

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067328.D
 Acq On : 20 Oct 2020 17:07
 Operator : VA/SY
 Sample : L4436-08
 Misc : 9.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 36A

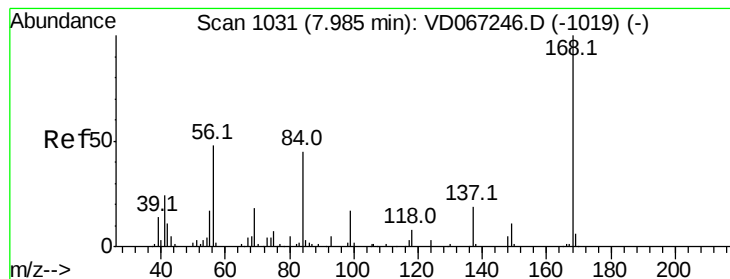
Quant Time: Oct 21 01:51:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	305093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	520625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230856	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	172275	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
35) Dibromofluoromethane	7.92	113	173549	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	10.34	98	622650	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	213758	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	225	Below Cal	#	55
11) Tert butyl alcohol	5.26	59	54	Below Cal	#	81
16) Acetone	4.17	43	1768	4.130	ug/l #	82
18) Methyl Acetate	4.72	43	1314	1.346	ug/l #	56
20) Methylene Chloride	4.97	84	2171	Below Cal	#	38
29) Tetrahydrofuran	7.57	42	955	3.521	ug/l #	82
31) Cyclohexane	7.98	56	6032	1.713	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	22850	5.071	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31545	5.478	ug/l #	19
51) 4-Methyl-2-Pentanone	10.35	43	2038	1.553	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108509	67.816	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108509	153.786	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

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ClientSampleId :

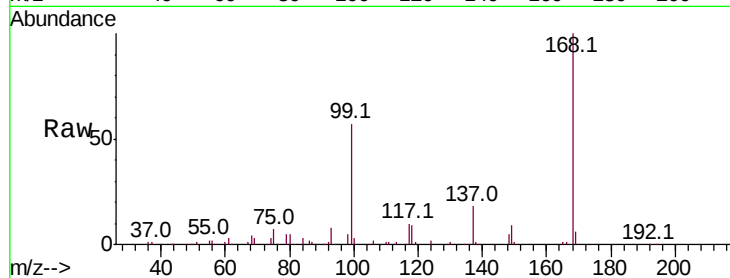
36A

Tot Ion:168 Resp: 305093

Ion Ratio Lower Upper

168 100

99 57.2 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

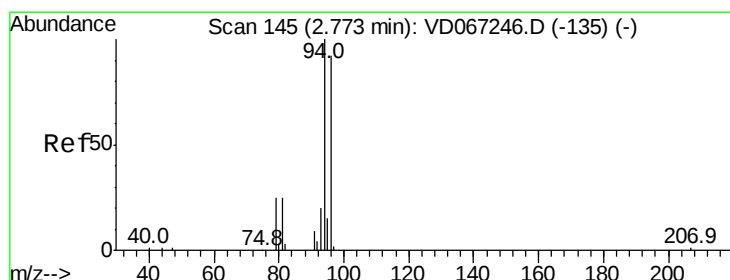
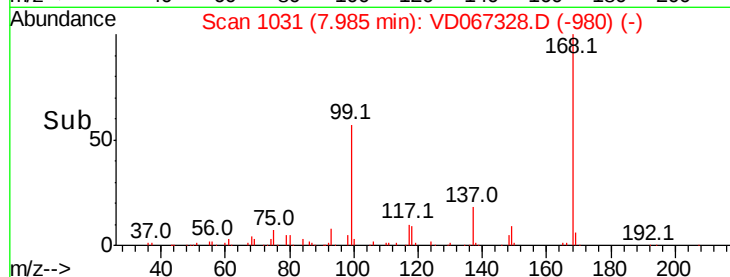
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067328.D

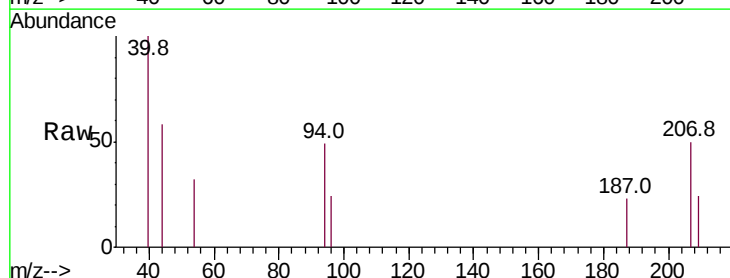
Acq: 20 Oct 2020 17:07

Tgt Ion: 94 Resp: 225

Ion Ratio Lower Upper

94 100

96 48.9 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

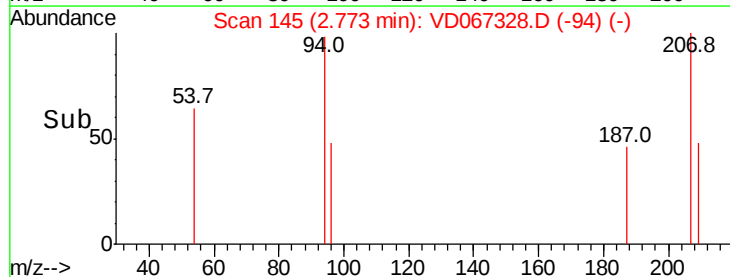
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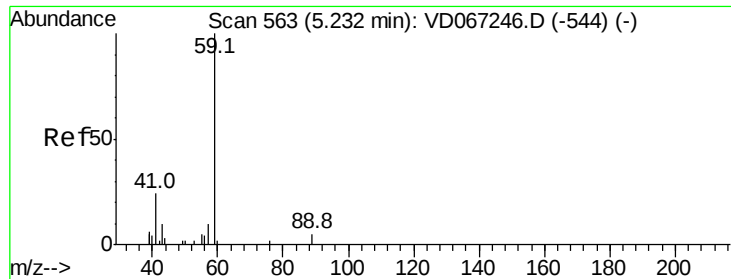
100

