

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067517.D
 Acq On : 04 Nov 2020 13:48
 Operator : VA/SY
 Sample : L4619-01
 Misc : 7.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-COMP

Quant Time: Nov 05 00:37:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	295783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	489111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	153961	59.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.06%	
35) Dibromofluoromethane	7.92	113	155162	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.34	98	577493	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
62) 4-Bromofluorobenzene	12.64	95	212814	59.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.04%	

Target Compounds

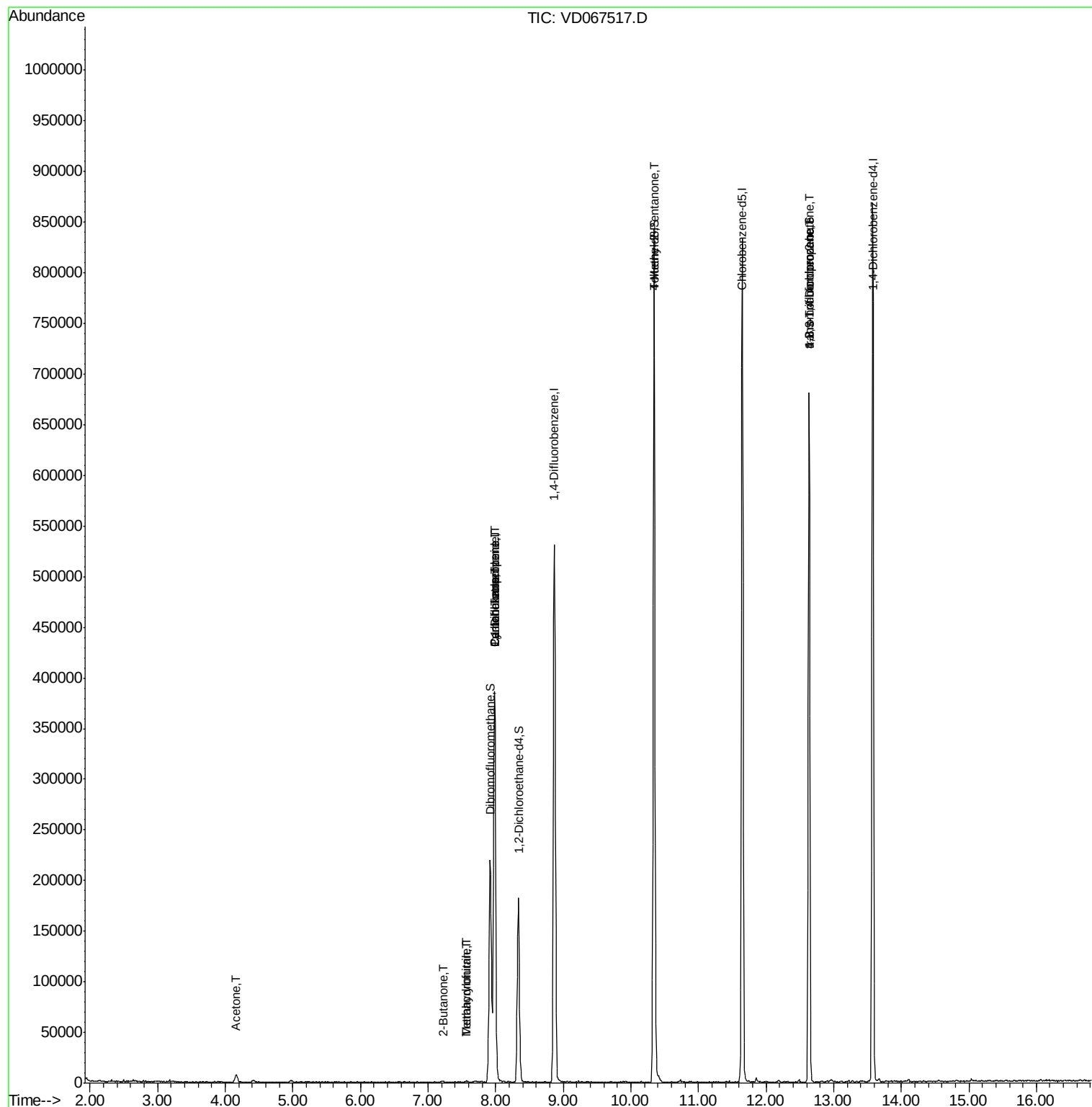
						Qvalue
2) Dichlorodifluoromethane	1.98	85	396	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	78	Below Cal	#	79
16) Acetone	4.16	43	14219	36.739	ug/l	91
25) 2-Butanone	7.22	43	1645	3.978	ug/l #	42
29) Tetrahydrofuran	7.56	42	453	1.829	ug/l #	36
31) Cyclohexane	7.99	56	5378	1.434	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	19892	4.751	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31648	5.818	ug/l #	16
41) Methacrylonitrile	7.57	41	750	1.154	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	2426	2.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109606	74.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109606	152.122	ug/l #	10

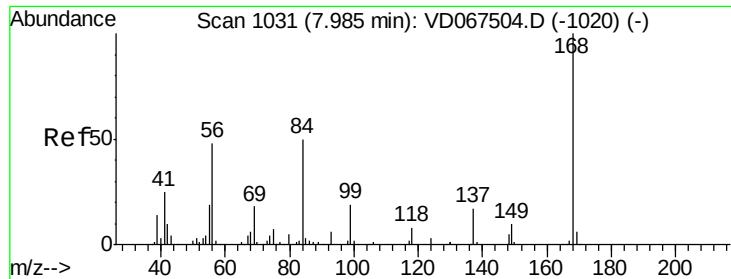
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

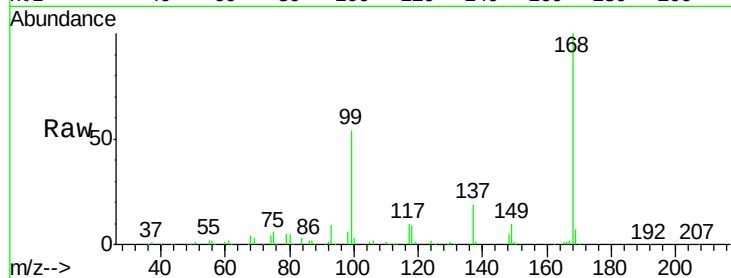
TP-2-COMP

Tot Ion:168 Resp: 295783

Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

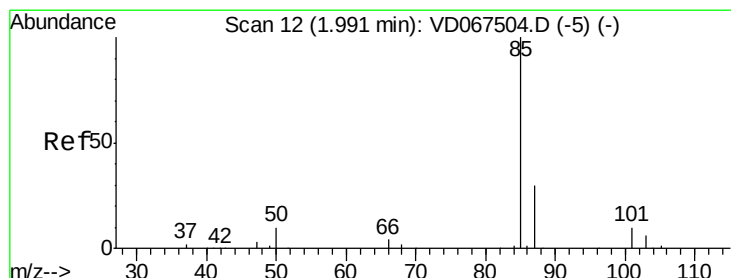
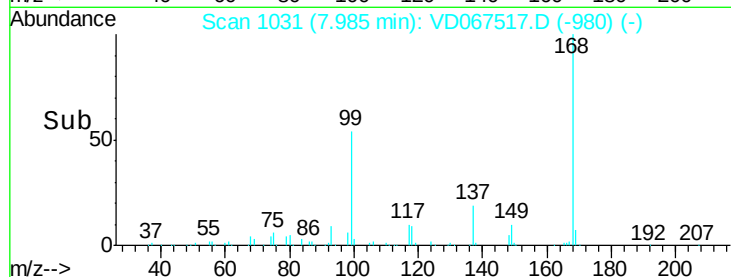
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067517.D

