

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065625.D
 Acq On : 13 Apr 2020 19:10
 Operator : VA/SY
 Sample : L2230-03
 Misc : 7.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Apr 14 02:14:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	382074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	768066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	859373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	435419	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	237052	65.60	ug/l	0.00
Spiked Amount			Recovery	=	131.20%	
35) Dibromofluoromethane	7.92	113	273224	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.34	98	1017073	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.64	95	379068	60.20	ug/l	0.00
Spiked Amount			Recovery	=	120.40%	

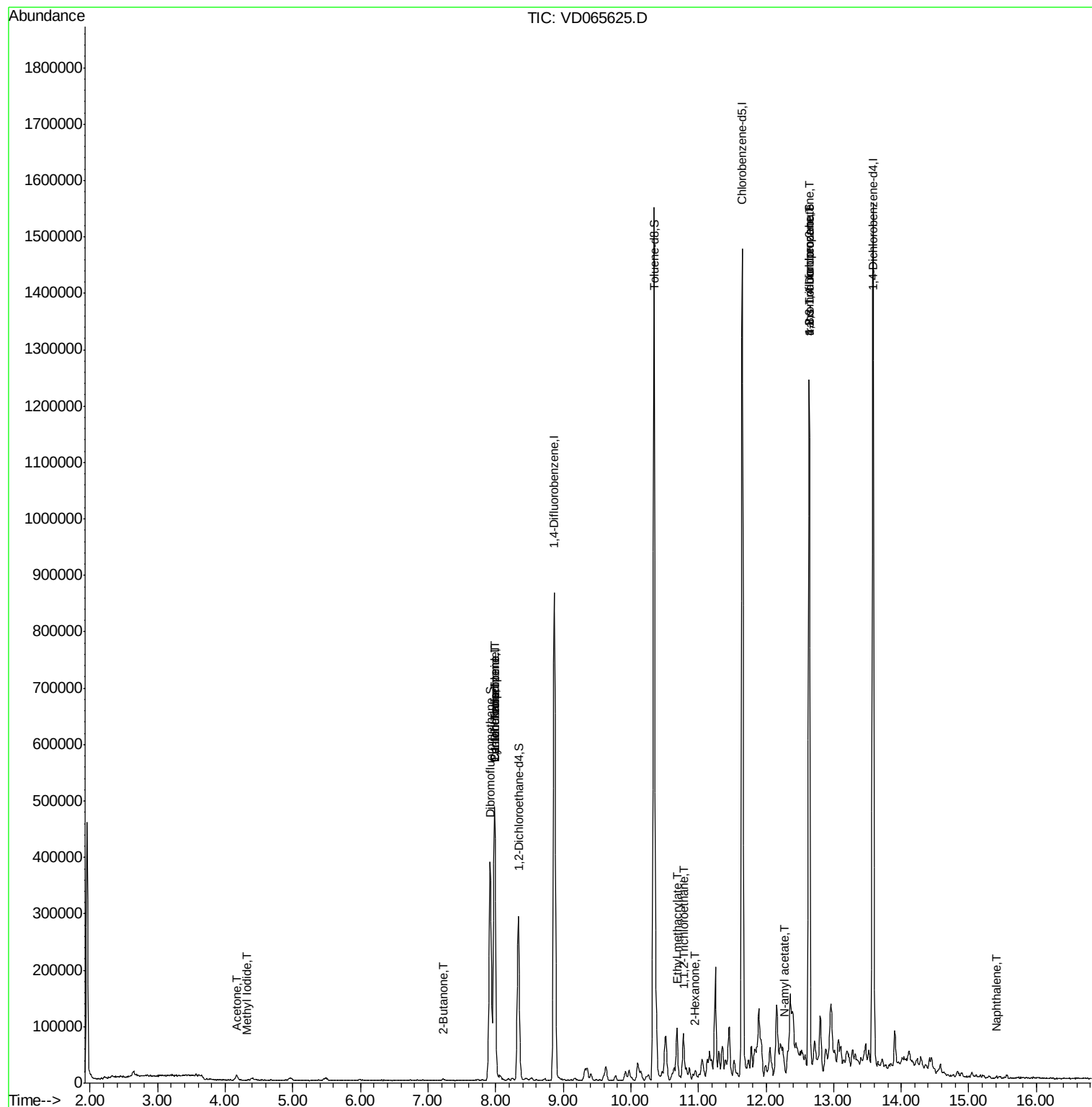
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	314	2.646	ug/l #	41
16) Acetone	4.17	43	13691	20.982	ug/l	99
25) 2-Butanone	7.22	43	3288	3.681	ug/l #	84
31) Cyclohexane	7.98	56	8466	1.313	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	27295	3.452	ug/l #	47
38) Carbon Tetrachloride	7.98	117	33617	3.915	ug/l #	17
55) 1,1,2-Trichloroethane	10.78	97	29127	7.019	ug/l #	21
56) Ethyl methacrylate	10.68	69	9212	5.051	ug/l #	6
59) 2-Hexanone	10.96	43	7283	3.970	ug/l #	24
74) N-amyl acetate	12.27	43	5406	3.742	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	189761	54.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	189761	125.870	ug/l #	13
95) Naphthalene	15.41	128	3096	4.192	ug/l #	85

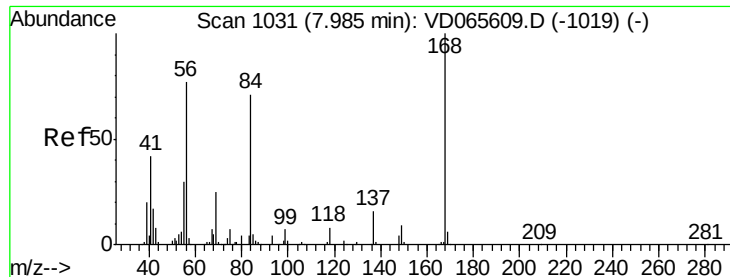
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041320\
Data File : VD065625.D
Acq On : 13 Apr 2020 19:10
Operator : VA/SY
Sample : L2230-03
Misc : 7.41G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Apr 14 02:14:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:39:58 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: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

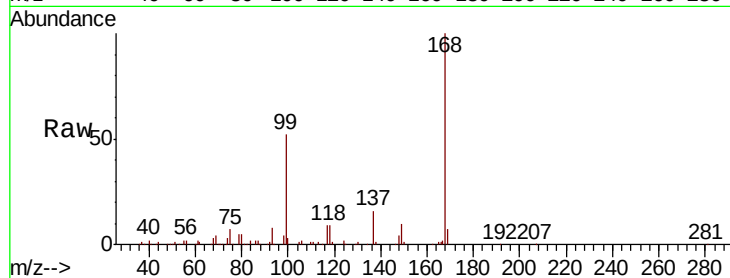
TP-3

Tot Ion:168 Resp: 382074

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

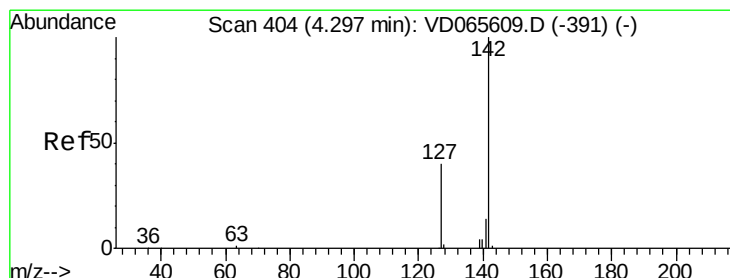
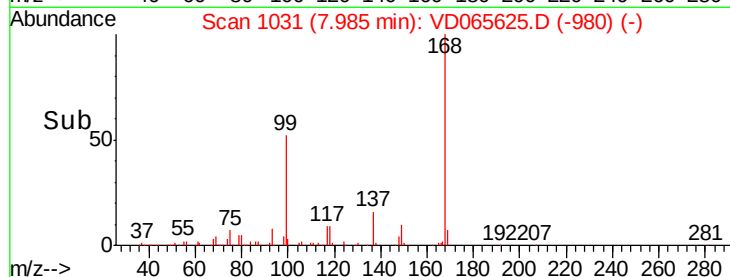
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.646 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

