

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065651.D
 Acq On : 17 Apr 2020 18:22
 Operator : VA/SY
 Sample : L2327-17
 Misc : 6.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:02:10 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	212442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	331095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149279	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	113446	62.77	ug/l	0.00
Spiked Amount			Recovery	=	125.54%	
35) Dibromofluoromethane	7.92	113	119572	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
50) Toluene-d8	10.34	98	425047	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.64	95	127211	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

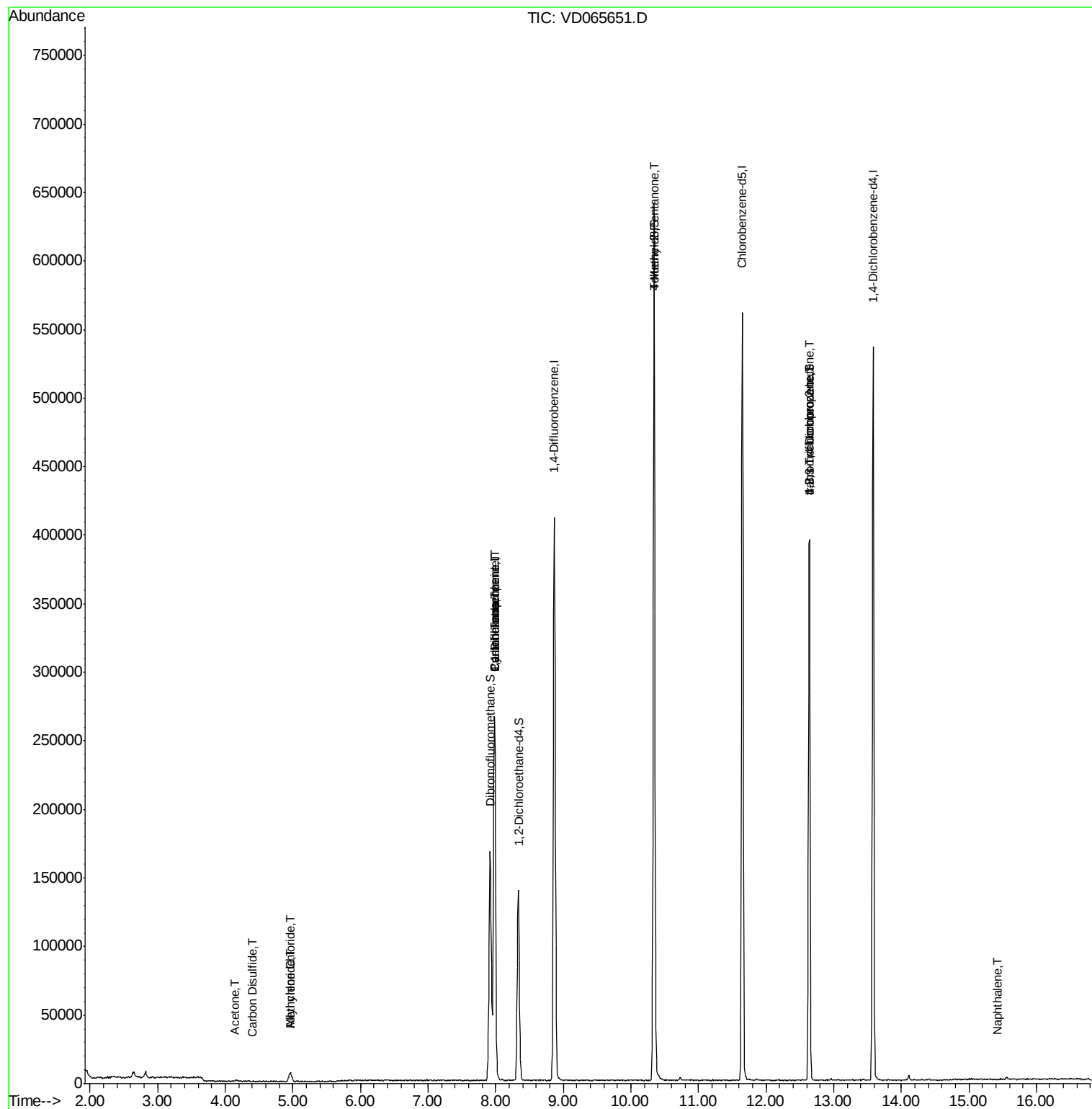
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.96	41	118	4.005	ug/l #	19
16) Acetone	4.15	43	2054	7.947	ug/l	90
17) Carbon Disulfide	4.39	76	202	6.046	ug/l #	75
20) Methylene Chloride	4.96	84	4848	1.087	ug/l	95
31) Cyclohexane	7.98	56	4135	1.215	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	14510	4.306	ug/l #	47
38) Carbon Tetrachloride	7.98	117	19684	5.453	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1961	11.072	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	62390	51.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	62390	113.923	ug/l #	11
95) Naphthalene	15.41	128	359	4.175	ug/l #	69

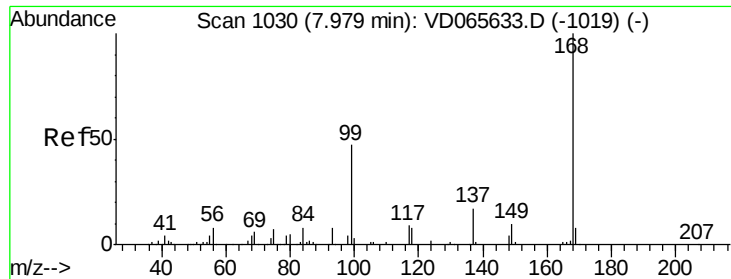
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065651.D

Acq: 17 Apr 2020 18:22

Instrument :

MSVOA_D

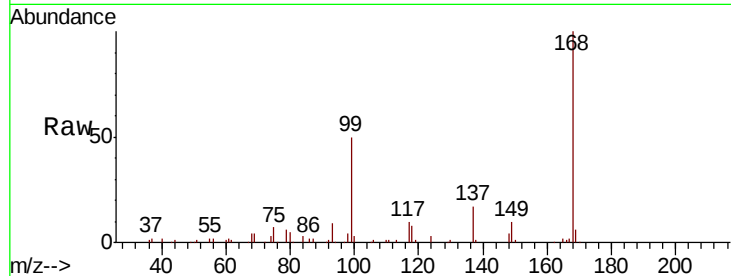
ClientSampleId :

