

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067411.D
 Acq On : 27 Oct 2020 15:02
 Operator : VA/SY
 Sample : L4537-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Quant Time: Oct 28 00:45:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	294862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	153860	52.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.16%	
35) Dibromofluoromethane	7.91	113	159965	49.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.48%	
50) Toluene-d8	10.34	98	569782	48.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.64	95	186876	46.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.36%	

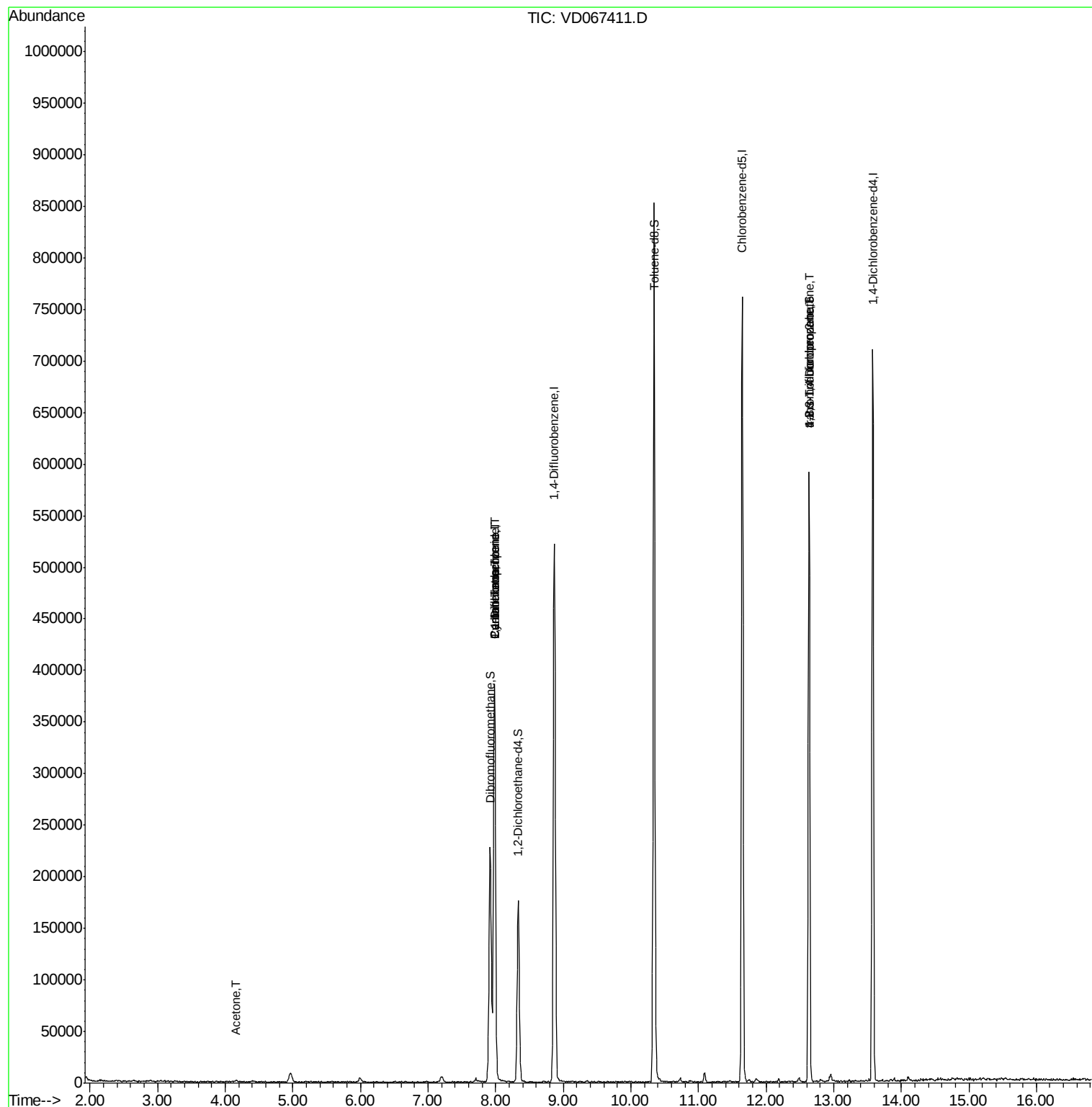
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	531	Below Cal	#	44
5) Bromomethane	2.78	94	123	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	251	Below Cal	#	81
16) Acetone	4.16	43	3025	7.312	ug/l #	82
20) Methylene Chloride	4.96	84	7974	Below Cal	#	93
31) Cyclohexane	7.98	56	5864	1.723	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	20074	4.901	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31270	5.974	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	92873	68.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	92873	155.812	ug/l #	10

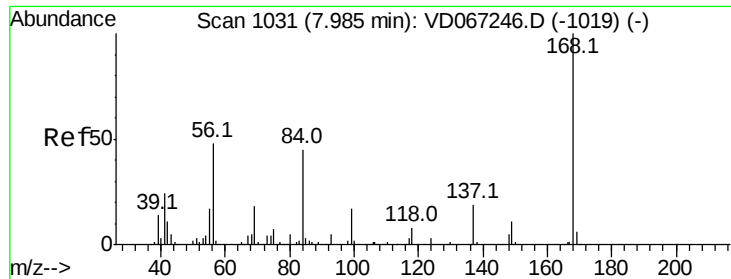
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067411.D

