

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065652.D
 Acq On : 17 Apr 2020 18:50
 Operator : VA/SY
 Sample : L2327-20
 Misc : 6.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:02:22 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	212986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	350457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	331260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151611	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	116115	64.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.18%	
35) Dibromofluoromethane	7.92	113	117433	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
50) Toluene-d8	10.34	98	420002	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.64	95	124574	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.12%	

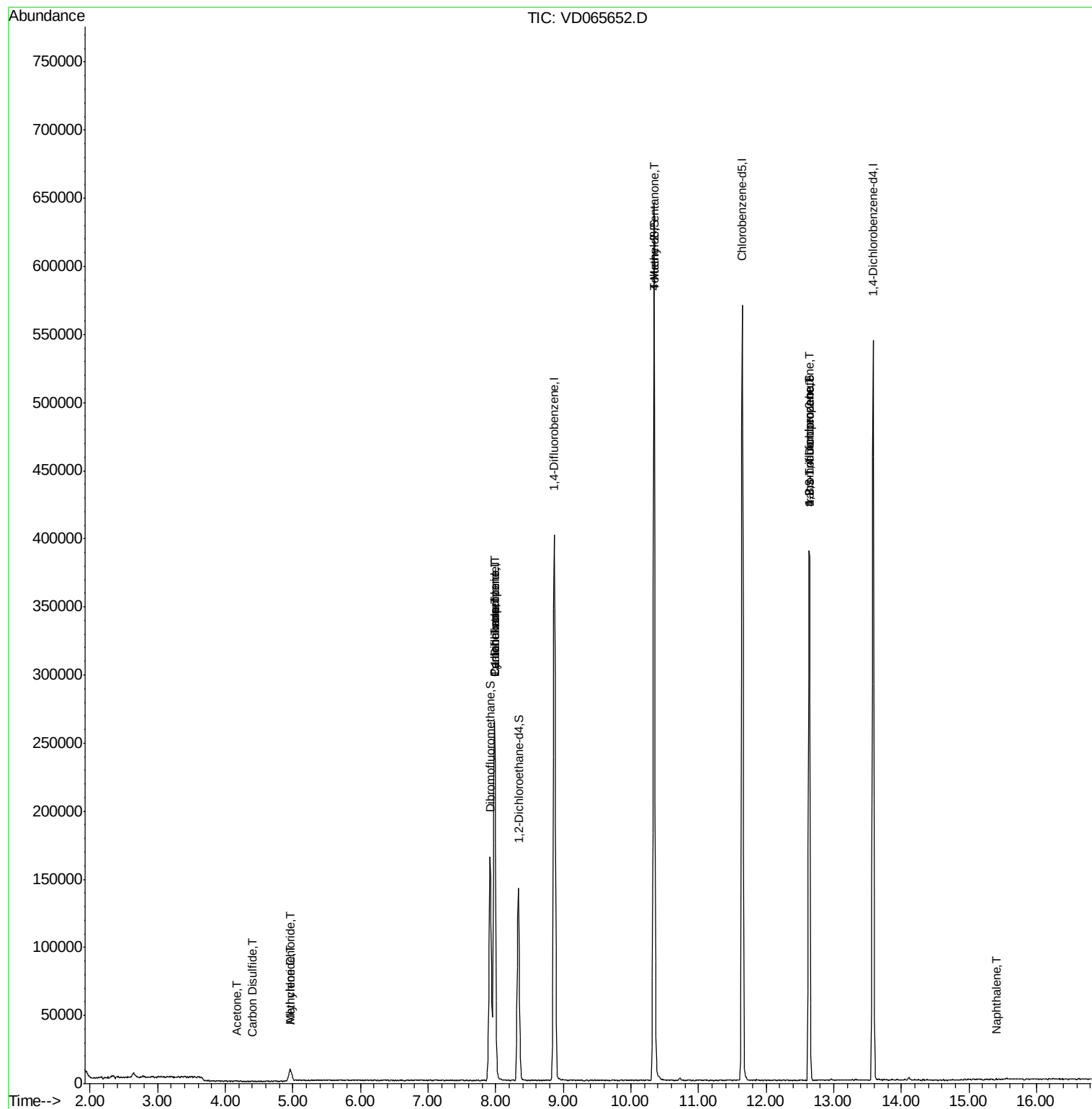
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.96	41	64	3.982	ug/l #	19
16) Acetone	4.17	43	937	3.616	ug/l #	46
17) Carbon Disulfide	4.40	76	140	6.036	ug/l #	75
20) Methylene Chloride	4.96	84	6449	2.200	ug/l	89
31) Cyclohexane	7.98	56	4313	1.264	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	14984	4.428	ug/l #	48
38) Carbon Tetrachloride	7.98	117	19141	5.281	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	1703	10.883	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	60927	49.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	60927	109.540	ug/l #	11
95) Naphthalene	15.41	128	219	4.147	ug/l #	69

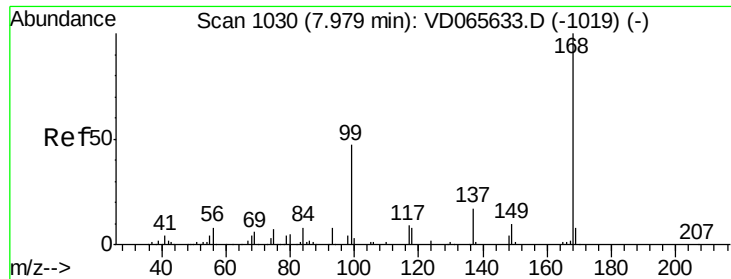
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

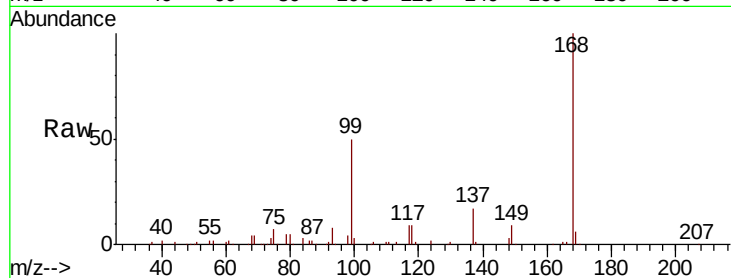
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 212986

