

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065655.D
 Acq On : 17 Apr 2020 20:17
 Operator : VA/SY
 Sample : L2332-05
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-2

Quant Time: Apr 20 07:03:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	201221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	331633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147186	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	121827	71.17	ug/l	0.00
Spiked Amount			Recovery	=	142.34%	
35) Dibromofluoromethane	7.92	113	118402	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
50) Toluene-d8	10.34	98	406537	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.64	95	121770	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

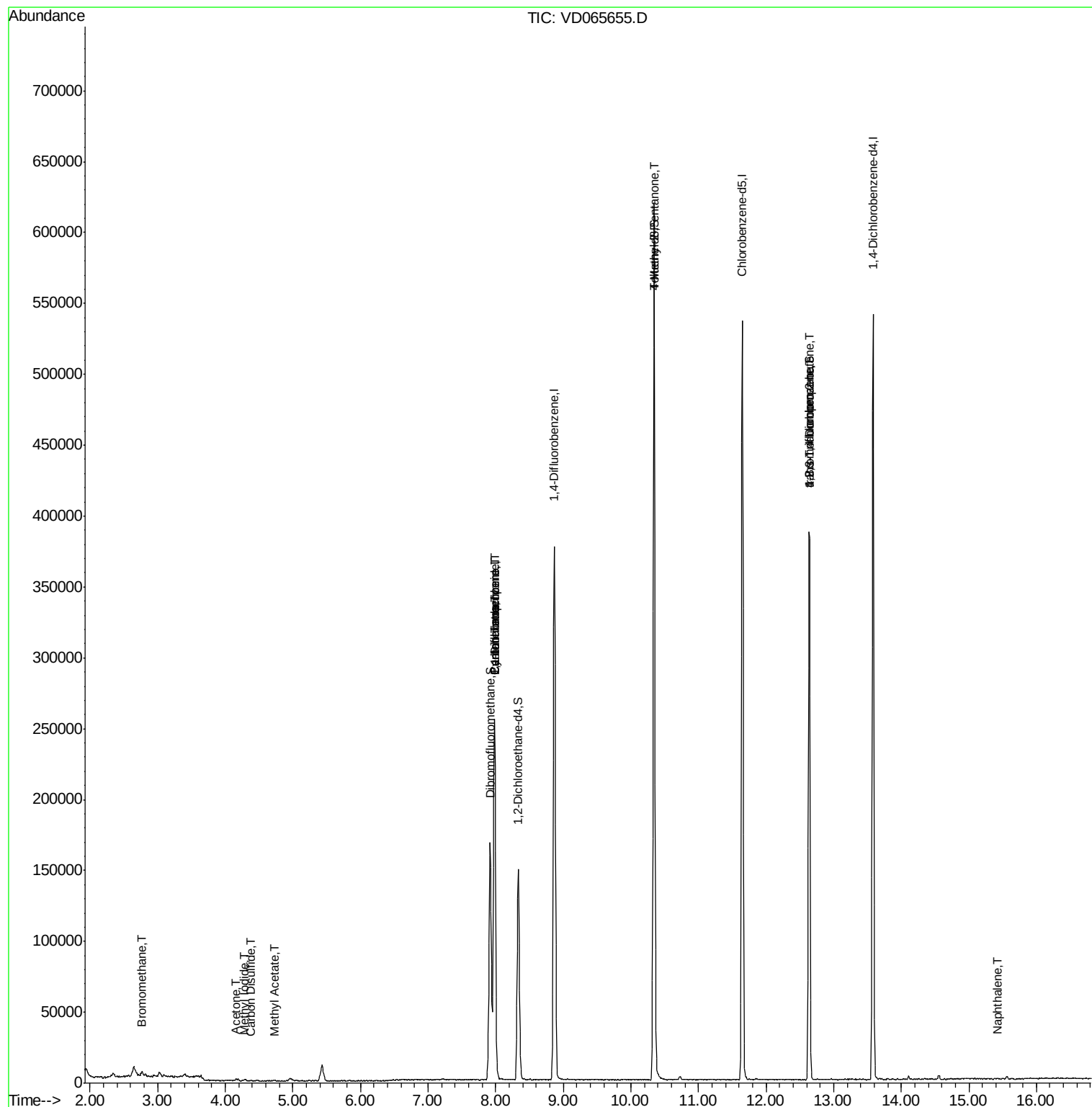
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	1970	1.826	ug/l	87
10) Methyl Iodide	4.28	142	1261	7.845	ug/l #	80
16) Acetone	4.17	43	1605	6.556	ug/l	99
17) Carbon Disulfide	4.38	76	56	6.023	ug/l #	75
18) Methyl Acetate	4.73	43	124	6.430	ug/l #	52
20) Methylene Chloride	4.95	84	556	Below Cal		85
31) Cyclohexane	7.98	56	4243	1.316	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	14862	4.641	ug/l #	48
38) Carbon Tetrachloride	7.98	117	18451	5.379	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1803	11.027	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	60901	51.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	60901	112.785	ug/l #	11
95) Naphthalene	15.42	128	61	4.117	ug/l #	69

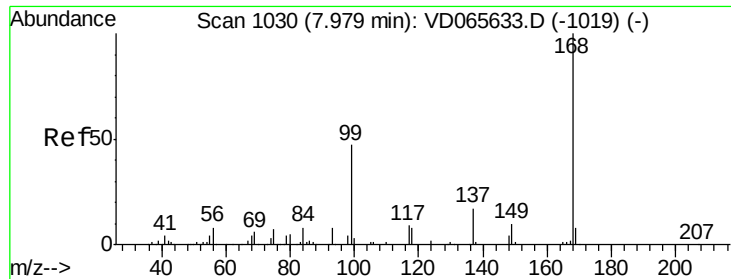
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065655.D

