

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067850.D
 Acq On : 02 Dec 2020 21:52
 Operator : VA/SY
 Sample : L4911-03
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SK-12-1-SPC

Quant Time: Dec 03 00:37:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	238540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	341266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	122340	47.77	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.54%
35) Dibromofluoromethane	7.92	113	104337	45.69	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.38%
50) Toluene-d8	10.34	98	385995	46.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.92%
62) 4-Bromofluorobenzene	12.64	95	120247	42.31	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.62%

Target Compounds

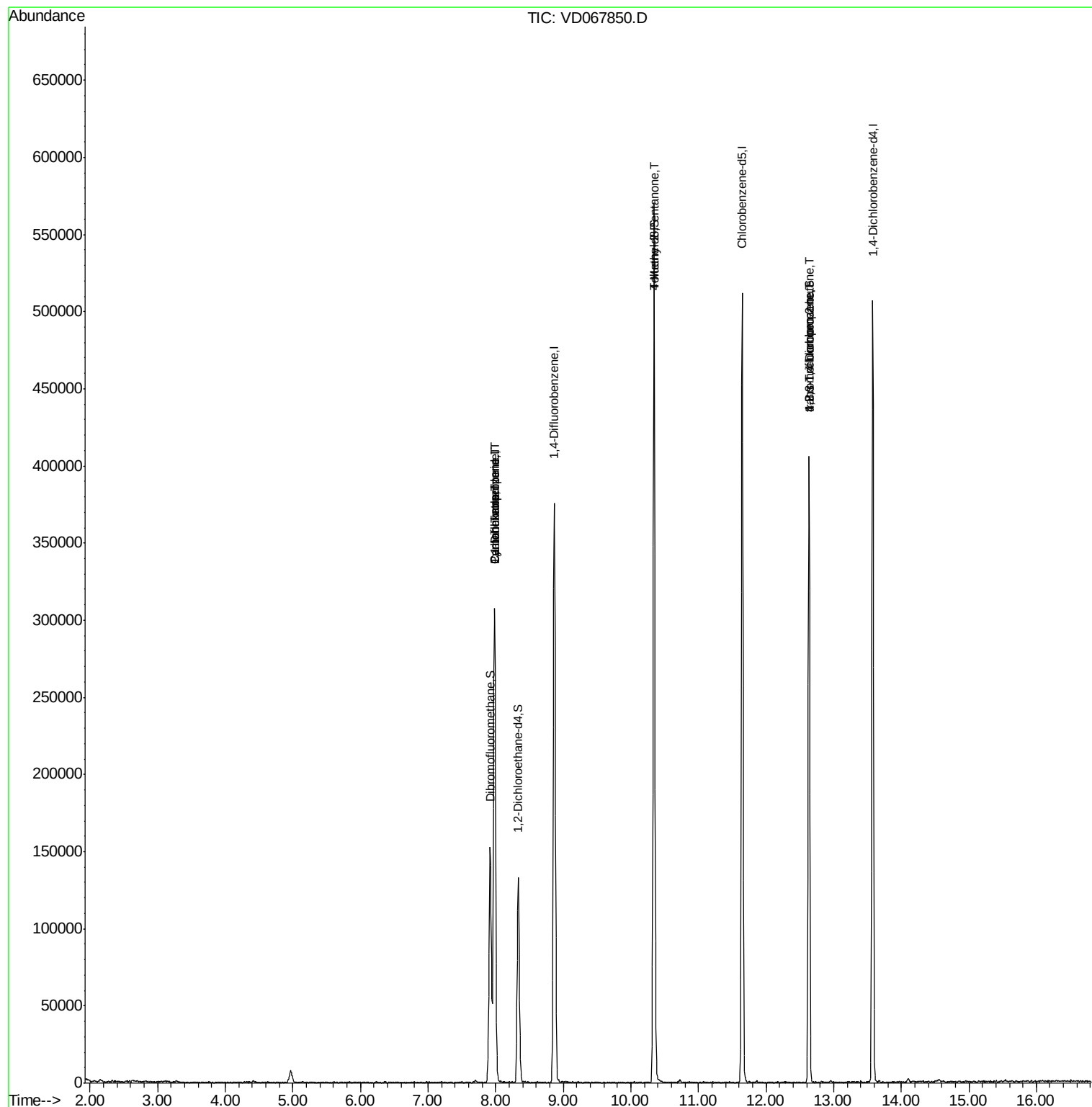
					Qvalue	
20) Methylene Chloride	4.98	84	6271	Below Cal	#	96
31) Cyclohexane	7.98	56	4937	1.830	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	16844	5.701	ug/l #	49
38) Carbon Tetrachloride	7.98	117	25481	5.700	ug/l #	13
41) Methacrylonitrile	7.57	41	113	Below Cal	#	14
51) 4-Methyl-2-Pentanone	10.34	43	1612	2.174	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	66927	64.194	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	66927	153.558	ug/l #	7

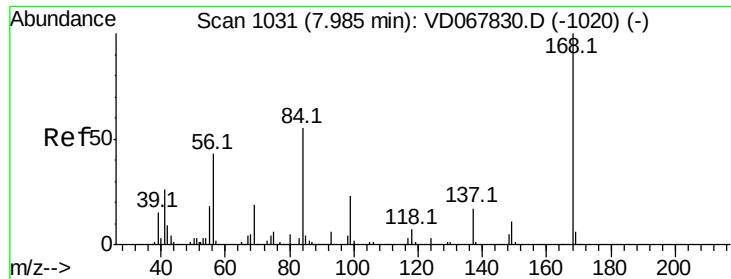
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067850.D
Acq On : 02 Dec 2020 21:52
Operator : VA/SY
Sample : L4911-03
Misc : 6.40G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPC

Quant Time: Dec 03 00:37:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

Instrument :

MSVOA_D

ClientSampleId :

