

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065650.D
 Acq On : 17 Apr 2020 17:53
 Operator : VA/SY
 Sample : L2327-14
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:01:44 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	7.99	168	217362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	350946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	336856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	114630	61.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.98%	
35) Dibromofluoromethane	7.92	113	121099	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.34	98	432455	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.64	95	129765	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

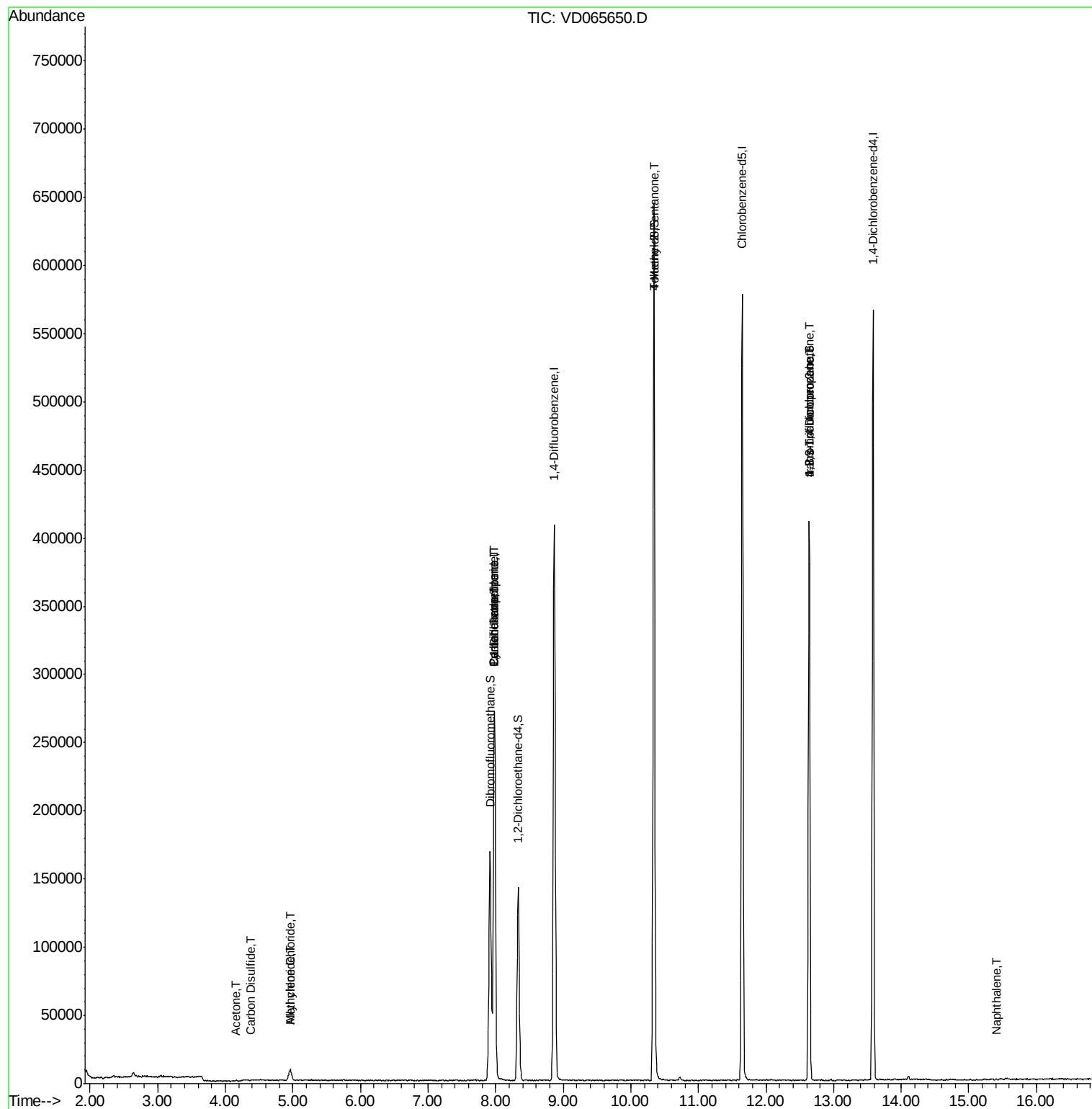
					Qvalue	
14) Allyl chloride	4.96	41	66	3.982	ug/l #	19
16) Acetone	4.16	43	883	3.339	ug/l #	46
17) Carbon Disulfide	4.39	76	231	6.050	ug/l #	75
20) Methylene Chloride	4.96	84	6767	2.327	ug/l	90
31) Cyclohexane	7.99	56	4217	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	16042	4.734	ug/l #	48
38) Carbon Tetrachloride	7.98	117	20428	5.628	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1837	10.977	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63624	50.946	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63624	111.654	ug/l #	11
95) Naphthalene	15.41	128	273	4.156	ug/l #	69

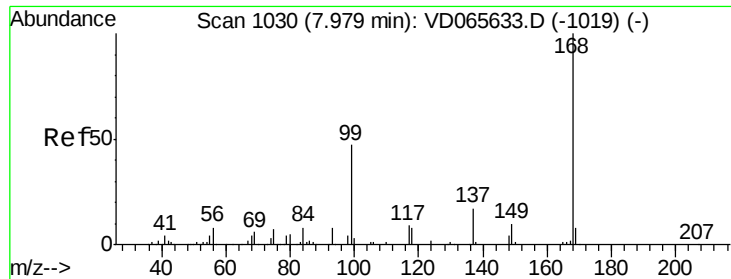
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 6.99G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 20 07:01:44 2020
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: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

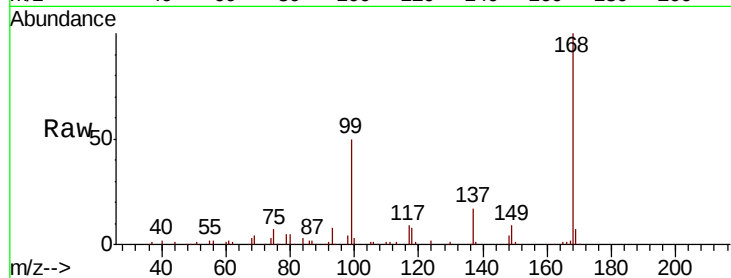
ClientSampleId :

