

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065629.D
 Acq On : 13 Apr 2020 21:04
 Operator : VA/SY
 Sample : L2230-19
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12-A

Quant Time: Apr 14 02:14:53 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	7.99	168	377453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	788654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	848250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	396983	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	244868	68.59	ug/l	0.00
Spiked Amount			Recovery	=	137.18%	
35) Dibromofluoromethane	7.92	113	286585	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	10.34	98	1020649	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.64	95	349361	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

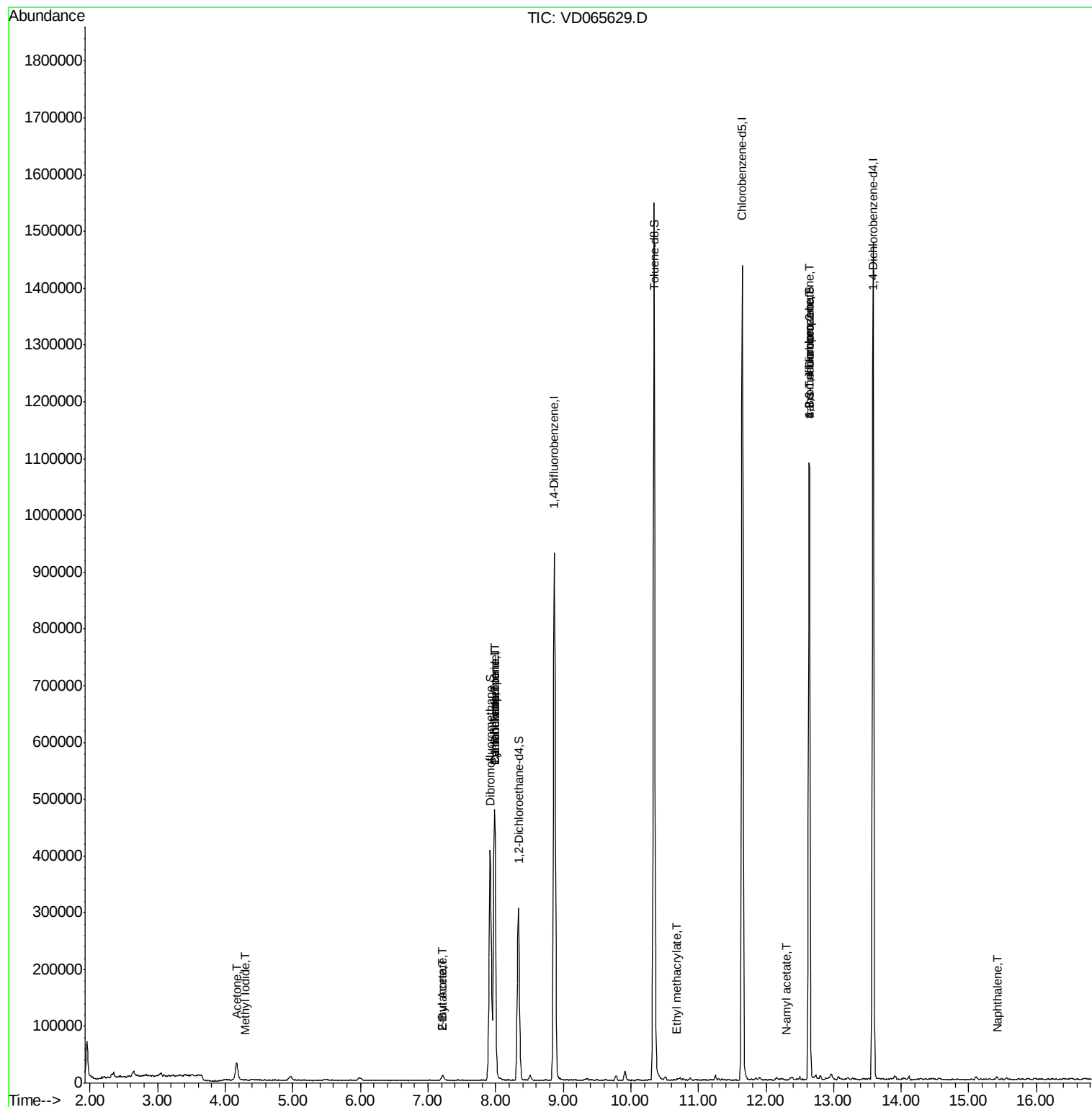
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	57	2.592	ug/l #	41
16) Acetone	4.17	43	53811	83.478	ug/l	95
25) 2-Butanone	7.22	43	5336	6.048	ug/l	95
31) Cyclohexane	7.99	56	7618	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	27025	3.328	ug/l #	49
37) Ethyl Acetate	7.22	43	5336	1.770	ug/l #	4
38) Carbon Tetrachloride	7.99	117	35316	4.006	ug/l #	16
56) Ethyl methacrylate	10.67	69	117	3.334	ug/l #	1
74) N-amyl acetate	12.30	43	312	2.985	ug/l #	53
76) 1,2,3-Trichloropropane	12.64	75	172017	54.027	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	172017	125.147	ug/l #	13
95) Naphthalene	15.41	128	4705	4.326	ug/l #	93

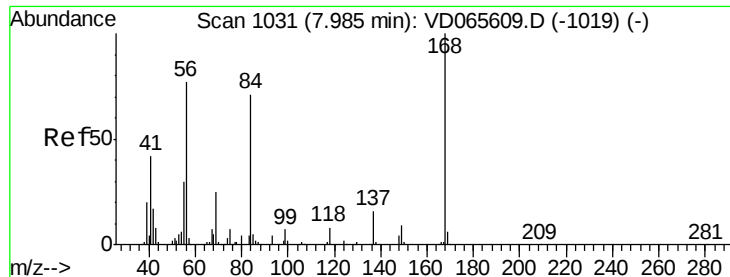
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

Instrument :

MSVOA_D

ClientSampleId :

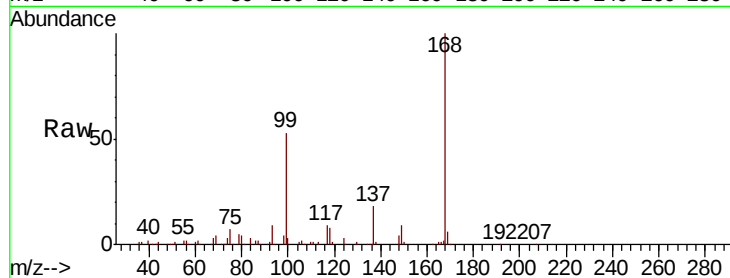
TP-12-A

Tot Ion:168 Resp: 377453

Ion Ratio Lower Upper

168 100

99 53.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

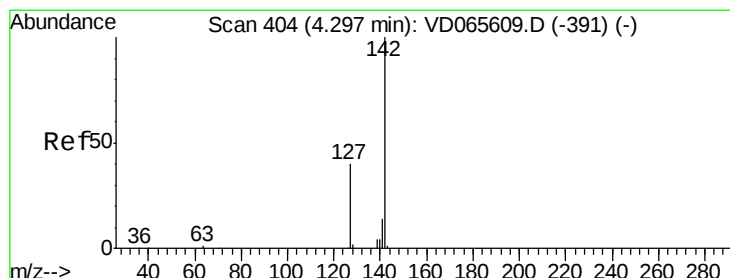
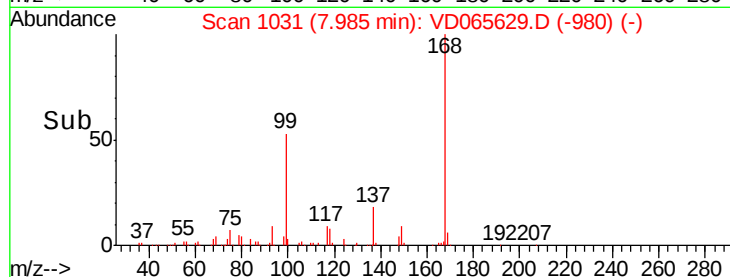
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.592 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

