

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067364.D
 Acq On : 22 Oct 2020 16:06
 Operator : VA/SY
 Sample : L4491-02
 Misc : 6.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Oct 23 06:09:35 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	327633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	528728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249162	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	163879	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.91	113	168755	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	10.34	98	622150	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.64	95	218449	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	

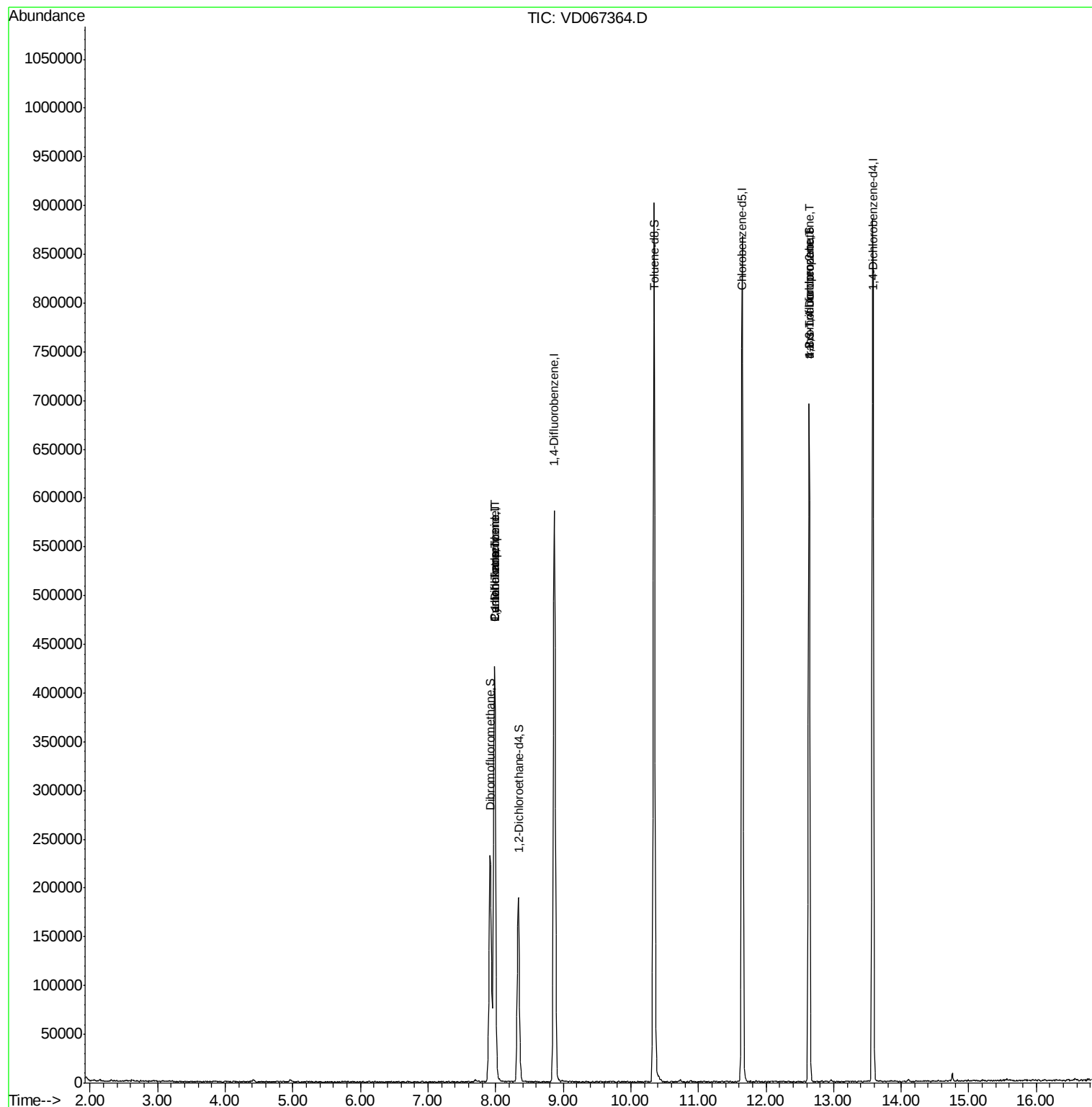
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	55	Below Cal	#	15
11) Tert butyl alcohol	5.21	59	57	Below Cal	#	81
20) Methylene Chloride	4.96	84	822	Below Cal	#	90
31) Cyclohexane	7.98	56	6199	1.640	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	23269	5.192	ug/l #	51
38) Carbon Tetrachloride	7.98	117	33293	5.813	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	112469	65.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112469	147.688	ug/l #	10

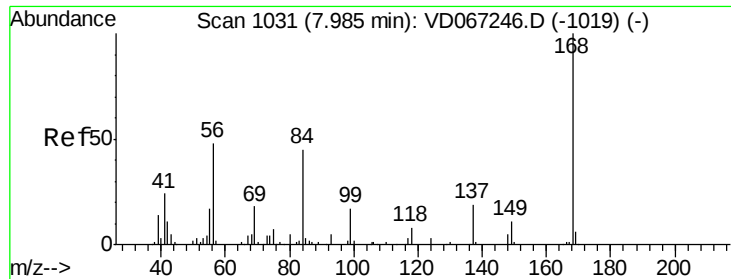
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067364.D

