

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065648.D
 Acq On : 17 Apr 2020 16:55
 Operator : VA/SY
 Sample : L2327-08
 Misc : 5.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:01:21 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	221475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	346054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164358	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	114530	60.79	ug/l	0.00
Spiked Amount			Recovery	=	121.58%	
35) Dibromofluoromethane	7.92	113	120417	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
50) Toluene-d8	10.34	98	431744	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	136260	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

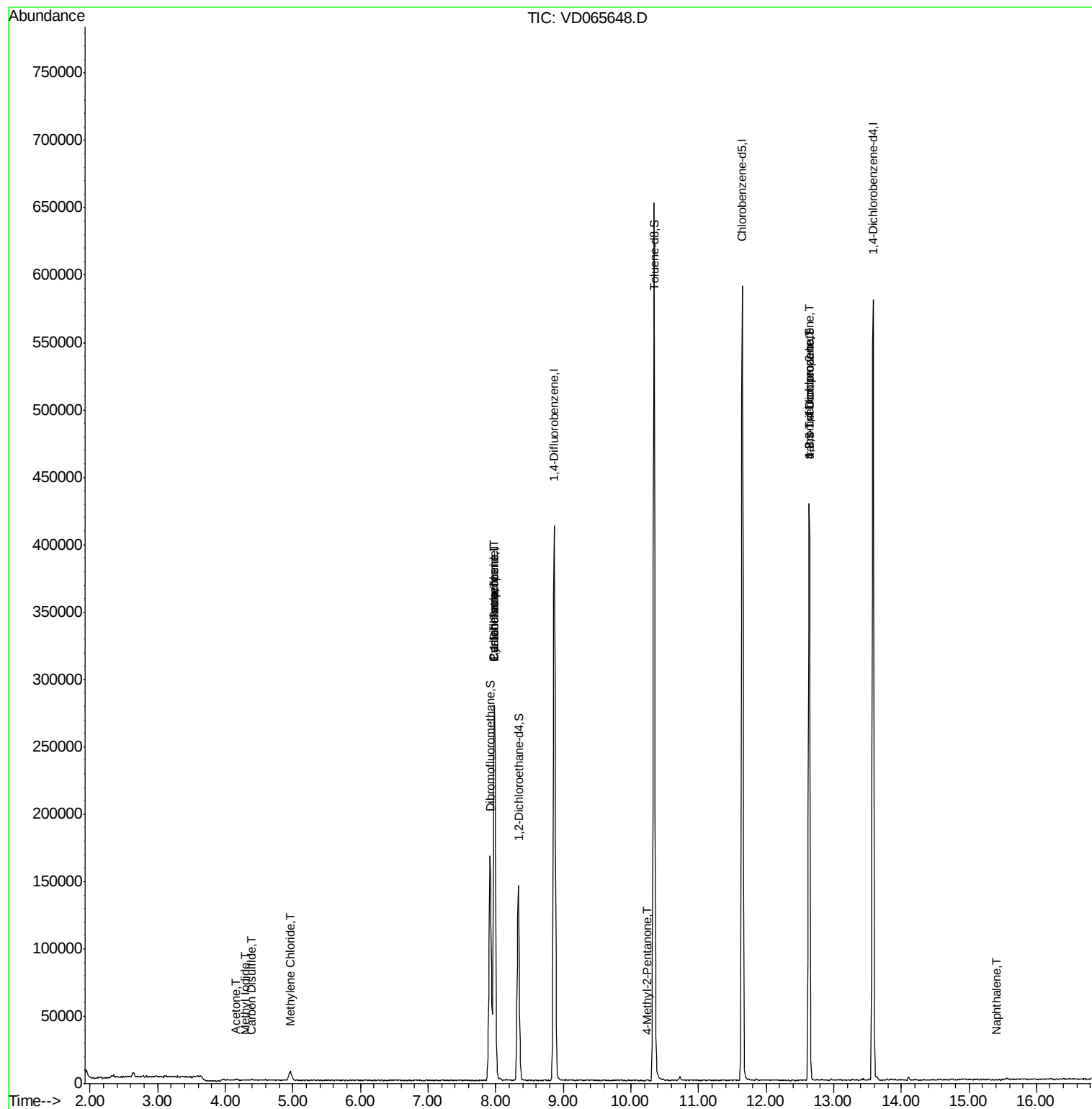
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	57	7.365	ug/l #	38
16) Acetone	4.16	43	726	2.694	ug/l #	46
17) Carbon Disulfide	4.39	76	898	6.154	ug/l #	75
20) Methylene Chloride	4.96	84	5119	1.131	ug/l	88
31) Cyclohexane	7.98	56	4294	1.210	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	16169	4.739	ug/l #	48
38) Carbon Tetrachloride	7.98	117	20027	5.480	ug/l #	17
51) 4-Methyl-2-Pentanone	10.24	43	61	9.720	ug/l #	36
76) 1,2,3-Trichloropropane	12.64	75	66218	50.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	66218	109.820	ug/l #	11
95) Naphthalene	15.41	128	340	4.165	ug/l #	69

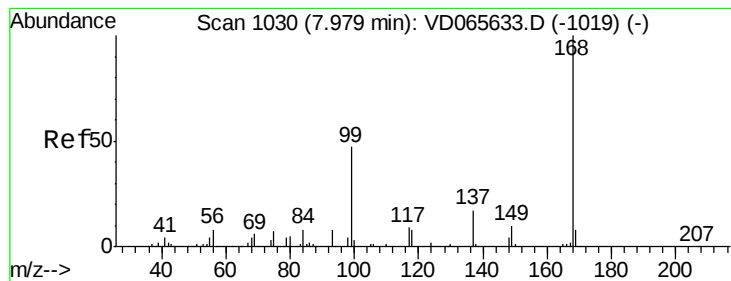
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065648.D

Acq: 17 Apr 2020 16:55

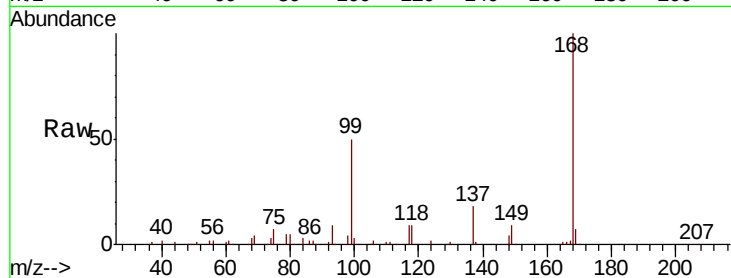
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 221475