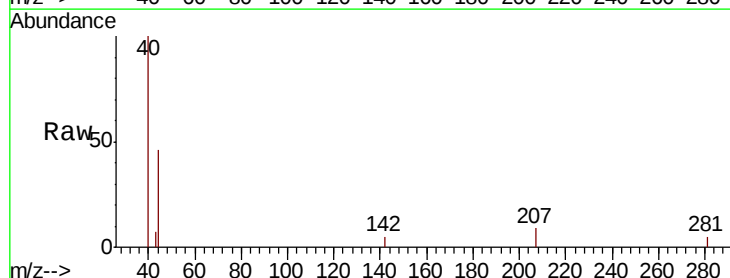
Tgt Ion:142 Resp: 57

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

4.30

200

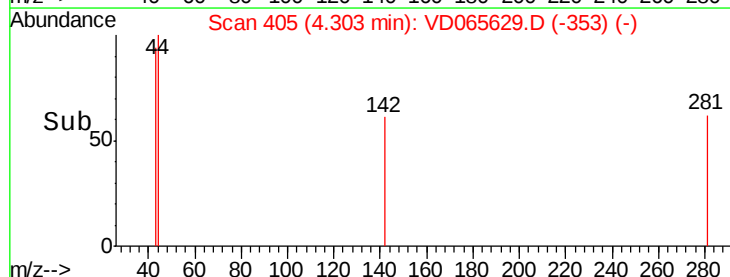
150

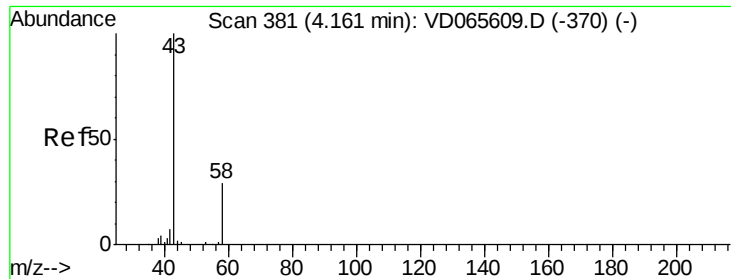
100

50

0

Time-->

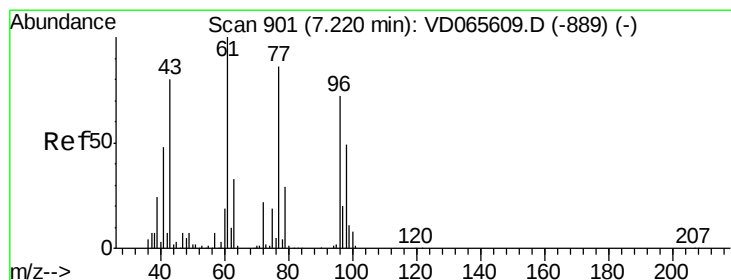
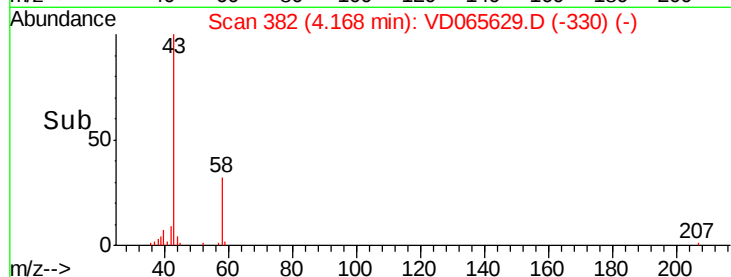
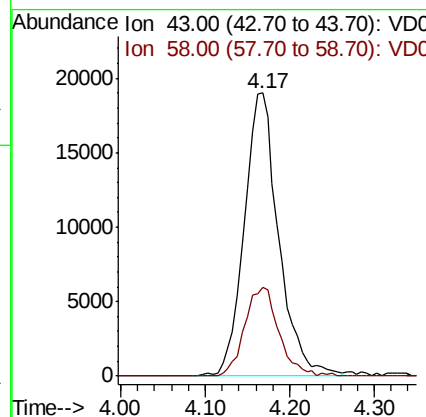
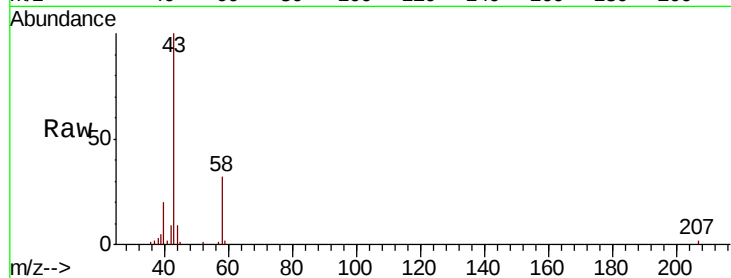




#16
Acetone
Concen: 83.478 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

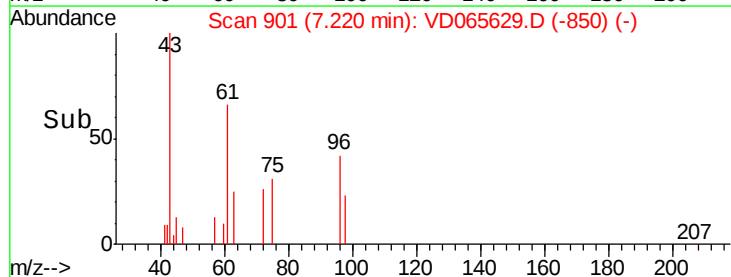
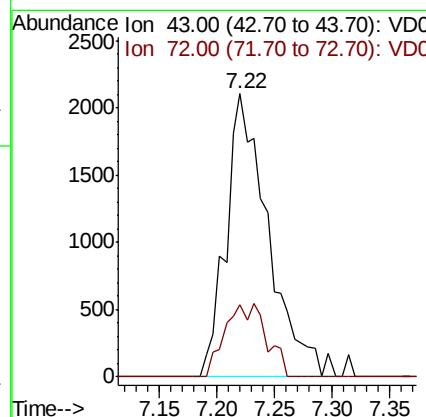
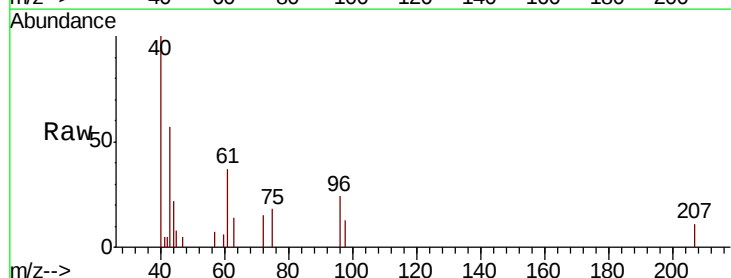
Instrument :
MSVOA_D
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TP-12-A

