

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067279.D
 Acq On : 15 Oct 2020 13:16
 Operator : VA/SY
 Sample : L4223-01
 Misc : 5.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-101420

Quant Time: Oct 16 01:01:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	318786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	546197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	520656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239524	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	179856	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
35) Dibromofluoromethane	7.92	113	182384	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.34	98	640271	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.64	95	217643	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

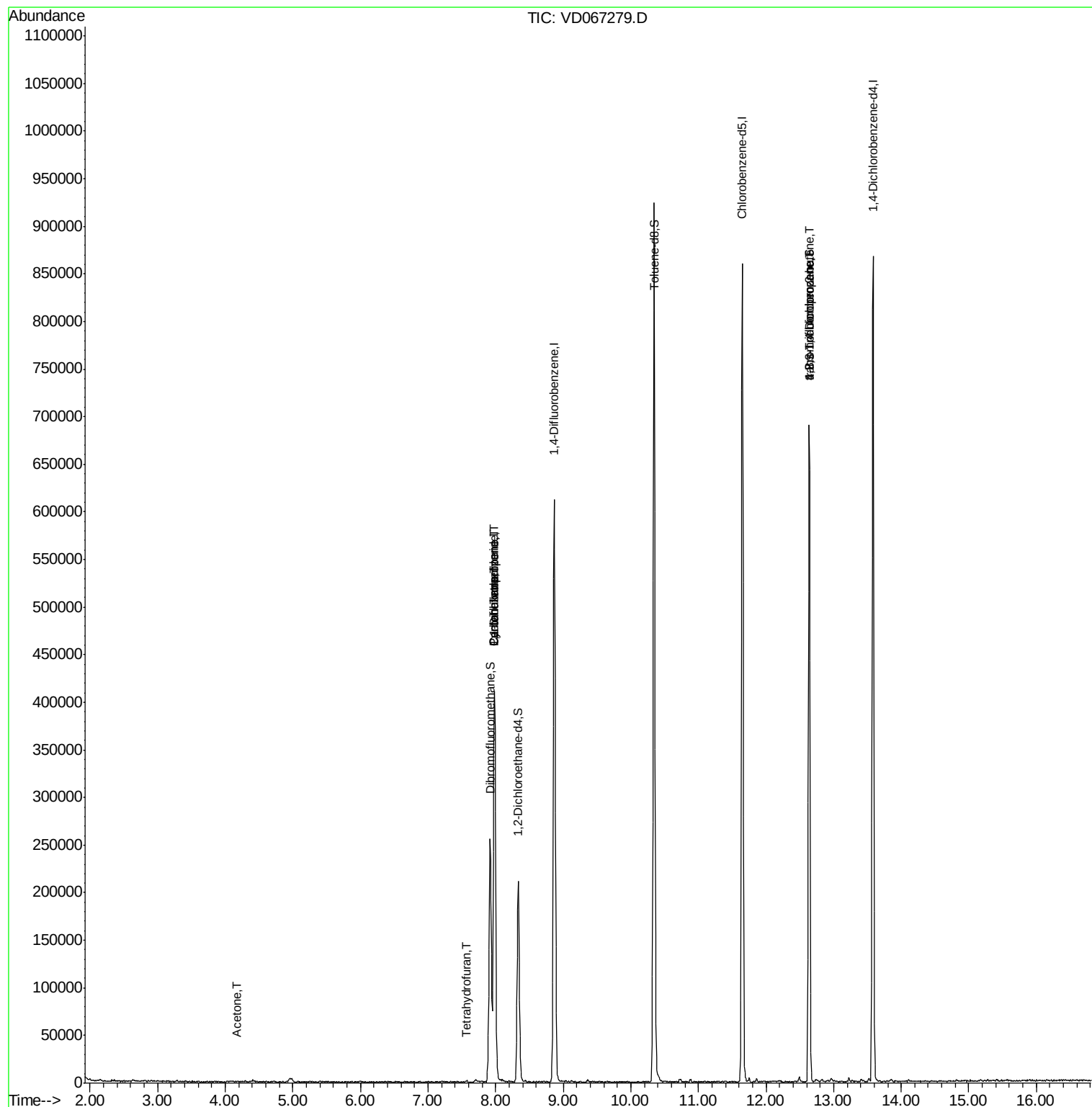
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	927	Below Cal	#	44
5) Bromomethane	2.77	94	649	Below Cal	#	54
16) Acetone	4.17	43	660	1.476	ug/l #	42
20) Methylene Chloride	4.97	84	3355	Below Cal	#	67
29) Tetrahydrofuran	7.56	42	440	1.552	ug/l #	26
31) Cyclohexane	7.98	56	6571	1.786	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	22134	4.781	ug/l #	43
38) Carbon Tetrachloride	7.98	117	32782	5.541	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	109046	65.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109046	148.955	ug/l #	10

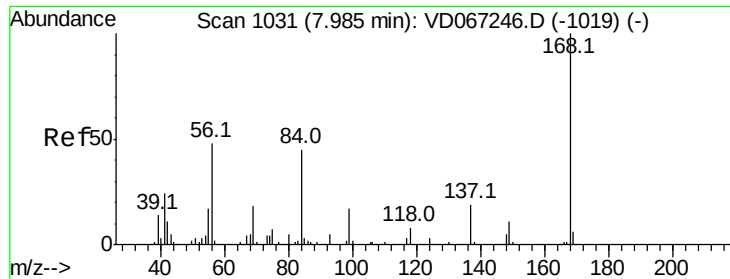
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 03:30:30 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: VD067279.D