Acq: 22 Oct 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

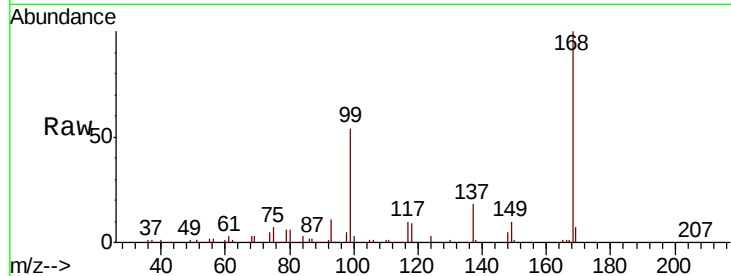
COMP-2

Tot Ion:168 Resp: 327633

Ion Ratio Lower Upper

168 100

99 54.3 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

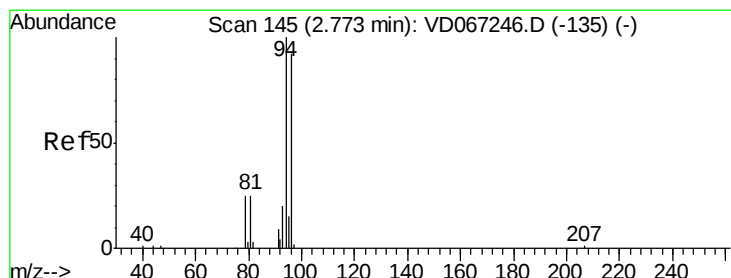
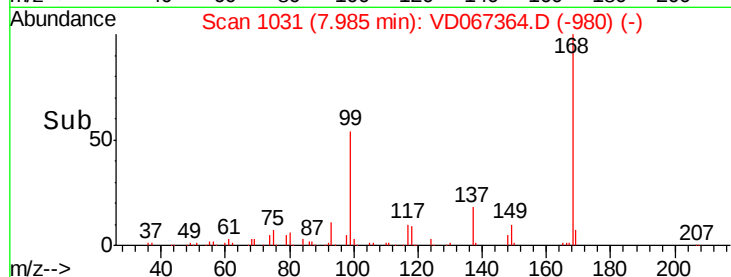
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067364.D