Acq: 27 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

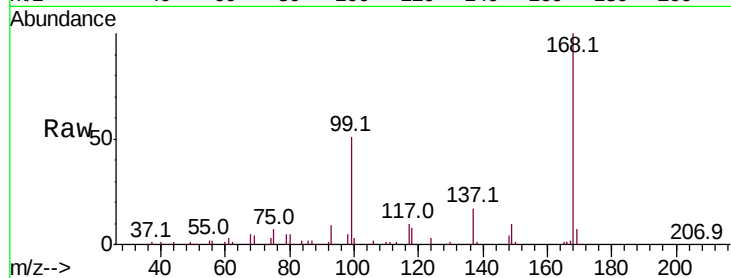
S-1A

Tot Ion:168 Resp: 294862

Ion Ratio Lower Upper

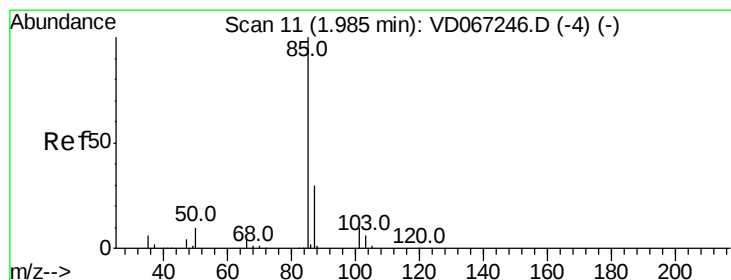
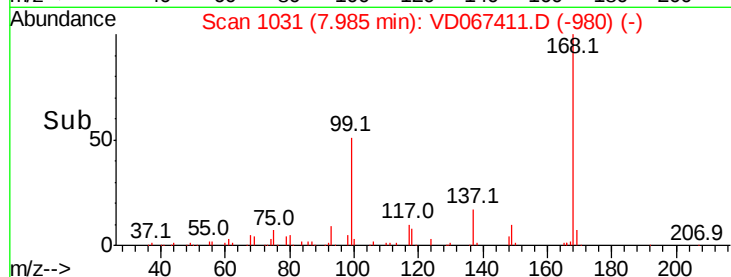
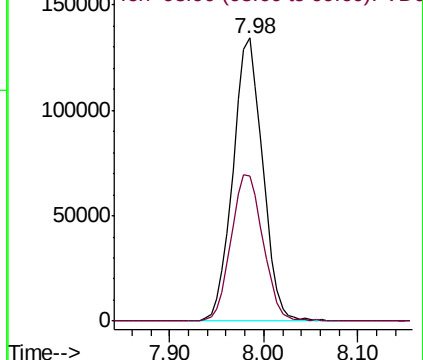
168 100

99 51.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067411.D

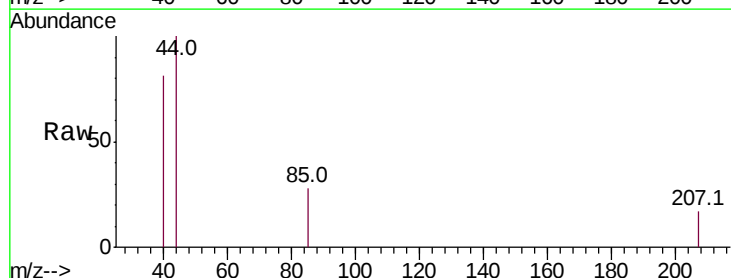
Acq: 27 Oct 2020 15:02

Tgt Ion: 85 Resp: 531

Ion Ratio Lower Upper

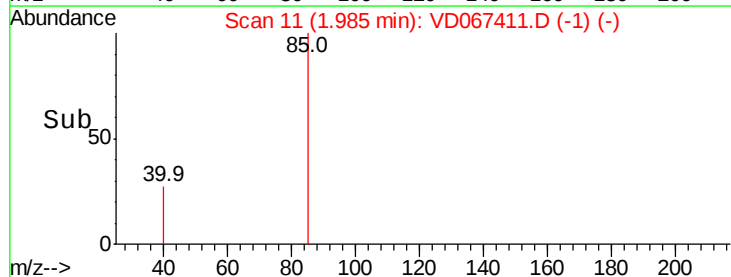
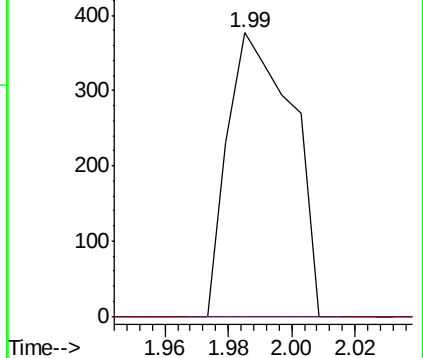
85 100

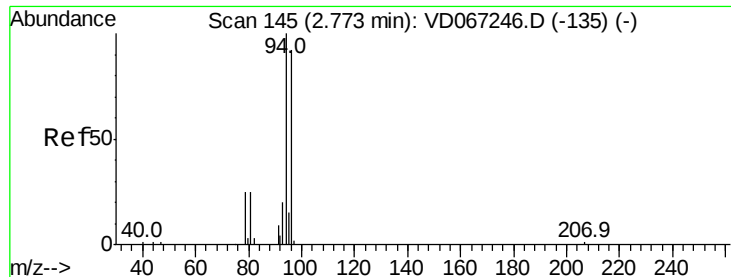
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

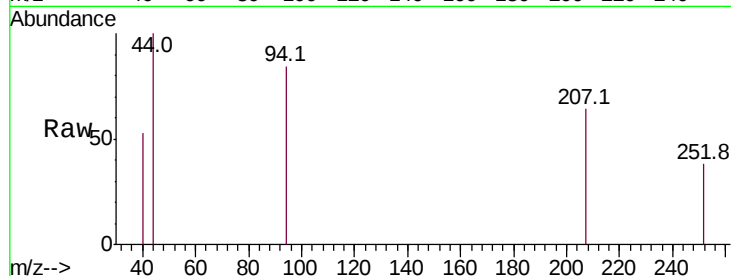
S-1A

Tot Ion: 94 Resp: 123

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

300

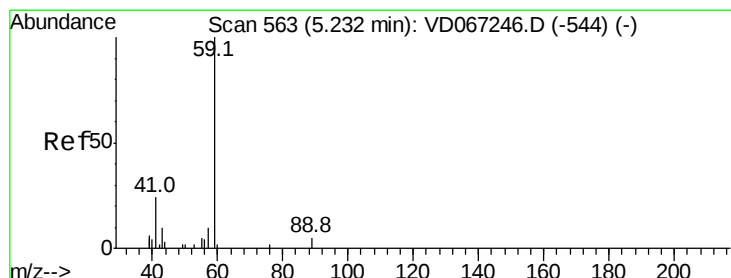
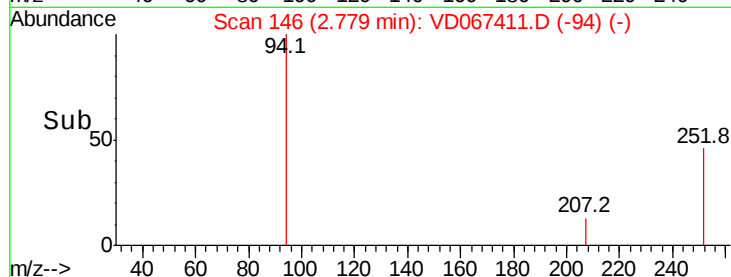
200

