

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065540.D
 Acq On : 27 Mar 2020 13:20
 Operator : VA/SY
 Sample : L2040-07
 Misc : 6.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:33:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	491990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	876651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	831210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	388274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	247733	60.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.98%	
35) Dibromofluoromethane	7.92	113	286150	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.34	98	1029957	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	337617	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

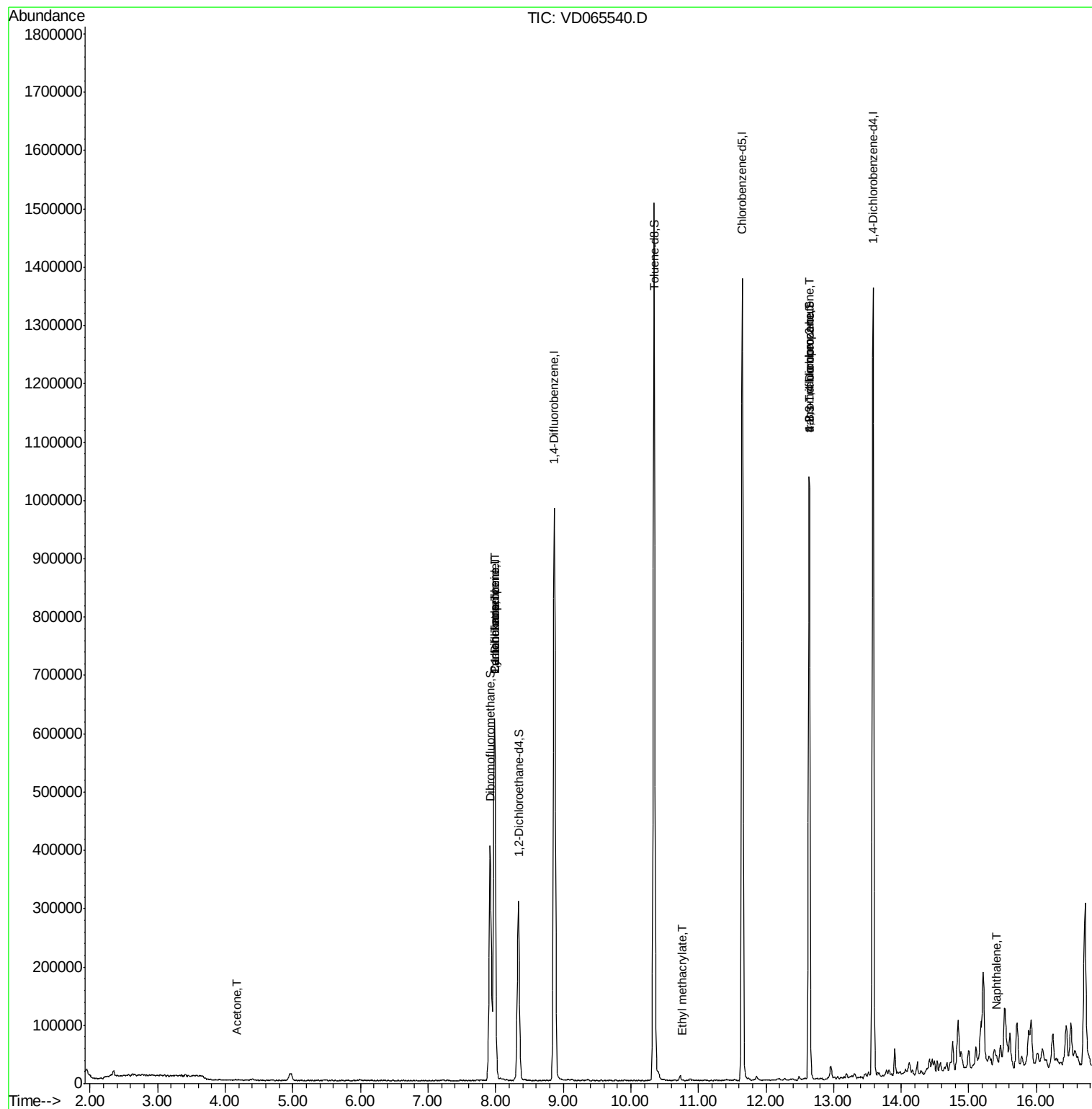
					Qvalue
2) Dichlorodifluoromethane	2.00	85	421	Below Cal	90
3) Chloromethane	2.20	50	976	Below Cal #	76
5) Bromomethane	2.77	94	428	Below Cal	96
16) Acetone	4.17	43	2929	3.790 ug/l	88
20) Methylene Chloride	4.96	84	10073	Below Cal	93
31) Cyclohexane	7.99	56	10030	1.303 ug/l #	12
36) 1,1-Dichloropropene	7.98	75	34076	4.254 ug/l #	48
38) Carbon Tetrachloride	7.98	117	45040	5.339 ug/l #	19
56) Ethyl methacrylate	10.76	69	55	3.303 ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	162025	54.278 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162025	121.159 ug/l #	13
95) Naphthalene	15.41	128	6837	4.843 ug/l #	88