Ion Ratio Lower Upper

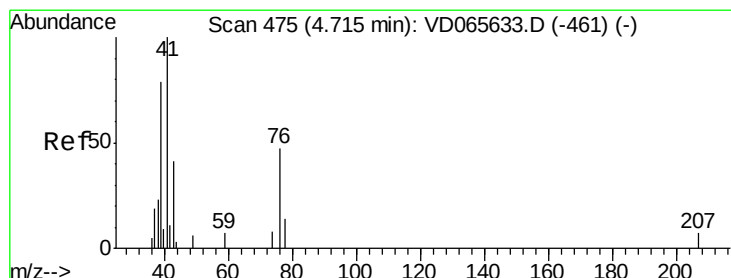
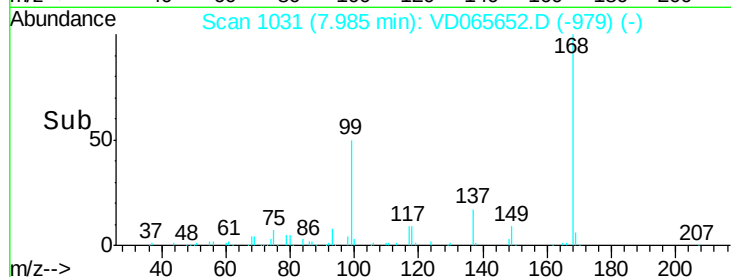
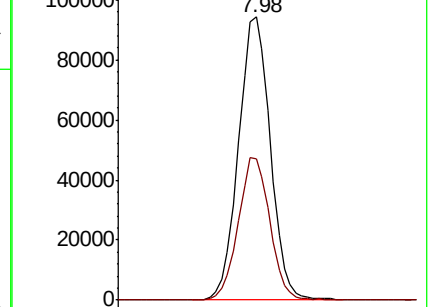
168 100

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



#14

Allyl chloride

Concen: 3.982 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.25 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

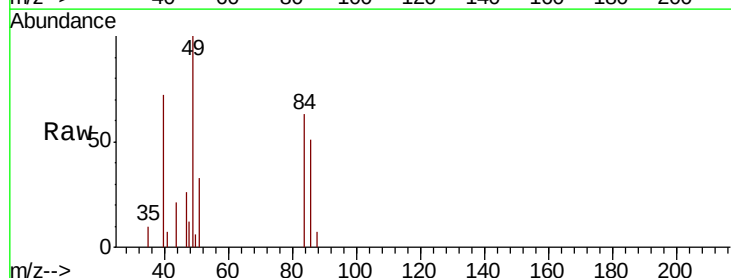
Tgt Ion: 41 Resp: 64

Ion Ratio Lower Upper

41 100

39 0.0 62.5 93.7#

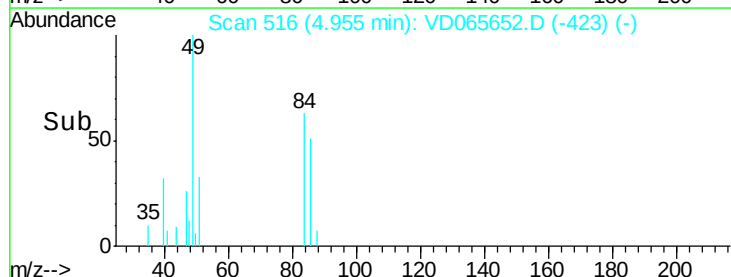
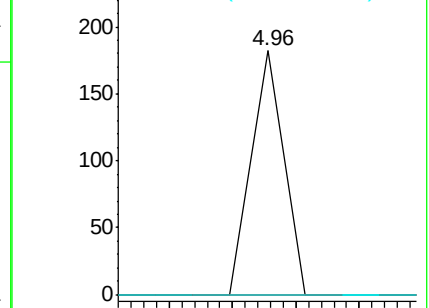
76 0.0 29.1 43.7#

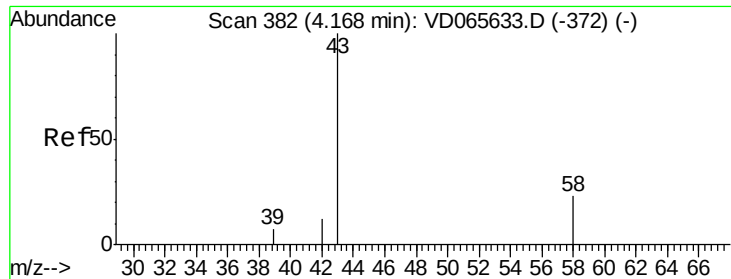


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 3.616 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

Instrument :

MSVOA_D

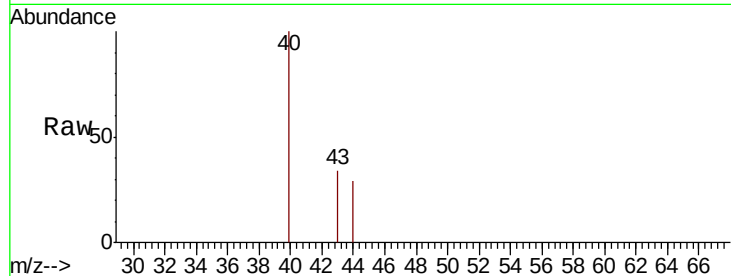
ClientSampleId :

Tot Ion: 43 Resp: 937

Ion Ratio Lower Upper

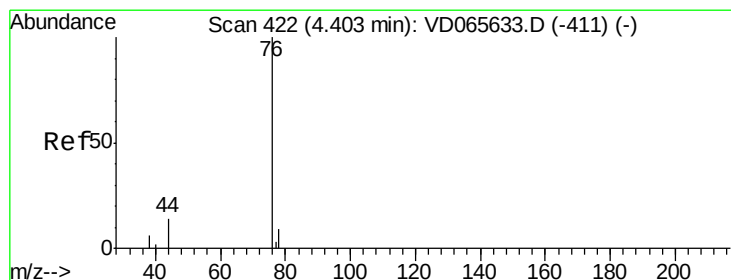
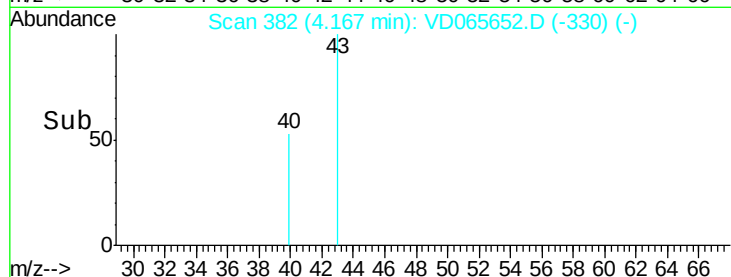
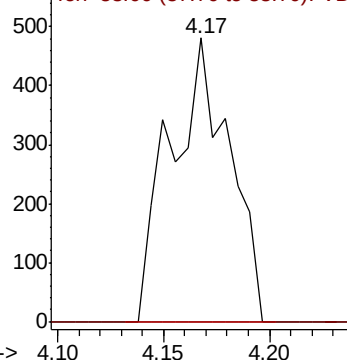
43 100

58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 6.036 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065652.D

