

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065433.D
 Acq On : 05 Mar 2020 16:09
 Operator : VA/SY
 Sample : L1792-09
 Misc : 6.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:49:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	541889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	928054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	846892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	376615	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	279869	60.21	ug/l	0.00
Spiked Amount			Recovery	=	120.42%	
35) Dibromofluoromethane	7.92	113	300322	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	10.34	98	1121353	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	329235	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

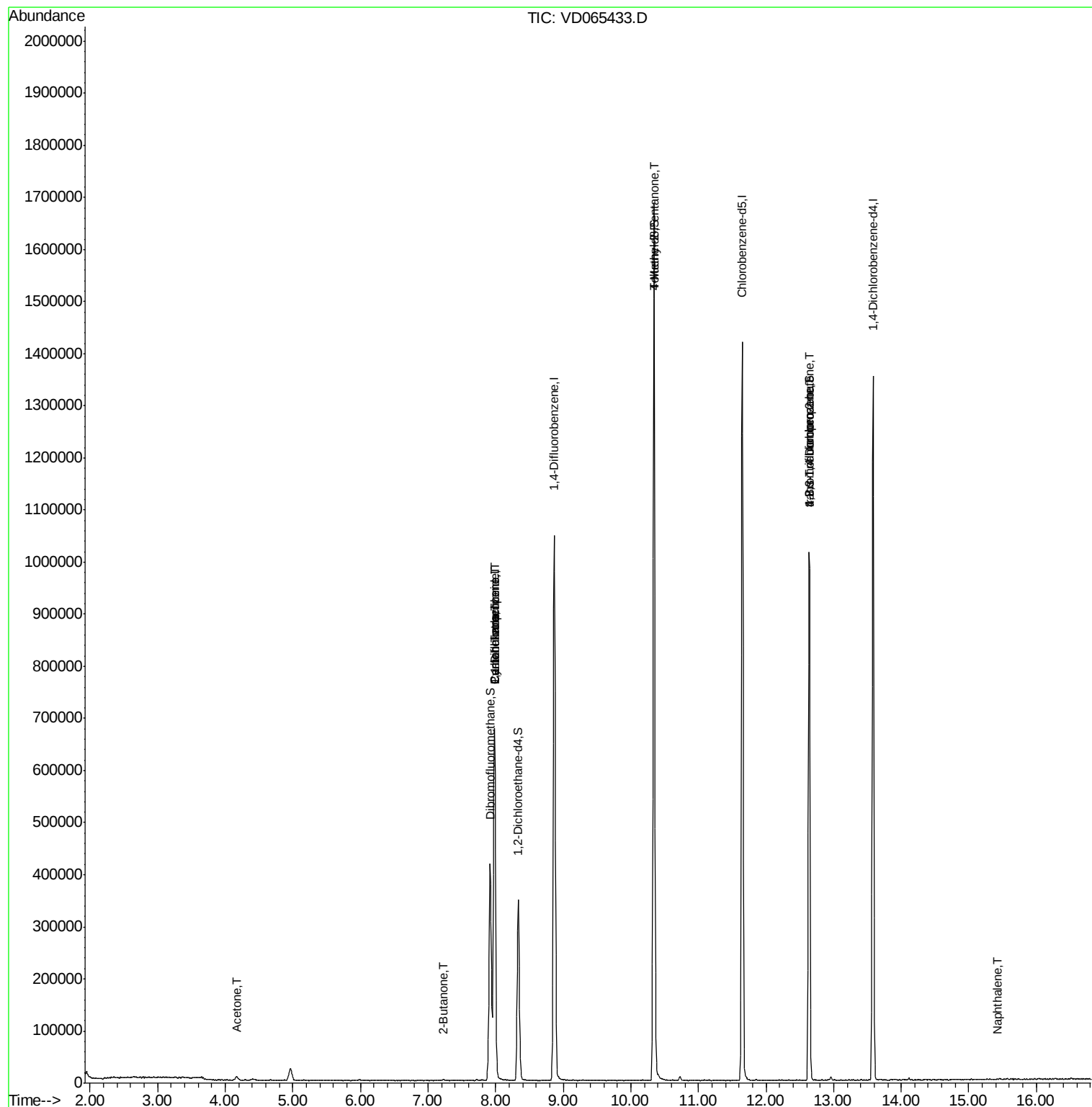
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	231	Below Cal	#	40
16) Acetone	4.17	43	12302	13.086	ug/l	89
25) 2-Butanone	7.22	43	2378	1.854	ug/l #	85
31) Cyclohexane	7.99	56	10219	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	37998	4.271	ug/l #	48
38) Carbon Tetrachloride	7.99	117	49337	5.348	ug/l #	20
51) 4-Methyl-2-Pentanone	10.34	43	4582	1.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	164345	55.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	164345	116.702	ug/l #	14
95) Naphthalene	15.41	128	1078	4.488	ug/l #	76

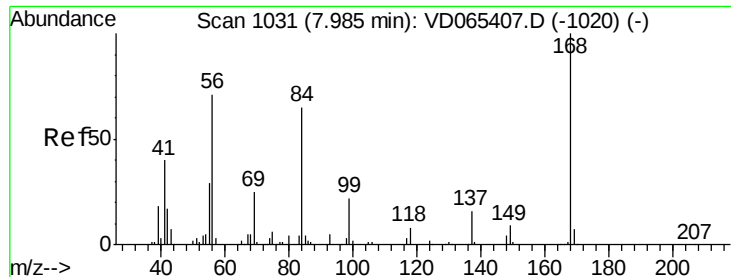
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 06 03:49:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
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: VD065433.D

Acq: 05 Mar 2020 16:09

Instrument :

MSVOA_D

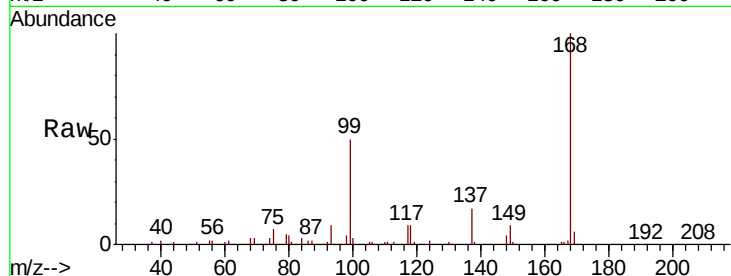
ClientSampled :