Ion Ratio Lower Upper

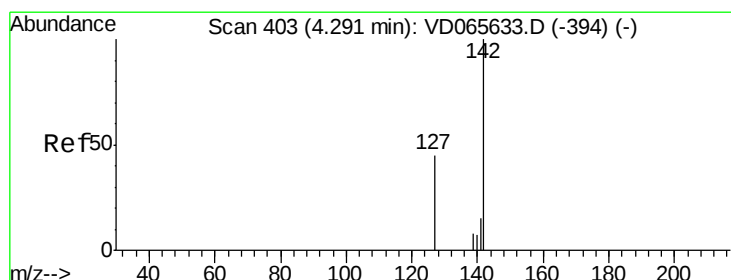
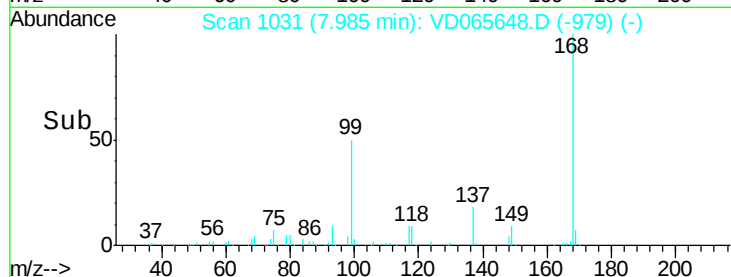
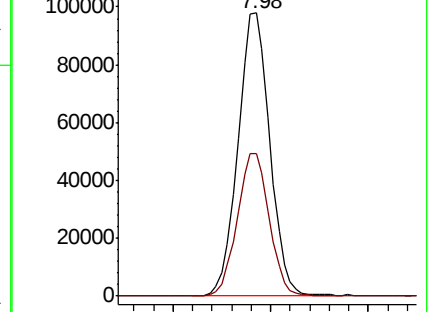
168 100

99 50.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 7.365 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

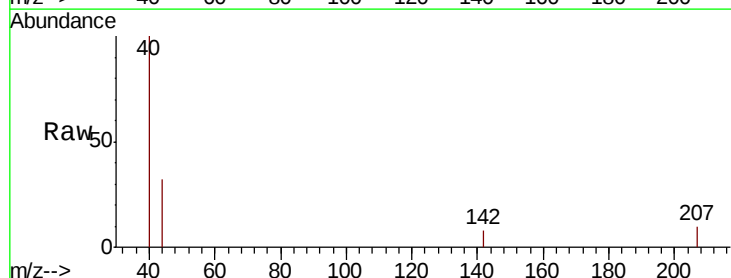
Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

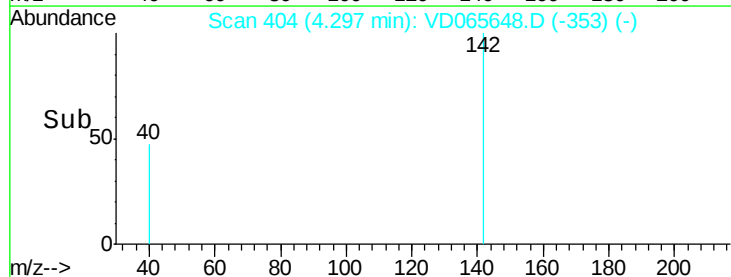
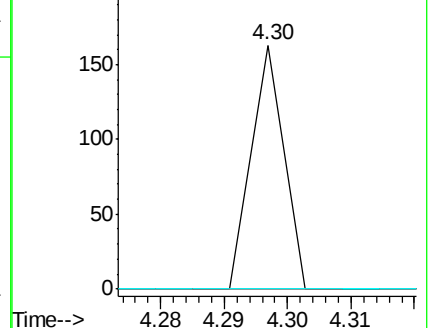
141 0.0 12.1 18.1#

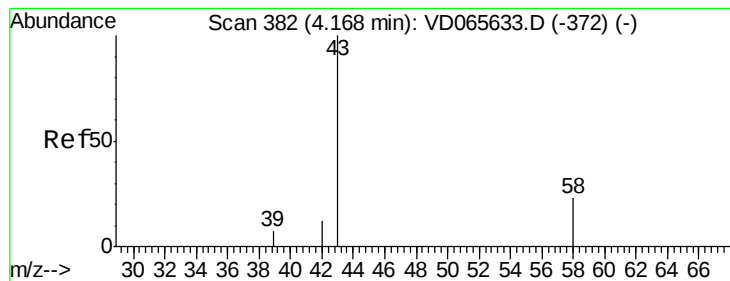


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 2.694 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

Instrument :

MSVOA_D

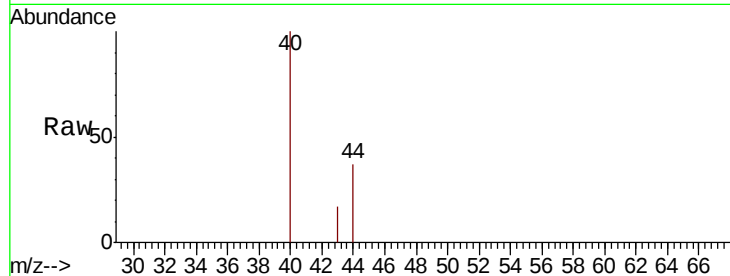
ClientSampleId :

Tot Ion: 43 Resp: 726

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

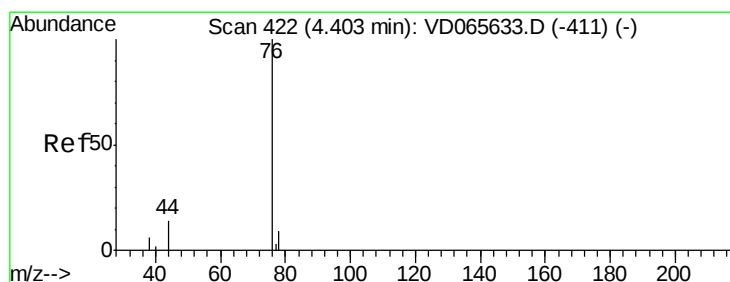
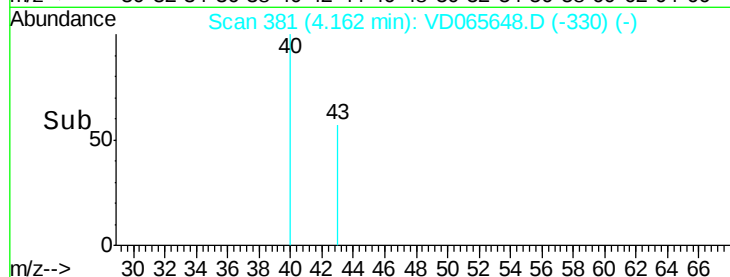
300