Tot Ion:168 Resp: 212442

Ion Ratio Lower Upper

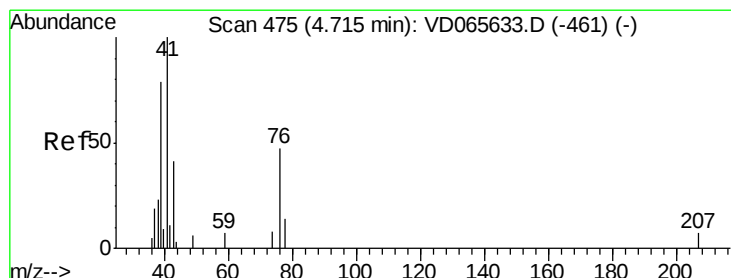
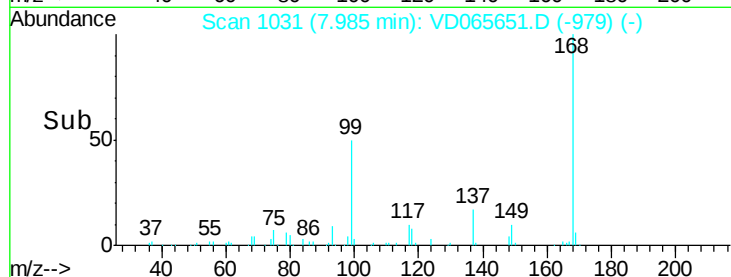
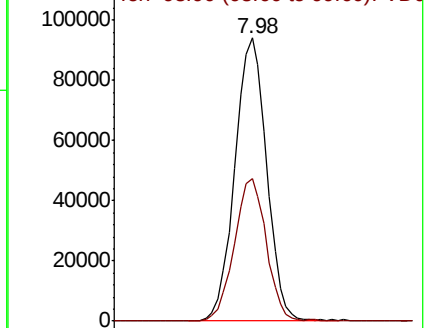
168 100

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): VDC



#14

Allyl chloride

Concen: 4.005 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.25 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

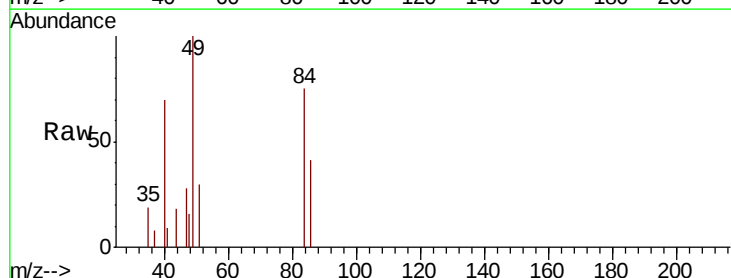
Tgt Ion: 41 Resp: 118

Ion Ratio Lower Upper

41 100

39 0.0 62.5 93.7#

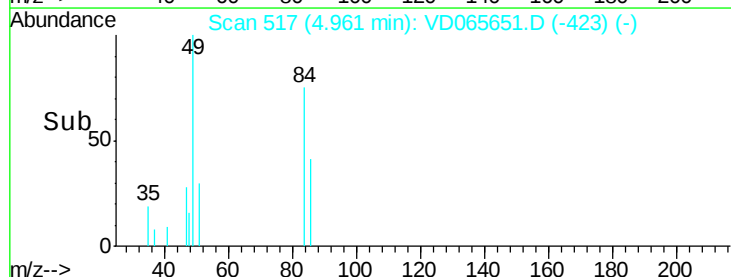
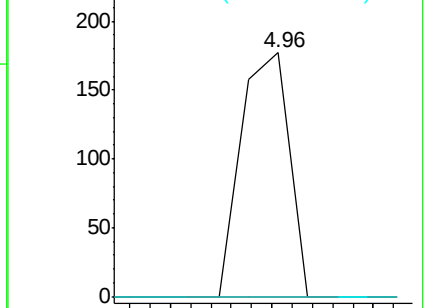
76 0.0 29.1 43.7#

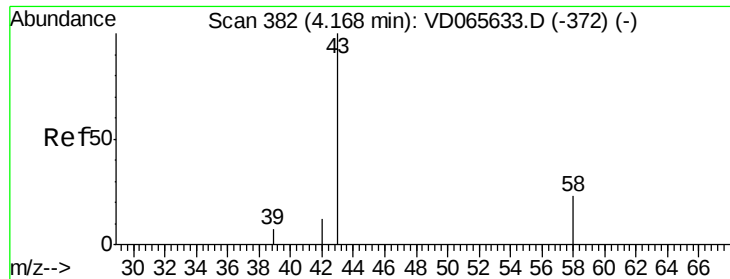


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 7.947 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

Instrument :

MSVOA_D

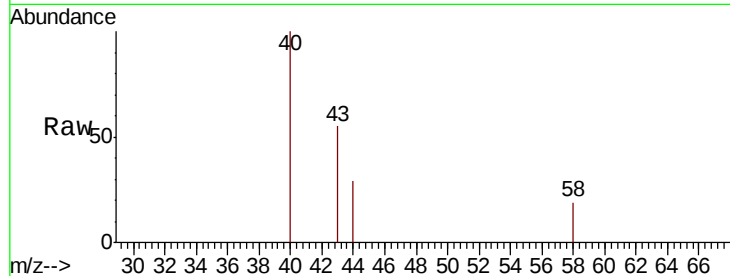
ClientSampled :

Tot Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

58 34.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

600

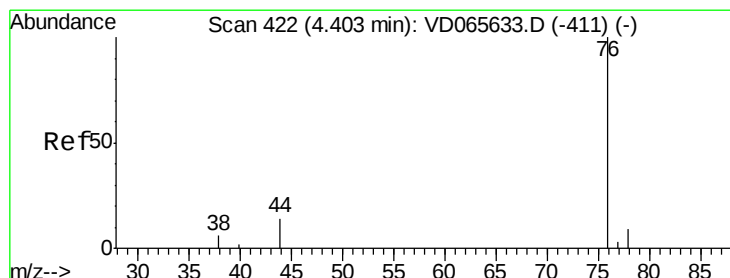
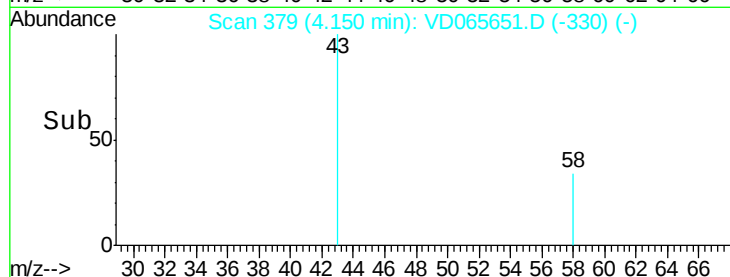
400