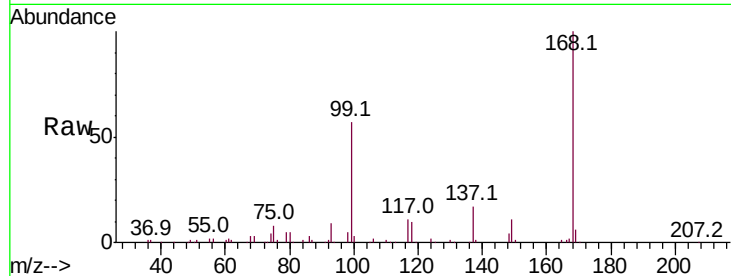
SK-12-1-SPC

Tot Ion:168 Resp: 238540

Ion Ratio Lower Upper

168 100

99 56.9 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

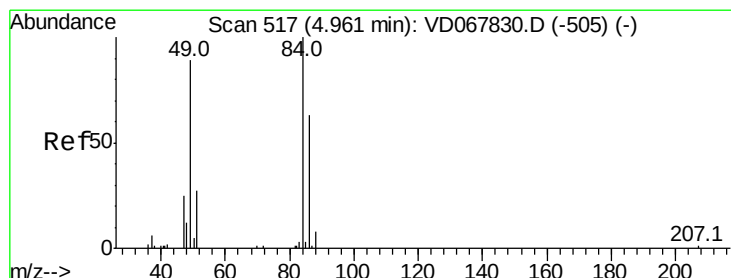
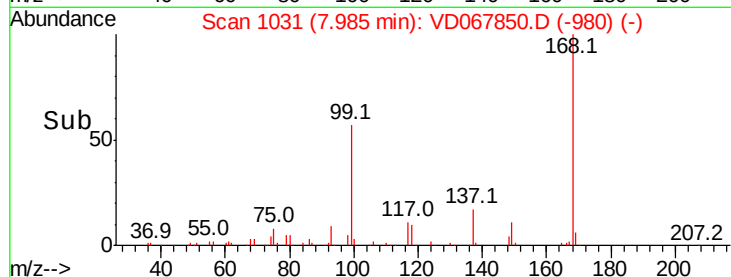
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