0

Time-->

2.76 2.77 2.78 2.79



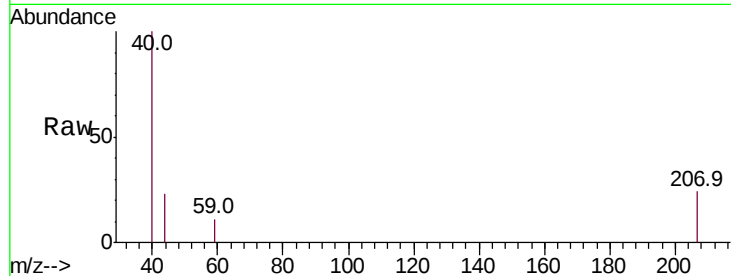


#11

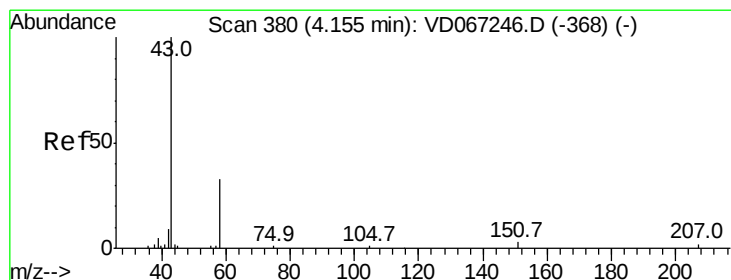
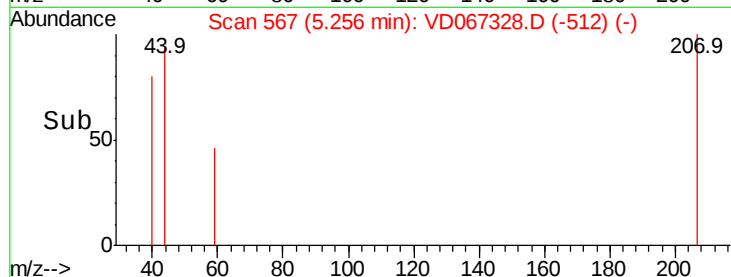
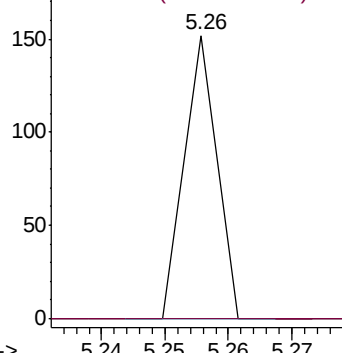
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VD067328.D
 Acq: 20 Oct 2020 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 36A

Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#



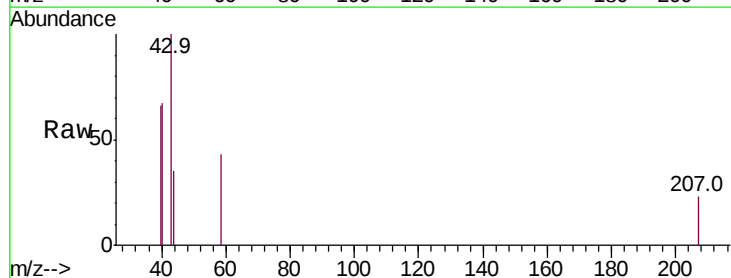
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



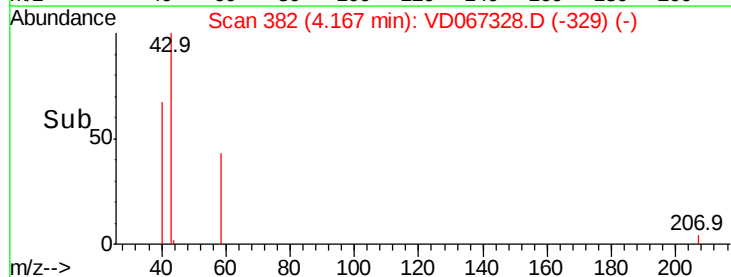
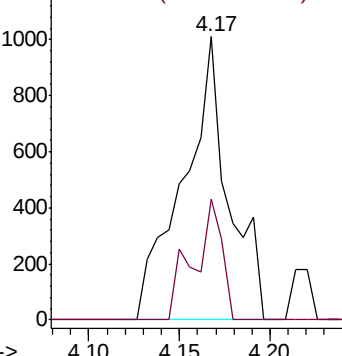
#16

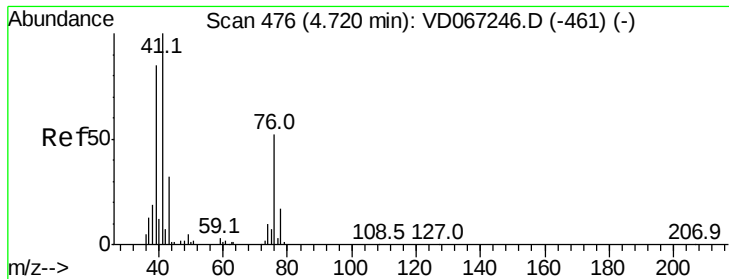
Acetone
 Concen: 4.130 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD067328.D
 Acq: 20 Oct 2020 17:07

Tgt Ion: 43 Resp: 1768
 Ion Ratio Lower Upper
 43 100
 58 42.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

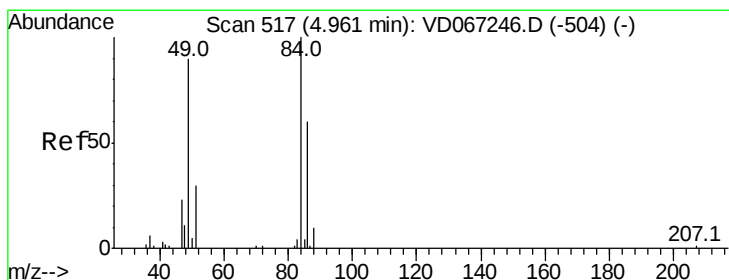
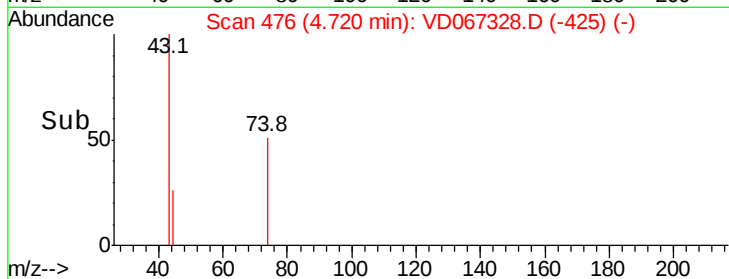
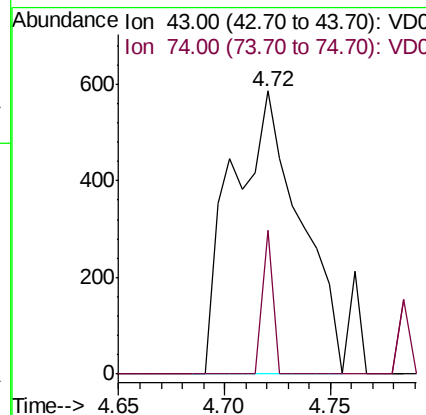
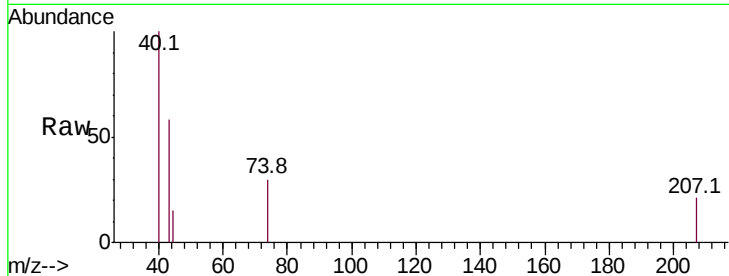