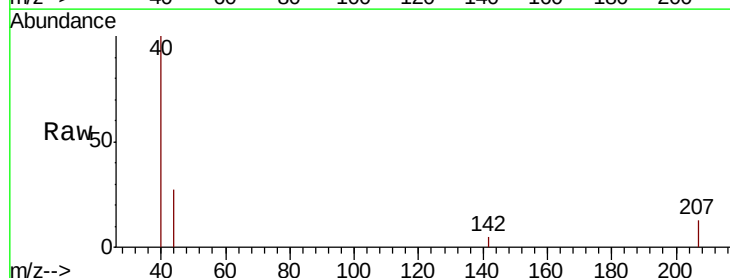
Tgt Ion:142 Resp: 314

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.7 17.5#



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

4.31

250

200

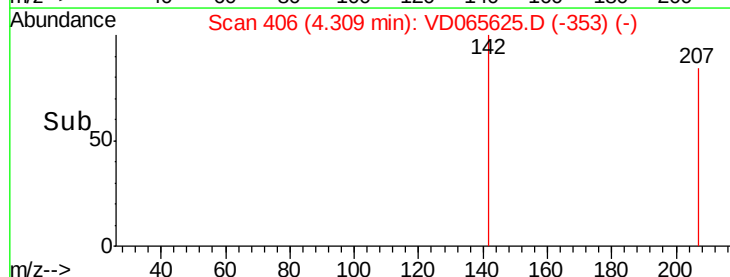
150

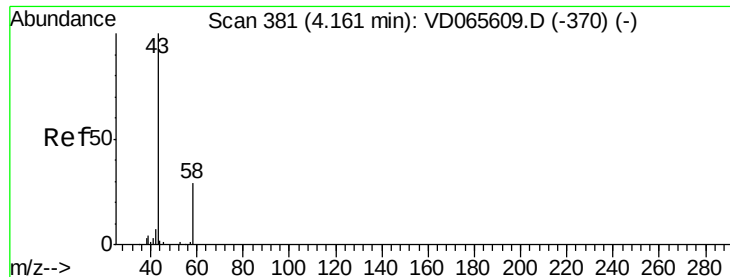
100

50

0

Time-->





#16

Acetone

Concen: 20.982 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

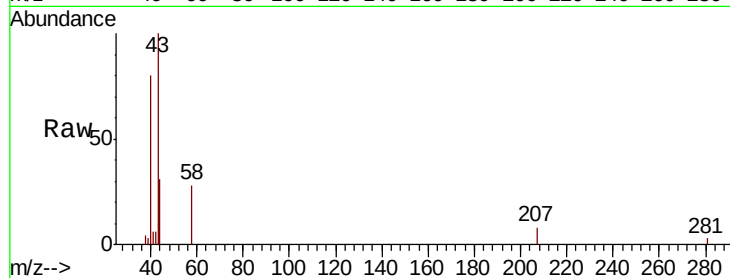
TP-3

Tot Ion: 43 Resp: 13691

Ion Ratio Lower Upper

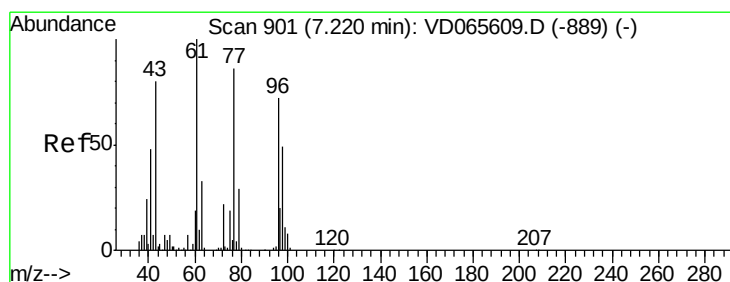
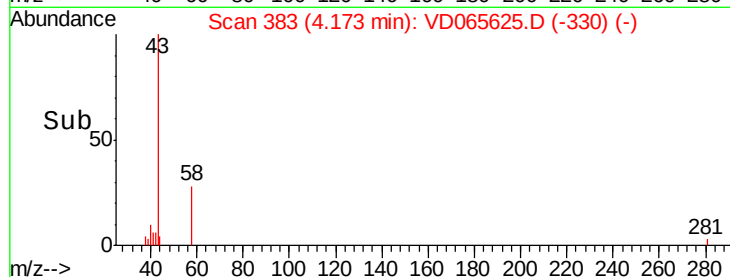
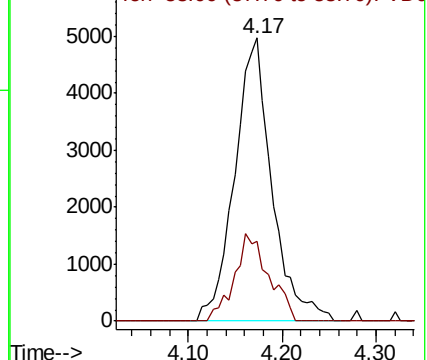
43 100

58 28.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 3.681 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065625.D

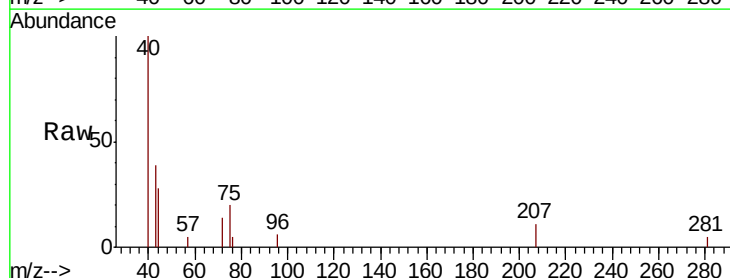
Acq: 13 Apr 2020 19:10

Tgt Ion: 43 Resp: 3288

Ion Ratio Lower Upper

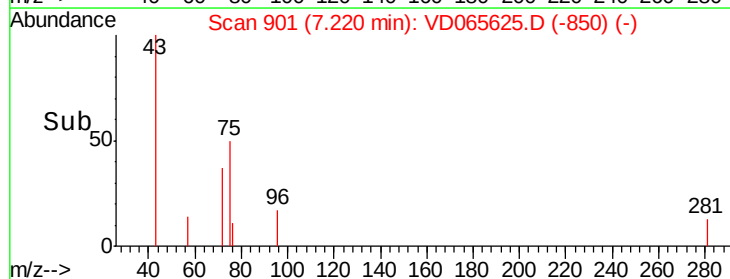
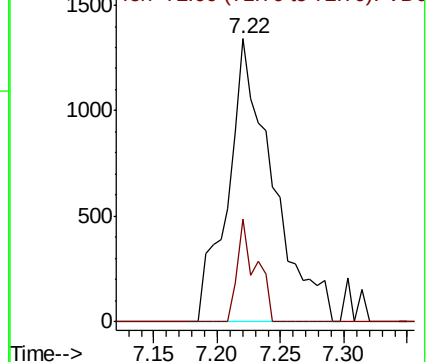
43 100