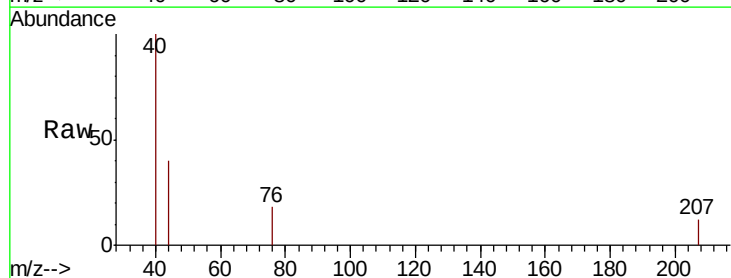
Acq: 17 Apr 2020 18:50

Tgt Ion: 76 Resp: 140

Ion Ratio Lower Upper

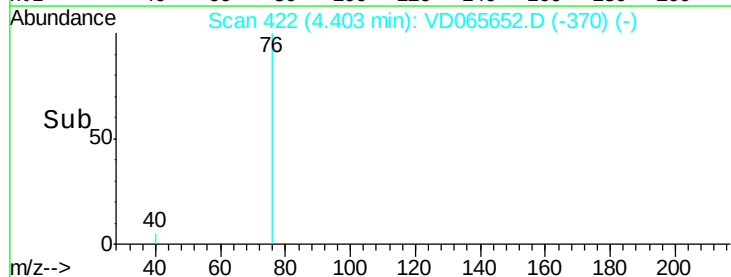
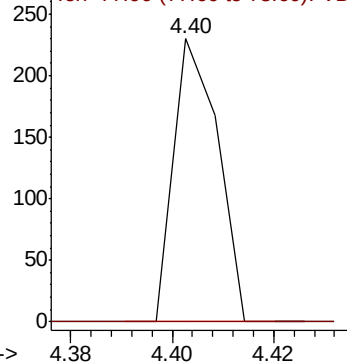
76 100

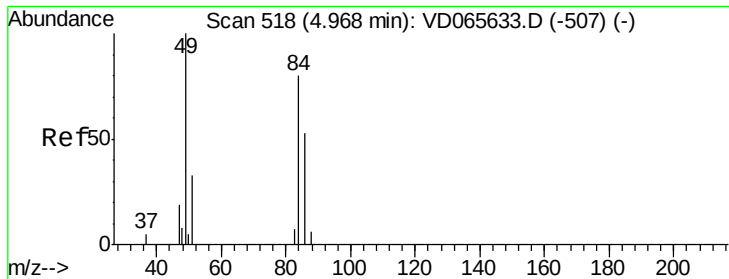
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

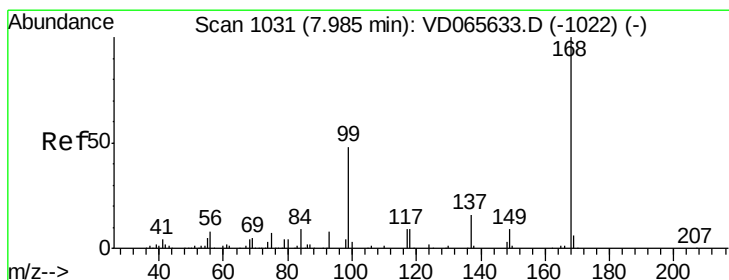
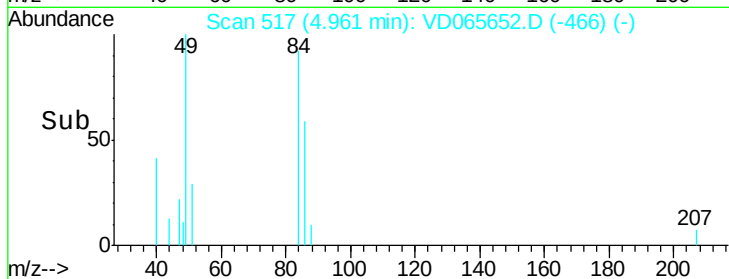
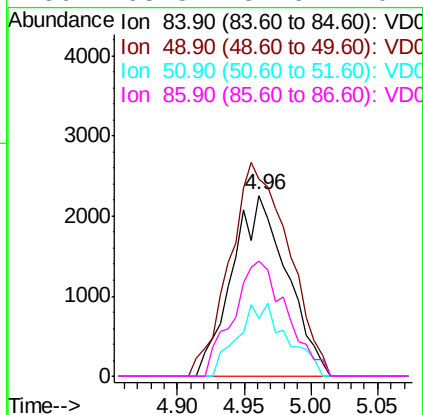
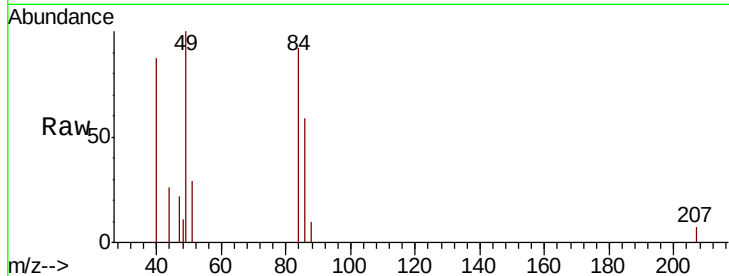




#20
Methylene Chloride
Concen: 2.200 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

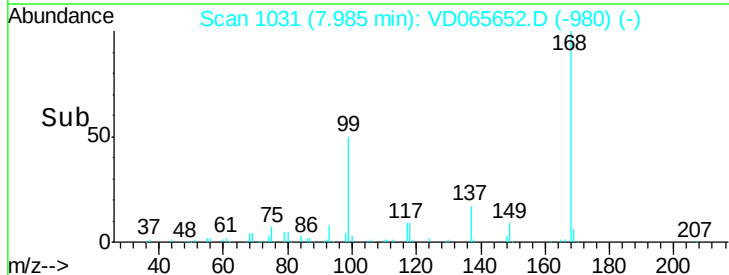
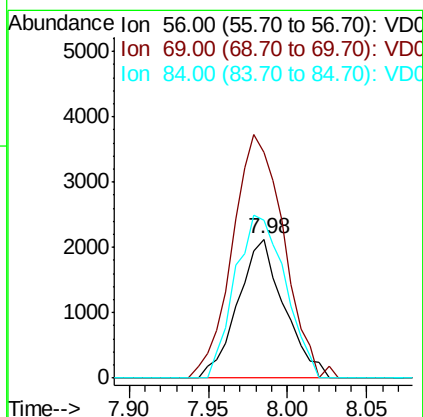
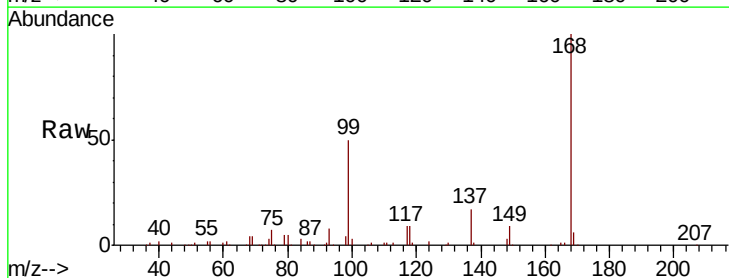
Instrument :
MSVOA_D
ClientSampleId :

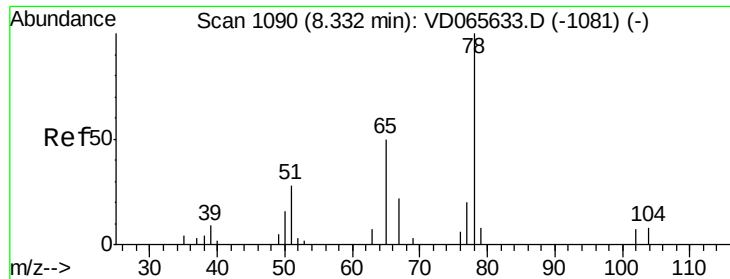
Tot Ion: 84	Resp: 6449
Ion Ratio	Lower Upper
84 100	
49 108.9	102.0 153.0
51 32.1	30.8 46.2
86 63.8	51.0 76.4



