

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067468.D
 Acq On : 30 Oct 2020 13:00
 Operator : VA/SY
 Sample : L4560-01
 Misc : 6.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

Quant Time: Oct 30 13:20:04 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	6545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	9260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	9341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4891	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	3815	58.18	ug/l	0.00
Spiked Amount			Recovery	=	116.36%	
35) Dibromofluoromethane	7.92	113	3277	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.34	98	10926	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.64	95	3804	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	

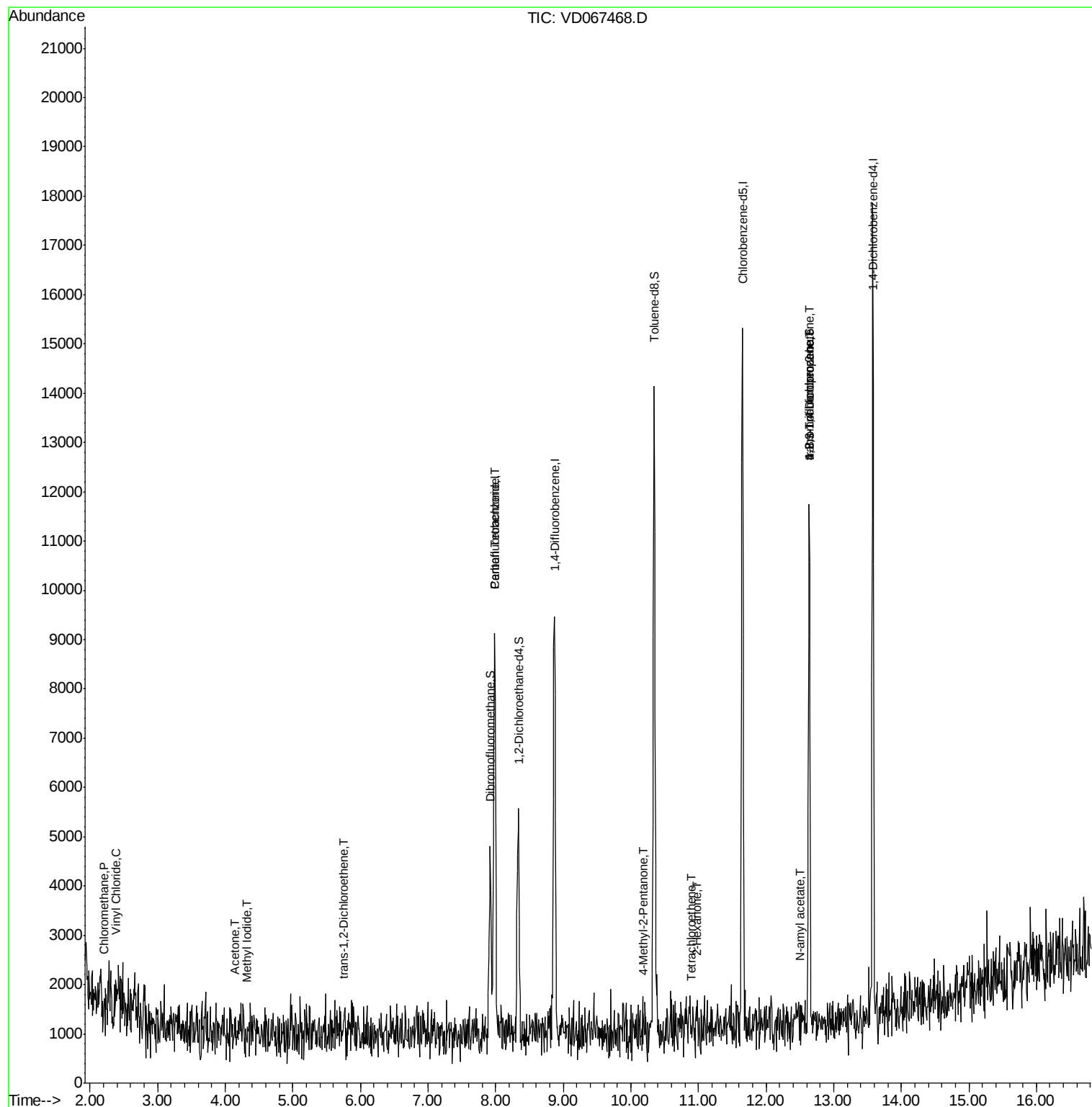
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	83	2.015	ug/l #	41
4) Vinyl Chloride	2.37	62	70	1.549	ug/l #	40
5) Bromomethane	2.78	94	71	Below Cal		88
10) Methyl Iodide	4.33	142	117	2.098	ug/l #	37
16) Acetone	4.14	43	73	7.949	ug/l #	42
20) Methylene Chloride	4.96	84	229	Below Cal	#	40
21) trans-1,2-Dichloroethene	5.74	96	65	1.046	ug/l #	3
38) Carbon Tetrachloride	7.98	117	460	4.586	ug/l #	13
51) 4-Methyl-2-Pentanone	10.20	43	89	3.894	ug/l #	31
59) 2-Hexanone	10.98	43	90	5.763	ug/l #	22
64) Tetrachloroethene	10.90	164	90	1.330	ug/l #	1
74) N-amyl acetate	12.50	43	55	1.173	ug/l #	36
76) 1,2,3-Trichloropropane	12.63	75	1822	53.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1822	121.883	ug/l #	10

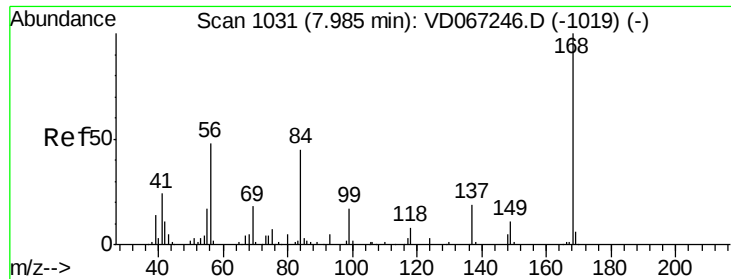
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD067468.D

