

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064098.D
 Acq On : 29 Oct 2019 19:39
 Operator : VA/SY
 Sample : K5542-12RE
 Misc : 4.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:09:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	248322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	389370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114427	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
35) Dibromofluoromethane	7.93	113	126236	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.34	98	487236	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.64	95	152116	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

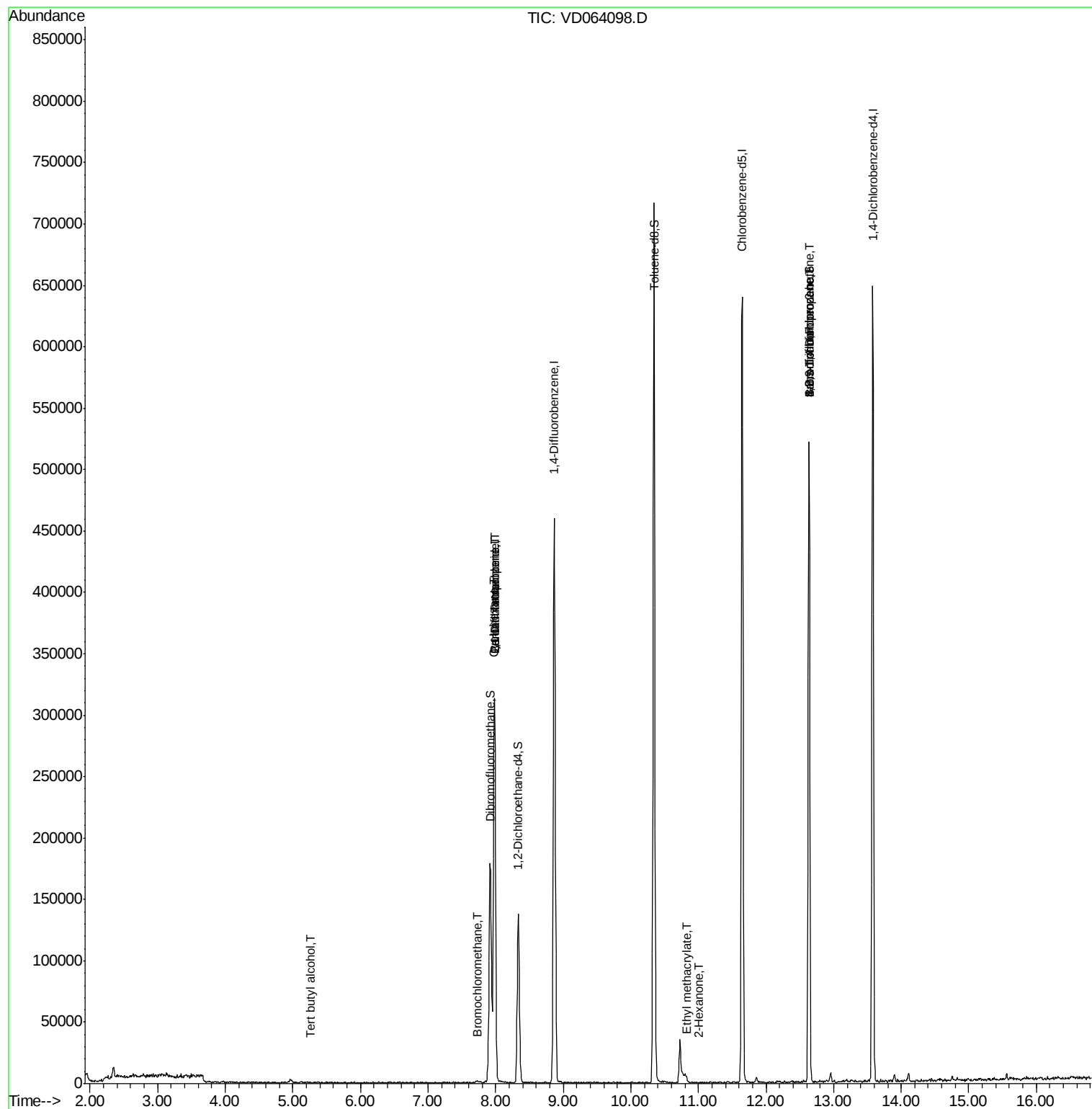
					Qvalue	
11) Tert butyl alcohol	5.25	59	64	6.740	ug/l #	71
20) Methylene Chloride	4.97	84	2018	Below Cal	#	75
28) Bromochloromethane	7.73	49	63	2.291	ug/l #	5
31) Cyclohexane	7.97	56	5288	1.440	ug/l #	54
36) 1,1-Dichloropropene	7.99	75	16269	4.288	ug/l #	48
38) Carbon Tetrachloride	7.99	117	24075	5.816	ug/l #	18
56) Ethyl methacrylate	10.84	69	66	3.044	ug/l #	29
59) 2-Hexanone	11.00	43	129	9.137	ug/l #	22
71) Bromoform	12.64	173	1825	1.135	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	82326	69.841	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	82326	142.633	ug/l #	15

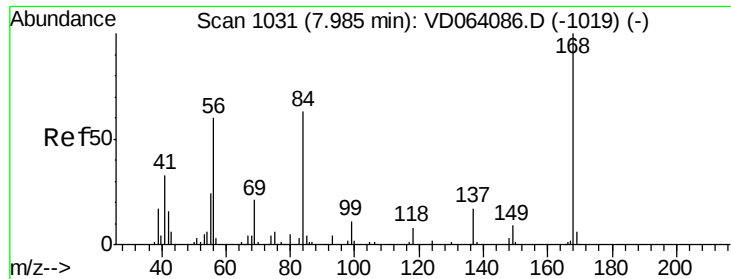
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102919\
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Quant Time: Oct 30 08:09:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064098.D

Acq: 29 Oct 2019 19:39

Instrument :

MSVOA_D

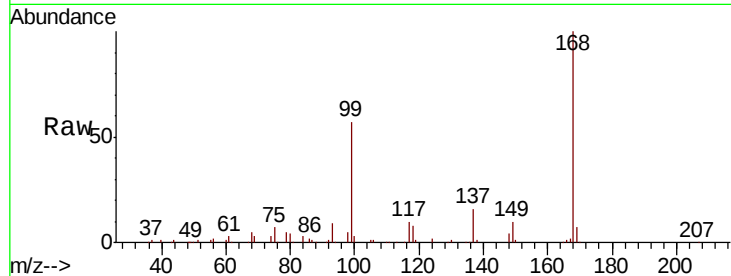
ClientSampleId :