200

100

0

Time--> 4.10 4.15 4.20



#17

Carbon Disulfide

Concen: 6.154 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065648.D

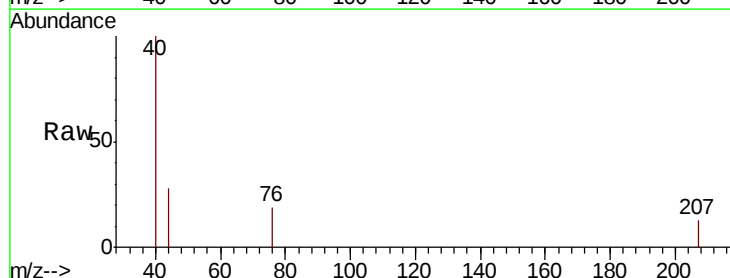
Acq: 17 Apr 2020 16:55

Tgt Ion: 76 Resp: 898

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

400

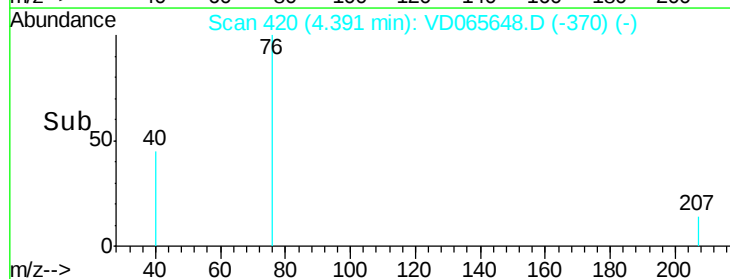
300

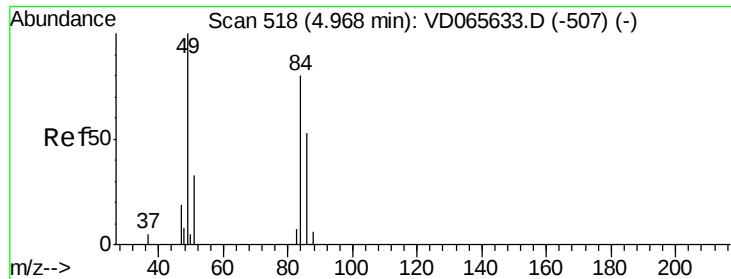
200

100

0

Time--> 4.35 4.40 4.45

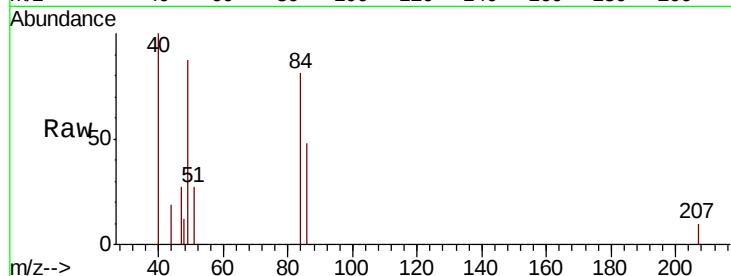




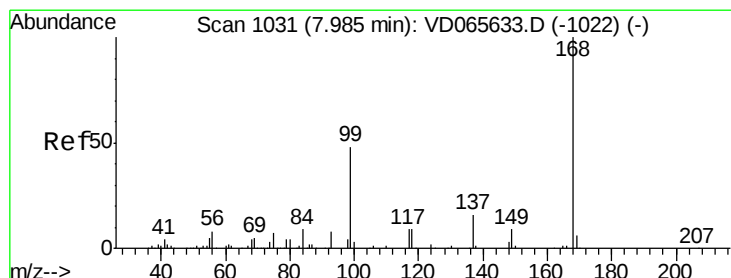
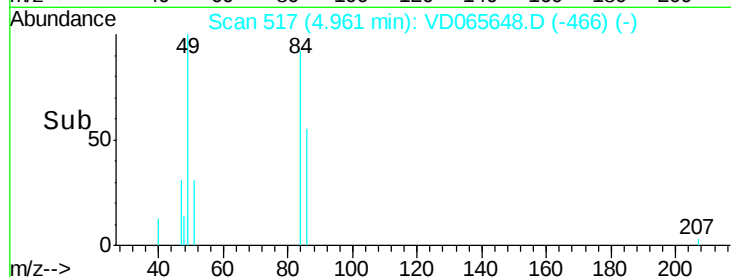
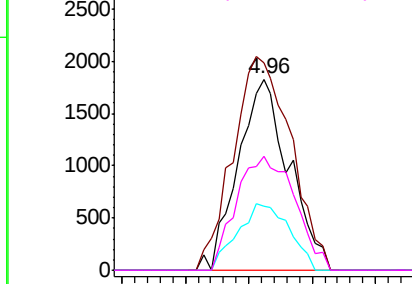
#20
Methvlene Chloride
Concen: 1.131 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	5119
Ion	Ratio	Lower	Upper
84	100		
49	108.7	102.0	153.0
51	33.7	30.8	46.2
86	59.6	51.0	76.4

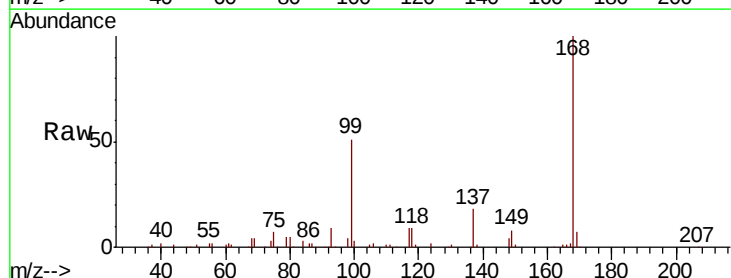


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

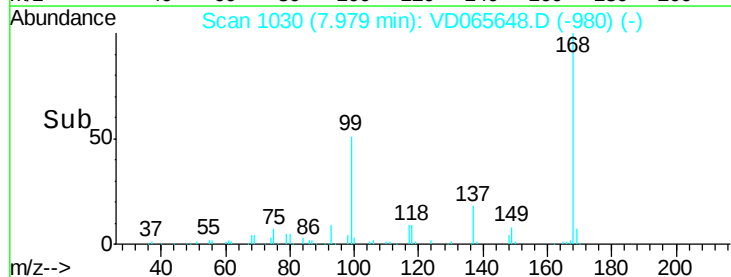
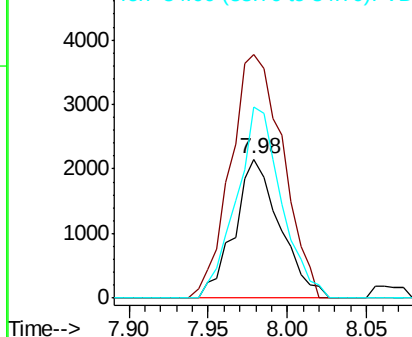