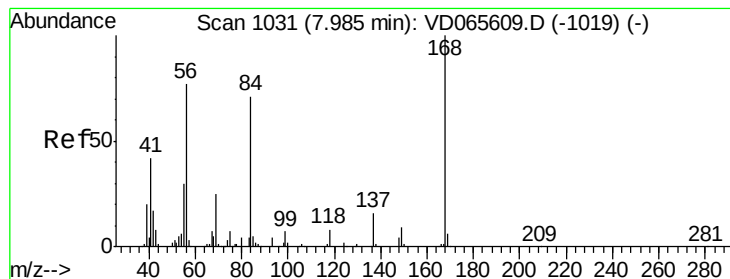
72 36.5 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

TP-3

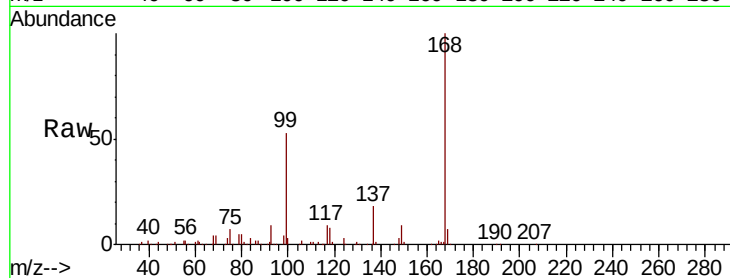
Tot Ion: 56 Resp: 8466

Ion Ratio Lower Upper

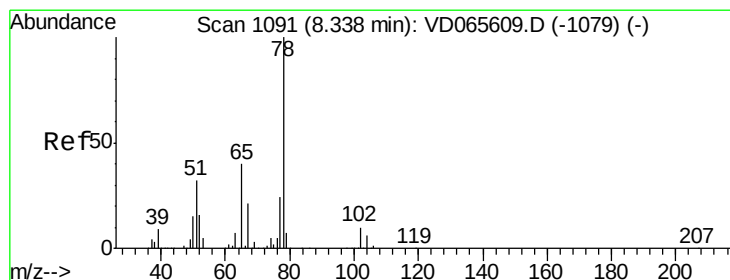
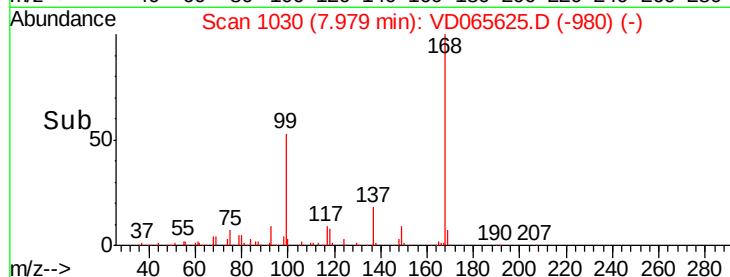
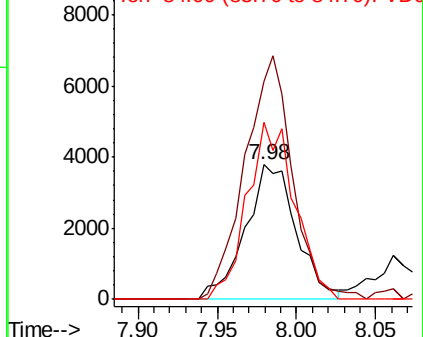
56 100

69 161.5 26.2 39.4#

84 131.6 73.7 110.5#



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: 65.602 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065625.D

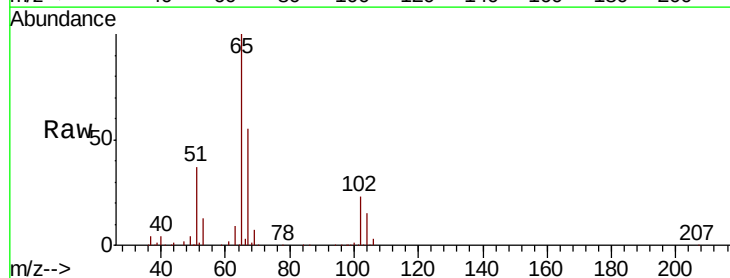
Acq: 13 Apr 2020 19:10

Tgt Ion: 65 Resp: 237052

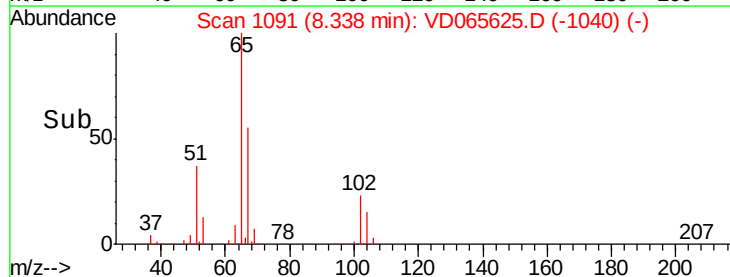
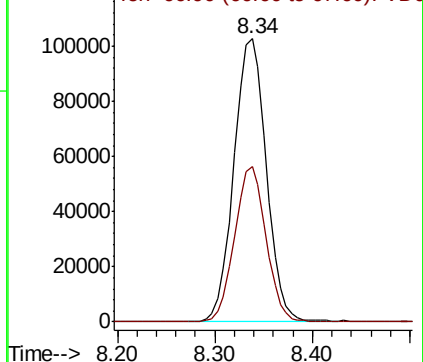
Ion Ratio Lower Upper

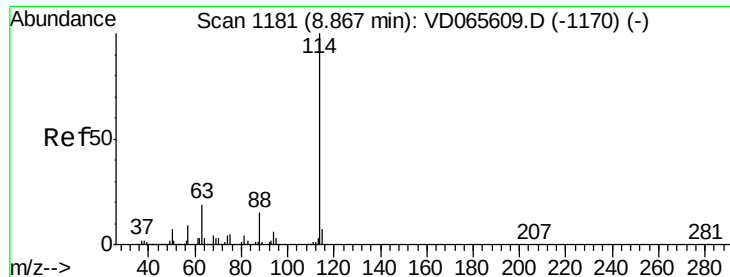
65 100

67 53.1 0.0 107.6



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: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