100

0

2.76 2.77 2.78 2.79

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067411.D

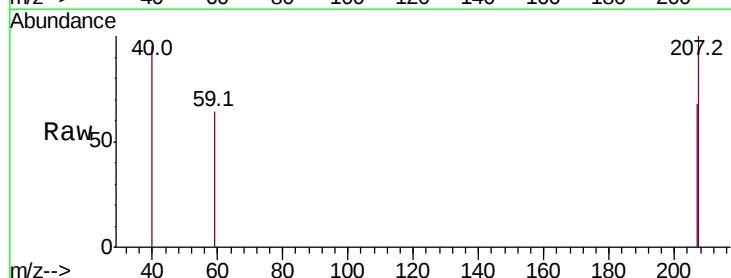
Acq: 27 Oct 2020 15:02

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

300

250

200

150

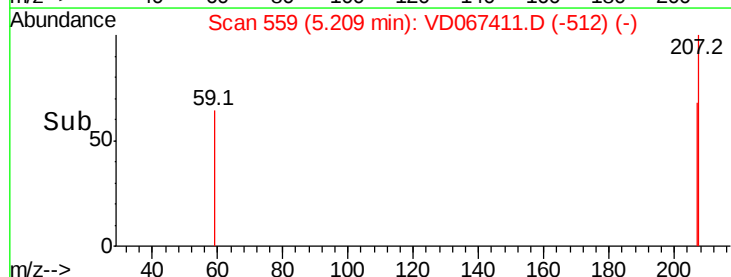
100

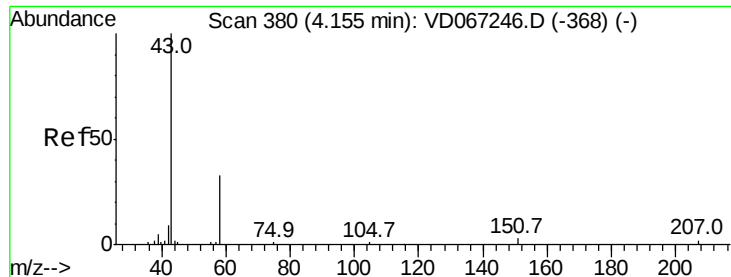
50

0

5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 7.312 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

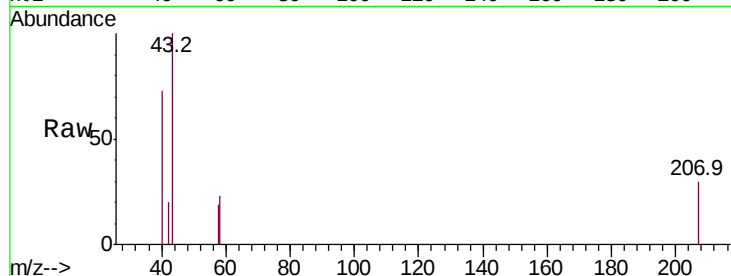
S-1A

Tot Ion: 43 Resp: 3025

Ion Ratio Lower Upper

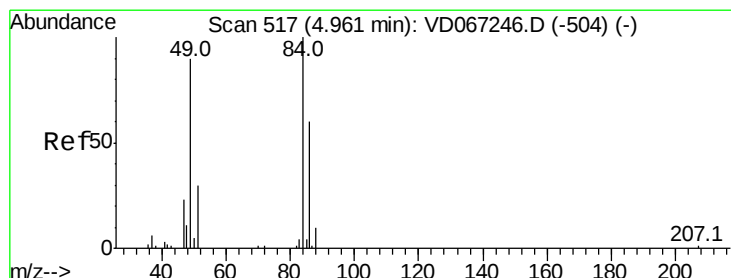
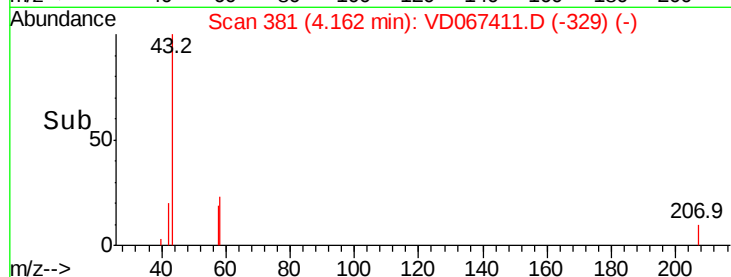
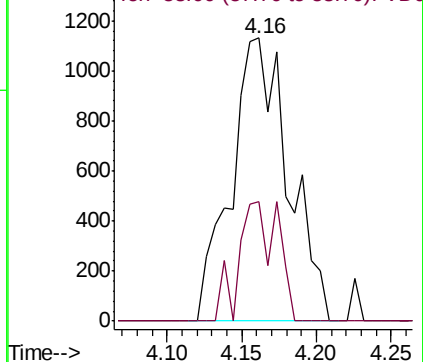
43 100

58 42.4 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Tgt Ion: 84 Resp: 7974

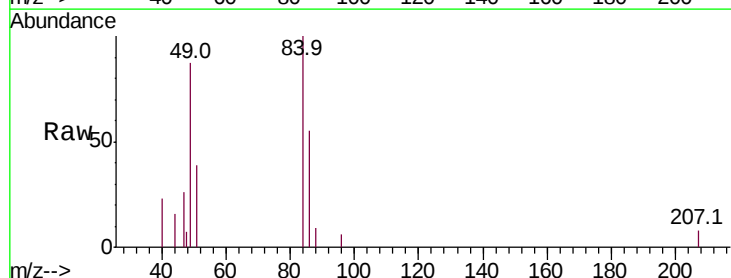
Ion Ratio Lower Upper

84 100

49 86.7 72.2 108.2

51 38.5 23.8 35.8#

86 55.1 48.2 72.4

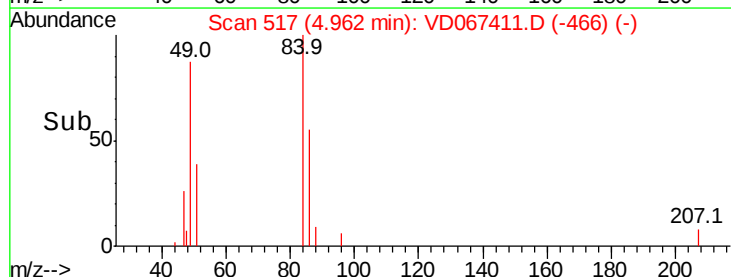
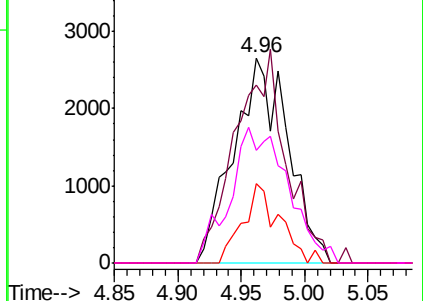