Tot Ion:168 Resp: 248322

Ion Ratio Lower Upper

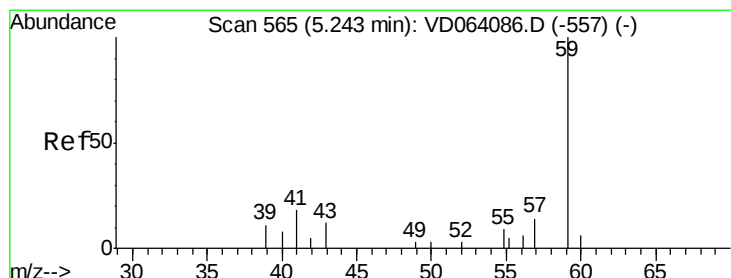
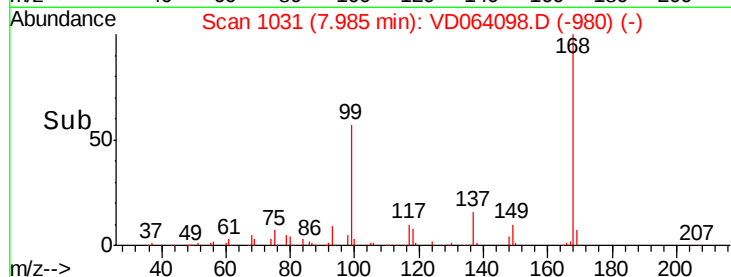
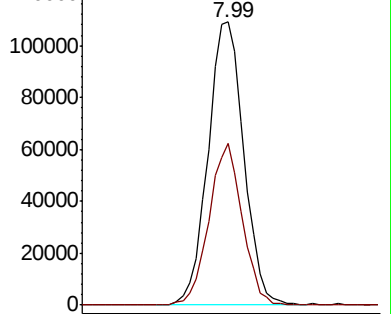
168 100

99 57.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 6.740 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064098.D

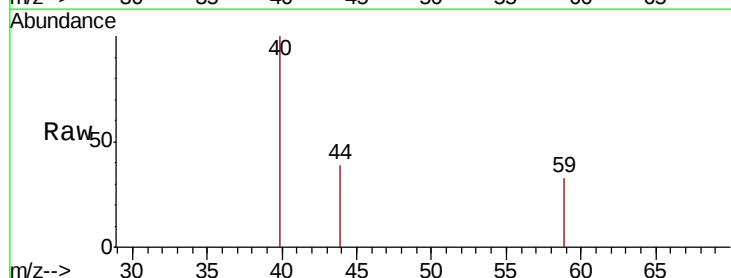
Acq: 29 Oct 2019 19:39

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

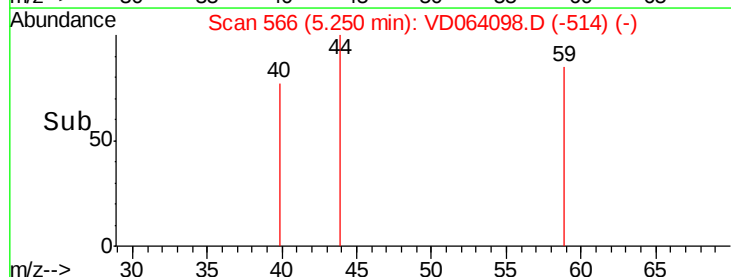
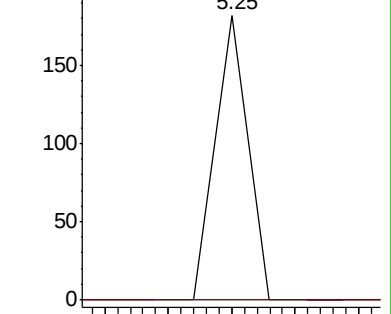
59 100

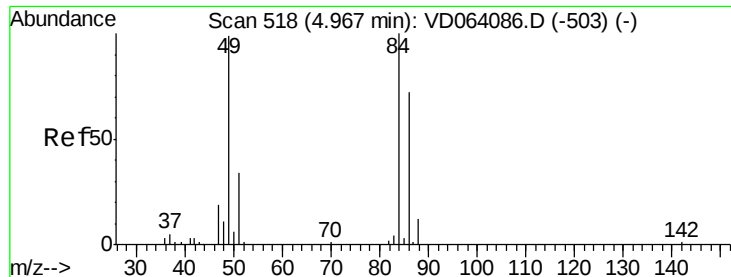
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

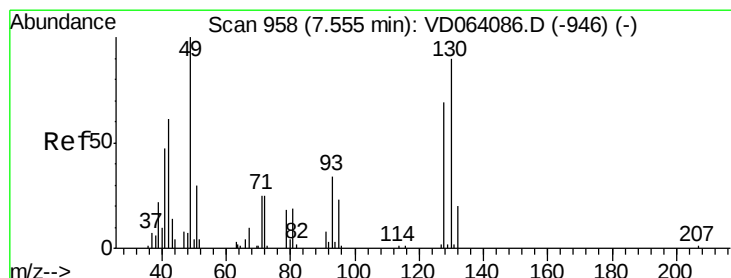
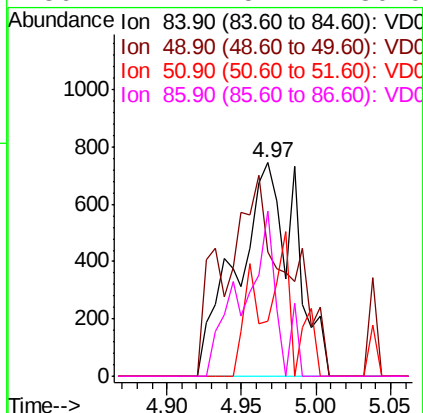
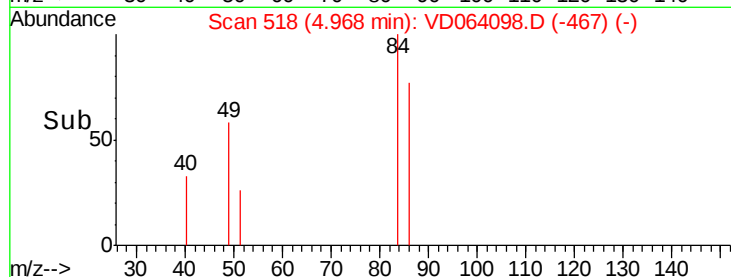
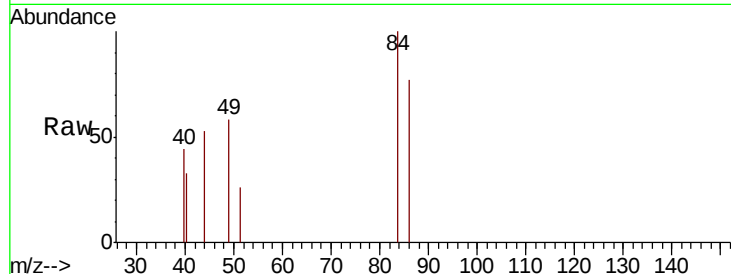