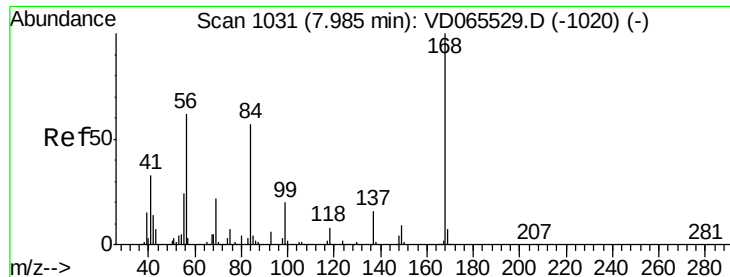
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Instrument :

MSVOA_D

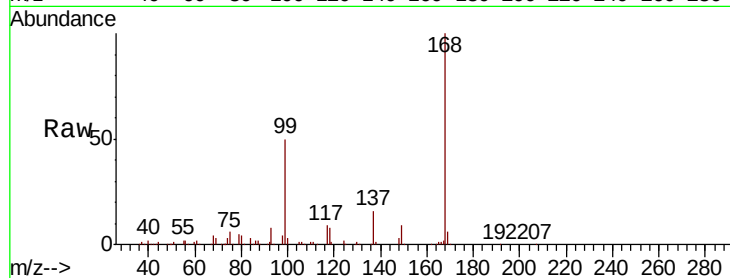
ClientSampled :

Tot Ion:168 Resp: 491990

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

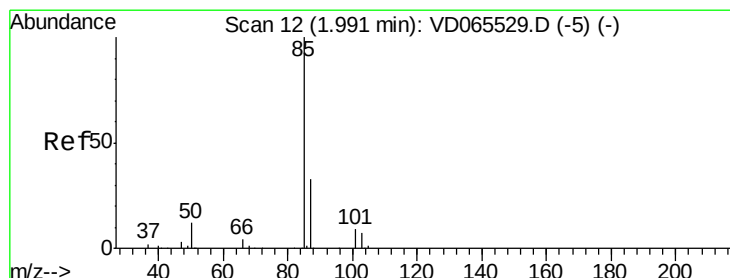
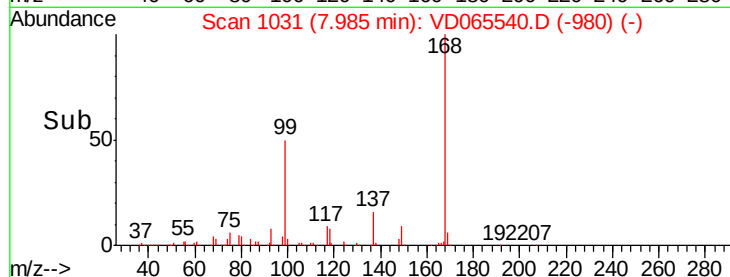
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD065540.D