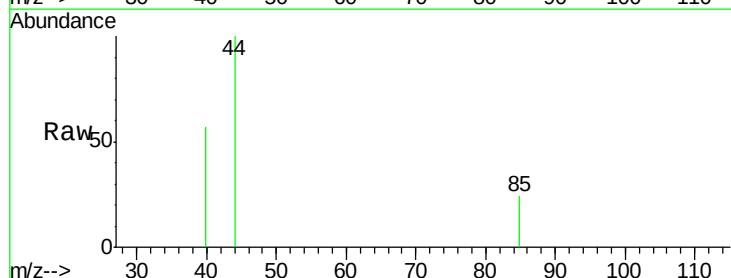
Acq: 04 Nov 2020 13:48

Tgt Ion: 85 Resp: 396

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

400

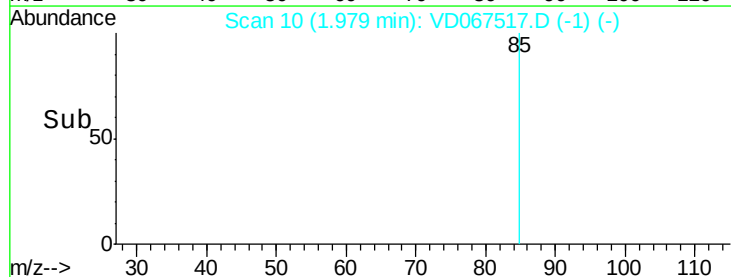
300

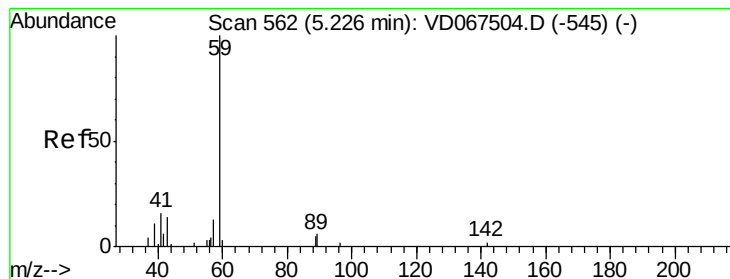
200

100

0

Time-->



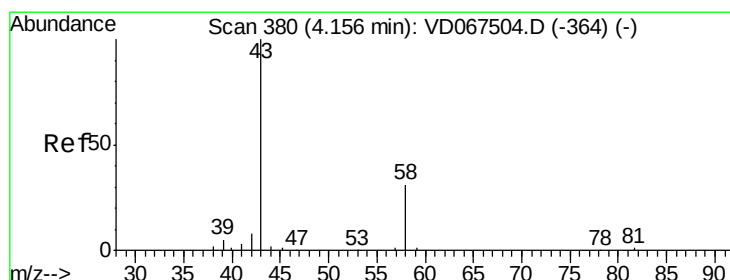
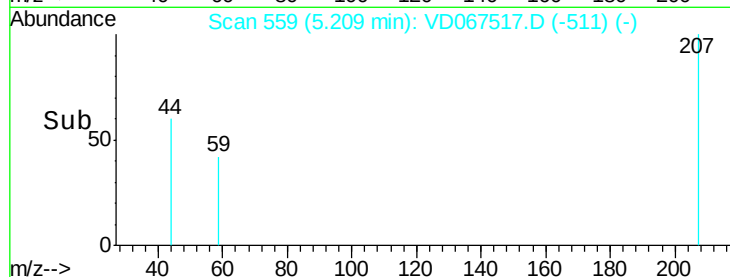
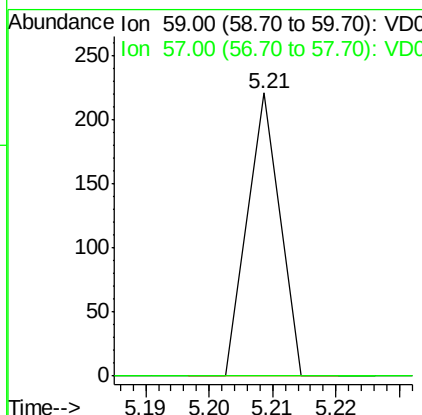
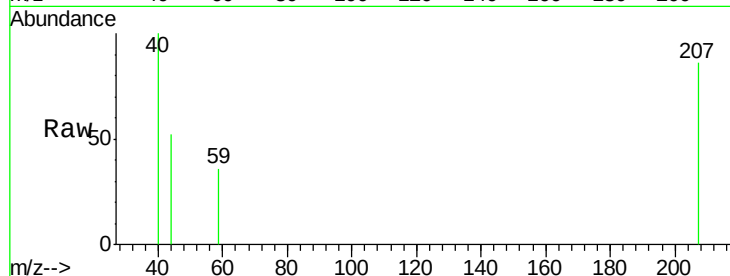


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-COMP

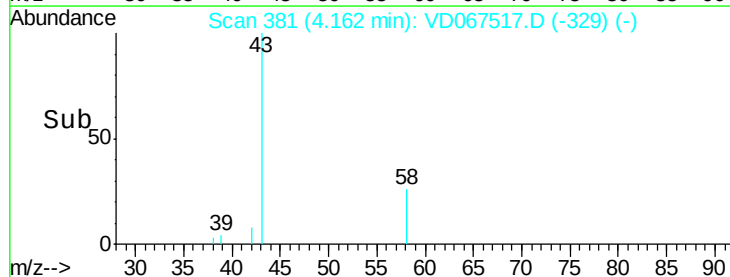
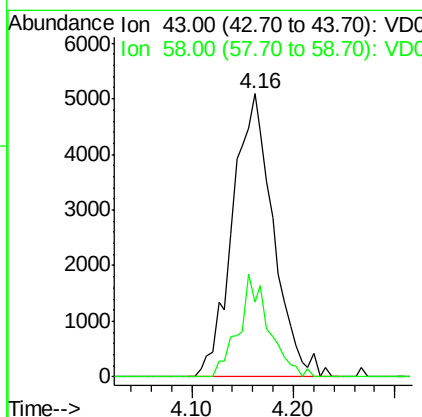
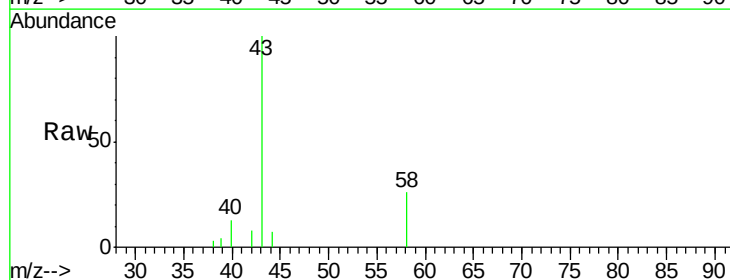
Tot Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

