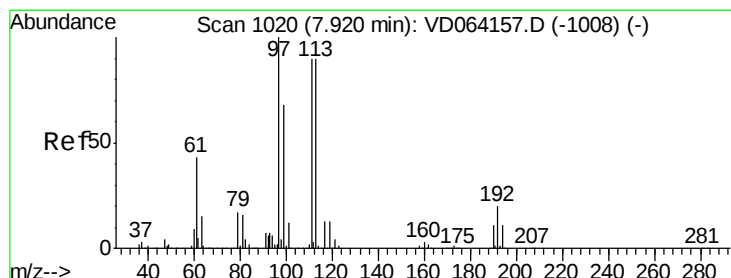
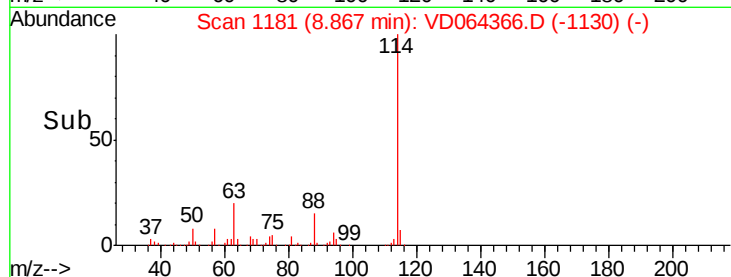
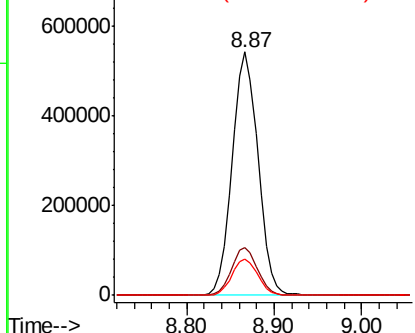
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064366.D
 Acq: 25 Nov 2019 17:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1086915
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.1 0.0 30.2

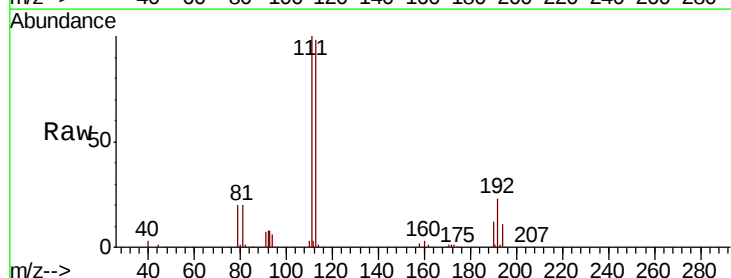


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

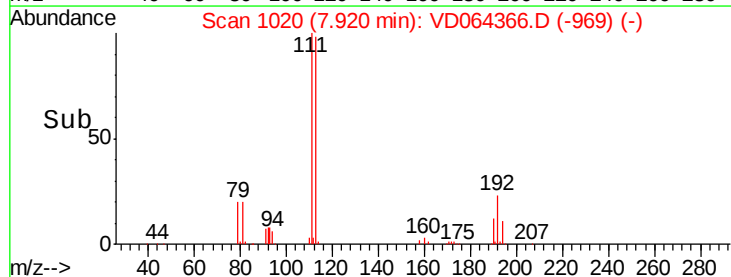
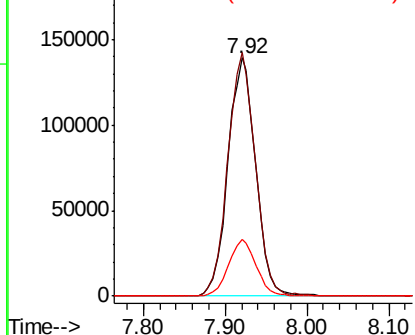