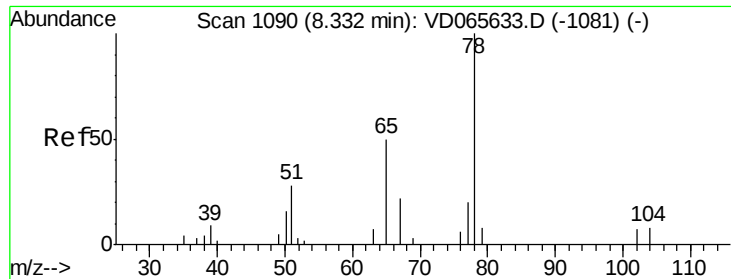
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Tgt Ion:	56	Resp:	4294
Ion	Ratio	Lower	Upper
56	100		
69	175.2	26.6	40.0#
84	137.4	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

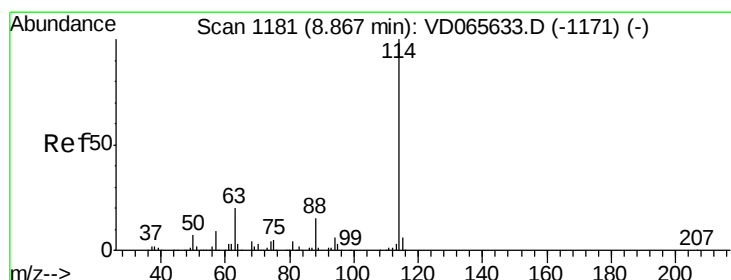
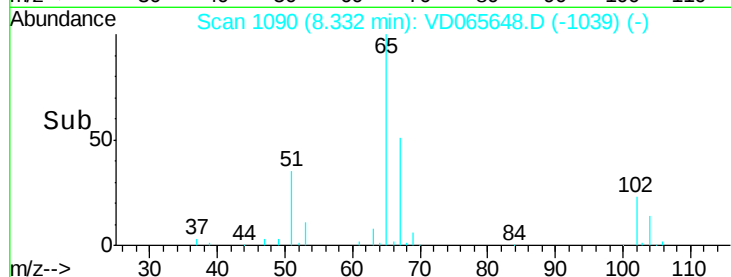
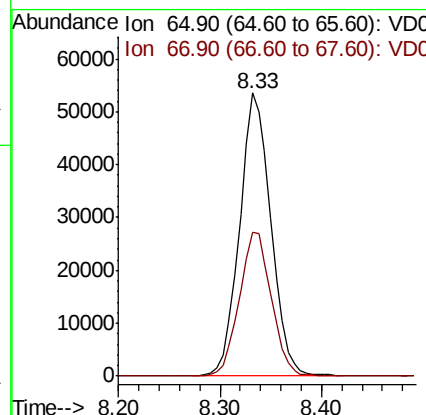
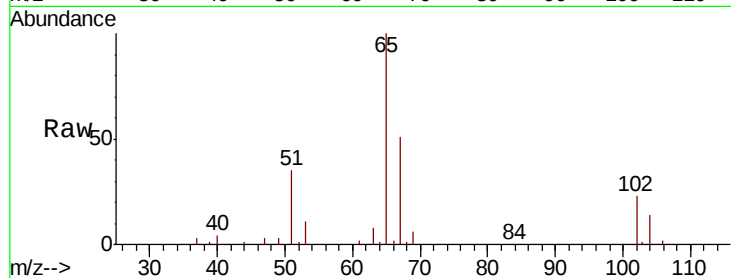




#33
 1,2-Dichloroethane-d4
 Concen: 60.789 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065648.D
 Acq: 17 Apr 2020 16:55

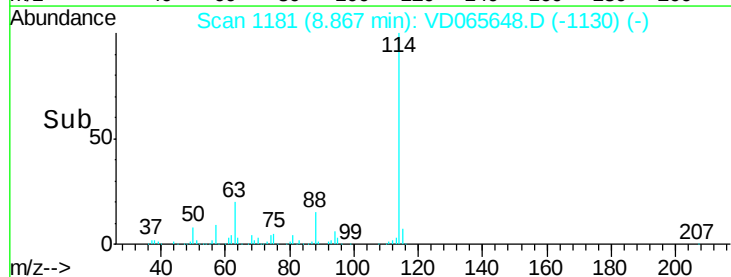
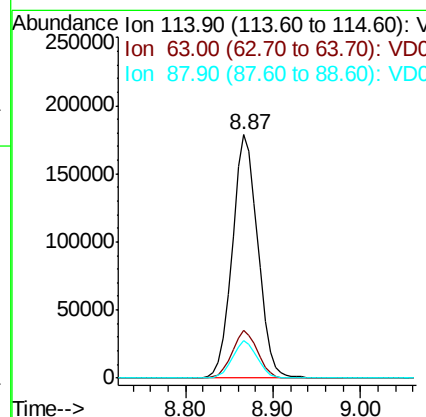
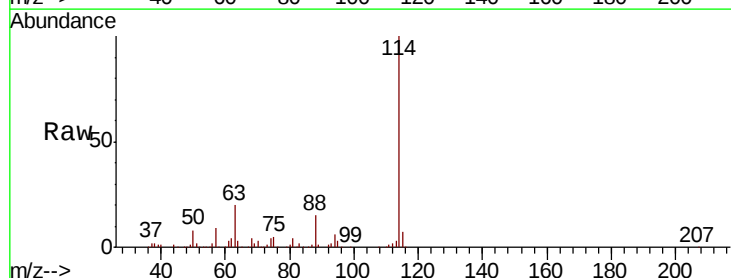
Instrument :
 MSVOA_D
 ClientSampleId :

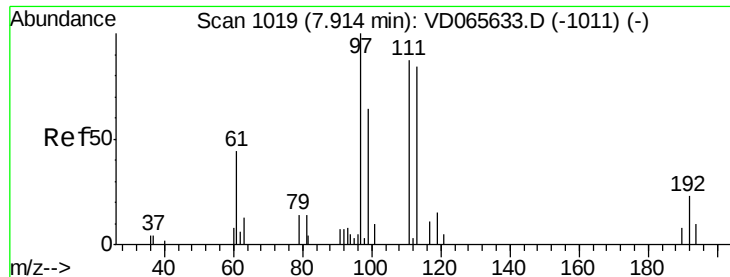
Tot Ion: 65 Resp: 114530
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065648.D
 Acq: 17 Apr 2020 16:55

Tgt Ion: 114 Resp: 353329
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 15.2 0.0 31.6