Tgt Ion: 84 Resp: 6271

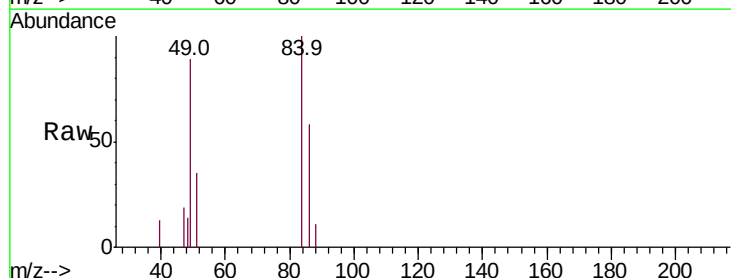
Ion Ratio Lower Upper

84 100

49 89.2 71.4 107.0

51 34.9 21.8 32.8#

86 58.2 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.98

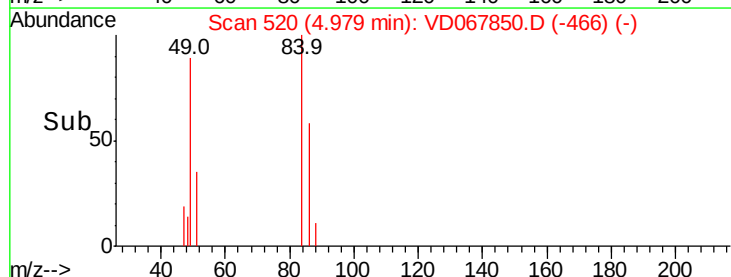
3000

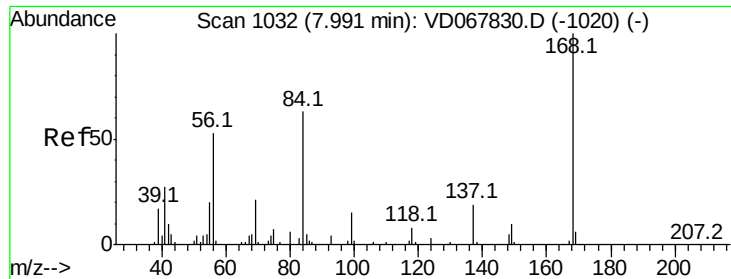
2000

1000

0

Time-->

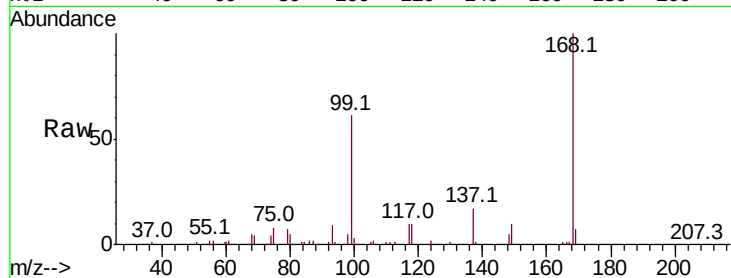




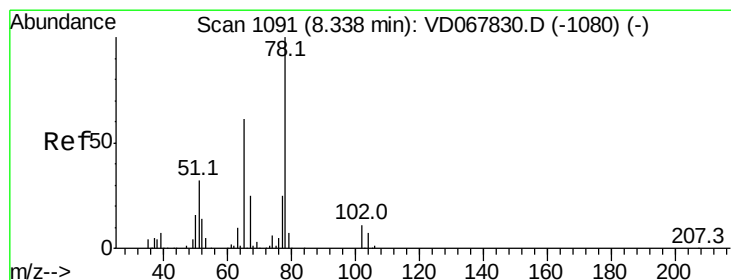
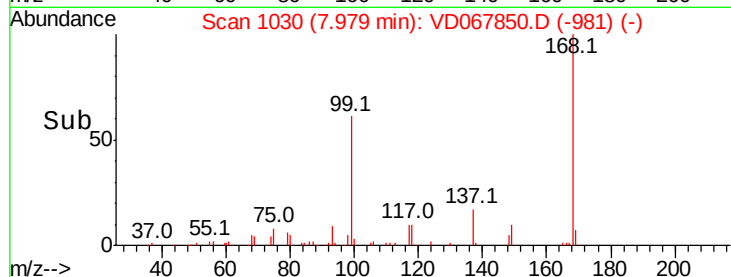
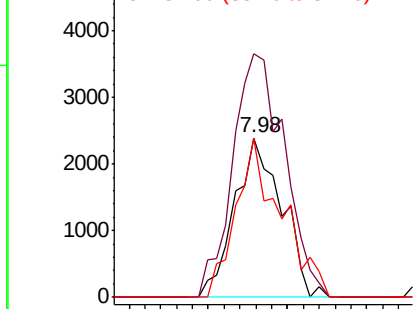
#31
Cyclohexane
Concen: 1.830 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067850.D
Acq: 02 Dec 2020 21:52

Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPC

Tot Ion: 56 Resp: 4937
Ion Ratio Lower Upper
56 100
69 152.9 32.1 48.1#
84 100.0 93.2 139.8

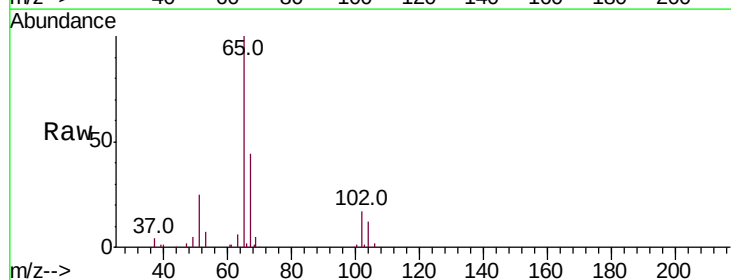


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

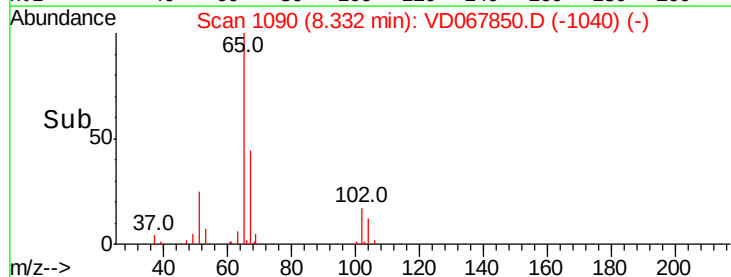
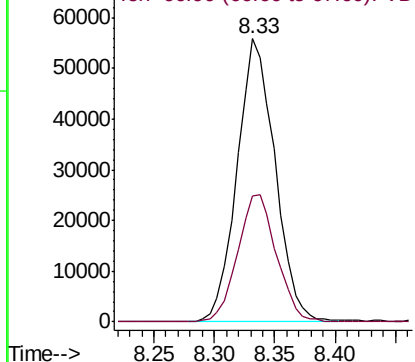


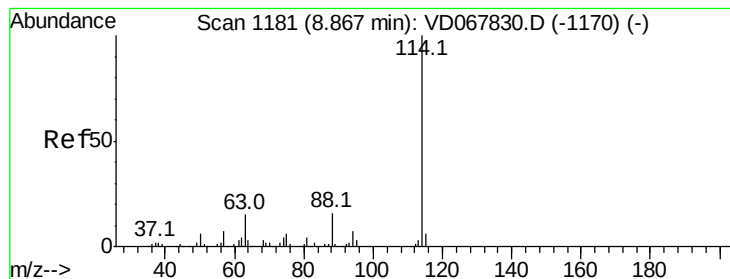
#33
1,2-Dichloroethane-d4
Concen: 47.774 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067850.D
Acq: 02 Dec 2020 21:52