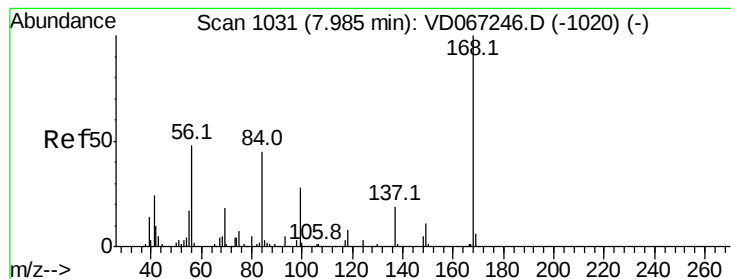
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.723 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleID :

S-1A

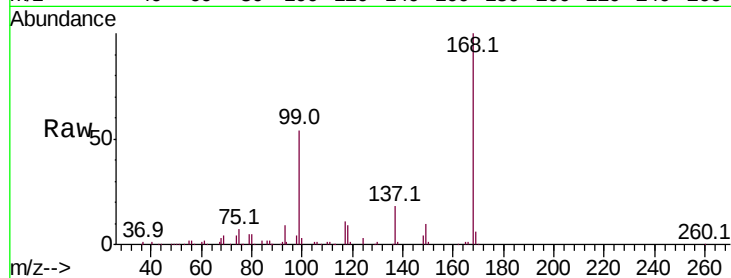
Tot Ion: 56 Resp: 5864

Ion Ratio Lower Upper

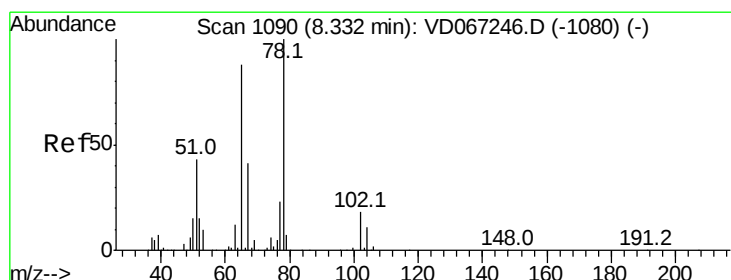
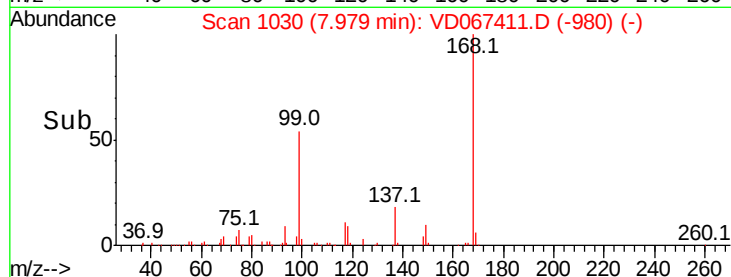
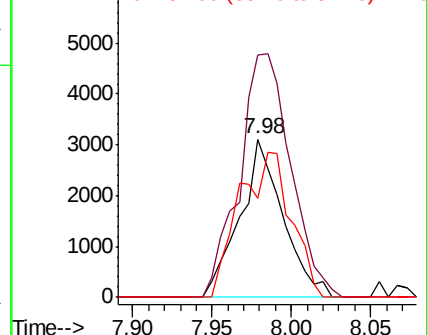
56 100

69 153.2 29.8 44.6#

84 62.8 76.6 114.8#



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: 52.084 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067411.D

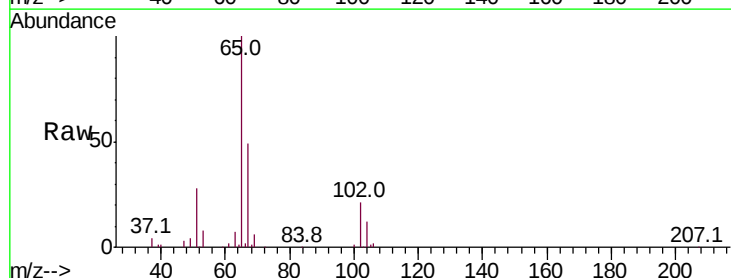
Acq: 27 Oct 2020 15:02

Tgt Ion: 65 Resp: 153860

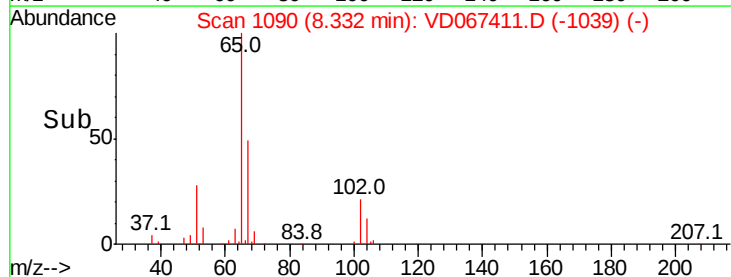
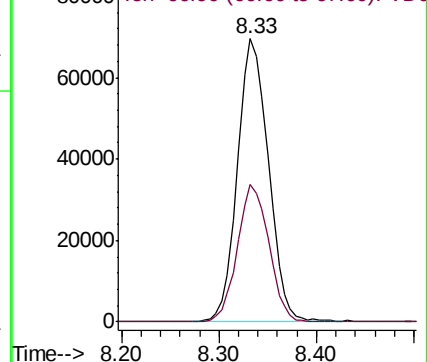
Ion Ratio Lower Upper