Tot Ion:168 Resp: 217362

Ion Ratio Lower Upper

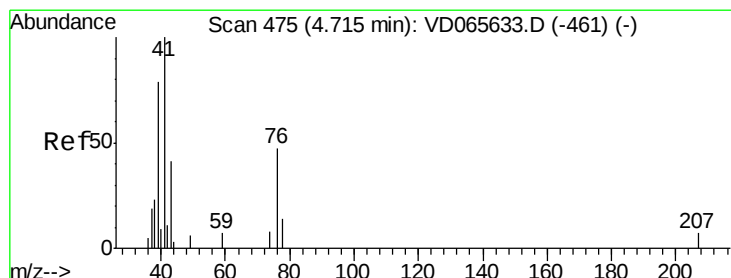
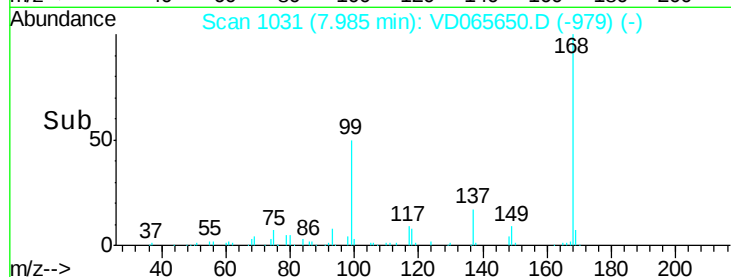
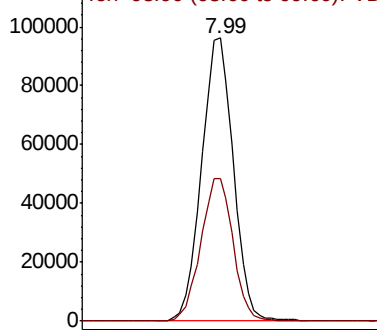
168 100

99 50.4 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# 517

Delta R.T. 0.25 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

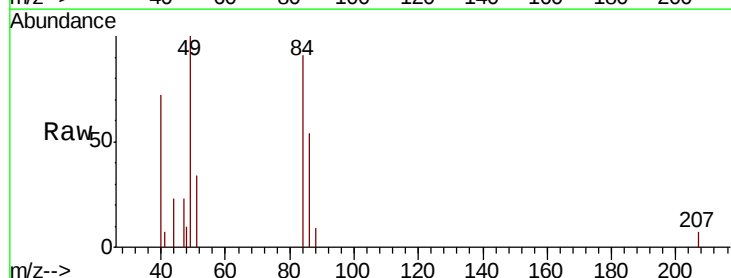
Tgt Ion: 41 Resp: 66

Ion Ratio Lower Upper

41 100

39 0.0 62.5 93.7#

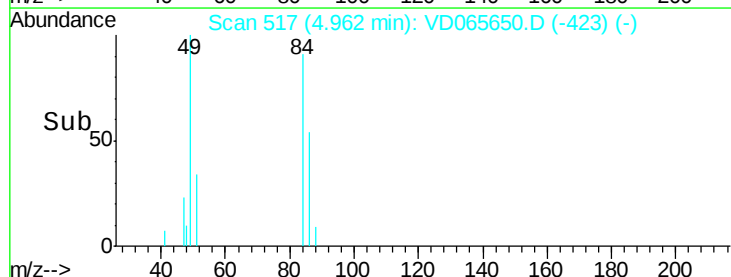
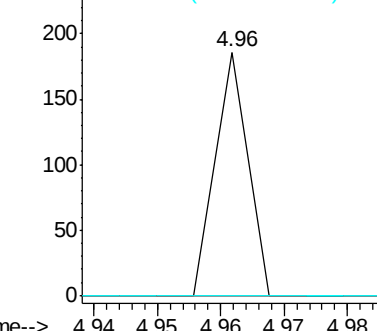
76 0.0 29.1 43.7#

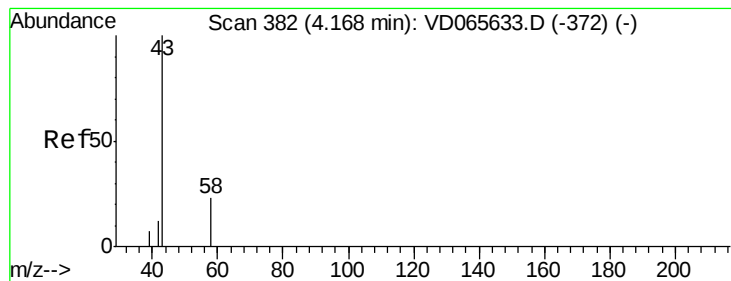


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 3.339 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

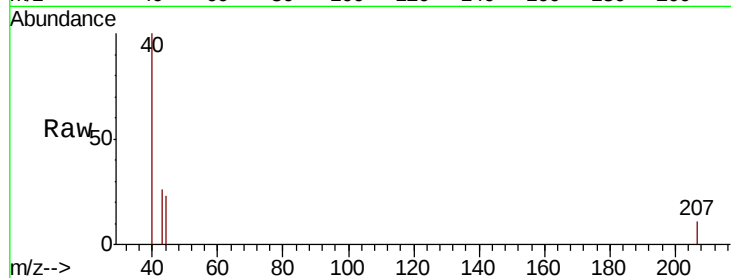
ClientSampleId :

Tot Ion: 43 Resp: 883

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

4.16

400

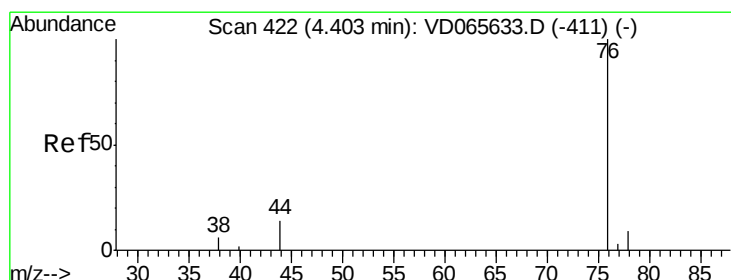
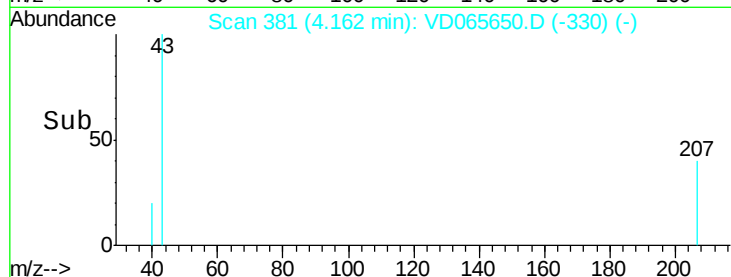
300