Acq: 30 Oct 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

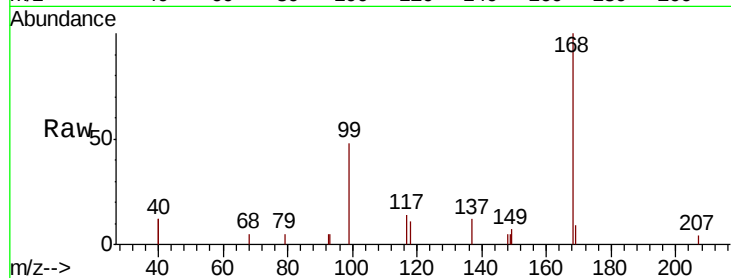
B308-B309-LOC1-SO-0001

Tot Ion:168 Resp: 6545

Ion Ratio Lower Upper

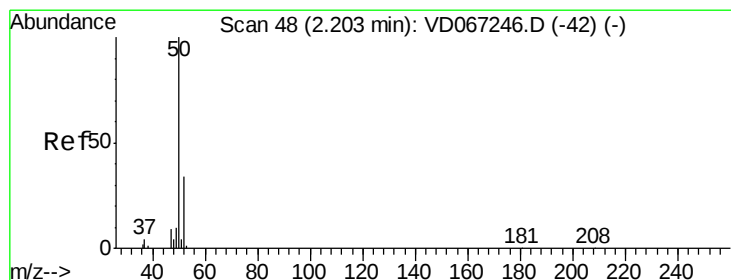
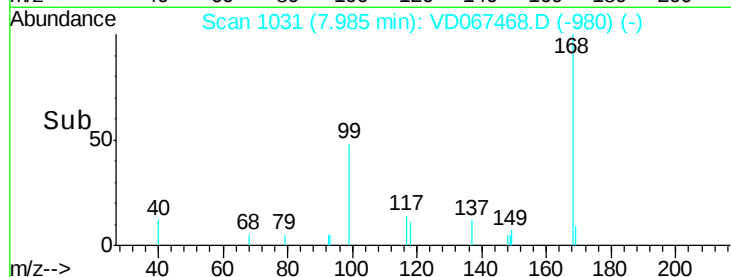
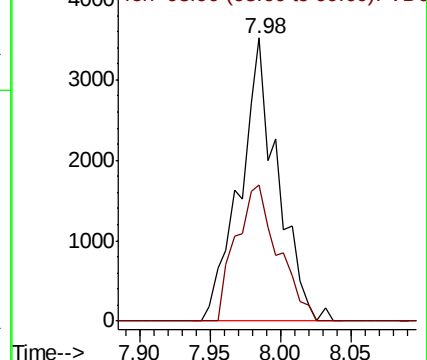
168 100

99 48.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 2.015 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067468.D

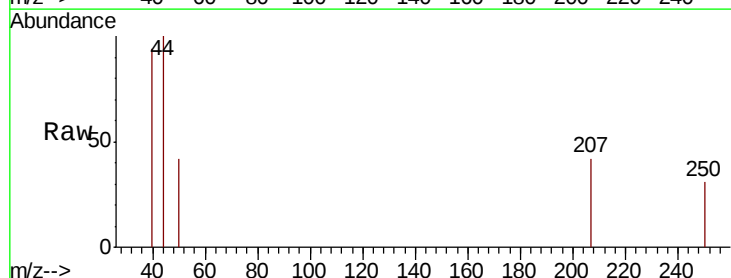
Acq: 30 Oct 2020 13:00

Tgt Ion: 50 Resp: 83

Ion Ratio Lower Upper

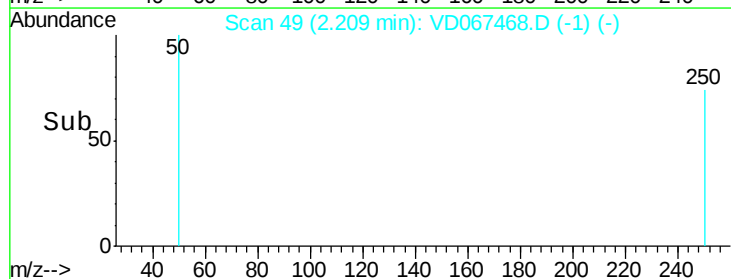
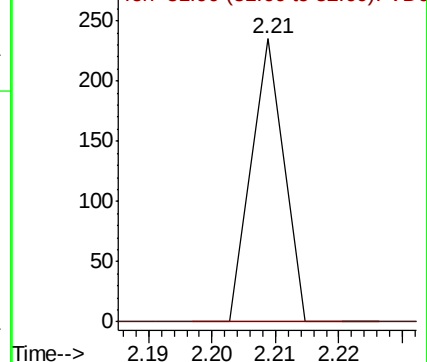
50 100

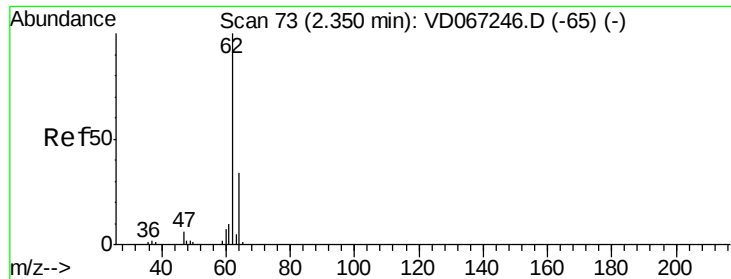
52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.549 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

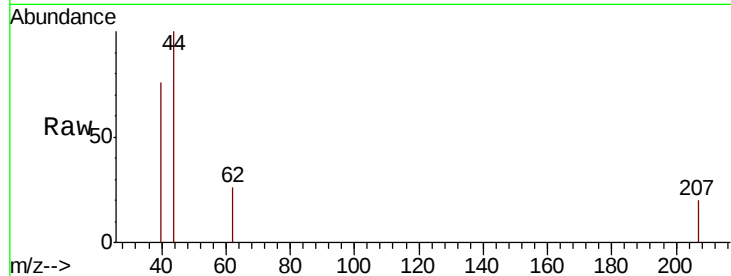
B308-B309-LOC1-SO-0001

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

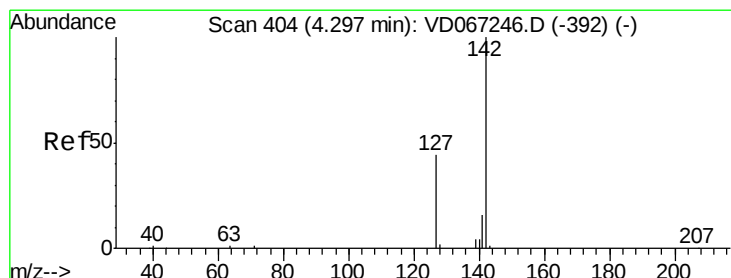
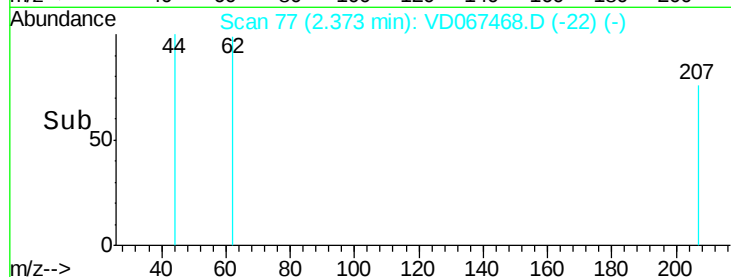
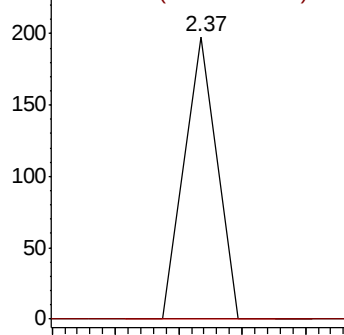
62 100

64 0.0 27.4 41.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#10

Methyl Iodide

Concen: 2.098 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.03 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