Acq: 15 Oct 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

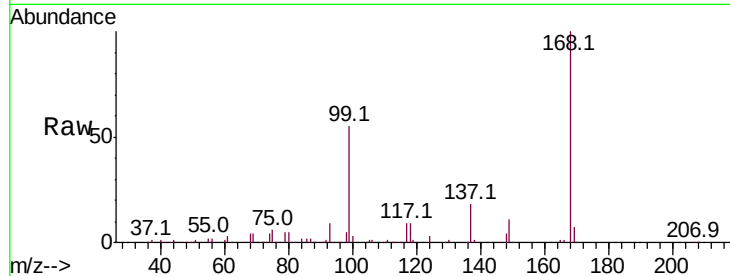
PL-01-101420

Tot Ion:168 Resp: 318786

Ion Ratio Lower Upper

168 100

99 55.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

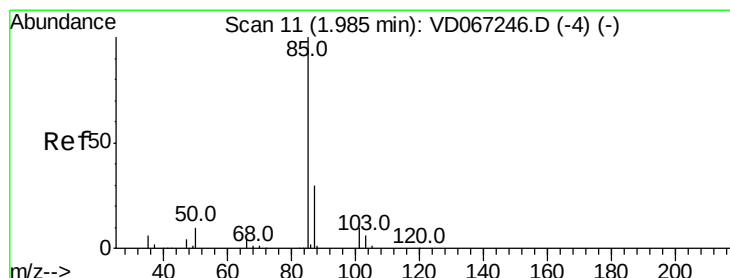
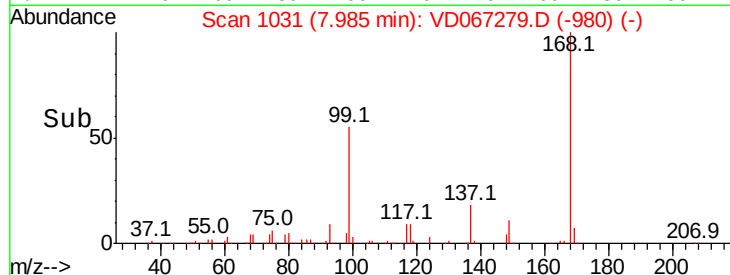
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067279.D

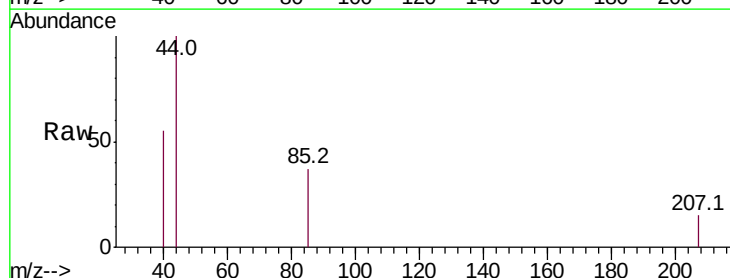
Acq: 15 Oct 2020 13:16

Tgt Ion: 85 Resp: 927

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

800

600

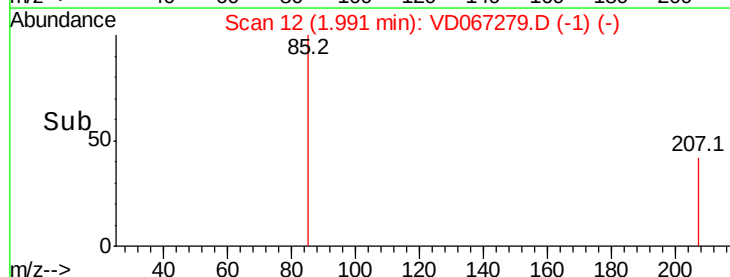
400

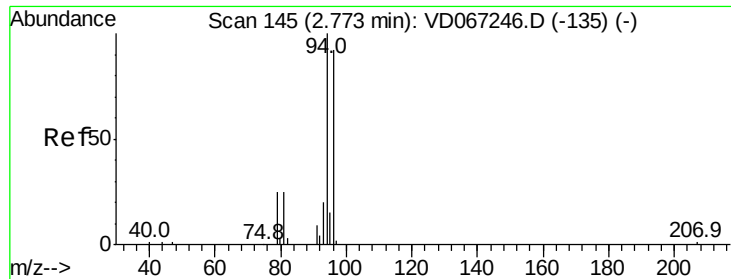
200

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

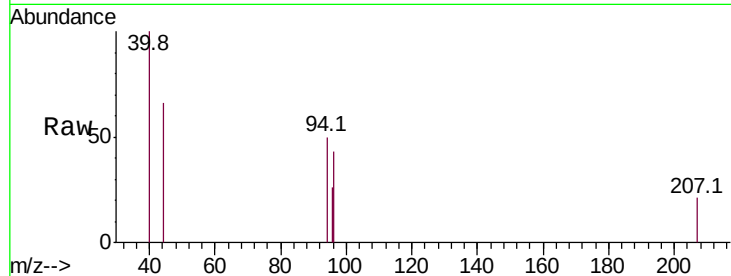
PL-01-101420

Tot Ion: 94 Resp: 649

Ion Ratio Lower Upper

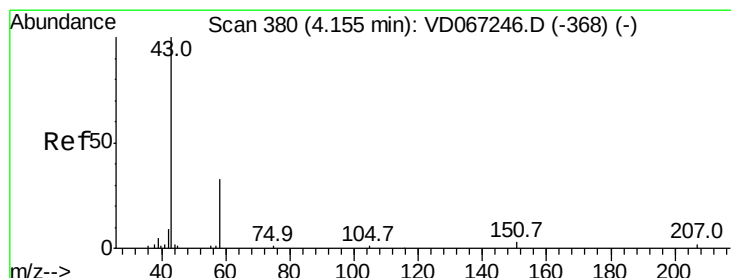
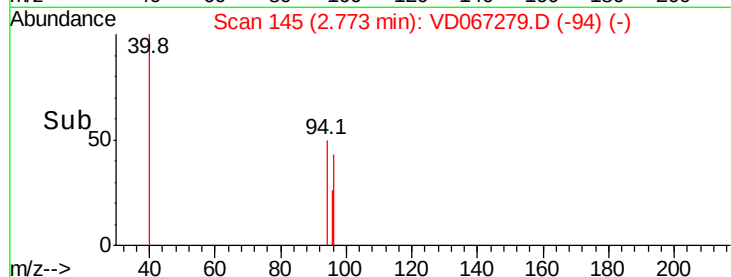
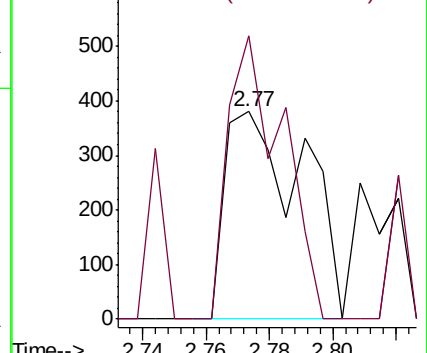
94 100

96 136.6 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.476 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067279.D