Acq: 17 Apr 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

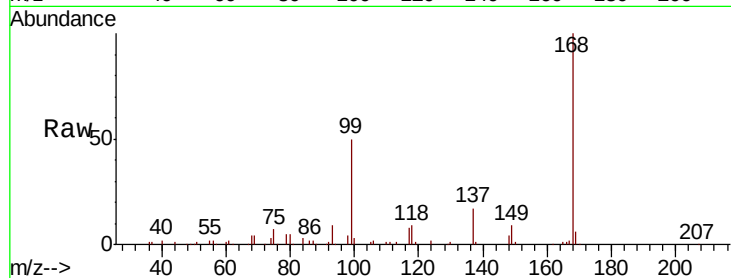
TP-4-2

Tot Ion:168 Resp: 201221

Ion Ratio Lower Upper

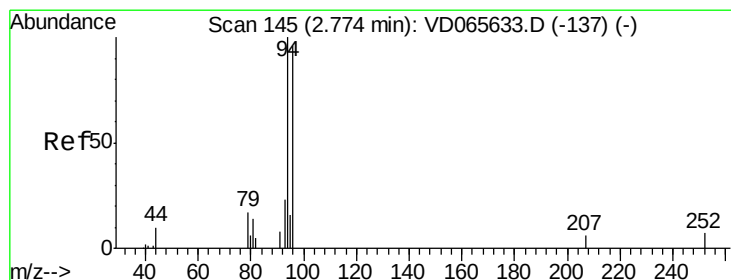
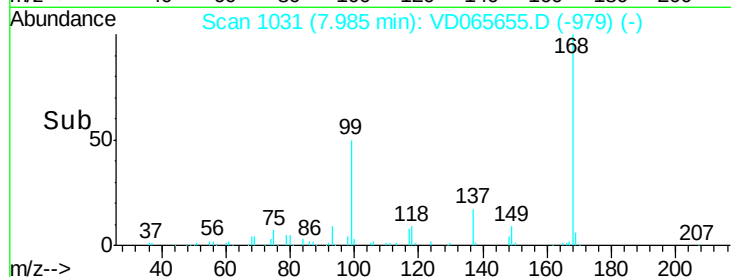
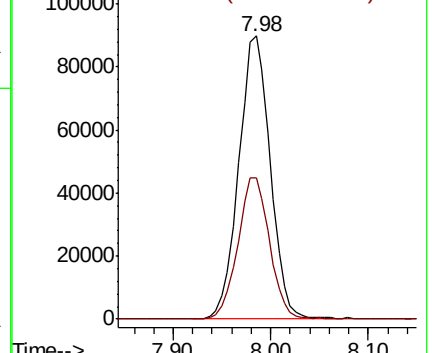
168 100

99 49.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.826 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065655.D

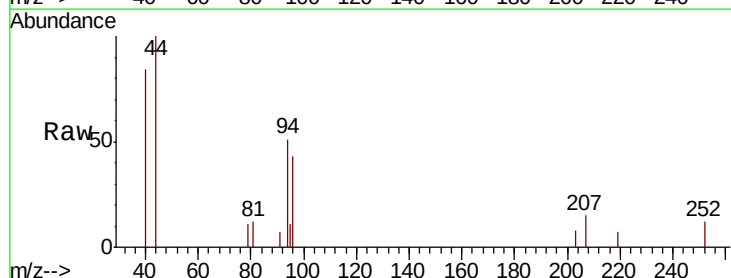
Acq: 17 Apr 2020 20:17

Tgt Ion: 94 Resp: 1970

Ion Ratio Lower Upper

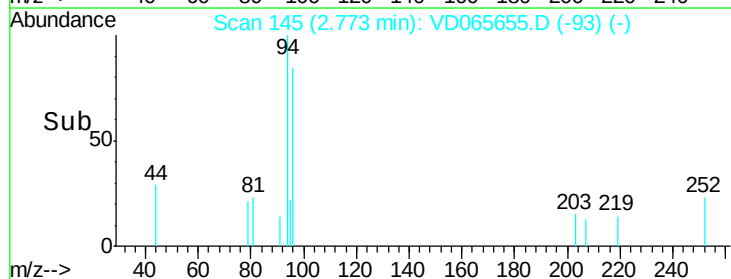
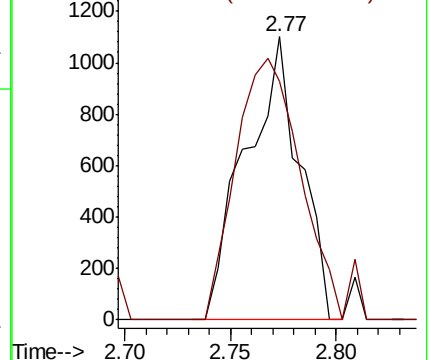
94 100

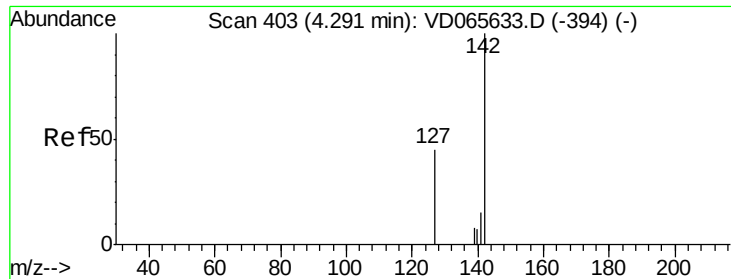
96 84.5 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

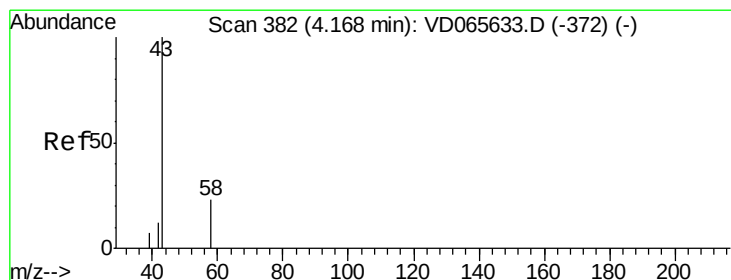
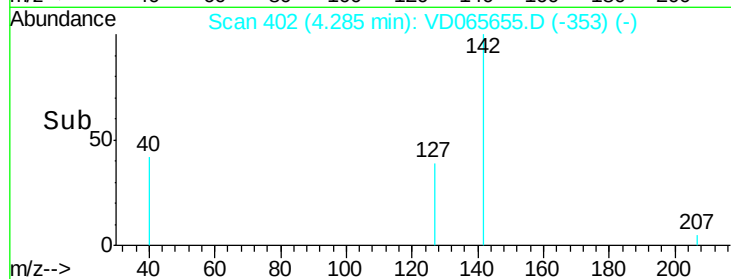
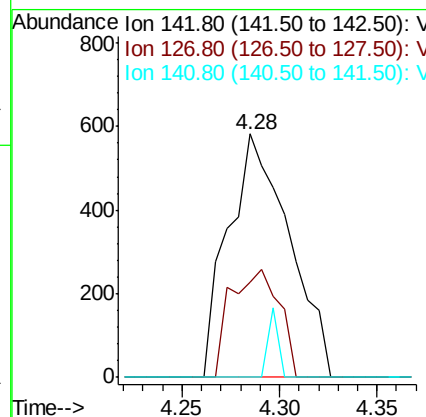
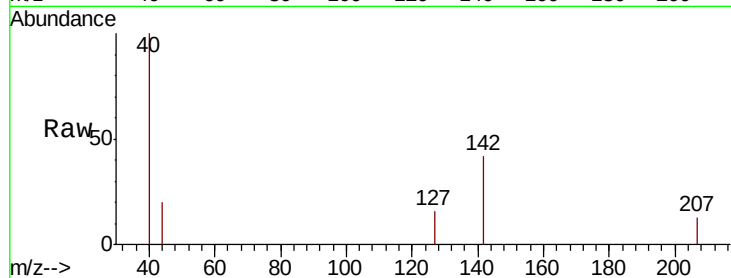




#10
Methvl Iodide
Concen: 7.845 ug/l
RT: 4.28 min Scan# 402
Delta R.T. -0.01 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