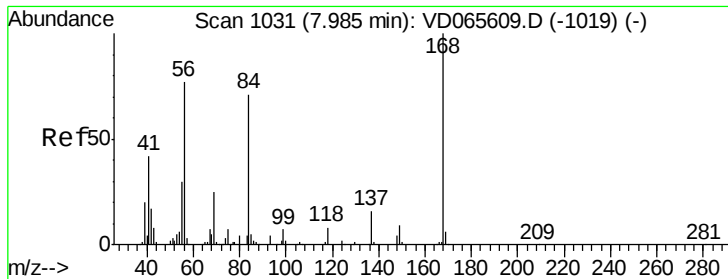
Tot Ion: 43 Resp: 53811
Ion Ratio Lower Upper
43 100
58 31.5 23.2 34.8



#25
2-Butanone
Concen: 6.048 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Tgt Ion: 43 Resp: 5336
Ion Ratio Lower Upper
43 100
72 25.7 22.5 33.7

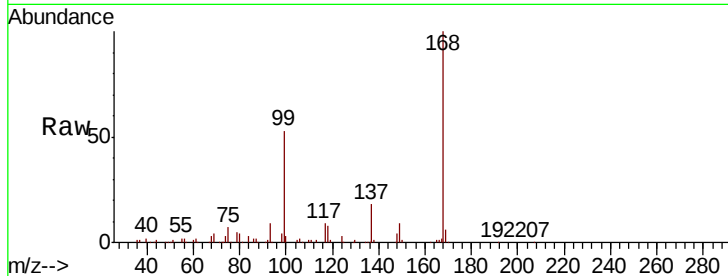




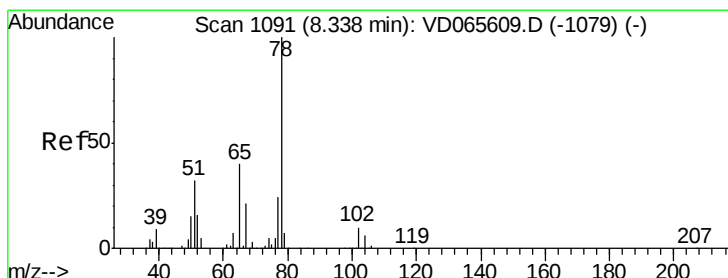
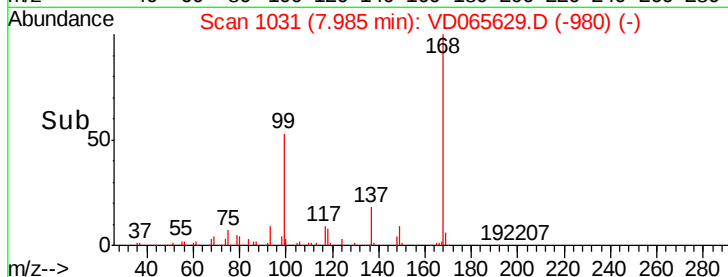
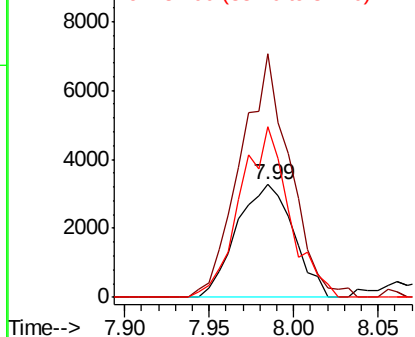
#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Instrument :
MSVOA_D
ClientSampleId :
TP-12-A

Tot Ion: 56 Resp: 7618
Ion Ratio Lower Upper
56 100
69 216.4 26.2 39.4#
84 151.4 73.7 110.5#

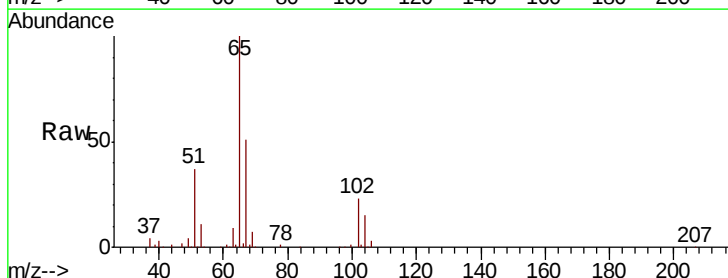


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

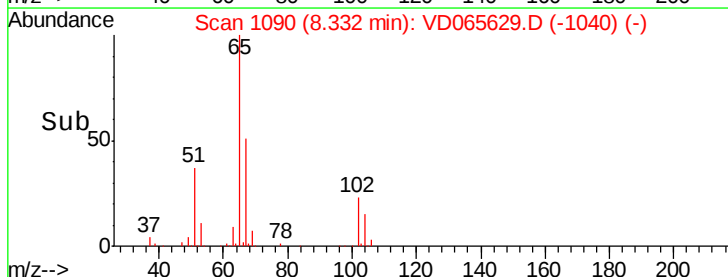
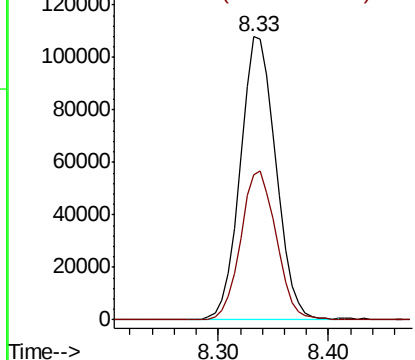


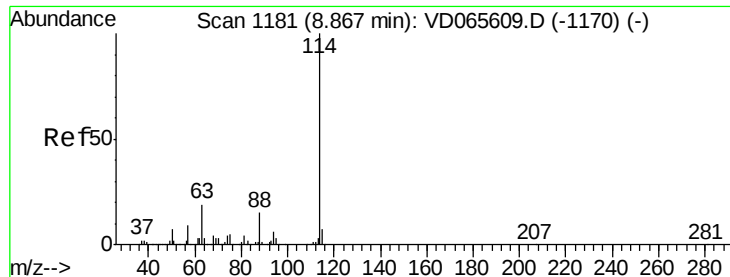
#33
1,2-Dichloroethane-d4
Concen: 68.594 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Tgt Ion: 65 Resp: 244868
Ion Ratio Lower Upper
65 100
67 52.7 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: VD065629.D

Acq: 13 Apr 2020 21:04

Instrument :

MSVOA_D

ClientSampleId :