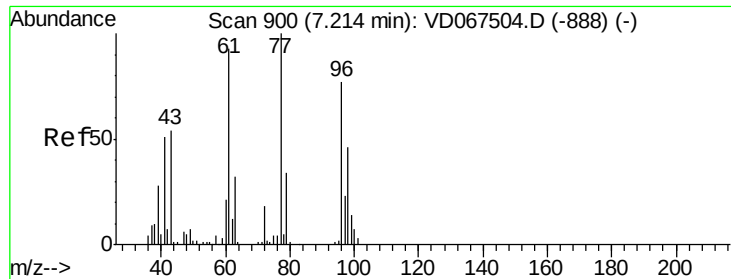


#16

Acetone
 Concen: 36.739 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

Tgt Ion: 43 Resp: 14219
 Ion Ratio Lower Upper
 43 100
 58 26.4 25.2 37.8





#25

2-Butanone

Concen: 3.978 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

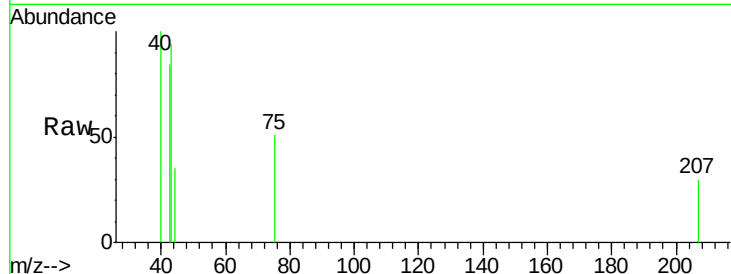
TP-2-COMP

Tot Ion: 43 Resp: 1645

Ion Ratio Lower Upper

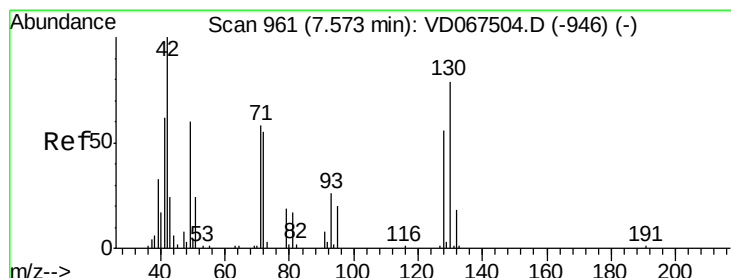
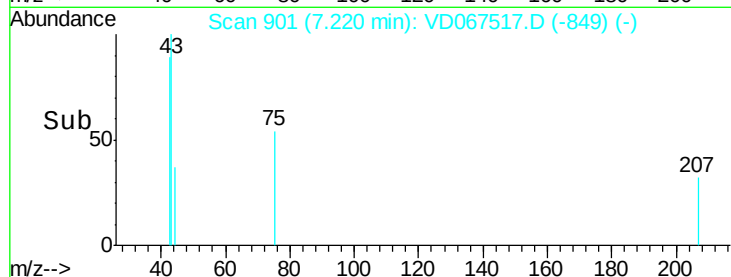
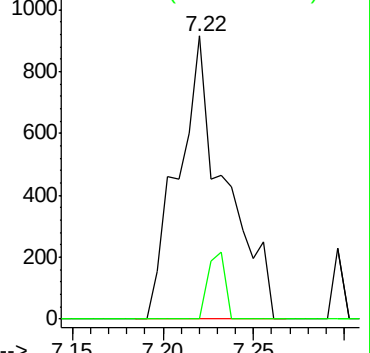
43 100

72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.829 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

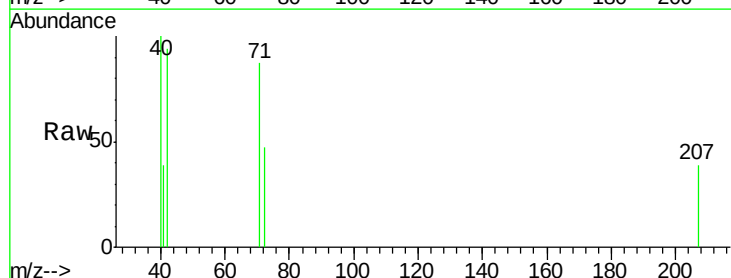
Tgt Ion: 42 Resp: 453

Ion Ratio Lower Upper

42 100

72 123.4 46.3 69.5#

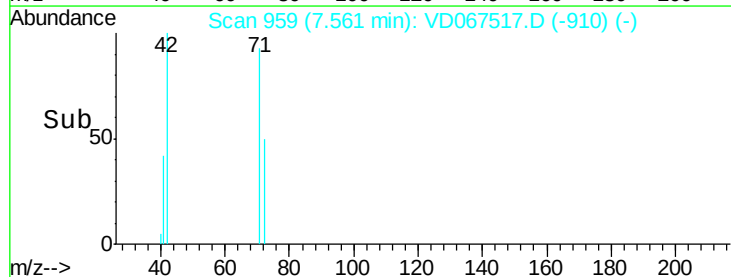
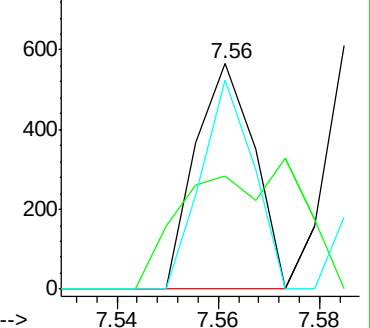
71 82.6 44.0 66.0#