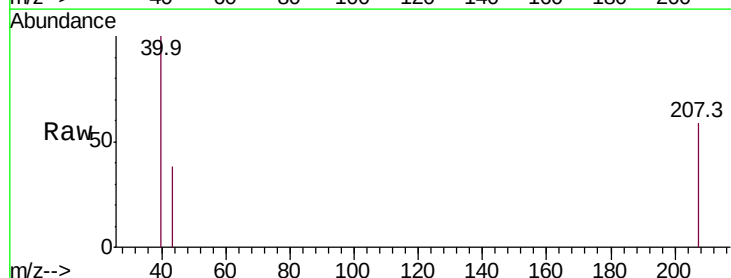
Acq: 15 Oct 2020 13:16

Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

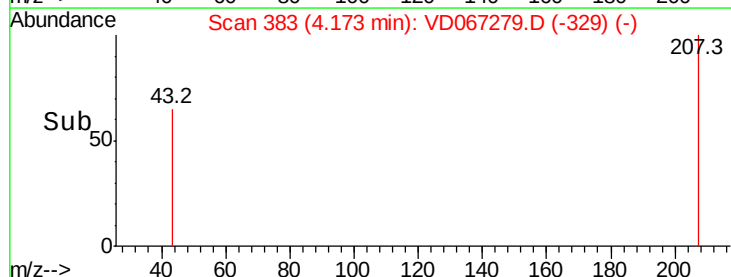
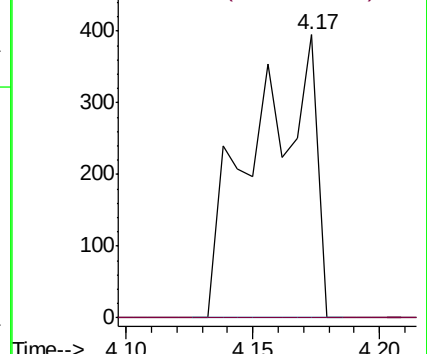
43 100

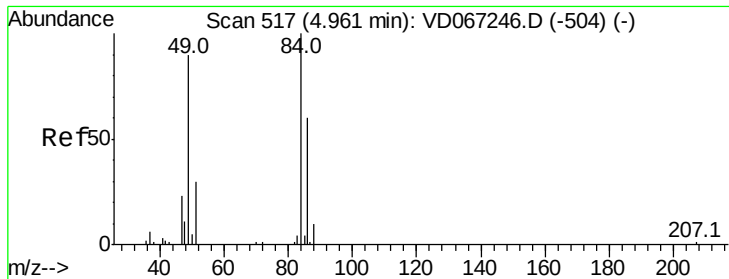
58 0.0 26.1 39.1#



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: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

PL-01-101420

Tot Ion: 84 Resp: 3355

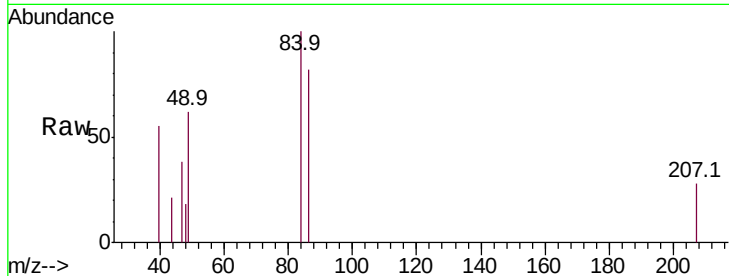
Ion Ratio Lower Upper

84 100

49 62.5 72.2 108.2#

51 0.0 23.8 35.8#

86 81.8 48.2 72.4#

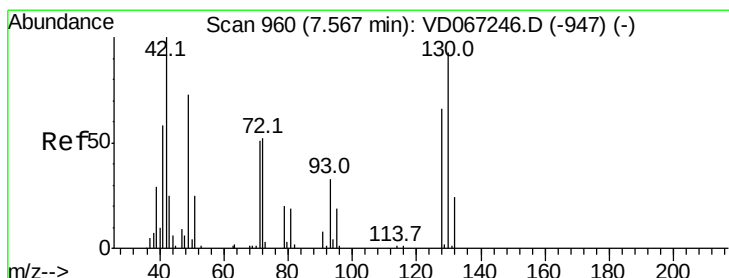
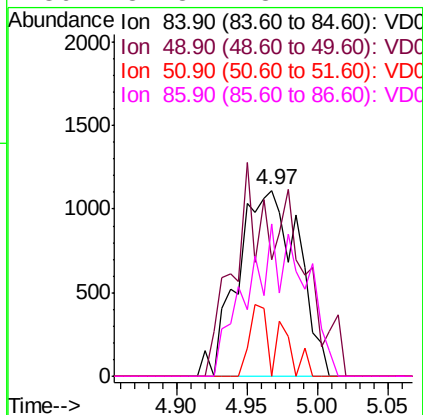
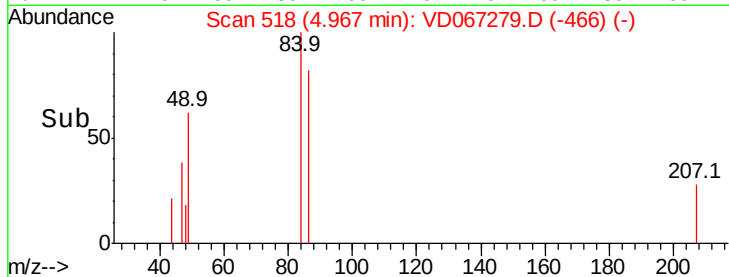


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#29

Tetrahydrofuran

Concen: 1.552 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

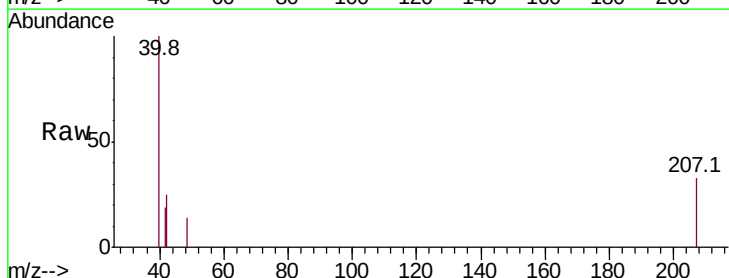
Tgt Ion: 42 Resp: 440

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

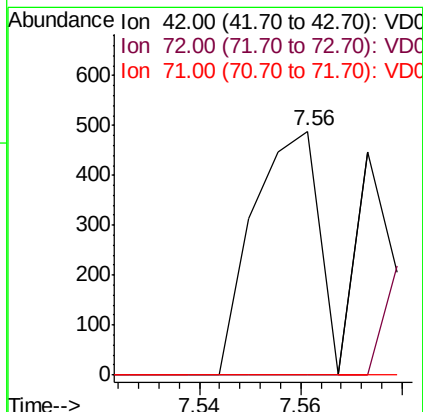
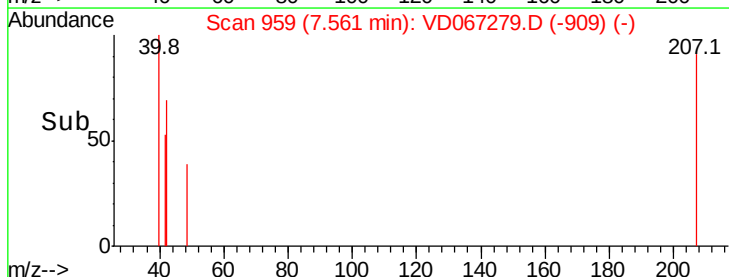
71 0.0 39.4 59.0#