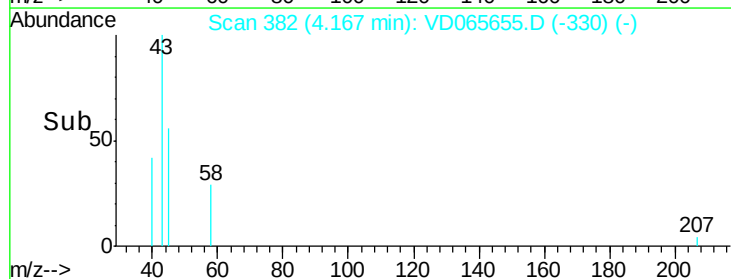
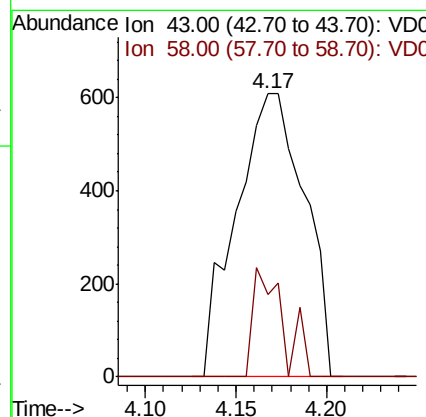
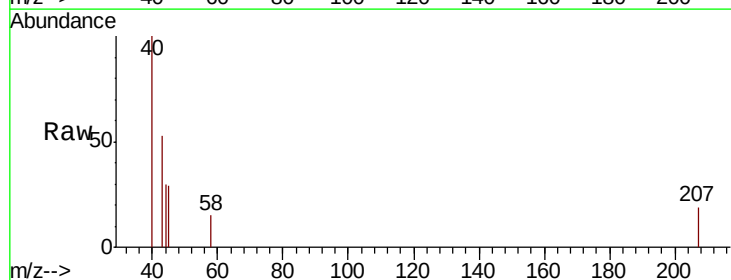
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ClientSampleId :
TP-4-2

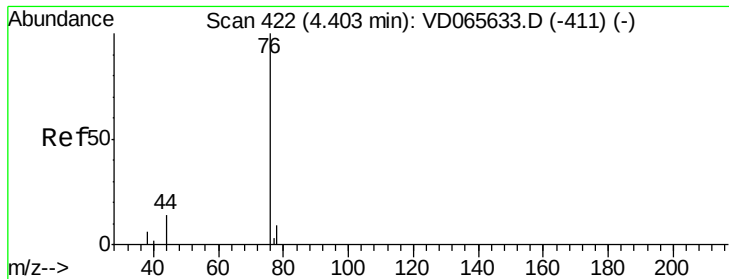
Tot Ion:142 Resp: 1261
Ion Ratio Lower Upper
142 100
127 35.3 38.1 57.1#
141 4.7 12.1 18.1#



#16
Acetone
Concen: 6.556 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
58 29.3 22.9 34.3





#17

Carbon Disulfide

Concen: 6.023 ug/l

RT: 4.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: VD065655.D

Acq: 17 Apr 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

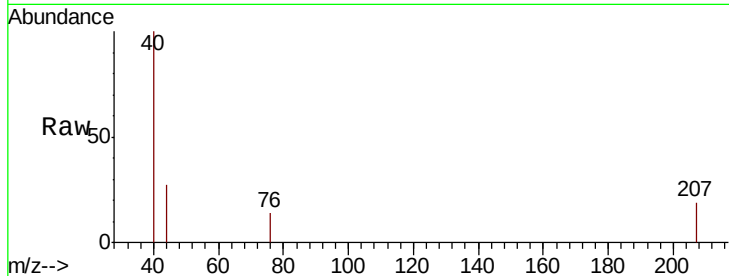
TP-4-2

Tot Ion: 76 Resp: 56

Ion Ratio Lower Upper

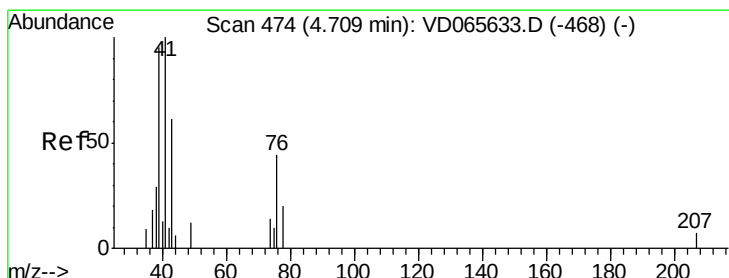
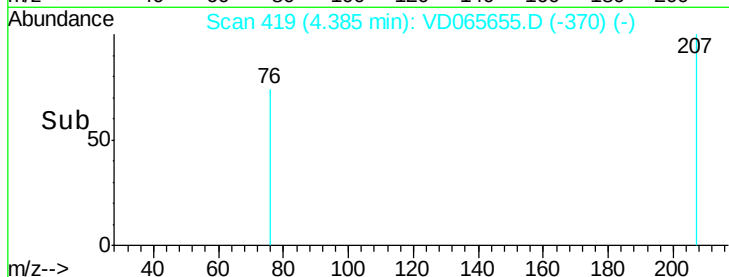
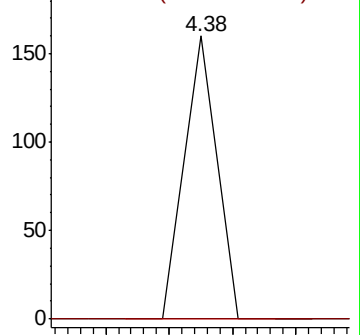
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 6.430 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065655.D

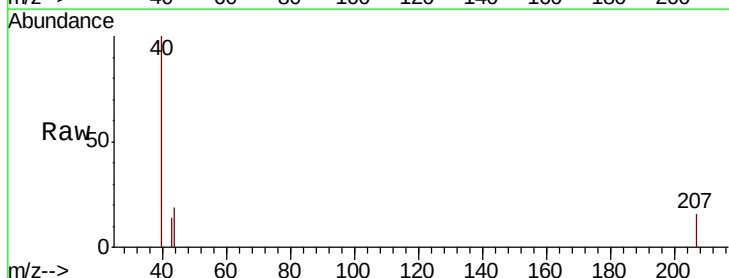
Acq: 17 Apr 2020 20:17

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

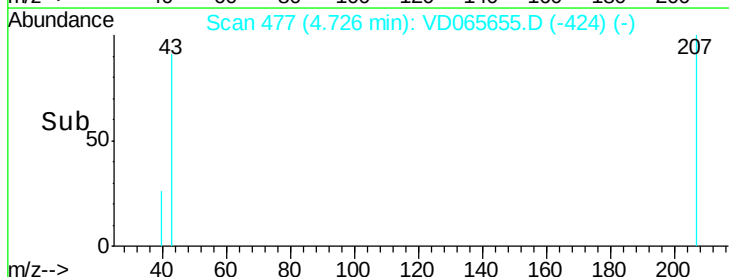
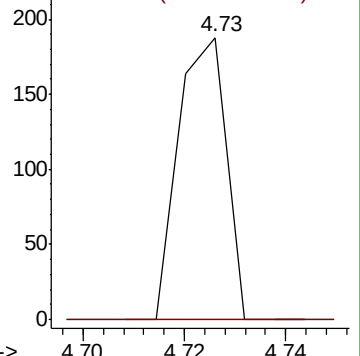
43 100