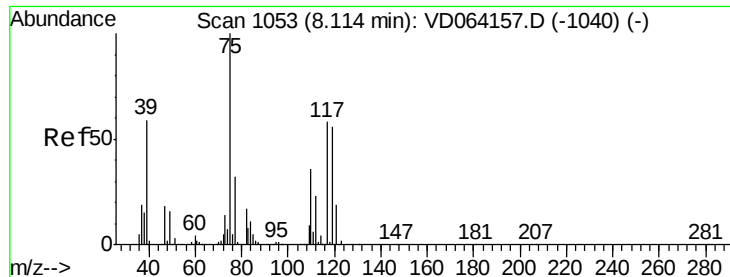
#35
 Dibromofluoromethane
 Concen: 52.577 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064366.D
 Acq: 25 Nov 2019 17:56

Tgt Ion:113 Resp: 328030
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 23.5 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: 4.847 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

Instrument :
MSVOA_D
ClientSampleId :

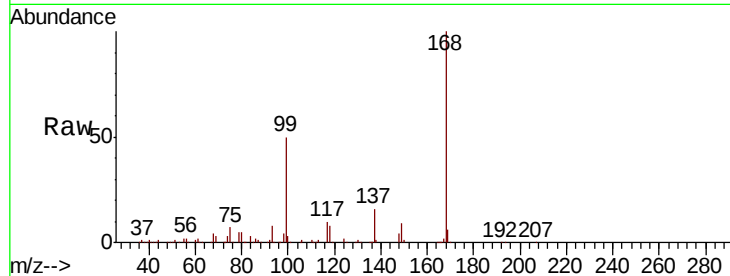
Tot Ion: 75 Resp: 48621

Ion Ratio Lower Upper

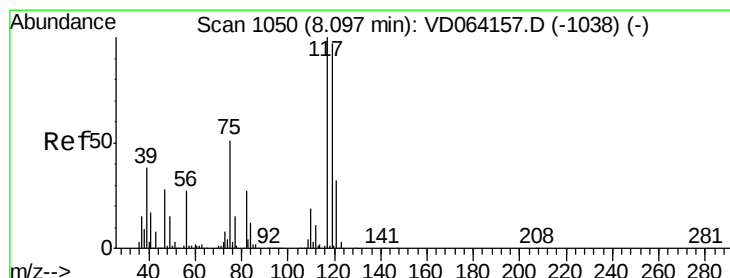
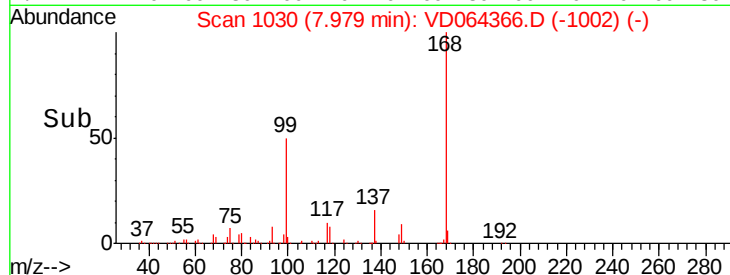
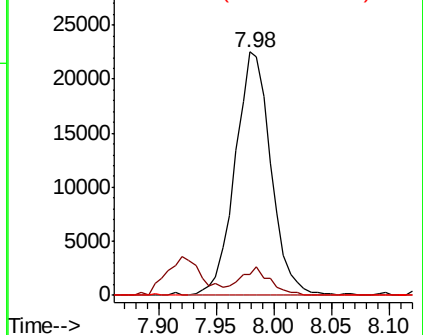
75 100