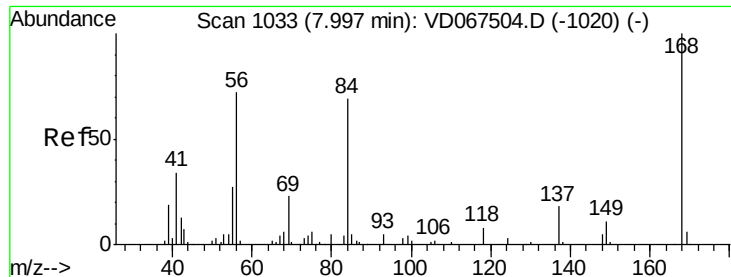


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

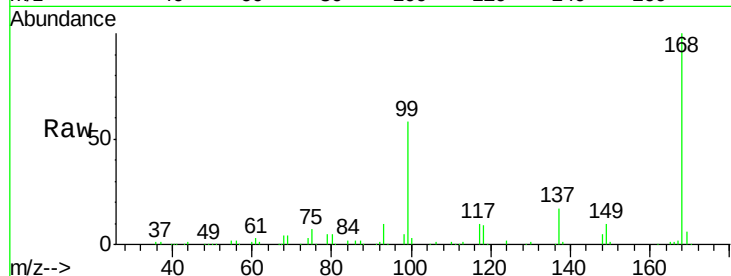




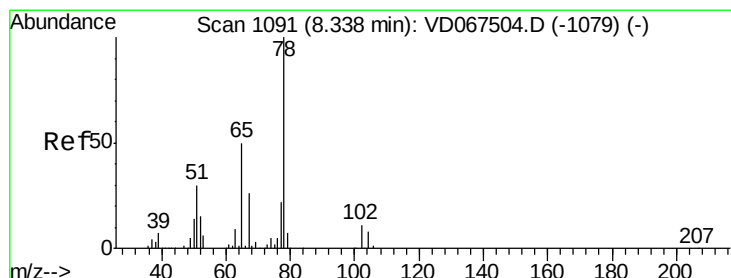
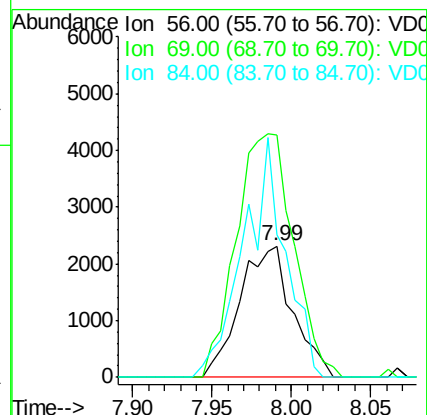
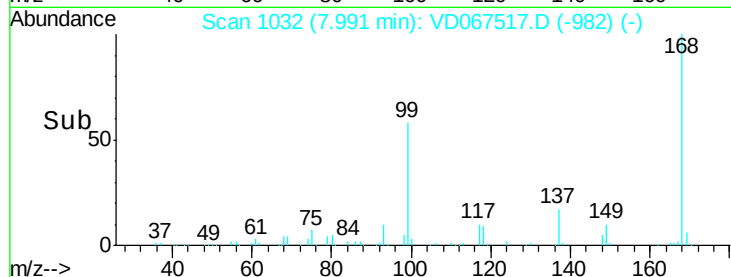
#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :
TP-2-COMP

Tot Ion: 56 Resp: 5378
Ion Ratio Lower Upper
56 100
69 185.4 25.9 38.9#
84 108.8 76.2 114.4

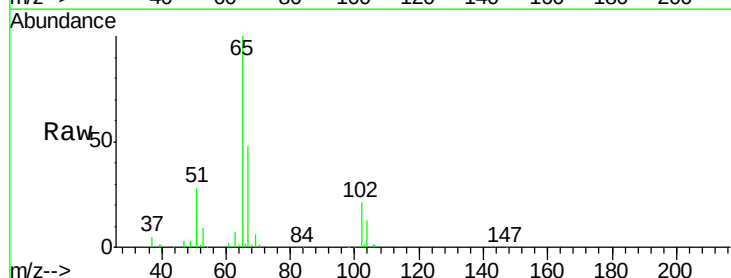


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

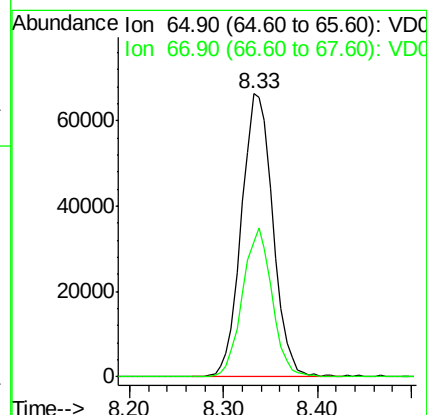
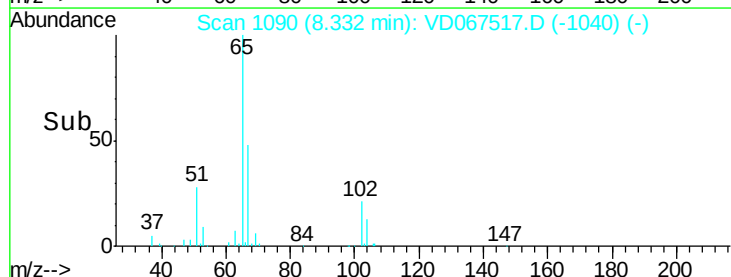


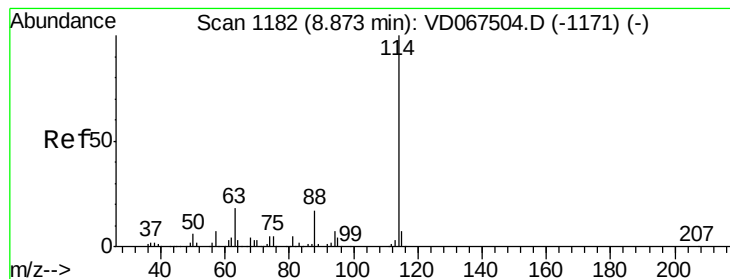
#33
1,2-Dichloroethane-d4
Concen: 59.530 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

Tgt Ion: 65 Resp: 153961
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.4



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. -0.01 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

TP-2-COMP

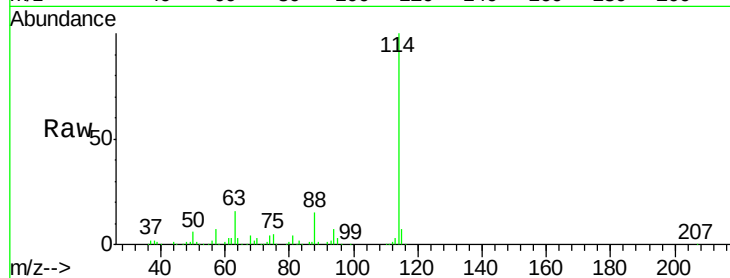
Tot Ion:114 Resp: 489111

Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.0

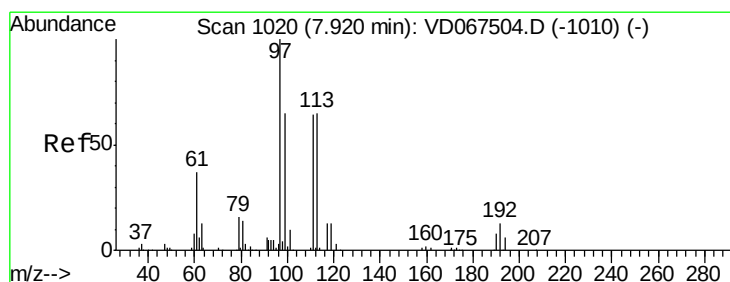
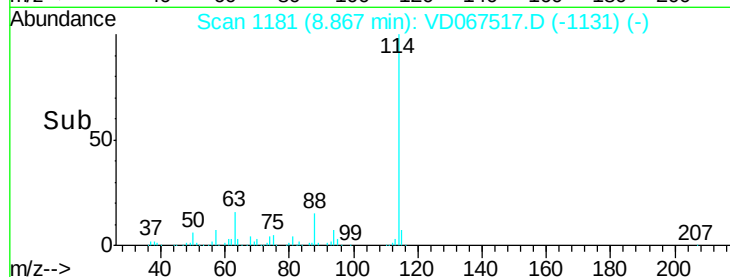
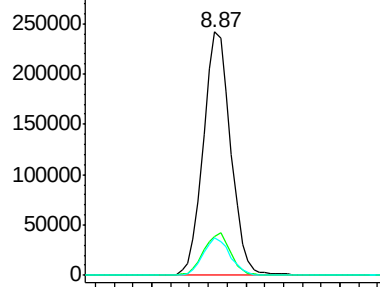
88 15.3 0.0 33.0