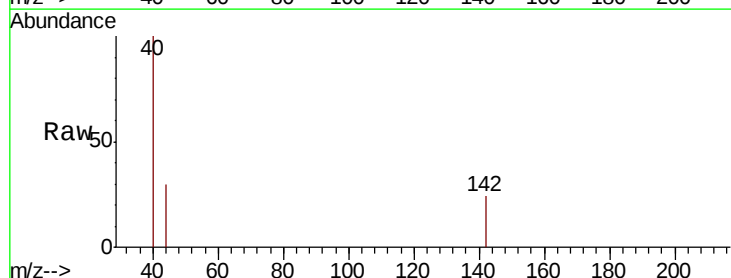
Tgt Ion: 142 Resp: 117

Ion Ratio Lower Upper

142 100

127 0.0 38.4 57.6#

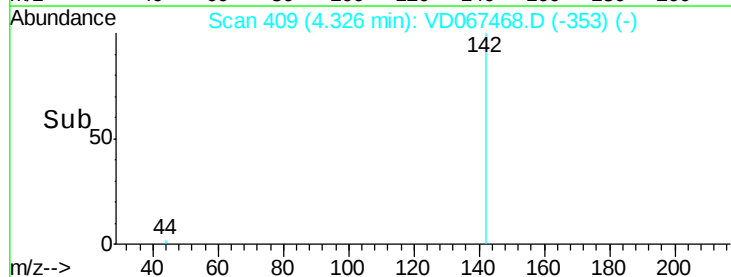
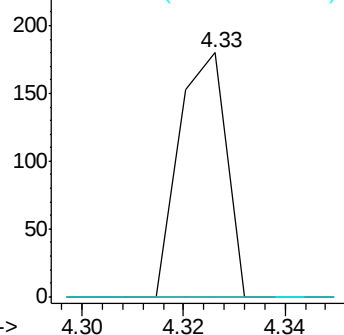
141 0.0 11.6 17.4#

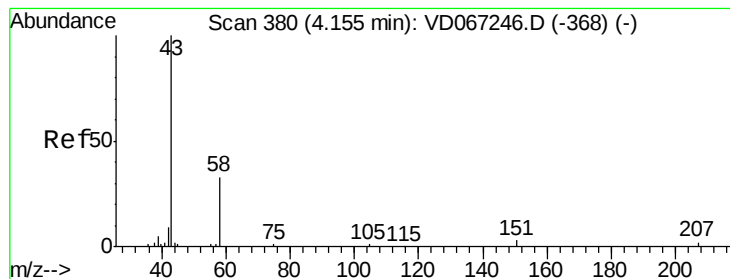


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 7.949 ug/l

RT: 4.14 min Scan# 377

Delta R.T. -0.02 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

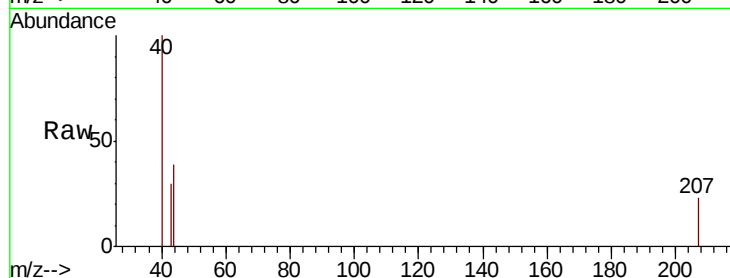
B308-B309-LOC1-SO-0001

Tot Ion: 43 Resp: 73

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

4.14

200

150

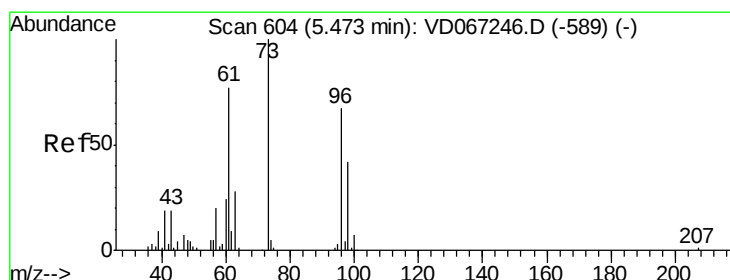
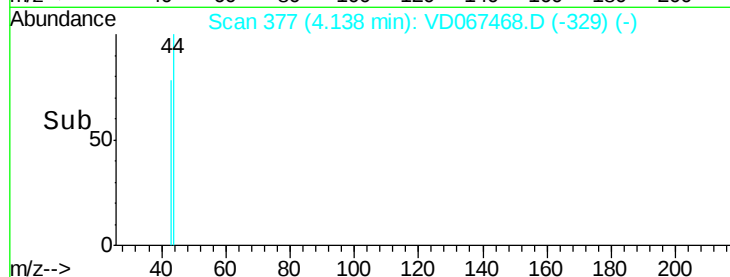
100

50

0

4.12 4.13 4.14 4.15

Time-->



#21

trans-1,2-Dichloroethene

Concen: 1.046 ug/l

RT: 5.74 min Scan# 650

Delta R.T. 0.27 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

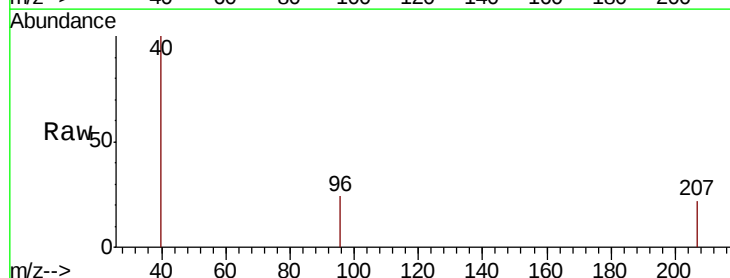
Tgt Ion: 96 Resp: 65

Ion Ratio Lower Upper

96 100

61 0.0 92.0 138.0#

98 0.0 49.8 74.8#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

250

200

150

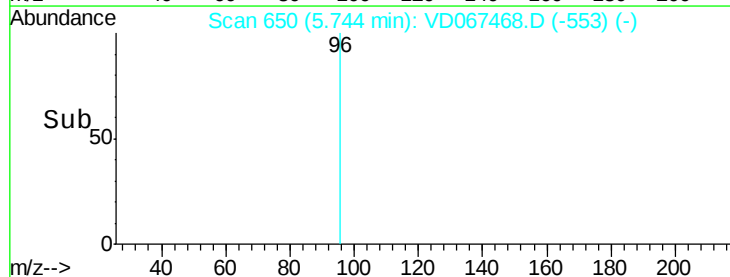
100

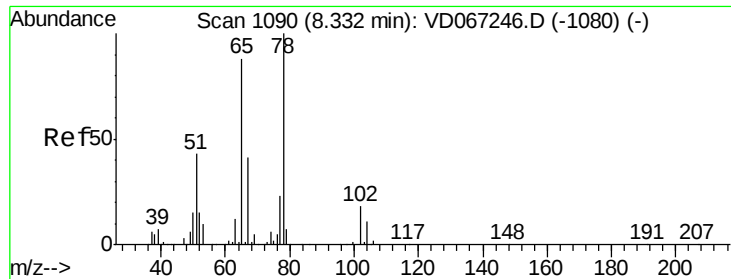
50

0

5.73 5.74 5.75

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.181 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