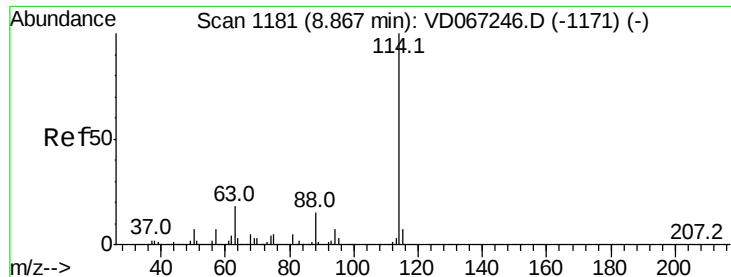
65 100

67 49.1 0.0 103.8



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

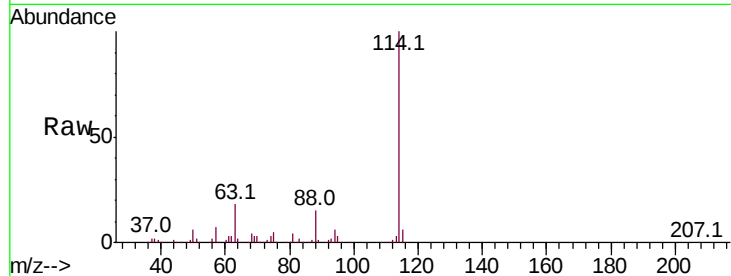




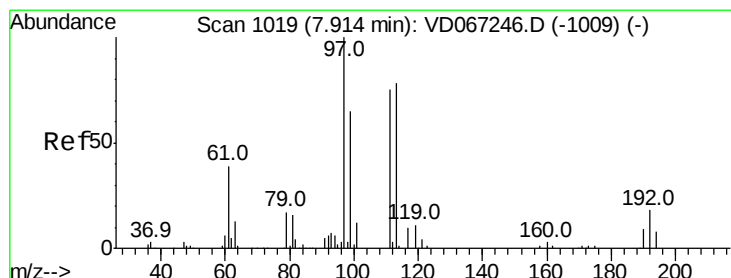
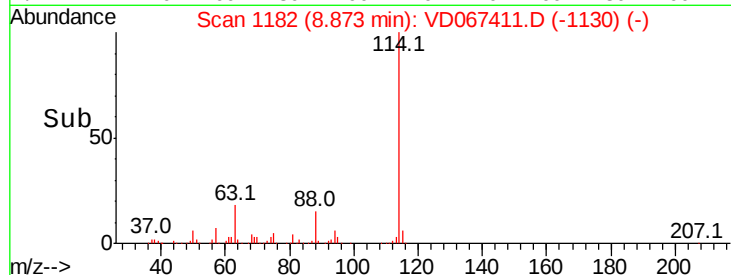
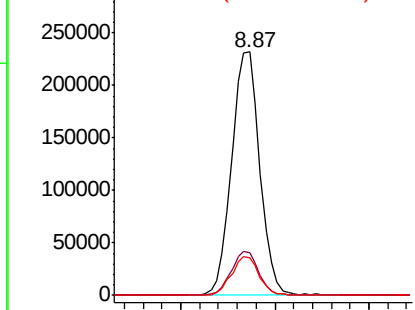
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067411.D
 Acq: 27 Oct 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.0
88	15.2	0.0	30.6

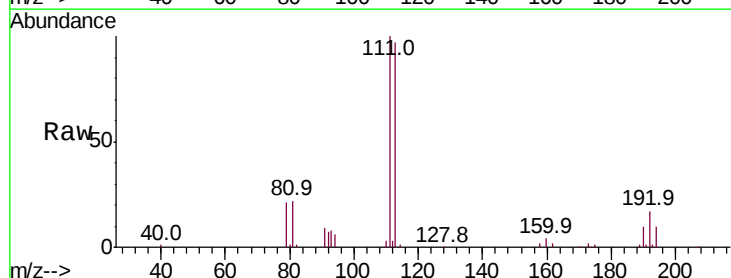


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

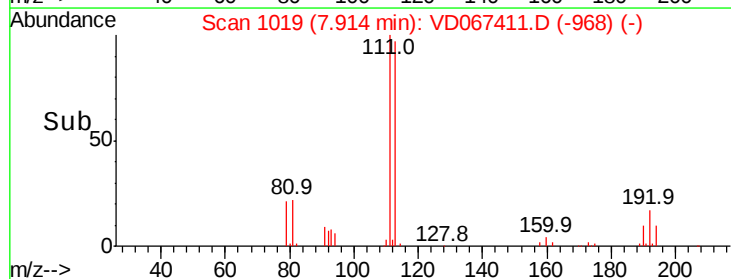
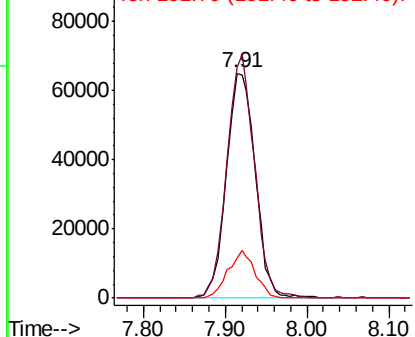


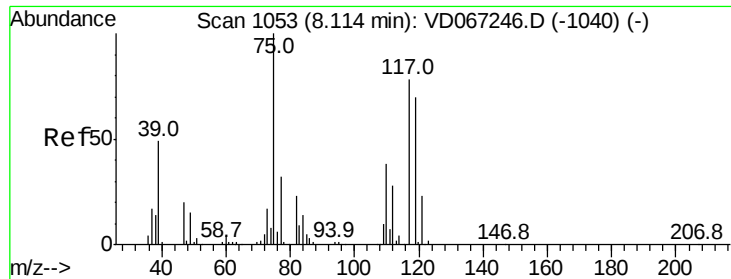
#35
 Dibromofluoromethane
 Concen: 49.744 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067411.D
 Acq: 27 Oct 2020 15:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.6	122.4
192	20.0	17.0	25.4