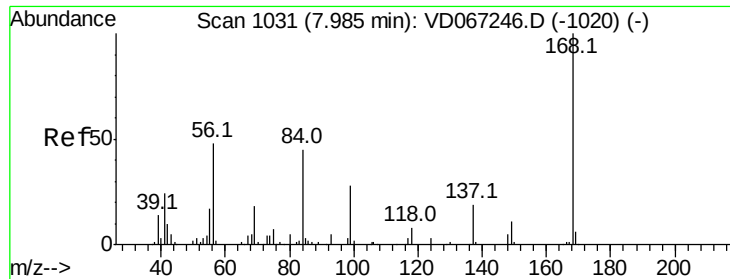


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

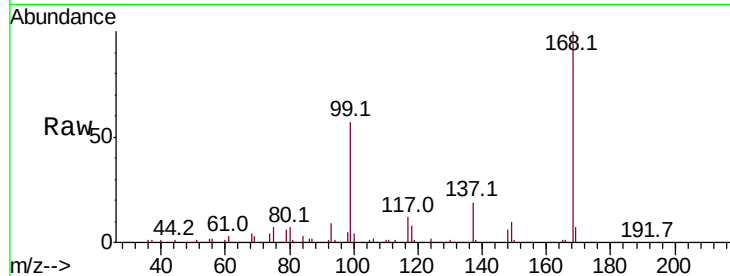




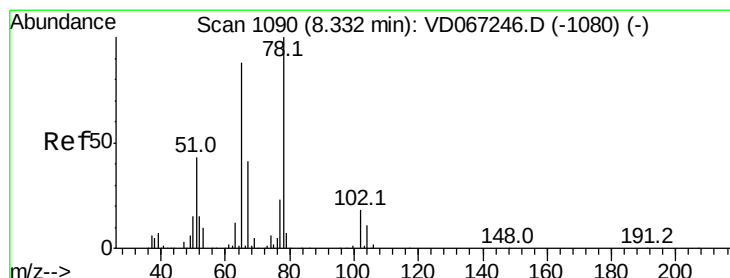
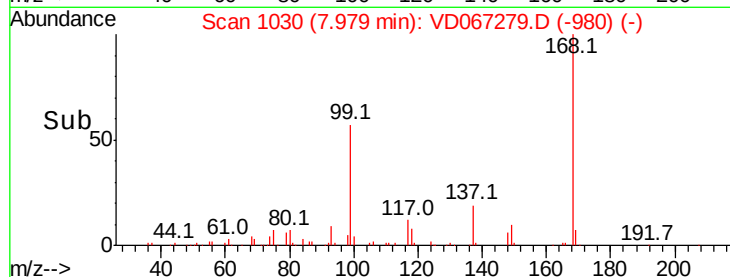
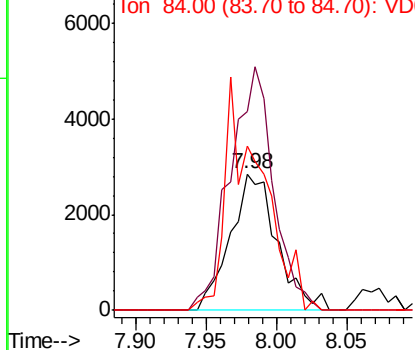
#31
Cyclohexane
Concen: 1.786 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
PL-01-101420

Tot Ion: 56 Resp: 6571
Ion Ratio Lower Upper
56 100
69 145.2 29.8 44.6#
84 120.4 76.6 114.8#

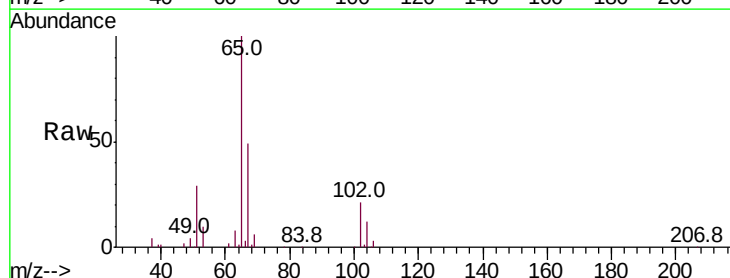


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

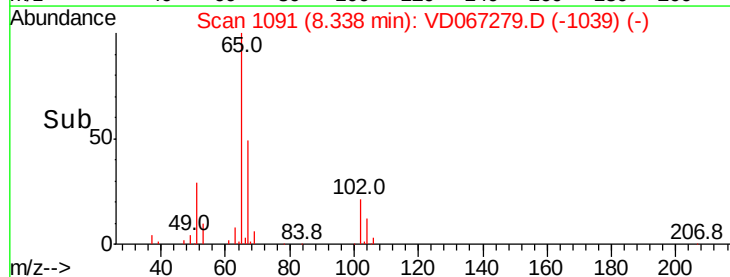
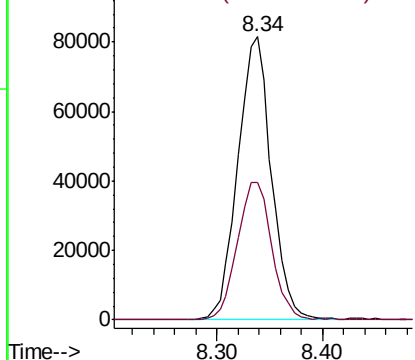