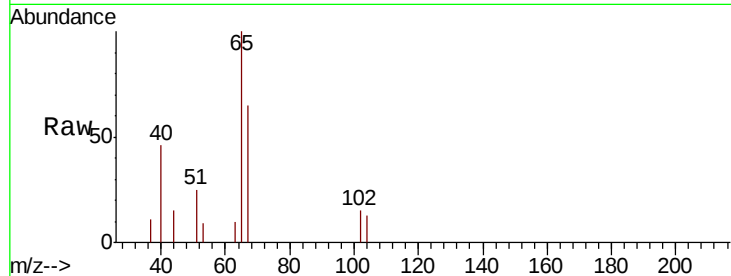
B308-B309-LOC1-SO-0001

Tot Ion: 65 Resp: 3815

Ion Ratio Lower Upper

65 100

67 58.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

2000

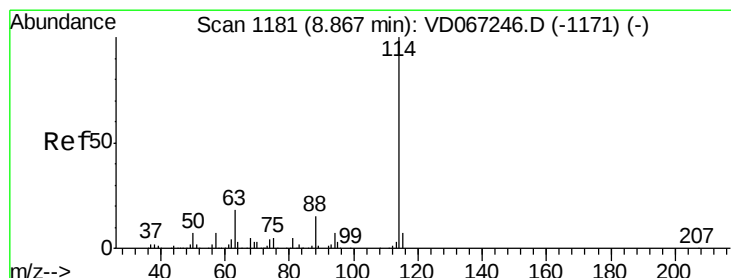
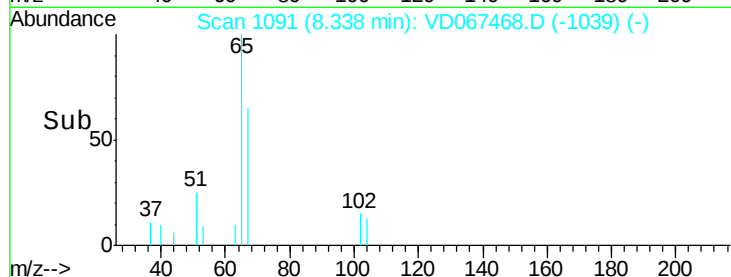
1500

1000

500

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

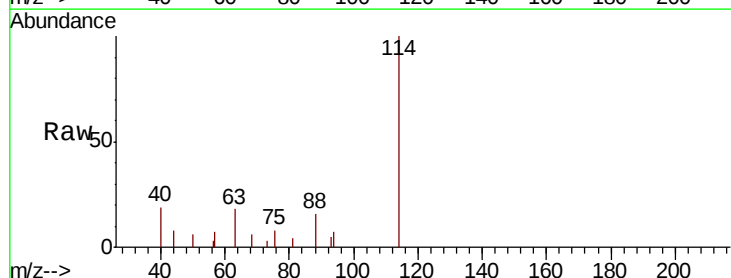
Tgt Ion: 114 Resp: 9260

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 16.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

6000

5000

4000

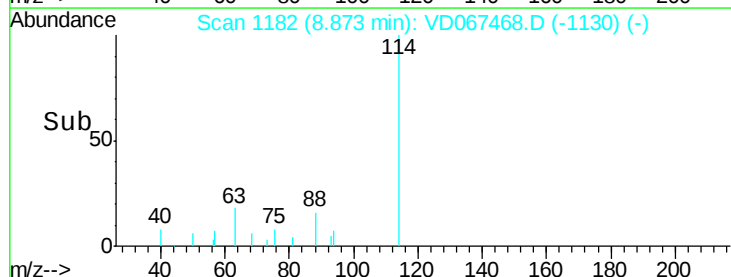
3000

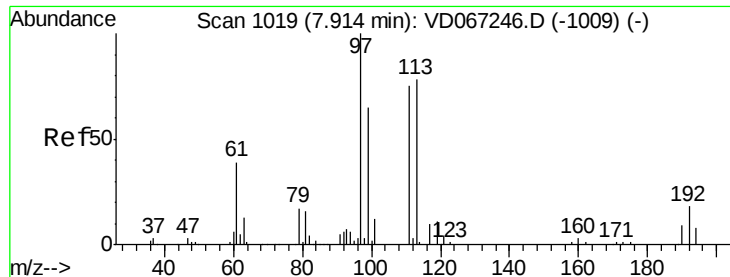
2000

1000

0

Time--> 8.80 8.85 8.90

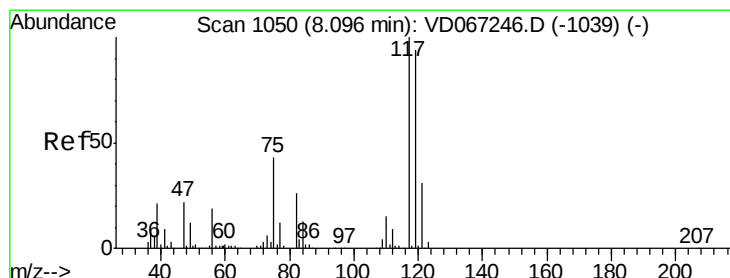
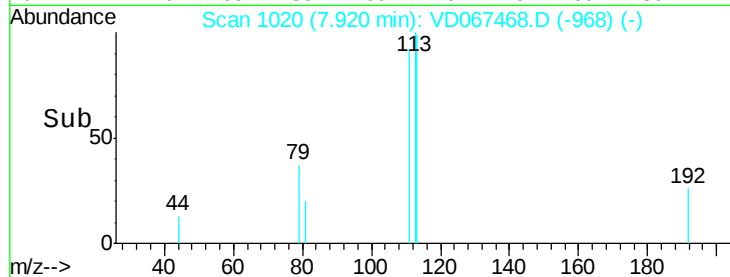
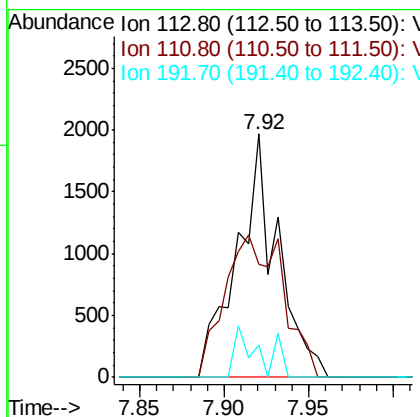
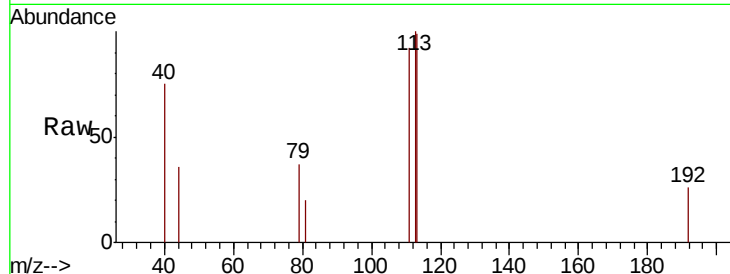