Tot Ion:168 Resp: 541889

Ion Ratio Lower Upper

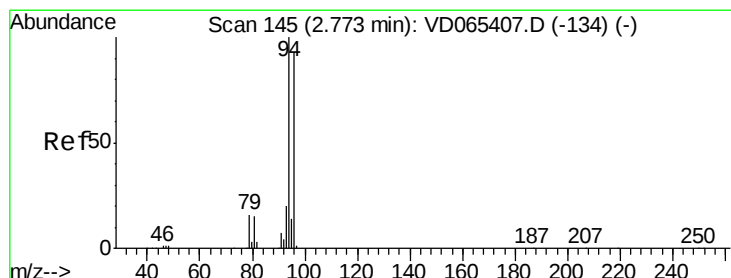
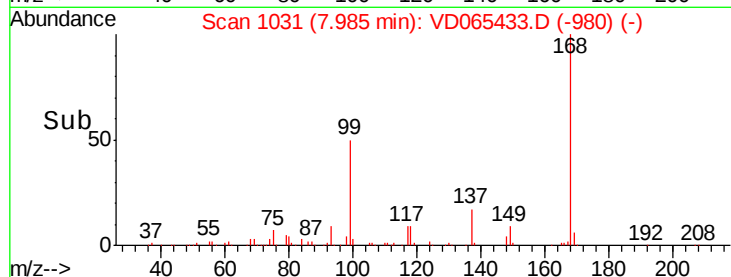
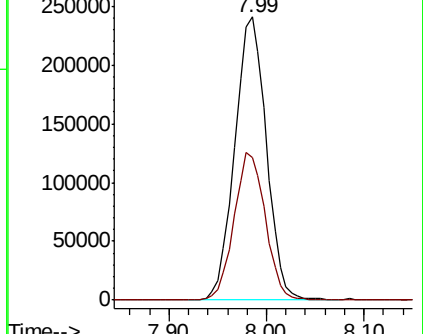
168 100

99 50.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065433.D

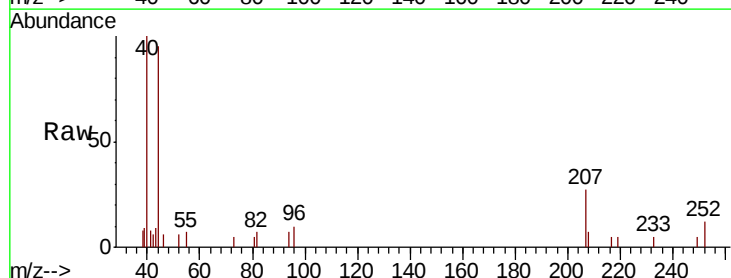
Acq: 05 Mar 2020 16:09

Tgt Ion: 94 Resp: 231

Ion Ratio Lower Upper

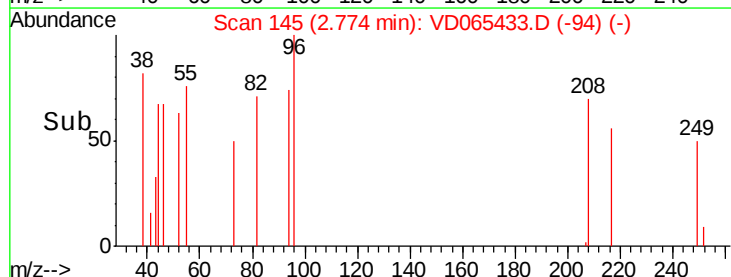
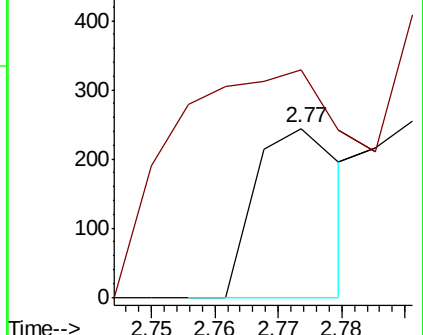
94 100

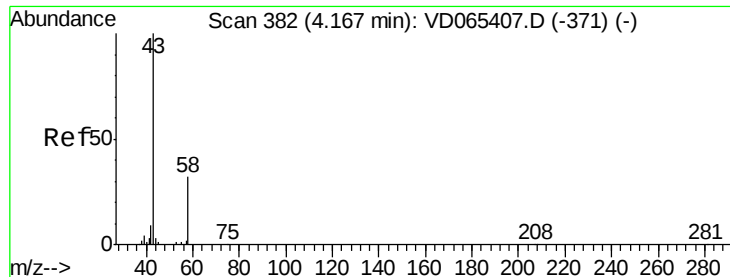
96 35.7 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 13.086 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065433.D

Acq: 05 Mar 2020 16:09

Instrument :

MSVOA_D

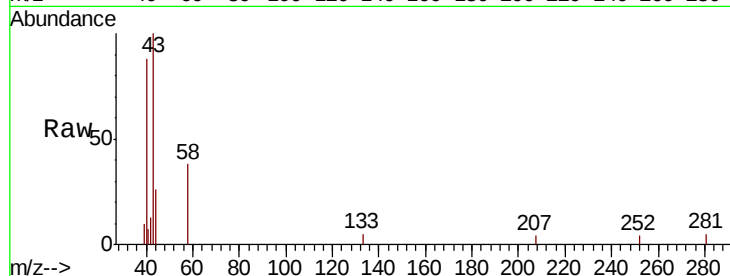
ClientSampled :

Tot Ion: 43 Resp: 12302

Ion Ratio Lower Upper

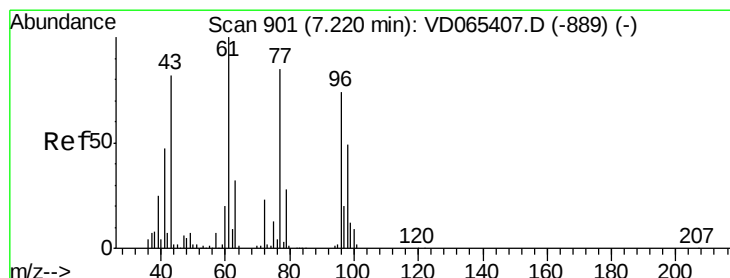
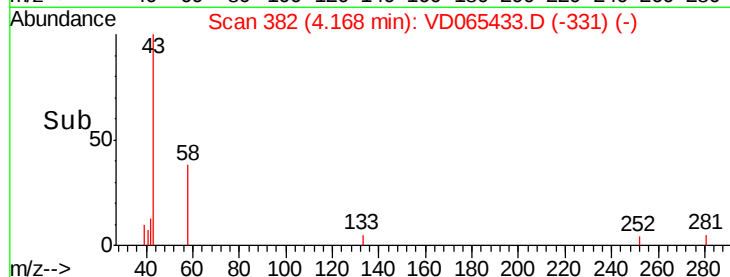
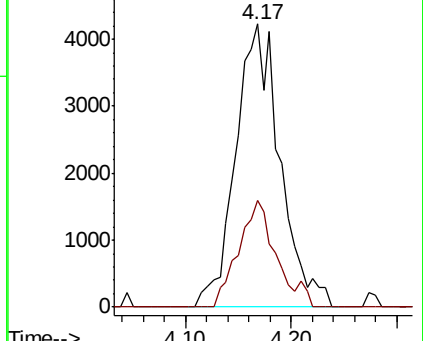
43 100