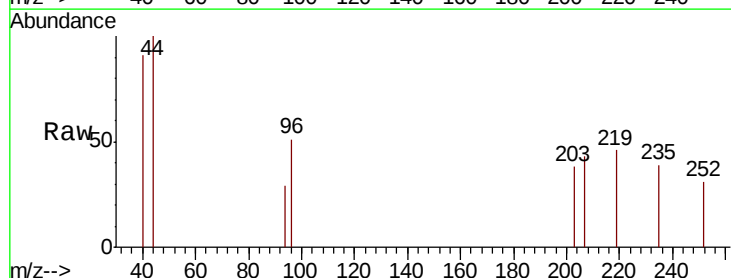
Acq: 22 Oct 2020 16:06

Tgt Ion: 94 Resp: 55

Ion Ratio Lower Upper

94 100

96 173.7 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

250

200

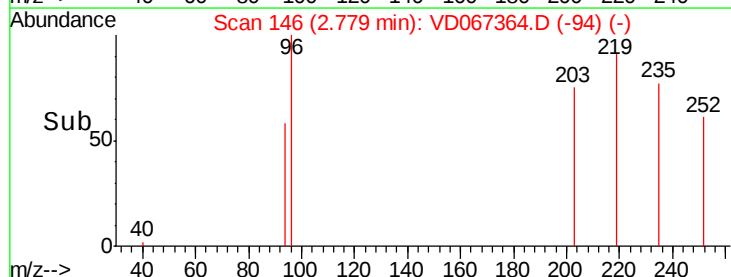
150

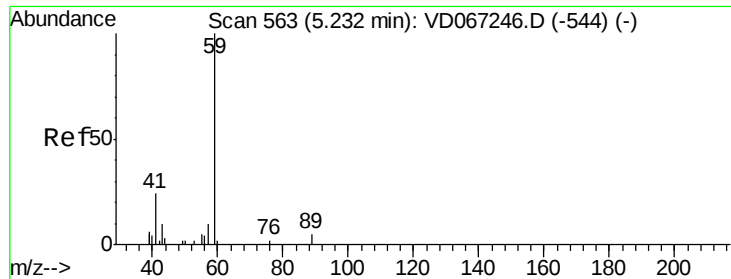
100

50

0

Time-->



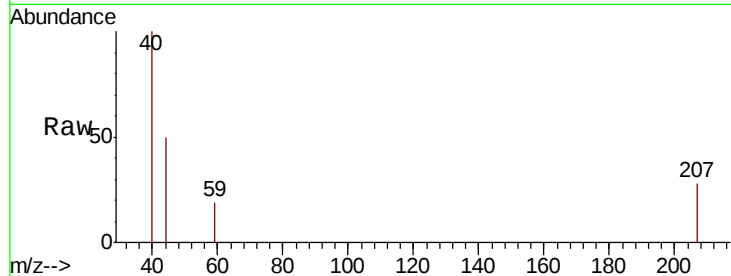


#11

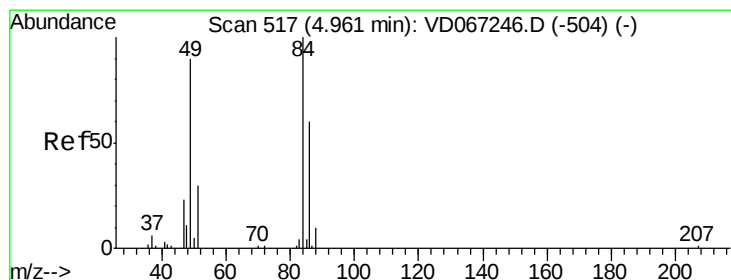
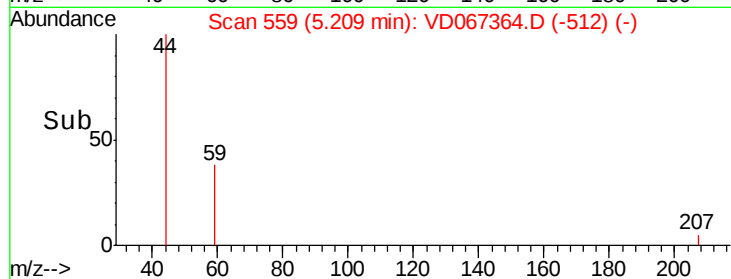
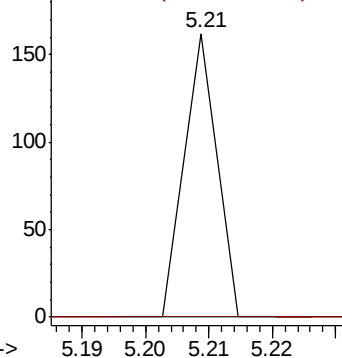
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

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



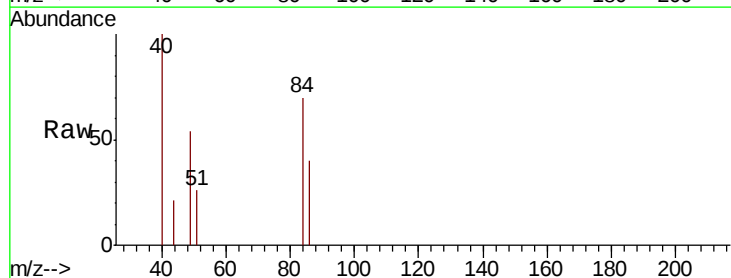
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



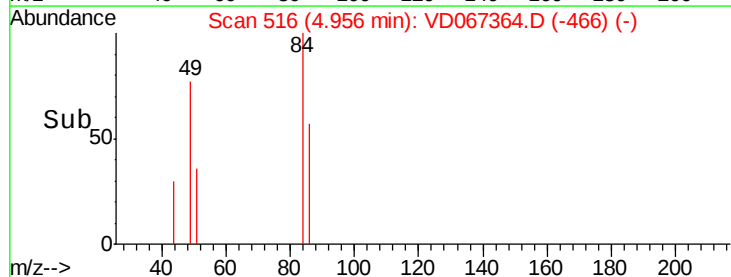
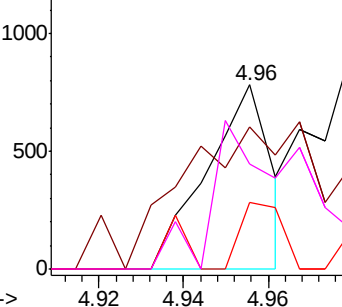
#20

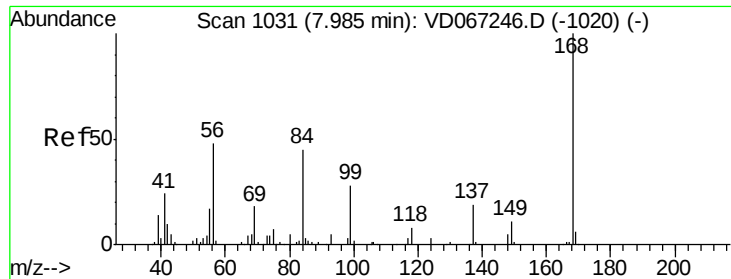
Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

Tgt Ion: 84 Resp: 822
 Ion Ratio Lower Upper
 84 100
 49 77.0 72.2 108.2
 51 36.5 23.8 35.8#
 86 57.1 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

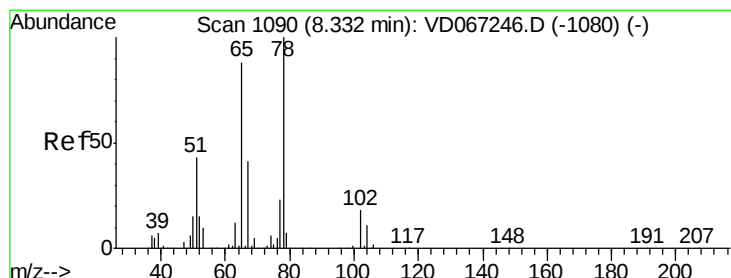
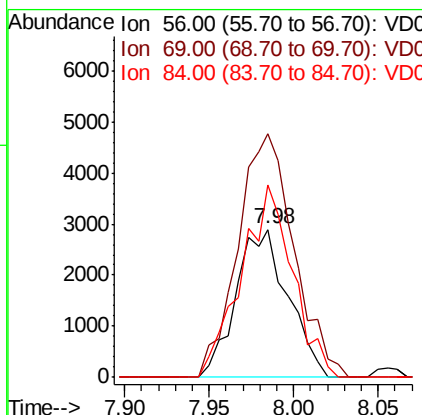
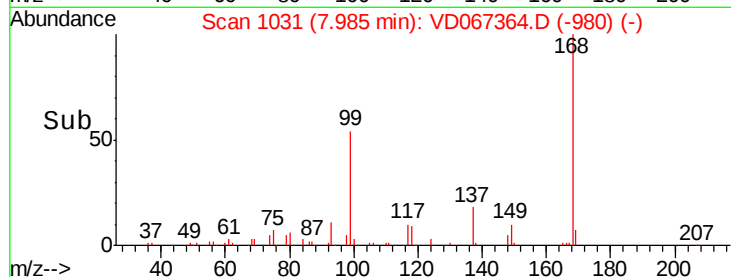
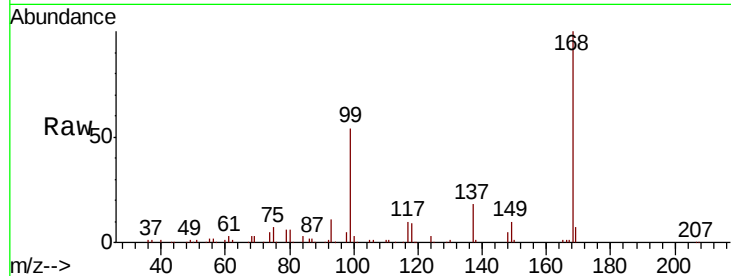