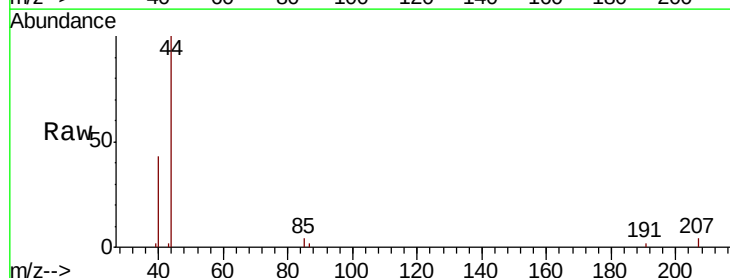
Acq: 27 Mar 2020 13:20

Tgt Ion: 85 Resp: 421

Ion Ratio Lower Upper

85 100

87 38.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

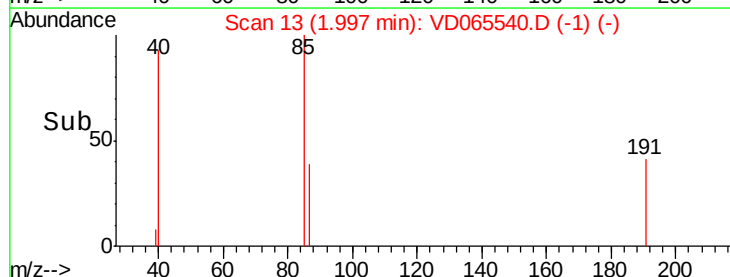
300

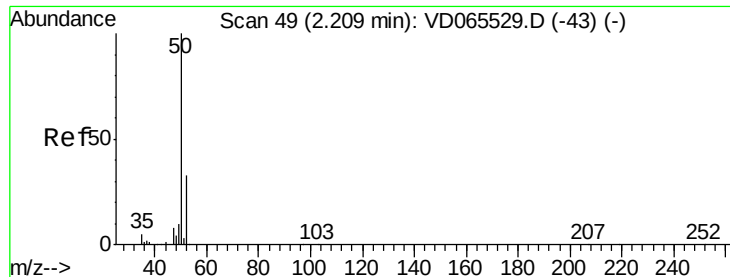
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Instrument :

MSVOA_D

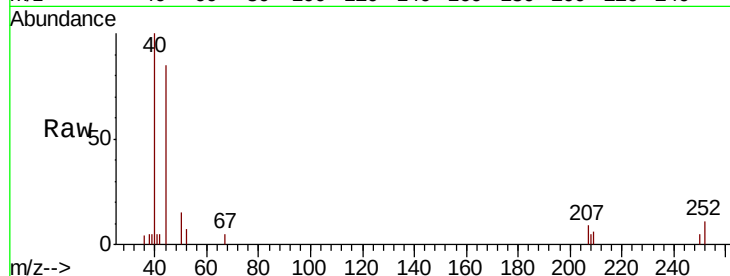
ClientSampleId :

Tot Ion: 50 Resp: 976

Ion Ratio Lower Upper

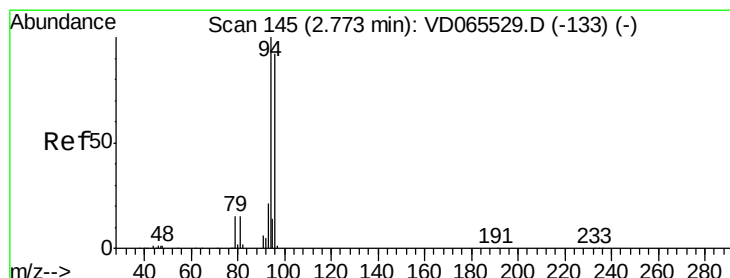
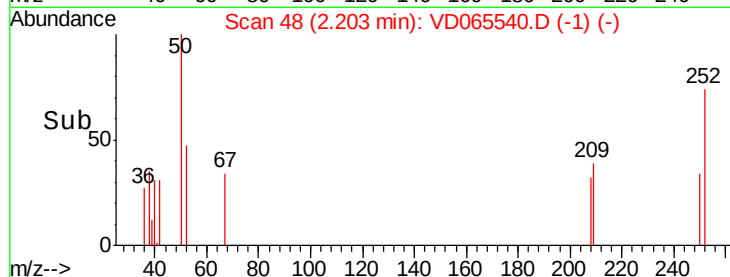
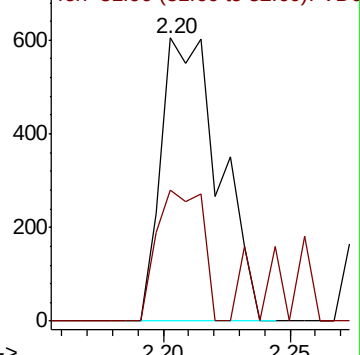
50 100