TP-12-A

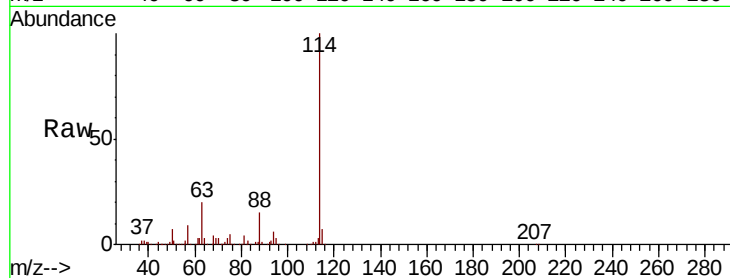
Tot Ion:114 Resp: 788654

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.2

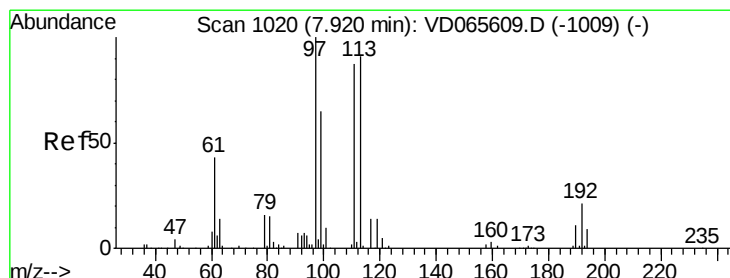
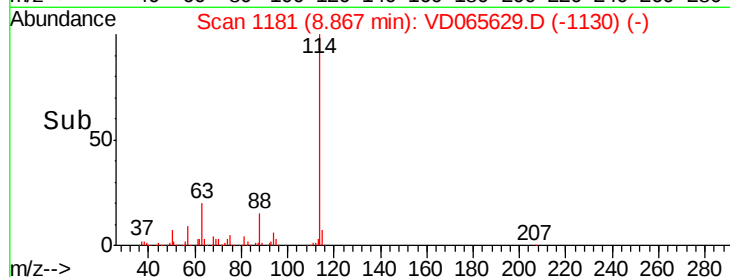
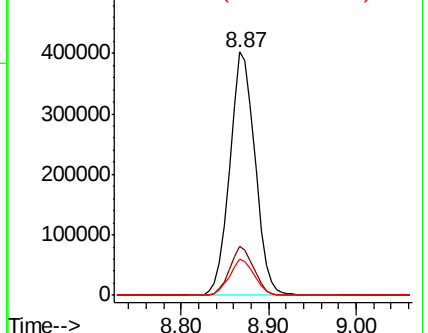
88 14.8 0.0 29.6



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: 52.014 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

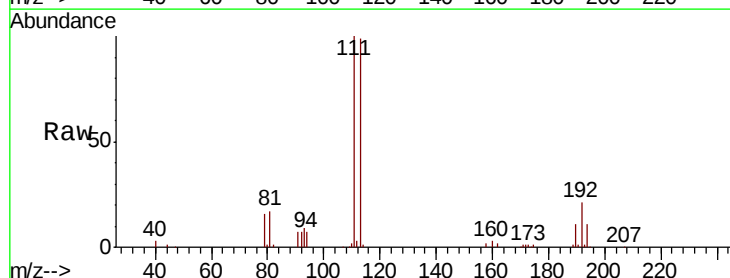
Tgt Ion:113 Resp: 286585

Ion Ratio Lower Upper

113 100

111 103.2 80.6 120.8

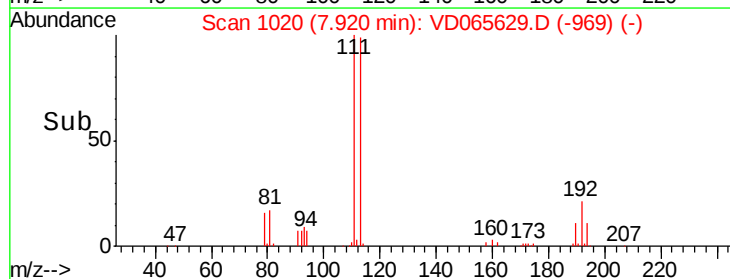
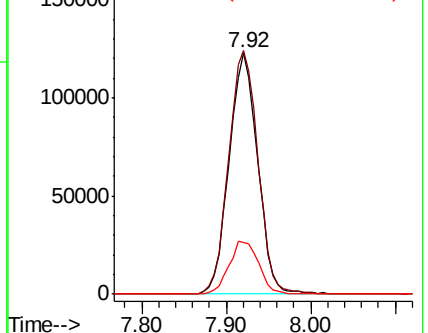
192 22.9 18.6 27.8

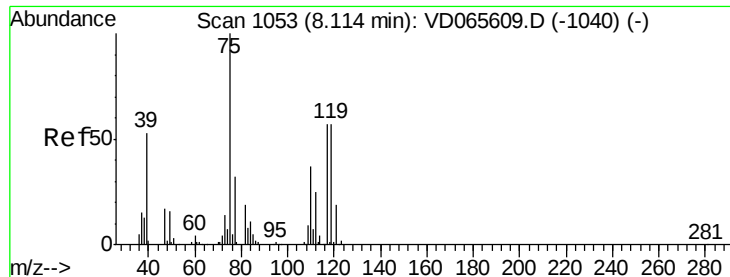


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

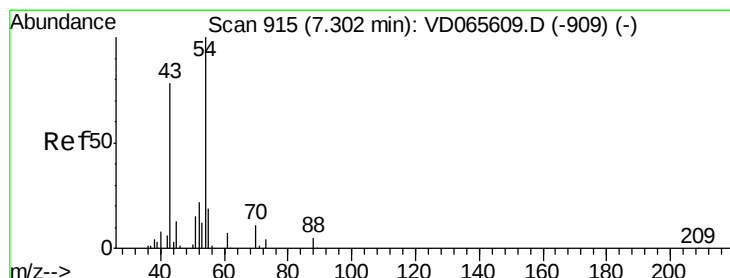
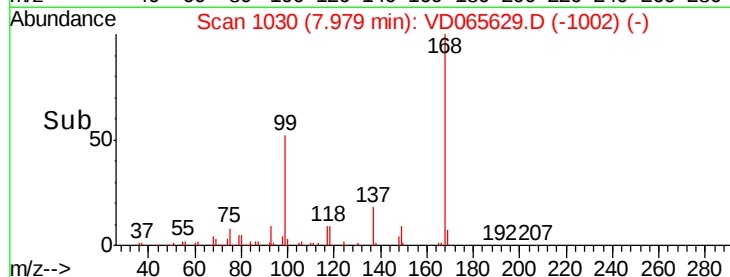
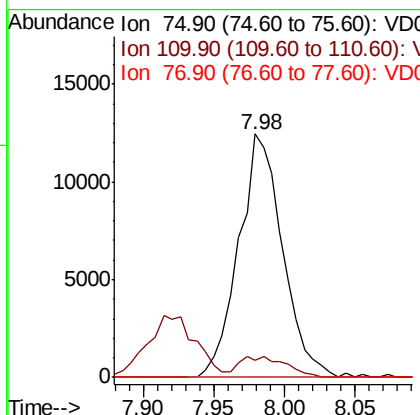
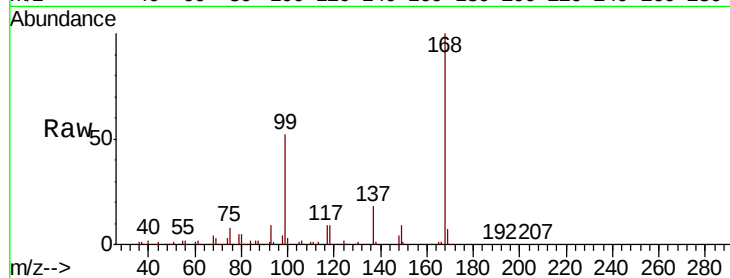