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

Tgt	Ion: 56	Resp:	4313
Ion	Ratio	Lower	Upper
56	100		
69	161.9	26.6	40.0#
84	113.9	75.3	112.9#

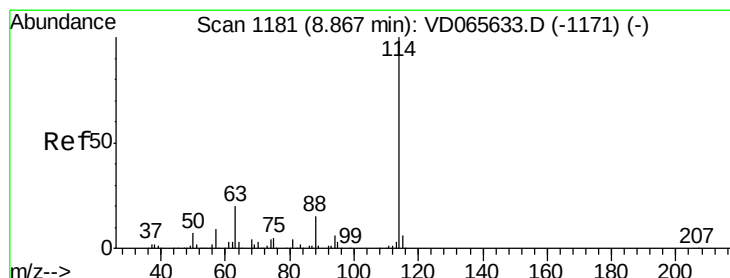
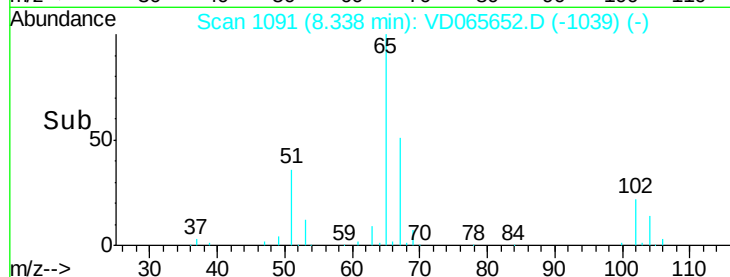
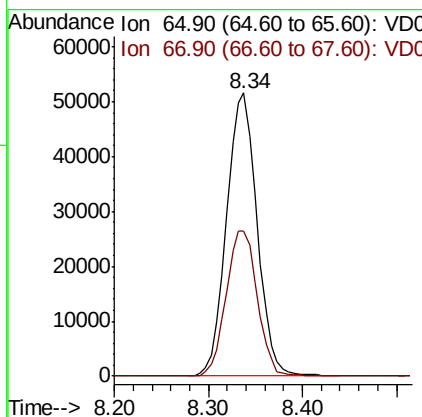
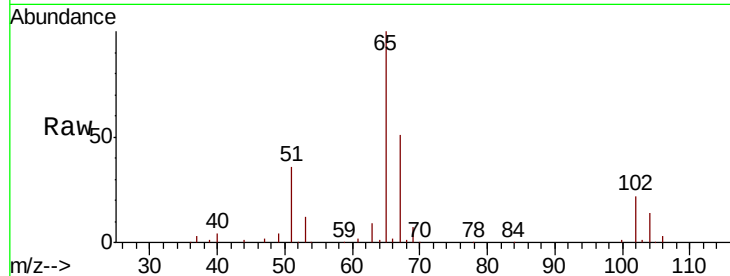




#33
 1,2-Dichloroethane-d4
 Concen: 64.087 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065652.D
 Acq: 17 Apr 2020 18:50

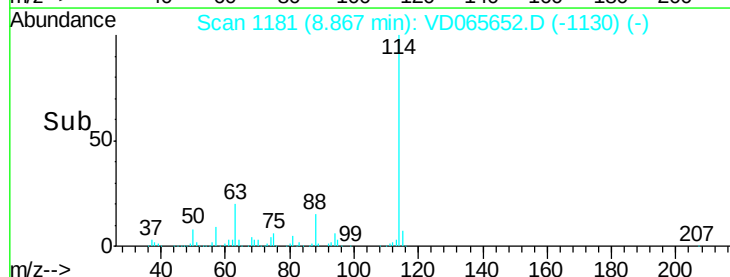
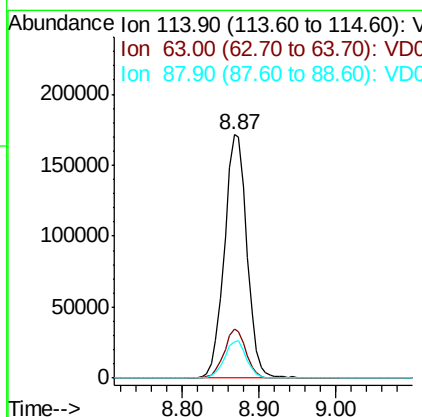
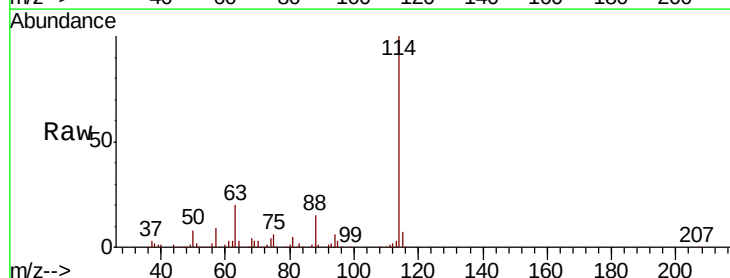
Instrument :
 MSVOA_D
 ClientSampled :

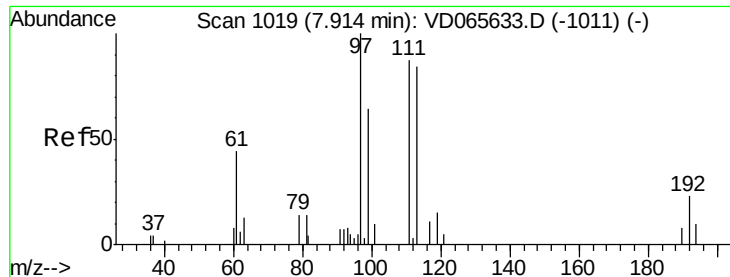
Tot Ion: 65 Resp: 116115
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065652.D
 Acq: 17 Apr 2020 18:50

Tgt Ion: 114 Resp: 350457
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.0 0.0 31.6