52 46.5 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065540.D

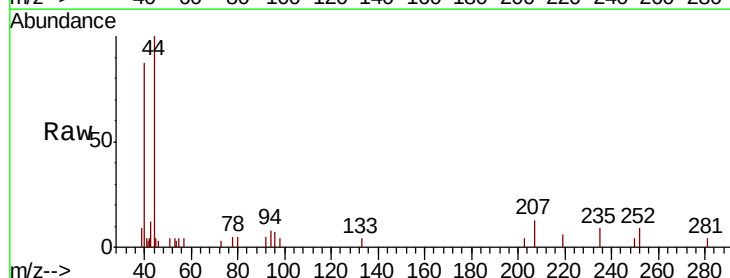
Acq: 27 Mar 2020 13:20

Tgt Ion: 94 Resp: 428

Ion Ratio Lower Upper

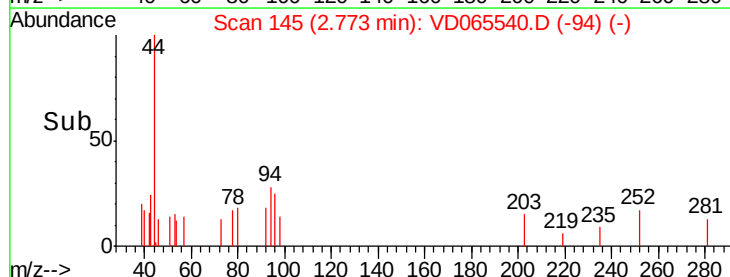
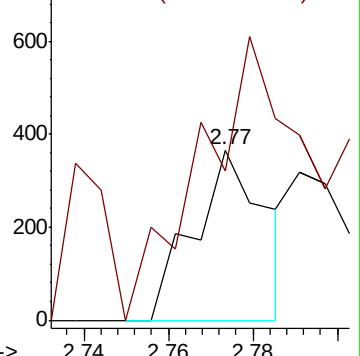
94 100

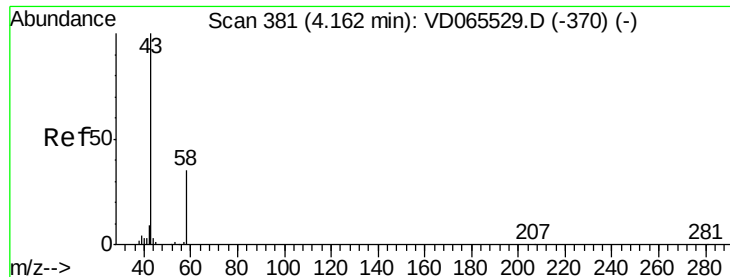
96 87.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 3.790 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Instrument :

MSVOA_D

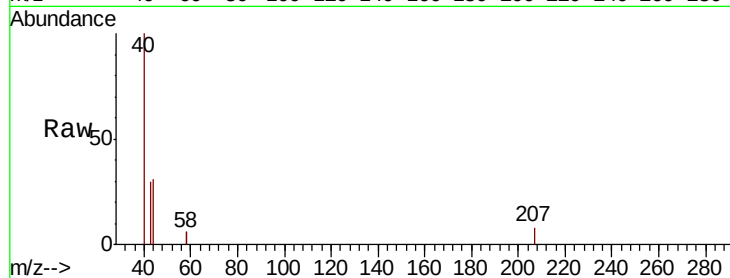
ClientSampled :

Tot Ion: 43 Resp: 2929

Ion Ratio Lower Upper

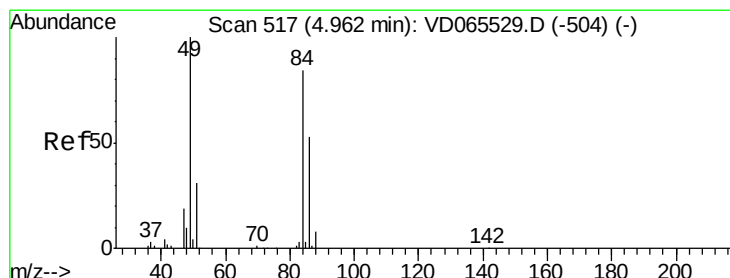
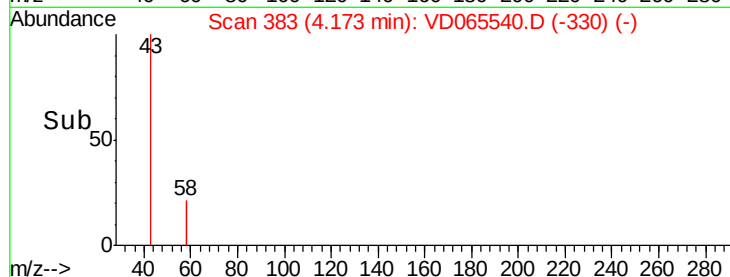
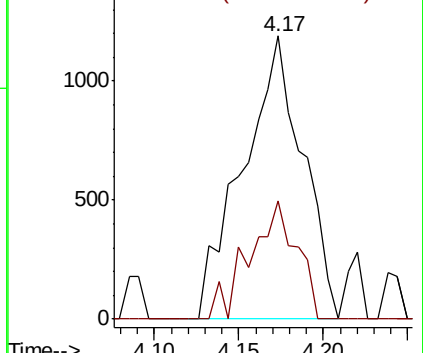
43 100

58 41.6 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Tgt Ion: 84 Resp: 10073