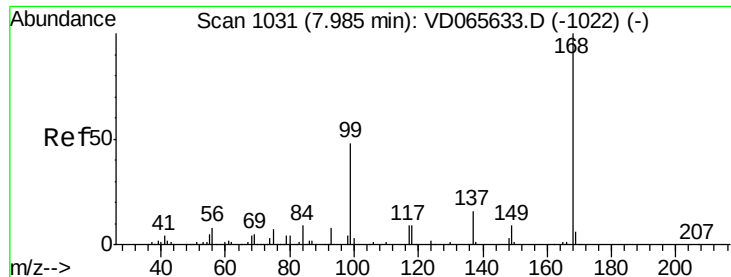
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

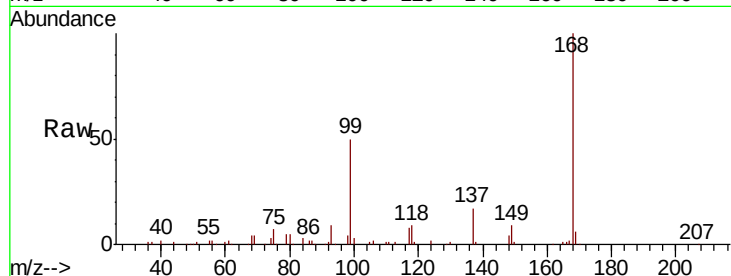




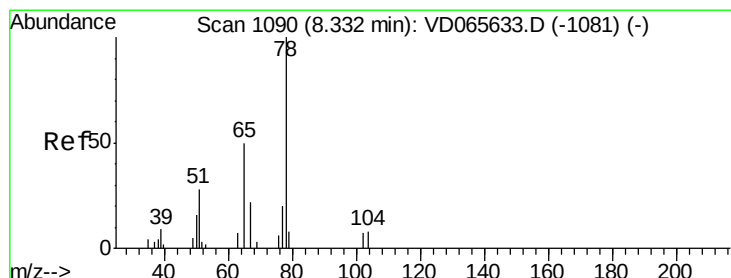
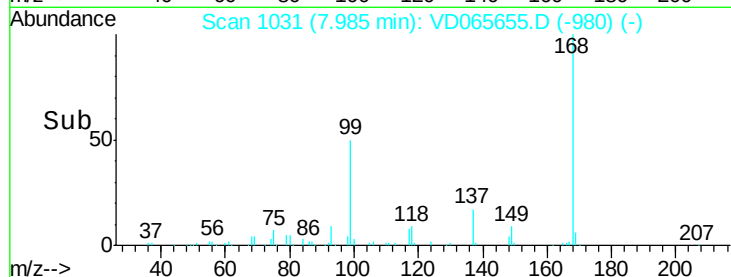
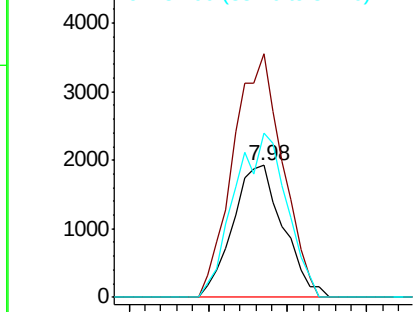
#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Instrument :
MSVOA_D
ClientSampled :
TP-4-2

Tot Ion: 56 Resp: 4243
Ion Ratio Lower Upper
56 100
69 184.2 26.6 40.0#
84 124.7 75.3 112.9#

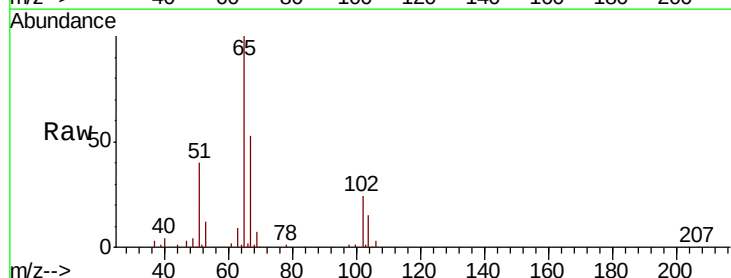


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

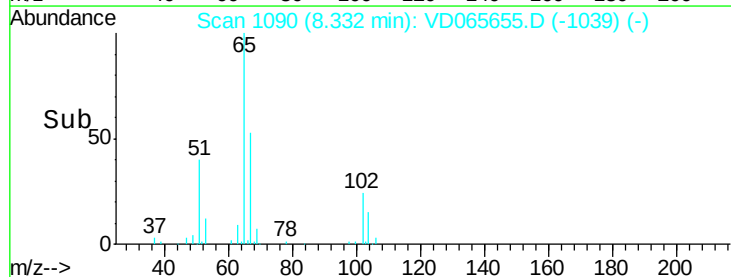
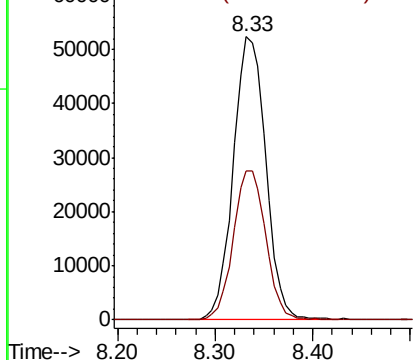


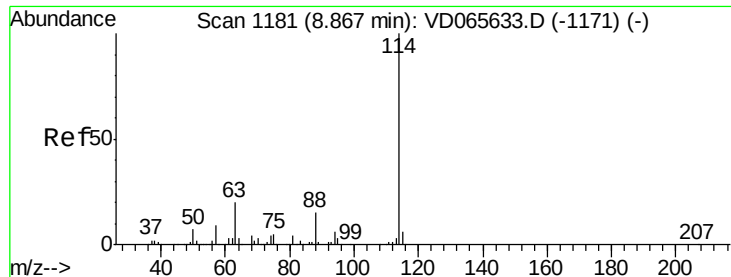
#33
1,2-Dichloroethane-d4
Concen: 71.171 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Tgt Ion: 65 Resp: 121827
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

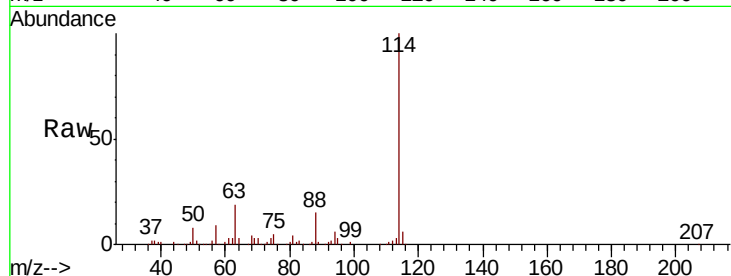




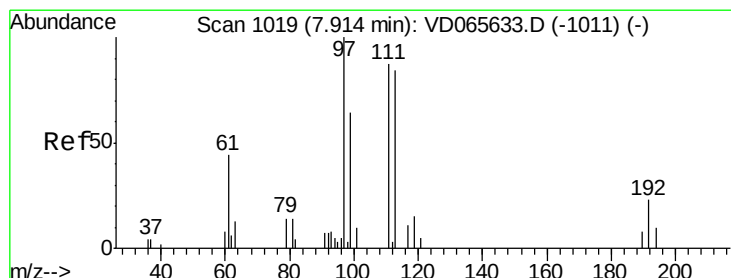
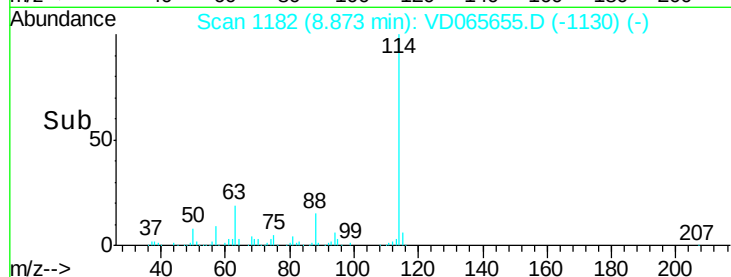
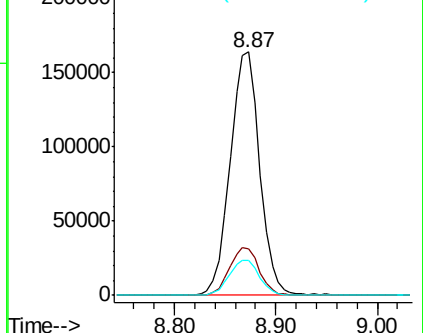
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065655.D
 Acq: 17 Apr 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-2