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

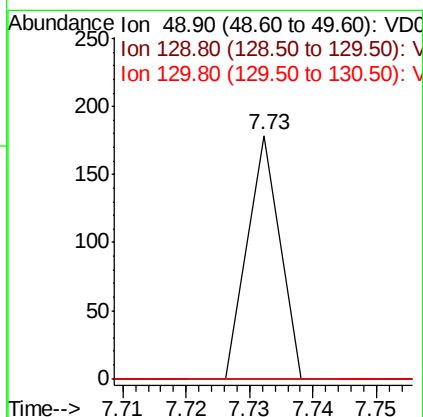
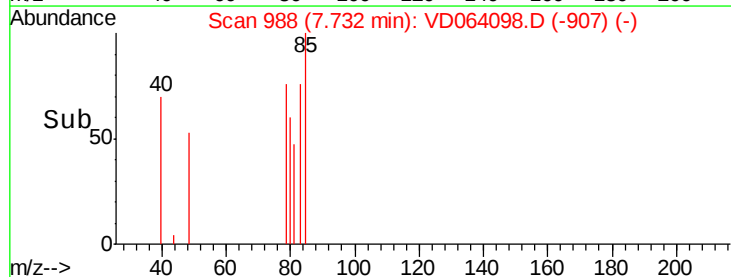
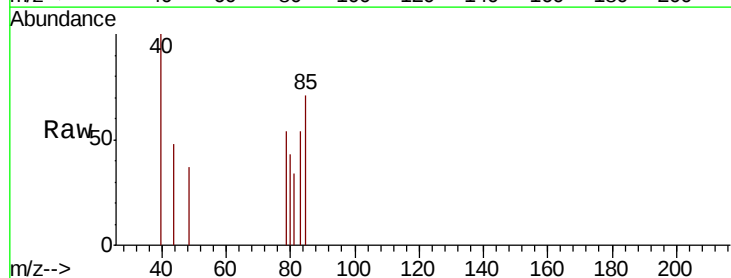
Instrument :
MSVOA_D
ClientSampleId :

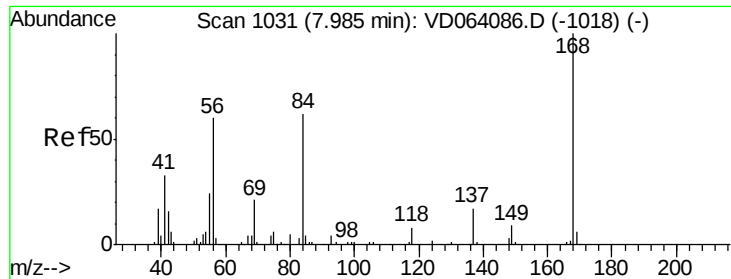
Tot Ion: 84 Resp: 2018
Ion Ratio Lower Upper
84 100
49 58.0 79.4 119.0#
51 26.0 27.4 41.2#
86 77.4 57.4 86.0



#28
Bromochloromethane
Concen: 2.291 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.18 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

Tgt Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 75.3 112.9#

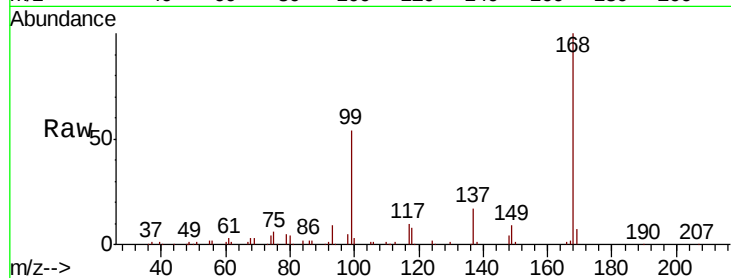




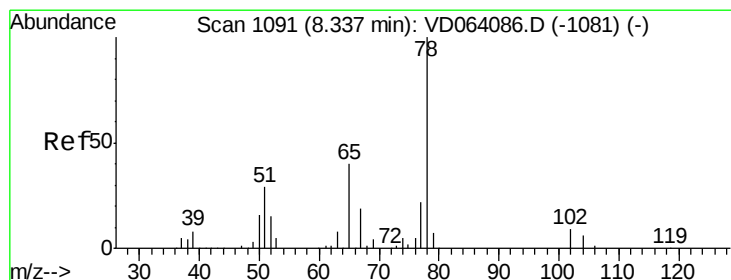
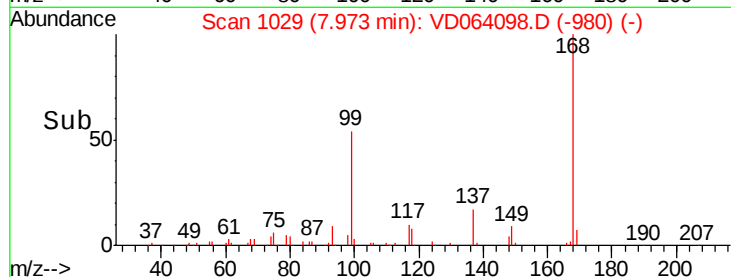
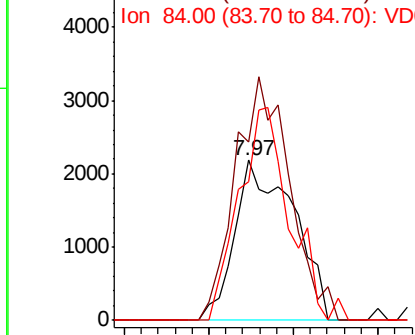
#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5288
Ion Ratio Lower Upper
56 100
69 111.2 27.7 41.5#
84 86.5 83.1 124.7

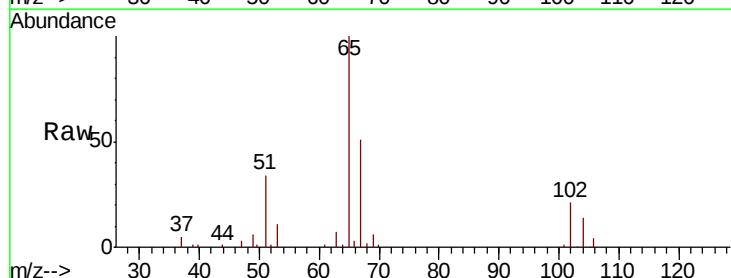


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

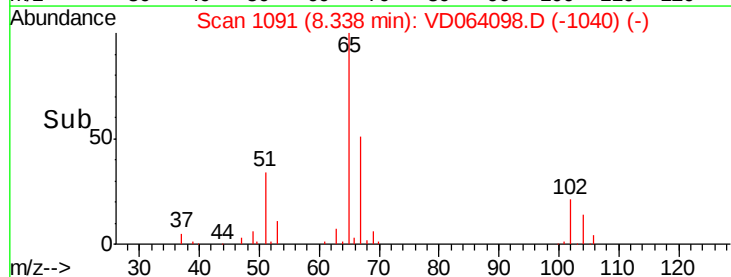
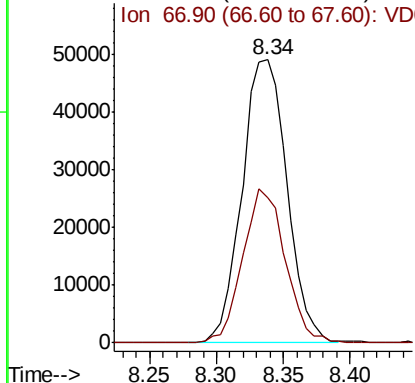