200

0

4.10 4.15 4.20

Time-->



#17

Carbon Disulfide

Concen: 6.046 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065651.D

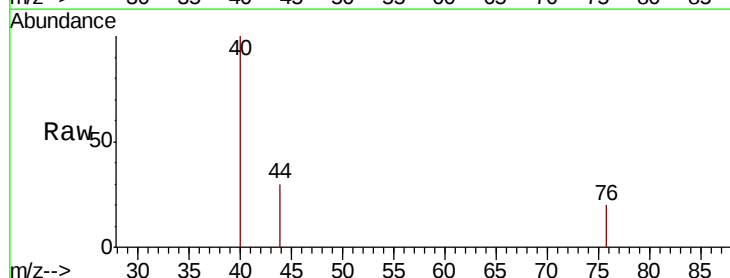
Acq: 17 Apr 2020 18:22

Tgt Ion: 76 Resp: 202

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

250

200

150

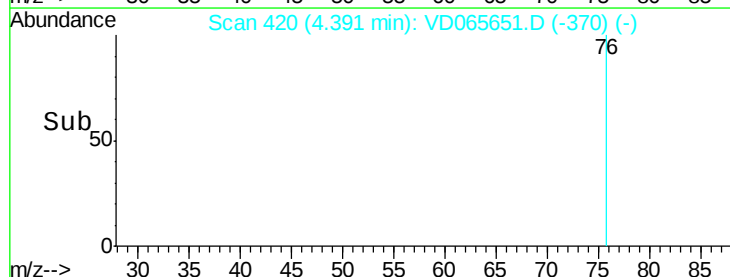
100

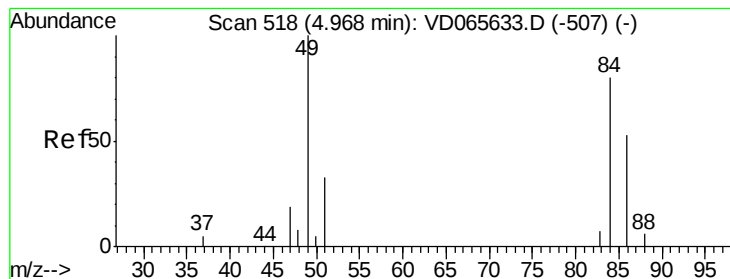
50

0

4.36 4.38 4.40 4.42

Time-->





#20

Methvlene Chloride

Concen: 1.087 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 4848

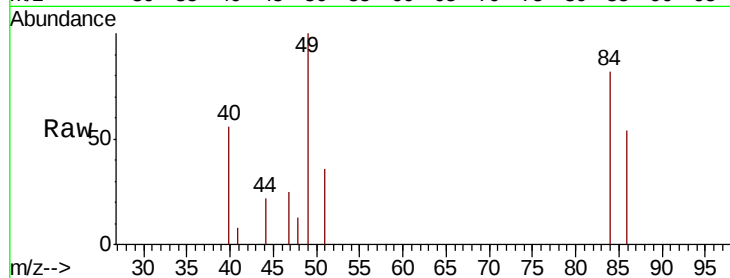
Ion Ratio Lower Upper

84 100

49 121.8 102.0 153.0

51 43.3 30.8 46.2

86 65.3 51.0 76.4



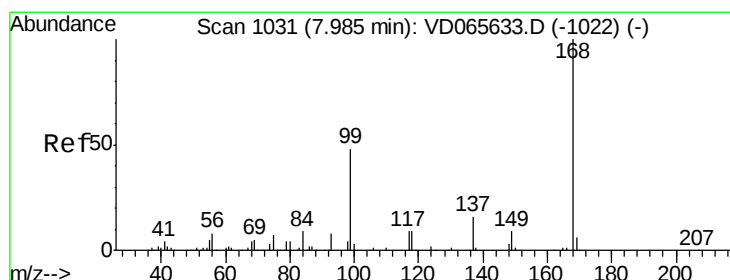
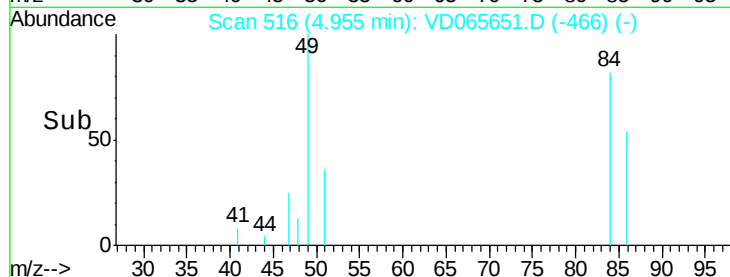
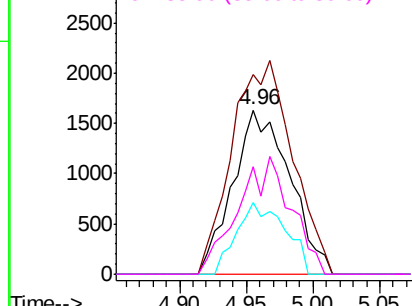
Abundance

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: 1.215 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

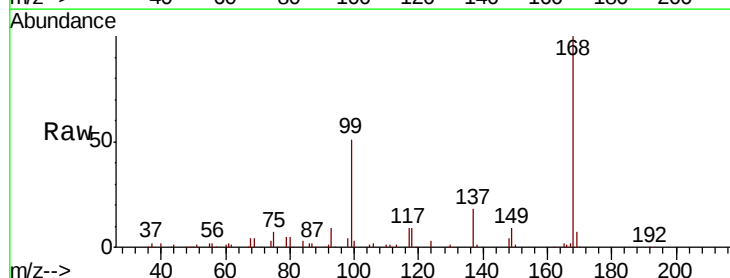
Tgt Ion: 56 Resp: 4135

Ion Ratio Lower Upper

56 100

69 172.4 26.6 40.0#

84 135.0 75.3 112.9#

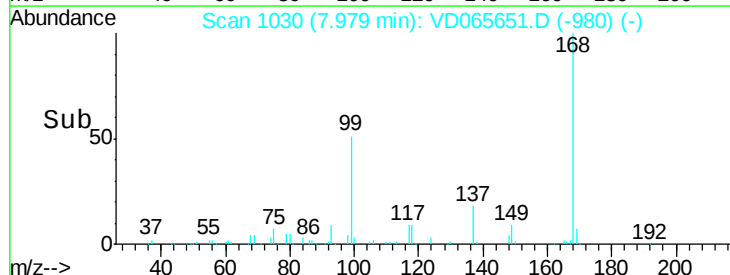
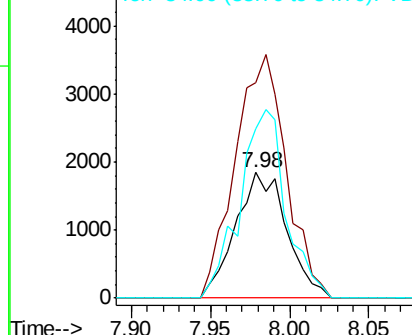