TP-3

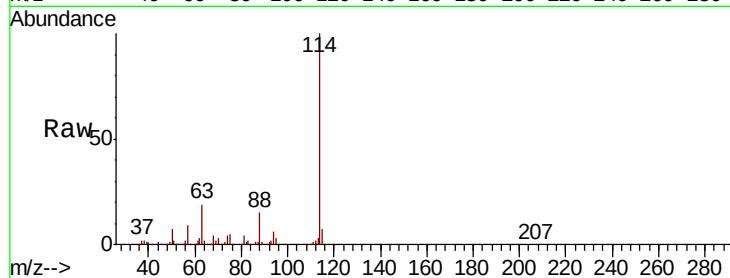
Tot Ion:114 Resp: 768066

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.2

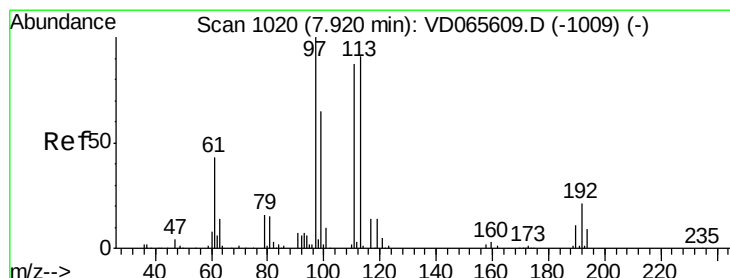
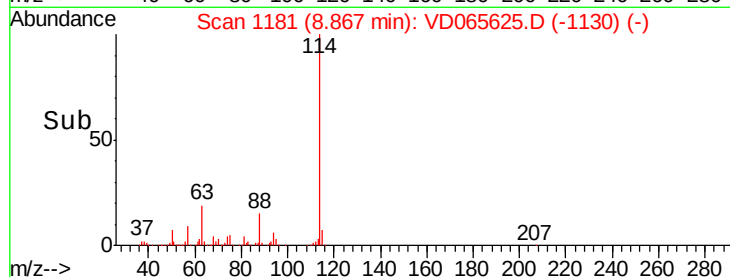
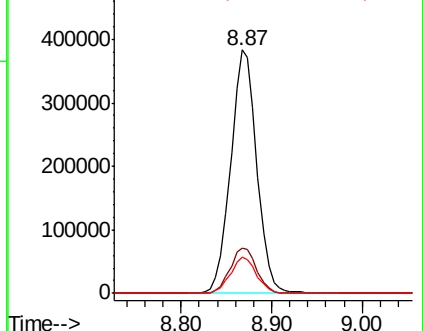
88 14.7 0.0 29.6



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: 50.918 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

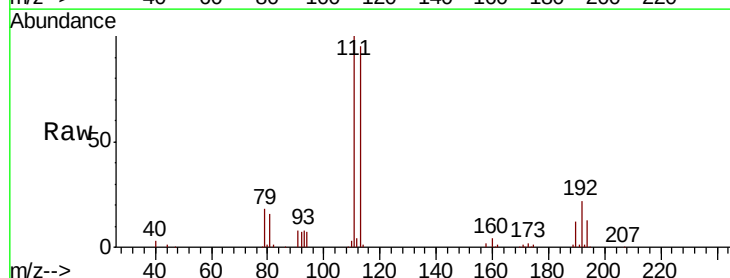
Tgt Ion:113 Resp: 273224

Ion Ratio Lower Upper

113 100

111 103.3 80.6 120.8

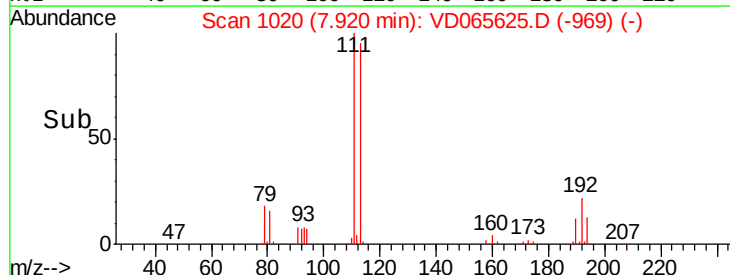
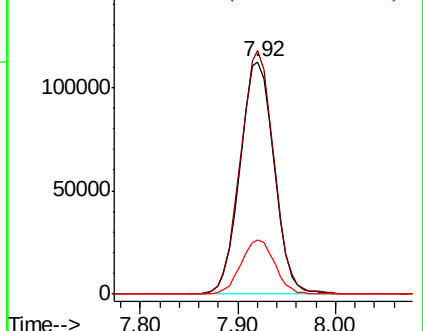
192 23.1 18.6 27.8

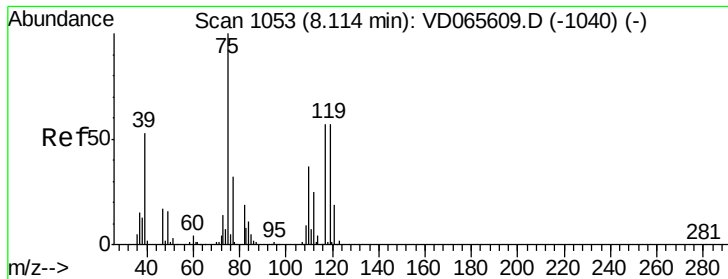


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

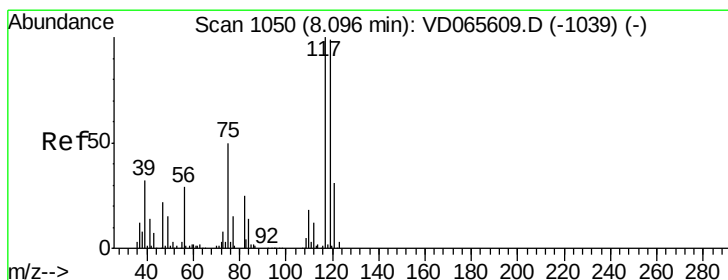
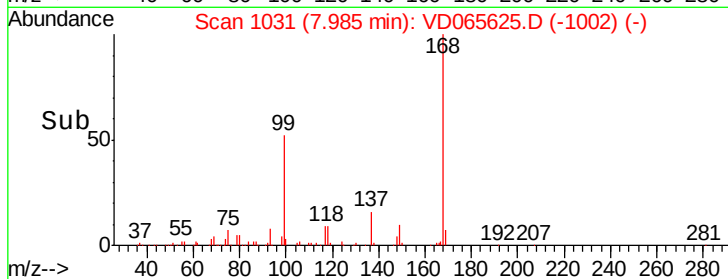
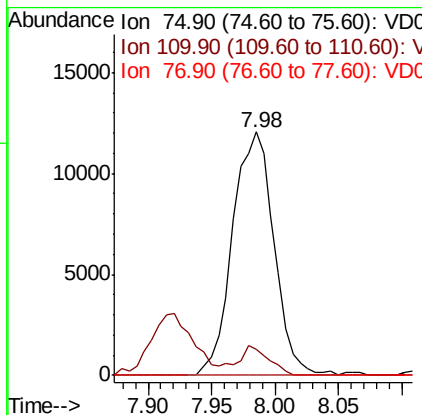
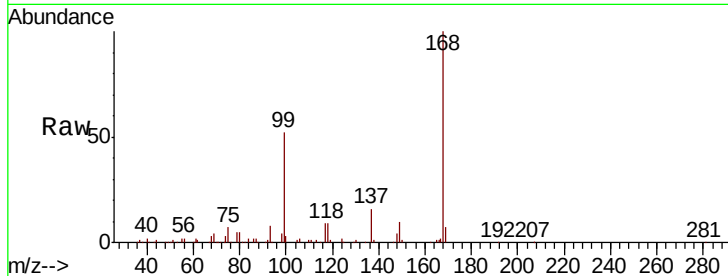




#36
 1,1-Dichloropropene
 Concen: 3.452 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065625.D
 Acq: 13 Apr 2020 19:10