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: 52.653 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

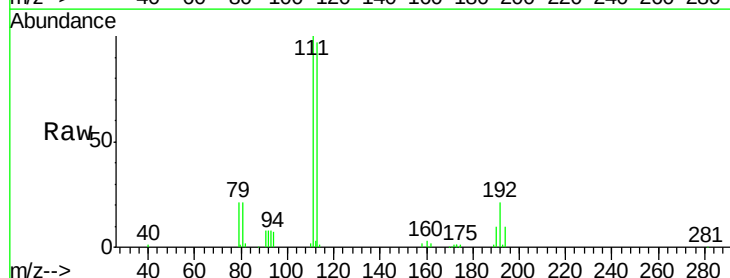
Tgt Ion:113 Resp: 155162

Ion Ratio Lower Upper

113 100

111 104.4 80.0 120.0

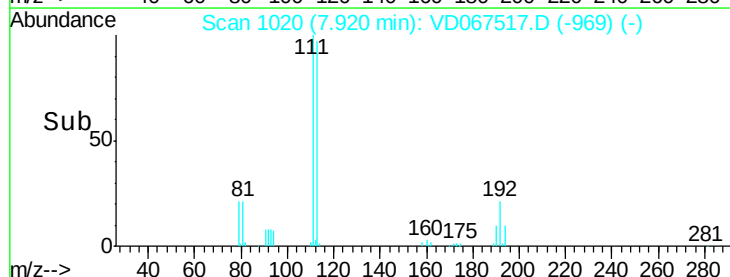
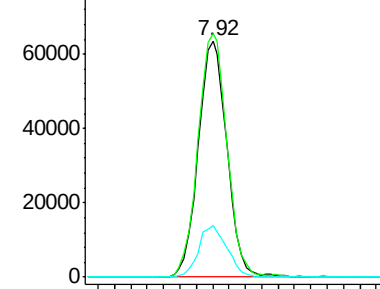
192 21.7 16.3 24.5

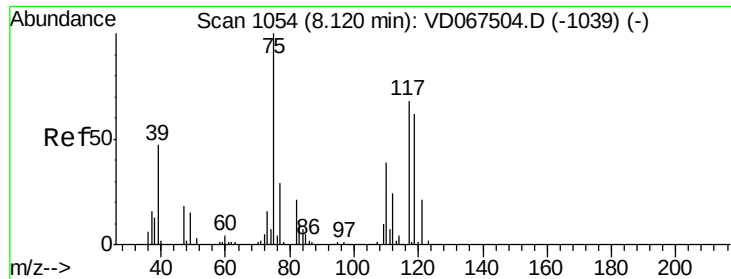


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

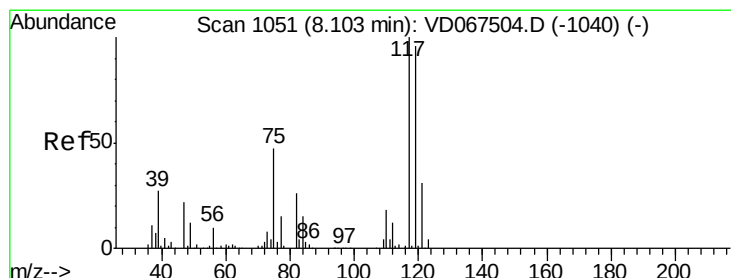
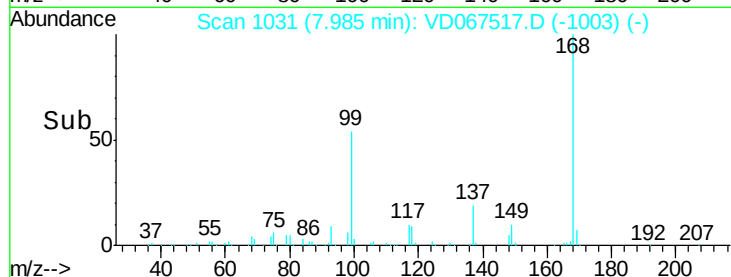
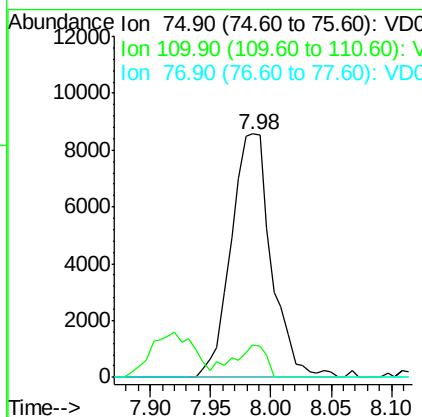
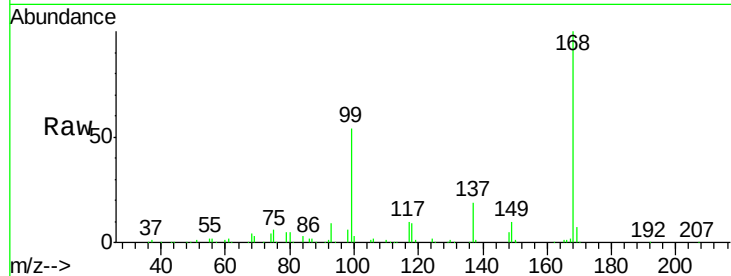