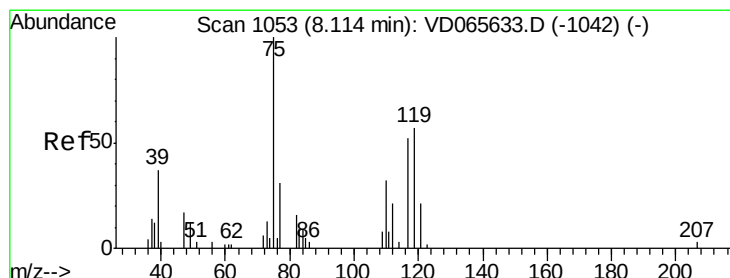
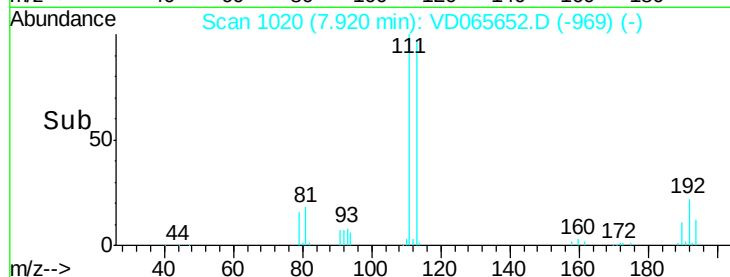
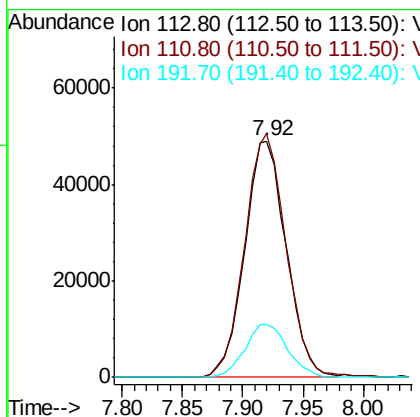
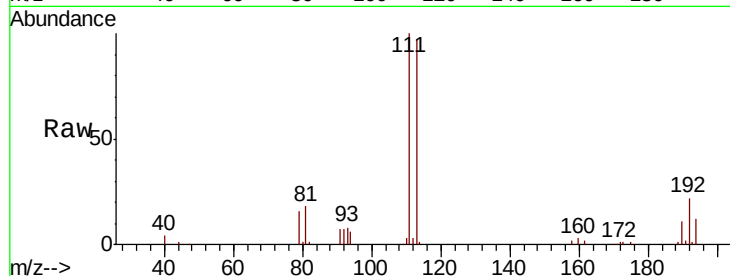




#35
 Dibromofluoromethane
 Concen: 53.840 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065652.D
 Acq: 17 Apr 2020 18:50

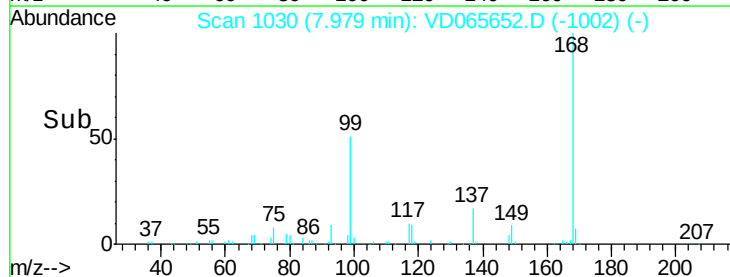
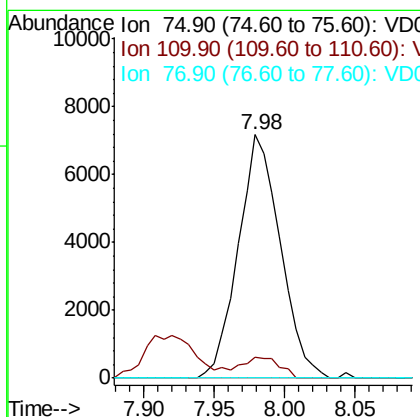
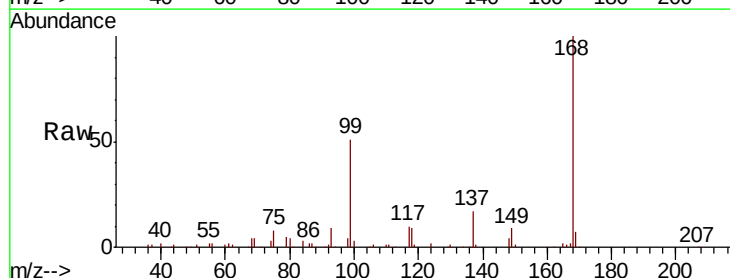
Instrument :
 MSVOA_D
 ClientSampleId :

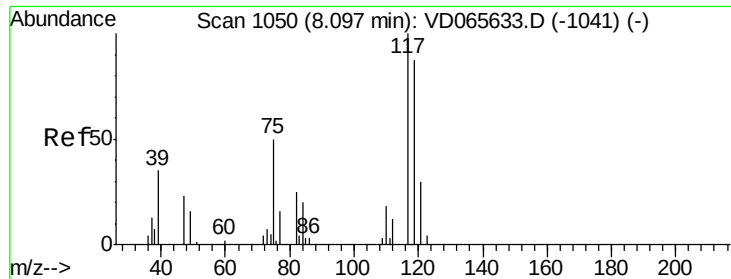
Tot Ion:113 Resp: 117433
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 23.1 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065652.D
 Acq: 17 Apr 2020 18:50

Tgt Ion: 75 Resp: 14984
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.3 54.8#
 77 0.0 24.6 37.0#

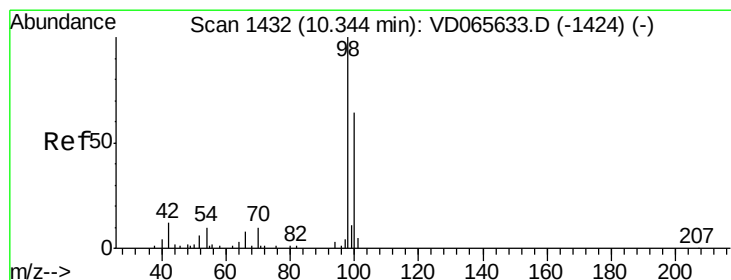
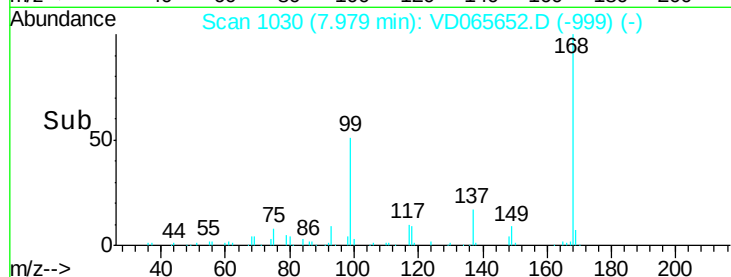
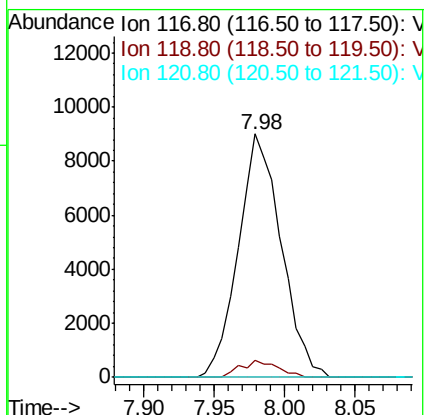
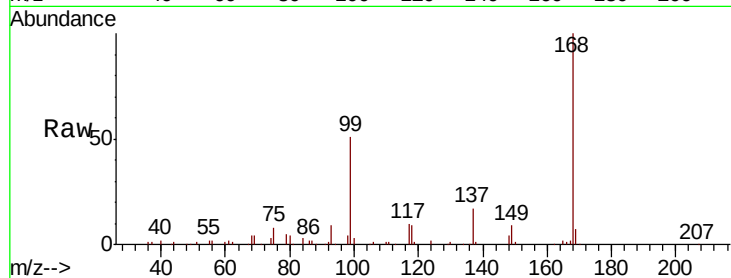