Tgt Ion: 65 Resp: 122340
Ion Ratio Lower Upper
65 100
67 45.9 0.0 92.0



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: VD067850.D

Acq: 02 Dec 2020 21:52

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPC

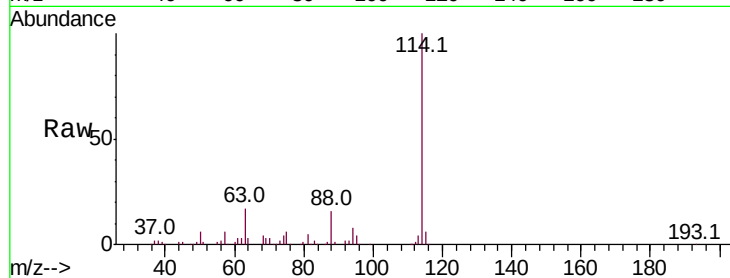
Tot Ion:114 Resp: 341266

Ion Ratio Lower Upper

114 100

63 17.0 0.0 30.8

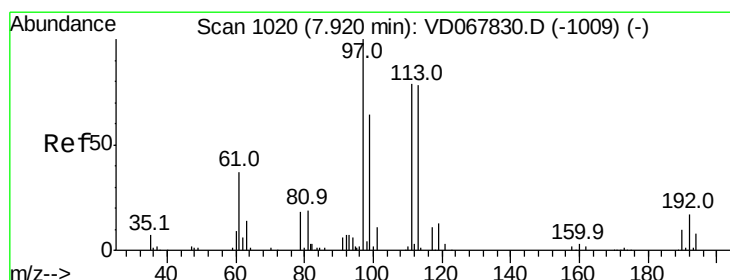
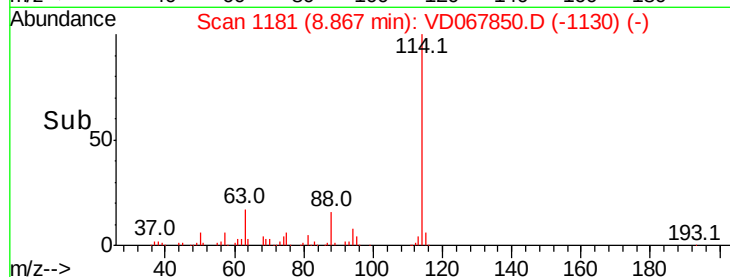
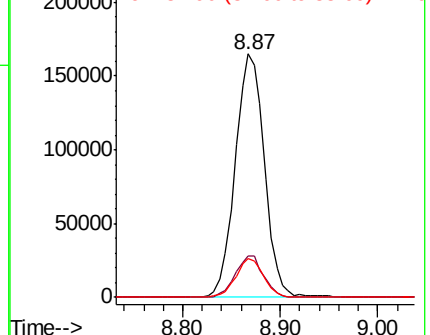
88 16.1 0.0 31.8



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: 45.690 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

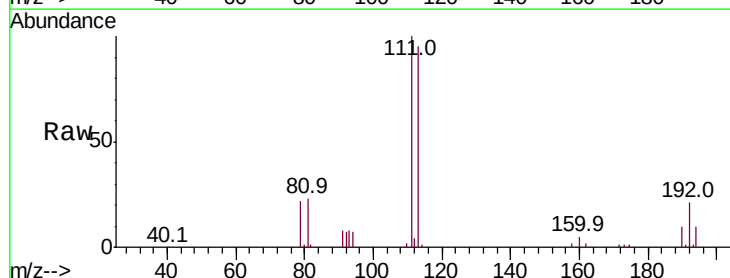
Tgt Ion:113 Resp: 104337

Ion Ratio Lower Upper

113 100

111 103.7 81.2 121.8

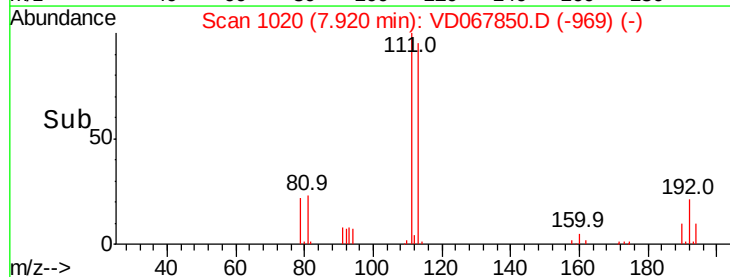
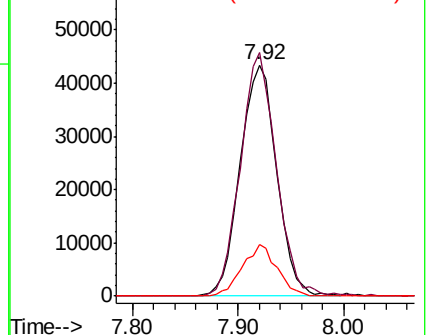
192 21.1 16.8 25.2

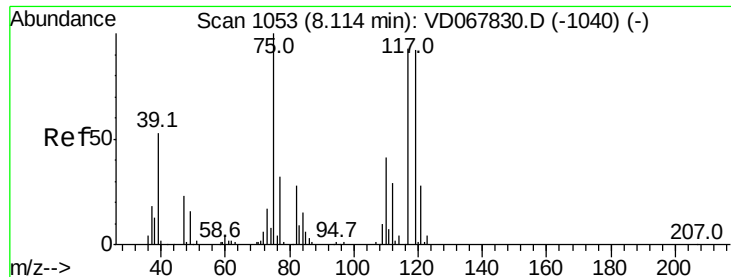


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.701 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

Instrument :

MSVOA_D

ClientSampled :

SK-12-1-SPC

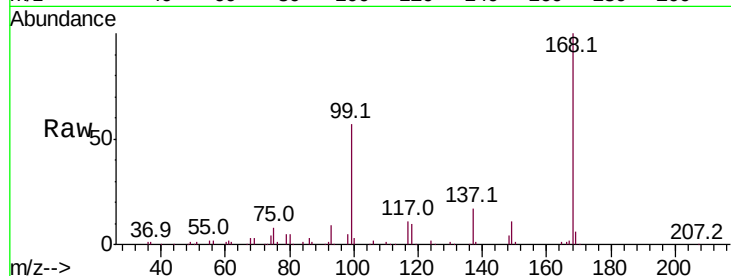
Tot Ion: 75 Resp: 16844

Ion Ratio Lower Upper

75 100

110 11.6 20.3 61.0#

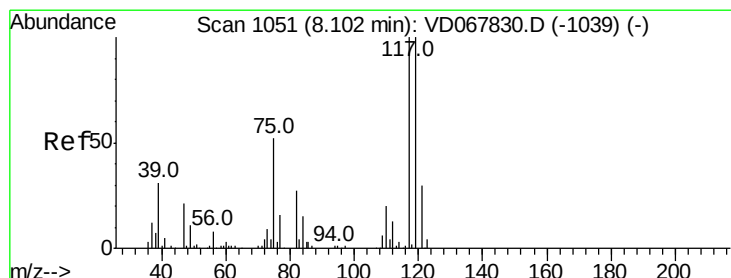
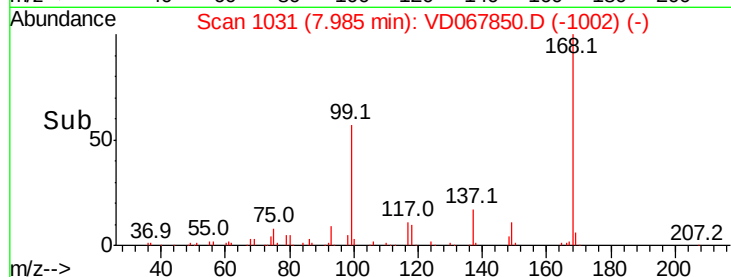
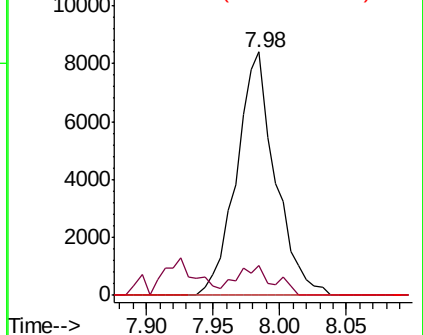
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