#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

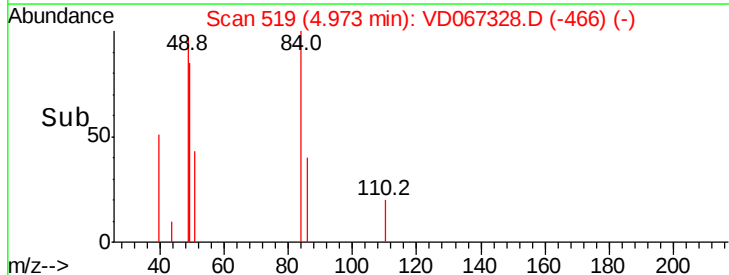
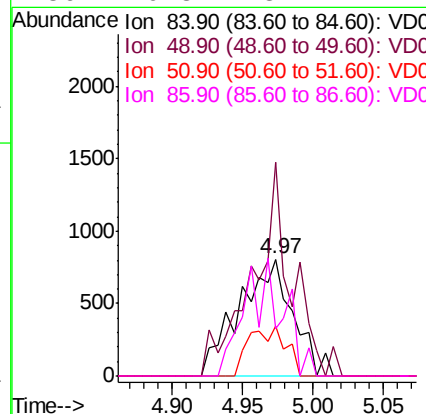
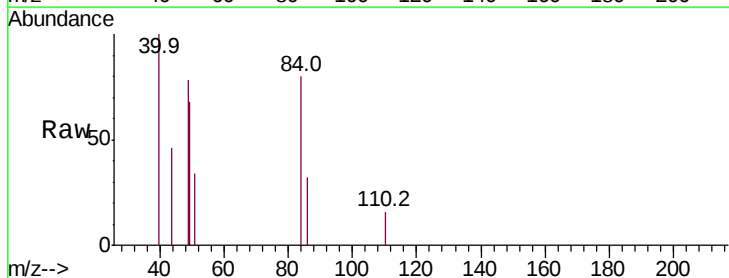
Instrument :
MSVOA_D
ClientSampleId :
36A

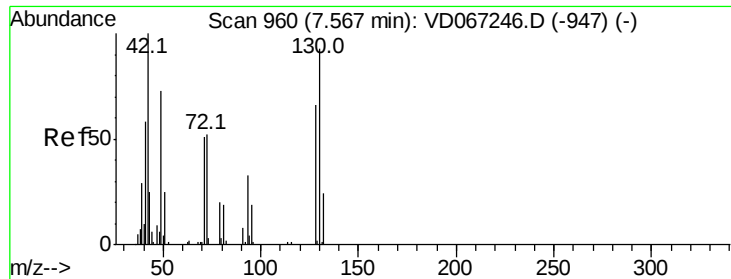
Tot Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
74 8.0 26.6 39.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

Tgt Ion: 84 Resp: 2171
Ion Ratio Lower Upper
84 100
49 182.3 72.2 108.2#
51 42.8 23.8 35.8#
86 40.3 48.2 72.4#

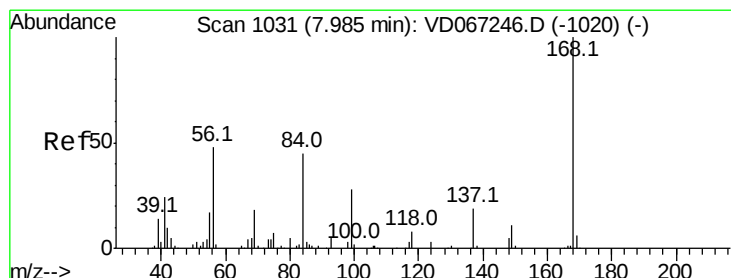
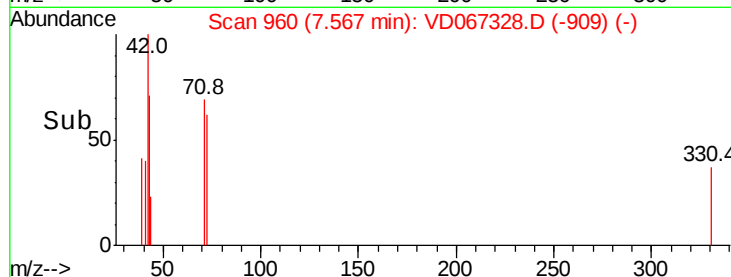
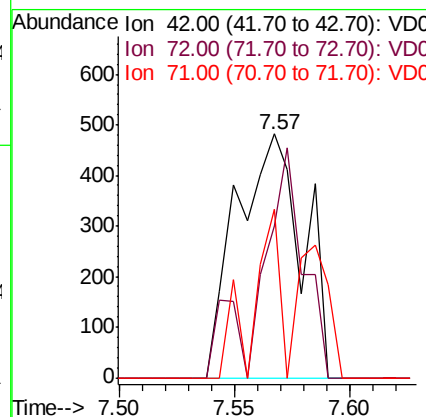
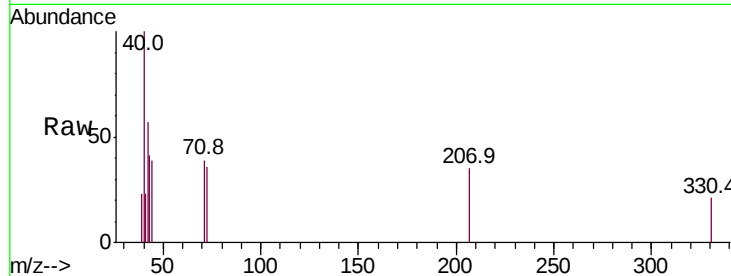




#29
Tetrahydrofuran
Concen: 3.521 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