#35
 Dibromofluoromethane
 Concen: 53.176 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067468.D
 Acq: 30 Oct 2020 13:00

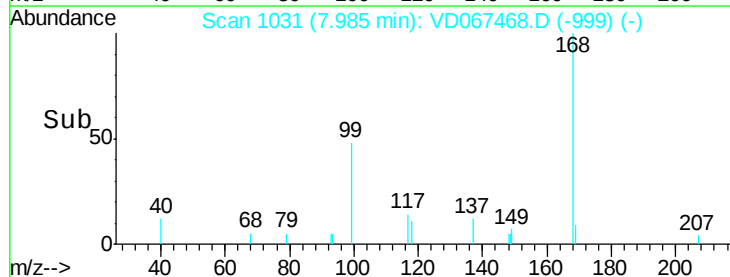
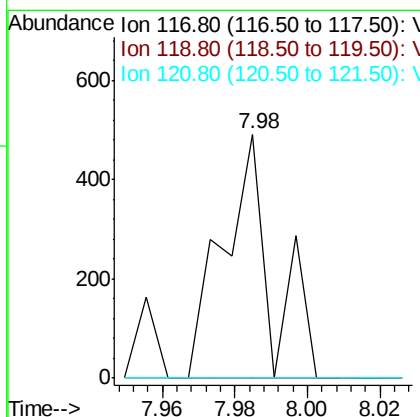
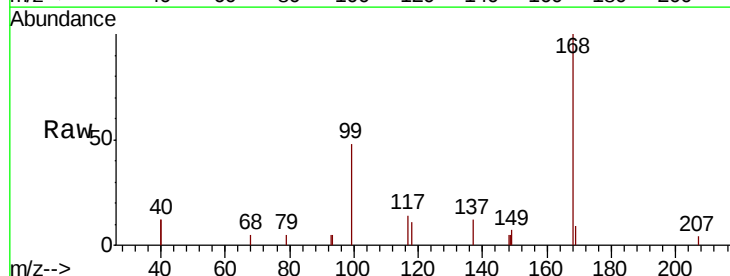
Instrument :
 MSVOA_D
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 B308-B309-LOC1-SO-0001

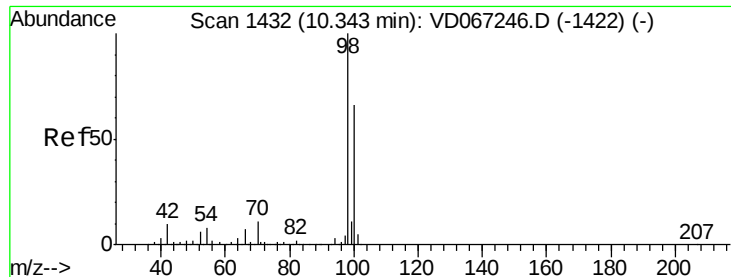
Tot Ion:113 Resp: 3277
 Ion Ratio Lower Upper
 113 100
 111 83.9 81.6 122.4
 192 9.1 17.0 25.4#



#38
 Carbon Tetrachloride
 Concen: 4.586 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067468.D
 Acq: 30 Oct 2020 13:00

Tgt Ion:117 Resp: 460
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.0 112.4#
 121 0.0 24.9 37.3#

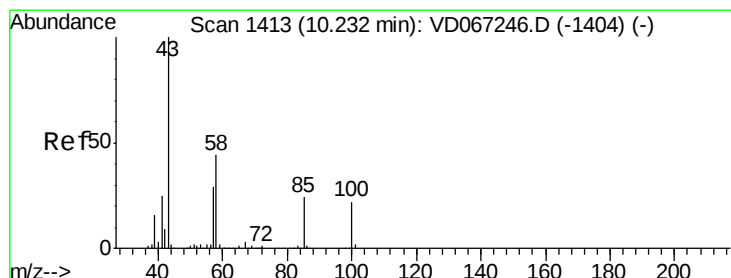
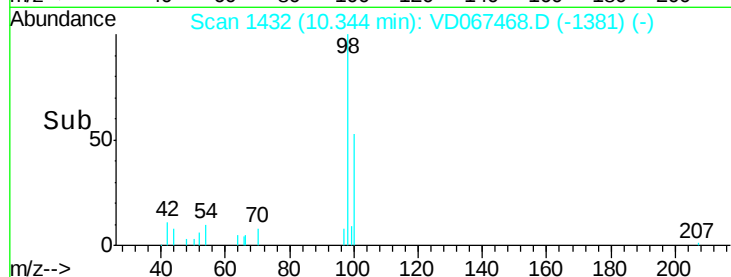
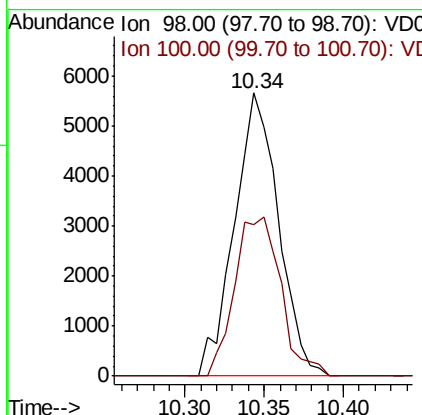
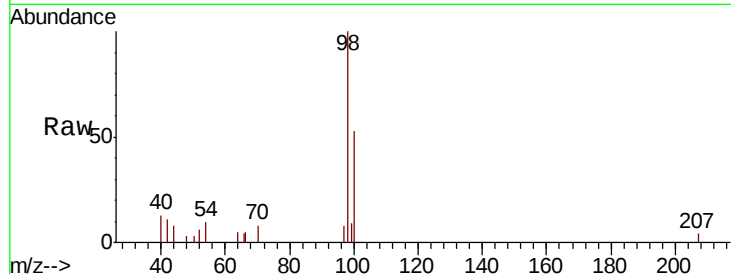




#50
Toluene-d8
Concen: 48.992 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