#31
Cyclohexane
Concen: 1.640 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

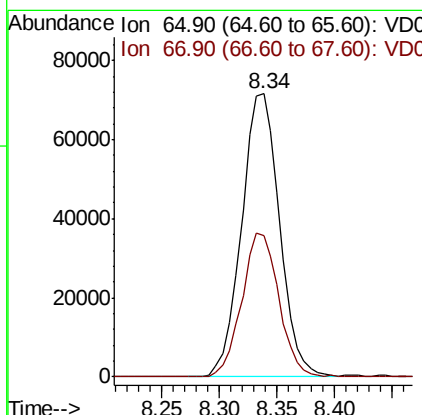
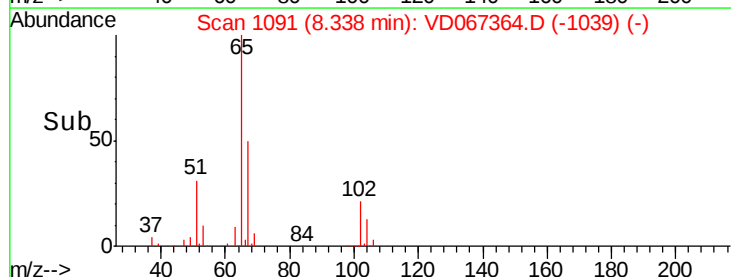
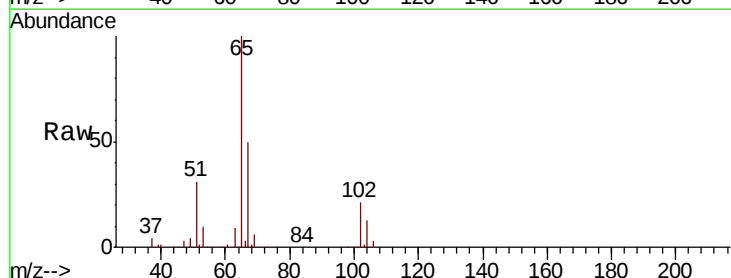
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

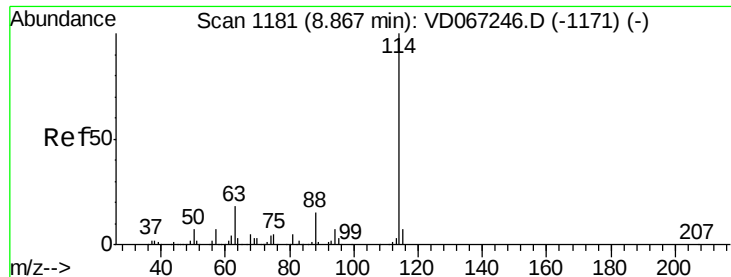
Tot Ion: 56 Resp: 6199
Ion Ratio Lower Upper
56 100
69 164.4 29.8 44.6#
84 129.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 49.927 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

Tgt Ion: 65 Resp: 163879
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.8

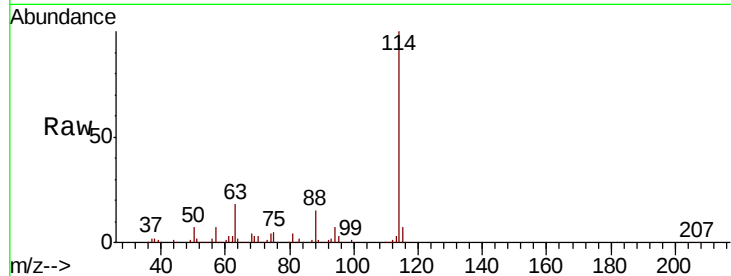




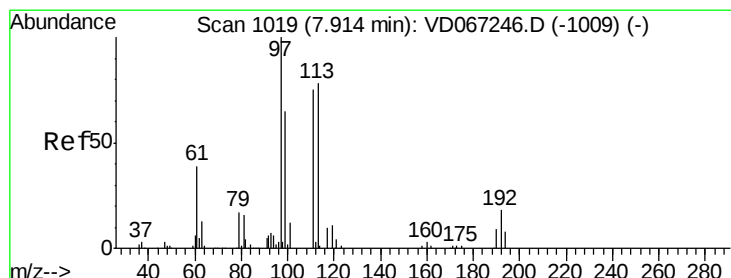
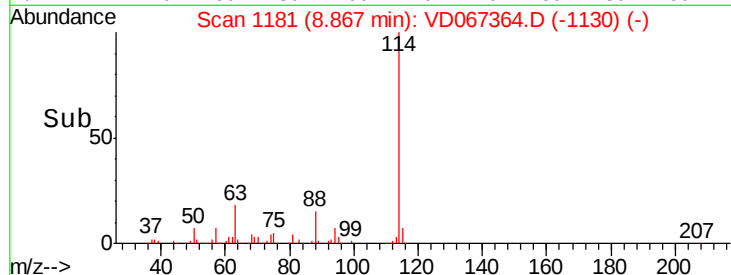
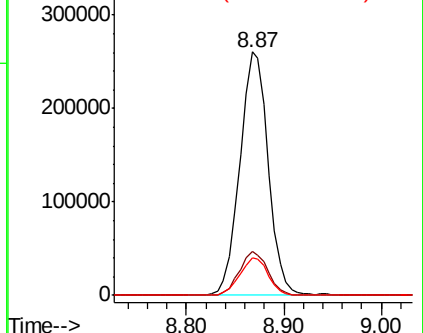
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.0
88	15.3	0.0	30.6