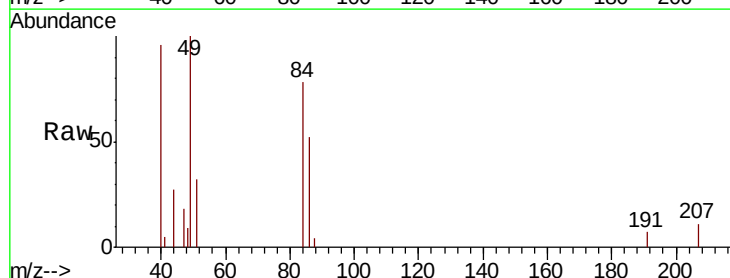
Ion Ratio Lower Upper

84 100

49 128.0 95.6 143.4

51 40.9 29.4 44.2

86 66.8 50.6 76.0

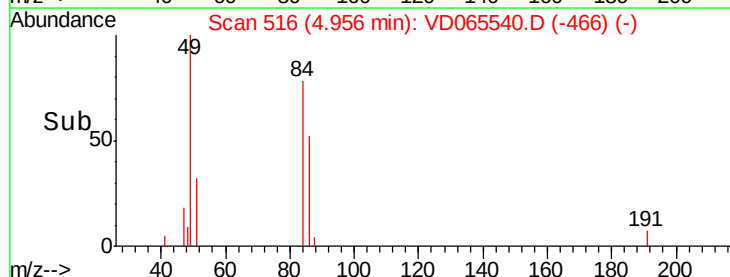
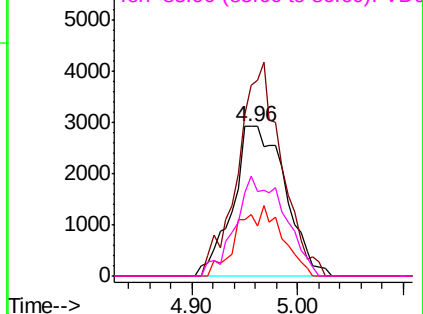


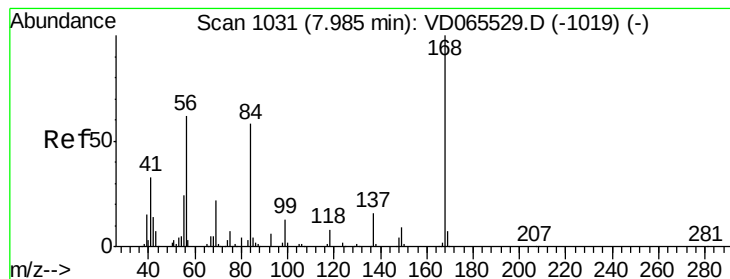
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.303 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

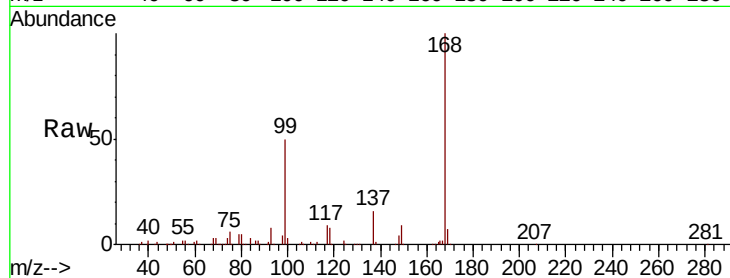
Tot Ion: 56 Resp: 10030

Ion Ratio Lower Upper

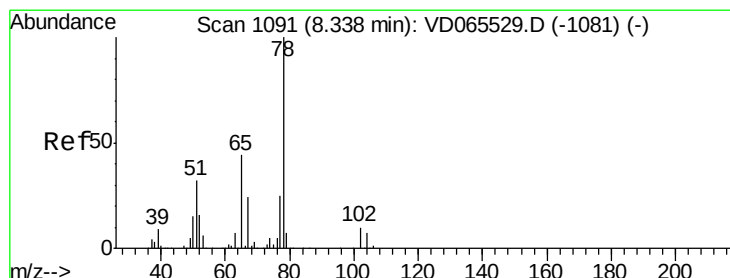
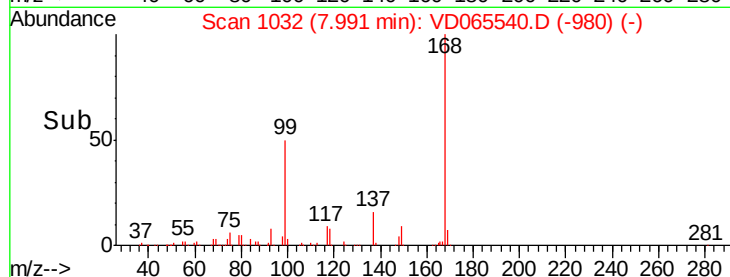
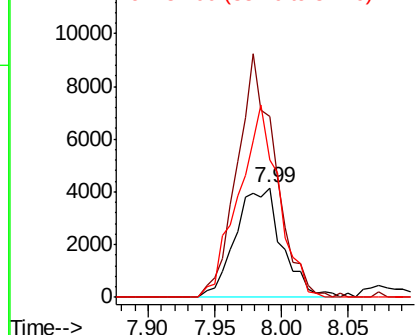
56 100