#36
 1,1-Dichloropropene
 Concen: 3.328 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD065629.D
 Acq: 13 Apr 2020 21:04

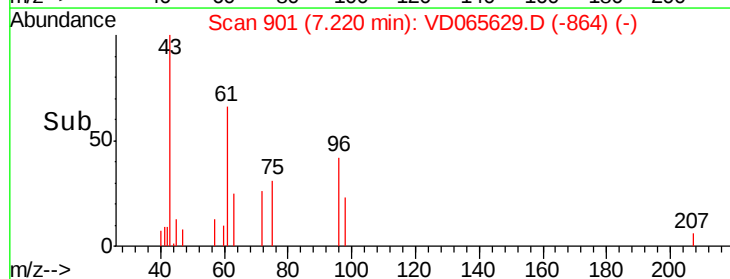
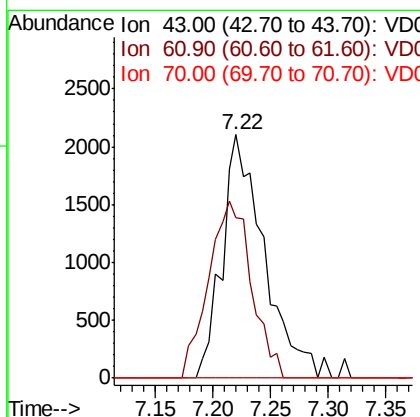
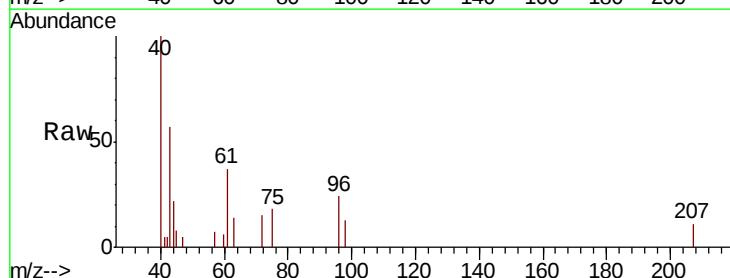
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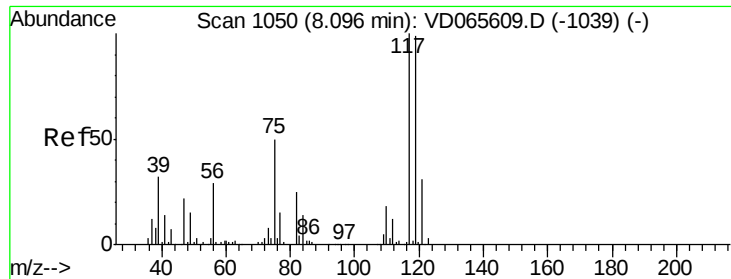
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 1.770 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD065629.D
 Acq: 13 Apr 2020 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	74.0	11.3	16.9#
70	0.0	8.6	13.0#

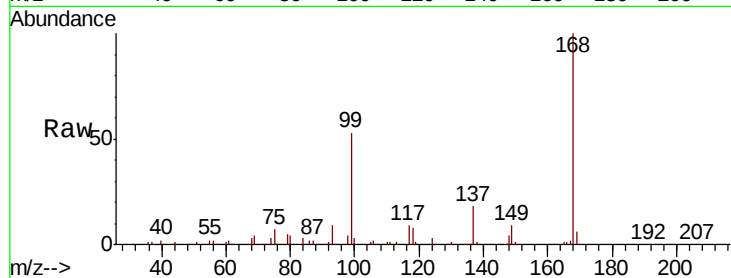




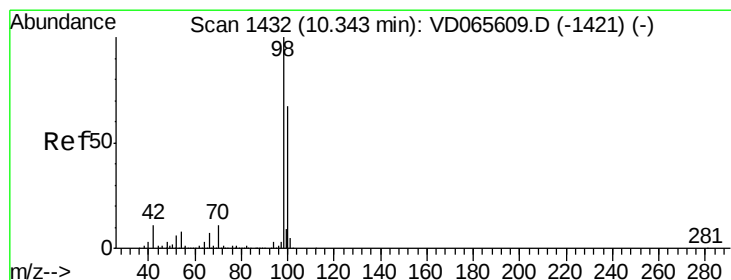
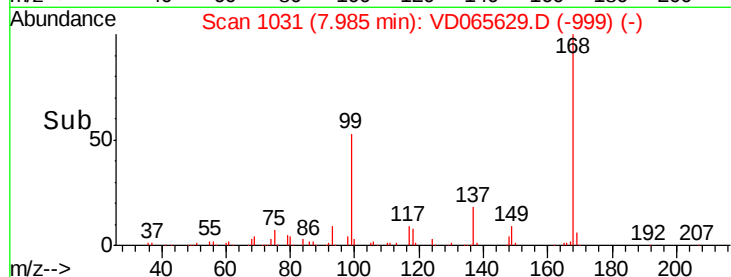
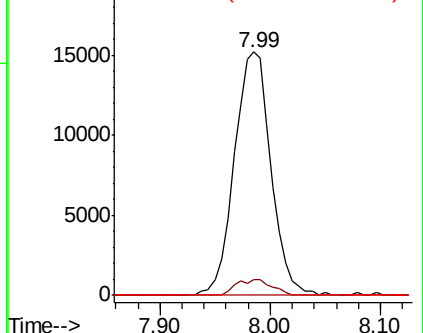
#38
Carbon Tetrachloride
Concen: 4.006 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Instrument :
MSVOA_D
ClientSampleId :
TP-12-A

Tot Ion:117 Resp: 35316
Ion Ratio Lower Upper
117 100
119 6.3 78.9 118.3#
121 0.0 24.6 37.0#

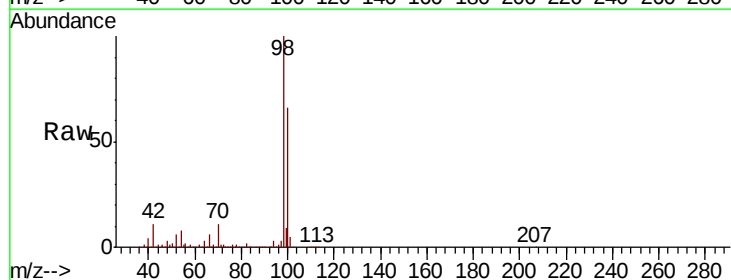


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

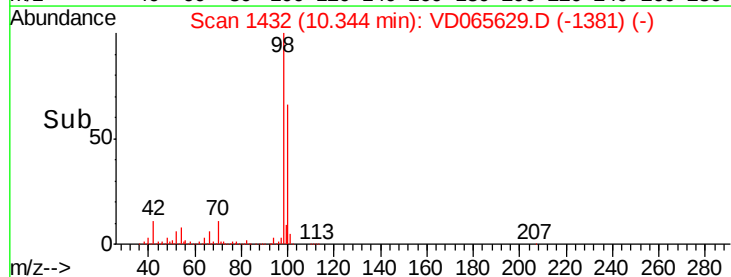
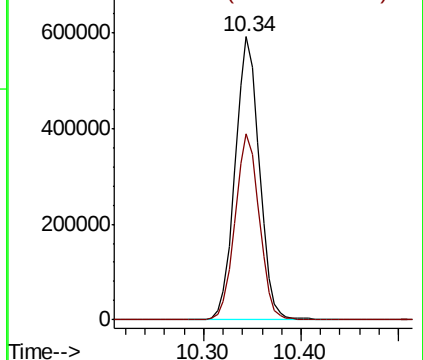