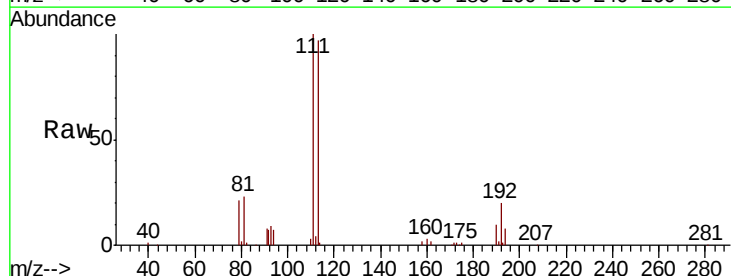


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

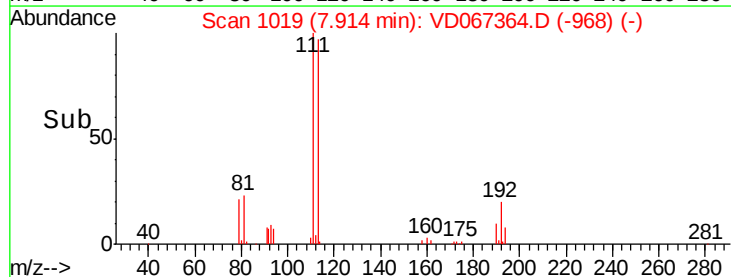
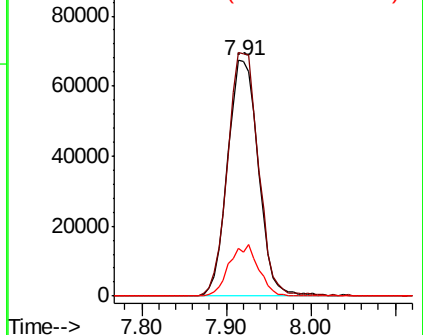


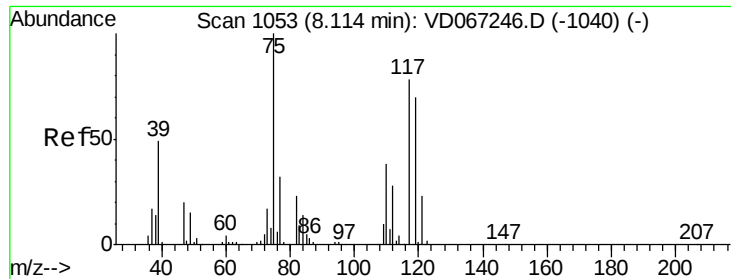
#35
 Dibromofluoromethane
 Concen: 47.960 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.6	122.4
192	20.8	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

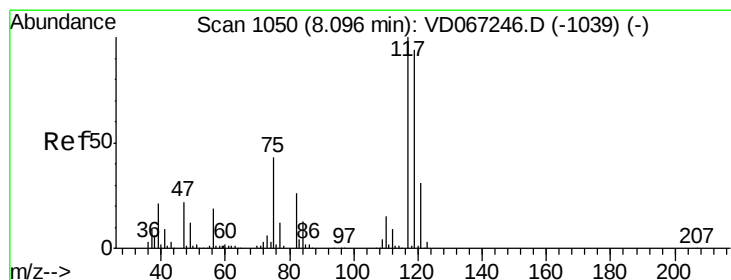
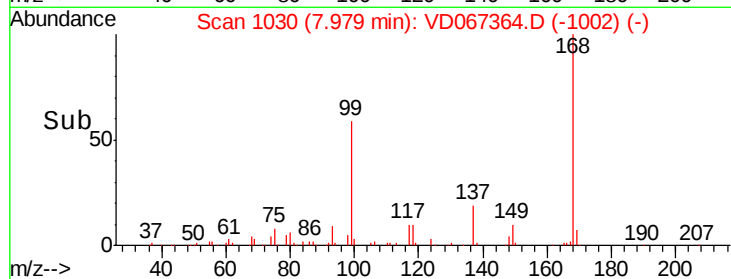
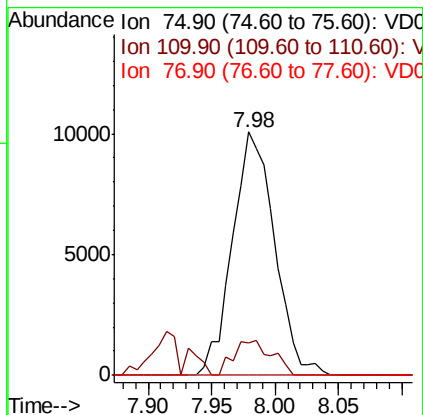
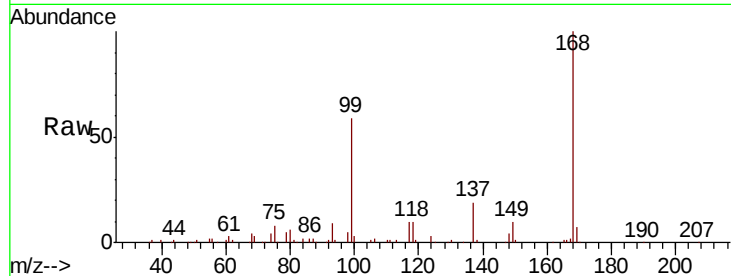