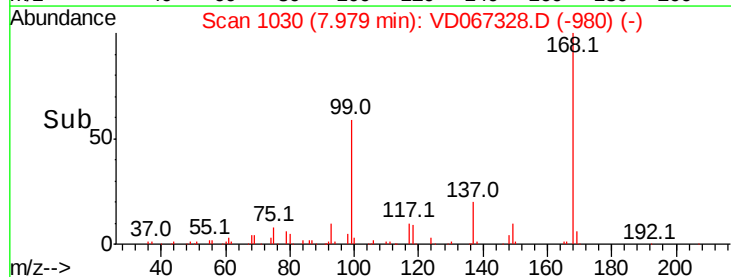
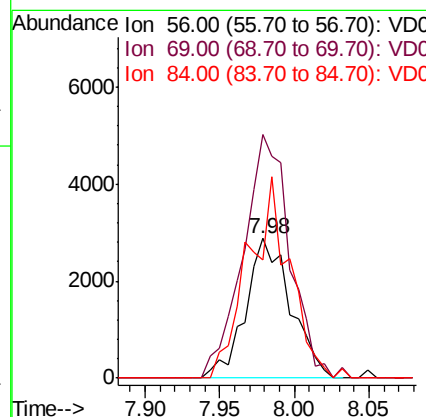
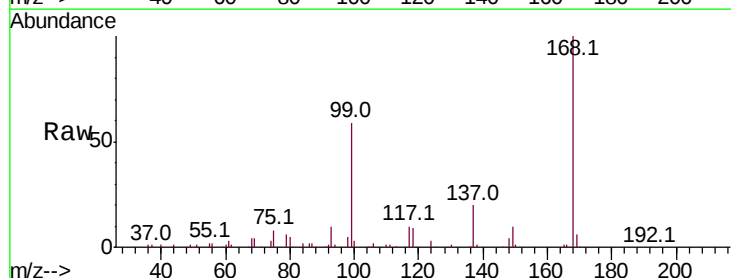
Instrument :
MSVOA_D
ClientSampled :
36A

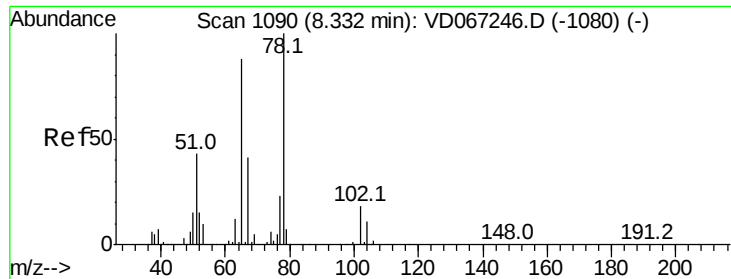
Tot Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 50.6 43.2 64.8
71 27.6 39.4 59.0#



#31
Cyclohexane
Concen: 1.713 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

Tgt Ion: 56 Resp: 6032
Ion Ratio Lower Upper
56 100
69 174.5 29.8 44.6#
84 85.0 76.6 114.8

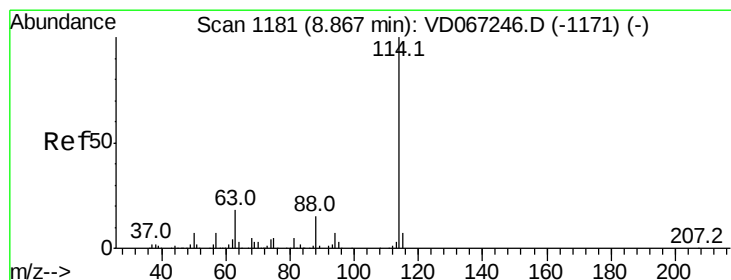
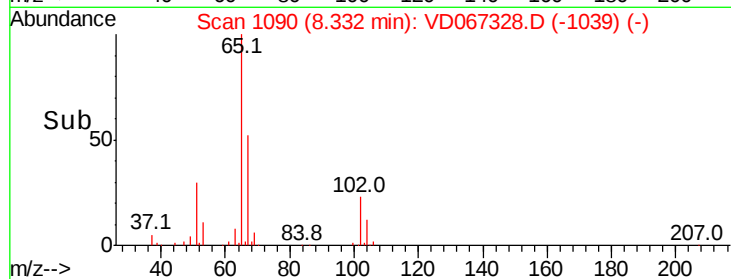
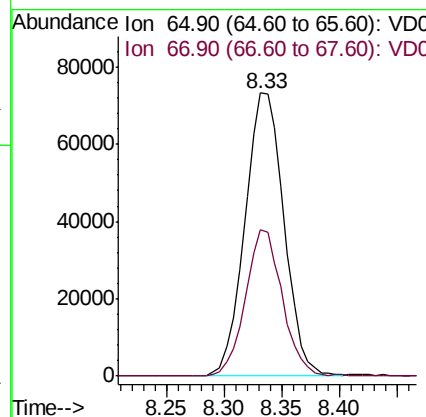
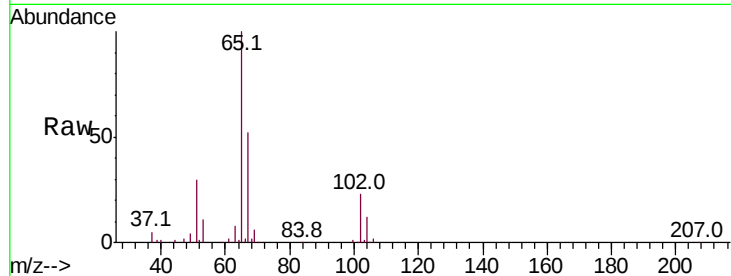




#33
 1,2-Dichloroethane-d4
 Concen: 56.362 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067328.D
 Acq: 20 Oct 2020 17:07