200

100

0

Time--> 4.10 4.15 4.20



#17

Carbon Disulfide

Concen: 6.050 ug/l

RT: 4.39 min Scan# 419

Delta R.T. -0.01 min

Lab File: VD065650.D

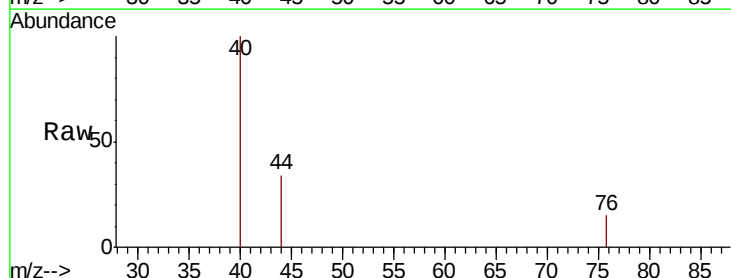
Acq: 17 Apr 2020 17:53

Tgt Ion: 76 Resp: 231

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

4.39

300

250

200

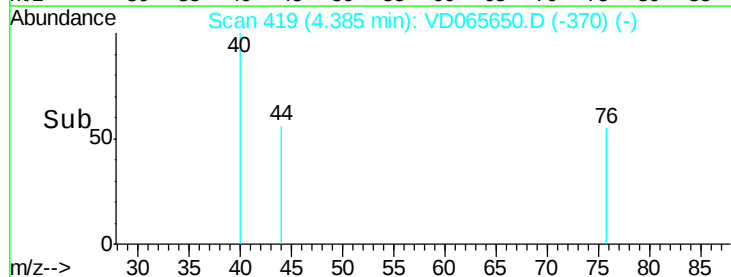
150

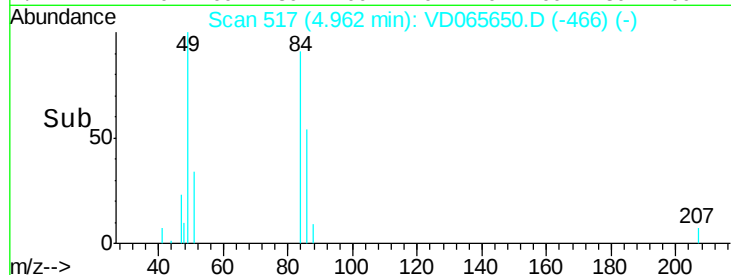
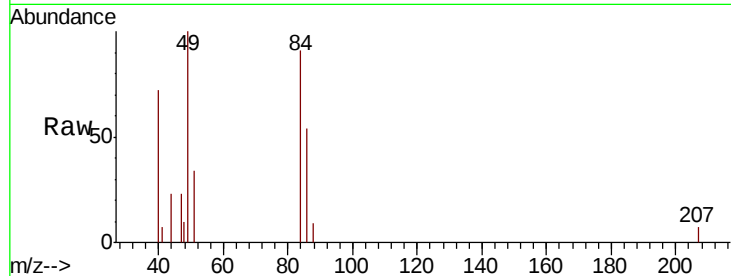
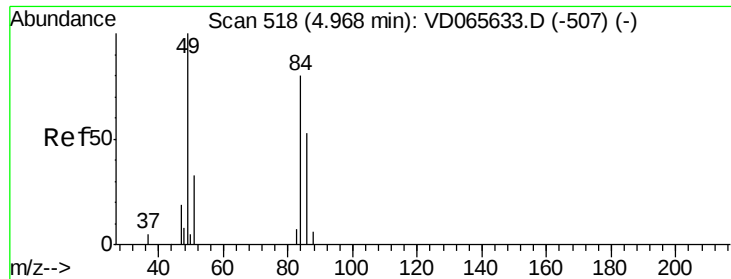
100

50

0

Time--> 4.36 4.37 4.38 4.39

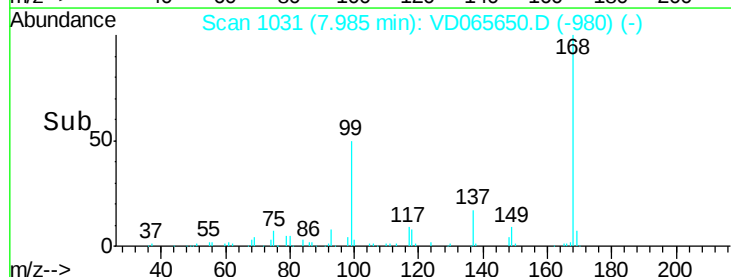
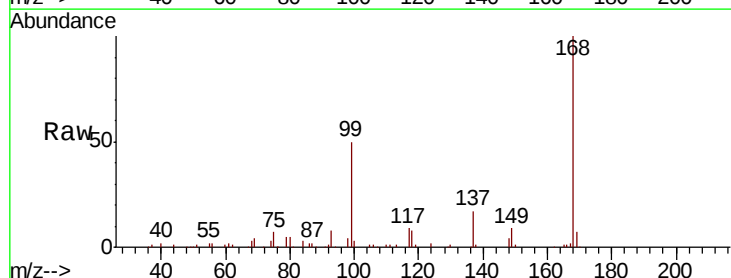
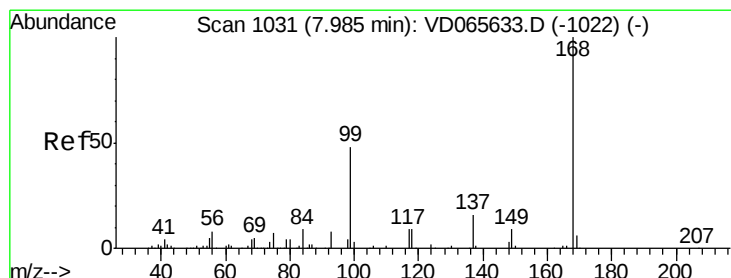
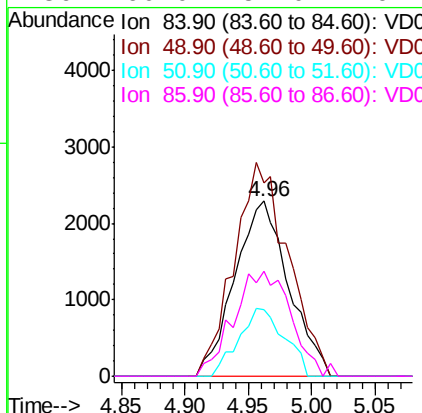




#20
Methvlene Chloride
Concen: 2.327 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065650.D
Acq: 17 Apr 2020 17:53

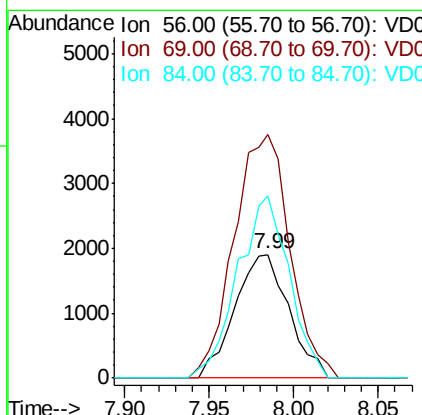
Instrument :
MSVOA_D
ClientSampleId :