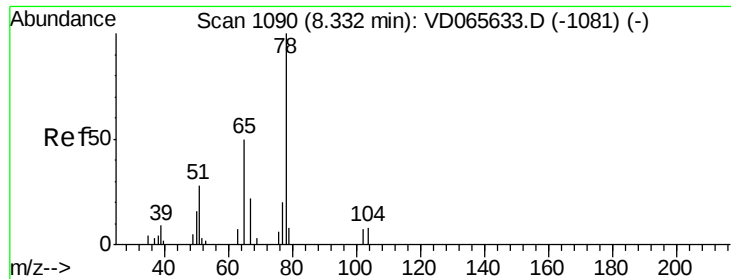
Abundance

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

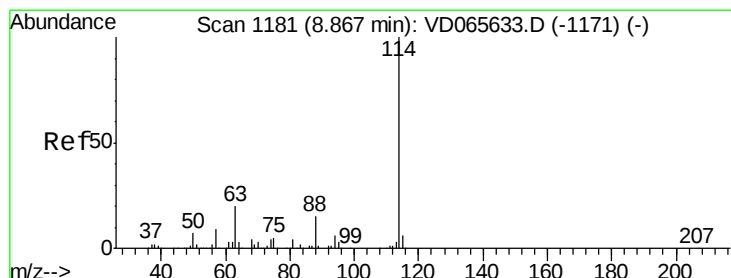
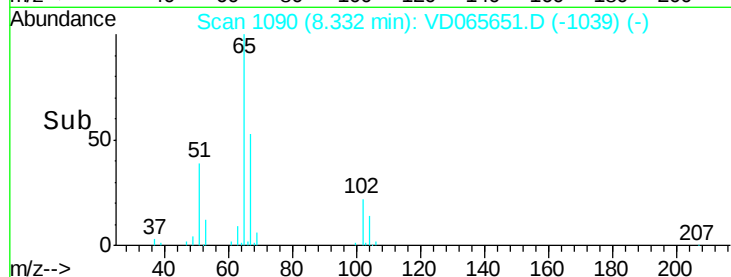
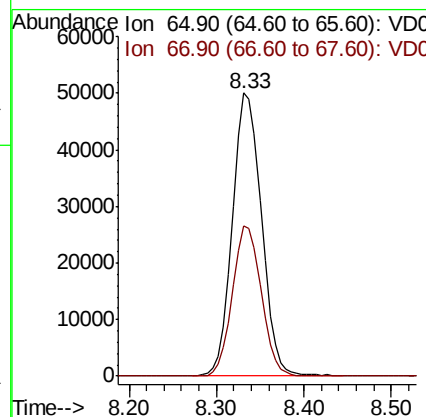
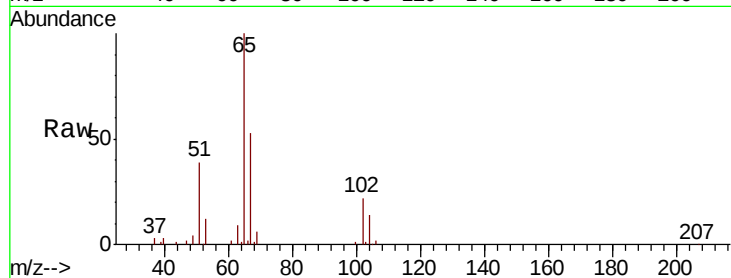




#33
 1,2-Dichloroethane-d4
 Concen: 62.774 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065651.D
 Acq: 17 Apr 2020 18:22

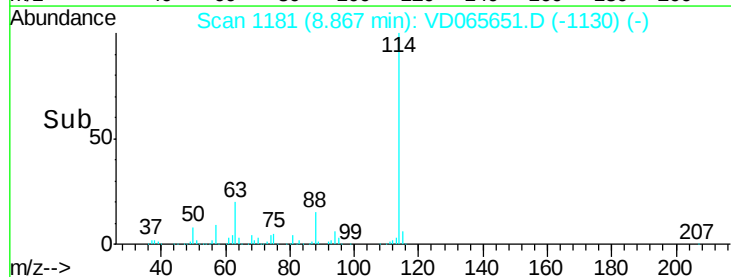
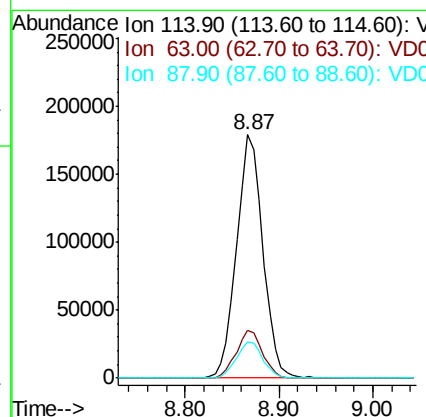
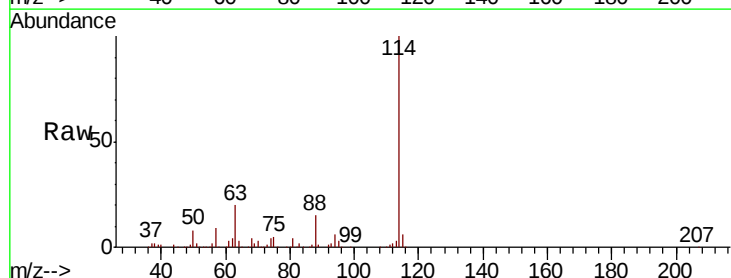
Instrument :
 MSVOA_D
 ClientSampled :

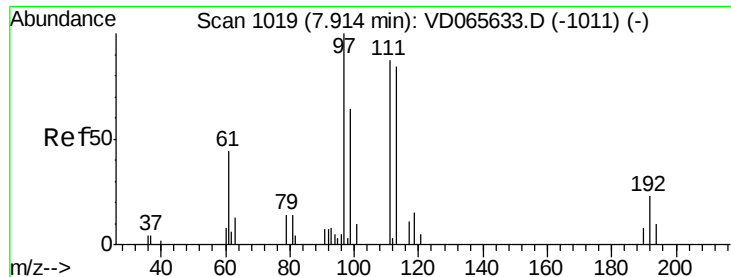
Tot Ion: 65 Resp: 113446
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065651.D
 Acq: 17 Apr 2020 18:22

Tgt Ion: 114 Resp: 348984
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 14.9 0.0 31.6