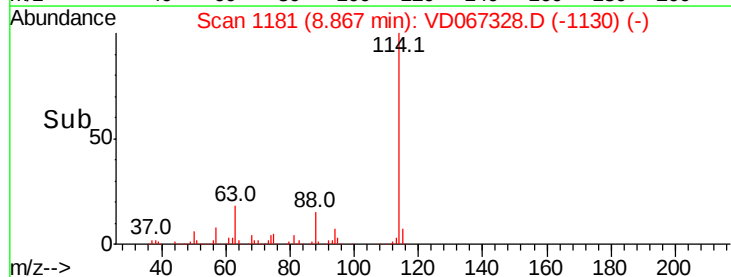
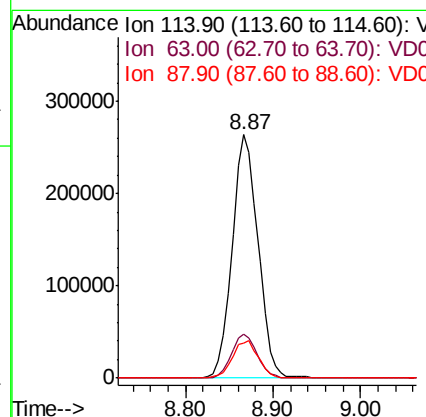
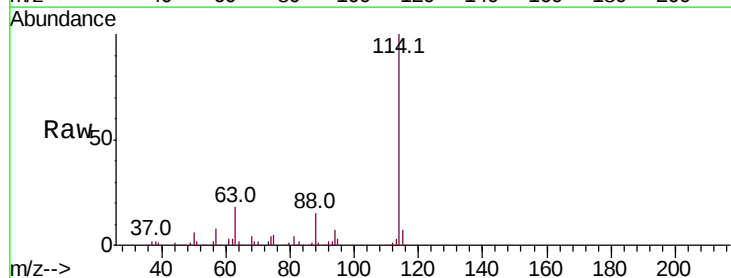
Instrument :
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 ClientSampleId :
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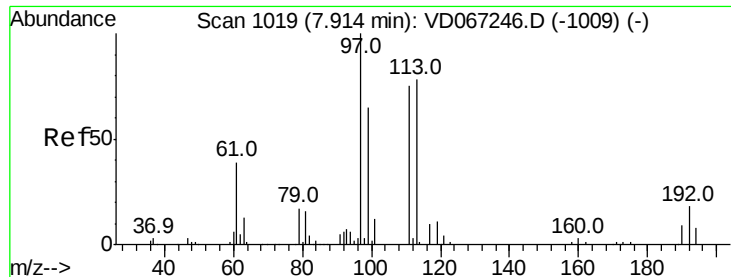
Tot Ion: 65 Resp: 172275
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067328.D
 Acq: 20 Oct 2020 17:07

Tgt Ion: 114 Resp: 531616
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 14.6 0.0 30.6

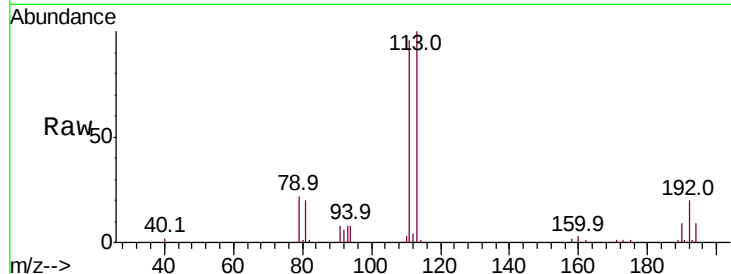




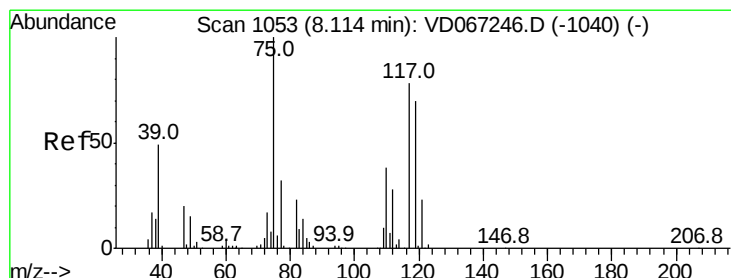
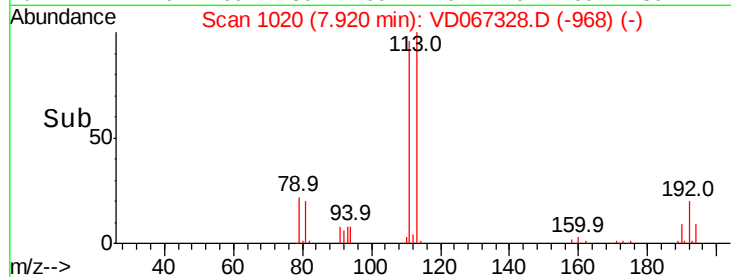
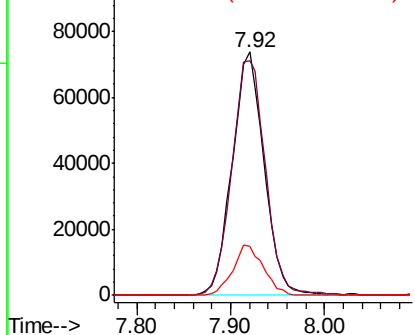
#35
Dibromofluoromethane
Concen: 49.054 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

Instrument :
MSVOA_D
ClientSampleId :
36A

Tot Ion:113 Resp: 173549
Ion Ratio Lower Upper
113 100
111 102.0 81.6 122.4
192 19.7 17.0 25.4

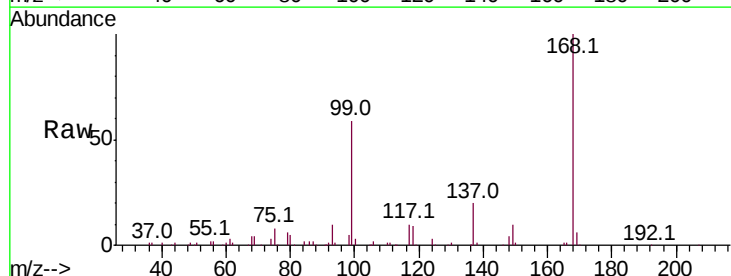


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

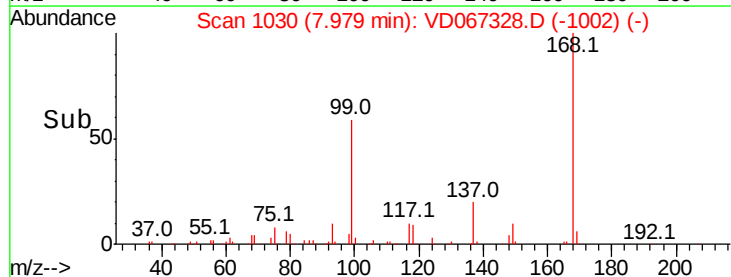
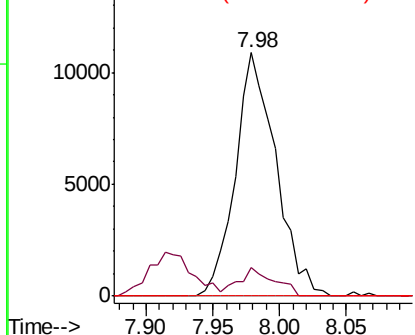