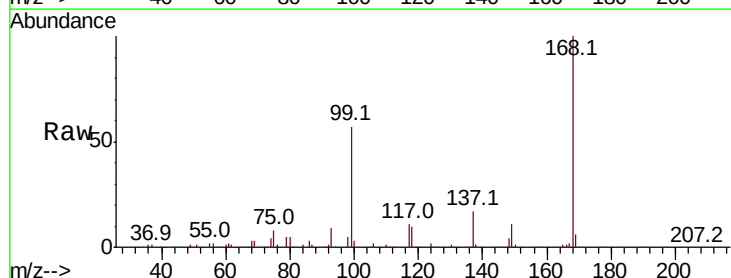
Tgt Ion: 117 Resp: 25481

Ion Ratio Lower Upper

117 100

119 3.0 79.7 119.5#

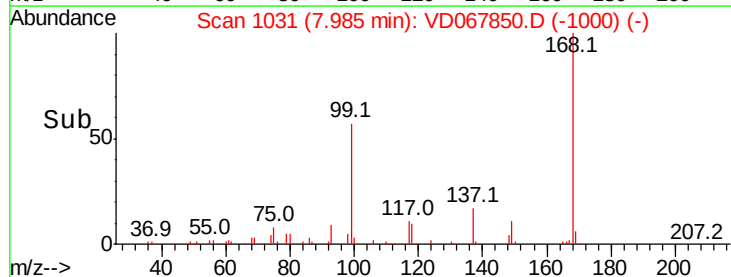
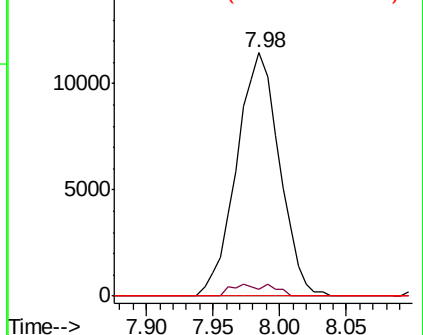
121 0.0 23.8 35.6#

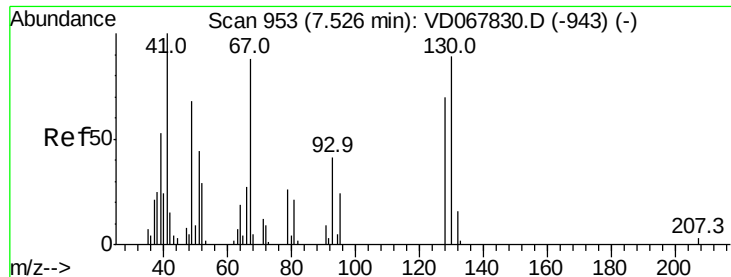


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067850.D

Acq: 02 Dec 2020 21:52

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPC

Tot Ion: 41 Resp: 113

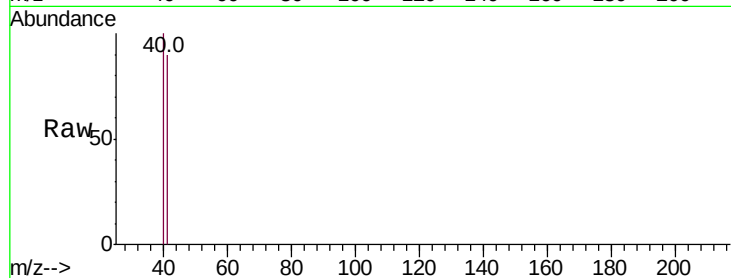
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

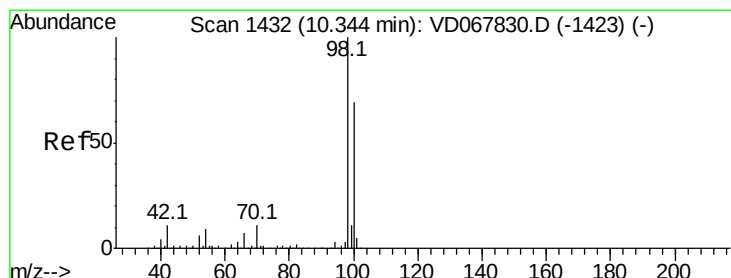
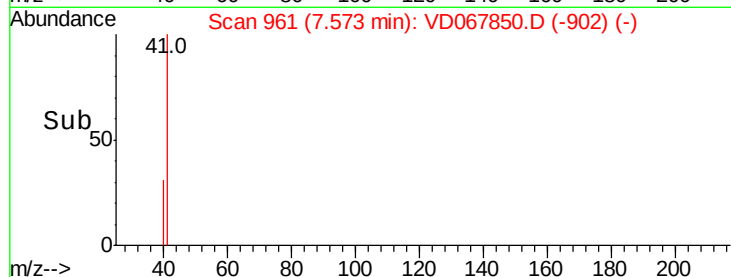
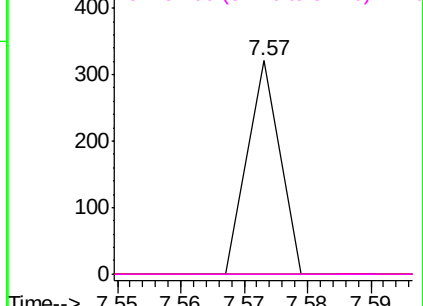