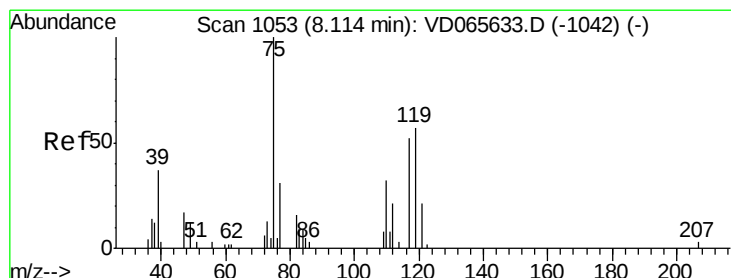
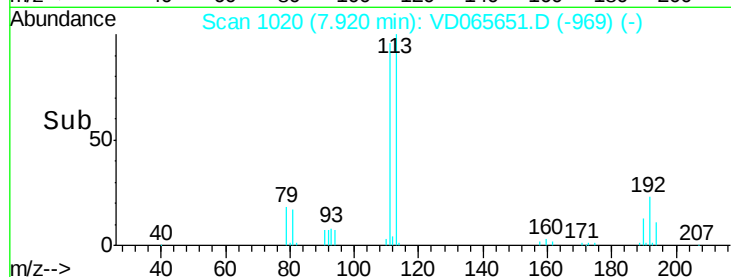
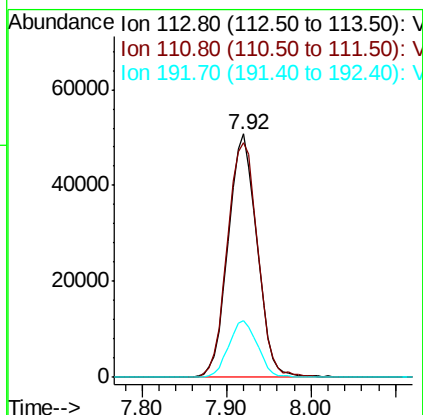
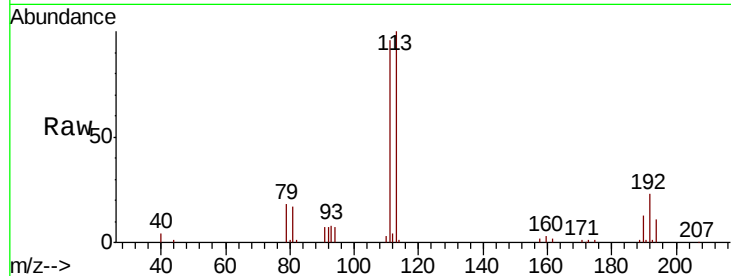




#35
 Dibromofluoromethane
 Concen: 55.052 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065651.D
 Acq: 17 Apr 2020 18:22

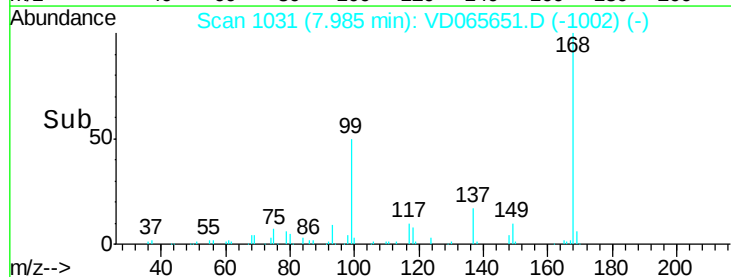
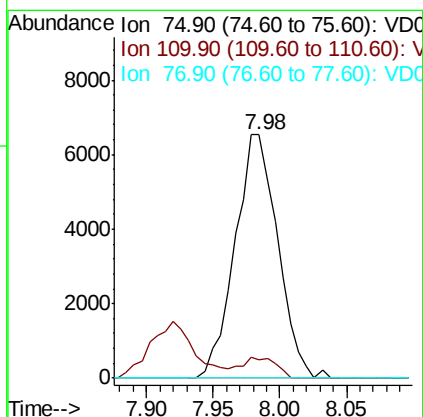
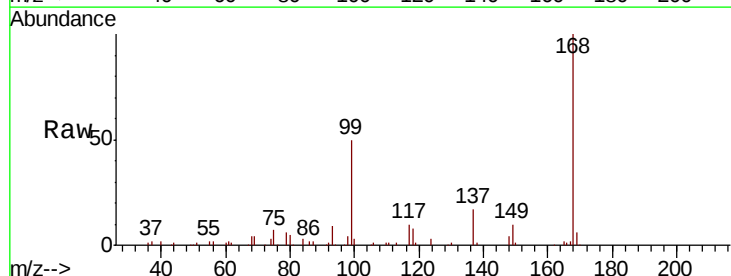
Instrument :
 MSVOA_D
 ClientSampleId :

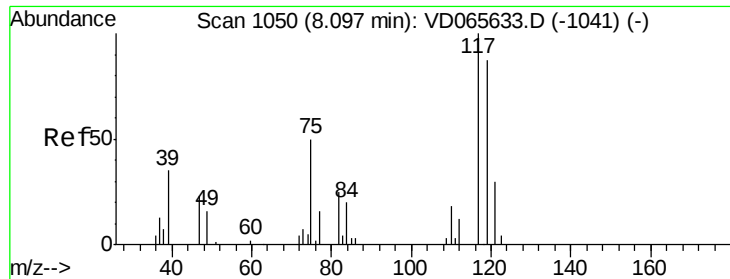
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	23.3	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065651.D
 Acq: 17 Apr 2020 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.3	54.8#
77	0.0	24.6	37.0#

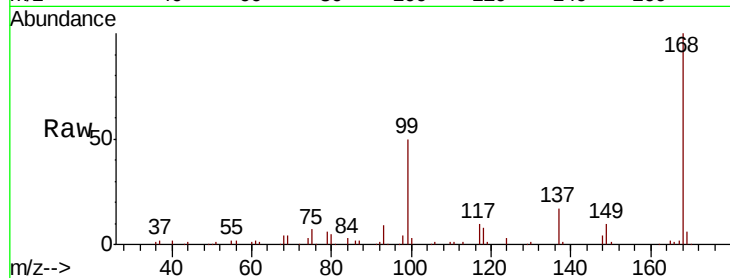




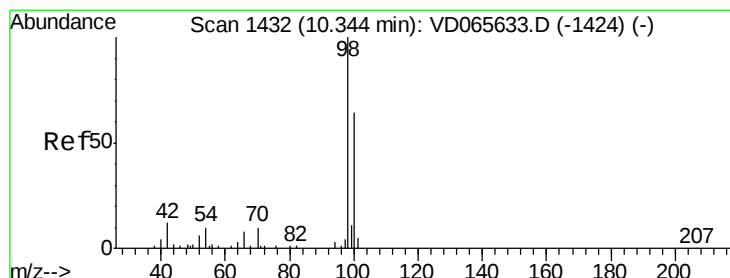
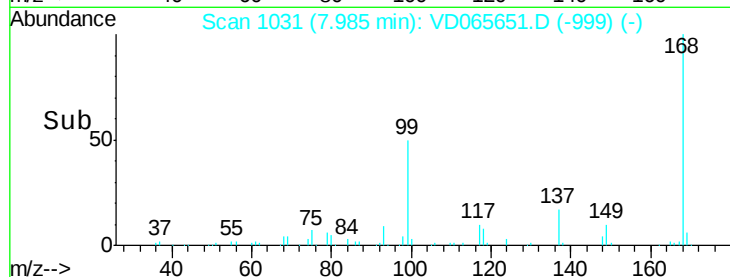
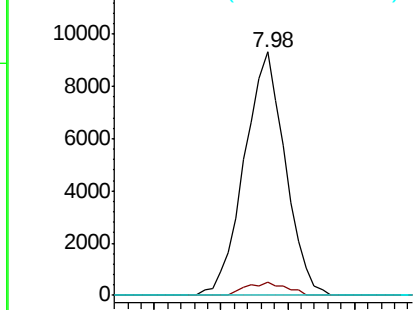
#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065651.D
Acq: 17 Apr 2020 18:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 19684
Ion Ratio Lower Upper
117 100
119 5.2 75.3 112.9#
121 0.0 24.9 37.3#