#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

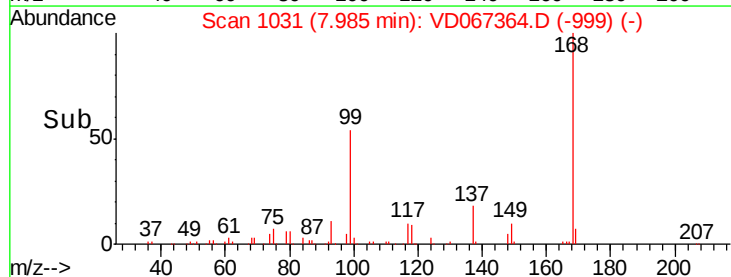
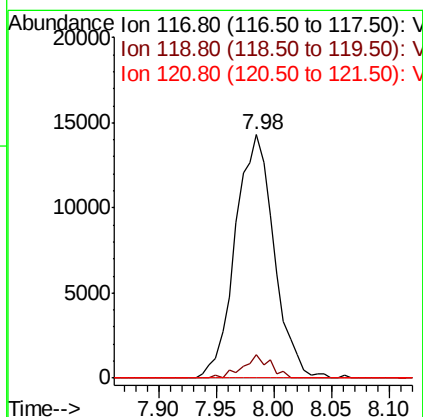
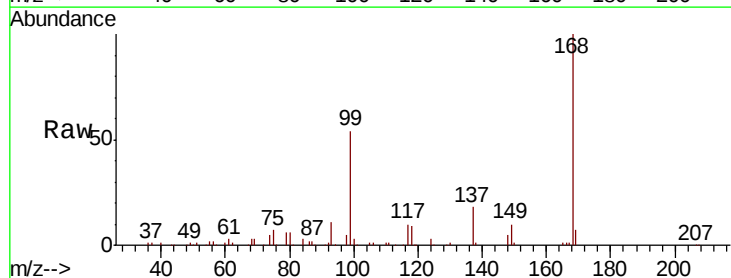
Instrument :
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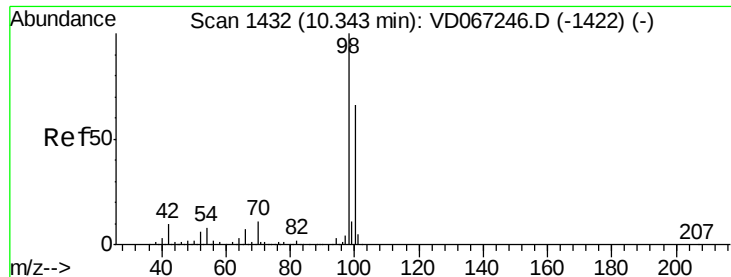
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.0	19.6	58.7#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.813 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067364.D
 Acq: 22 Oct 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.7	75.0	112.4#
121	0.0	24.9	37.3#

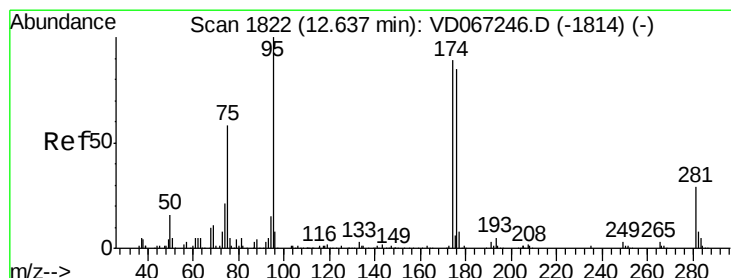
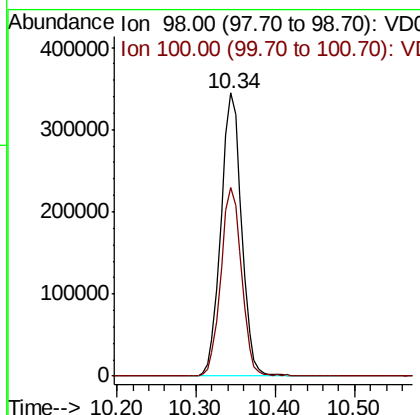
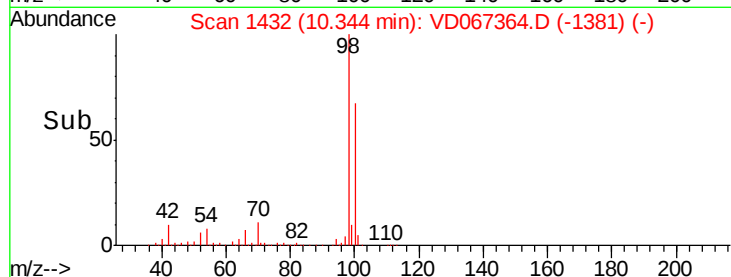
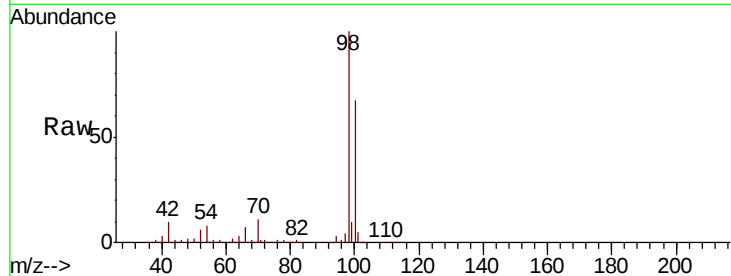