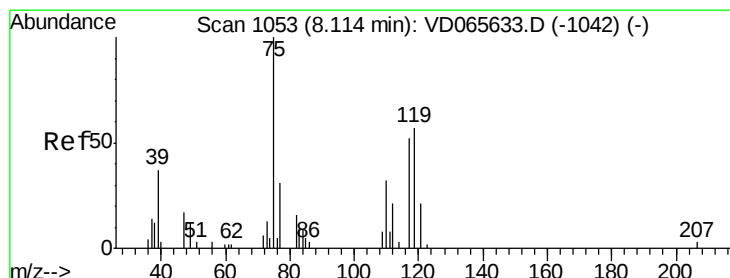
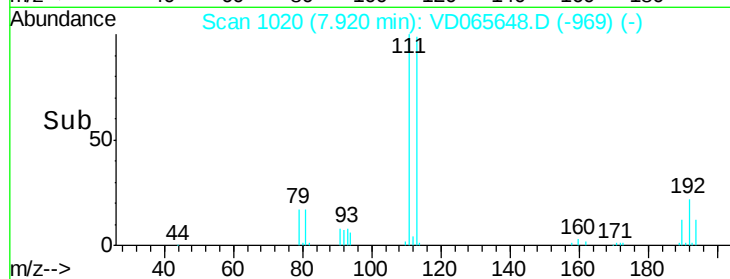
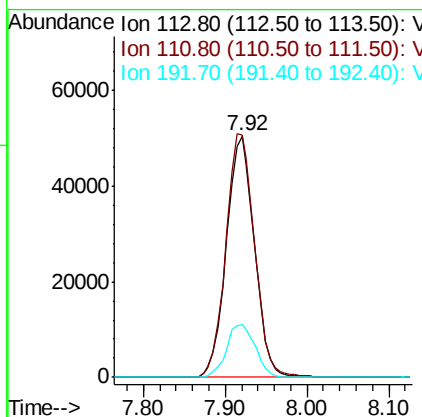
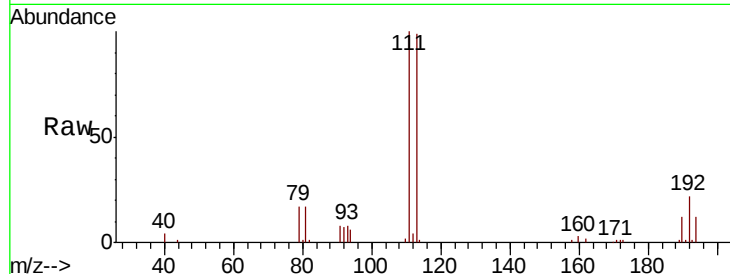




#35
Dibromofluoromethane
Concen: 54.759 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

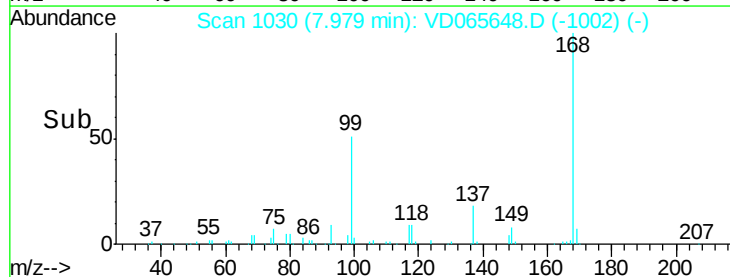
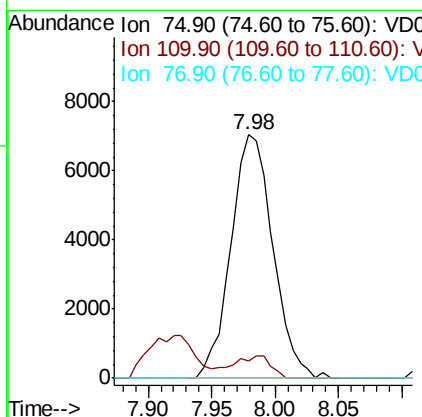
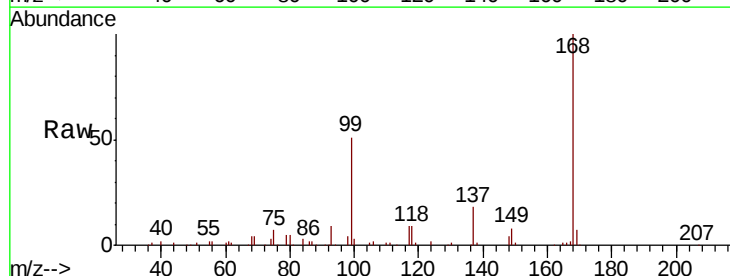
Instrument :
MSVOA_D
ClientSampleId :

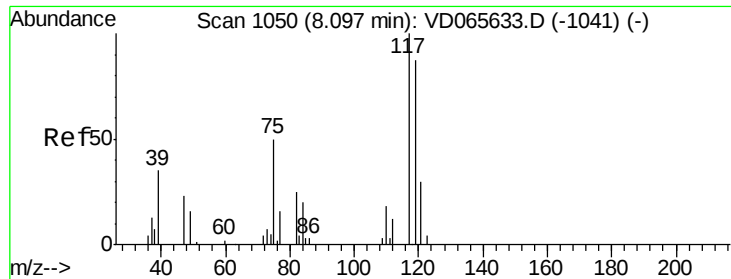
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	22.6	18.9	28.3



#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.3	54.8#
77	0.0	24.6	37.0#

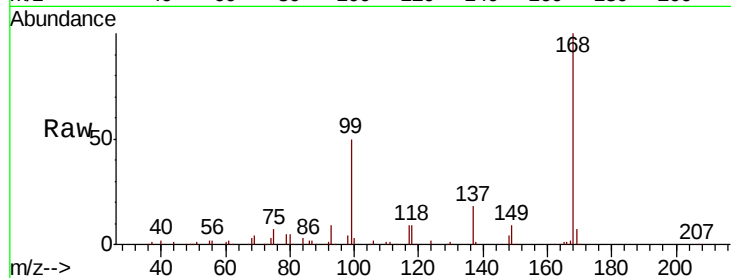




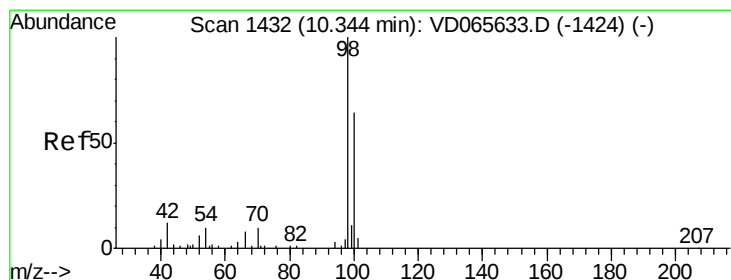
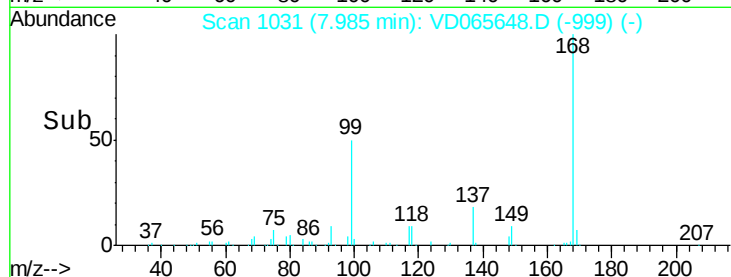
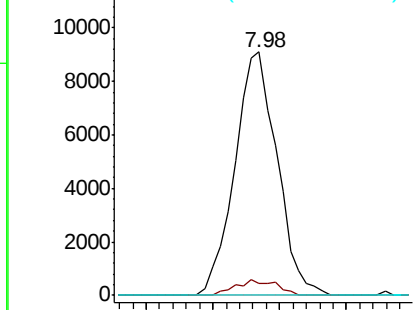
#38
Carbon Tetrachloride
Concen: 5.480 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 20027
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.9 37.3#