58 37.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.854 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065433.D

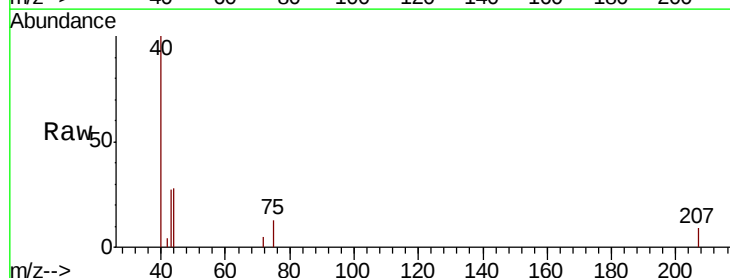
Acq: 05 Mar 2020 16:09

Tgt Ion: 43 Resp: 2378

Ion Ratio Lower Upper

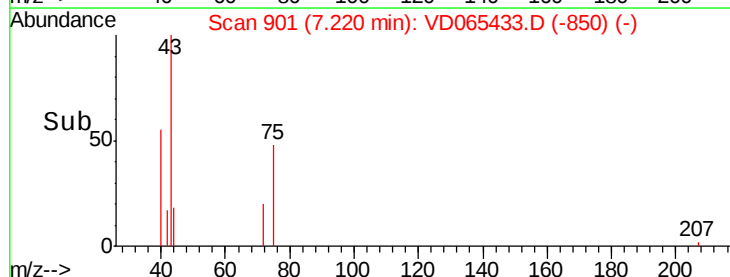
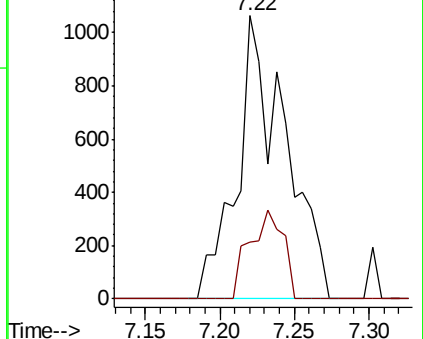
43 100

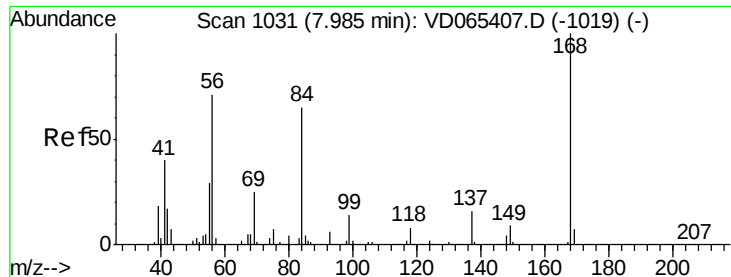
72 20.2 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

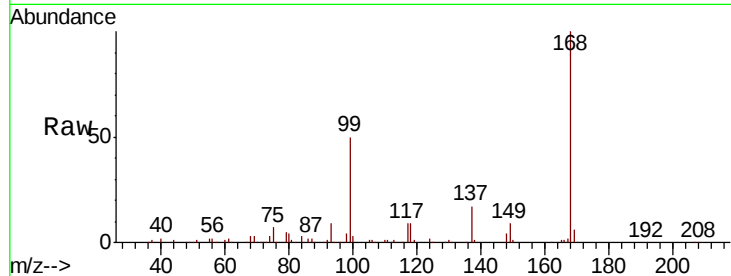




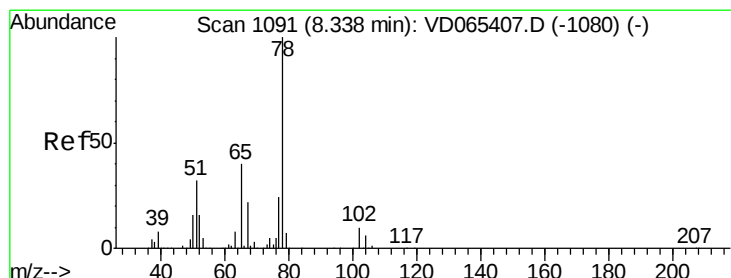
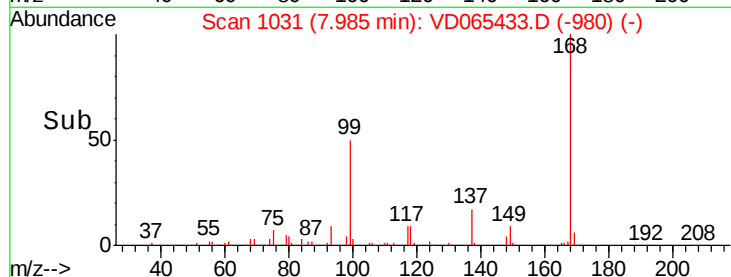
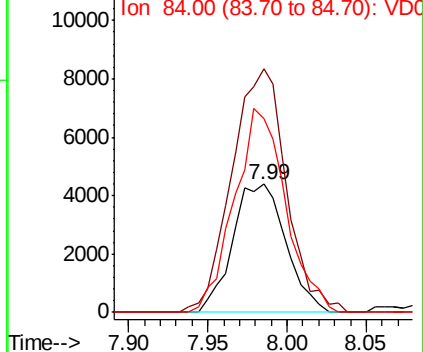
#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 10219
Ion Ratio Lower Upper
56 100
69 186.3 28.3 42.5#
84 151.9 73.1 109.7#