110 9.9 18.3 54.9#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VD



#38

Carbon Tetrachloride

Concen: 6.113 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

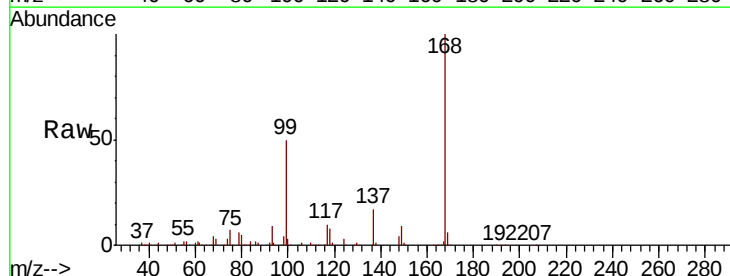
Tgt Ion: 117 Resp: 65616

Ion Ratio Lower Upper

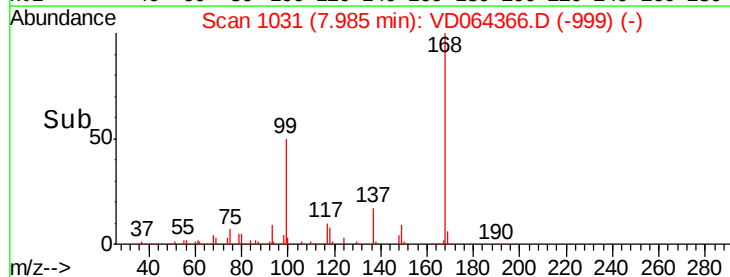
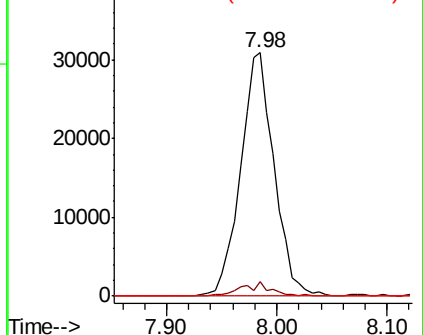
117 100

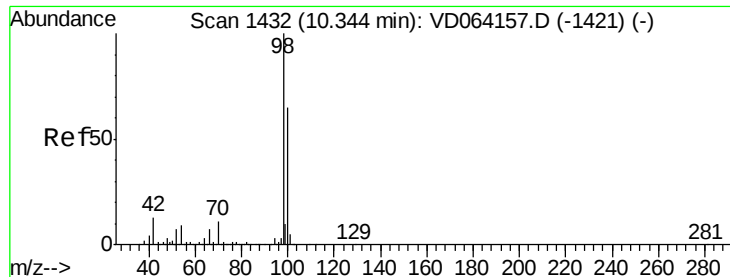
119 6.2 77.2 115.8#

121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

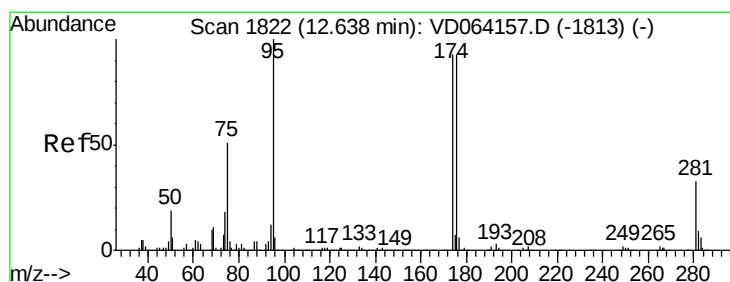
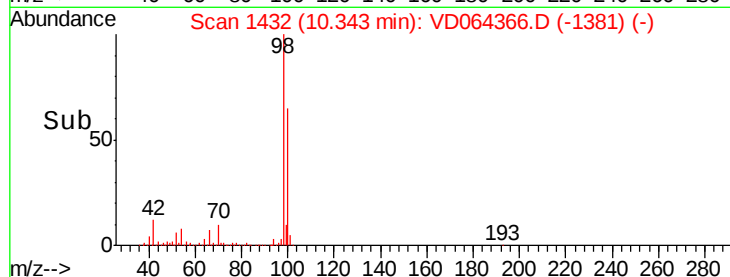
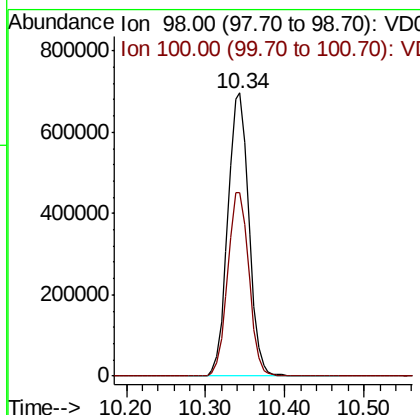
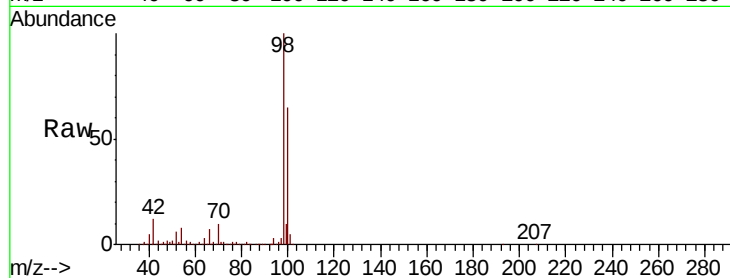