69 165.0 28.2 42.4#

84 125.7 73.4 110.0#



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: 60.490 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065540.D

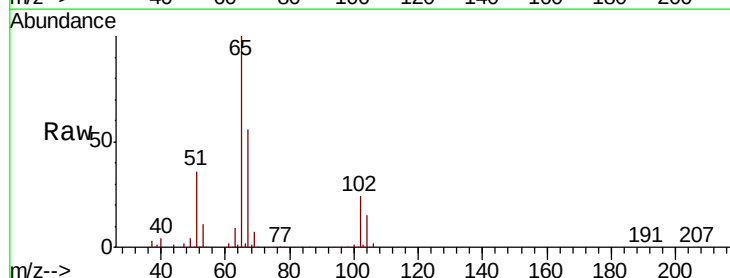
Acq: 27 Mar 2020 13:20

Tgt Ion: 65 Resp: 247733

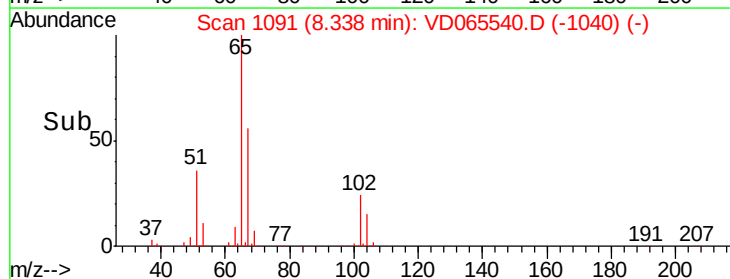
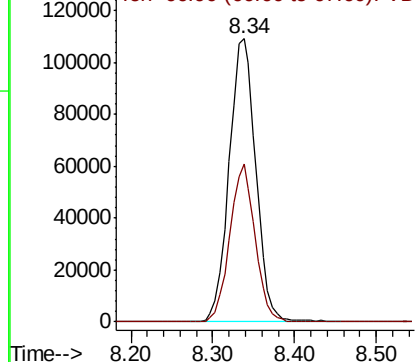
Ion Ratio Lower Upper