Tot Ion:114 Resp: 331633
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 14.5 0.0 31.6

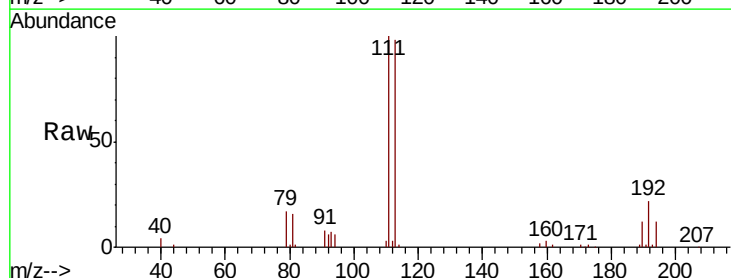


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

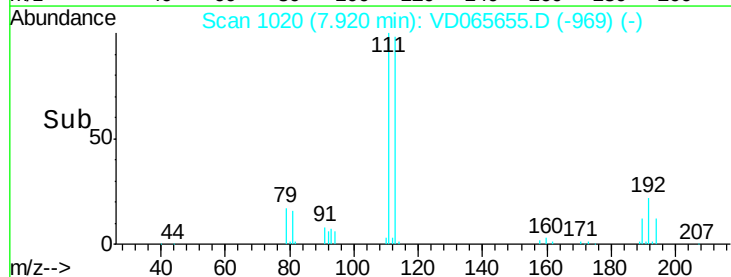
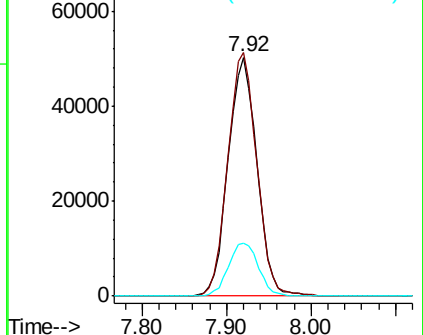


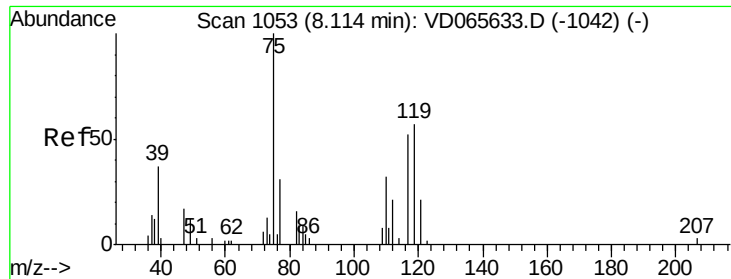
#35
 Dibromofluoromethane
 Concen: 57.365 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065655.D
 Acq: 17 Apr 2020 20:17

Tgt Ion:113 Resp: 118402
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 23.0 18.9 28.3



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

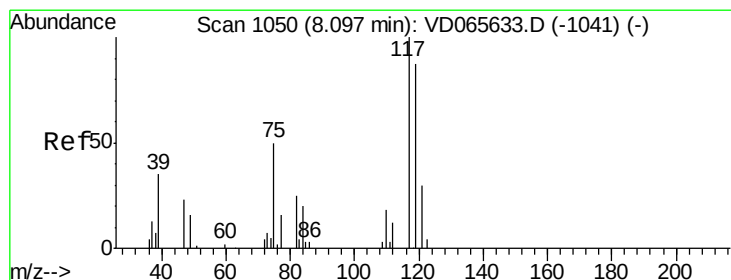
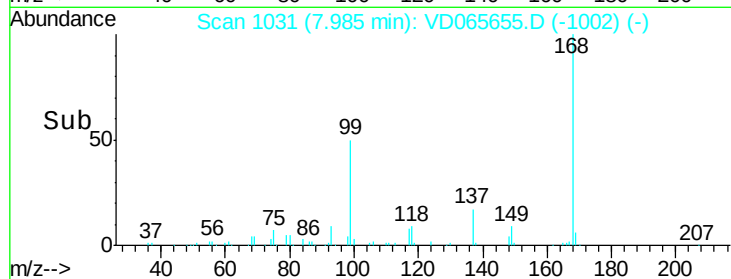
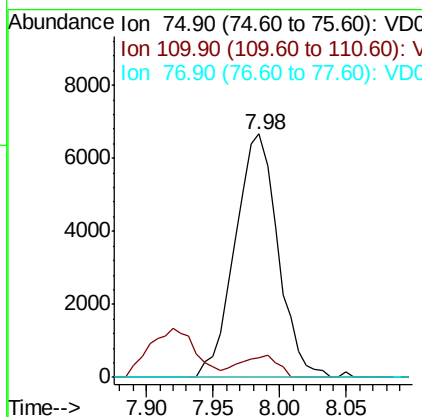
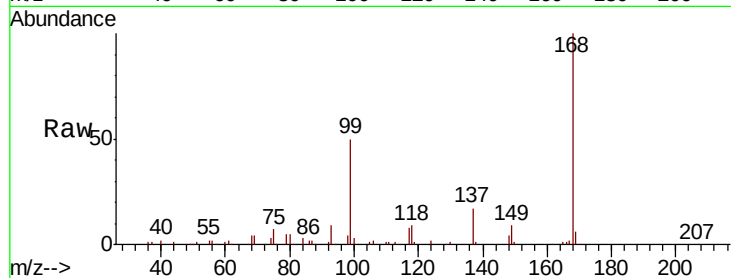




#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065655.D
 Acq: 17 Apr 2020 20:17