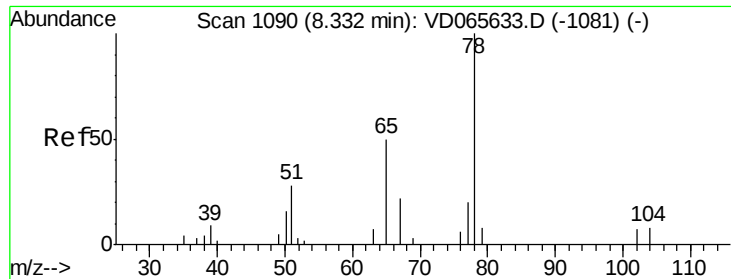
Tot Ion: 84 Resp: 6767
Ion Ratio Lower Upper
84 100
49 110.5 102.0 153.0
51 37.8 30.8 46.2
86 60.0 51.0 76.4



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065650.D
Acq: 17 Apr 2020 17:53

Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 197.3 26.6 40.0#
84 148.1 75.3 112.9#

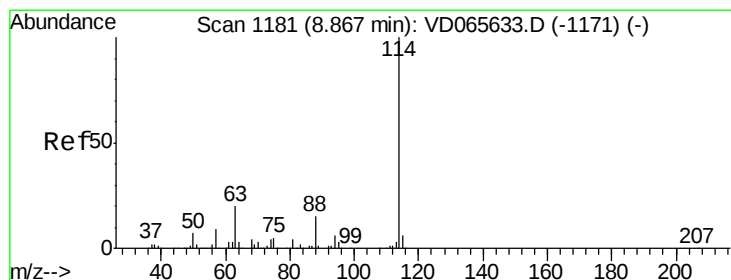
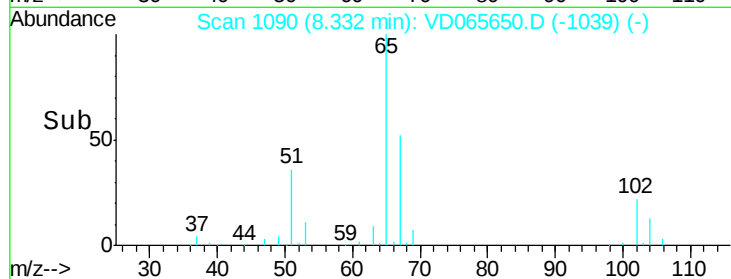
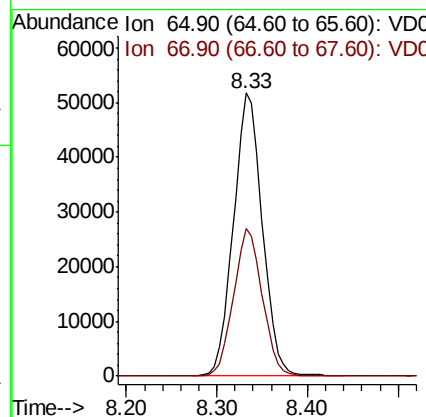
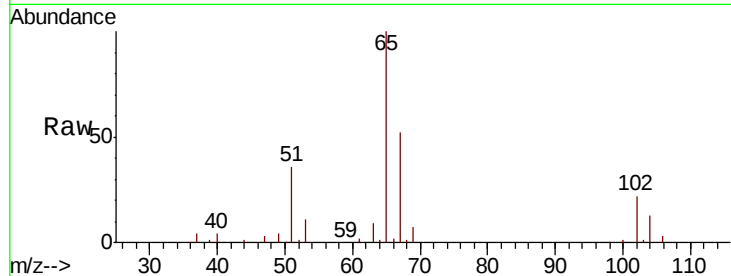




#33
 1,2-Dichloroethane-d4
 Concen: 61.994 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065650.D
 Acq: 17 Apr 2020 17:53

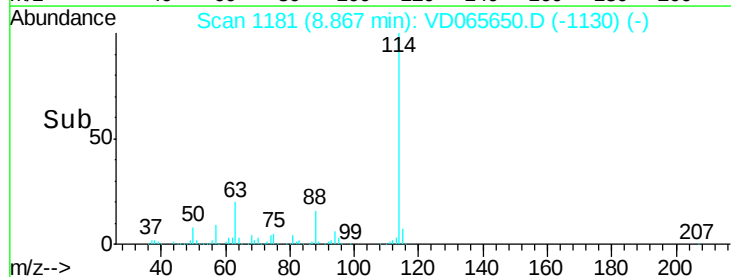
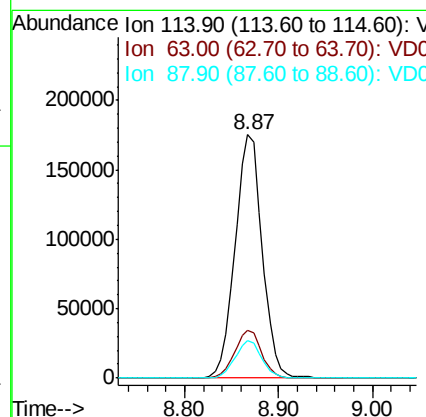
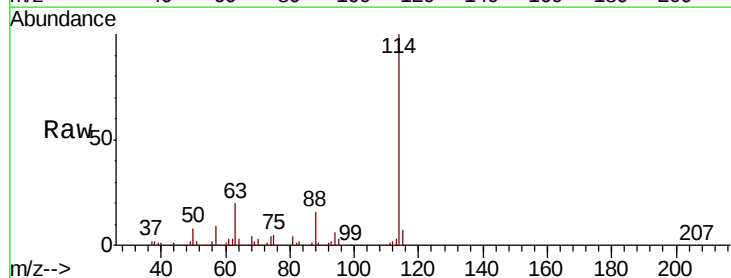
Instrument :
 MSVOA_D
 ClientSampled :

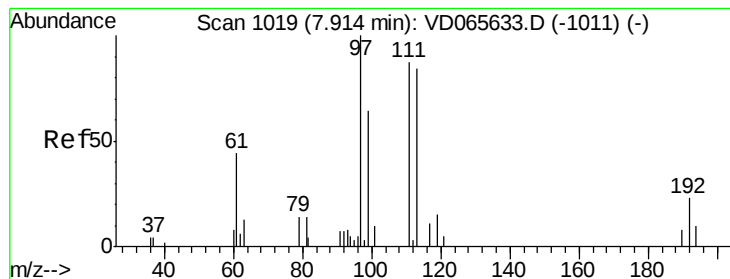
Tot Ion: 65 Resp: 114630
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065650.D
 Acq: 17 Apr 2020 17:53

Tgt Ion: 114 Resp: 350946
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.443 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