#50
Toluene-d8
Concen: 54.362 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

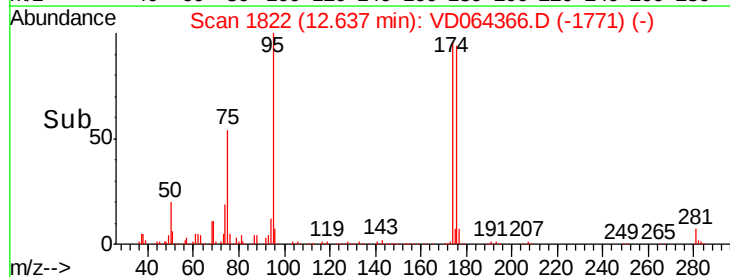
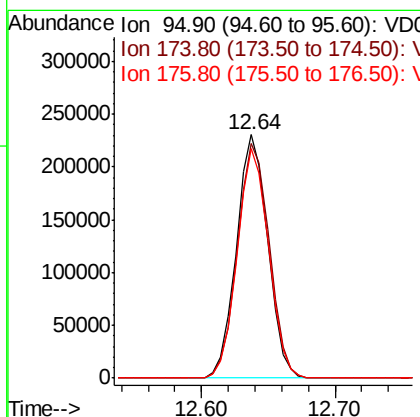
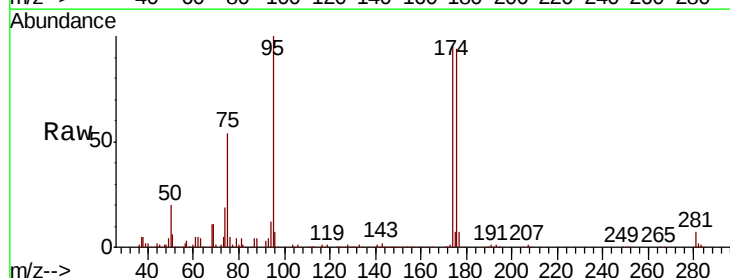
Instrument :
MSVOA_D
ClientSampled :

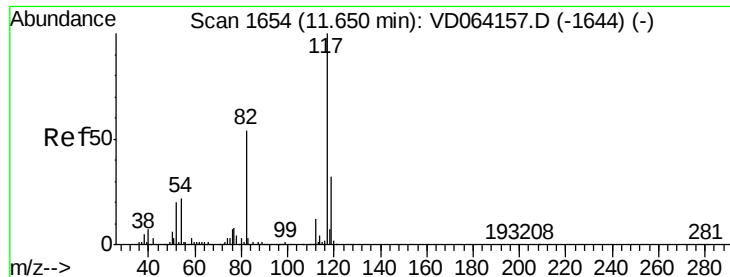
Tot Ion: 98 Resp: 1279481
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

Tgt Ion: 95 Resp: 373130
Ion Ratio Lower Upper
95 100
174 98.4 0.0 183.6
176 94.7 0.0 180.2