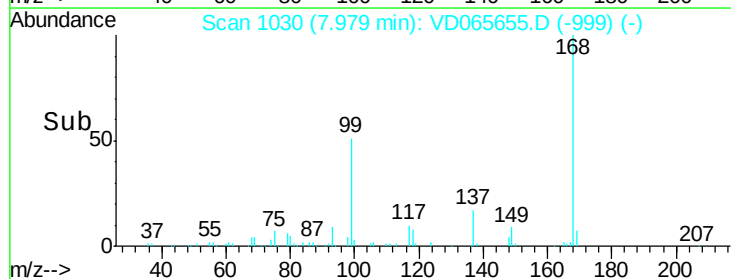
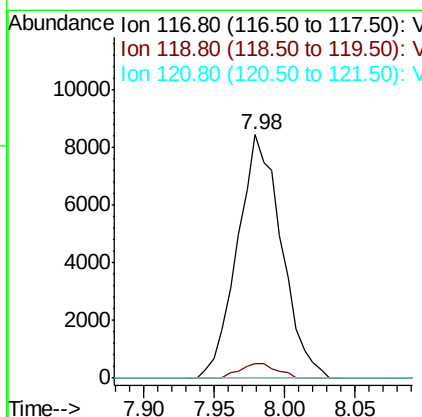
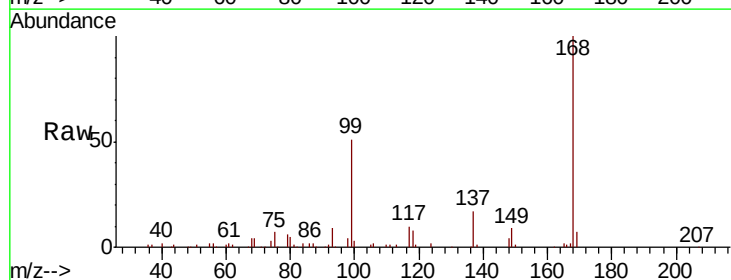
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 ClientSampleId :
 TP-4-2

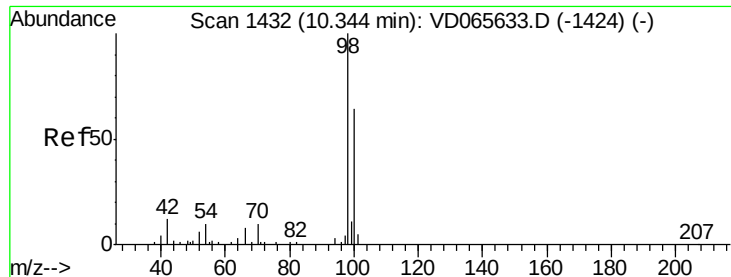
Tot Ion	75	Resp	14862
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.379 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065655.D
 Acq: 17 Apr 2020 20:17

Tgt Ion	117	Resp	18451
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.9	75.3	112.9#
121	0.0	24.9	37.3#

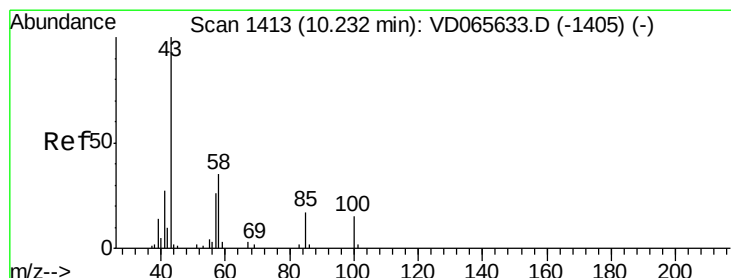
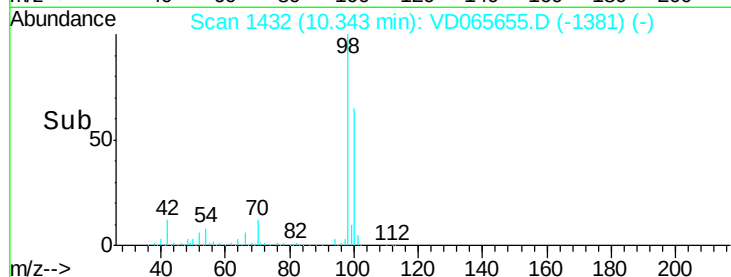
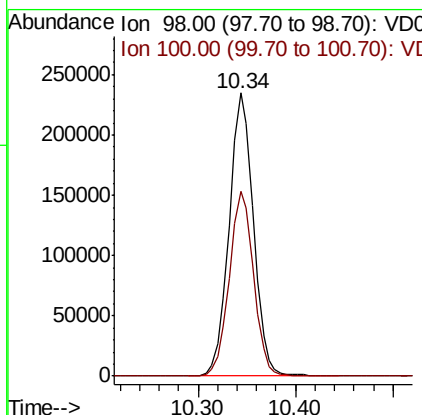
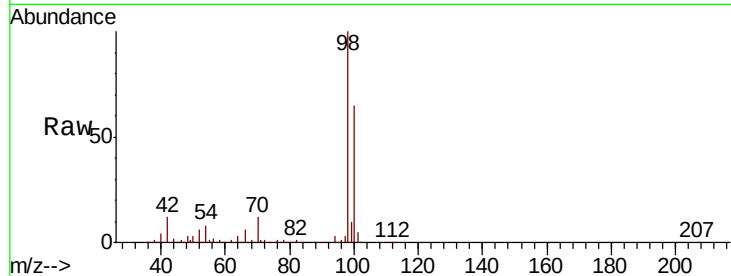




#50
Toluene-d8
Concen: 53.431 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

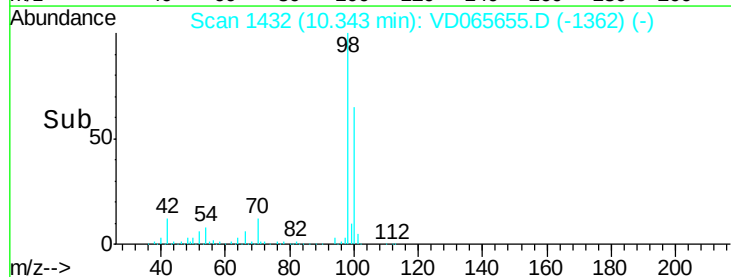
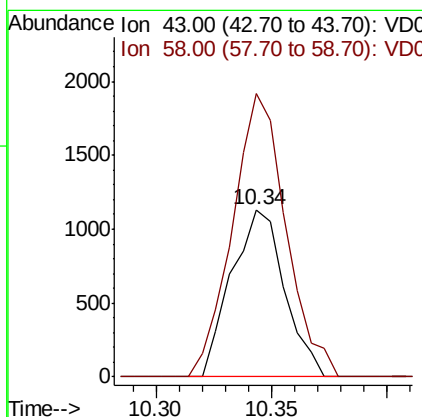
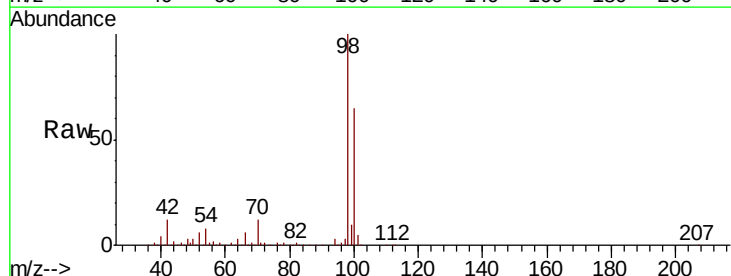
Instrument :
MSVOA_D
ClientSampleId :
TP-4-2