#50
Toluene-d8
Concen: 48.858 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

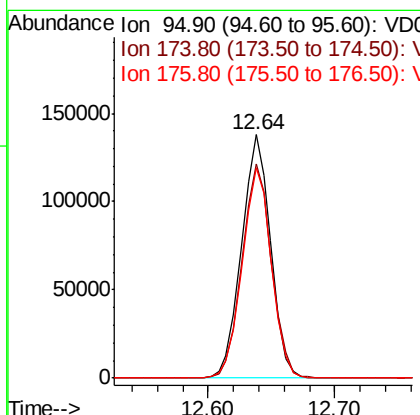
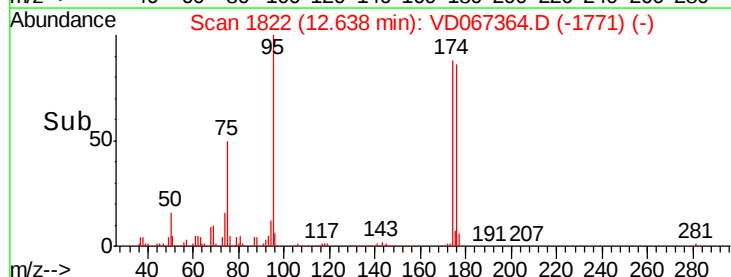
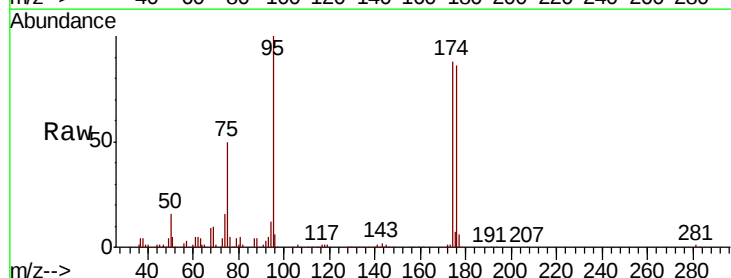
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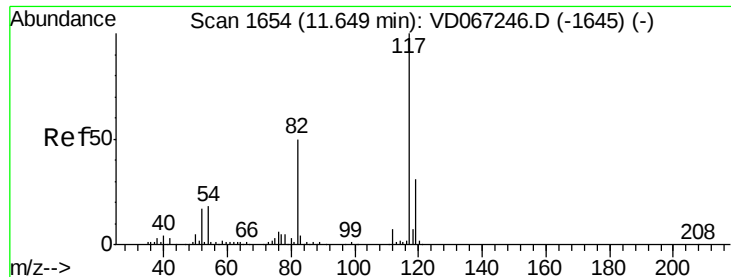
Tot Ion: 98 Resp: 622150
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.335 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

Tgt Ion: 95 Resp: 218449
Ion Ratio Lower Upper
95 100
174 89.2 0.0 175.2
176 86.9 0.0 168.6

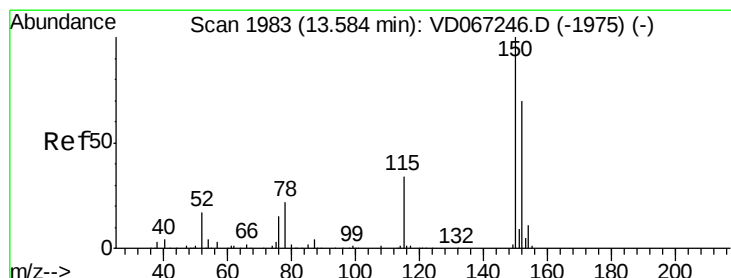
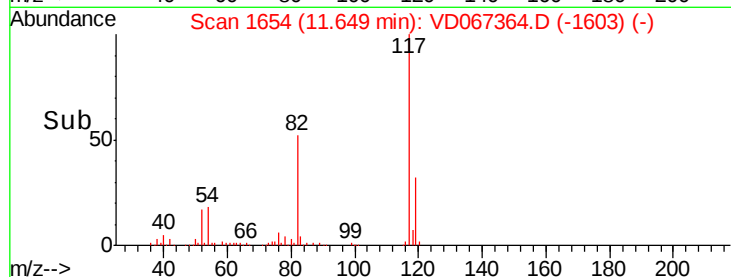
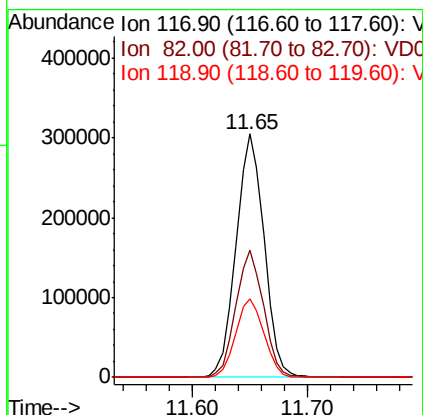
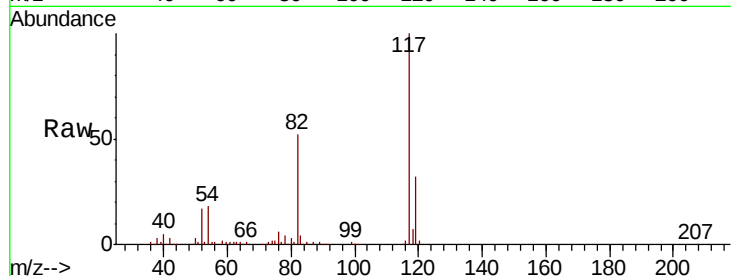