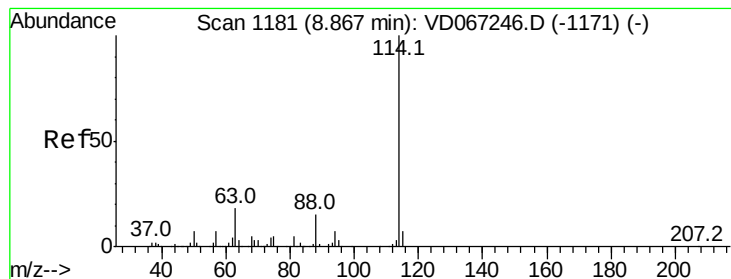
#33
1,2-Dichloroethane-d4
Concen: 56.315 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

Tgt Ion: 65 Resp: 179856
Ion Ratio Lower Upper
65 100
67 49.8 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# 1181

Delta R.T. 0.00 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

PL-01-101420

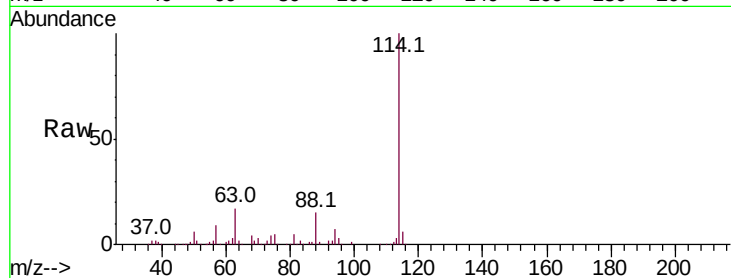
Tot Ion:114 Resp: 546197

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

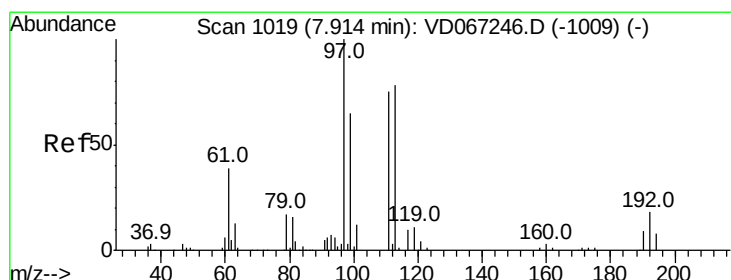
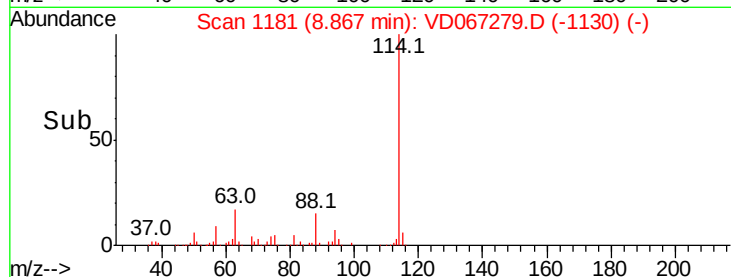
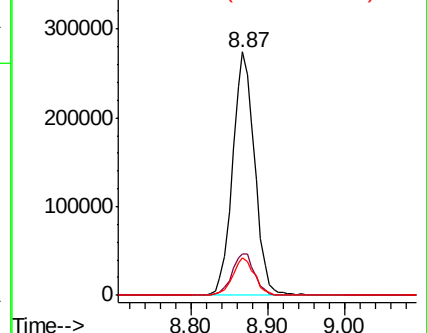
88 15.3 0.0 30.6



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: 50.175 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

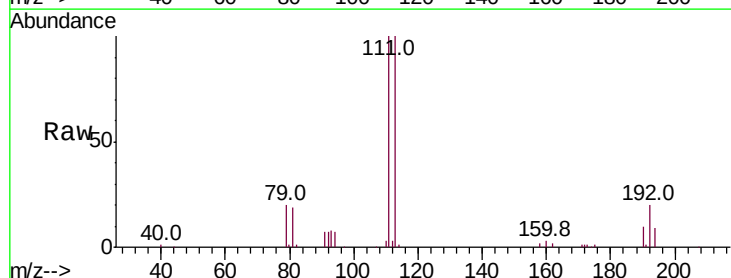
Tgt Ion:113 Resp: 182384

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

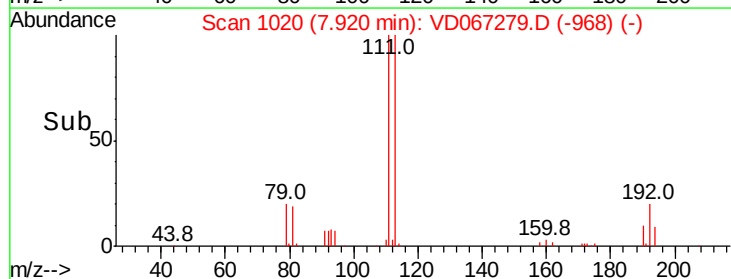
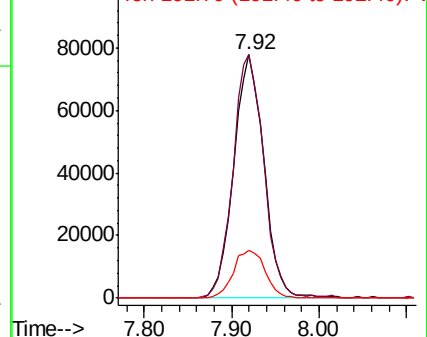
192 20.7 17.0 25.4