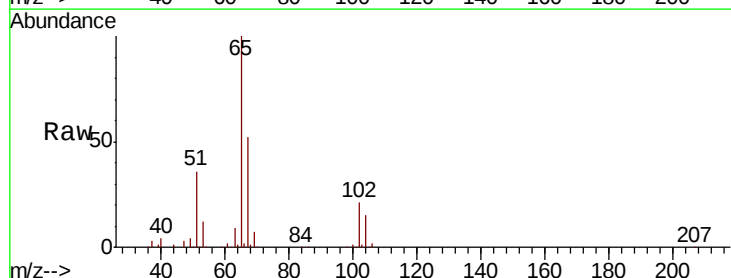


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

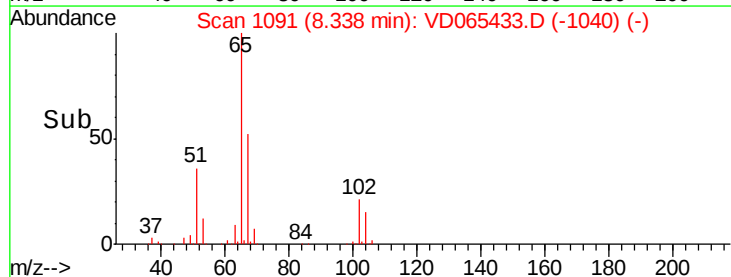
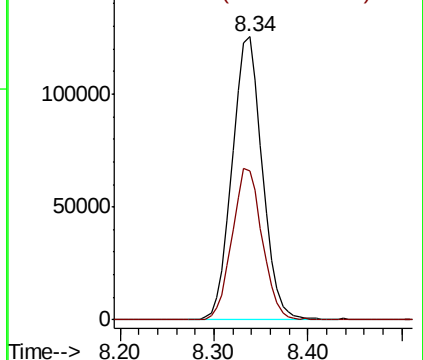


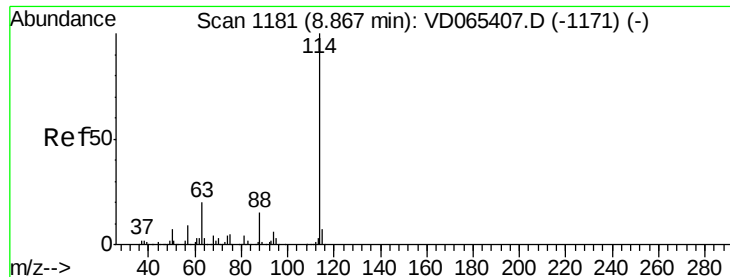
#33
1,2-Dichloroethane-d4
Concen: 60.209 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

Tgt Ion: 65 Resp: 279869
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.0



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

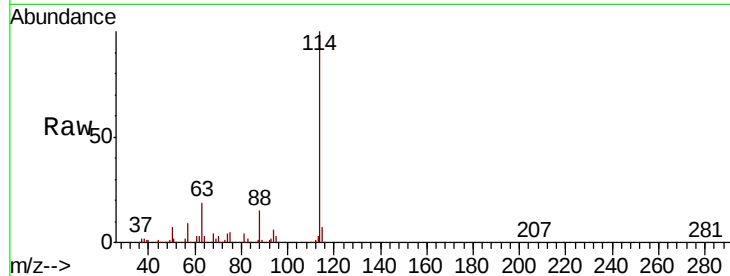




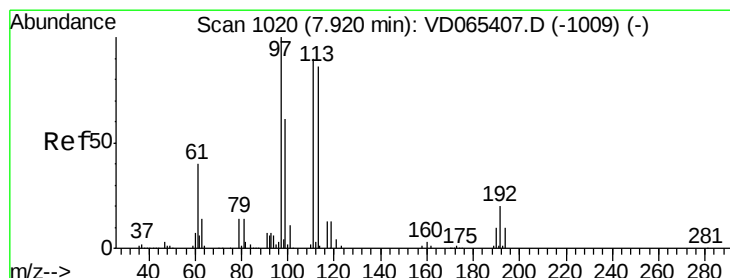
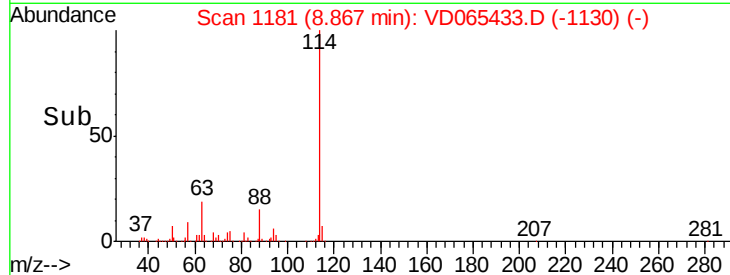
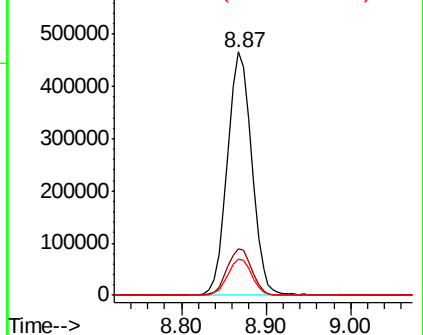
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065433.D
 Acq: 05 Mar 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	14.8	0.0	30.4

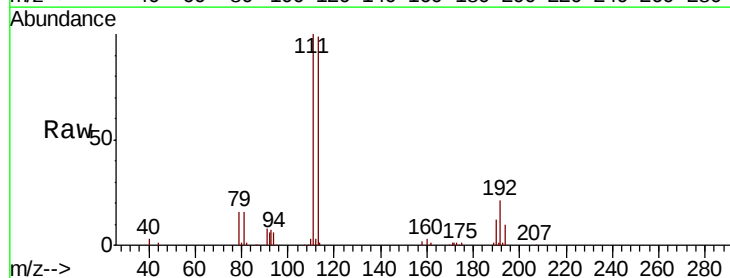


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

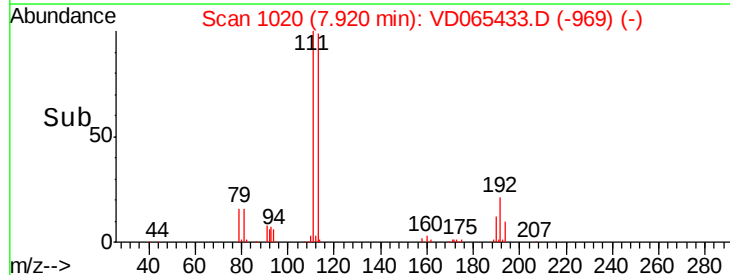
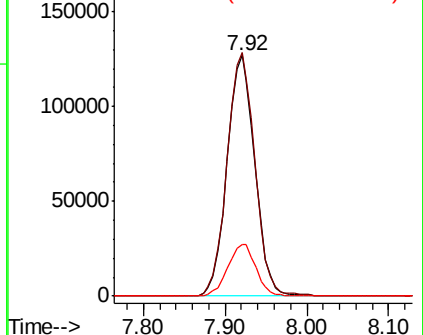