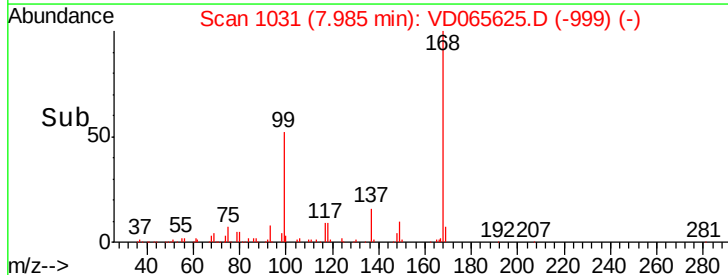
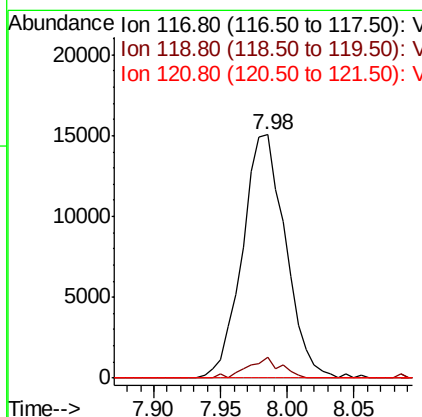
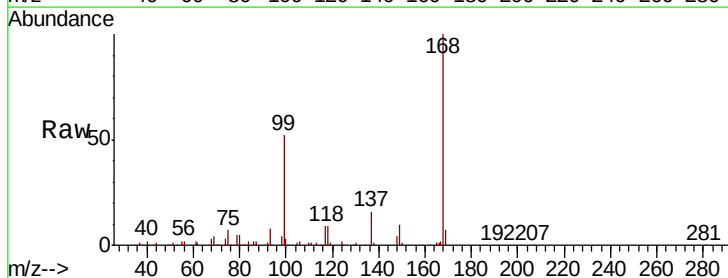
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

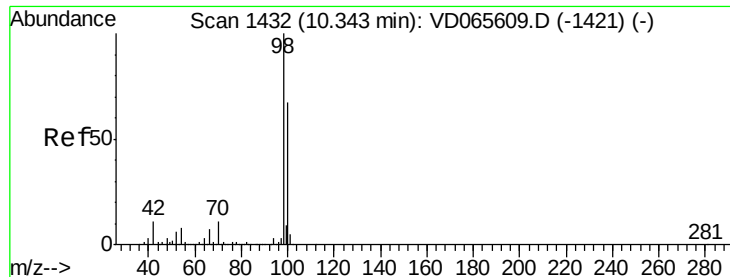
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 3.915 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065625.D
 Acq: 13 Apr 2020 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.5	78.9	118.3#
121	0.0	24.6	37.0#

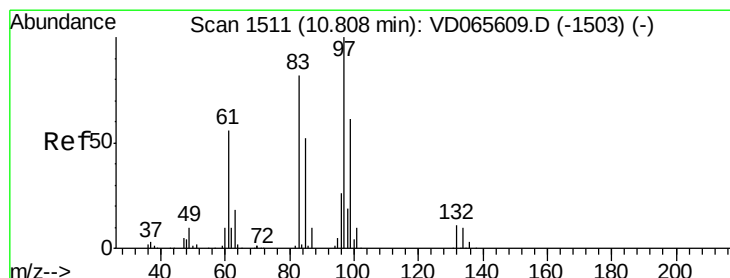
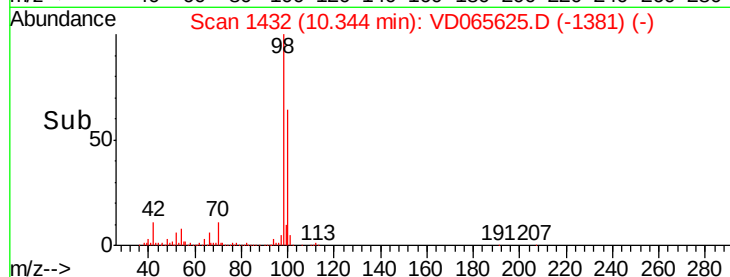
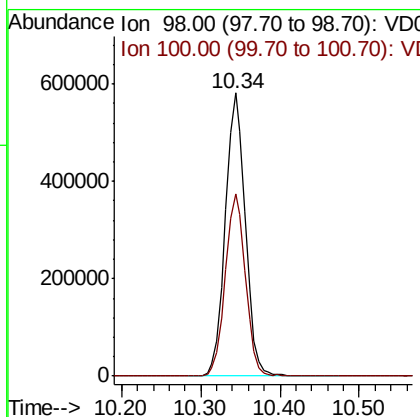
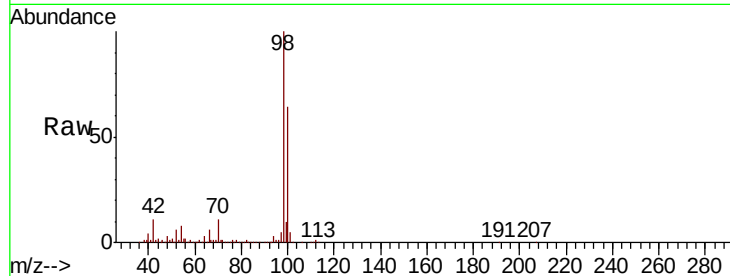




#50
Toluene-d8
Concen: 51.905 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065625.D
Acq: 13 Apr 2020 19:10

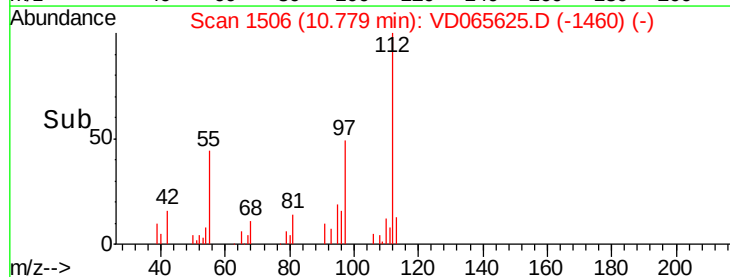
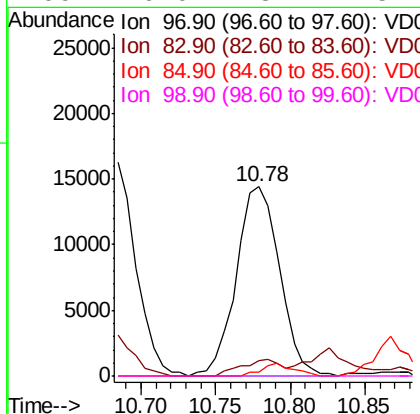
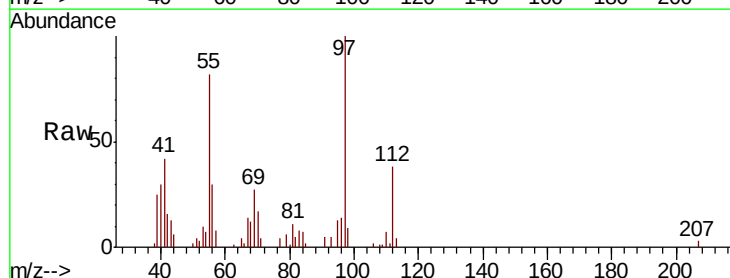
Instrument :
MSVOA_D
ClientSampled :
TP-3

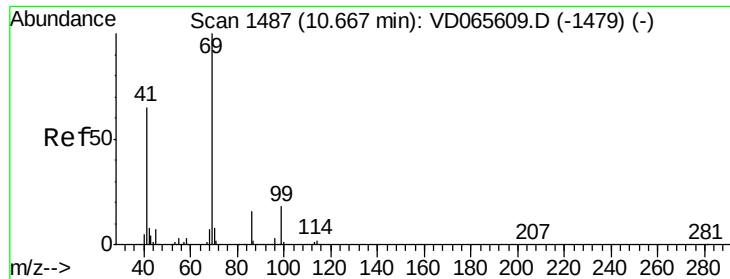
Tot Ion: 98 Resp: 1017073
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0