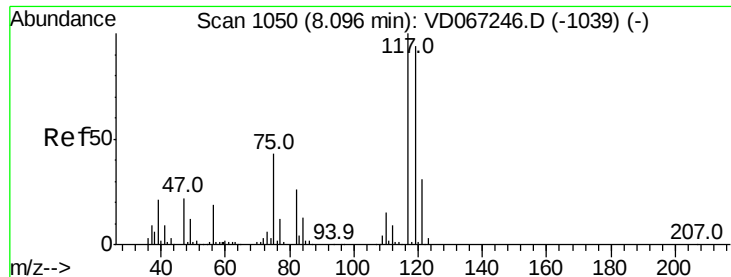
#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

Tgt Ion: 75 Resp: 22850
Ion Ratio Lower Upper
75 100
110 10.3 19.6 58.7#
77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

36A

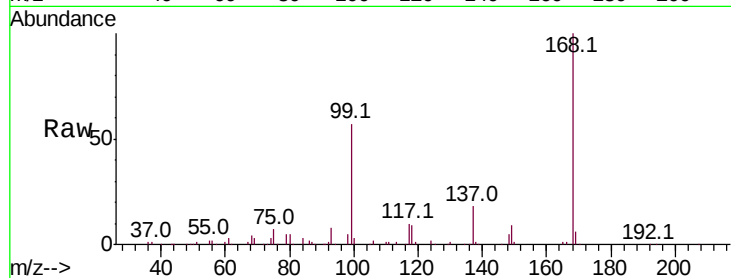
Tot Ion:117 Resp: 31545

Ion Ratio Lower Upper

117 100

119 8.2 75.0 112.4#

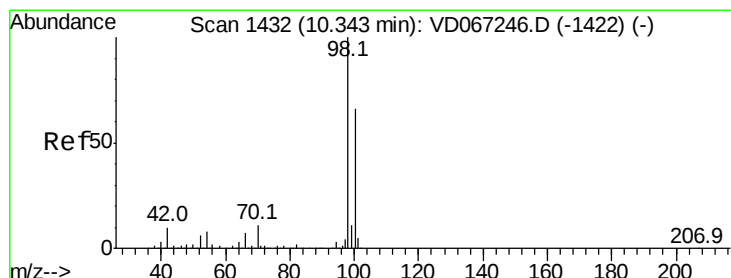
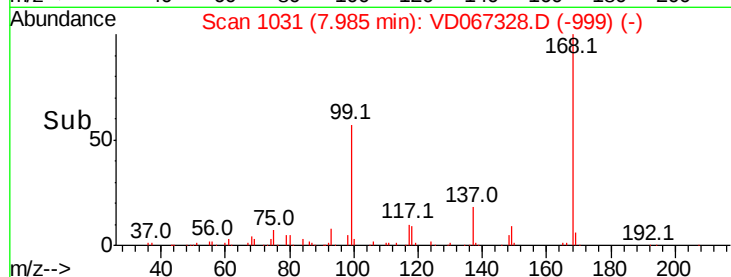
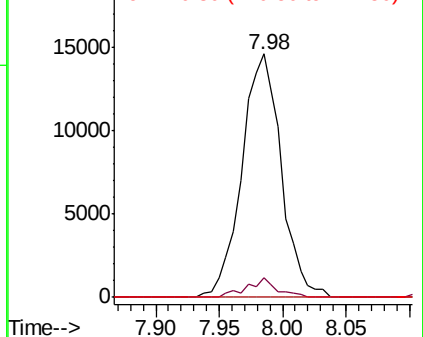
121 0.0 24.9 37.3#



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: 48.632 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067328.D

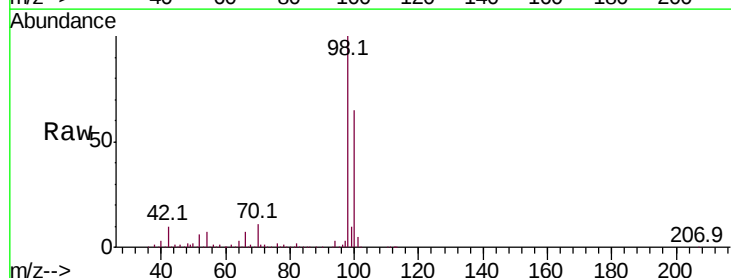
Acq: 20 Oct 2020 17:07

Tgt Ion: 98 Resp: 622650

Ion Ratio Lower Upper

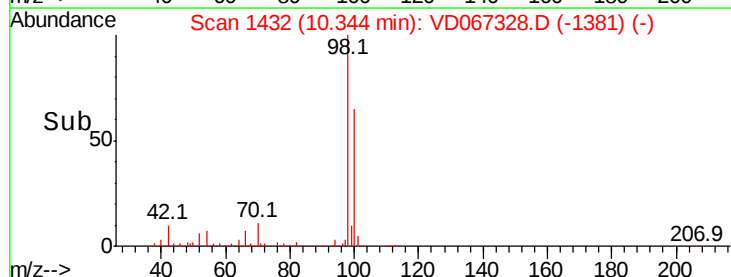
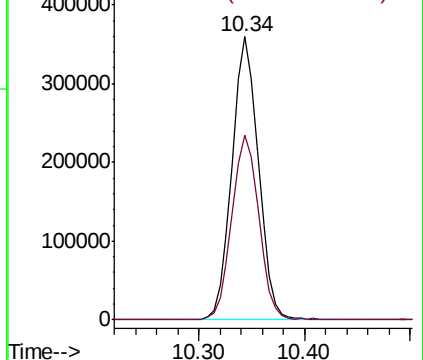
98 100

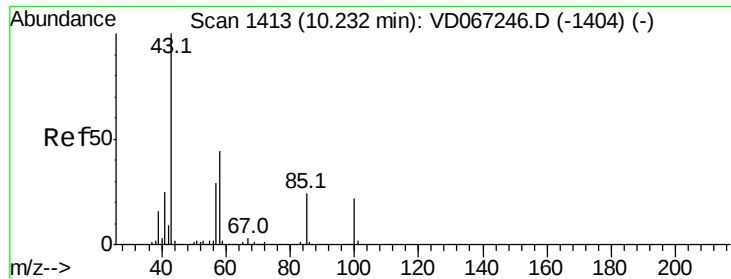
100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.553 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