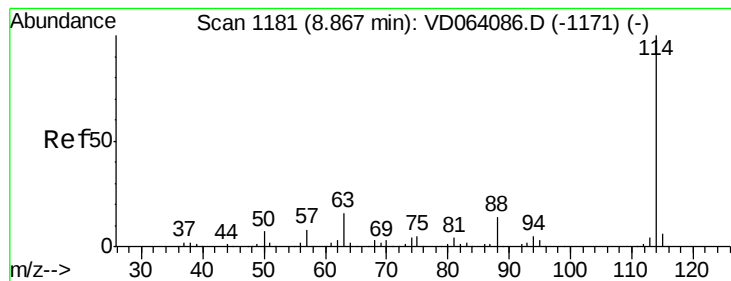
#33
1,2-Dichloroethane-d4
Concen: 57.940 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

Tgt Ion: 65 Resp: 114427
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6



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

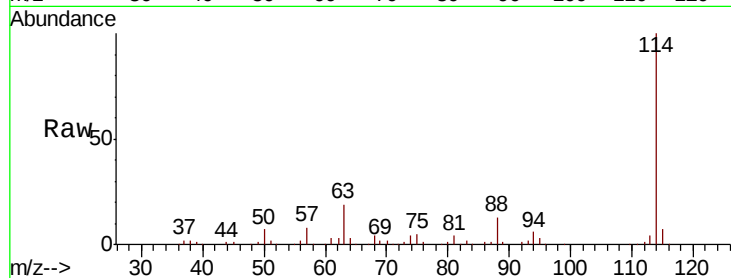




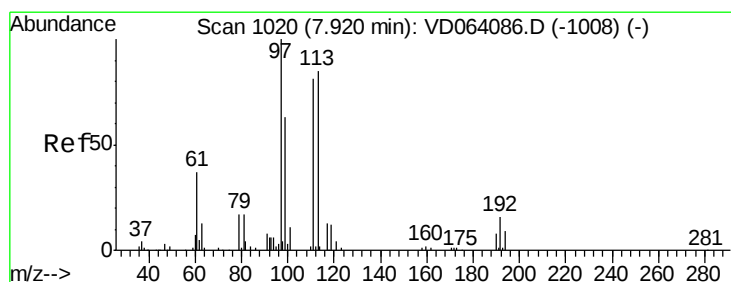
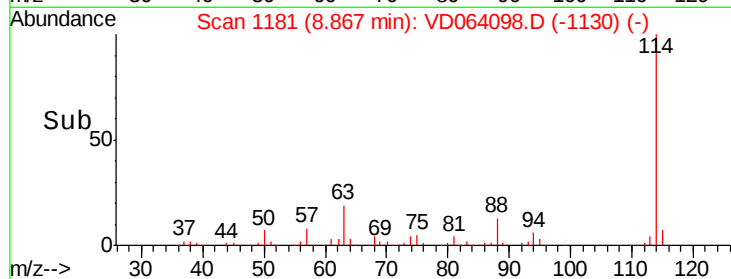
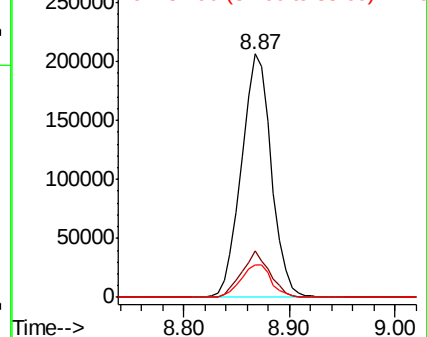
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064098.D
 Acq: 29 Oct 2019 19:39

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	32.8
88	13.2	0.0	27.6

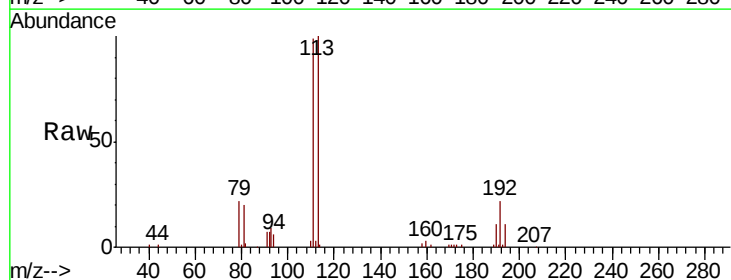


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

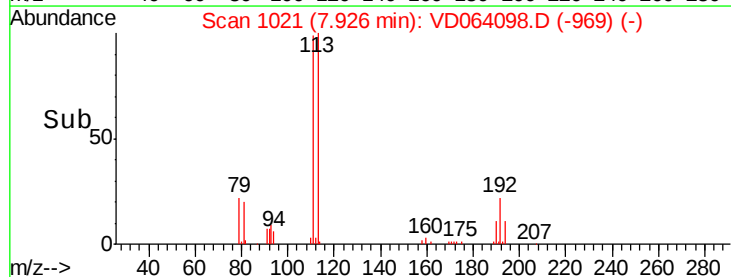
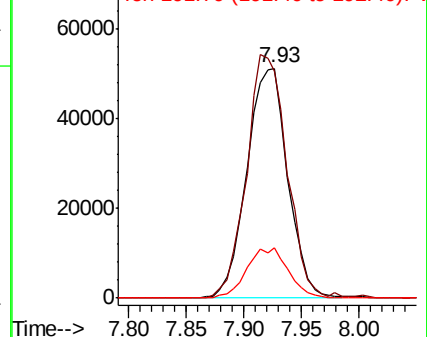


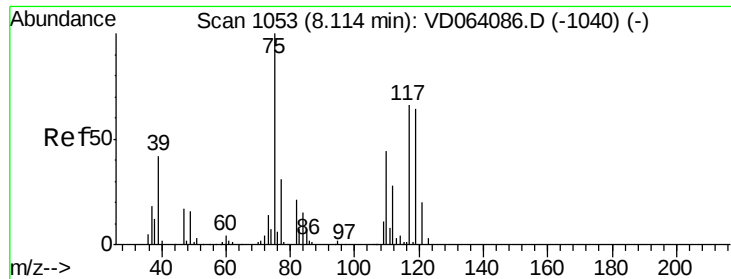
#35
 Dibromofluoromethane
 Concen: 50.681 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064098.D
 Acq: 29 Oct 2019 19:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	79.3	118.9
192	22.0	16.2	24.2