#55
1,1,2-Trichloroethane
Concen: 7.019 ug/l
RT: 10.78 min Scan# 1506
Delta R.T. -0.03 min
Lab File: VD065625.D
Acq: 13 Apr 2020 19:10

Tgt Ion: 97 Resp: 29127
Ion Ratio Lower Upper
97 100
83 8.0 65.7 98.5#
85 2.1 41.6 62.4#
99 0.0 48.7 73.1#





#56

Ethyl methacrylate

Concen: 5.051 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

TP-3

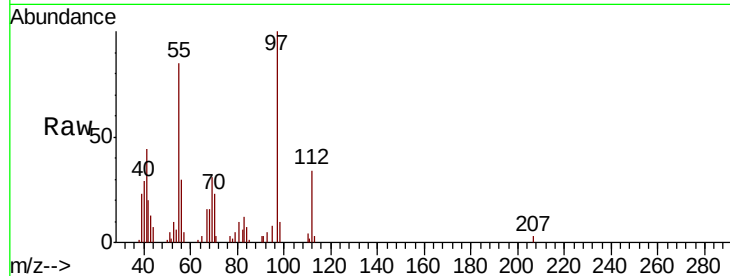
Tot Ion: 69 Resp: 9212

Ion Ratio Lower Upper

69 100

41 153.7 54.4 81.6#

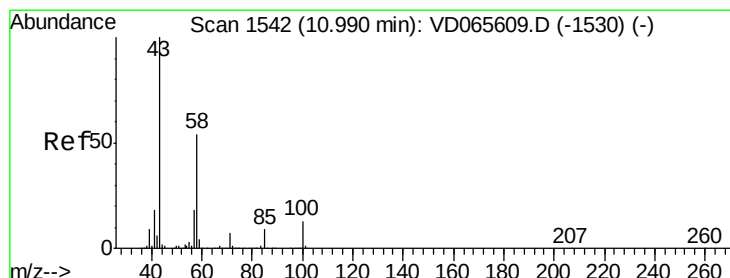
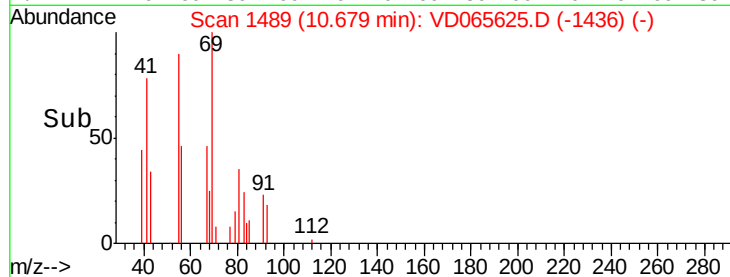
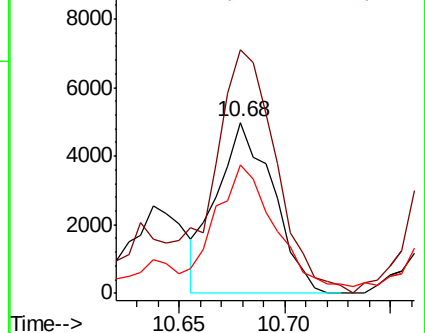
39 72.9 26.5 39.7#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#59

2-Hexanone

Concen: 3.970 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD065625.D

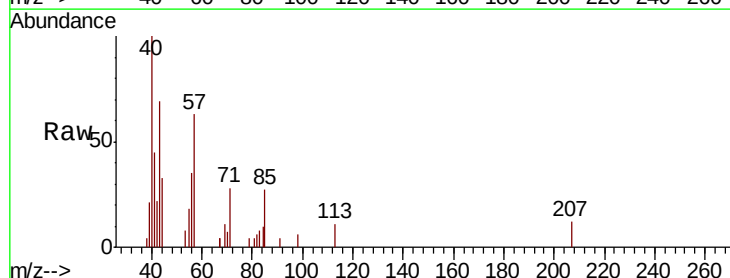
Acq: 13 Apr 2020 19:10

Tgt Ion: 43 Resp: 7283

Ion Ratio Lower Upper

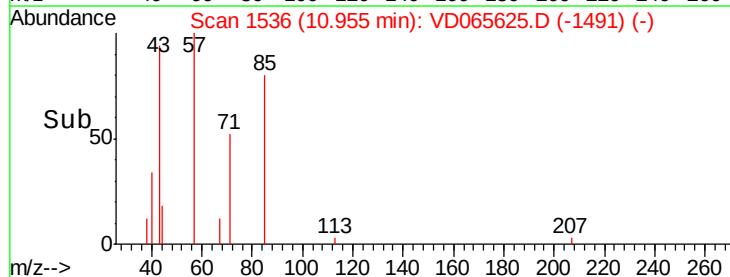
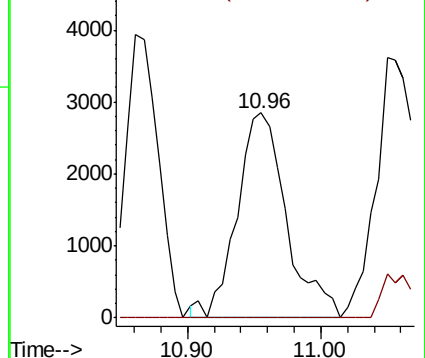
43 100

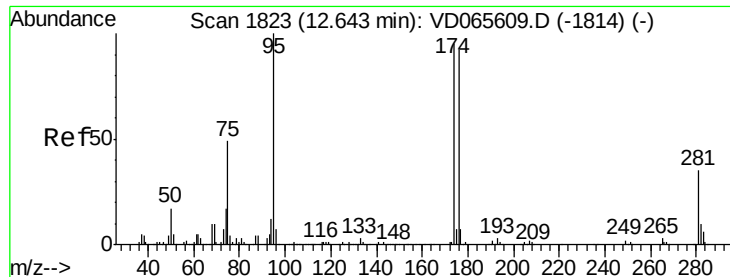
58 0.0 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

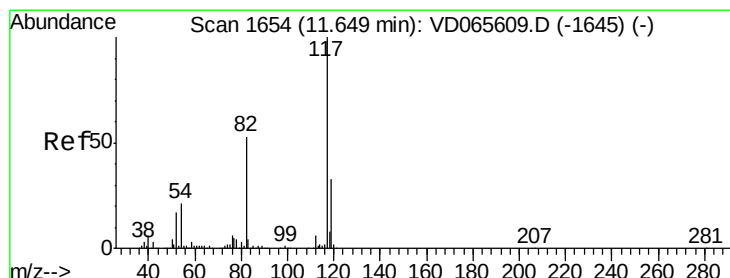
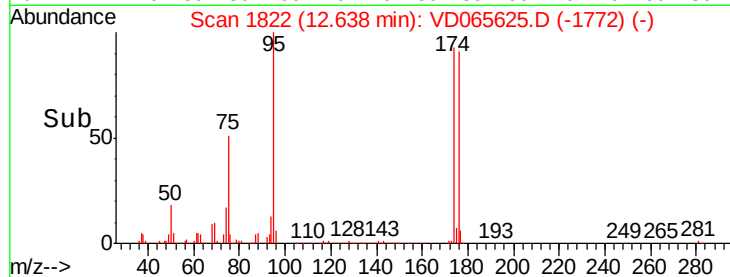
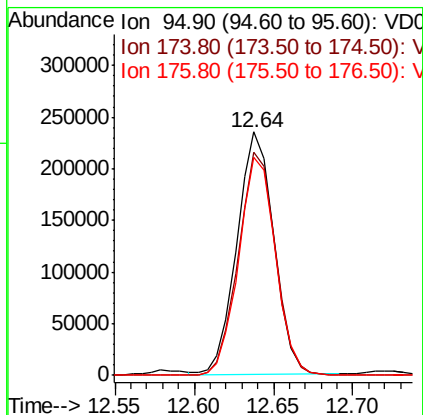
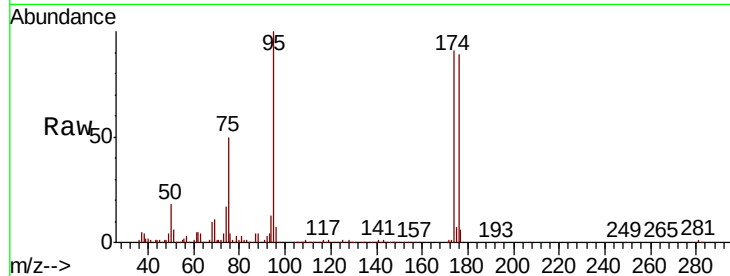