#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

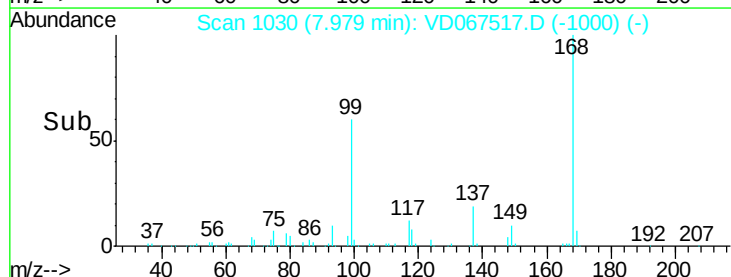
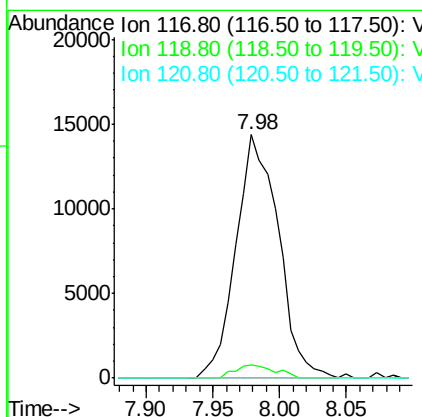
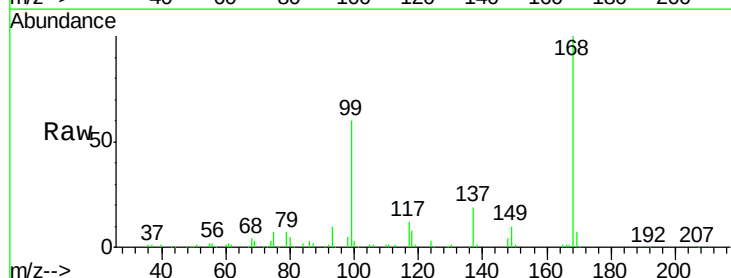
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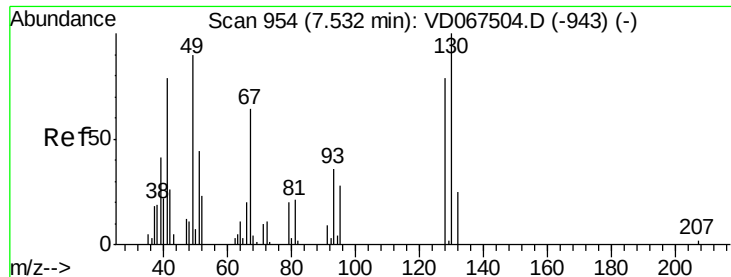
Tot Ion: 75 Resp: 19892
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.818 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

Tgt Ion: 117 Resp: 31648
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.9 115.3#
 121 0.0 24.5 36.7#

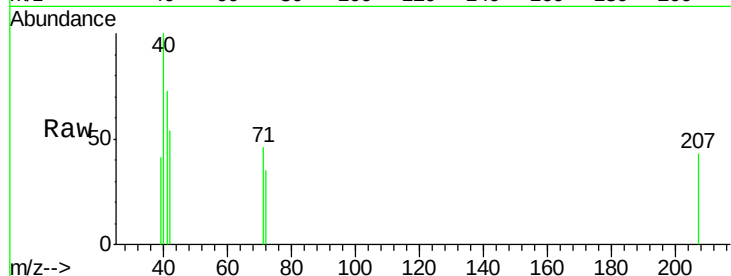




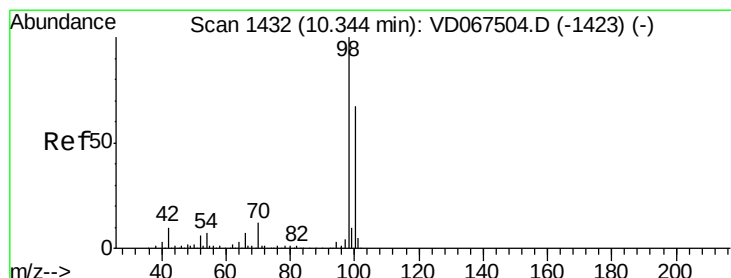
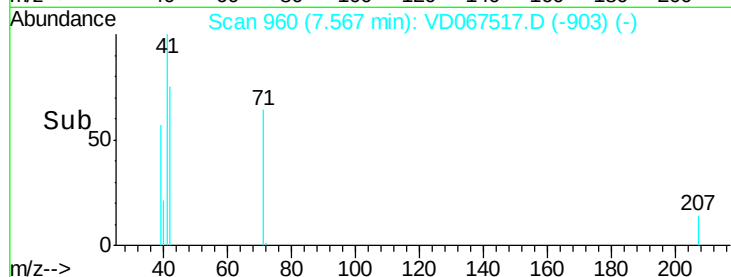
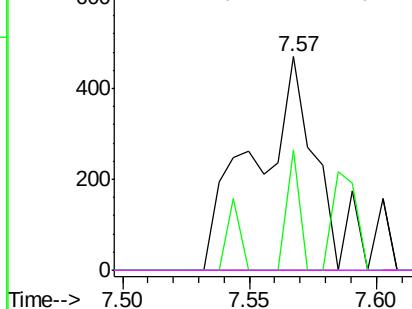
#41
Methacrylonitrile
Concen: 1.154 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :
TP-2-COMP

Tot Ion: 41 Resp: 750
Ion Ratio Lower Upper
41 100
39 12.5 51.3 76.9#
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#

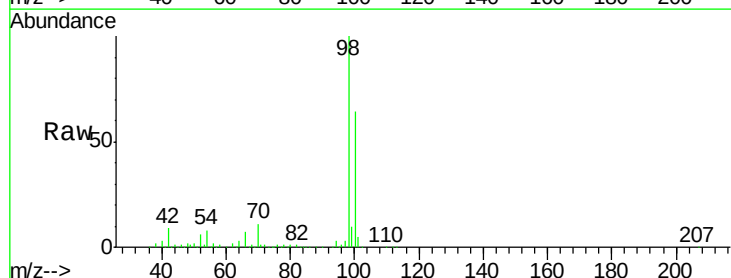


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

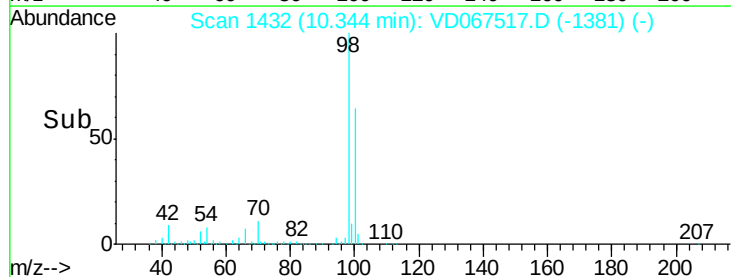
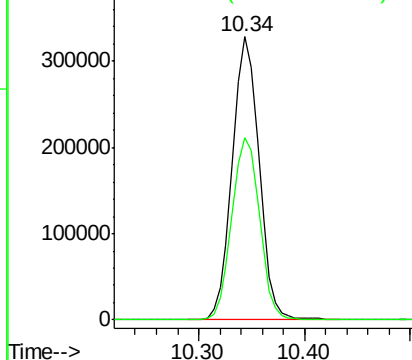


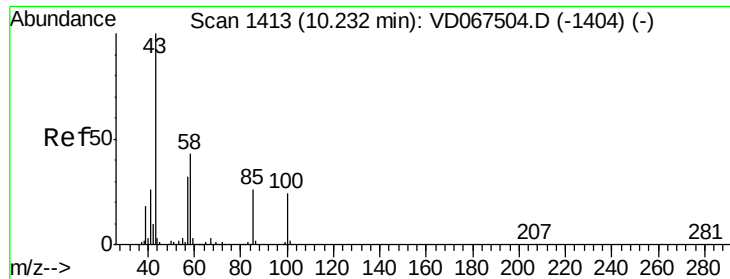
#50
Toluene-d8
Concen: 55.764 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