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

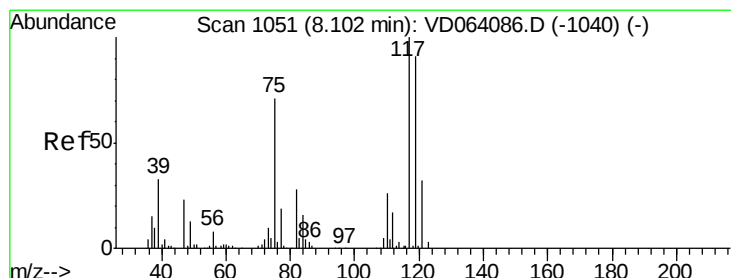
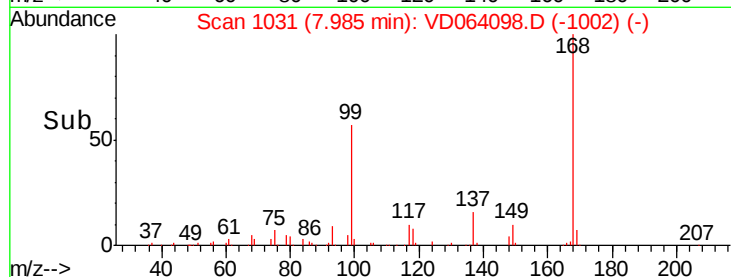
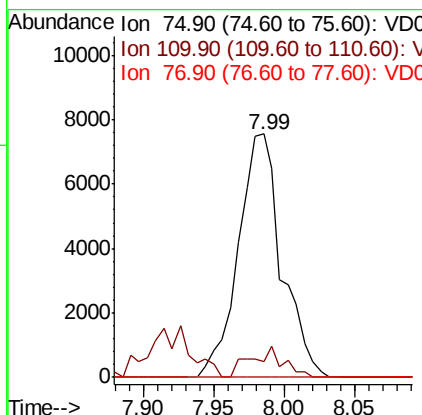
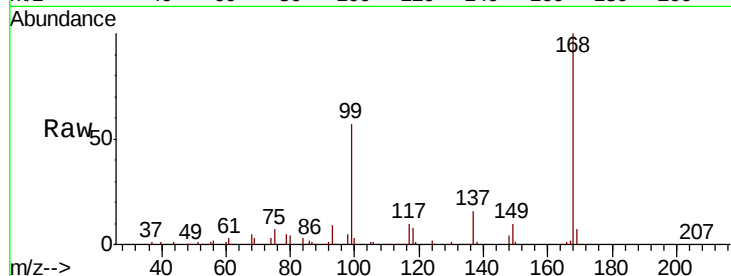




#36
 1,1-Dichloropropene
 Concen: 4.288 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064098.D
 Acq: 29 Oct 2019 19:39

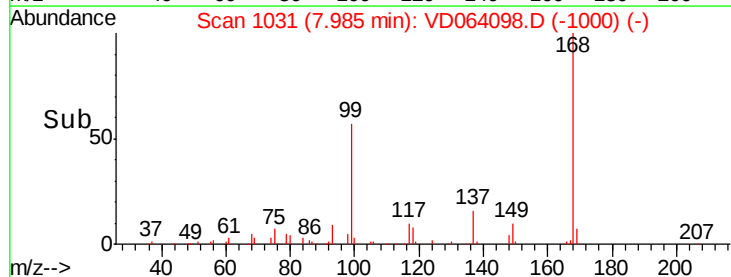
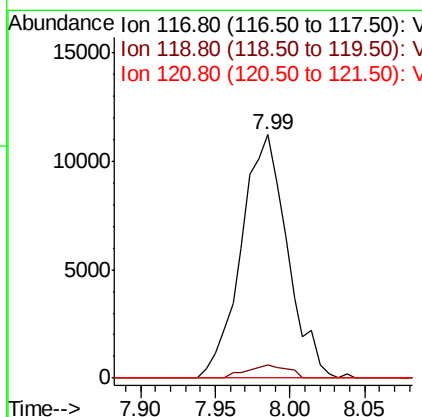
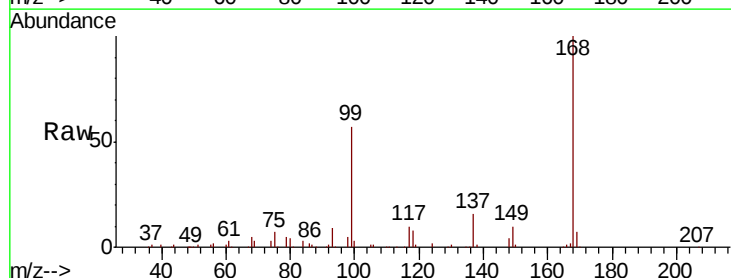
Instrument :
 MSVOA_D
 ClientSampleId :

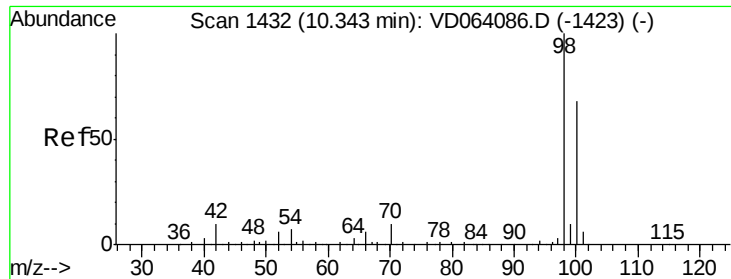
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.816 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD064098.D
 Acq: 29 Oct 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	72.6	108.8#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 48.914 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064098.D

Acq: 29 Oct 2019 19:39

Instrument :

MSVOA_D

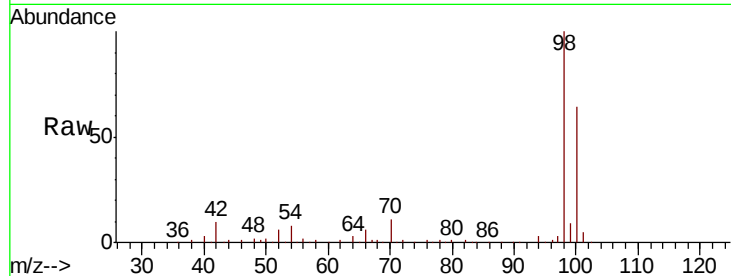
ClientSampled :