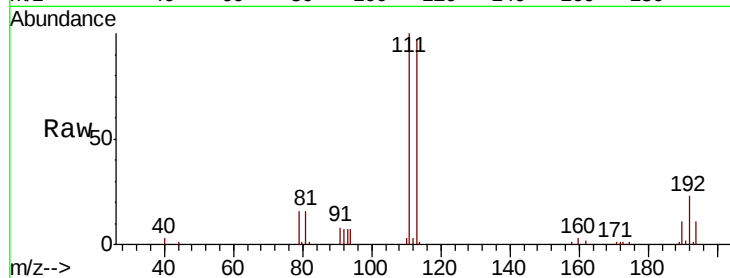
Tot Ion:113 Resp: 121099

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

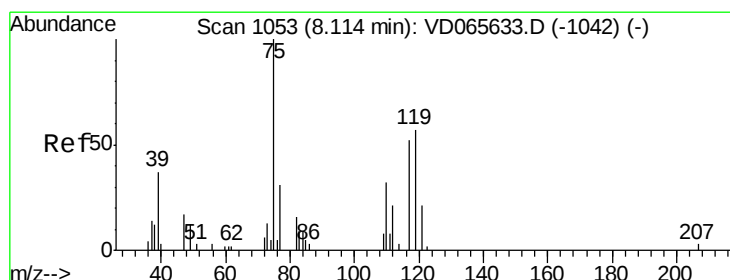
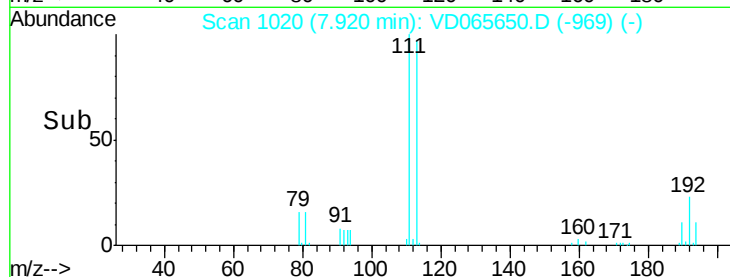
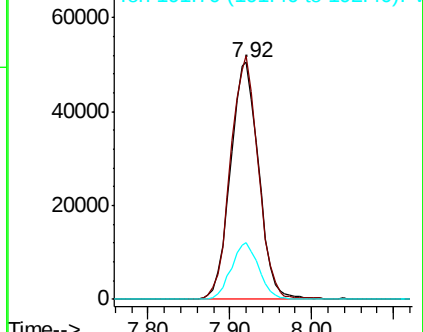
192 23.2 18.9 28.3



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: 4.734 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

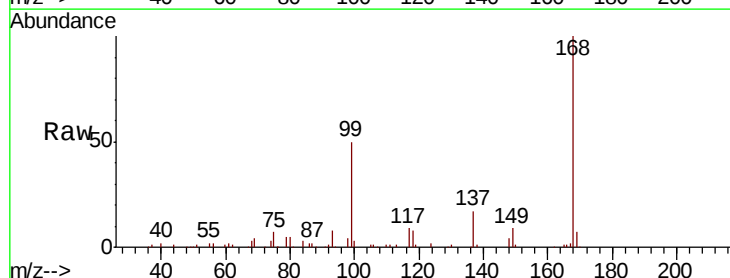
Tgt Ion: 75 Resp: 16042

Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.8#

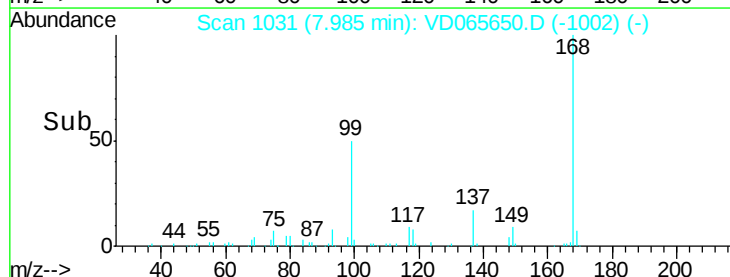
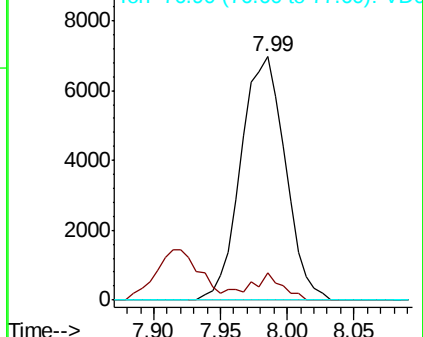
77 0.0 24.6 37.0#

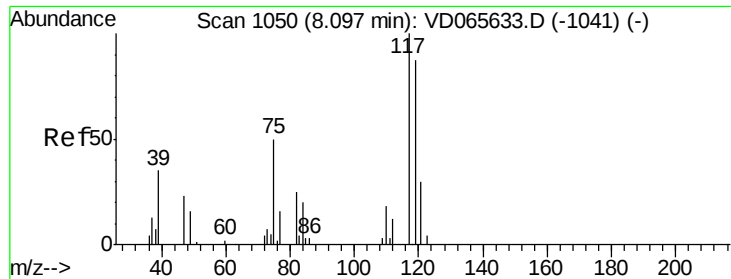


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

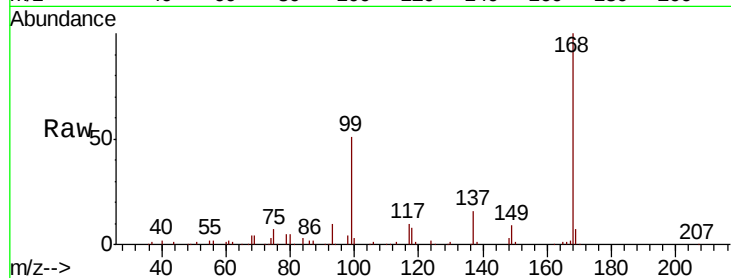
Tot Ion:117 Resp: 20428

Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

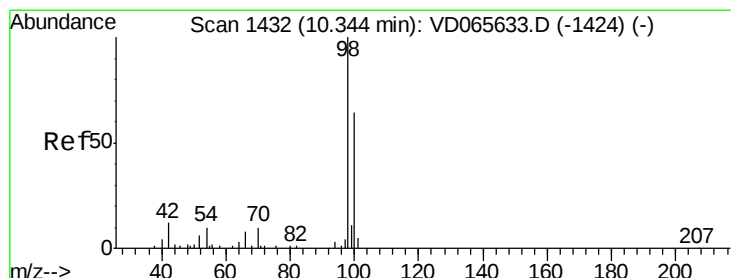
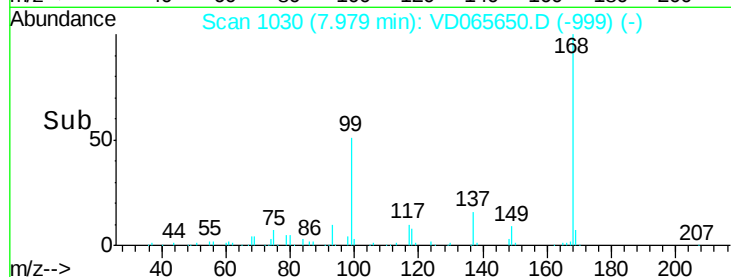
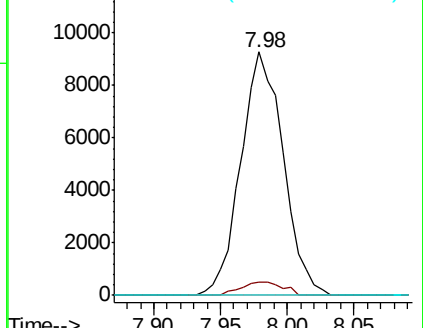
121 0.0 24.9 37.3#