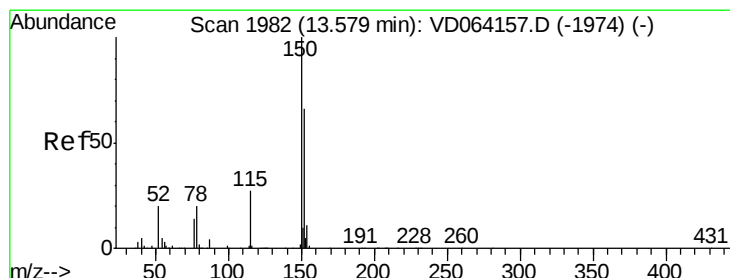
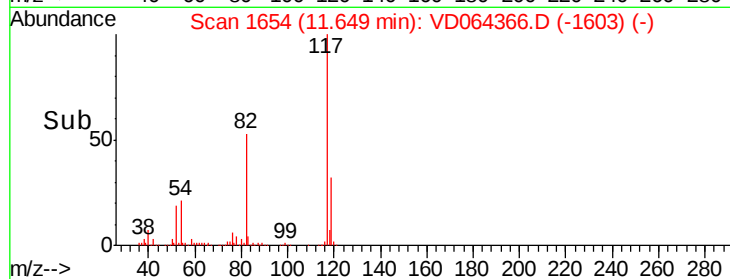
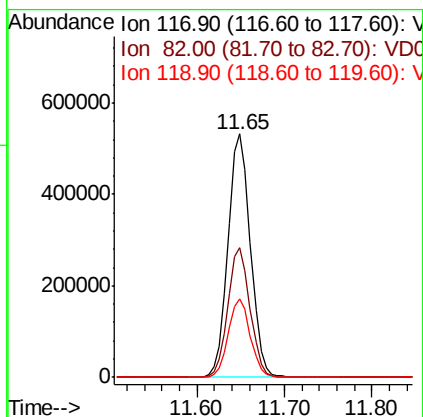
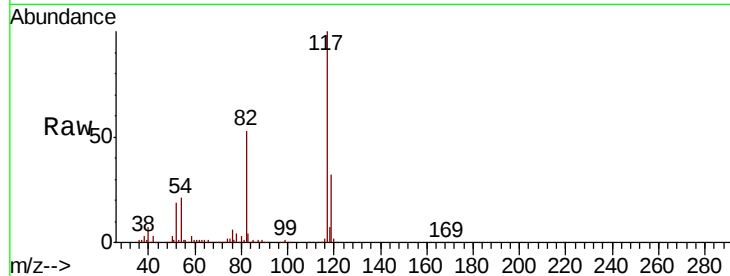




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

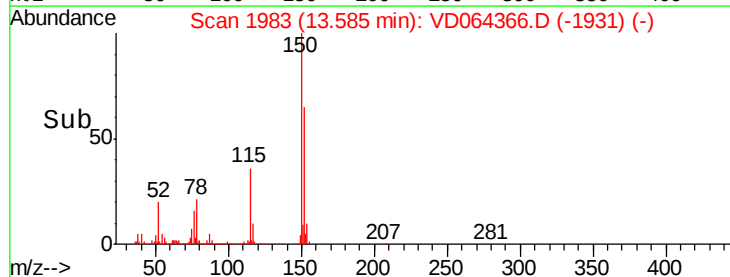
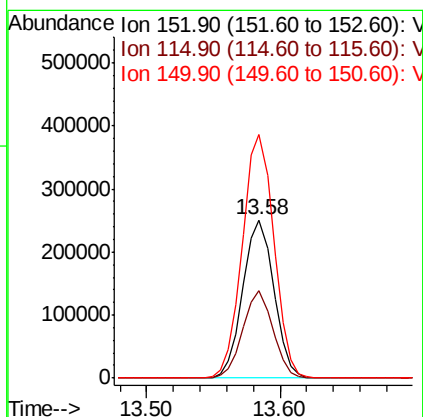
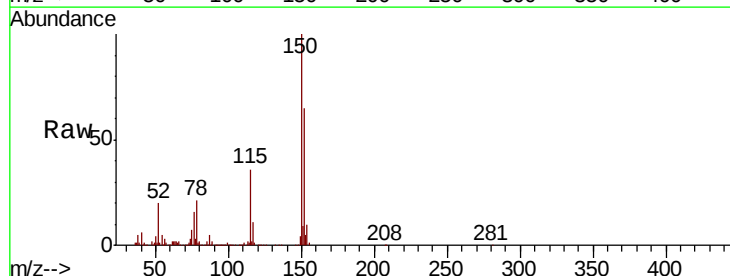
Instrument :
MSVOA_D
ClientSampleId :