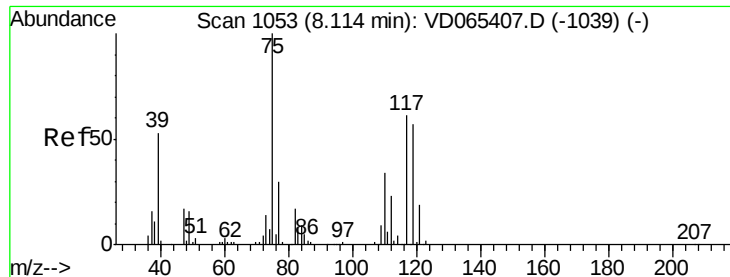
#35
 Dibromofluoromethane
 Concen: 52.329 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065433.D
 Acq: 05 Mar 2020 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	21.7	17.2	25.8



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

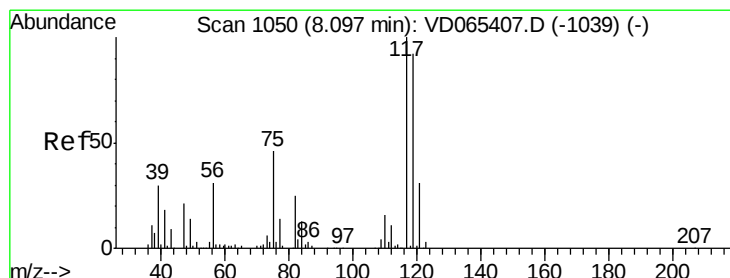
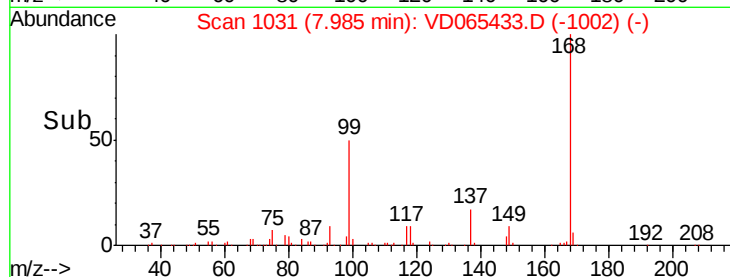
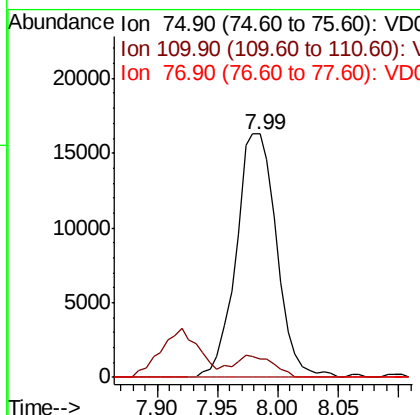
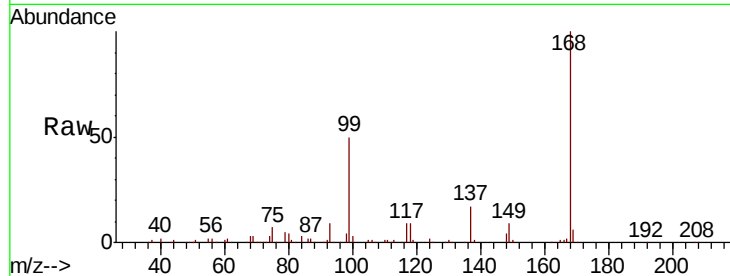




#36
 1,1-Dichloropropene
 Concen: 4.271 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065433.D
 Acq: 05 Mar 2020 16:09

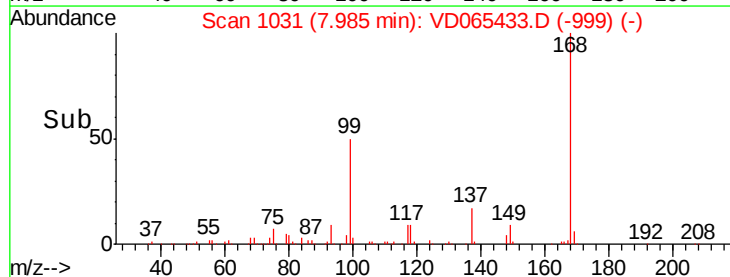
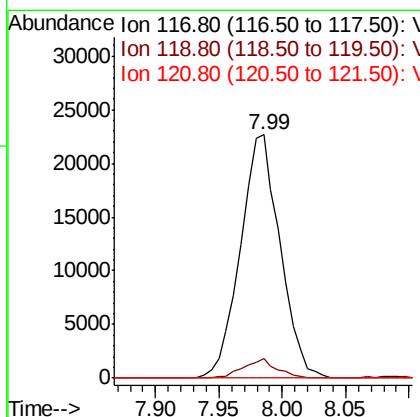
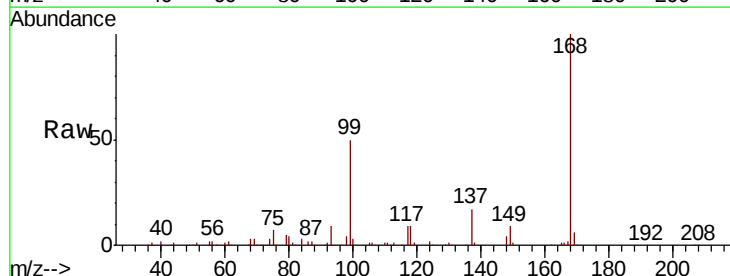
Instrument :
 MSVOA_D
 ClientSampled :

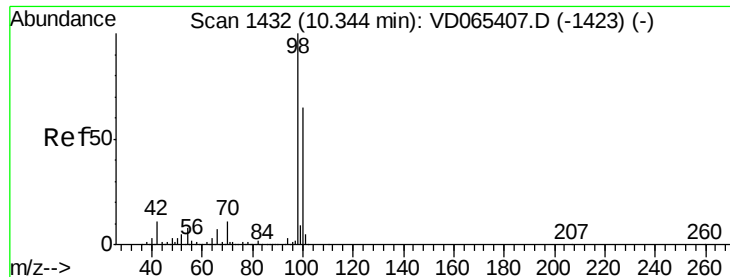
Tot Ion	75	Resp	37998
Ion Ratio	100	Lower	Upper
75	100		
110	7.5	18.1	54.1#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.348 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065433.D
 Acq: 05 Mar 2020 16:09