#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

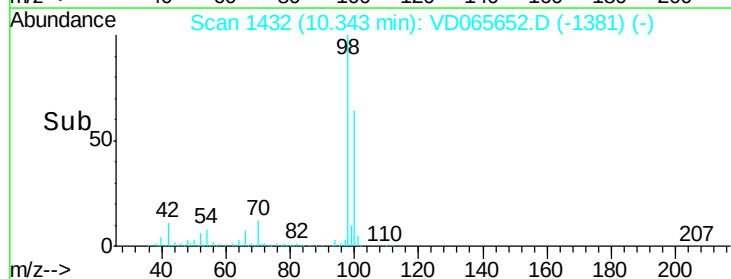
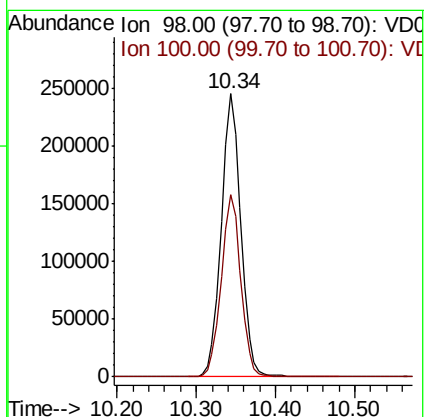
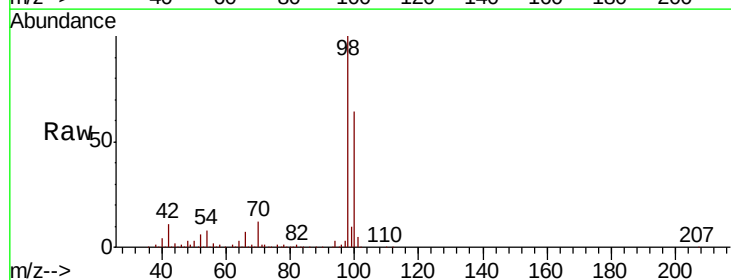
Instrument :
MSVOA_D
ClientSampleId :

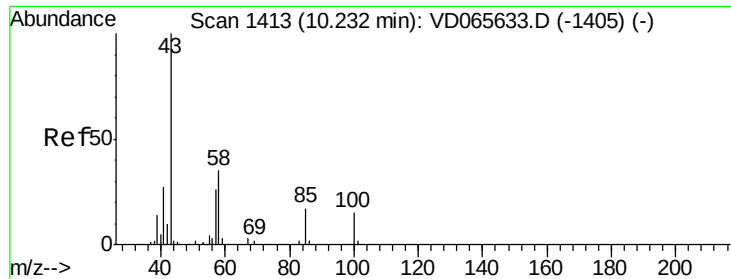
Tot Ion:117 Resp: 19141
Ion Ratio Lower Upper
117 100
119 6.8 75.3 112.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.236 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

Tgt Ion: 98 Resp: 420002
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 10.883 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

Instrument :

MSVOA_D

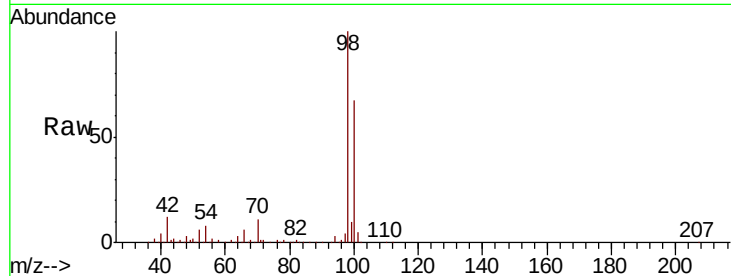
ClientSampled :

Tot Ion: 43 Resp: 1703

Ion Ratio Lower Upper

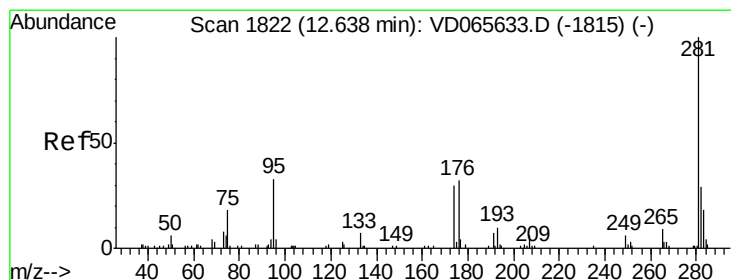
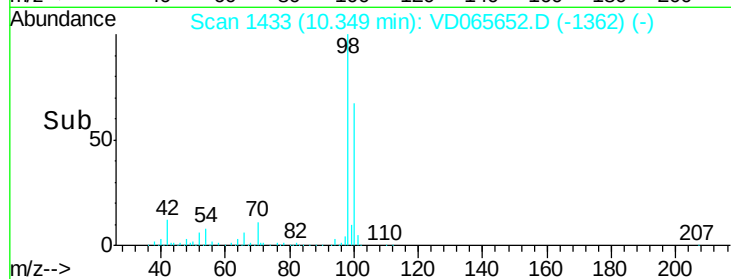
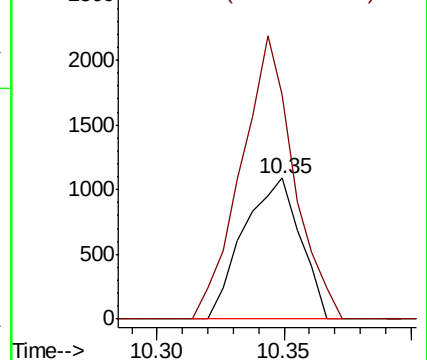
43 100

58 186.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.562 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

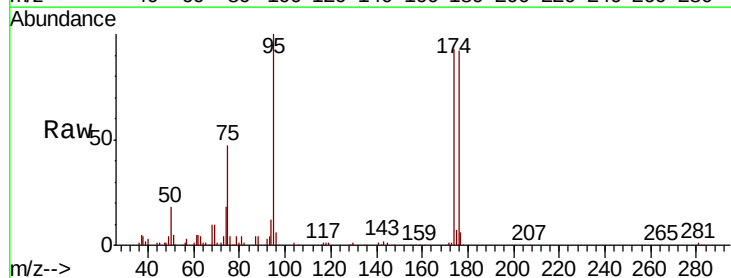
Tgt Ion: 95 Resp: 124574

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.8

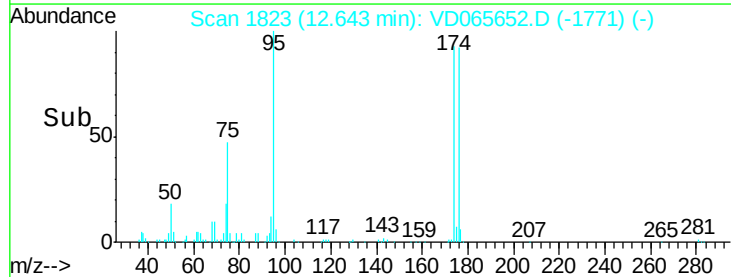
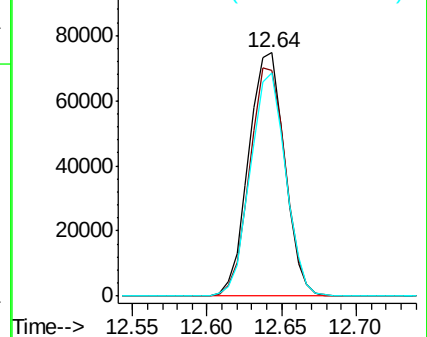
176 89.9 0.0 181.4