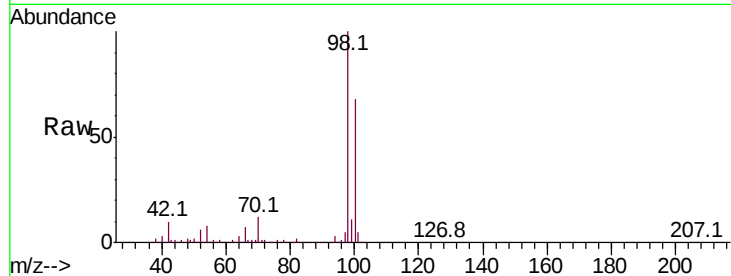
36A

Tot Ion: 43 Resp: 2038

Ion Ratio Lower Upper

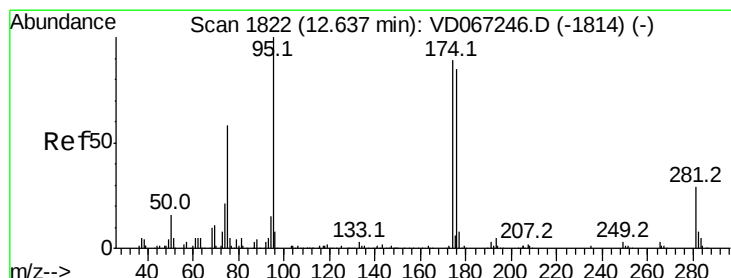
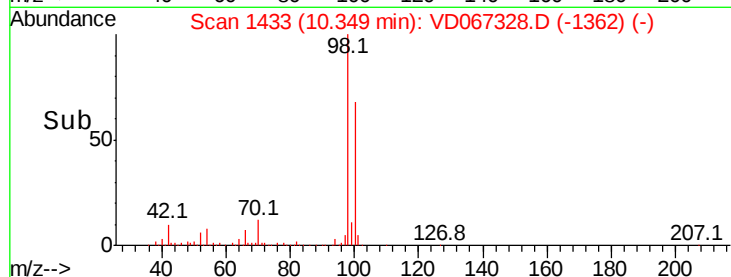
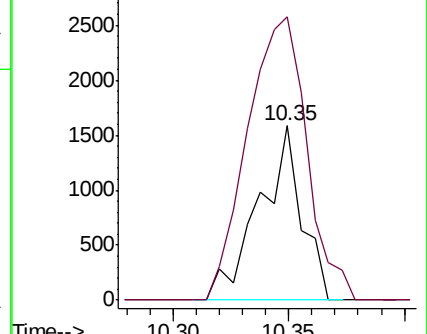
43 100

58 226.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.014 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

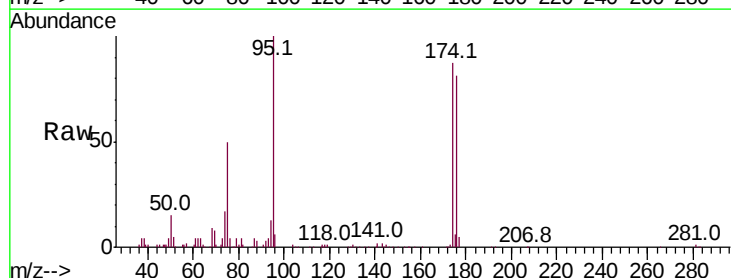
Tgt Ion: 95 Resp: 213758

Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.2

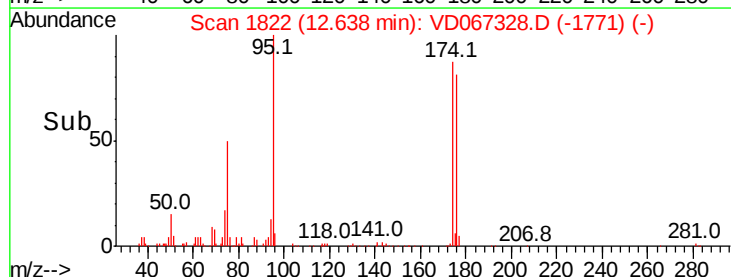
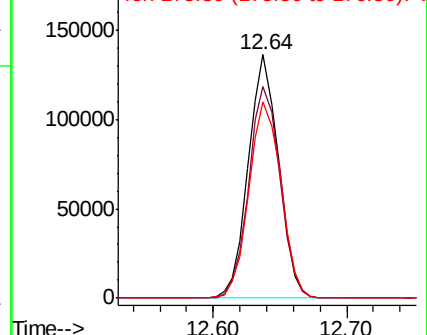
176 85.2 0.0 168.6

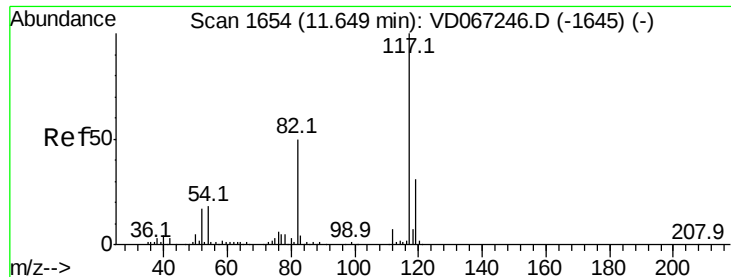


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

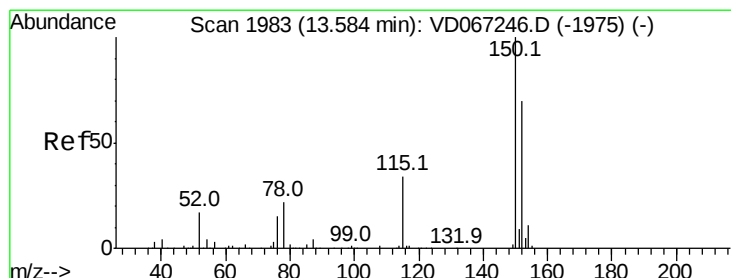
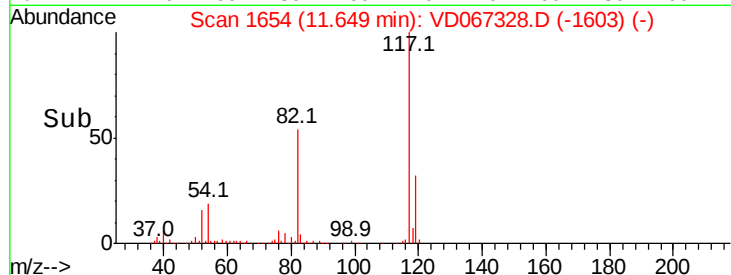
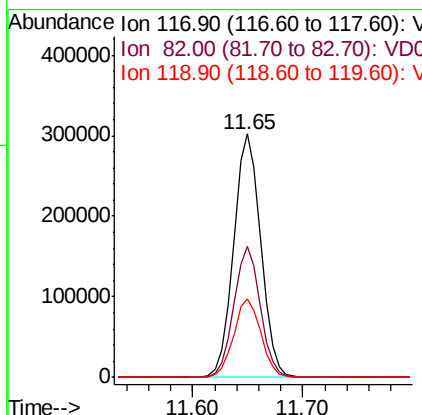
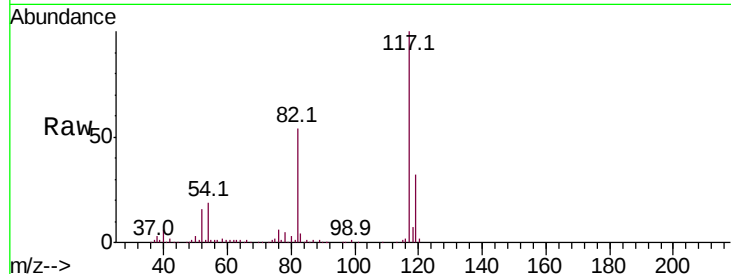