Tot Ion: 98 Resp: 487236

Ion Ratio Lower Upper

98 100

100 65.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

300000

250000

200000

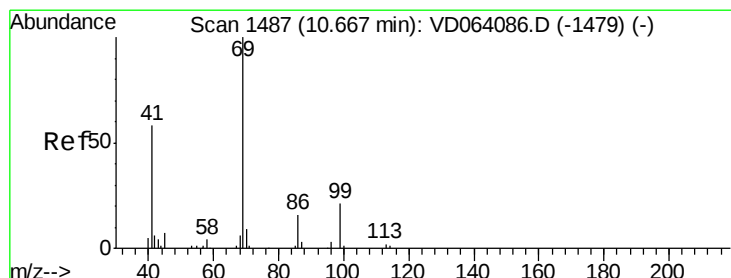
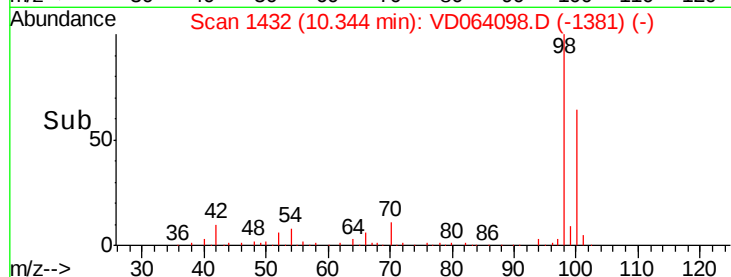
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 3.044 ug/l

RT: 10.84 min Scan# 1516

Delta R.T. 0.17 min

Lab File: VD064098.D

Acq: 29 Oct 2019 19:39

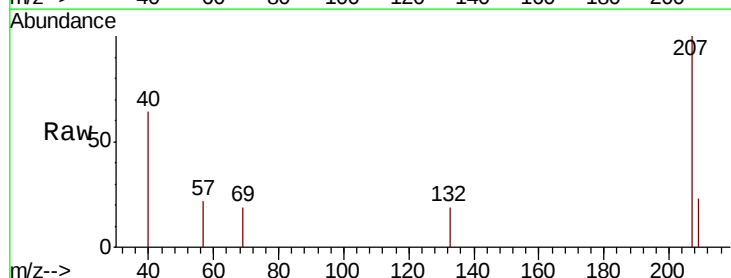
Tgt Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 0.0 46.9 70.3#

39 0.0 27.3 40.9#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

250

200

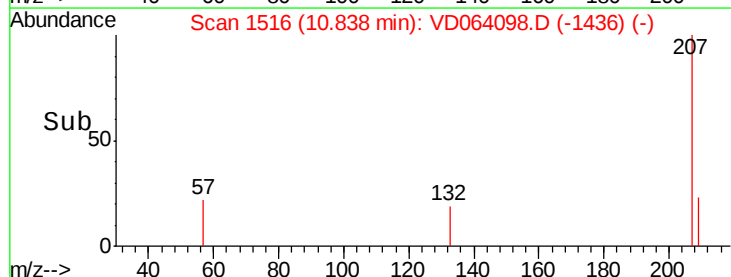
150

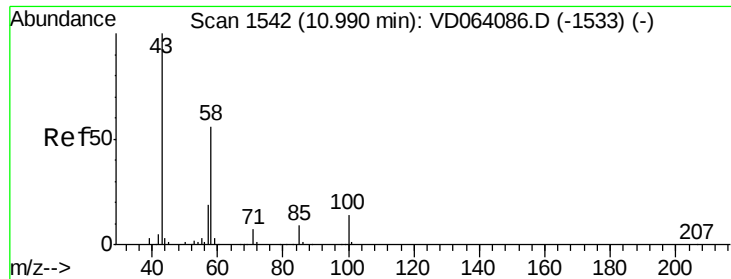
100

50

0

Time-->

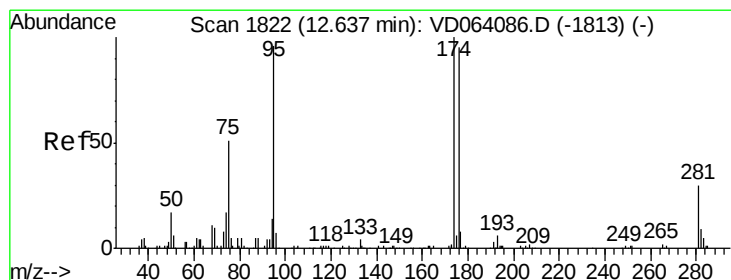
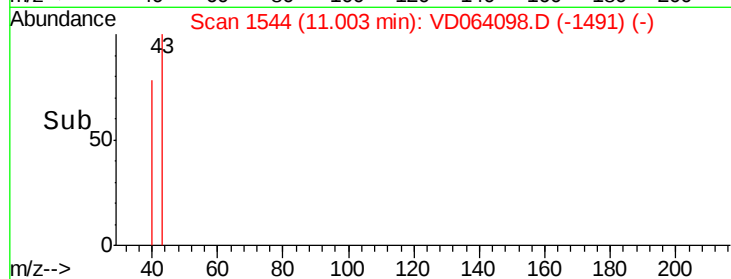
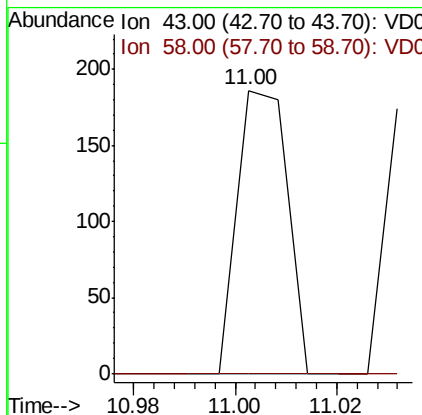
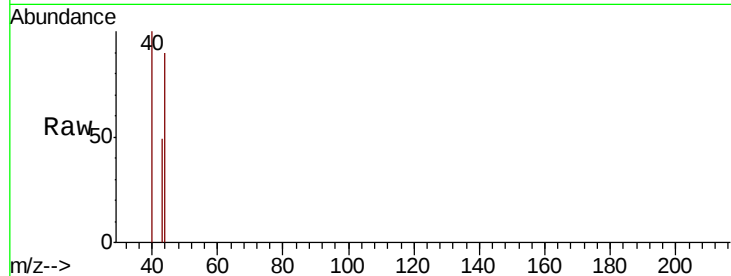




#59
2-Hexanone
Concen: 9.137 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.01 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

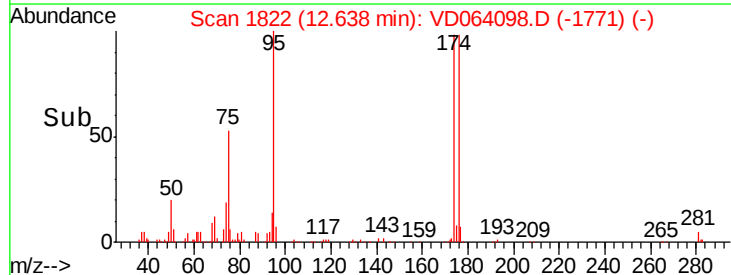
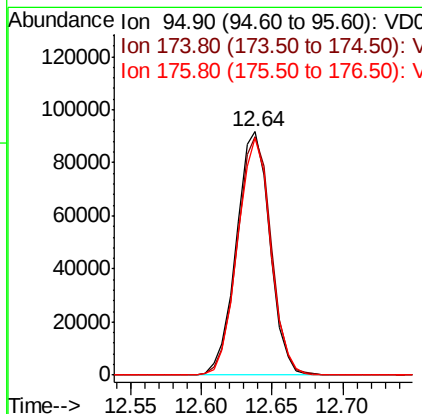
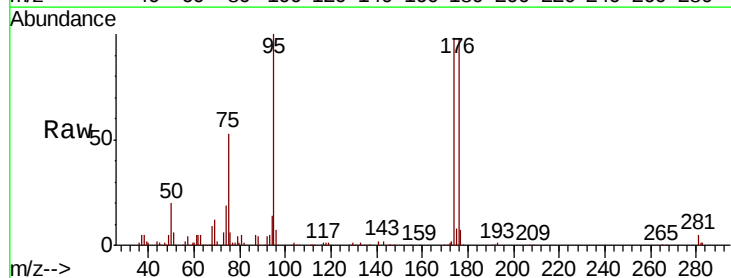
Instrument :
MSVOA_D
ClientSampleId :