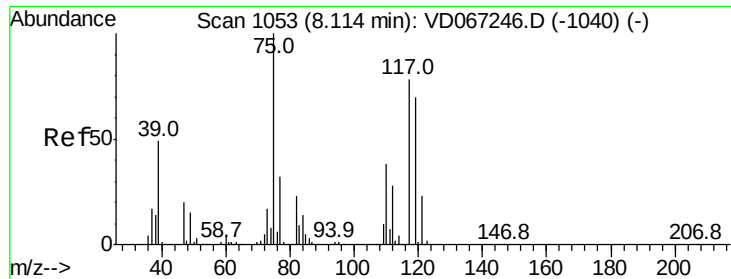


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 7.98 min Scan# 1030

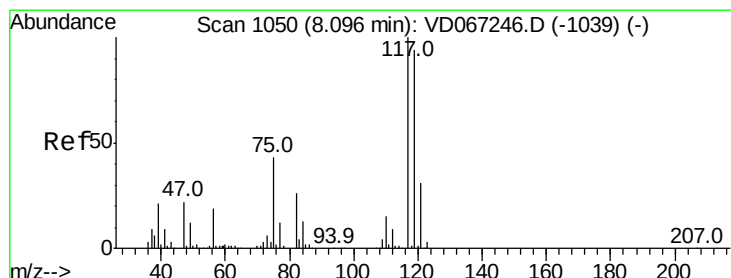
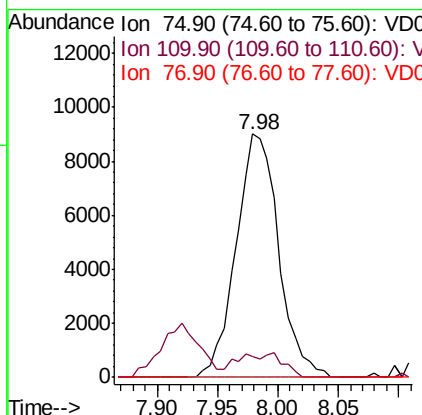
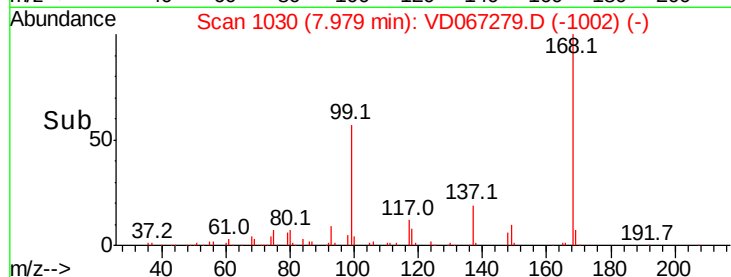
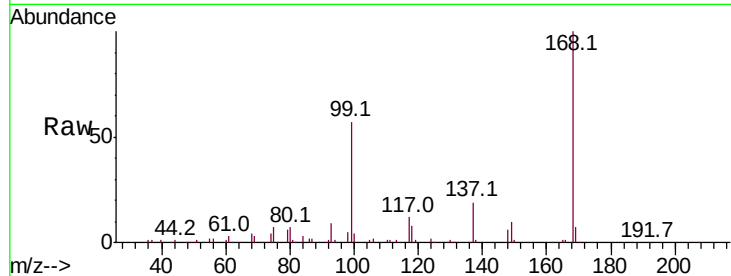
Delta R.T. -0.13 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :
PL-01-101420

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.6	19.6	58.7#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

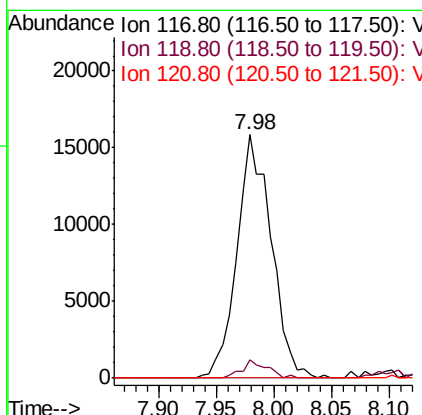
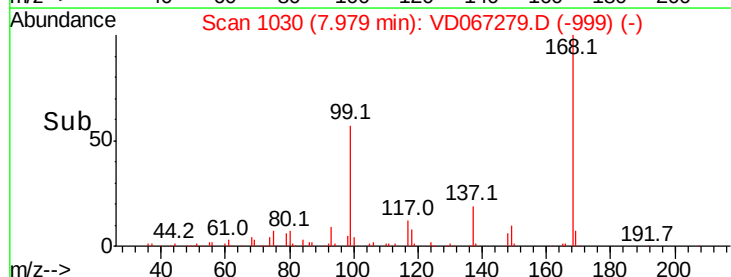
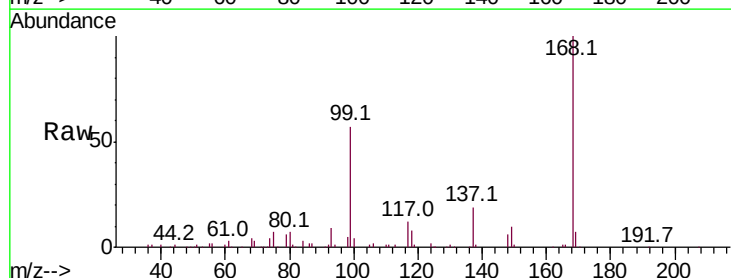
RT: 7.98 min Scan# 1030

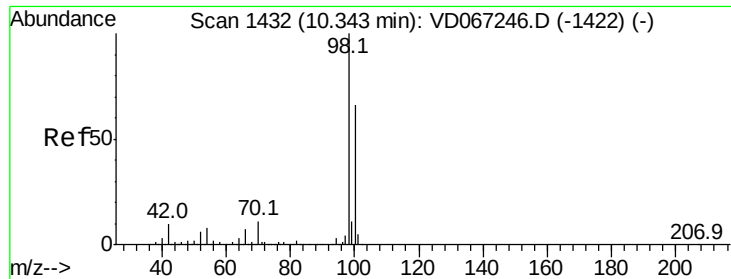
Delta R.T. -0.12 min

Lab File: VD067279.D

Acq: 15 Oct 2020 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	75.0	112.4#
121	0.0	24.9	37.3#