Tgt Ion	117	Resp	49337
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	7.8	73.3	109.9#
121	0.0	25.0	37.4#

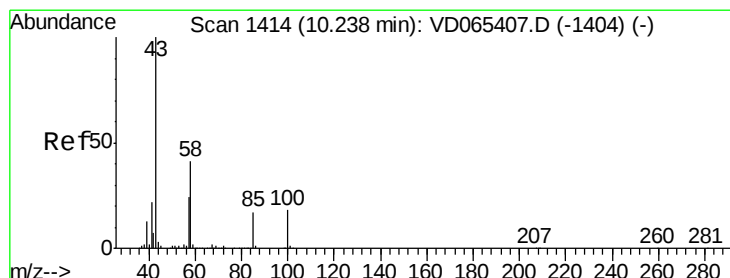
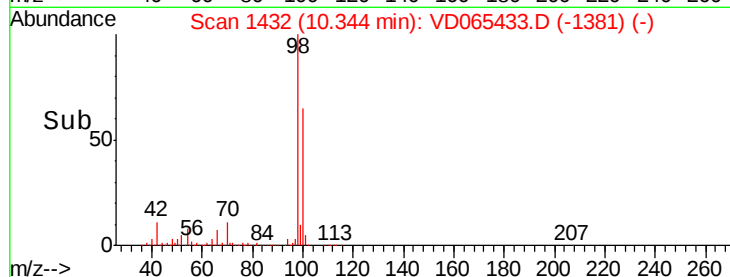
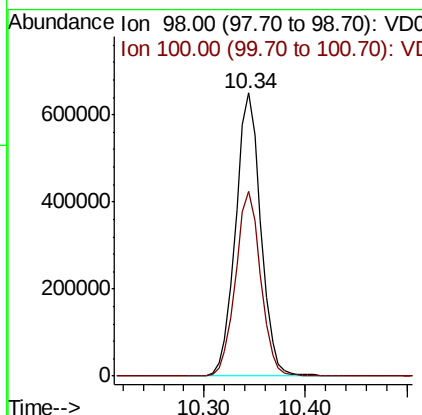
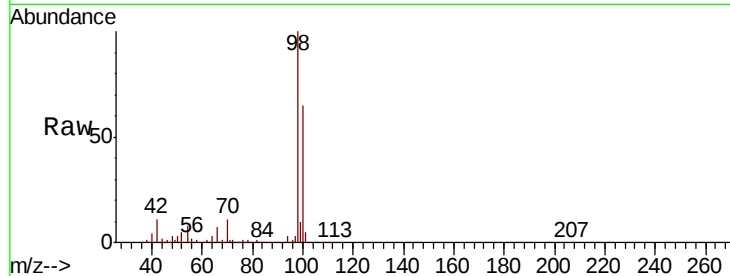




#50
Toluene-d8
Concen: 50.930 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

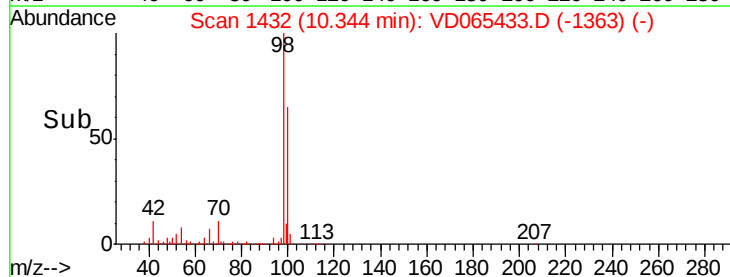
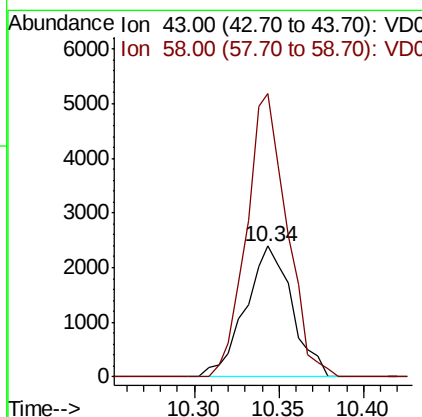
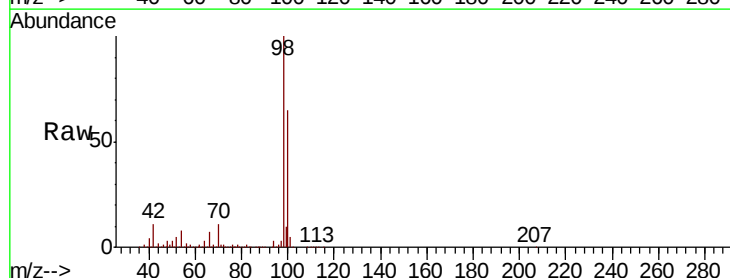
Instrument :
MSVOA_D
ClientSampleId :

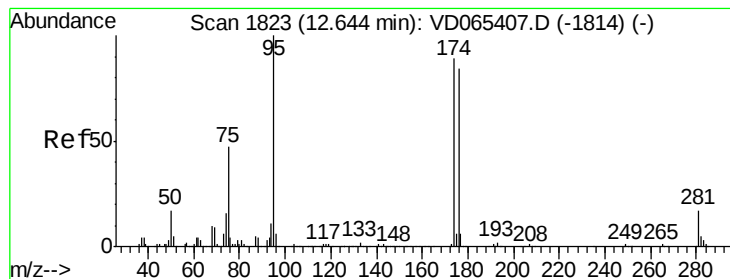
Tot Ion: 98 Resp: 1121353
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