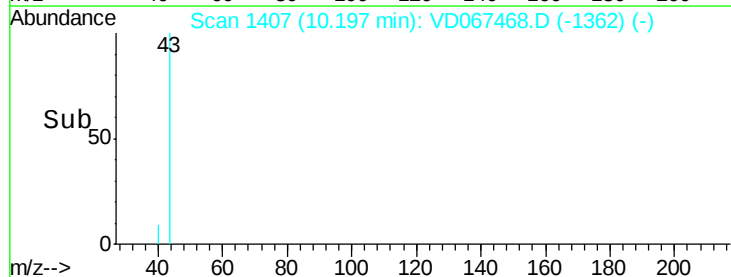
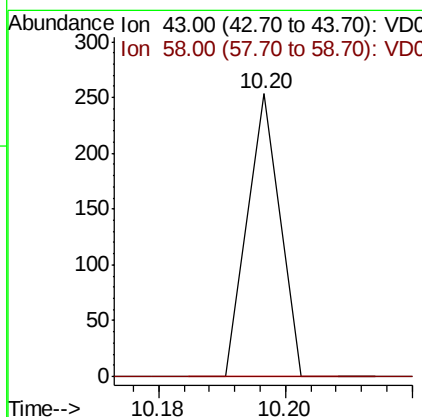
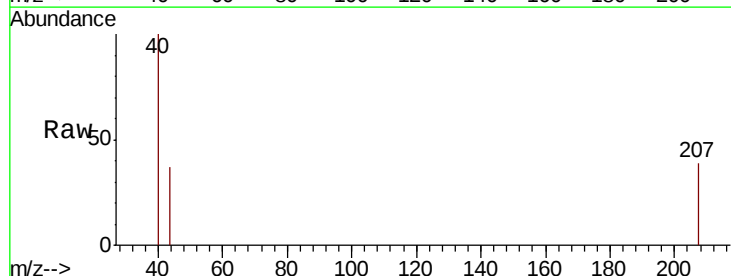
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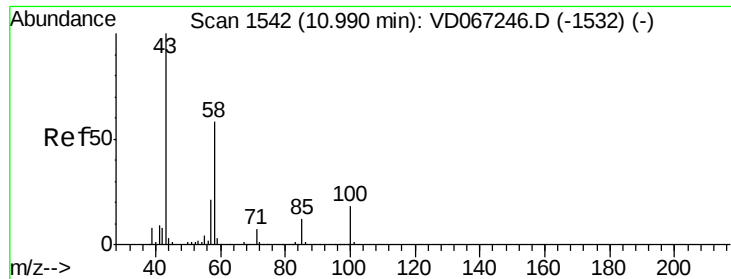
Tot Ion: 98 Resp: 10926
Ion Ratio Lower Upper
98 100
100 59.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.894 ug/l
RT: 10.20 min Scan# 1407
Delta R.T. -0.04 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

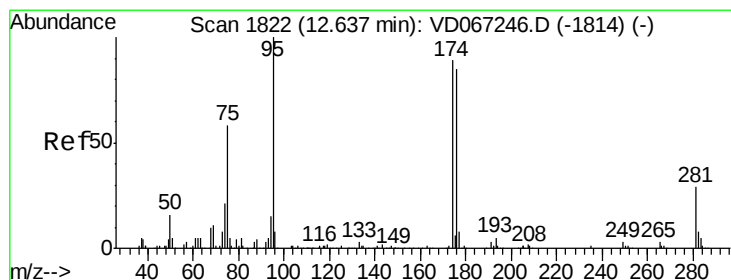
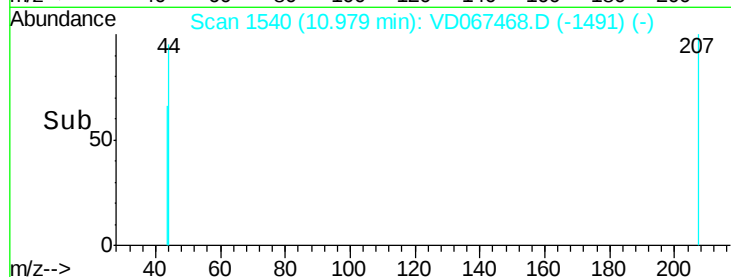
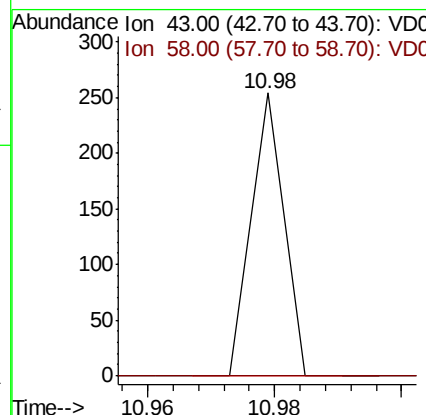
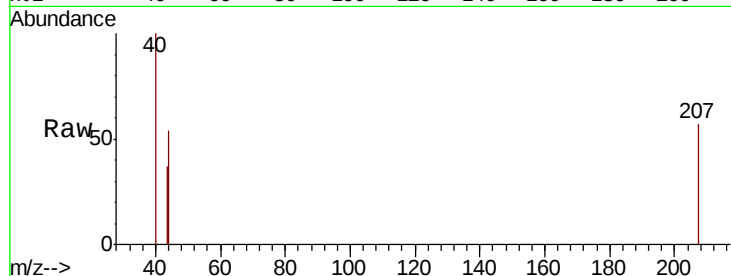




#59
2-Hexanone
Concen: 5.763 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

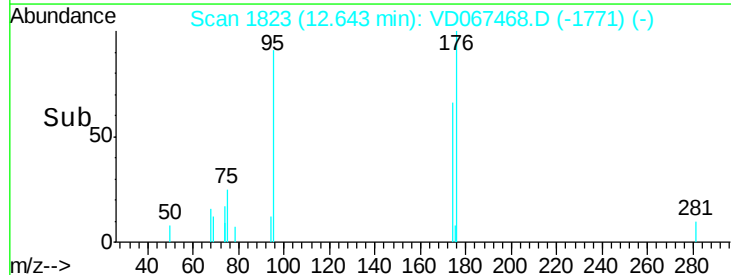
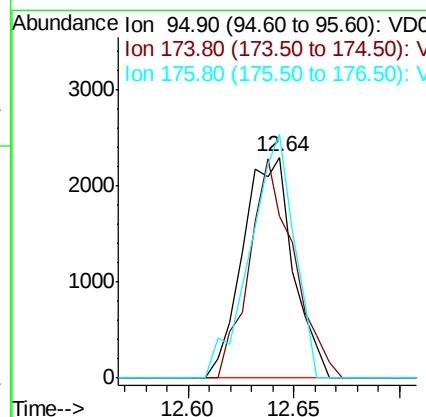
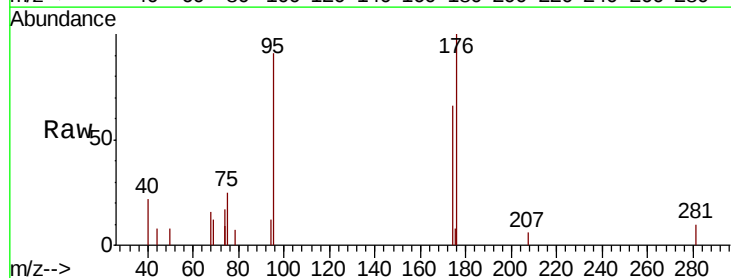
Instrument :
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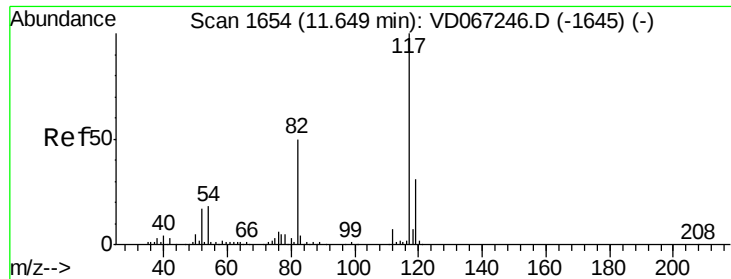
Tot Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 0.0 29.3 87.9#



#62
4-Bromofluorobenzene
Concen: 49.054 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