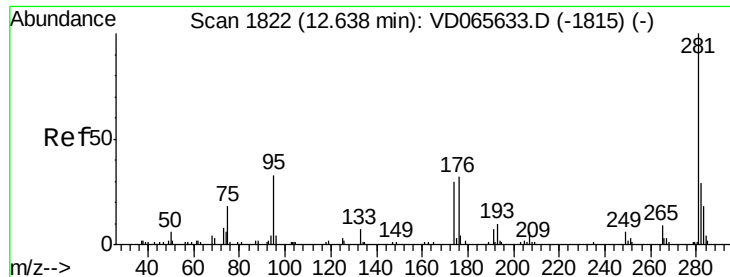
Tot Ion: 98 Resp: 406537
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 11.027 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Tgt Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
58 171.8 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 48.098 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065655.D

Acq: 17 Apr 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

TP-4-2

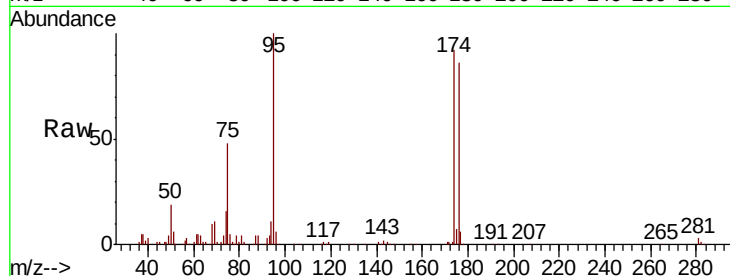
Tot Ion: 95 Resp: 121770

Ion Ratio Lower Upper

95 100

174 95.4 0.0 183.8

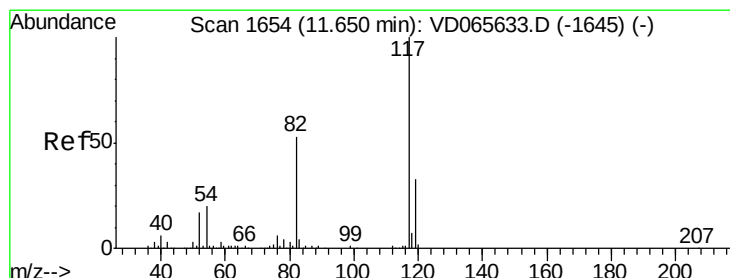
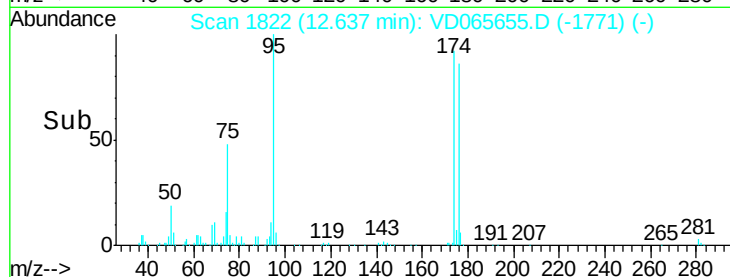
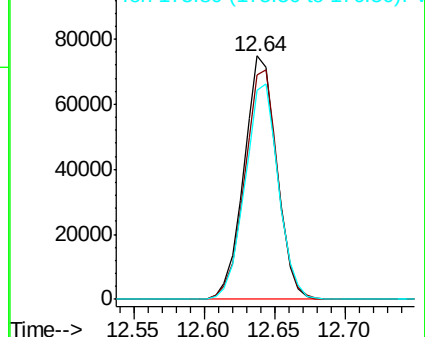
176 89.8 0.0 181.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065655.D

Acq: 17 Apr 2020 20:17

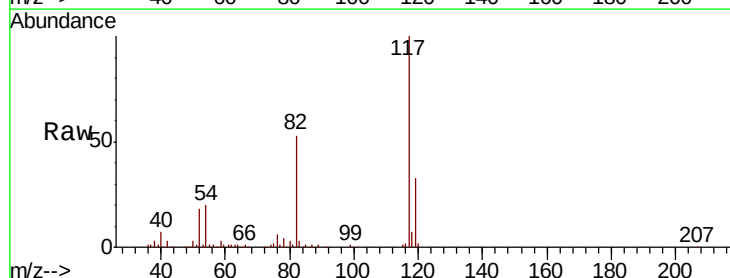
Tgt Ion: 117 Resp: 315372

Ion Ratio Lower Upper

117 100

82 53.5 43.2 64.8

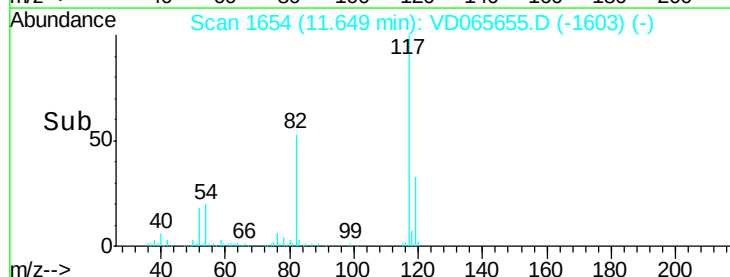
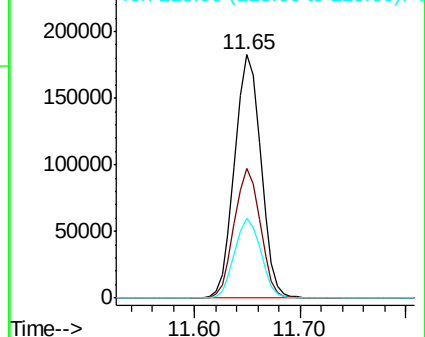
119 32.9 26.2 39.4