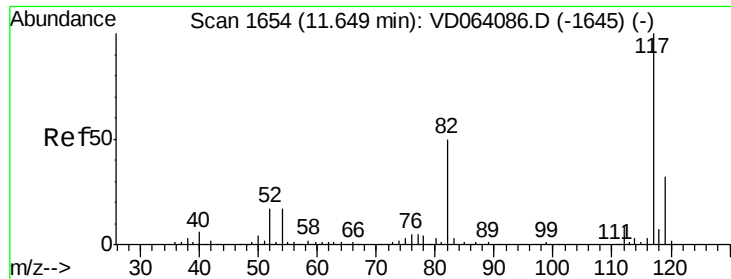
Tot Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 46.062 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

Tgt Ion: 95 Resp: 152116
Ion Ratio Lower Upper
95 100
174 98.7 0.0 201.6
176 96.2 0.0 192.6

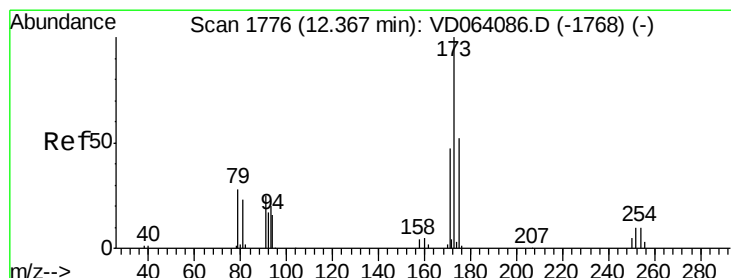
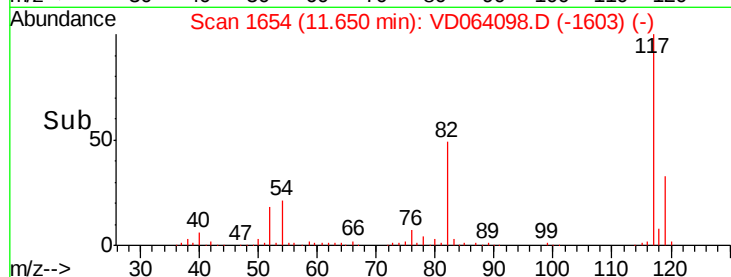
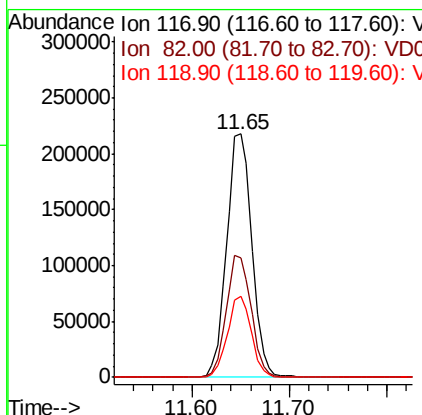
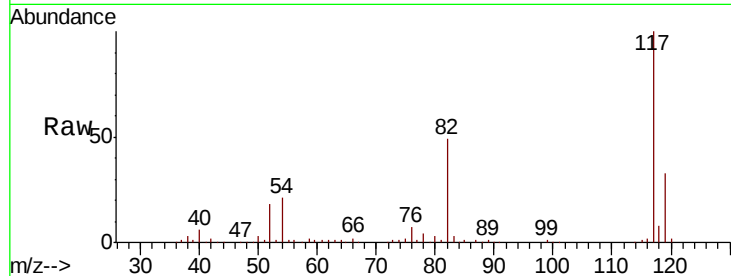




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

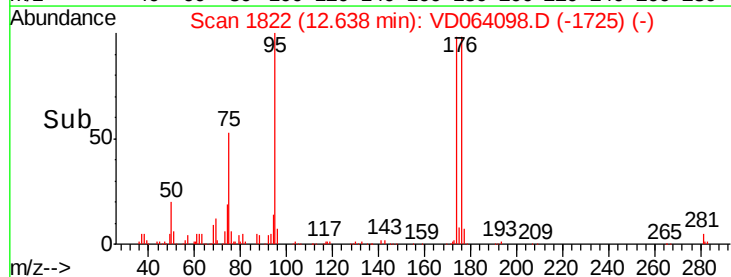
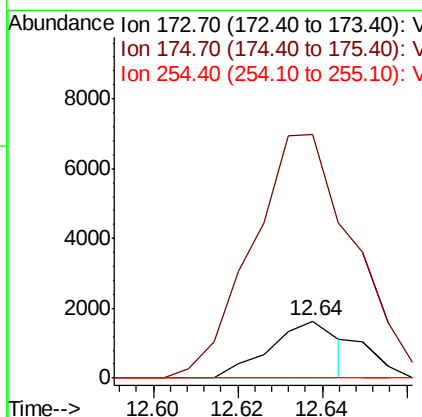
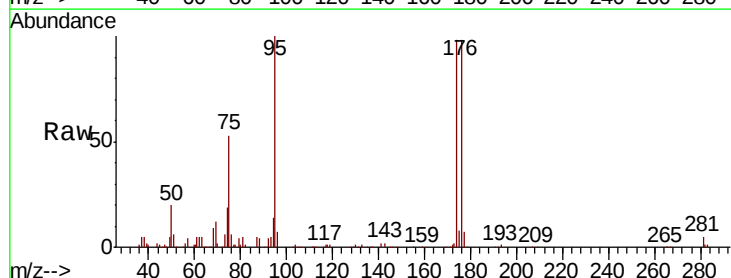
Instrument :
MSVOA_D
ClientSampled :