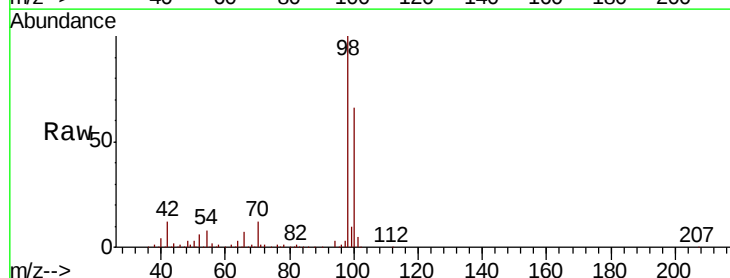


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

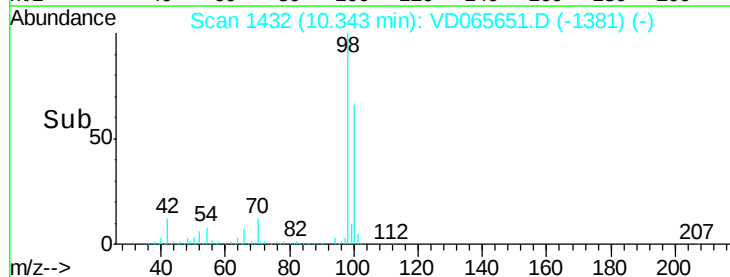
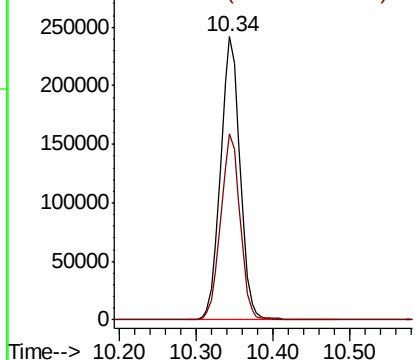


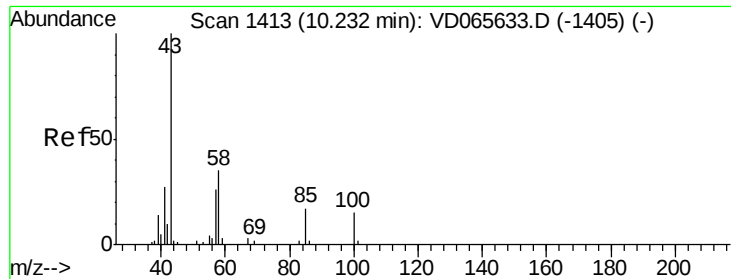
#50
Toluene-d8
Concen: 53.086 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065651.D
Acq: 17 Apr 2020 18:22

Tgt Ion: 98 Resp: 425047
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: 11.072 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

Instrument :

MSVOA_D

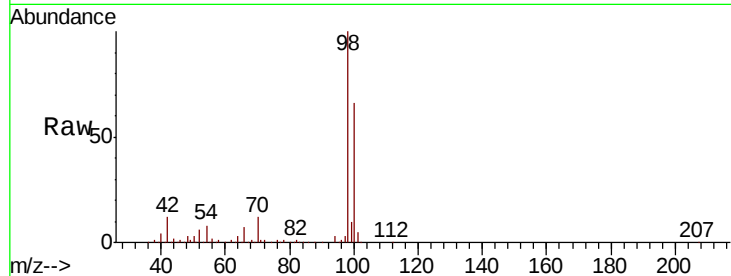
ClientSampleId :

Tot Ion: 43 Resp: 1961

Ion Ratio Lower Upper

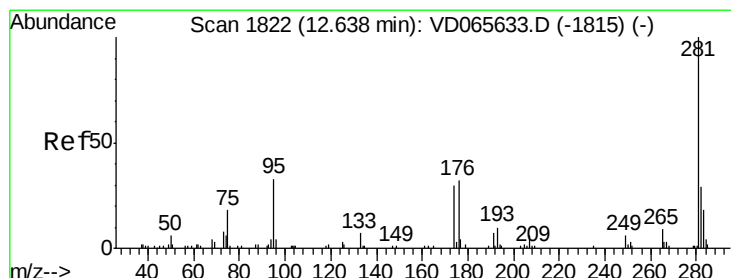
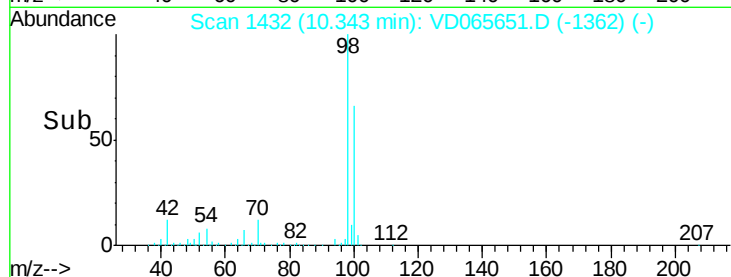
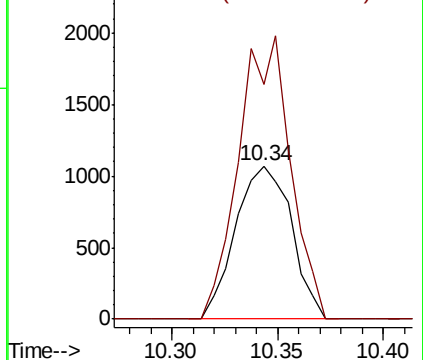
43 100

58 171.3 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: 47.749 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