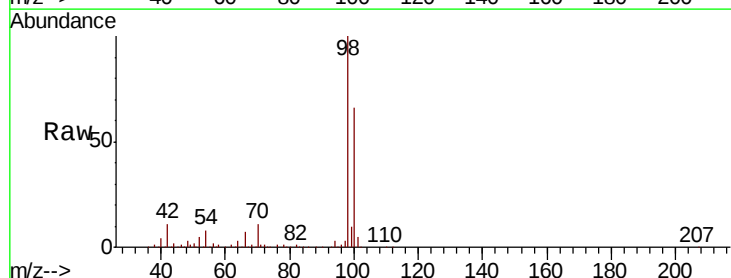


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

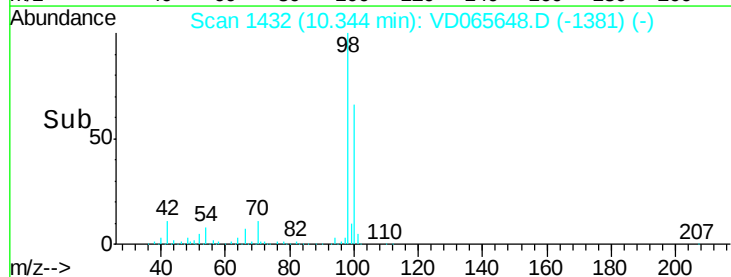
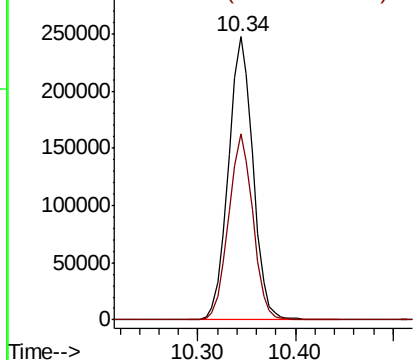


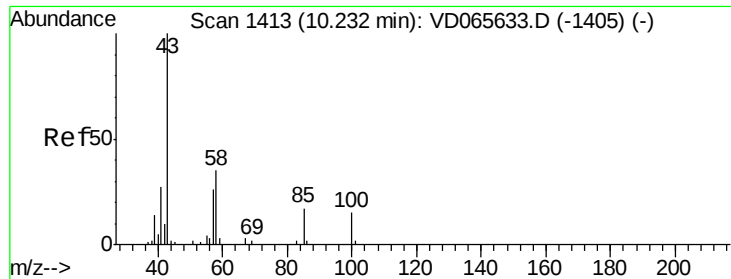
#50
Toluene-d8
Concen: 53.260 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Tgt Ion: 98 Resp: 431744
Ion Ratio Lower Upper
98 100
100 65.2 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: 9.720 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

Instrument :

MSVOA_D

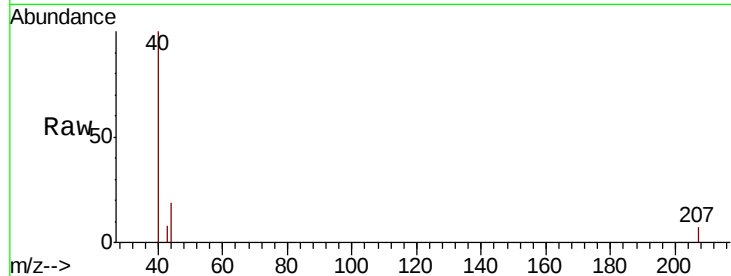
ClientSampleId :

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

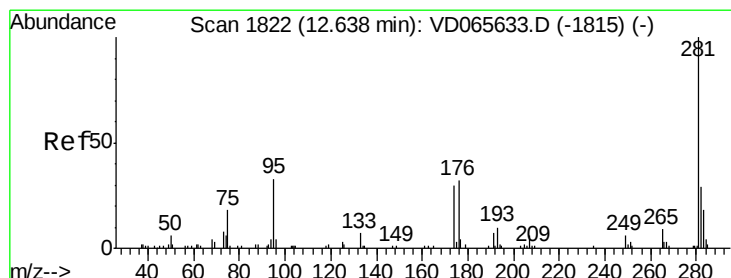
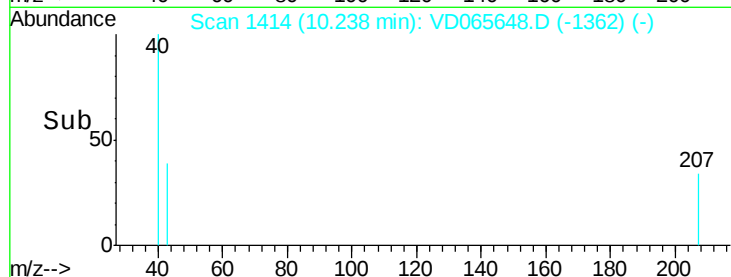
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.516 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