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

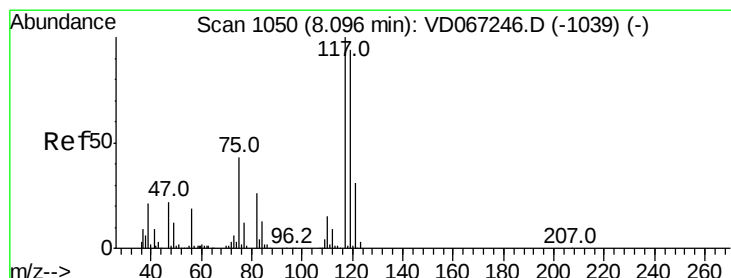
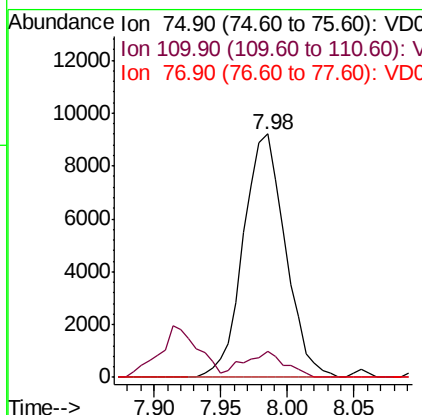
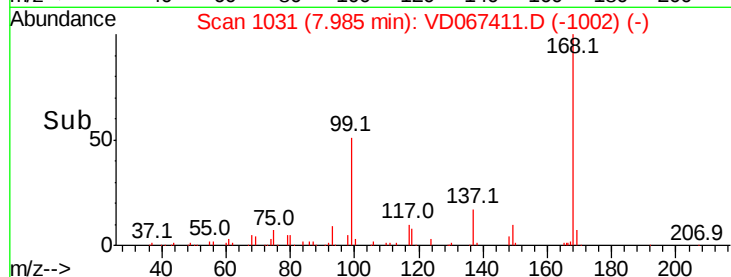
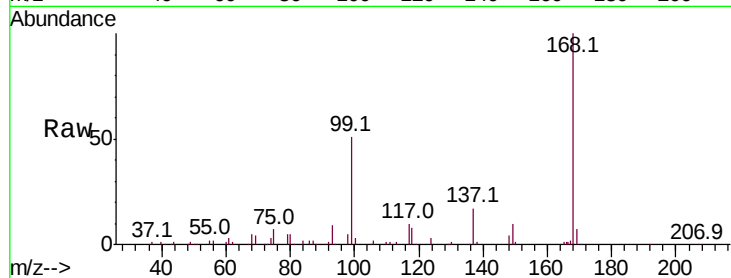




#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067411.D
 Acq: 27 Oct 2020 15:02

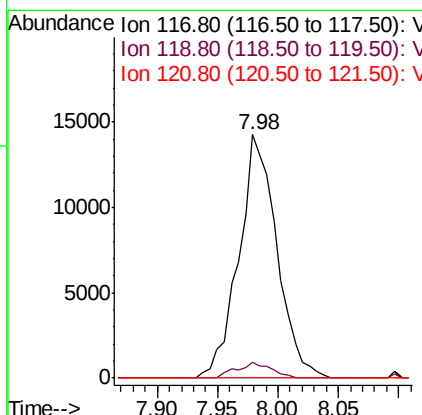
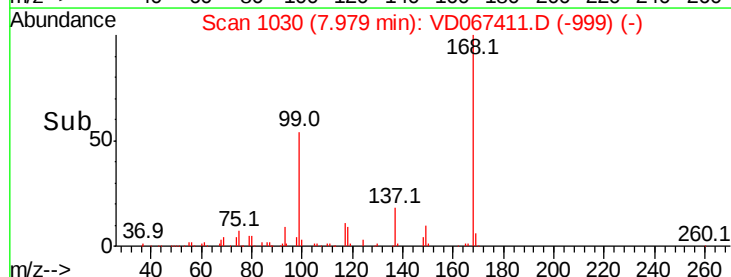
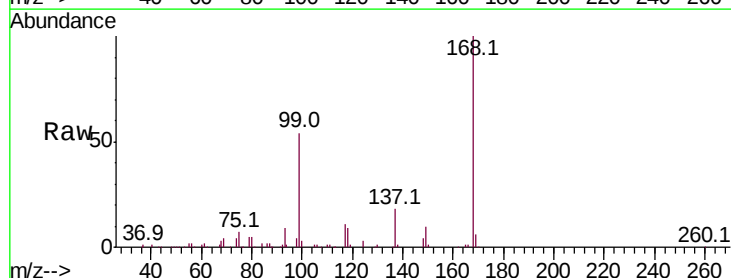
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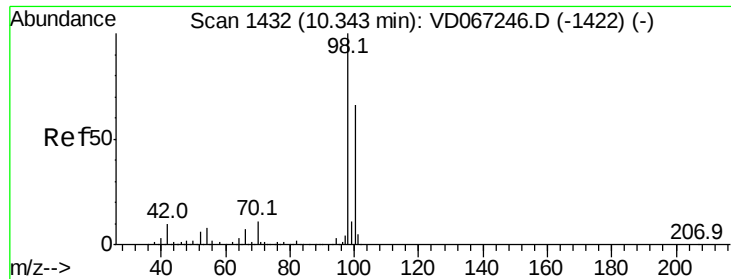
Tot Ion: 75 Resp: 20074
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.6 58.7#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.974 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067411.D
 Acq: 27 Oct 2020 15:02

Tgt Ion: 117 Resp: 31270
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.0 112.4#
 121 0.0 24.9 37.3#

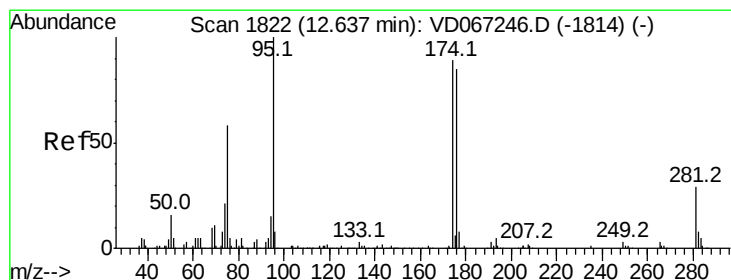
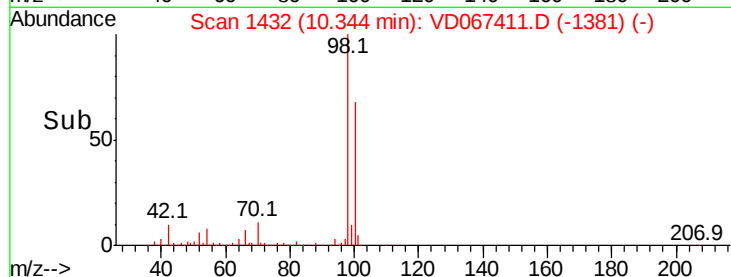
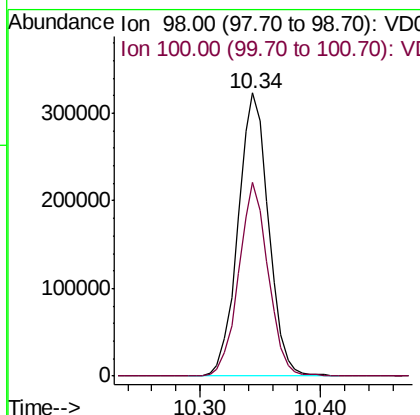
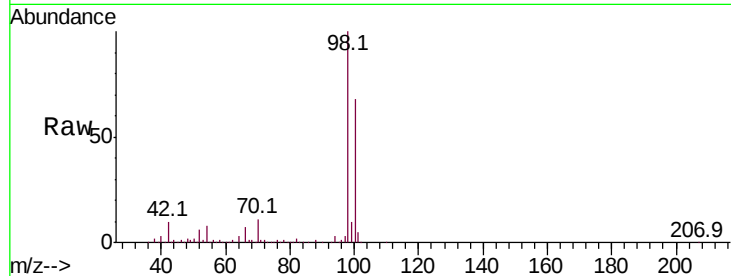