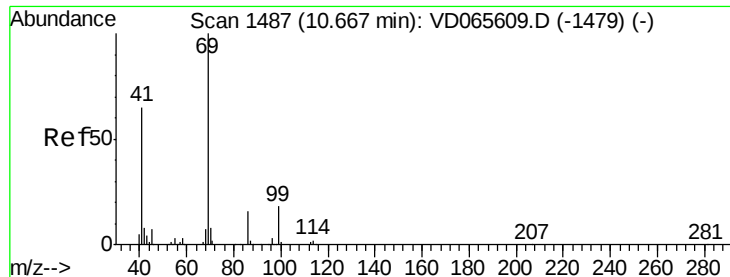
#50
Toluene-d8
Concen: 50.728 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Tgt Ion: 98 Resp: 1020649
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0



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





#56

Ethyl methacrylate

Concen: 3.334 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

Instrument :

MSVOA_D

ClientSampleId :

TP-12-A

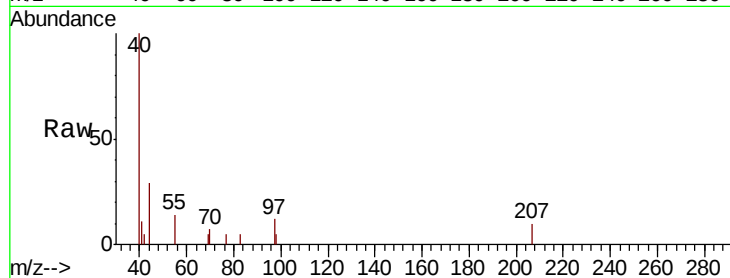
Tot Ion: 69 Resp: 117

Ion Ratio Lower Upper

69 100

41 787.2 54.4 81.6#

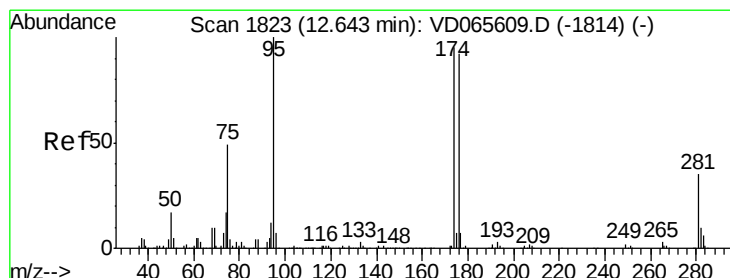
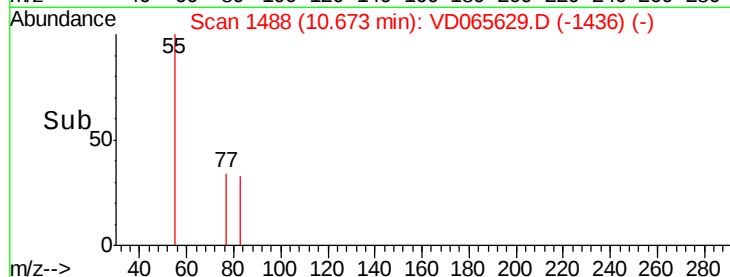
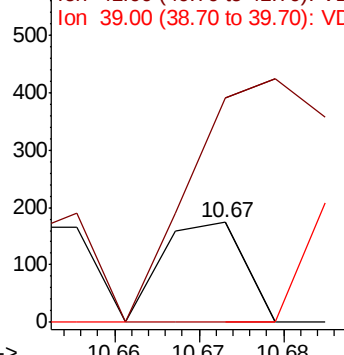
39 62.4 26.5 39.7#



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



#62

4-Bromofluorobenzene

Concen: 54.035 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

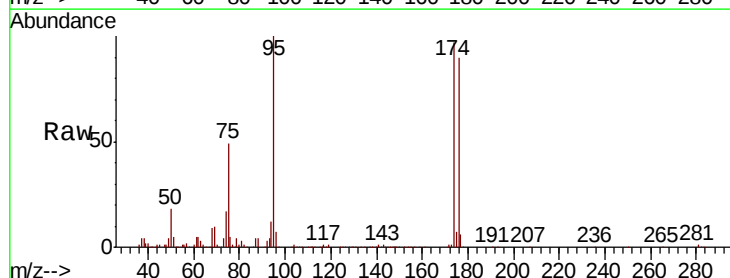
Tgt Ion: 95 Resp: 349361

Ion Ratio Lower Upper

95 100

174 94.5 0.0 182.8

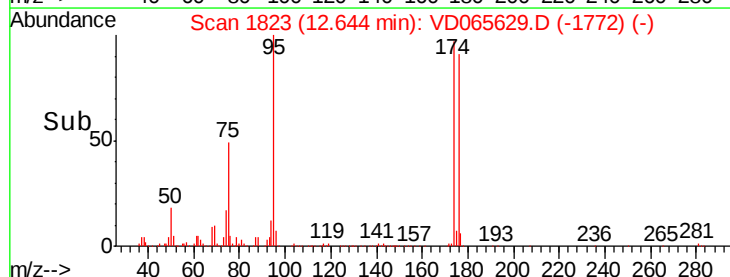
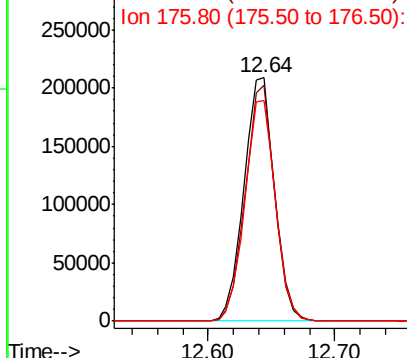
176 90.5 0.0 176.6