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: 53.710 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065650.D

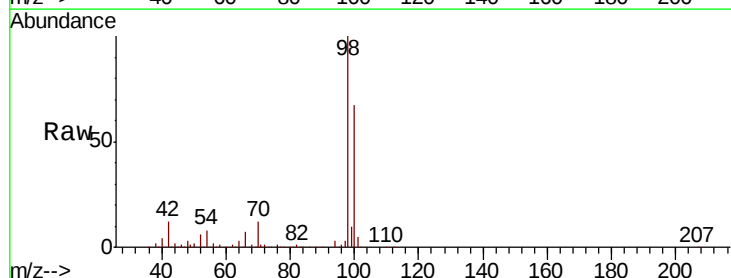
Acq: 17 Apr 2020 17:53

Tgt Ion: 98 Resp: 432455

Ion Ratio Lower Upper

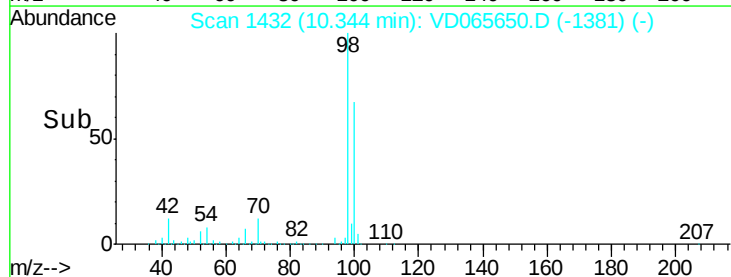
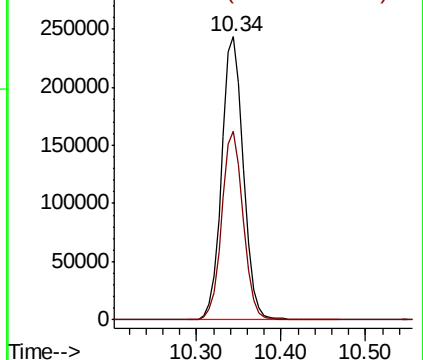
98 100

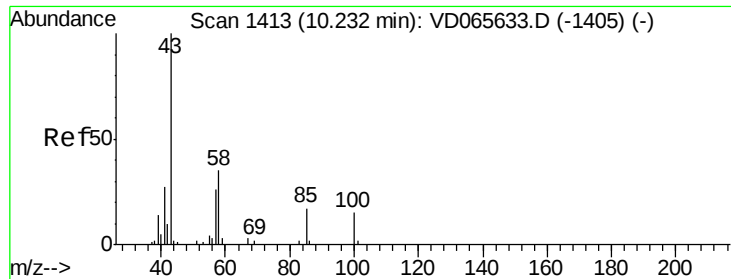
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 10.977 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

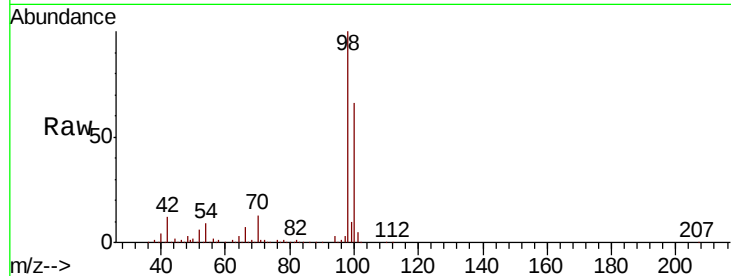
ClientSampleId :

Tot Ion: 43 Resp: 1837

Ion Ratio Lower Upper

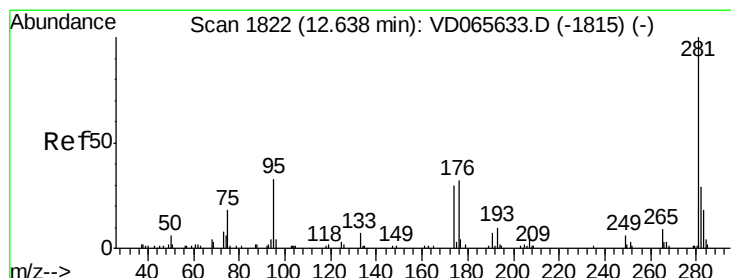
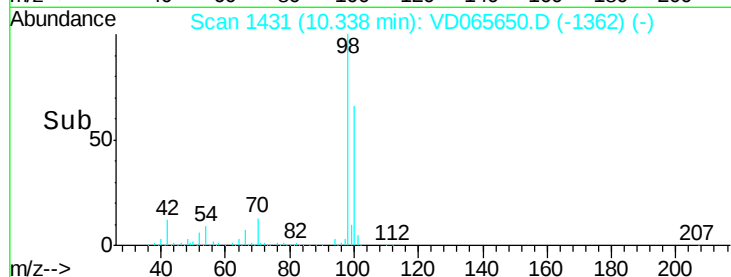
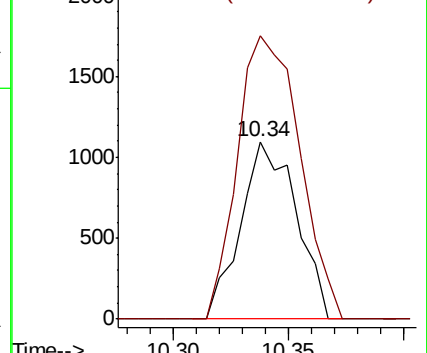
43 100

58 178.7 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: 48.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