#50
Toluene-d8
Concen: 48.961 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067411.D
Acq: 27 Oct 2020 15:02

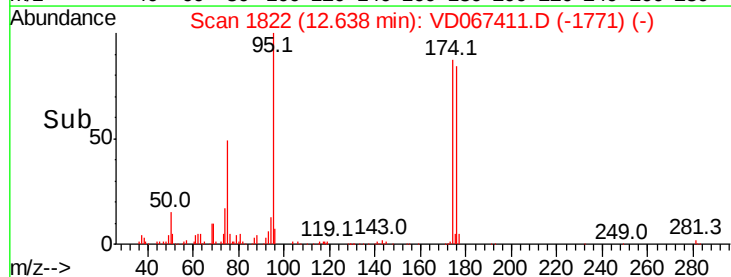
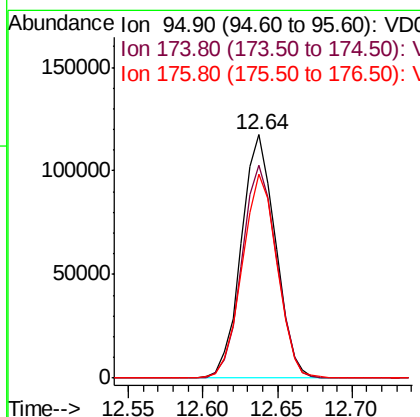
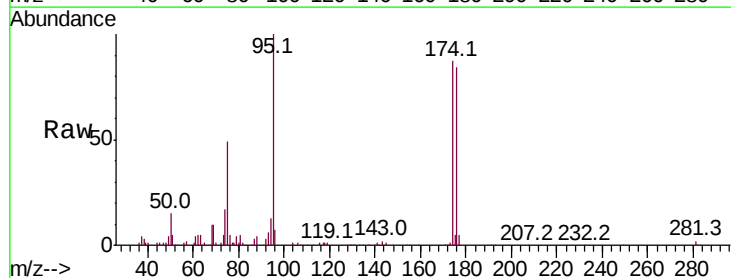
Instrument :
MSVOA_D
ClientSampleId :
S-1A

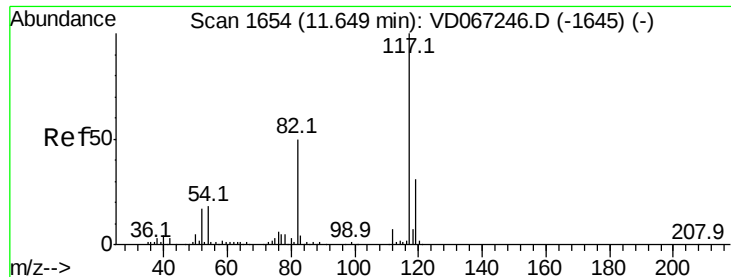
Tot Ion: 98 Resp: 569782
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.181 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067411.D
Acq: 27 Oct 2020 15:02

Tgt Ion: 95 Resp: 186876
Ion Ratio Lower Upper
95 100
174 88.8 0.0 175.2
176 85.3 0.0 168.6

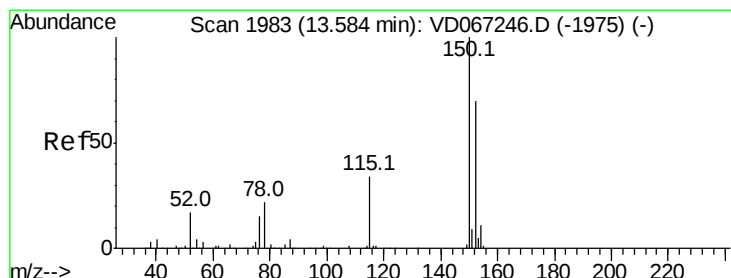
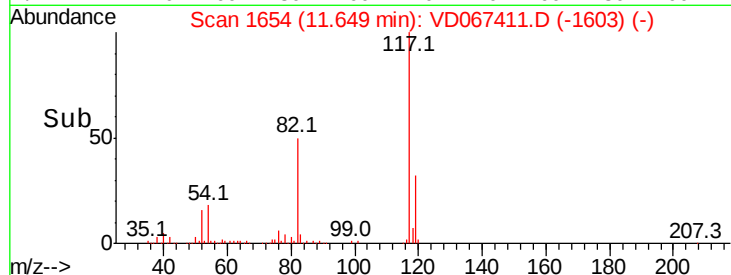
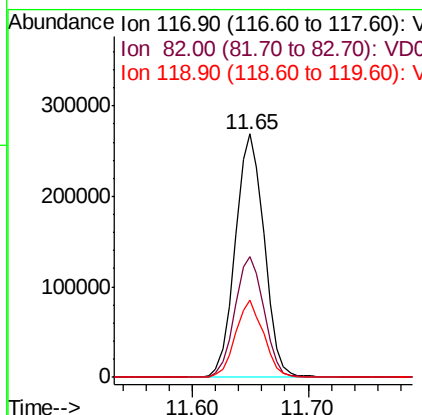
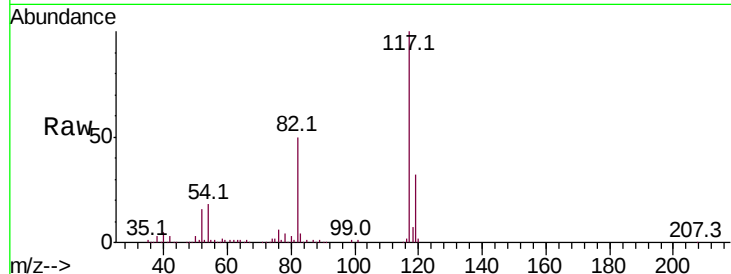