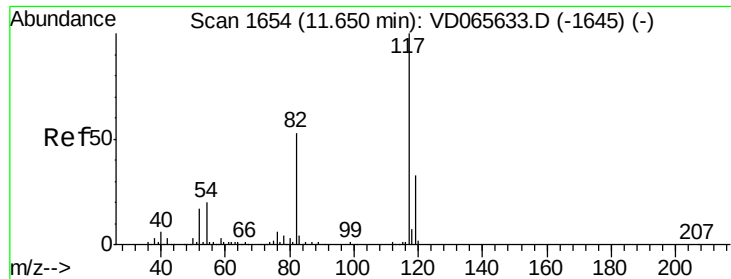


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

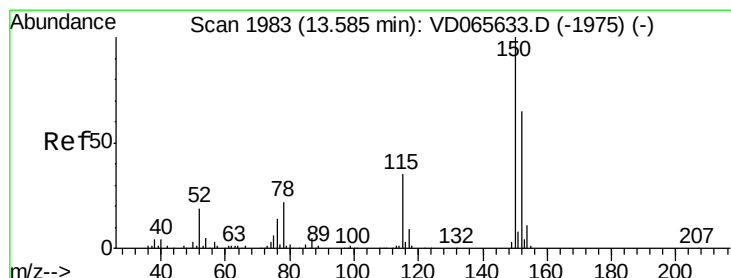
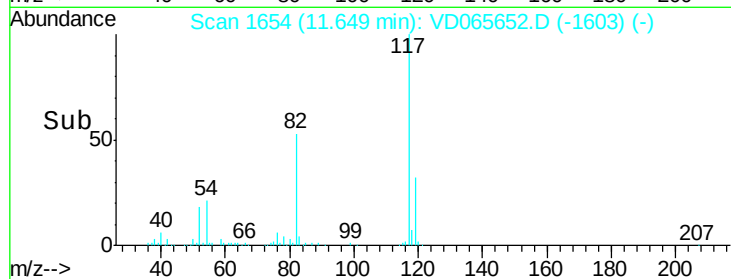
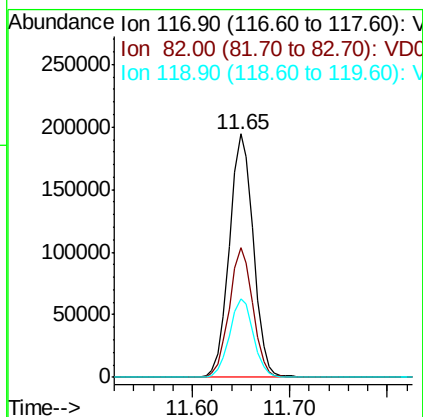
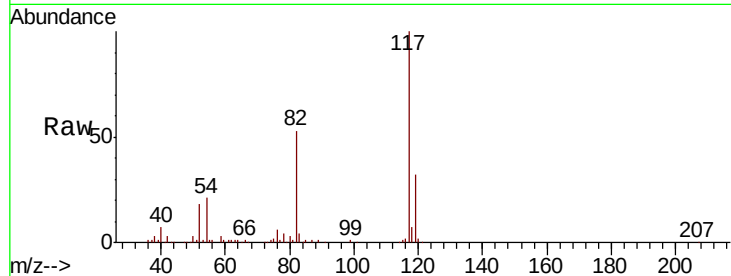




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

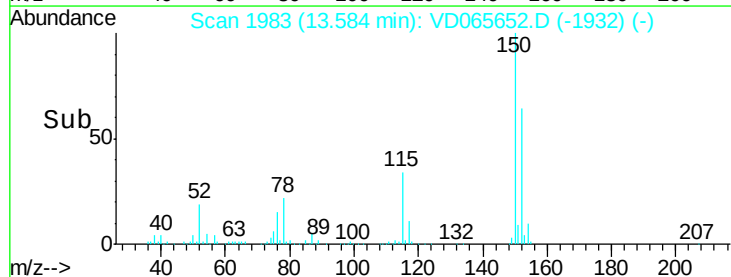
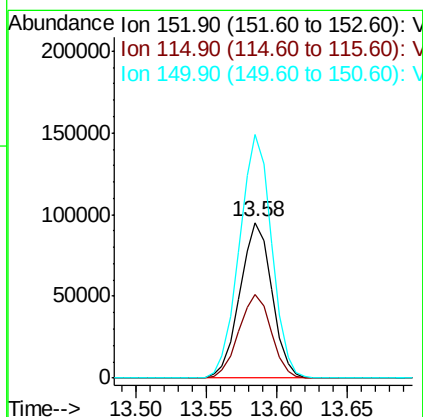
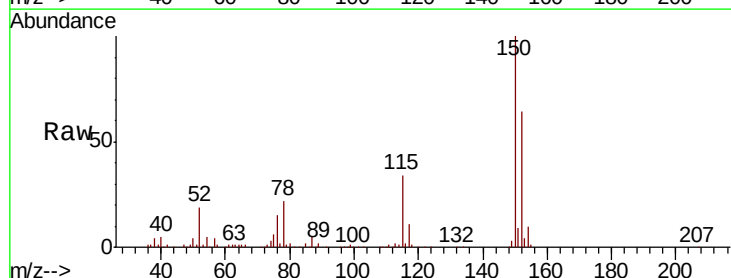
Instrument :
MSVOA_D
ClientSampled :

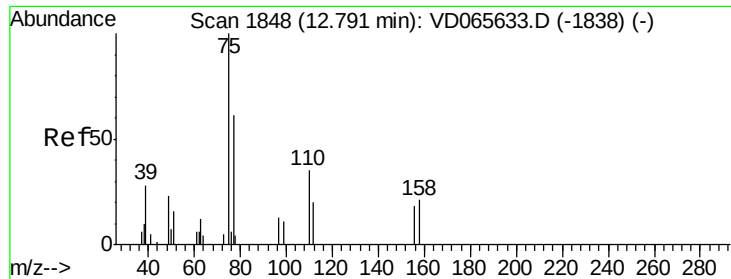
Tot Ion:117 Resp: 331260
Ion Ratio Lower Upper
117 100
82 53.4 43.2 64.8
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065652.D
Acq: 17 Apr 2020 18:50