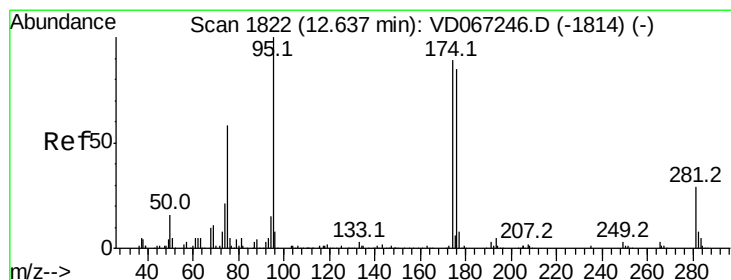
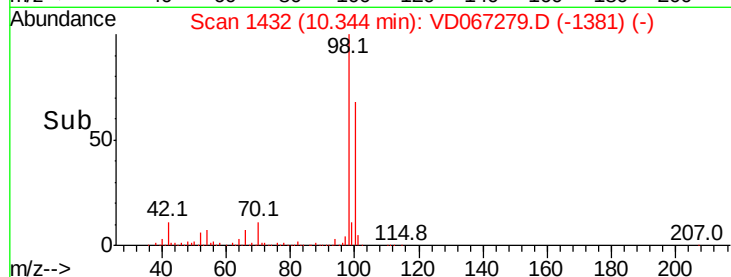
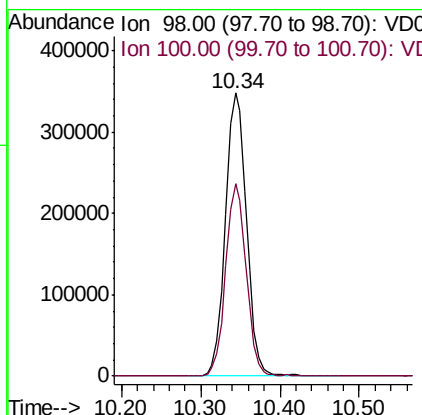
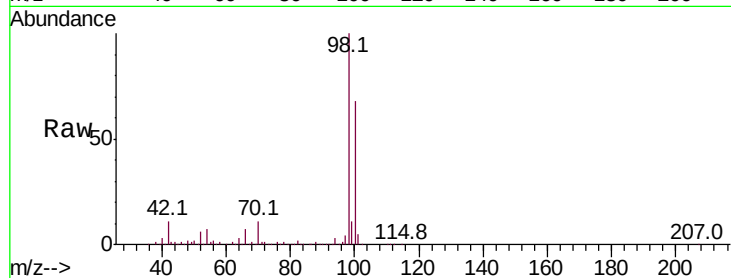




#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

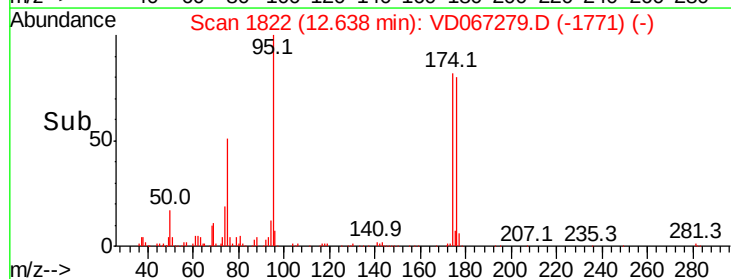
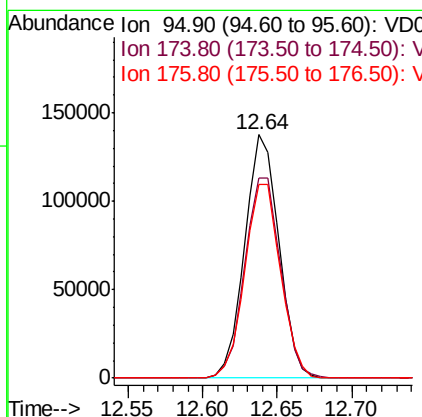
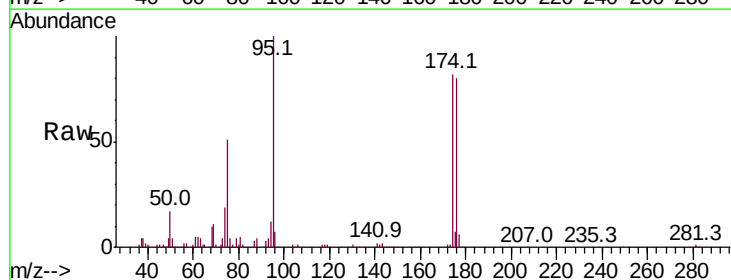
Instrument :
MSVOA_D
ClientSampleId :
PL-01-101420

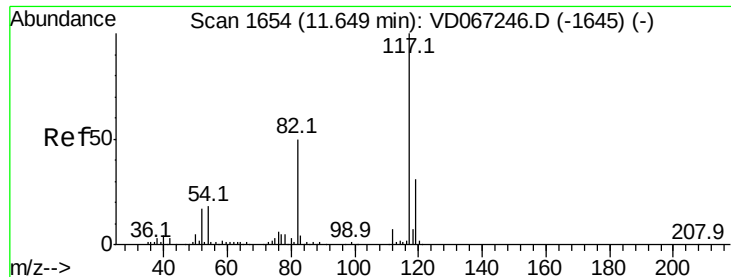
Tot Ion: 98 Resp: 640271
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 47.581 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

Tgt Ion: 95 Resp: 217643
Ion Ratio Lower Upper
95 100
174 86.6 0.0 175.2
176 83.7 0.0 168.6

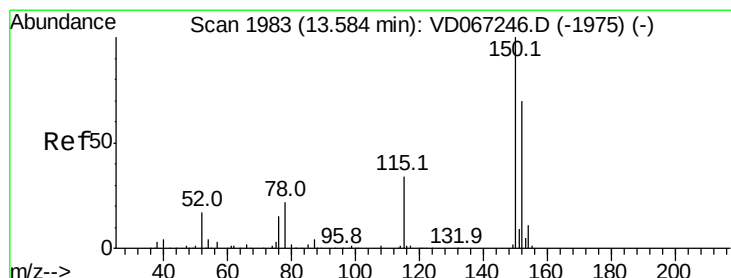
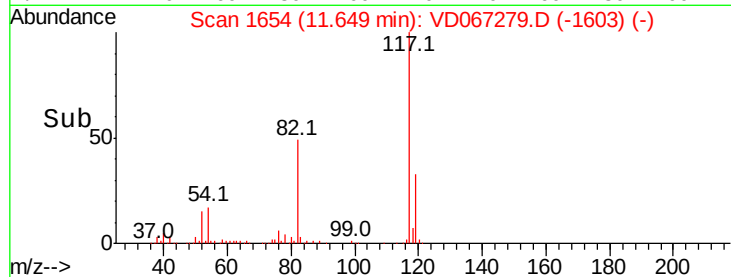
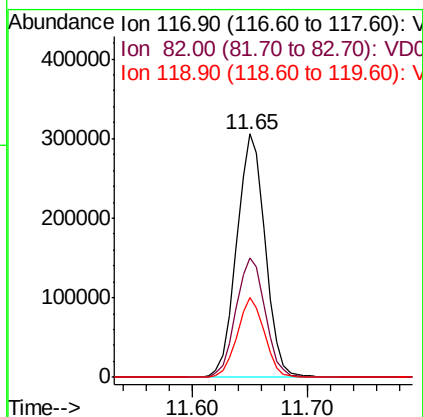
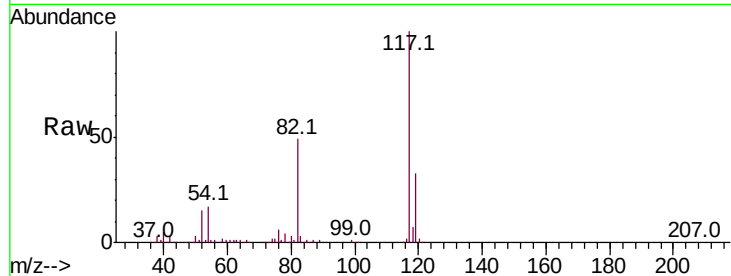