Tgt Ion: 98 Resp: 577493
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 2.360 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampled :

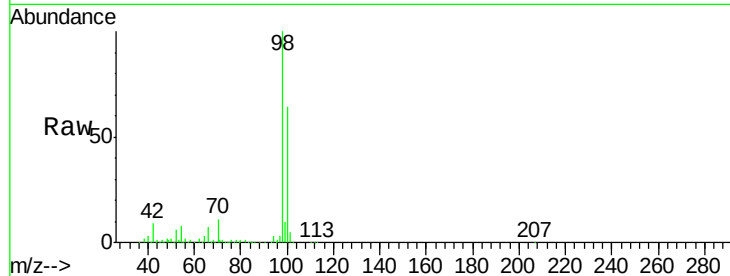
TP-2-COMP

Tot Ion: 43 Resp: 2426

Ion Ratio Lower Upper

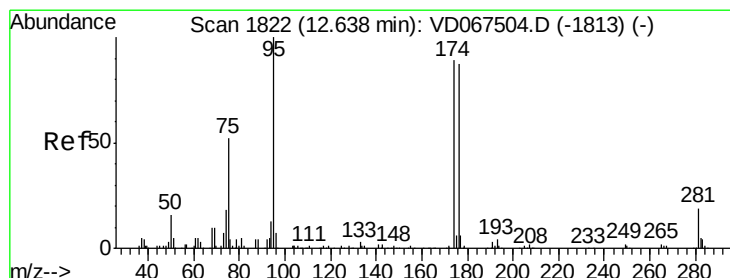
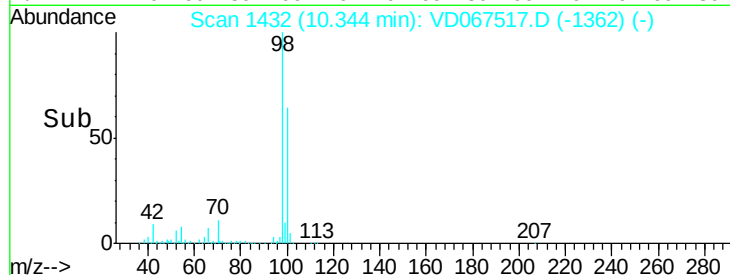
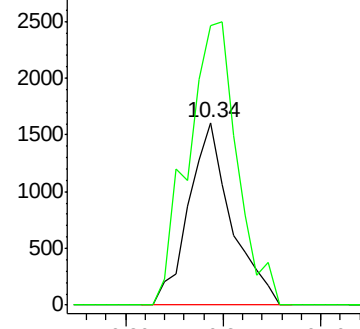
43 100

58 180.5 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 59.522 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067517.D

Acq: 04 Nov 2020 13:48

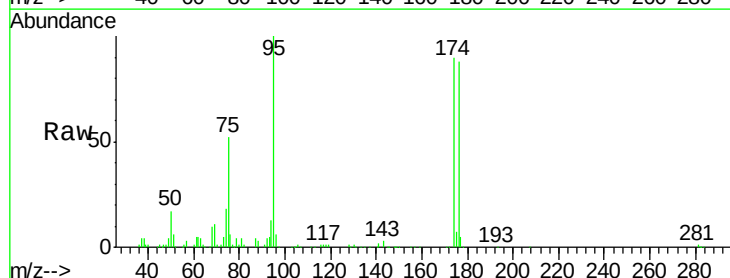
Tgt Ion: 95 Resp: 212814

Ion Ratio Lower Upper

95 100

174 90.7 0.0 177.8

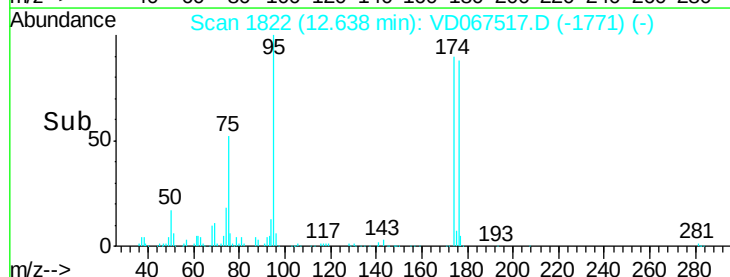
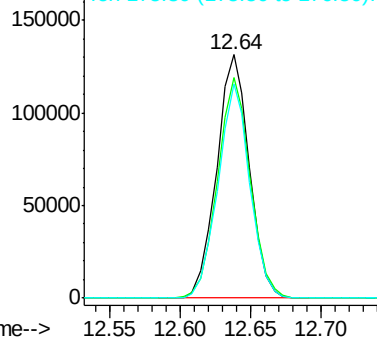
176 85.8 0.0 172.0

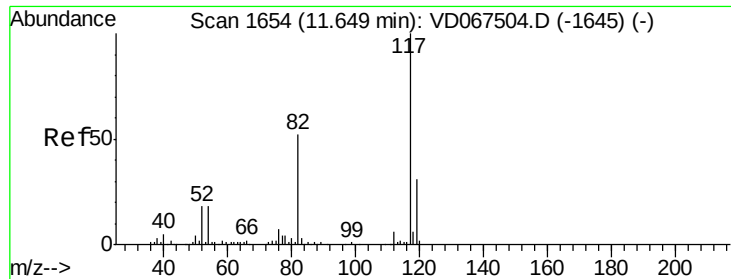


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

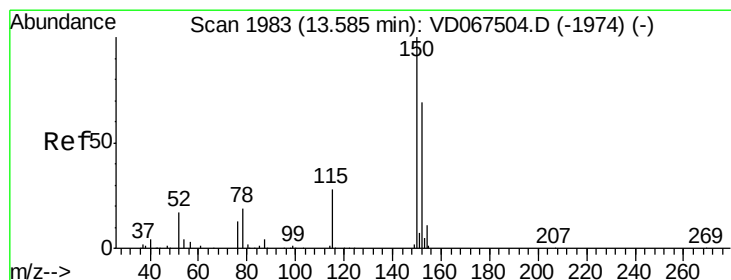
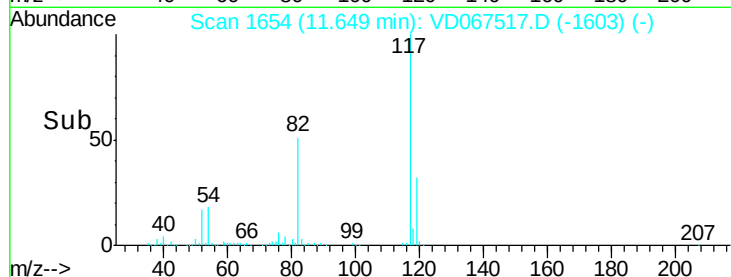
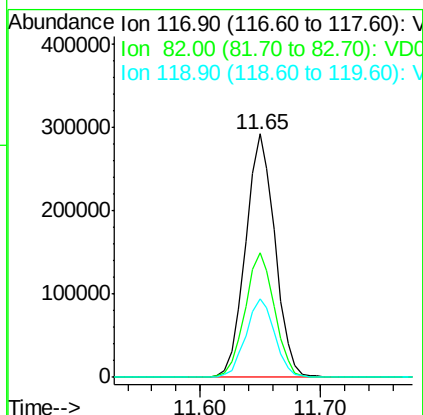
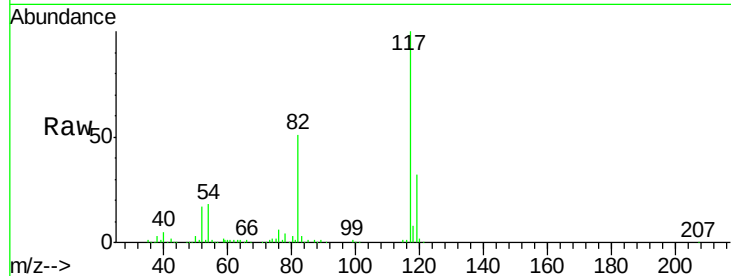