Tgt Ion: 95 Resp: 3804
Ion Ratio Lower Upper
95 100
174 88.0 0.0 175.2
176 96.3 0.0 168.6

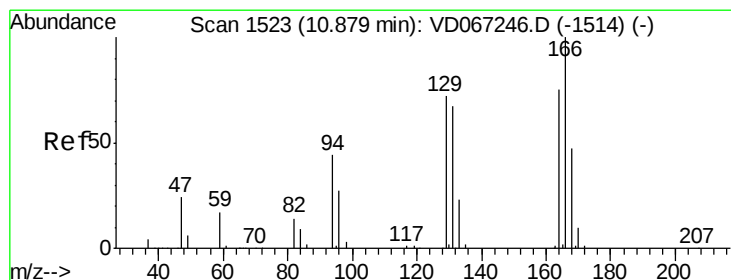
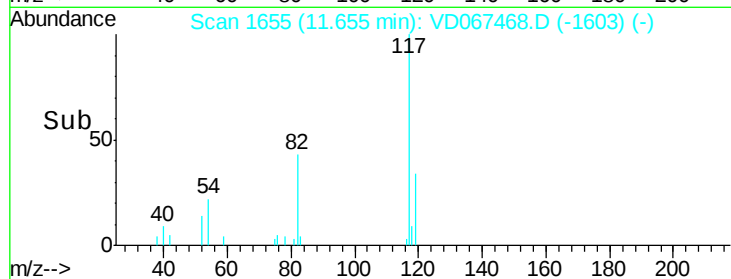
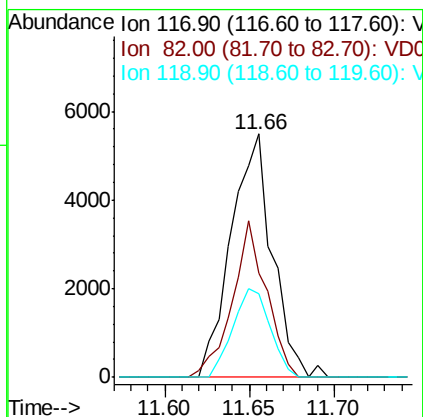
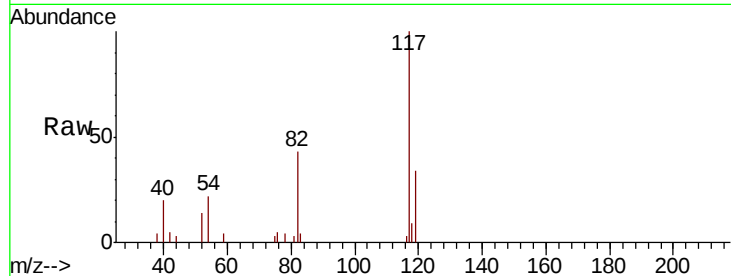




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

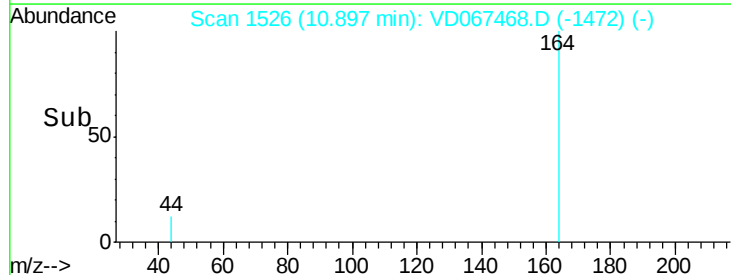
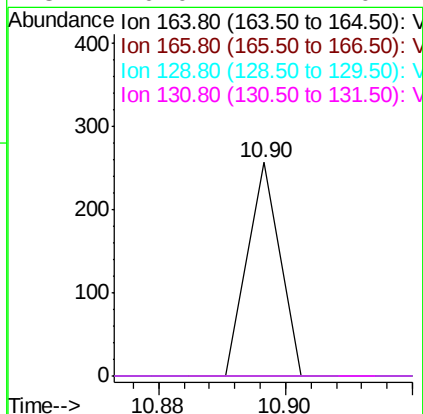
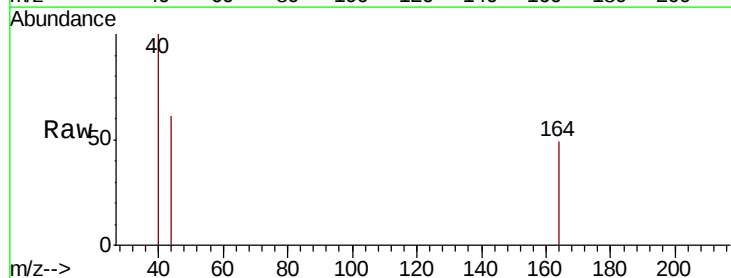
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0001

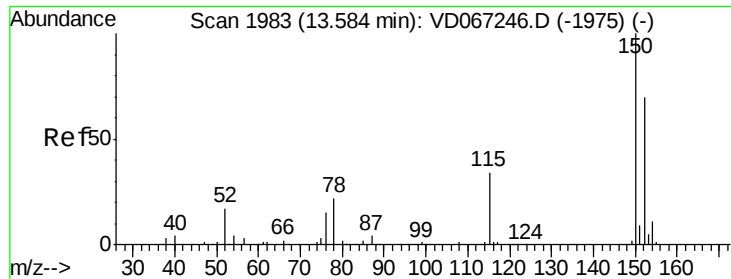
Tot Ion	Ratio	Lower	Upper
117	100		
82	43.0	39.9	59.9
119	34.2	24.9	37.3



#64
Tetrachloroethene
Concen: 1.330 ug/l
RT: 10.90 min Scan# 1526
Delta R.T. 0.02 min
Lab File: VD067468.D
Acq: 30 Oct 2020 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	107.3	160.9#
129	0.0	77.3	115.9#
131	0.0	71.4	107.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC1-SO-0001