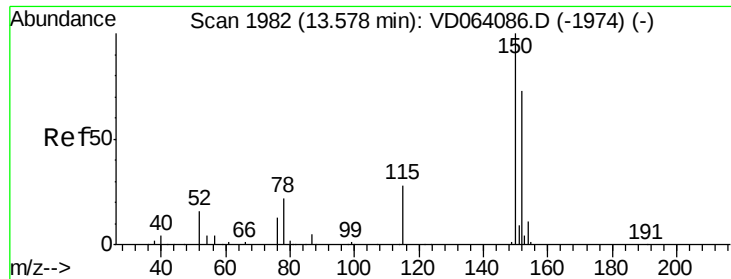
Tot Ion:117 Resp: 389370
Ion Ratio Lower Upper
117 100
82 49.3 40.2 60.4
119 33.3 26.0 39.0



#71
Bromoform
Concen: 1.135 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064098.D
Acq: 29 Oct 2019 19:39

Tgt Ion:173 Resp: 1825
Ion Ratio Lower Upper
173 100
175 525.2 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064098.D

Acq: 29 Oct 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

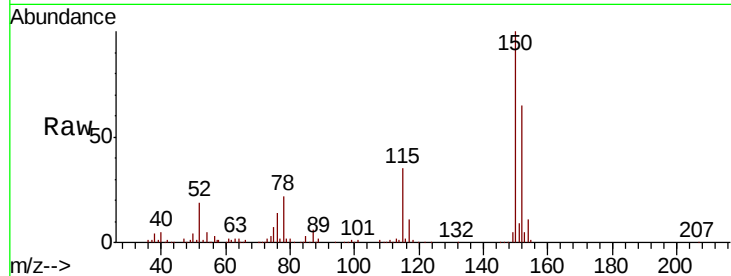
Tot Ion:152 Resp: 175426

Ion Ratio Lower Upper

152 100

115 54.8 26.2 78.6

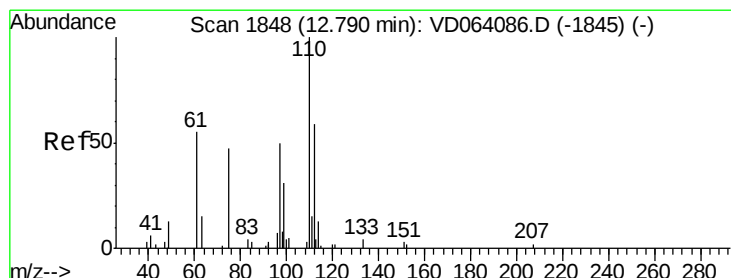
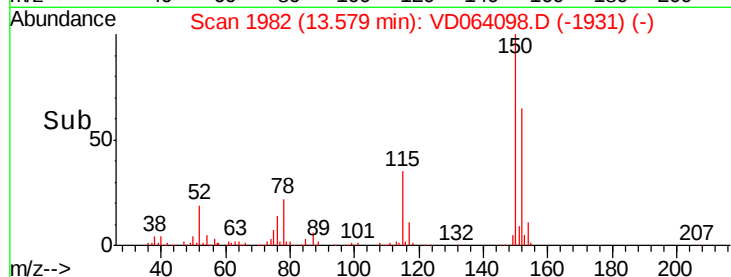
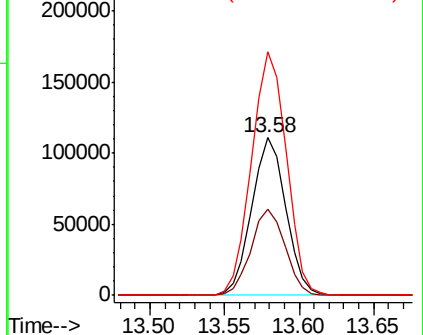
150 157.6 0.0 338.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 69.841 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064098.D

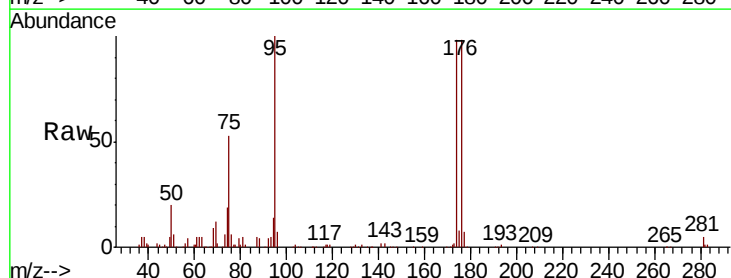
Acq: 29 Oct 2019 19:39

Tgt Ion: 75 Resp: 82326

Ion Ratio Lower Upper

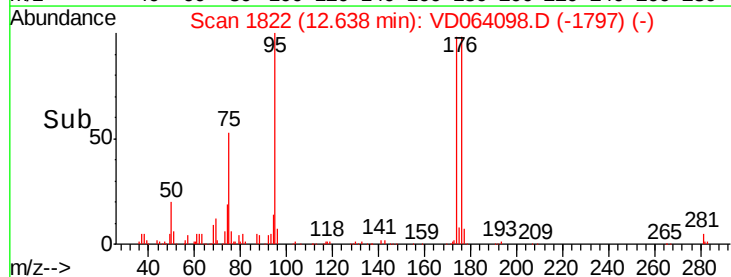
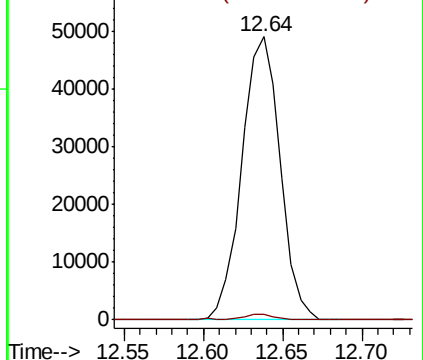
75 100

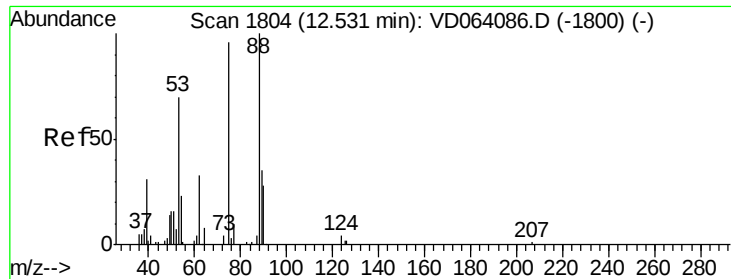
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 142.633 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064098.D

Acq: 29 Oct 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

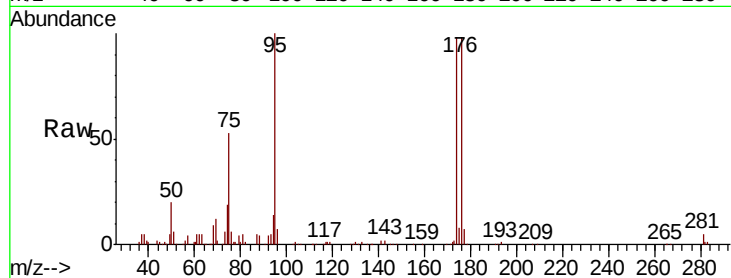
Tot Ion: 75 Resp: 82326

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.4 36.9 55.3#



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