#62
4-Bromofluorobenzene
Concen: 60.201 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065625.D
Acq: 13 Apr 2020 19:10

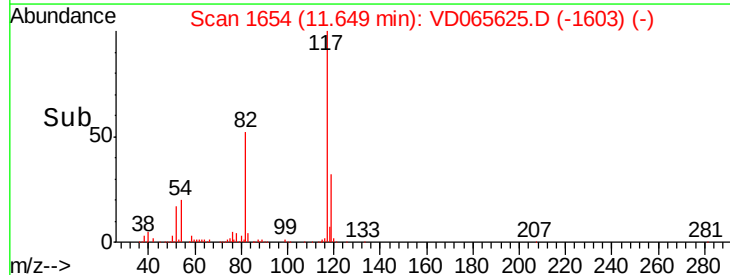
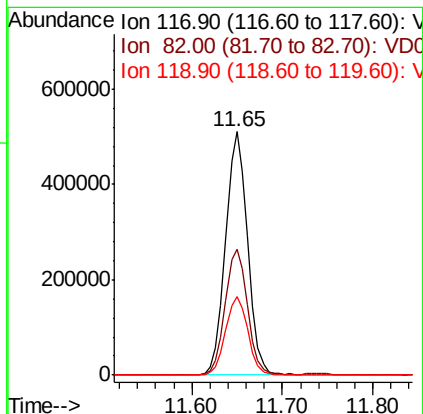
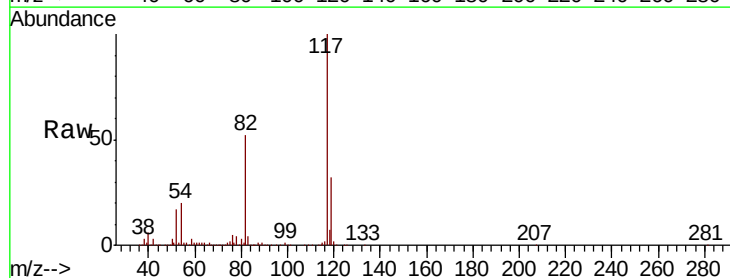
Instrument :
MSVOA_D
ClientSampleId :
TP-3

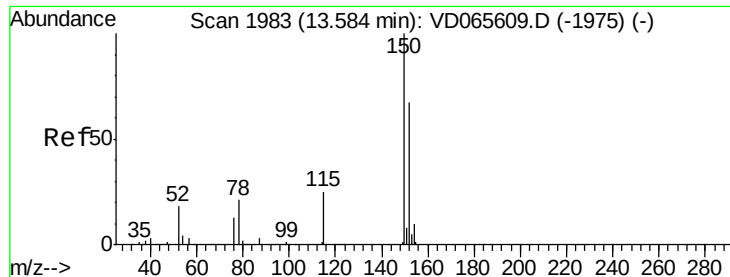
Tot Ion: 95 Resp: 379068
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.8
176 90.1 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065625.D
Acq: 13 Apr 2020 19:10

Tgt Ion: 117 Resp: 859373
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 32.3 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

TP-3

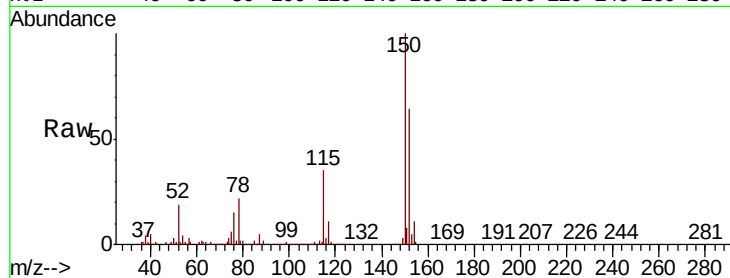
Tot Ion:152 Resp: 435419

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

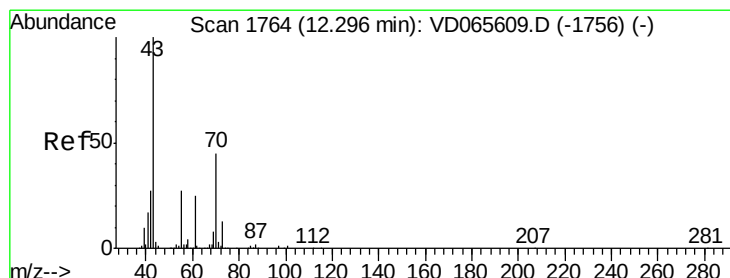
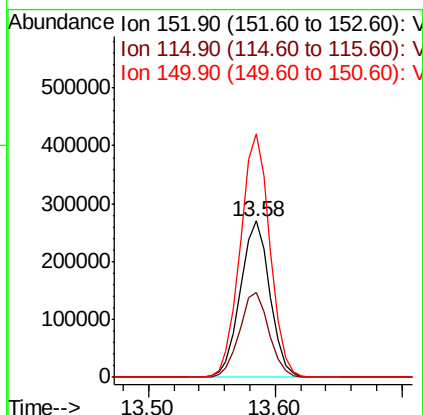
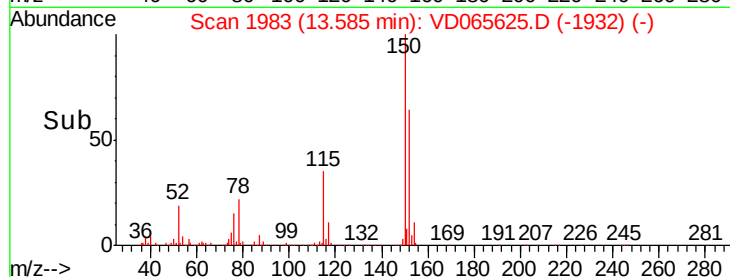
150 155.7 0.0 348.2



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-amil acetate

Concen: 3.742 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Tgt Ion: 43 Resp: 5406

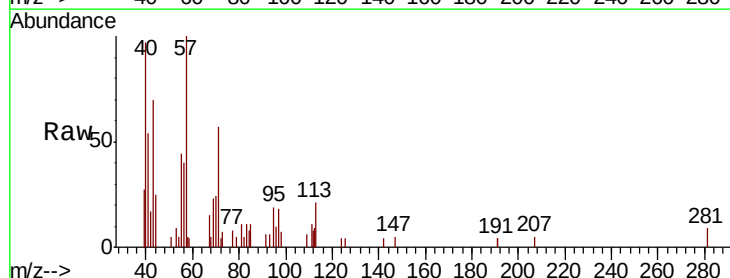
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