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

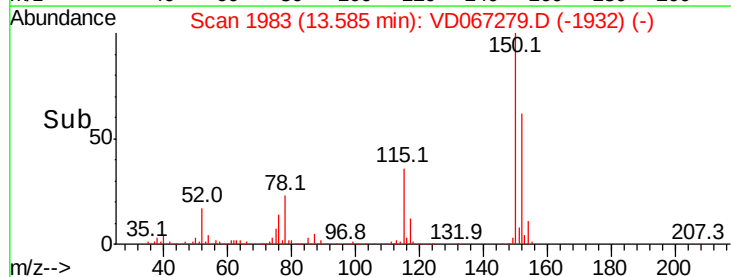
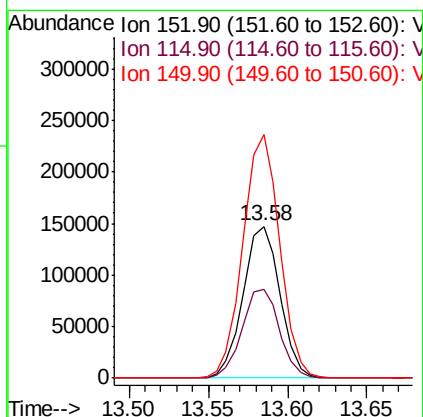
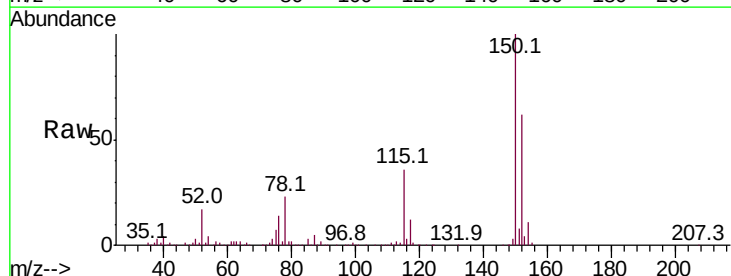
Instrument :
MSVOA_D
ClientSampleId :
PL-01-101420

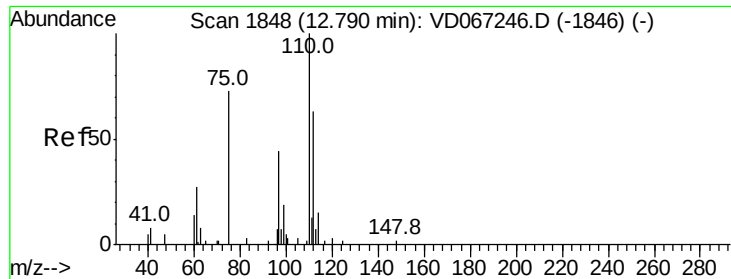
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	39.9	59.9
119	32.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067279.D
Acq: 15 Oct 2020 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	87.9
150	159.2	0.0	339.0

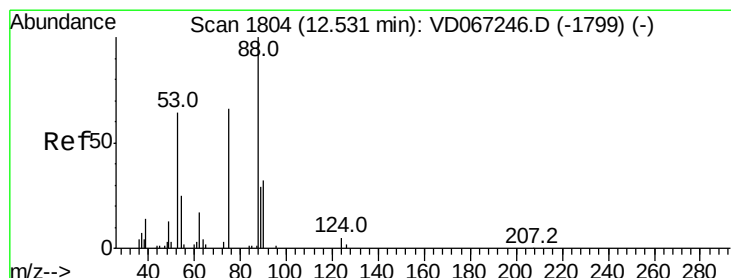
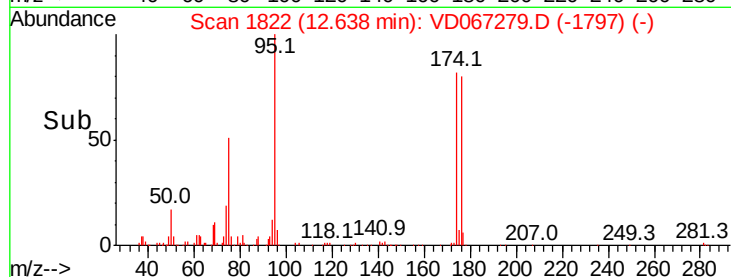
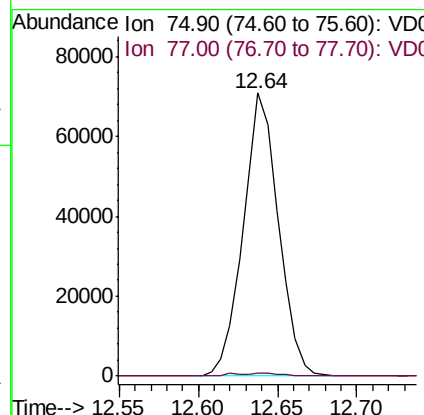
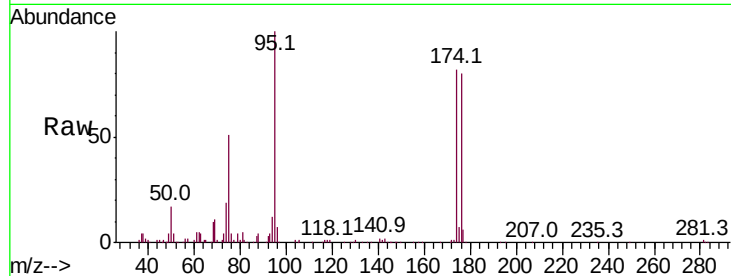




#76
 1,2,3-Trichloropropane
 Concen: 65.685 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067279.D
 Acq: 15 Oct 2020 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-101420

Tot Ion: 75 Resp: 109046
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.955 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067279.D
 Acq: 15 Oct 2020 13:16

Tgt Ion: 75 Resp: 109046
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 39.9 59.9#