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 46.956 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067850.D

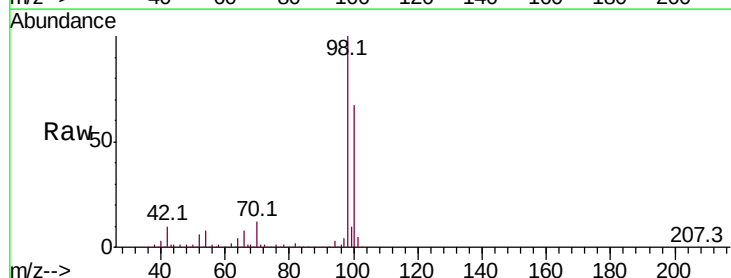
Acq: 02 Dec 2020 21:52

Tgt Ion: 98 Resp: 385995

Ion Ratio Lower Upper

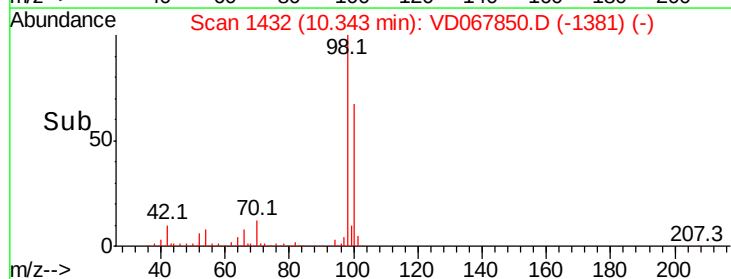
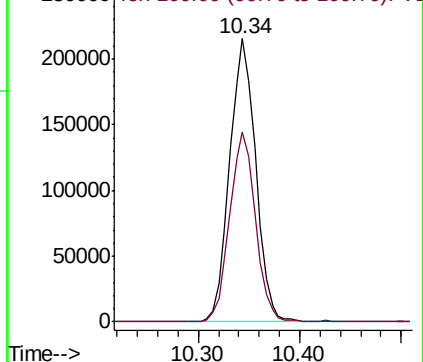
98 100

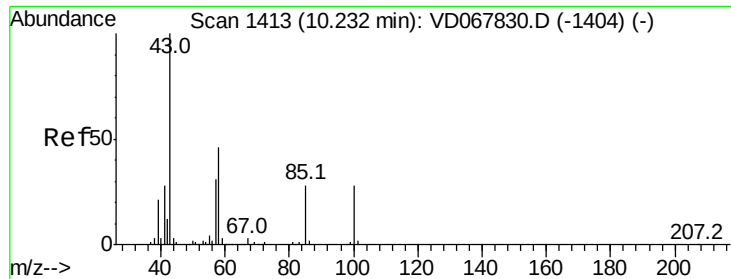
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

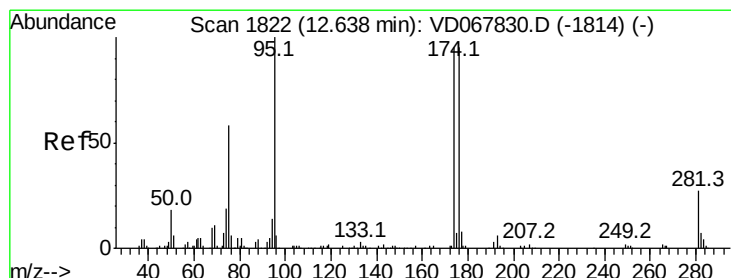
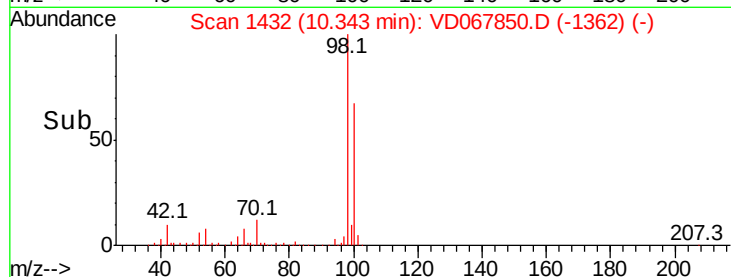
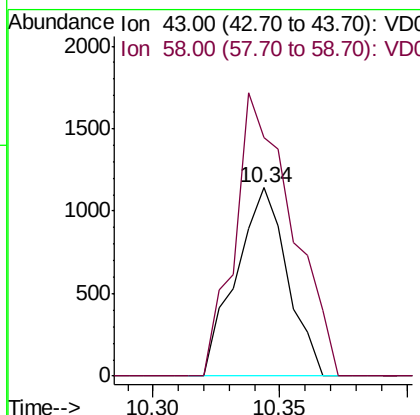
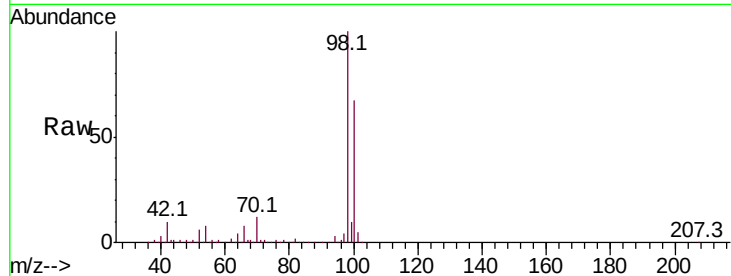




#51
 4-Methyl-2-Pentanone
 Concen: 2.174 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.11 min
 Lab File: VD067850.D
 Acq: 02 Dec 2020 21:52