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

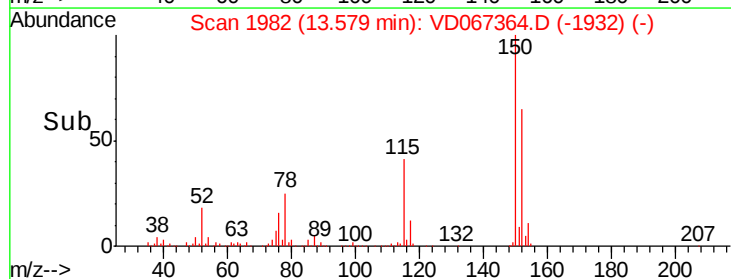
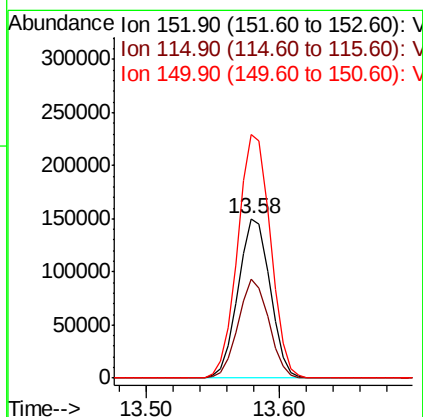
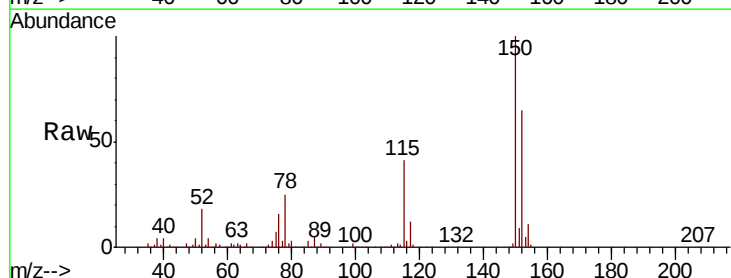
Instrument :
MSVOA_D
ClientSampleId :
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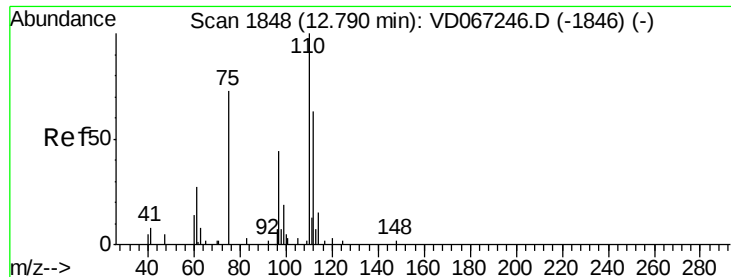
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	39.9	59.9
119	32.1	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067364.D
Acq: 22 Oct 2020 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.3	87.9
150	156.1	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 65.127 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067364.D

Acq: 22 Oct 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

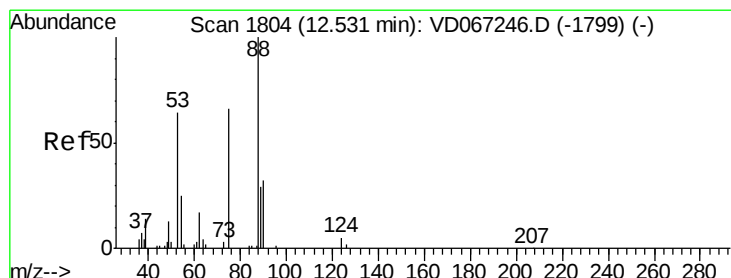
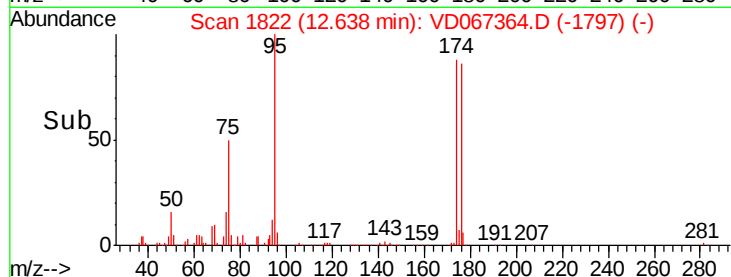
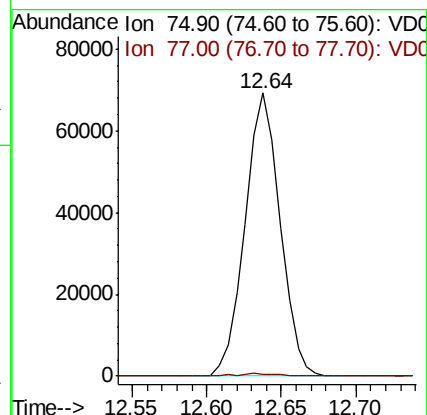
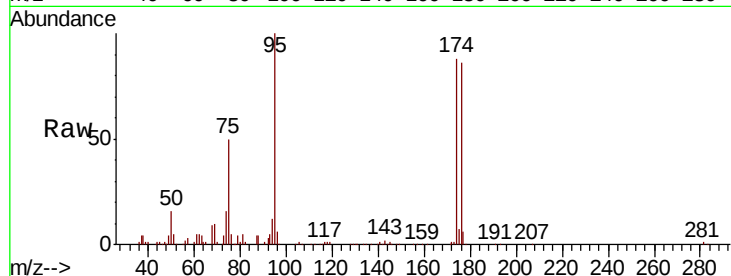
COMP-2

Tot Ion: 75 Resp: 112469

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.688 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067364.D

Acq: 22 Oct 2020 16:06

Tgt Ion: 75 Resp: 112469

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