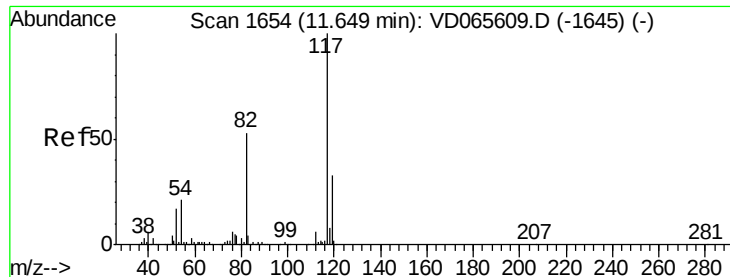


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

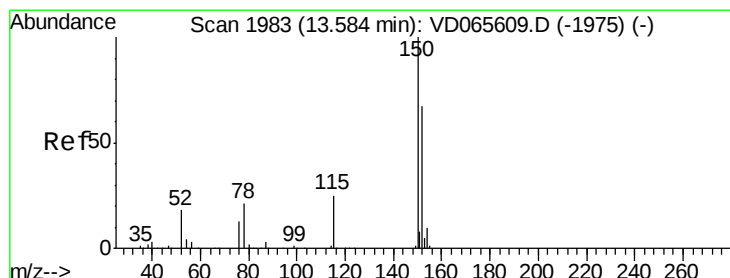
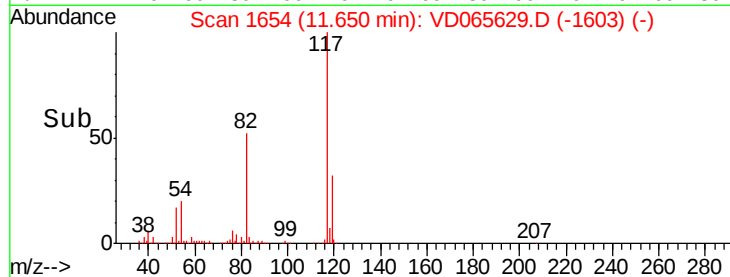
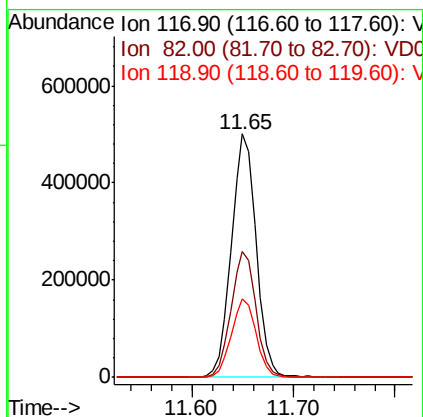
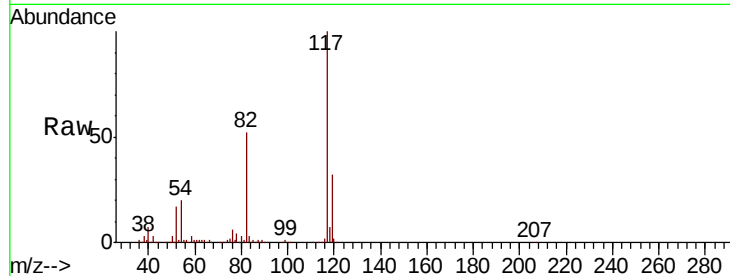




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

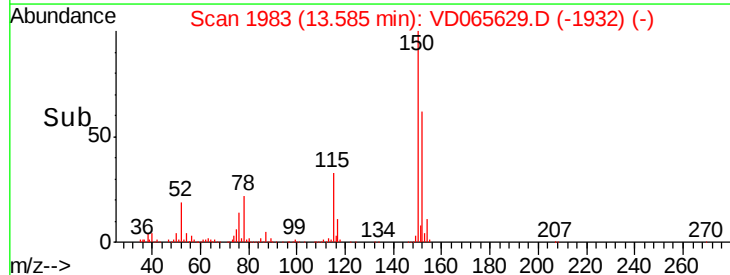
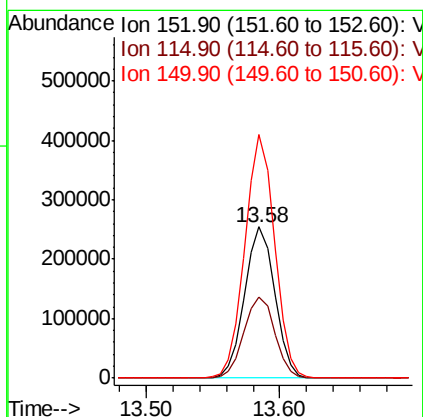
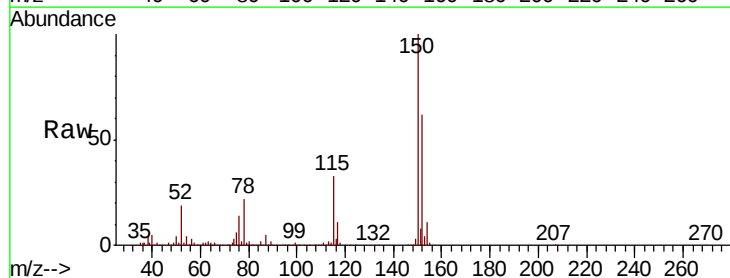
Instrument :
MSVOA_D
ClientSampleId :
TP-12-A

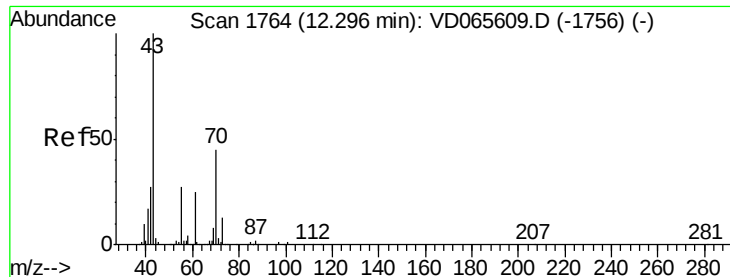
Tot Ion:117 Resp: 848250
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 32.0 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Tgt Ion:152 Resp: 396983
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.2
150 158.7 0.0 348.2





#74

N-amvl acetate

Concen: 2.985 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065629.D

Acq: 13 Apr 2020 21:04

Instrument :

MSVOA_D

ClientSampleId :

TP-12-A

Tot Ion: 43 Resp: 312

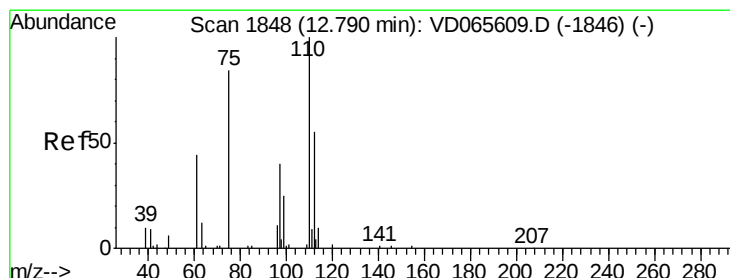
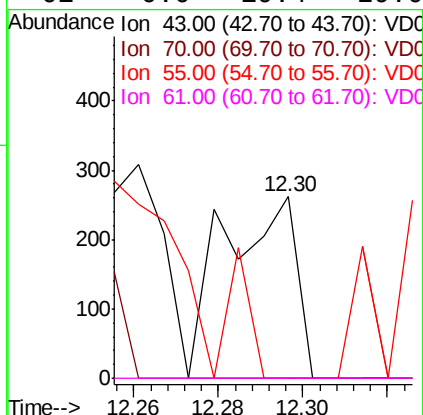
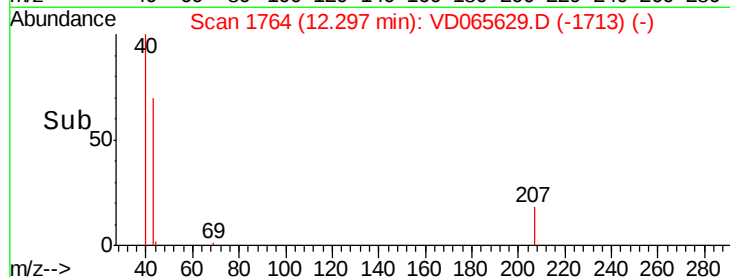
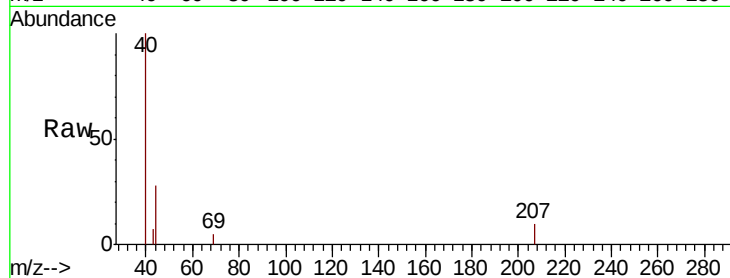
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 21.5 22.5 33.7#