Tgt Ion: 43 Resp: 4582
Ion Ratio Lower Upper
43 100
58 189.2 31.8 47.6#





#62

4-Bromofluorobenzene

Concen: 48.438 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065433.D

Acq: 05 Mar 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

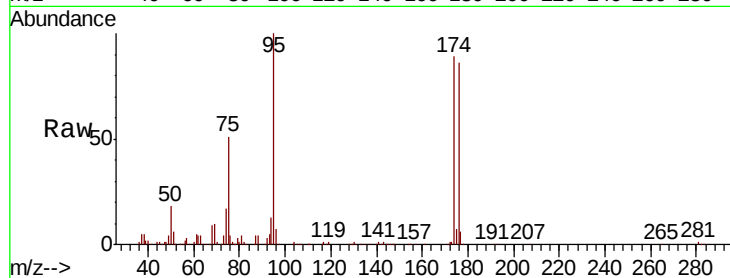
Tot Ion: 95 Resp: 329235

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.8

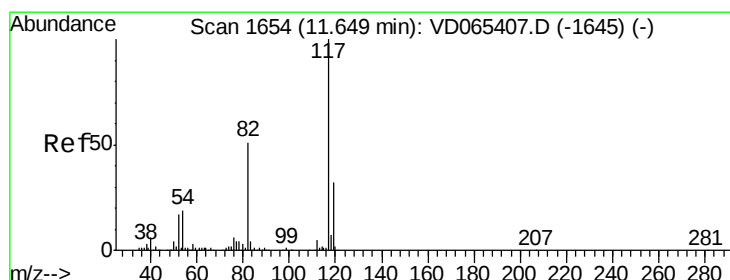
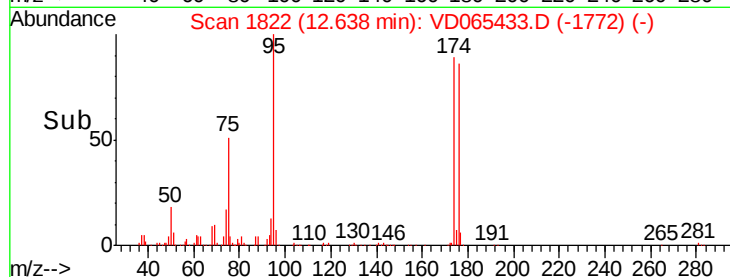
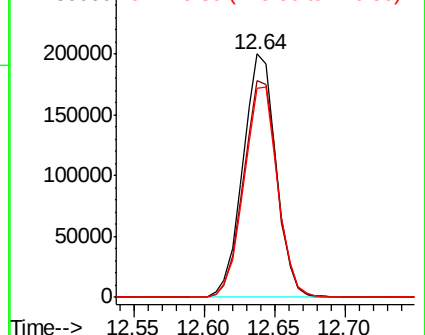
176 88.0 0.0 171.4



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: VD065433.D

Acq: 05 Mar 2020 16:09

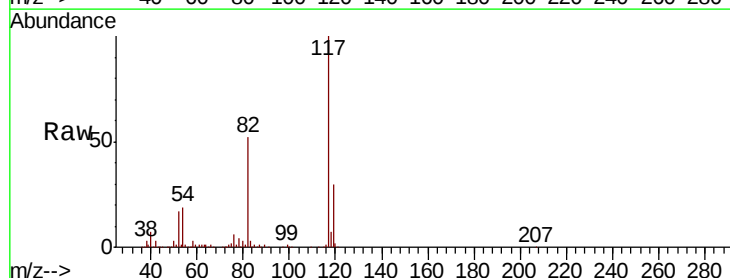
Tgt Ion: 117 Resp: 846892

Ion Ratio Lower Upper

117 100

82 51.8 40.6 60.8

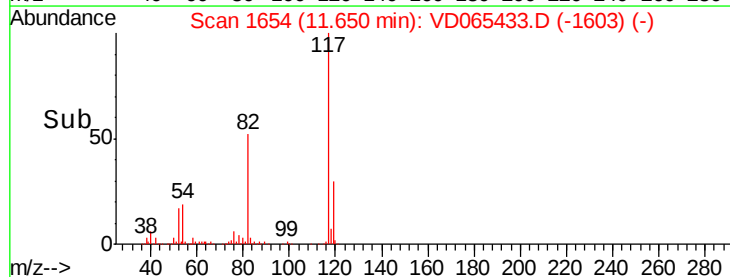
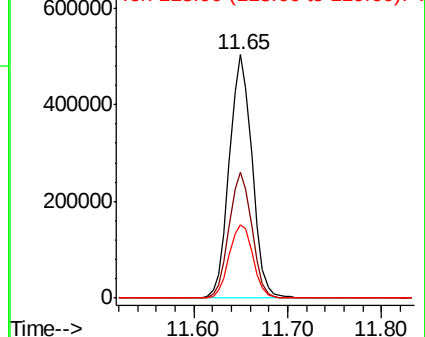
119 30.2 25.4 38.2

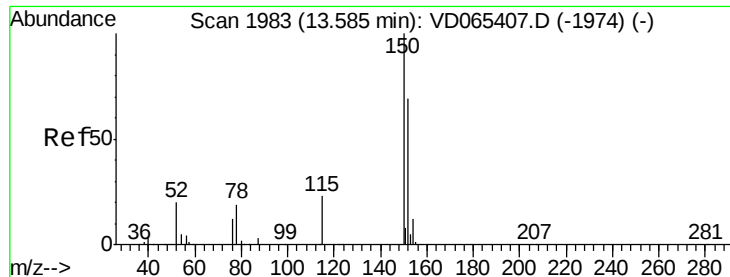


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065433.D

Acq: 05 Mar 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

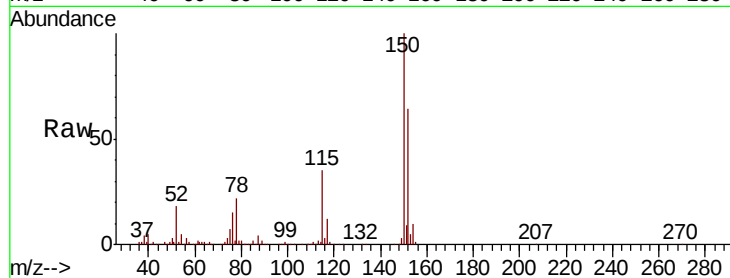
Tot Ion:152 Resp: 376615

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

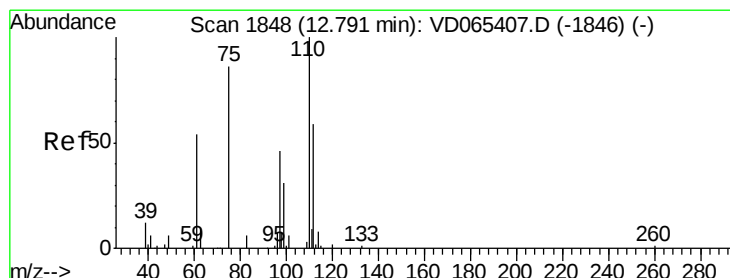
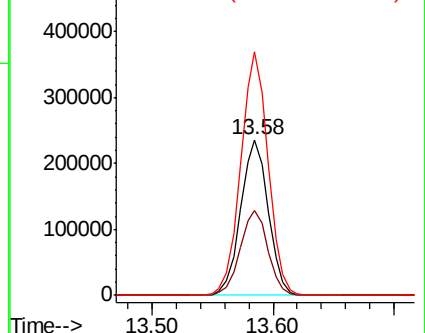
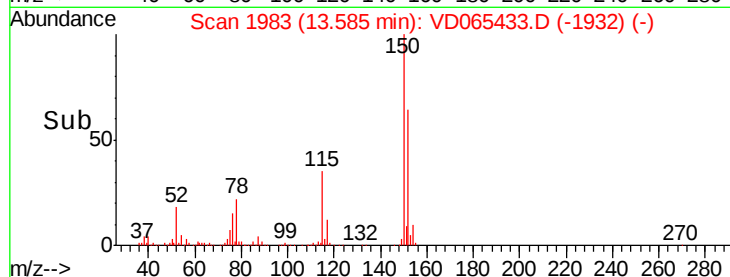
150 154.9 0.0 345.0