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

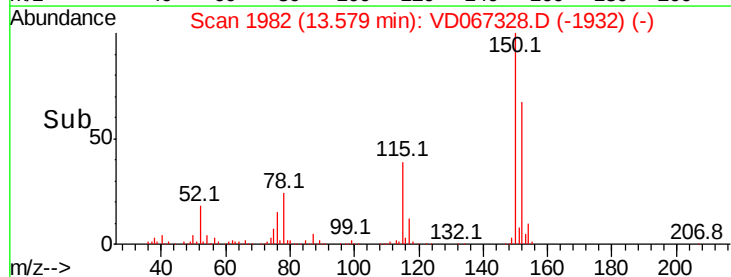
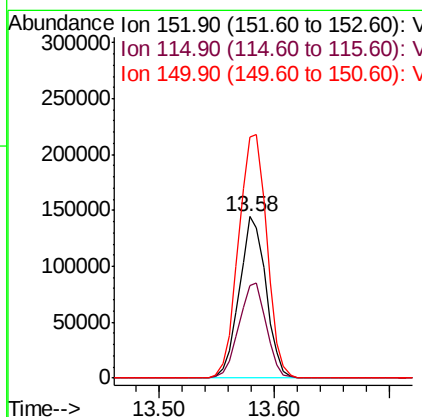
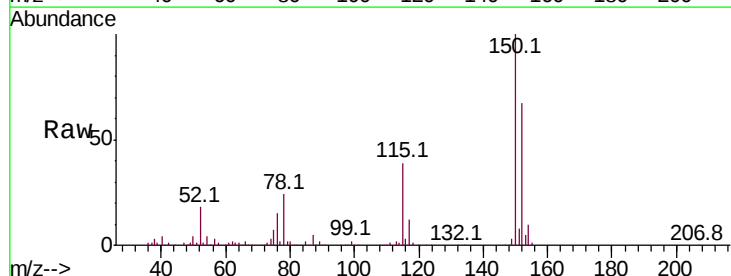
Instrument :
MSVOA_D
ClientSampleId :
36A

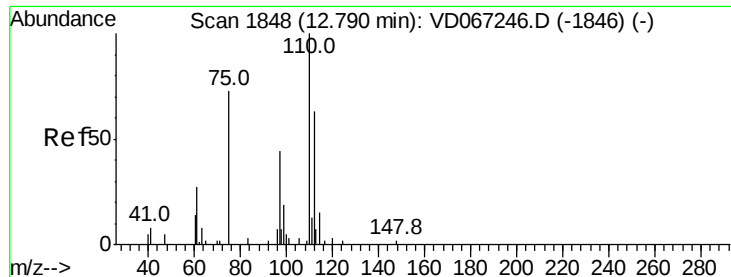
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	39.9	59.9
119	32.1	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067328.D
Acq: 20 Oct 2020 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.3	87.9
150	160.3	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 67.816 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

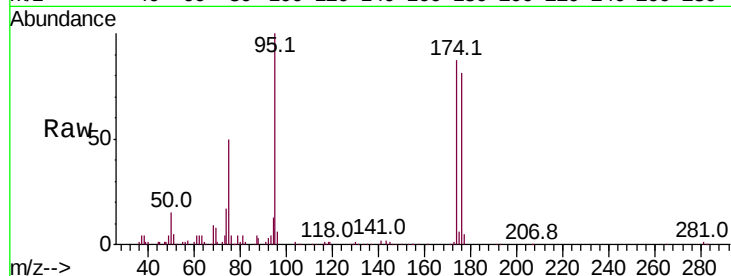
36A

Tot Ion: 75 Resp: 108509

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

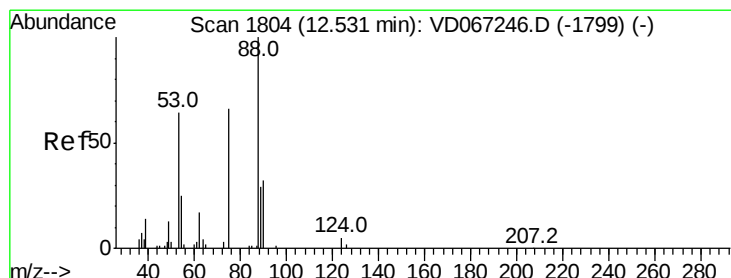
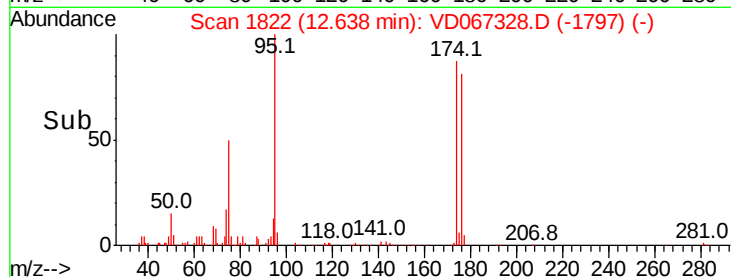
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 153.786 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067328.D

Acq: 20 Oct 2020 17:07

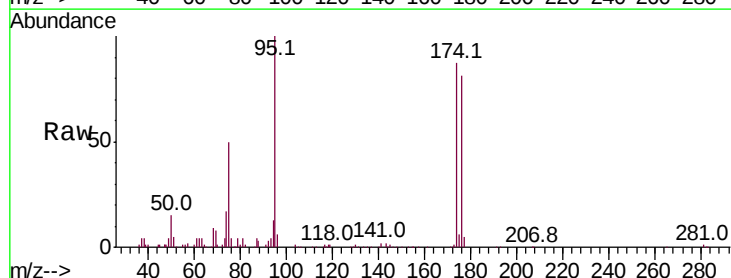
Tgt Ion: 75 Resp: 108509

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



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

12.64

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