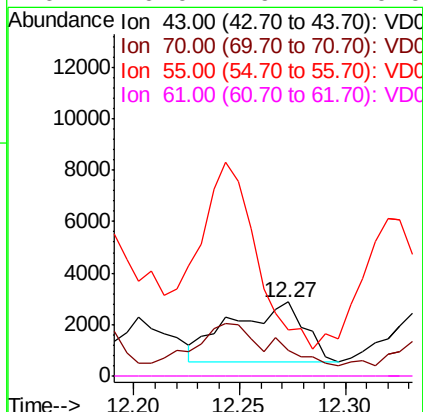
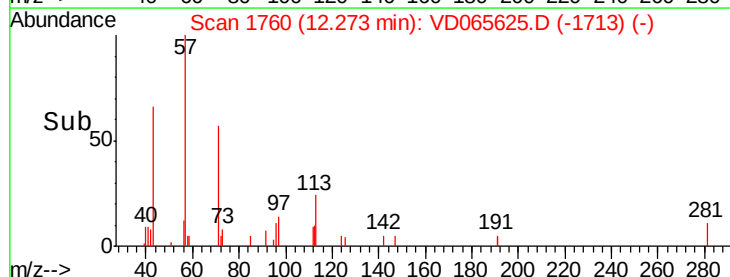


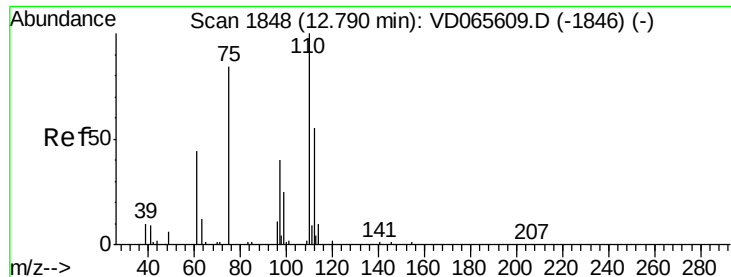
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 54.339 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

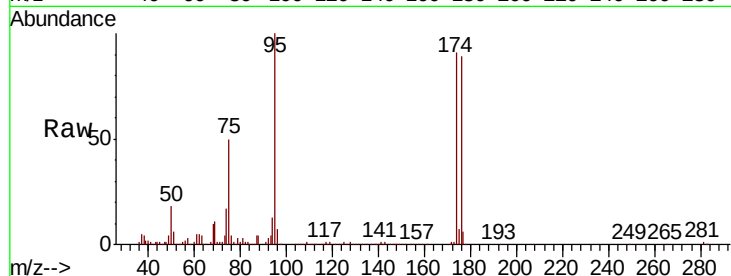
TP-3

Tot Ion: 75 Resp: 189761

Ion Ratio Lower Upper

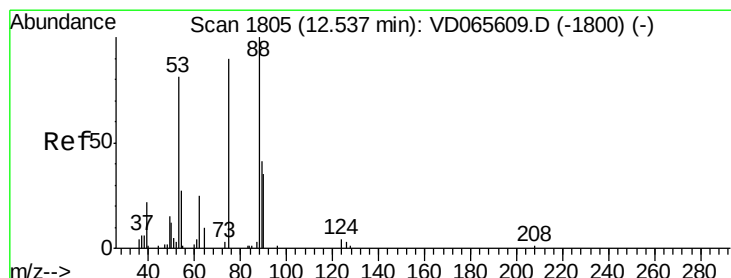
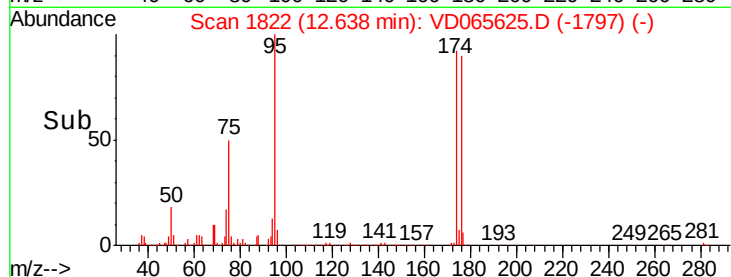
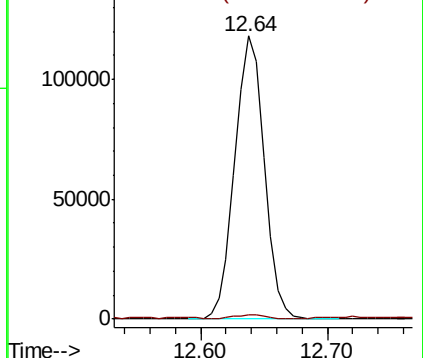
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 125.870 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

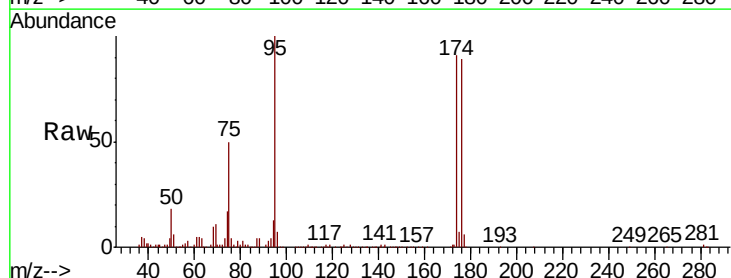
Tgt Ion: 75 Resp: 189761

Ion Ratio Lower Upper

75 100

53 0.7 73.8 110.8#

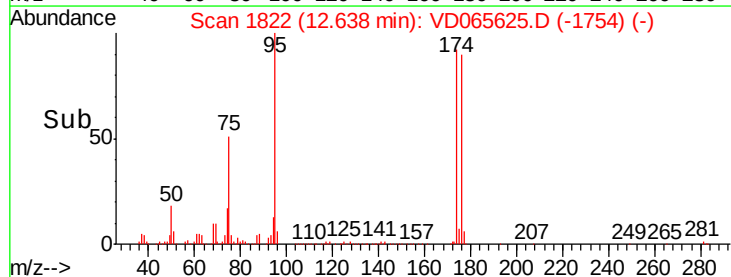
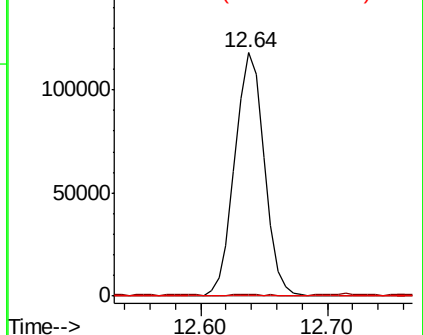
89 0.1 36.1 54.1#

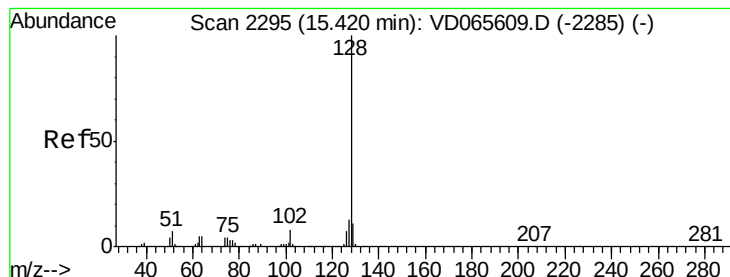


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.192 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065625.D

Acq: 13 Apr 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

TP-3

Tot Ion:128 Resp: 3096

Ion Ratio Lower Upper

128 100

127 5.3 10.6 15.8#

129 7.0 8.4 12.6#