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: 55.301 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065433.D

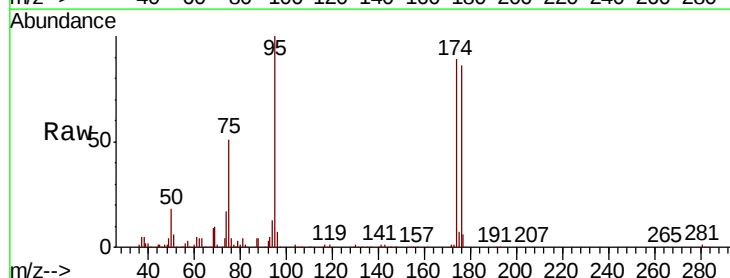
Acq: 05 Mar 2020 16:09

Tgt Ion: 75 Resp: 164345

Ion Ratio Lower Upper

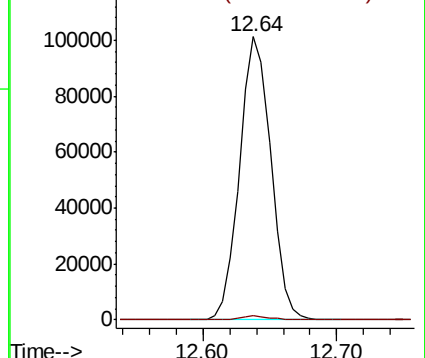
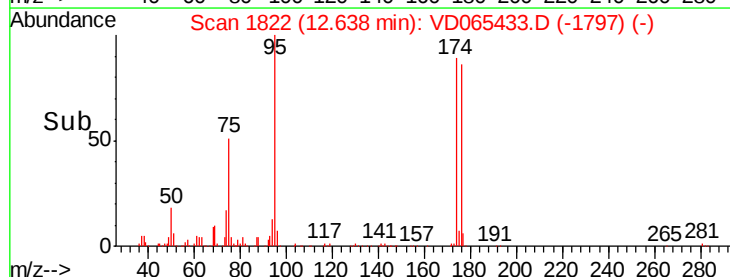
75 100

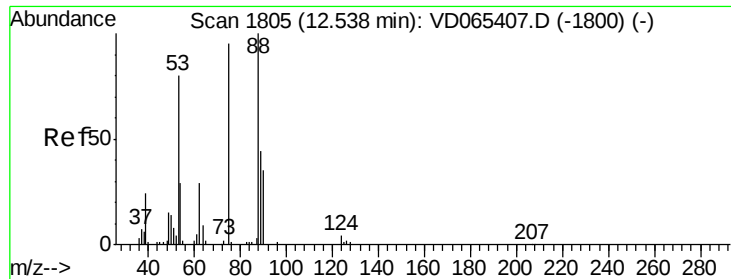
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

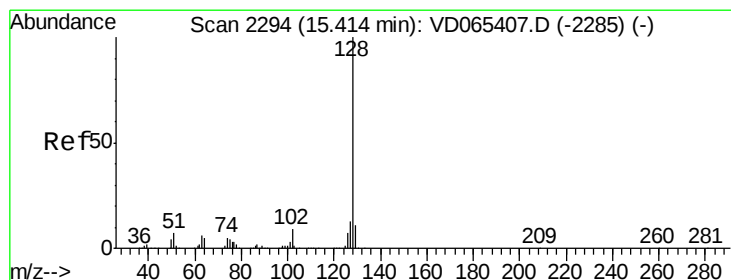
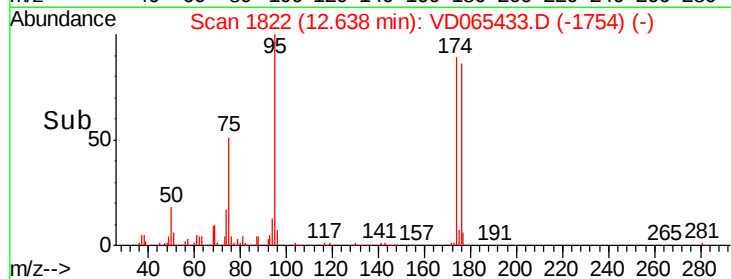
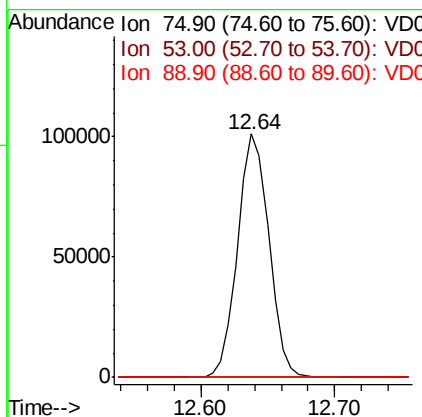
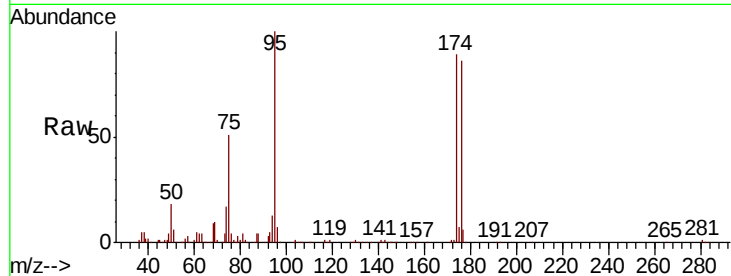




#81
trans-1,4-Dichloro-2-butene
Concen: 116.702 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 164345
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 4.488 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065433.D
Acq: 05 Mar 2020 16:09

Tgt Ion:128 Resp: 1078
Ion Ratio Lower Upper
128 100
127 5.3 10.6 16.0#
129 0.0 8.7 13.1#