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

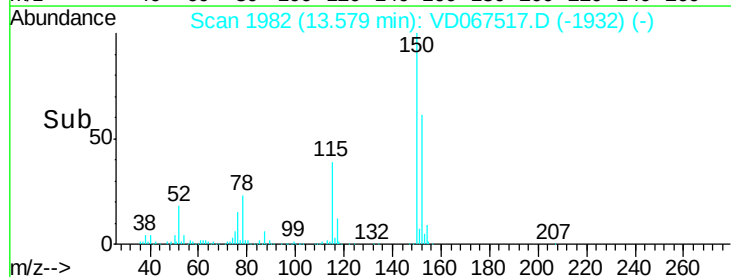
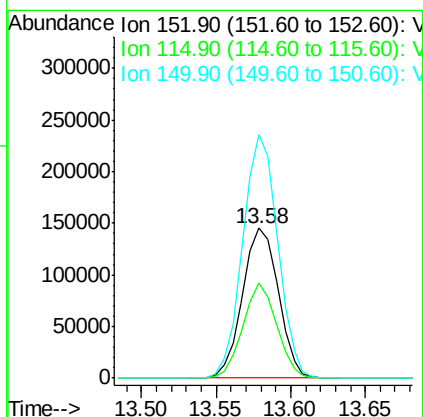
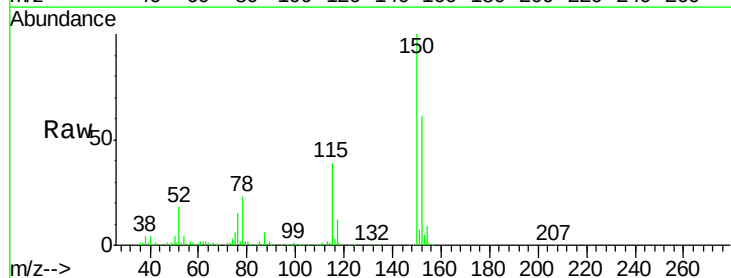
Instrument :
MSVOA_D
ClientSampleId :
TP-2-COMP

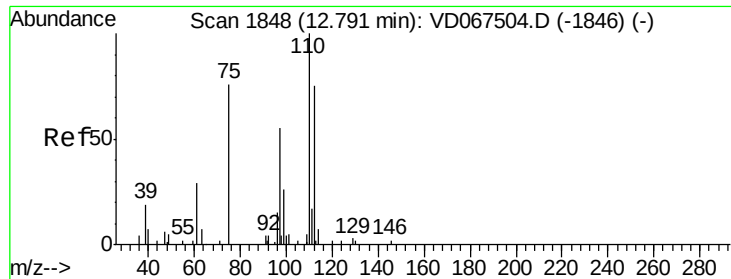
Tot Ion:117 Resp: 495810
Ion Ratio Lower Upper
117 100
82 51.3 41.6 62.4
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067517.D
Acq: 04 Nov 2020 13:48

Tgt Ion:152 Resp: 242489
Ion Ratio Lower Upper
152 100
115 59.7 29.3 88.0
150 157.9 0.0 338.2

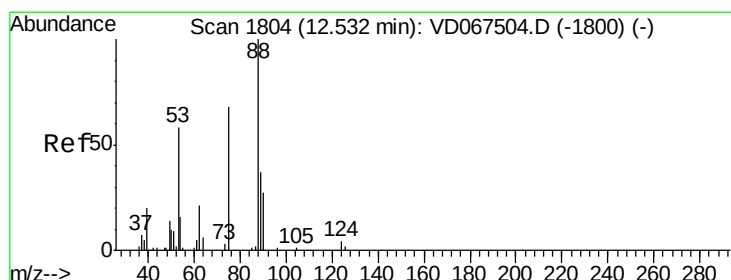
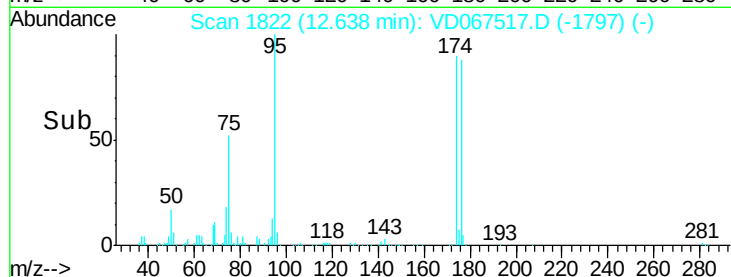
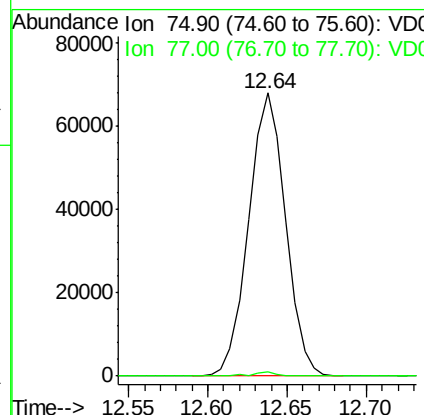
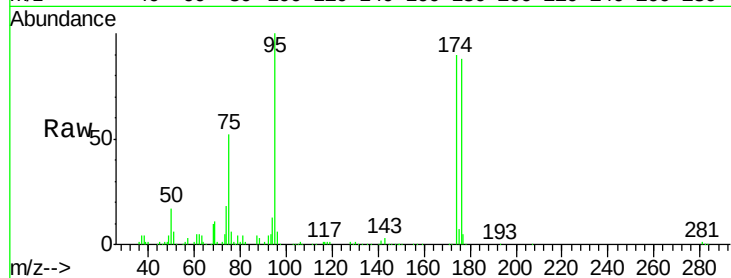




#76
 1,2,3-Trichloropropane
 Concen: 74.927 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-COMP

Tot Ion: 75 Resp: 109606
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.122 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067517.D
 Acq: 04 Nov 2020 13:48

Tgt Ion: 75 Resp: 109606
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.0 44.6 67.0#