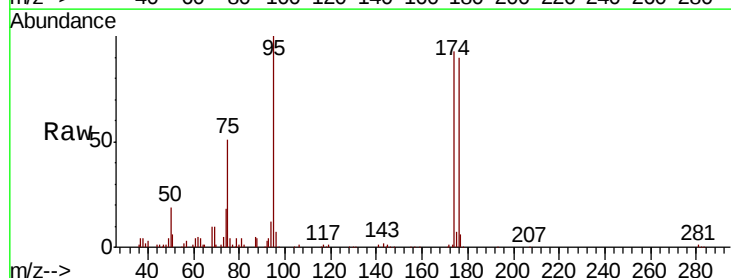
Tgt Ion: 95 Resp: 129765

Ion Ratio Lower Upper

95 100

174 94.7 0.0 183.8

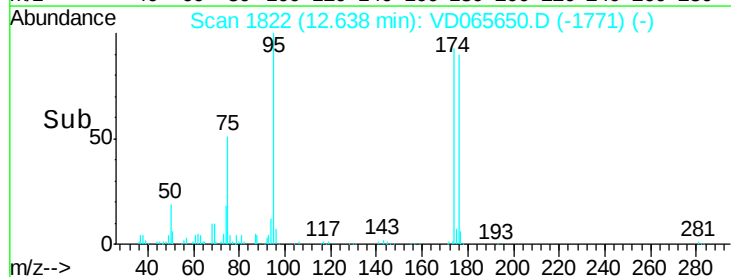
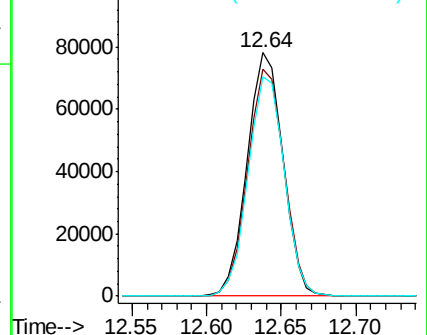
176 91.3 0.0 181.4

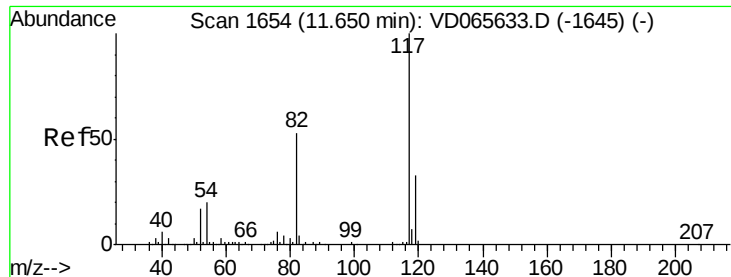


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

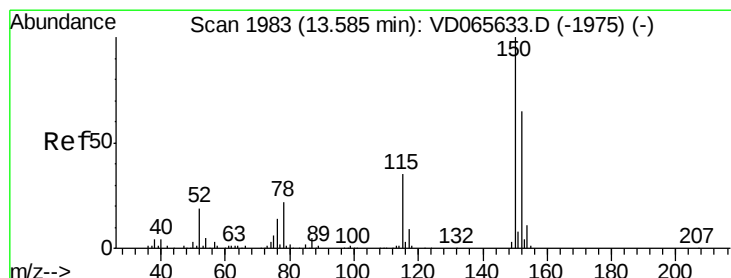
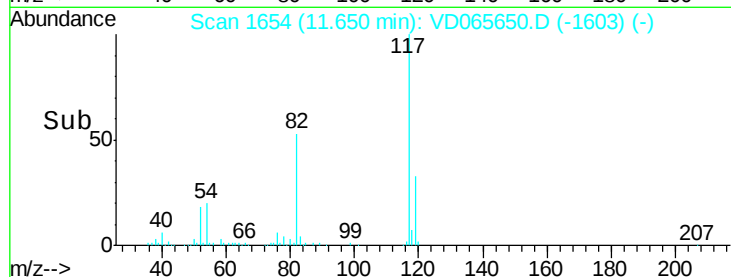
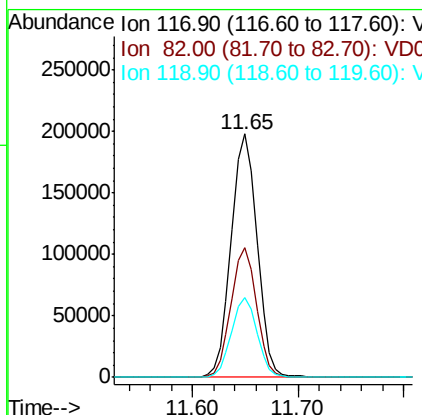
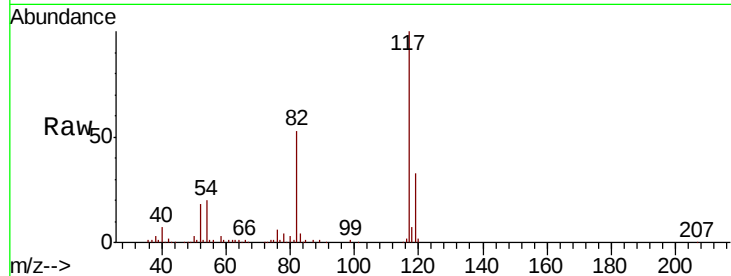




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065650.D
Acq: 17 Apr 2020 17:53

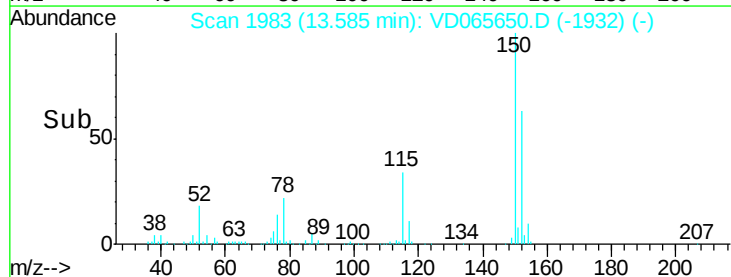
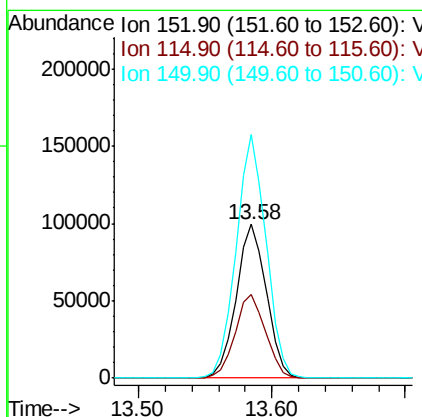
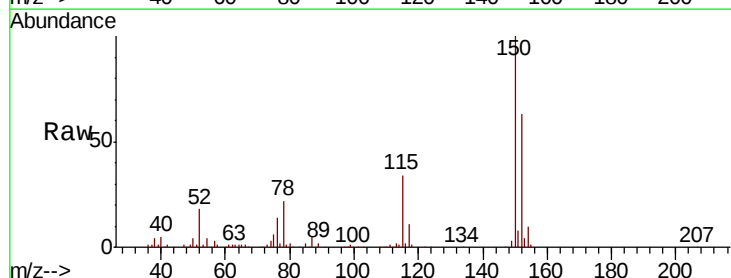
Instrument :
MSVOA_D
ClientSampled :