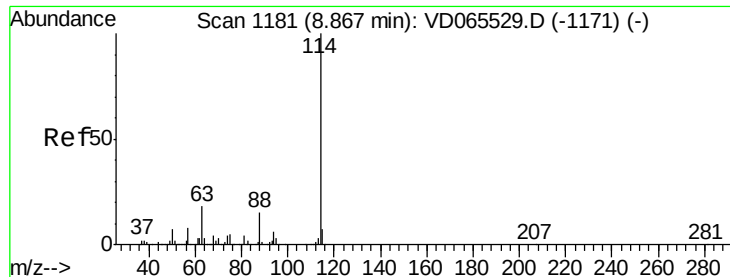
65 100

67 52.7 0.0 107.6



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

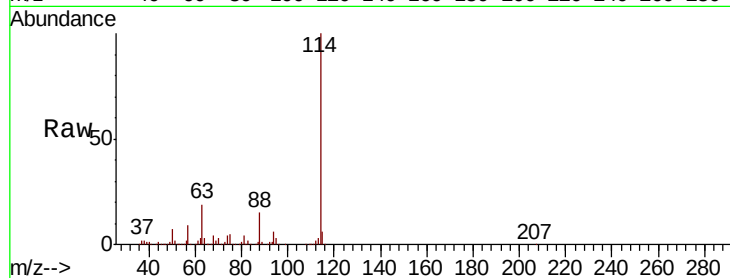




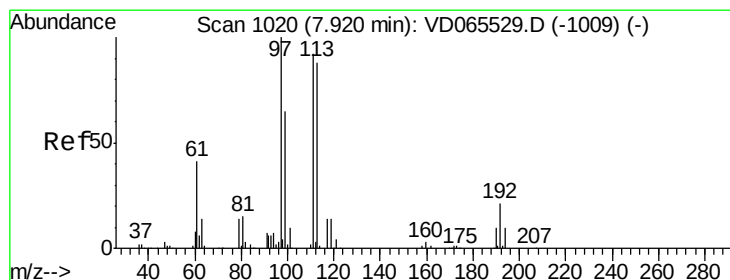
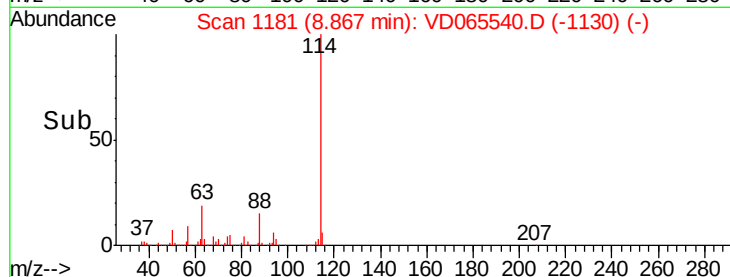
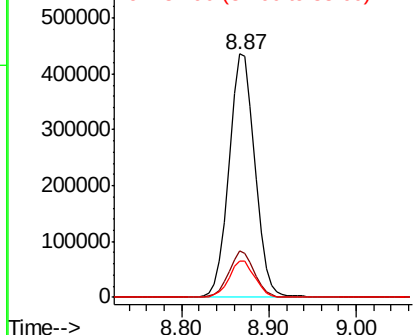
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065540.D
 Acq: 27 Mar 2020 13:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.0
88	14.7	0.0	30.4

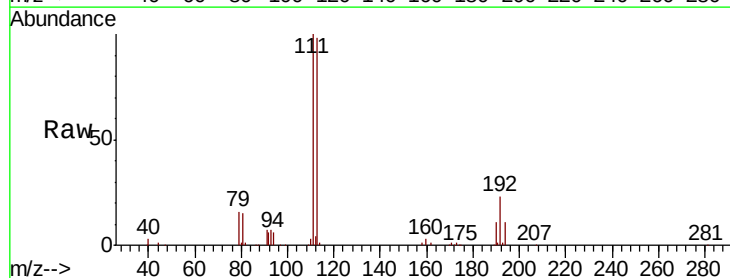


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

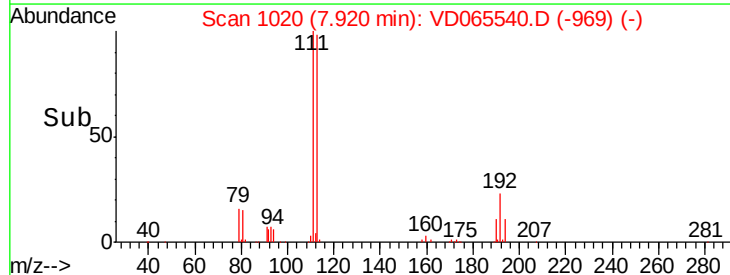
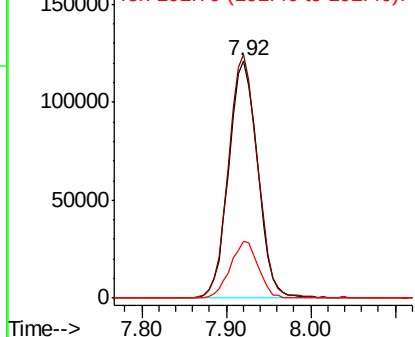


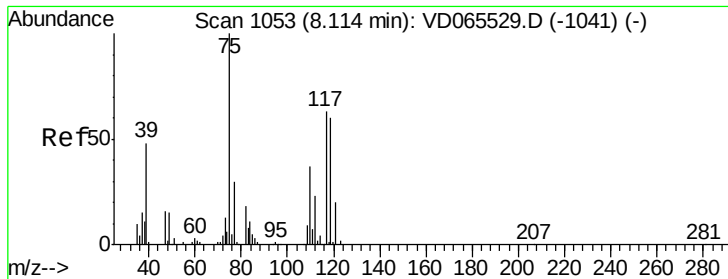
#35
 Dibromofluoromethane
 Concen: 52.882 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065540.D
 Acq: 27 Mar 2020 13:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	23.2	18.5	27.7