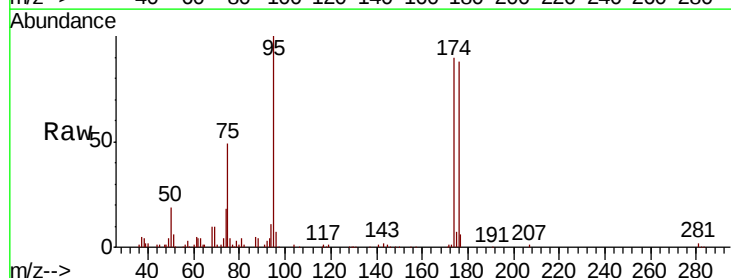
Tgt Ion: 95 Resp: 136260

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.8

176 88.9 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

12.64

100000

80000

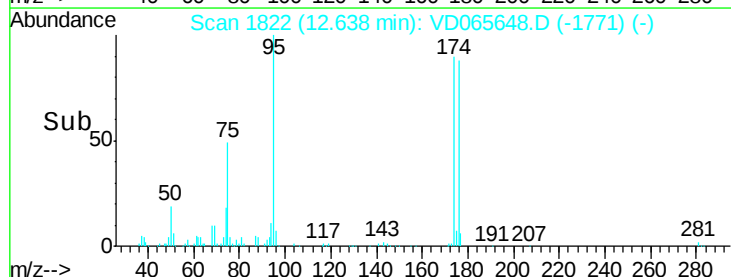
60000

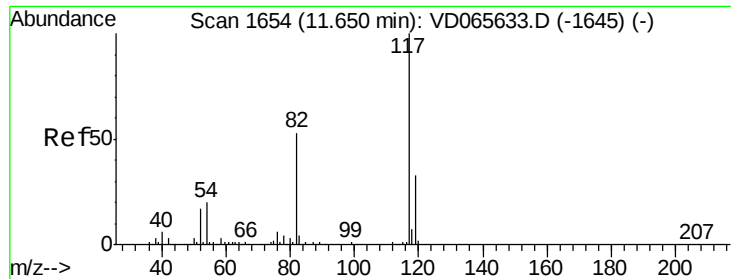
40000

20000

0

Time-->

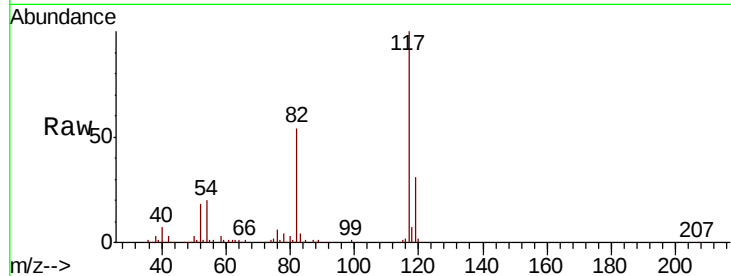




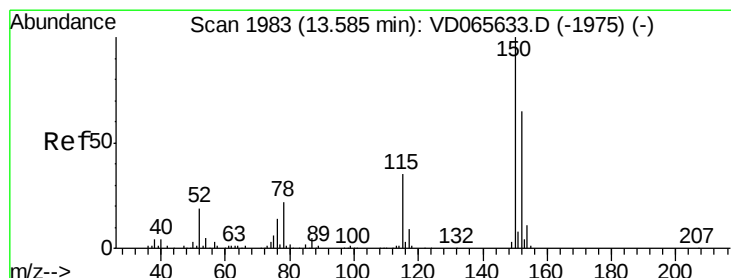
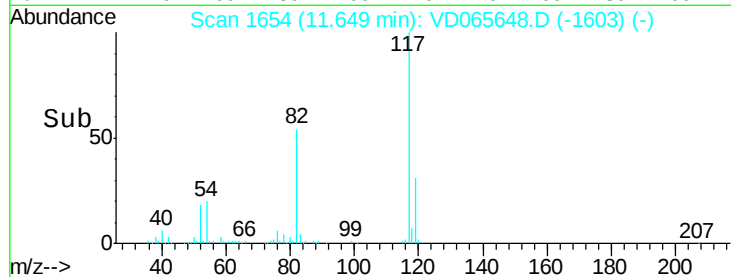
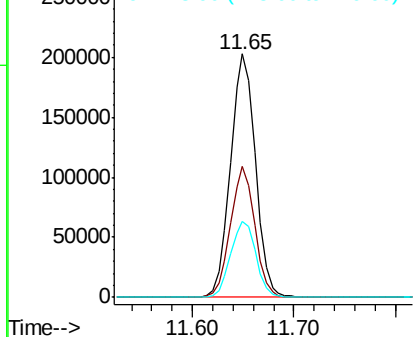
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 346054
Ion Ratio Lower Upper
117 100
82 53.9 43.2 64.8
119 31.2 26.2 39.4

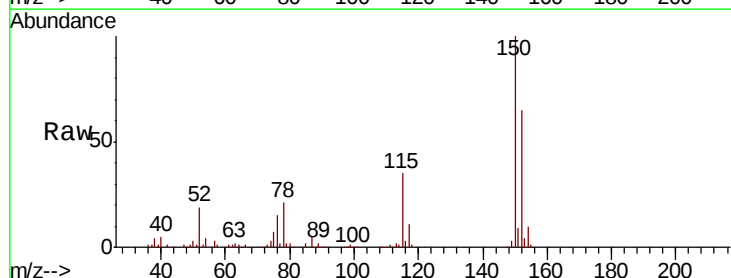


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

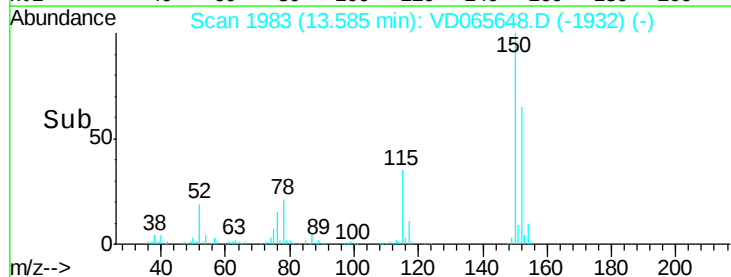
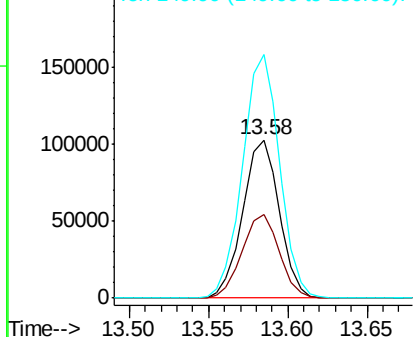


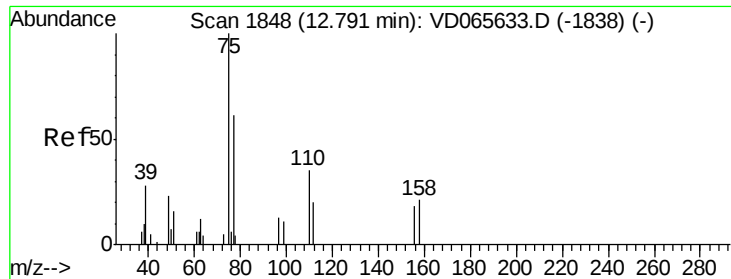
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065648.D
Acq: 17 Apr 2020 16:55

Tgt Ion:152 Resp: 164358
Ion Ratio Lower Upper
152 100
115 54.1 27.6 82.7
150 156.2 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: 50.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

Instrument :