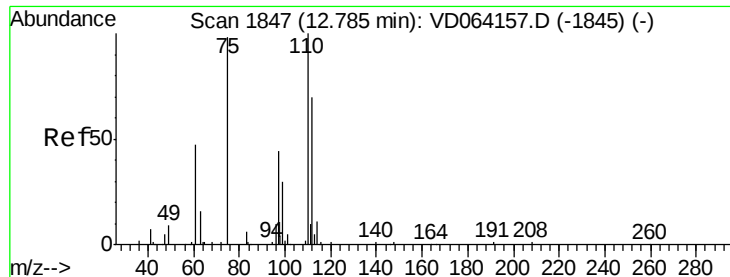
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.0	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064366.D
Acq: 25 Nov 2019 17:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.4	82.2
150	155.9	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 60.552 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

Instrument :

MSVOA_D

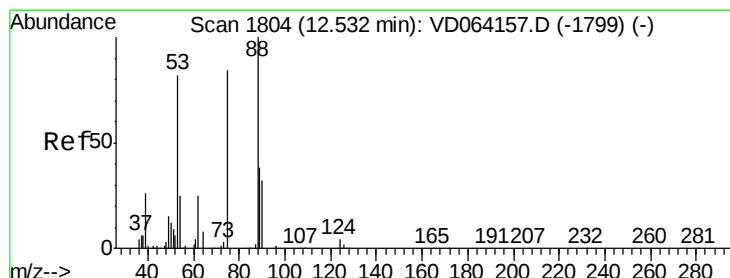
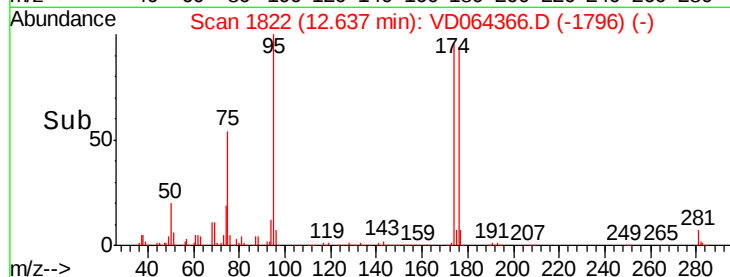
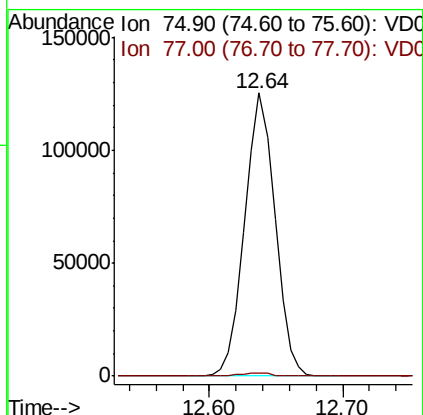
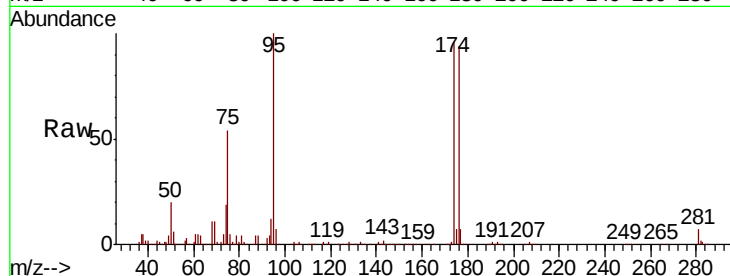
ClientSampled :

Tot Ion: 75 Resp: 197255

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.280 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064366.D

Acq: 25 Nov 2019 17:56

Tgt Ion: 75 Resp: 197255

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

89 0.1 36.6 55.0#