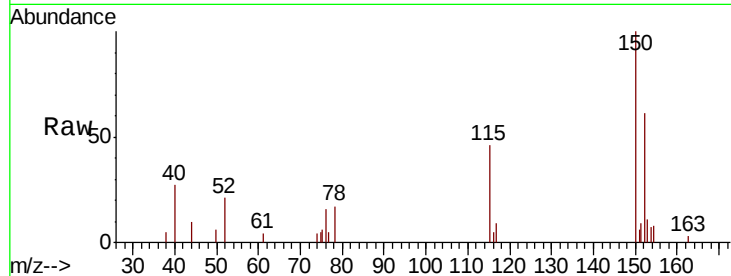
Tot Ion:152 Resp: 4891

Ion Ratio Lower Upper

152 100

115 54.6 29.3 87.9

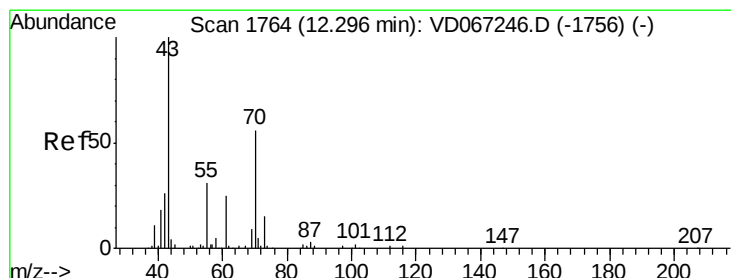
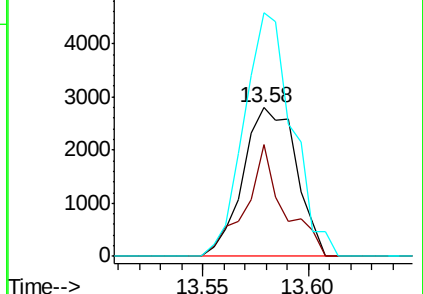
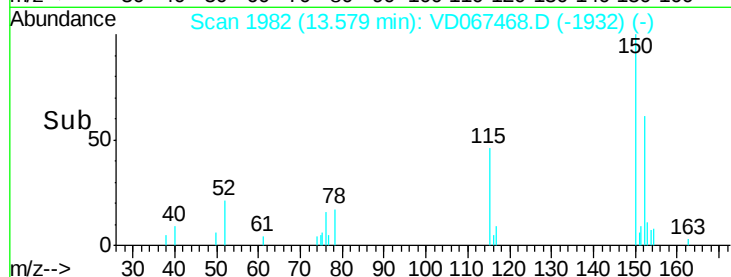
150 149.4 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.173 ug/l

RT: 12.50 min Scan# 1799

Delta R.T. 0.21 min

Lab File: VD067468.D

Acq: 30 Oct 2020 13:00

Tgt Ion: 43 Resp: 55

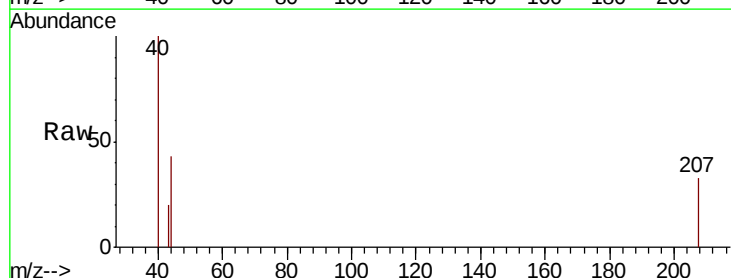
Ion Ratio Lower Upper

43 100

70 0.0 42.7 64.1#

55 0.0 24.0 36.0#

61 0.0 22.2 33.4#

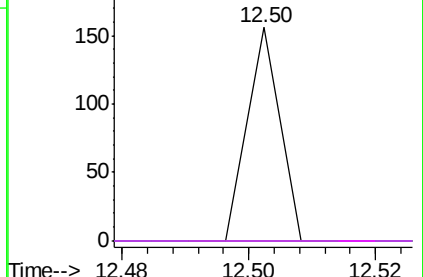
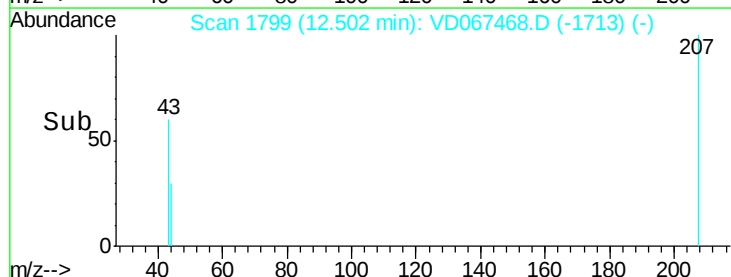


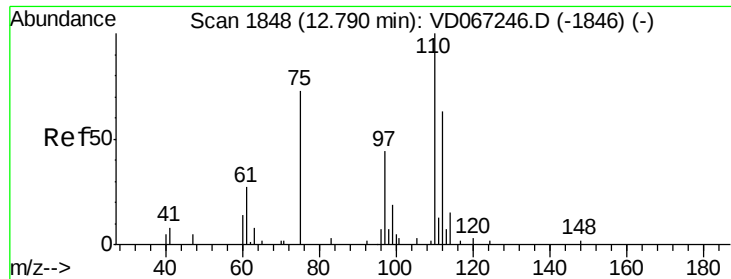
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

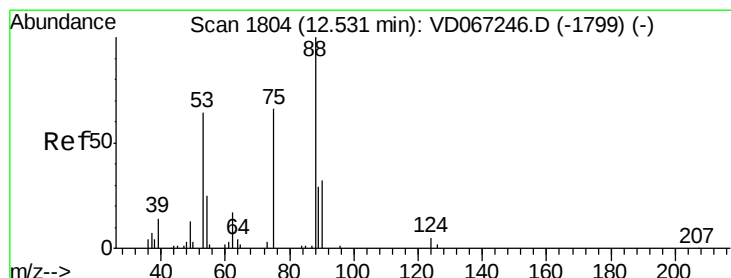
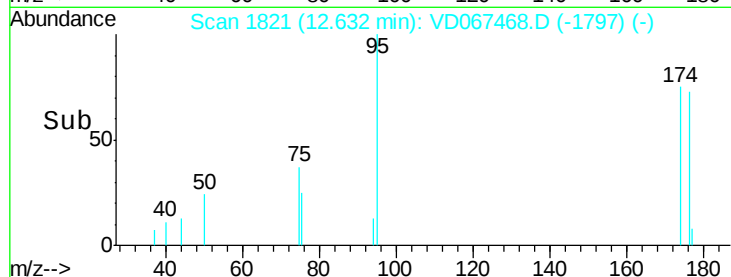
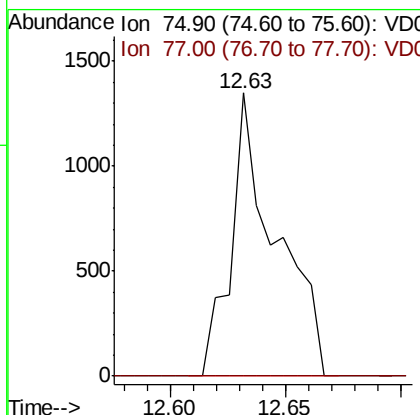
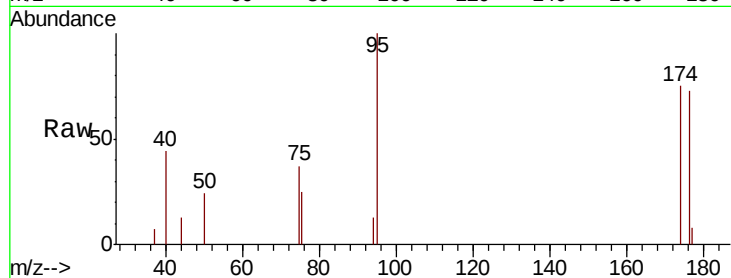




#76
 1,2,3-Trichloropropane
 Concen: 53.747 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.16 min
 Lab File: VD067468.D
 Acq: 30 Oct 2020 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

Tot Ion: 75 Resp: 1822
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.883 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD067468.D
 Acq: 30 Oct 2020 13:00

Tgt Ion: 75 Resp: 1822
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