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067411.D
Acq: 27 Oct 2020 15:02

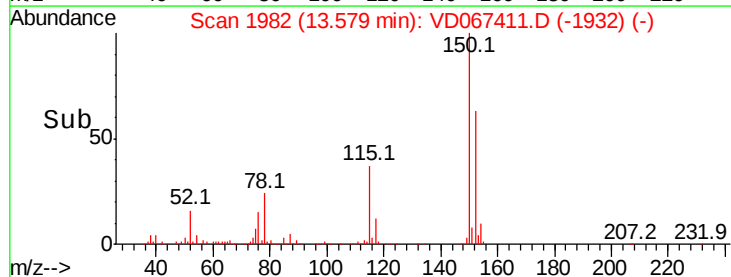
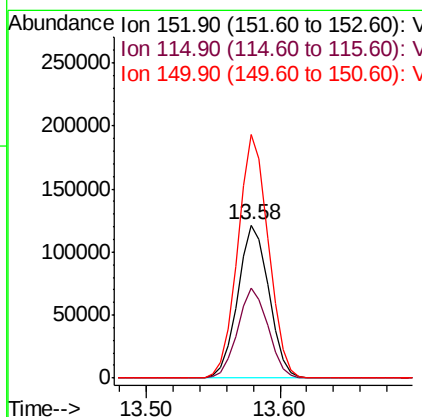
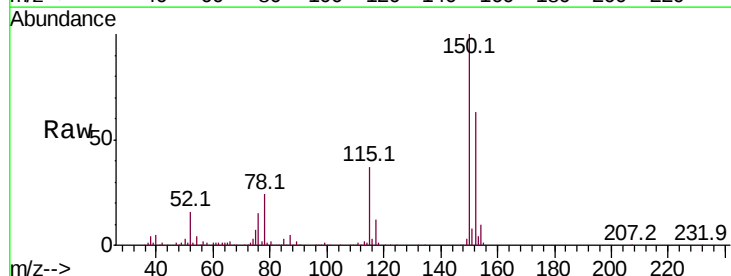
Instrument :
MSVOA_D
ClientSampleId :
S-1A

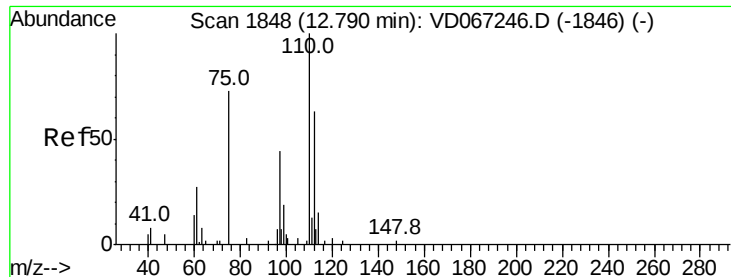
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	39.9	59.9
119	31.7	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067411.D
Acq: 27 Oct 2020 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.3	87.9
150	156.5	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 68.709 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

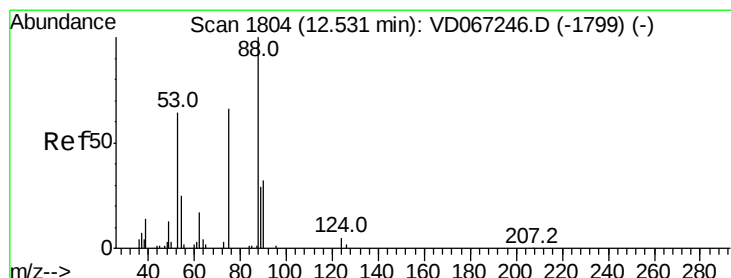
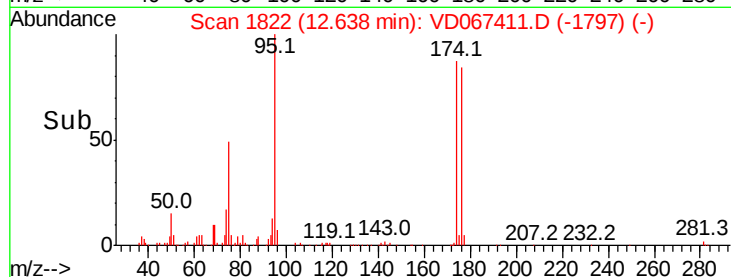
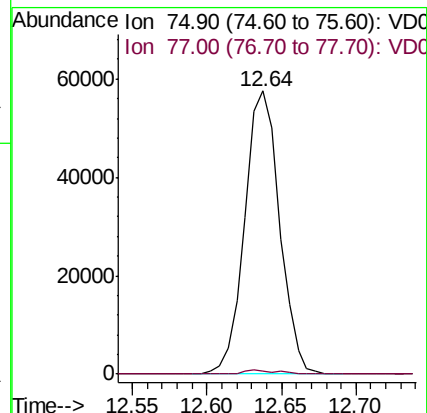
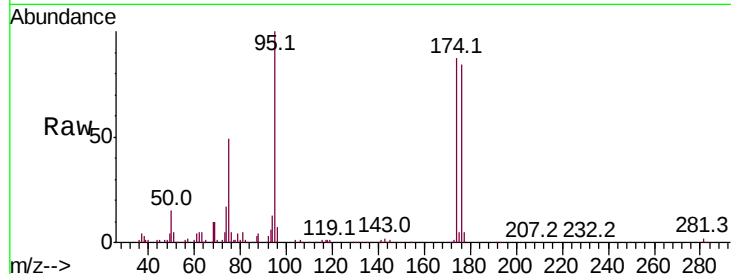
S-1A

Tot Ion: 75 Resp: 92873

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.812 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067411.D

Acq: 27 Oct 2020 15:02

Tgt Ion: 75 Resp: 92873

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