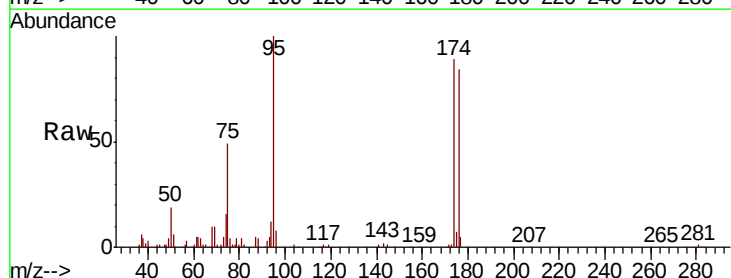
Tgt Ion: 95 Resp: 127211

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.8

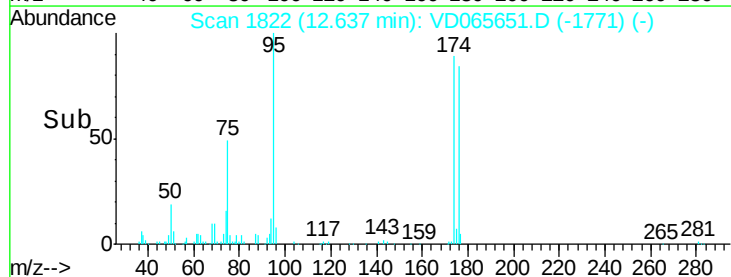
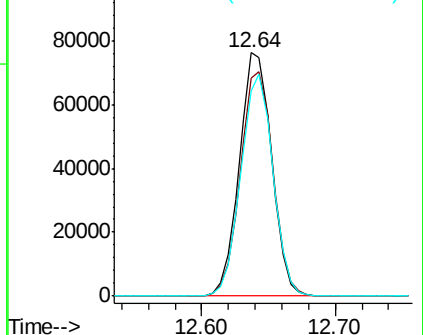
176 90.7 0.0 181.4

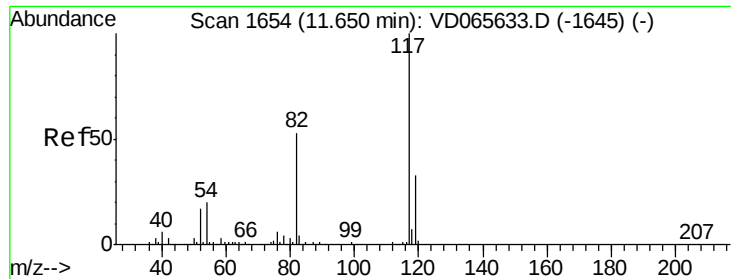


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

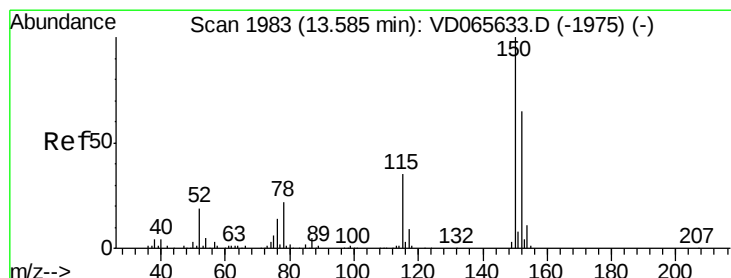
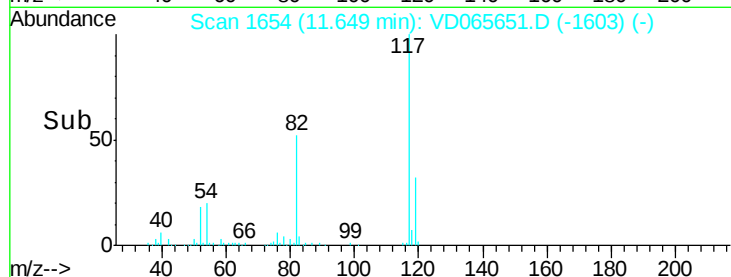
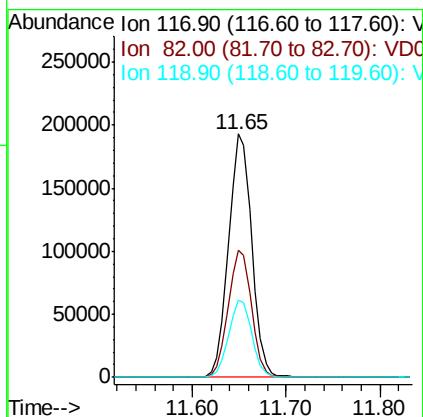
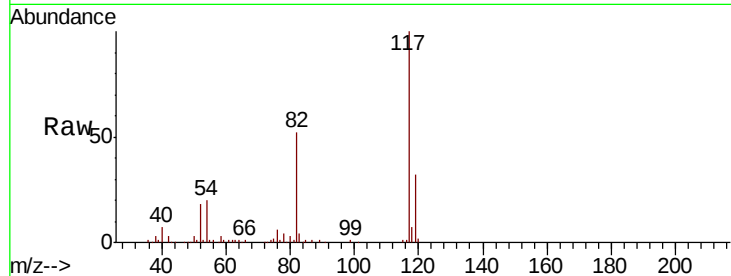




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065651.D
Acq: 17 Apr 2020 18:22

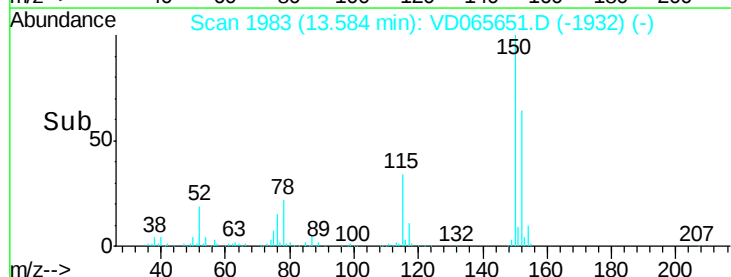
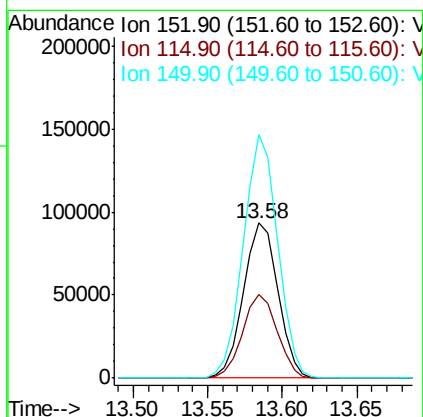
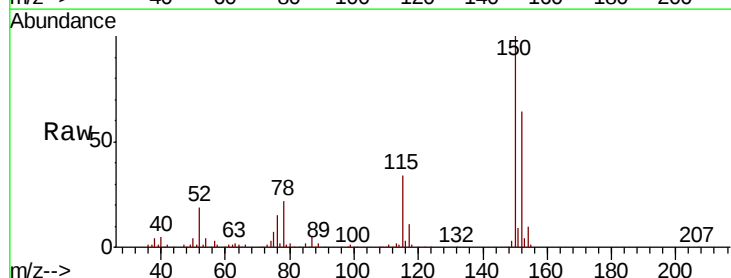
Instrument :
MSVOA_D
ClientSampled :