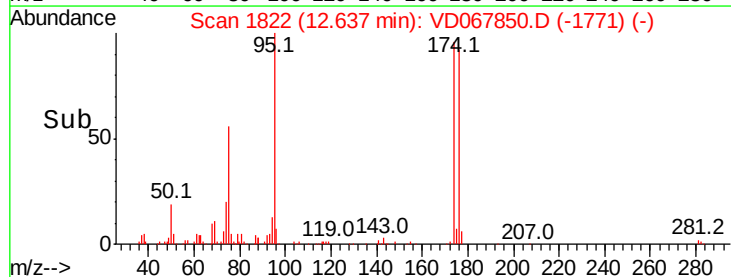
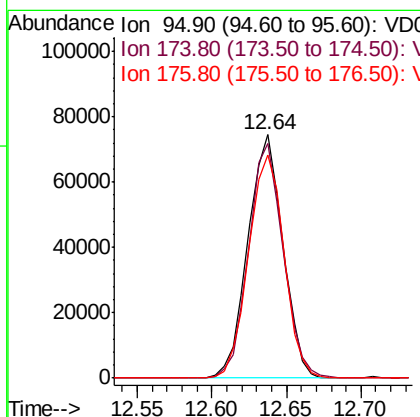
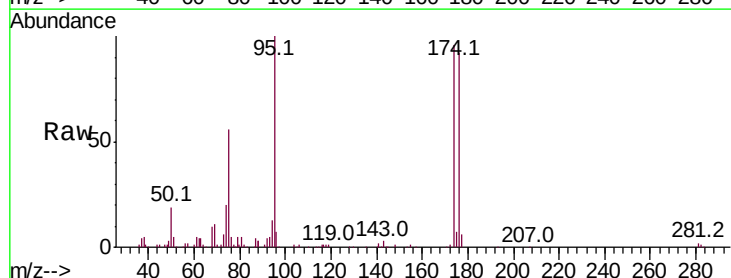
Instrument :
 MSVOA_D
 ClientSampleId :
 SK-12-1-SPC

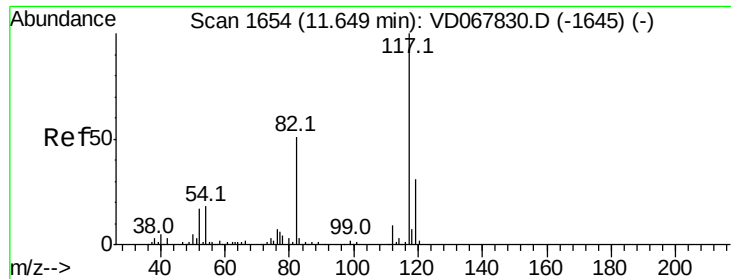
Tot Ion: 43 Resp: 1612
 Ion Ratio Lower Upper
 43 100
 58 166.6 35.7 53.5#



#62
 4-Bromofluorobenzene
 Concen: 42.310 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067850.D
 Acq: 02 Dec 2020 21:52

Tgt Ion: 95 Resp: 120247
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 186.0
 176 93.1 0.0 184.2

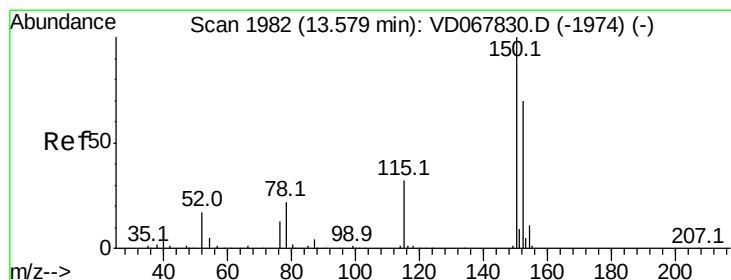
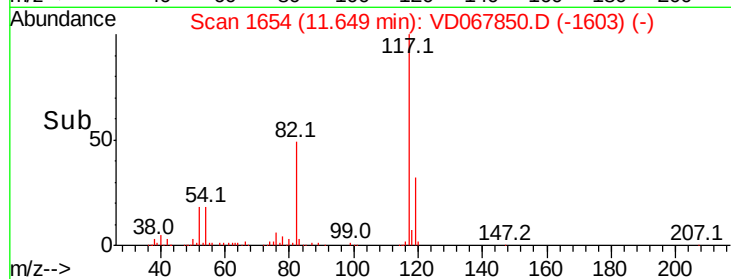
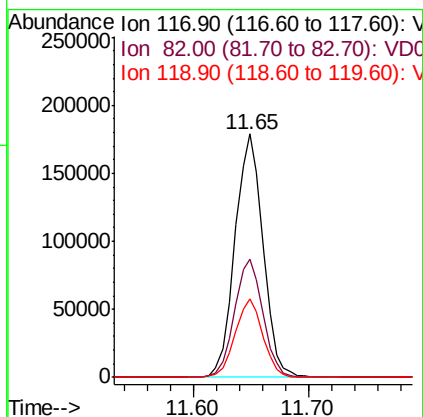
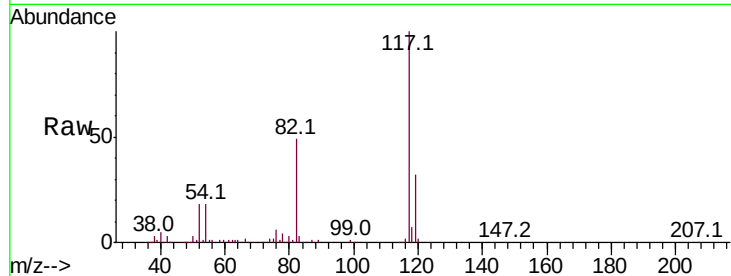




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067850.D
Acq: 02 Dec 2020 21:52