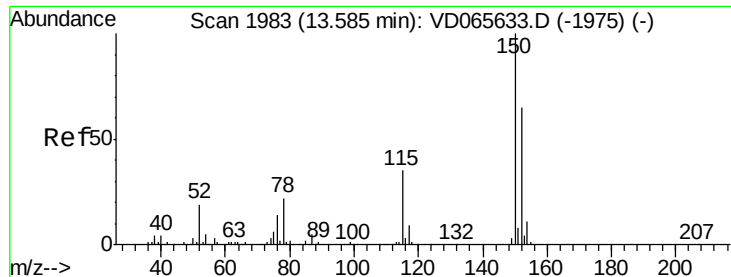


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065655.D

Acq: 17 Apr 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

TP-4-2

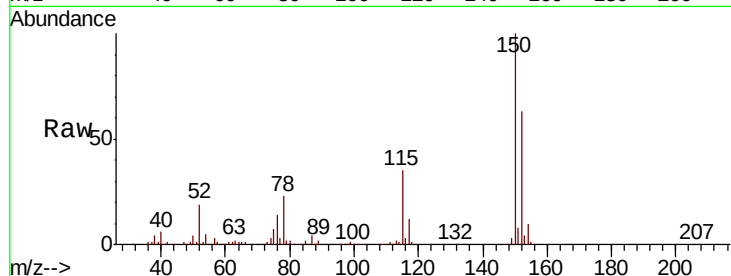
Tot Ion:152 Resp: 147186

Ion Ratio Lower Upper

152 100

115 55.3 27.6 82.7

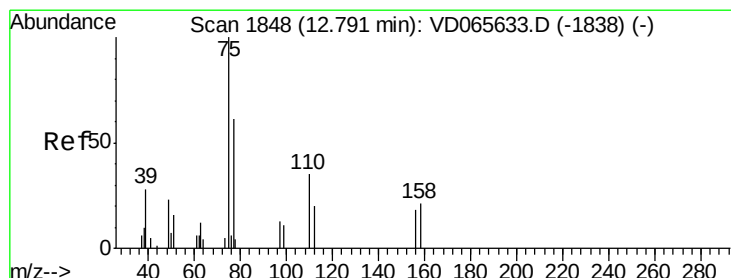
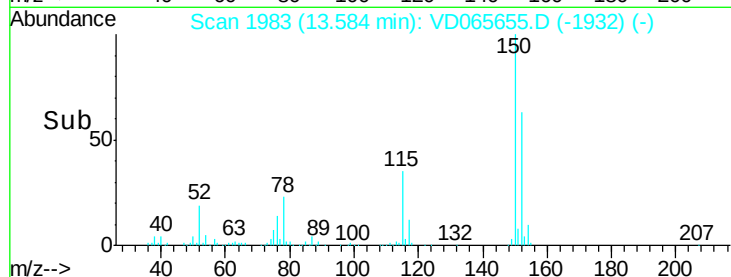
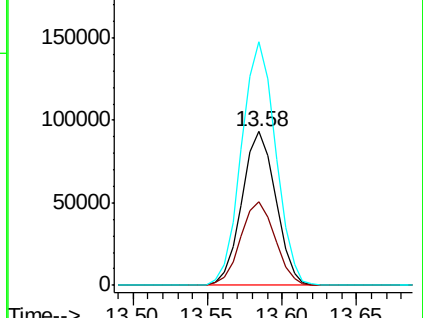
150 159.3 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 51.462 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065655.D

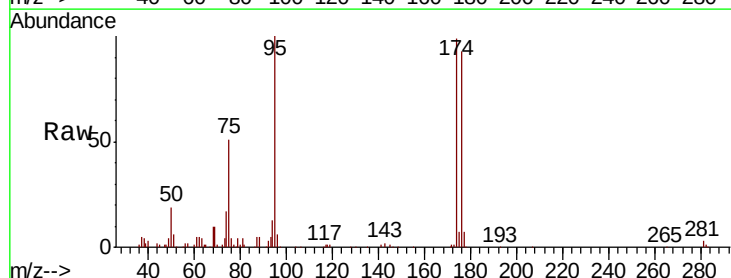
Acq: 17 Apr 2020 20:17

Tgt Ion: 75 Resp: 60901

Ion Ratio Lower Upper

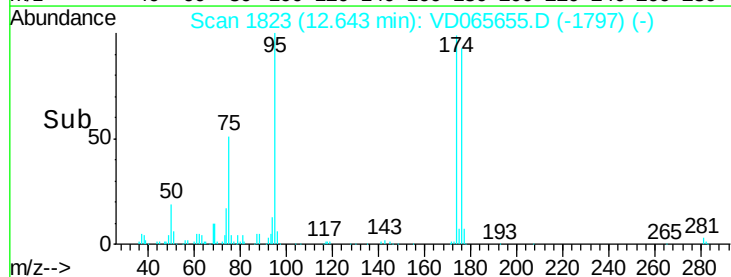
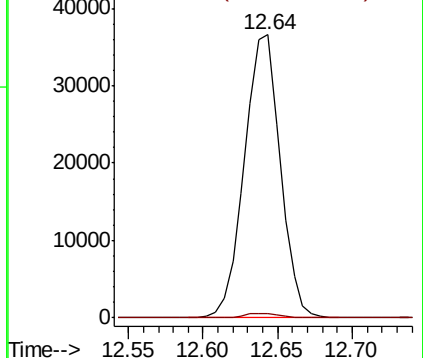
75 100

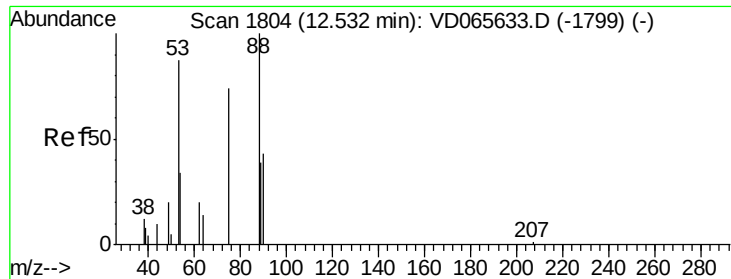
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

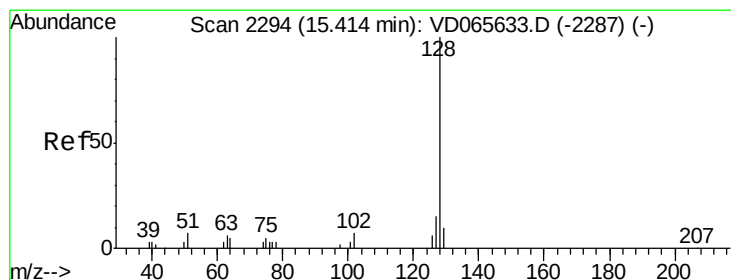
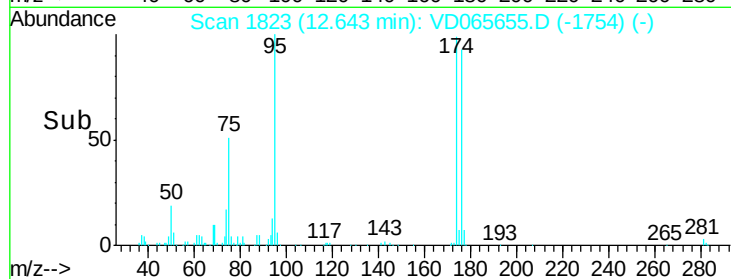
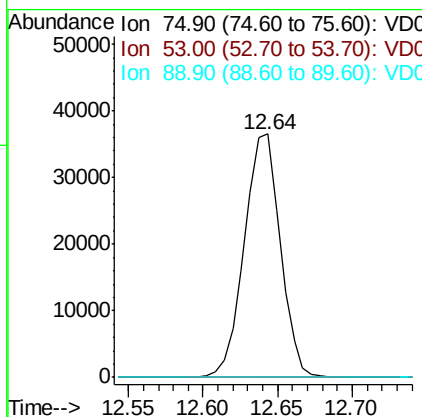
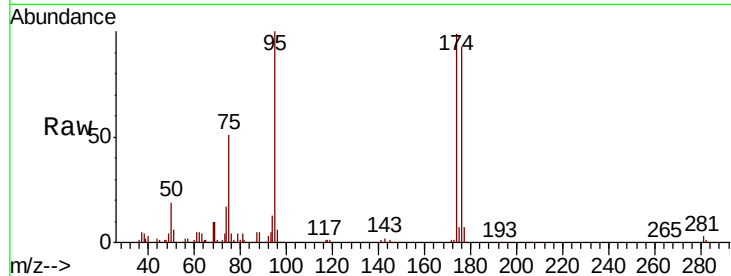




#81
trans-1,4-Dichloro-2-butene
Concen: 112.785 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
TP-4-2

Tot Ion: 75 Resp: 60901
Ion Ratio Lower Upper
75 100
53 0.0 76.8 115.2#
89 0.0 36.1 54.1#



#95
Naphthalene
Concen: 4.117 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065655.D
Acq: 17 Apr 2020 20:17

Tgt Ion: 128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