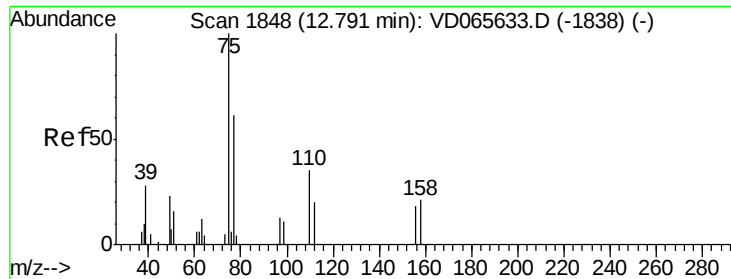
Tot Ion:117 Resp: 331095
Ion Ratio Lower Upper
117 100
82 52.1 43.2 64.8
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065651.D
Acq: 17 Apr 2020 18:22

Tgt Ion:152 Resp: 149279
Ion Ratio Lower Upper
152 100
115 54.0 27.6 82.7
150 156.1 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 51.981 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

Instrument :

MSVOA_D

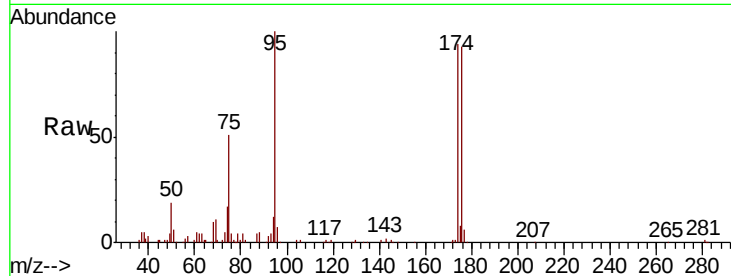
ClientSampleId :

Tot Ion: 75 Resp: 62390

Ion Ratio Lower Upper

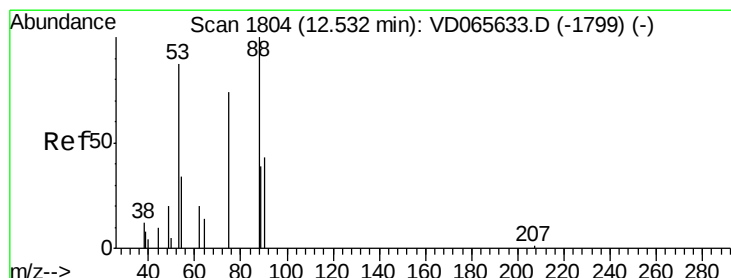
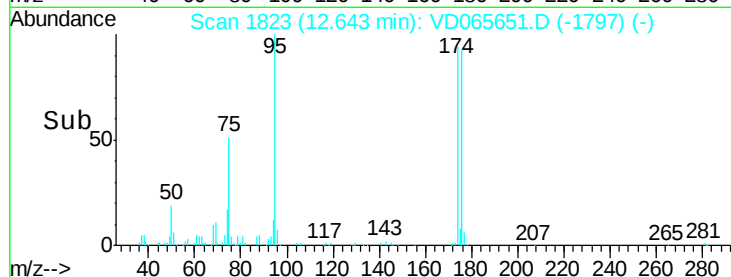
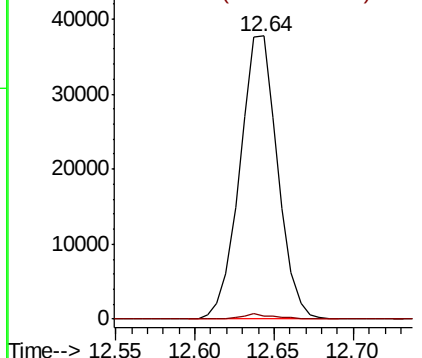
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 113.923 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065651.D

Acq: 17 Apr 2020 18:22

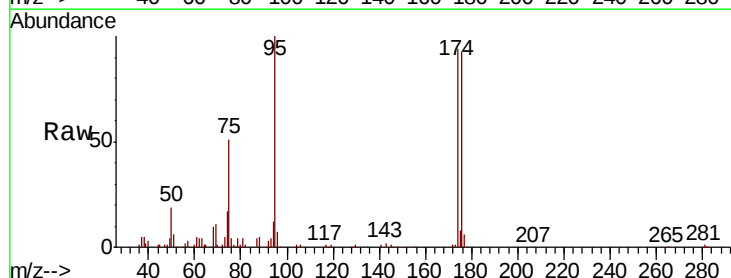
Tgt Ion: 75 Resp: 62390

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

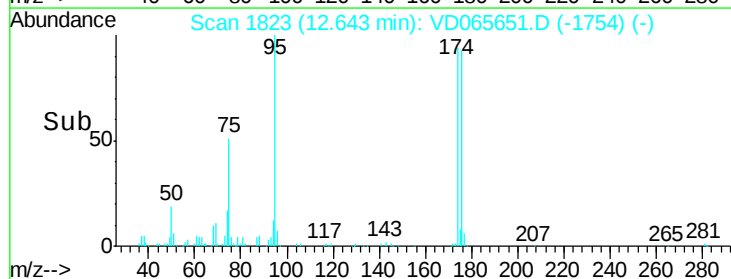
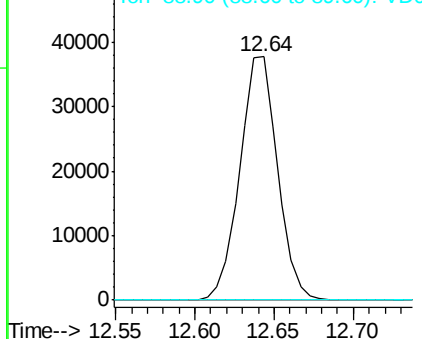
89 0.0 36.1 54.1#

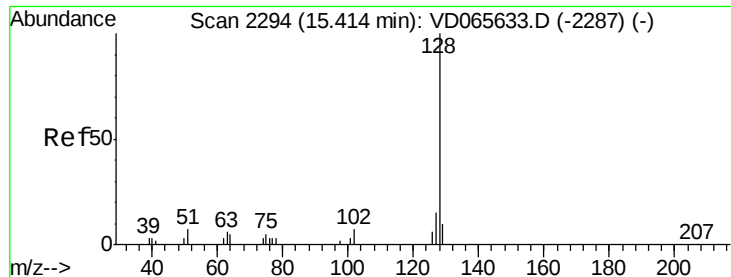


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 4.175 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065651.D
Acq: 17 Apr 2020 18:22

Instrument :
MSVOA_D
ClientSampleId :

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