Tgt Ion:152 Resp: 151611
Ion Ratio Lower Upper
152 100
115 54.3 27.6 82.7
150 157.1 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 49.981 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

Instrument :

MSVOA_D

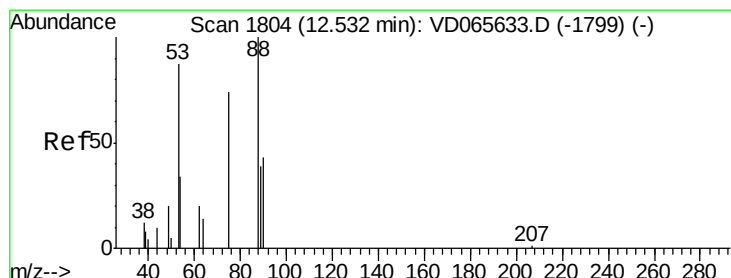
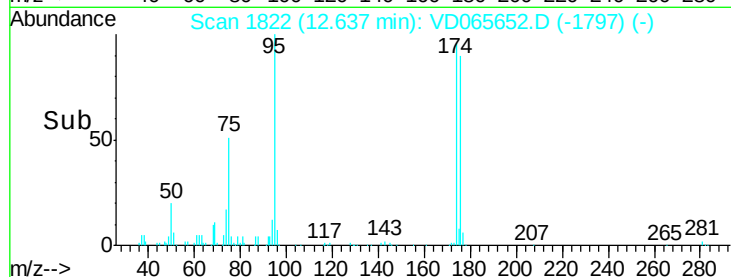
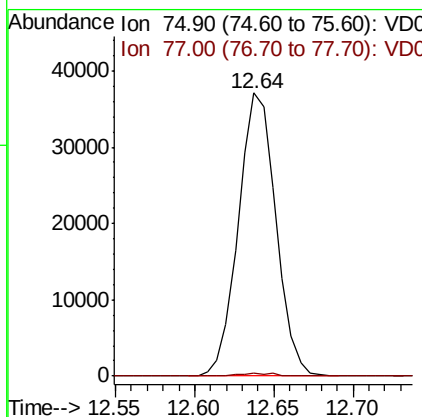
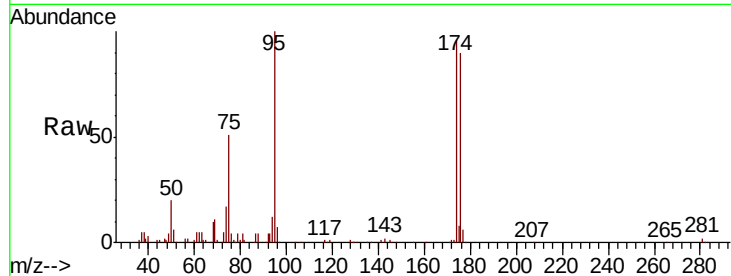
ClientSampleId :

Tot Ion: 75 Resp: 60927

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.540 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

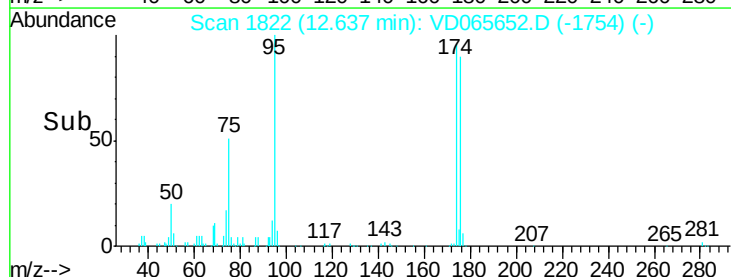
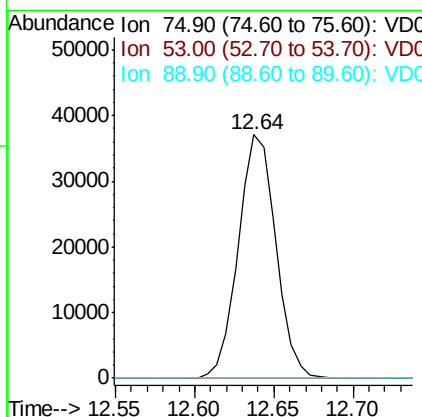
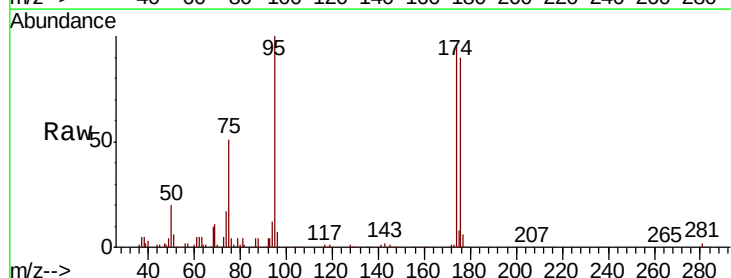
Tgt Ion: 75 Resp: 60927

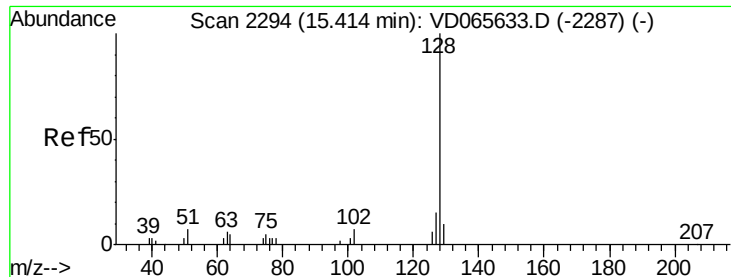
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 4.147 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

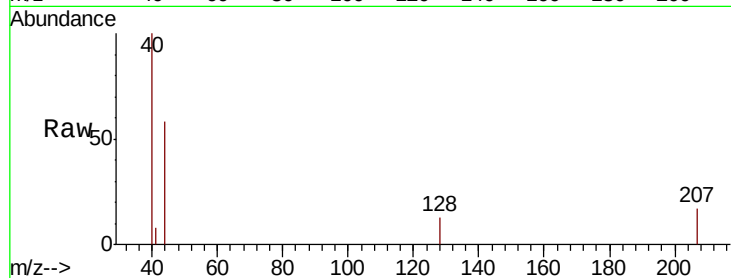
Lab File: VD065652.D

Acq: 17 Apr 2020 18:50

Instrument :

MSVOA_D

ClientSampleId :



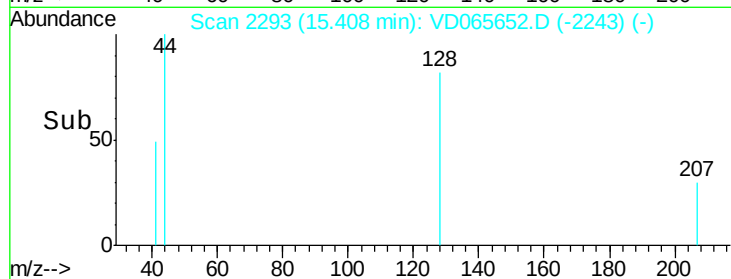
Tot Ion:128 Resp: 219

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