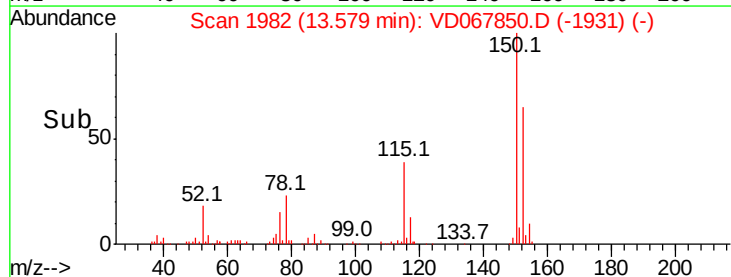
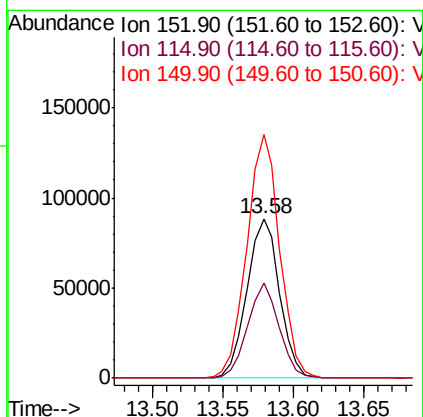
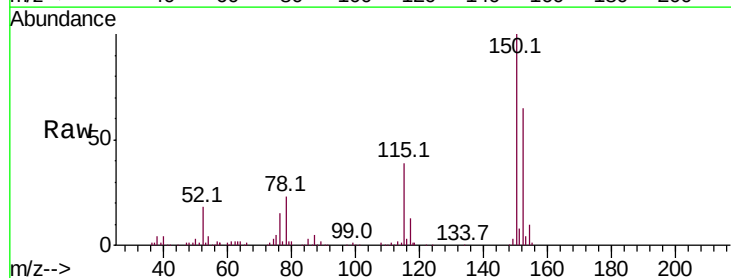
Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPC

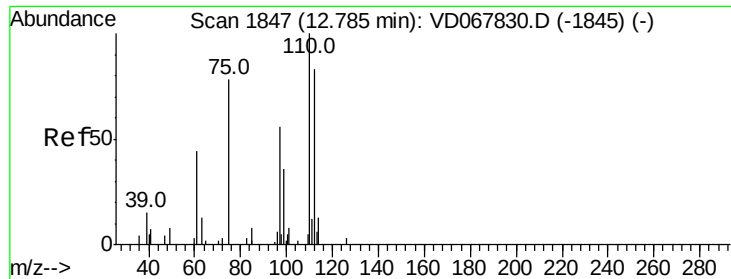
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	40.6	60.8
119	32.1	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067850.D
Acq: 02 Dec 2020 21:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.1	87.4
150	154.3	0.0	339.0

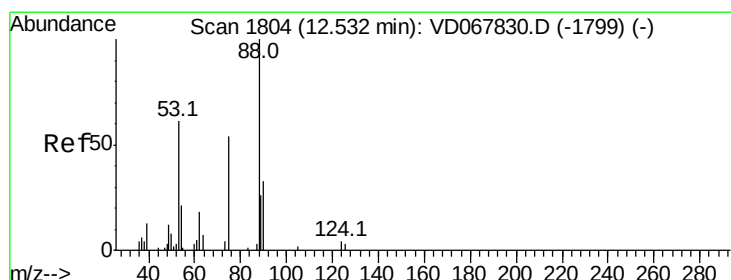
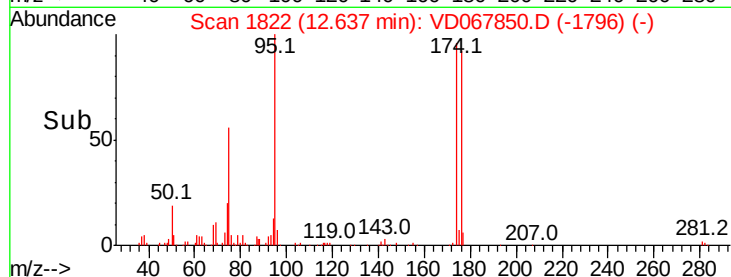
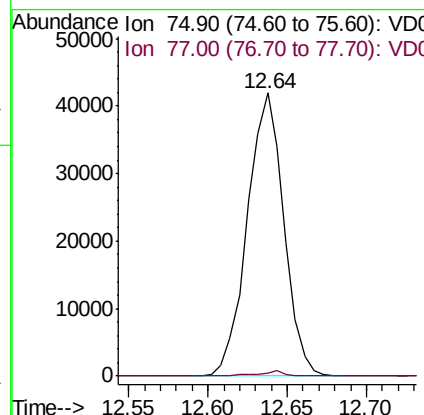
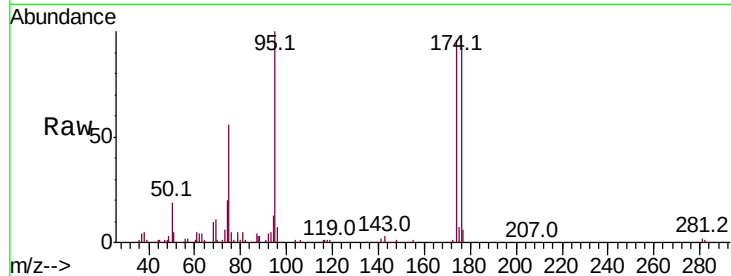




#76
 1,2,3-Trichloropropane
 Concen: 64.194 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067850.D
 Acq: 02 Dec 2020 21:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SK-12-1-SPC

Tot Ion: 75 Resp: 66927
 Ion Ratio Lower Upper
 75 100
 77 1.3 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.558 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067850.D
 Acq: 02 Dec 2020 21:52

Tgt Ion: 75 Resp: 66927
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.6 127.0#
 89 0.0 41.0 61.6#