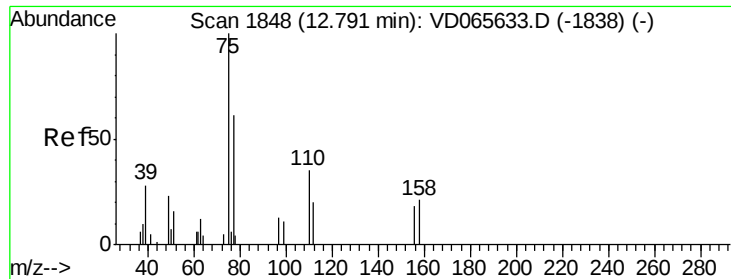
Tot Ion:117 Resp: 336856
Ion Ratio Lower Upper
117 100
82 53.0 43.2 64.8
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065650.D
Acq: 17 Apr 2020 17:53

Tgt Ion:152 Resp: 155325
Ion Ratio Lower Upper
152 100
115 55.0 27.6 82.7
150 157.3 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 50.946 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

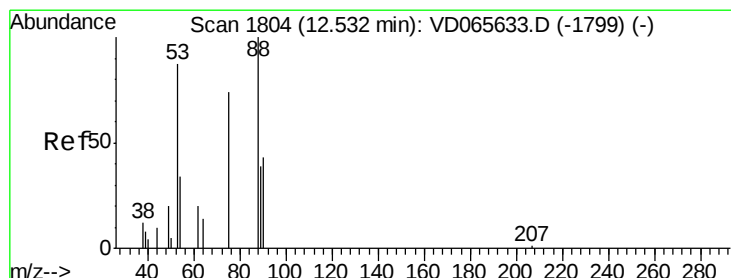
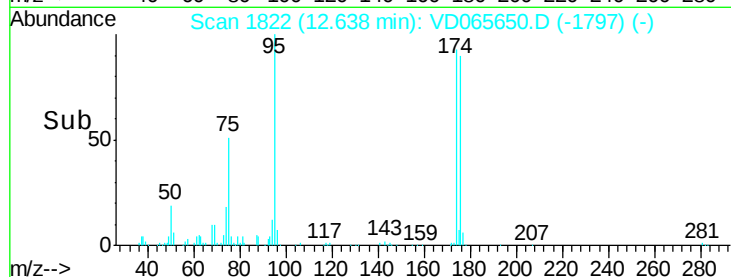
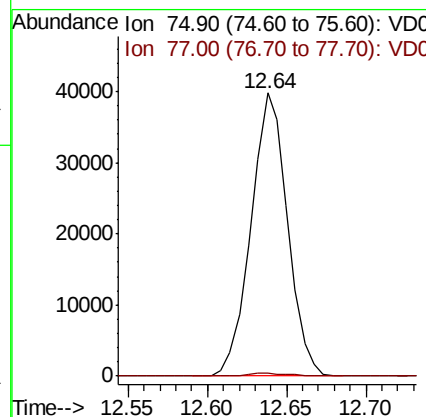
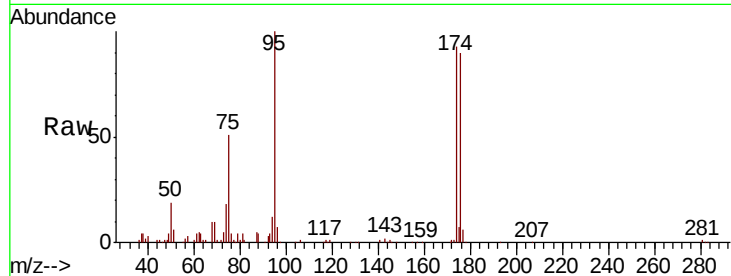
ClientSampleId :

Tot Ion: 75 Resp: 63624

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.654 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

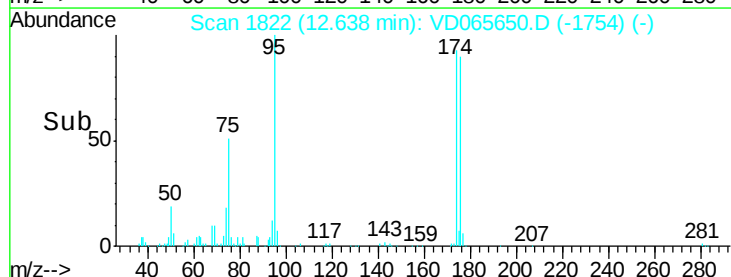
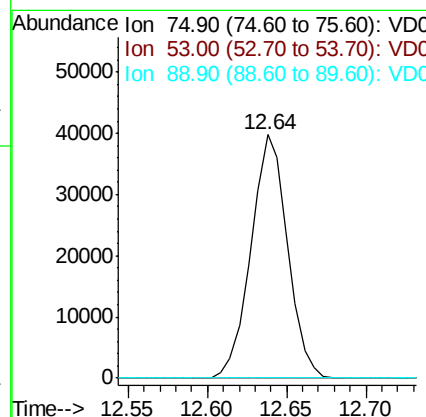
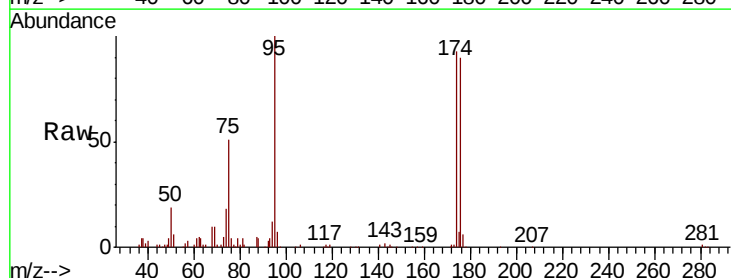
Tgt Ion: 75 Resp: 63624

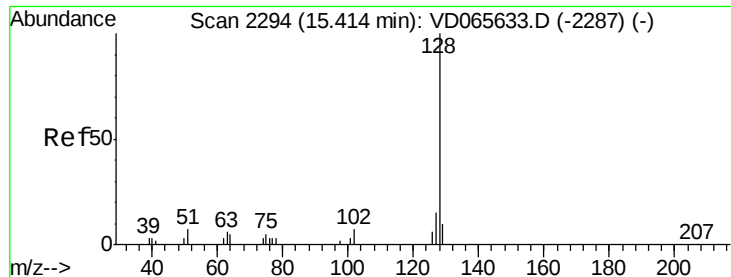
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 4.156 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

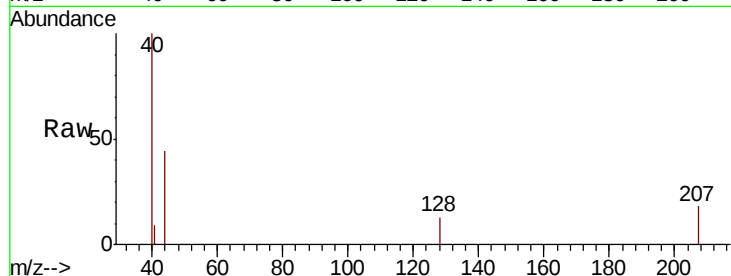
Lab File: VD065650.D

Acq: 17 Apr 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:	128	Resp:	273
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.8	13.2#