MSVOA_D

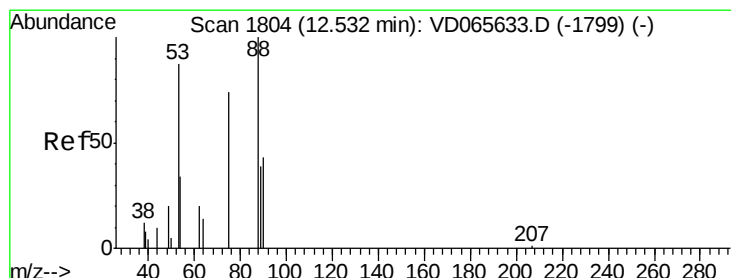
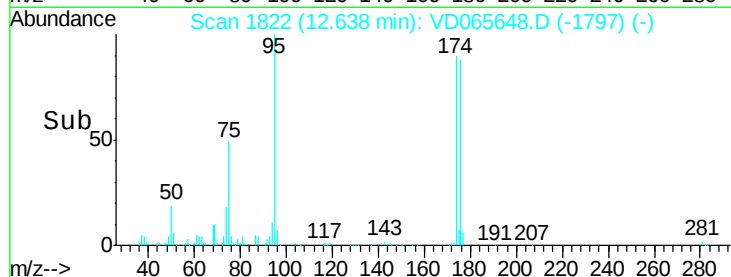
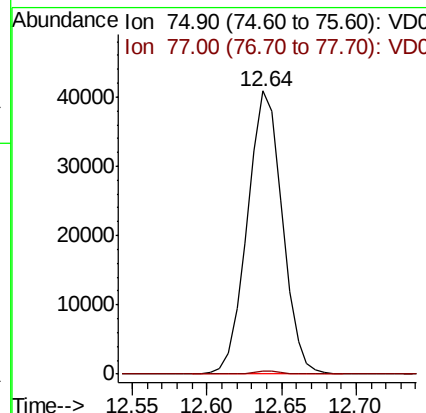
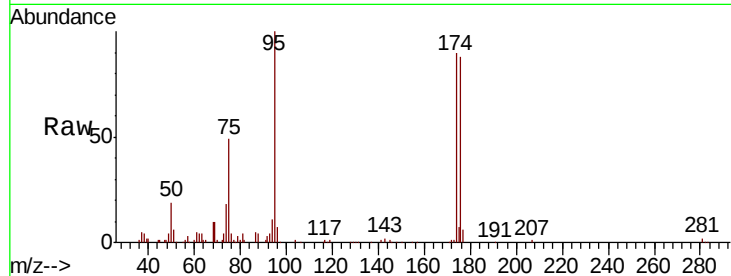
ClientSampleId :

Tot Ion: 75 Resp: 66218

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.820 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

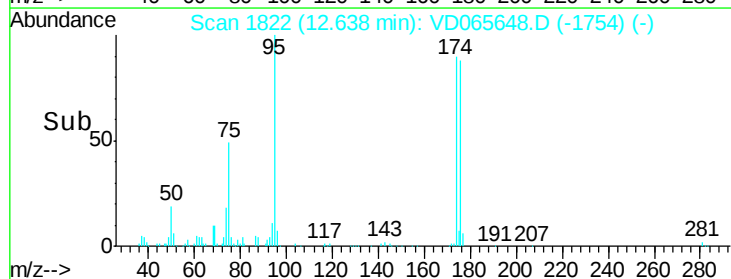
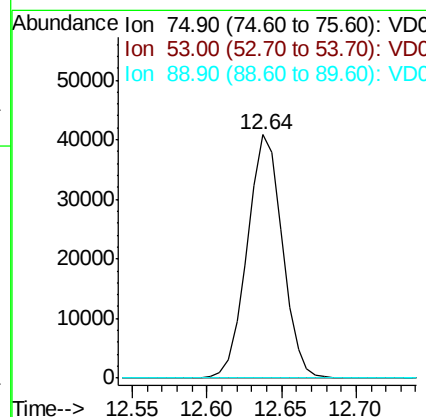
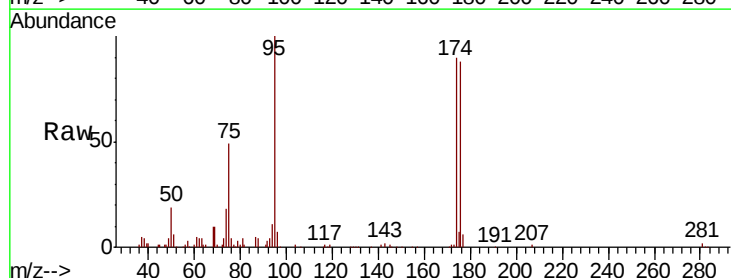
Tgt Ion: 75 Resp: 66218

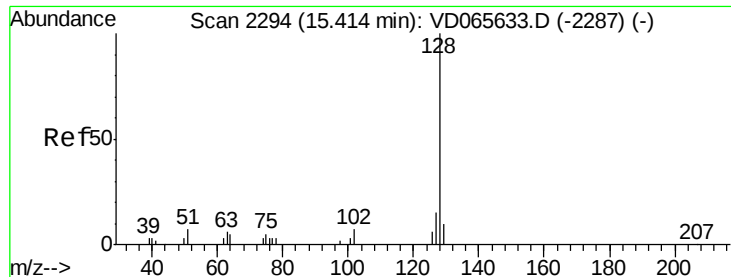
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 4.165 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

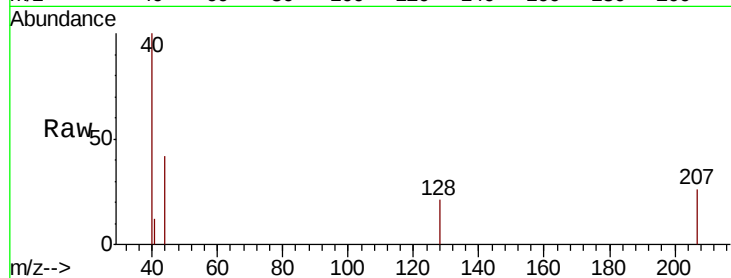
Lab File: VD065648.D

Acq: 17 Apr 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :



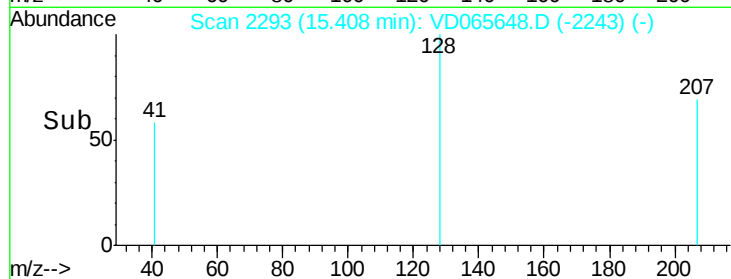
Tot Ion:128 Resp: 340

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