61 0.0 19.4 29.0#



#76

1,2,3-Trichloropropane

Concen: 54.027 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065629.D

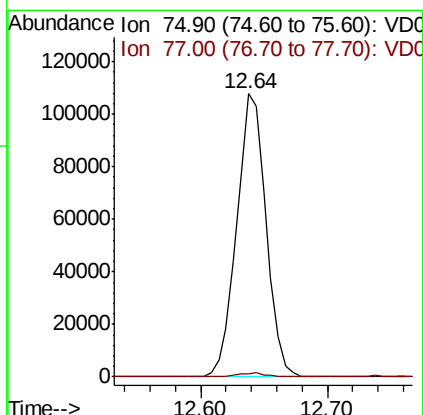
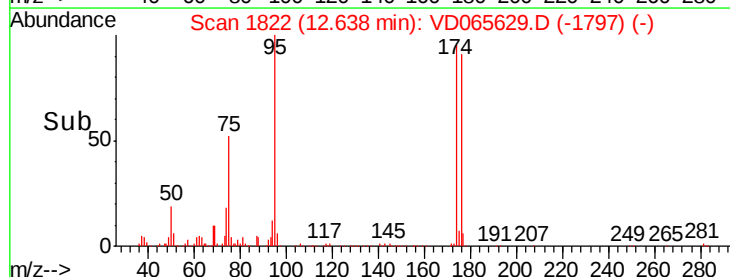
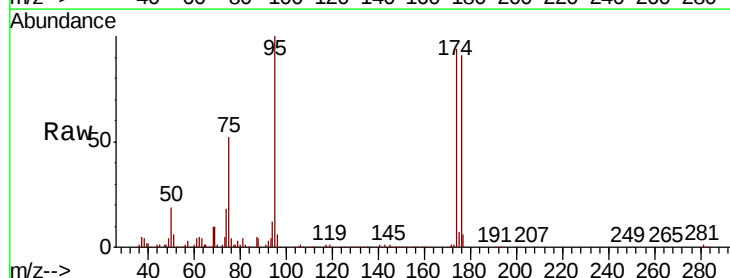
Acq: 13 Apr 2020 21:04

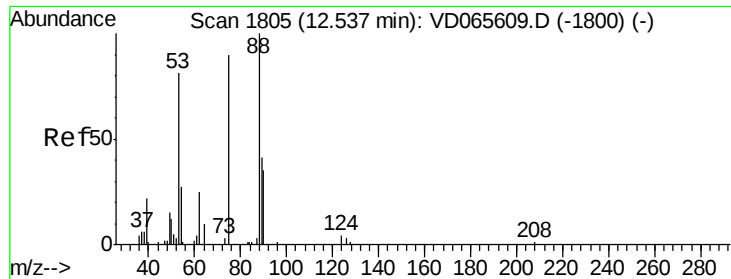
Tgt Ion: 75 Resp: 172017

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

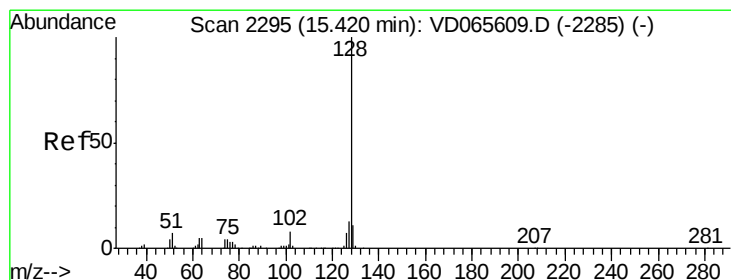
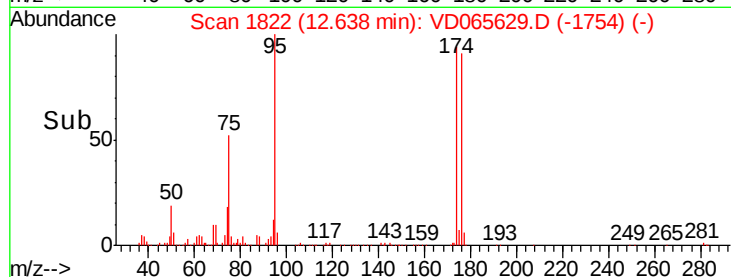
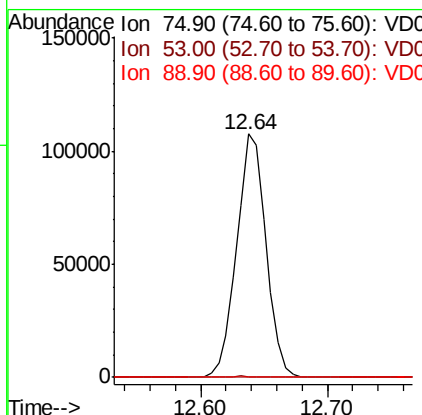
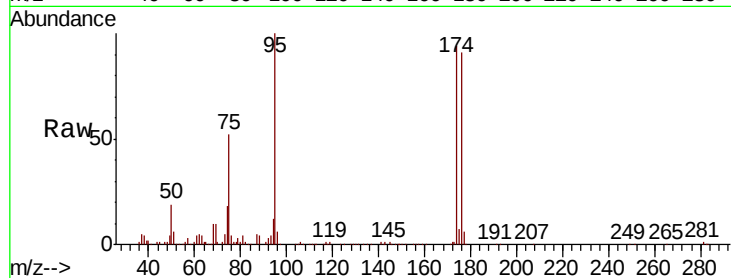




#81
trans-1,4-Dichloro-2-butene
Concen: 125.147 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Instrument :
MSVOA_D
ClientSampled :
TP-12-A

Tot Ion: 75 Resp: 172017
Ion Ratio Lower Upper
75 100
53 0.3 73.8 110.8#
89 0.1 36.1 54.1#



#95
Naphthalene
Concen: 4.326 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065629.D
Acq: 13 Apr 2020 21:04

Tgt Ion: 128 Resp: 4705
Ion Ratio Lower Upper
128 100
127 17.6 10.6 15.8#
129 11.5 8.4 12.6