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

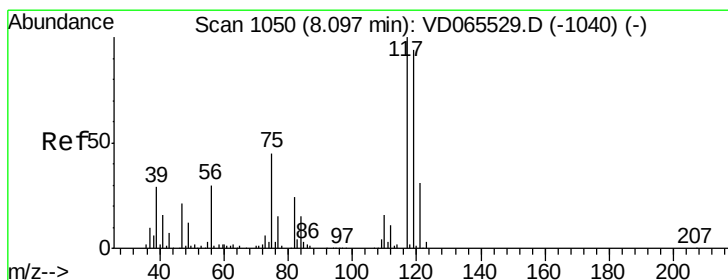
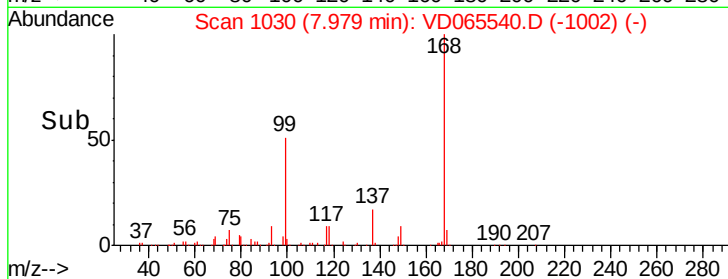
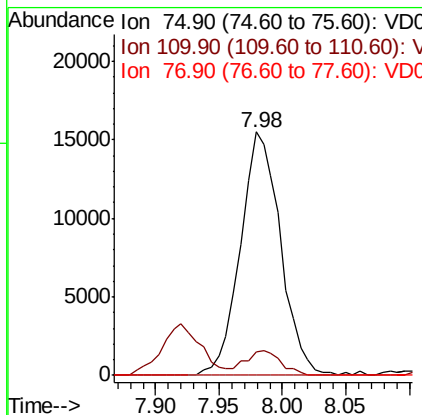
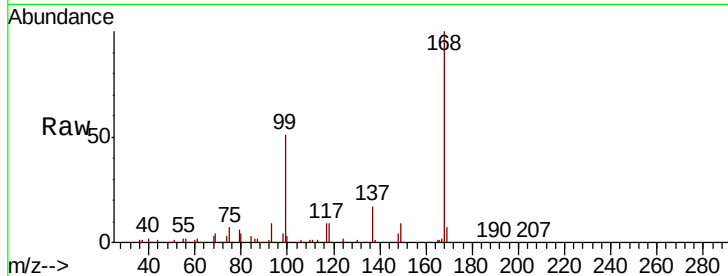




#36
 1,1-Dichloropropene
 Concen: 4.254 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065540.D
 Acq: 27 Mar 2020 13:20

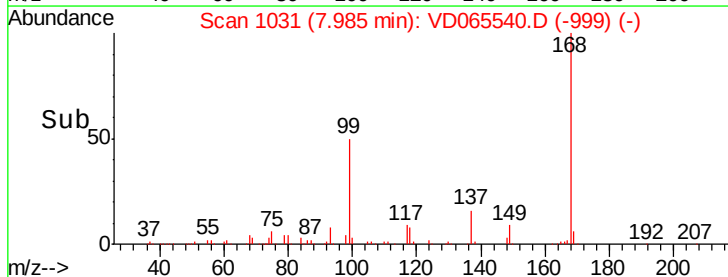
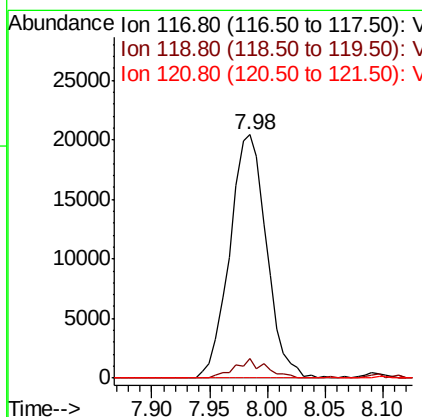
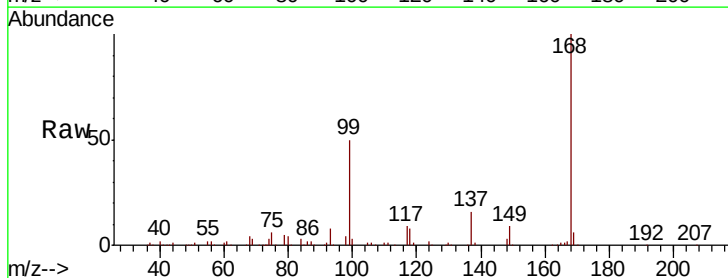
Instrument :
 MSVOA_D
 ClientSampleId :

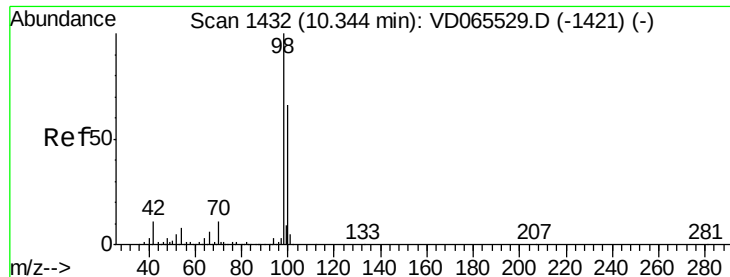
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.8	56.4#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.339 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065540.D
 Acq: 27 Mar 2020 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.9	75.2	112.8#
121	0.0	24.5	36.7#

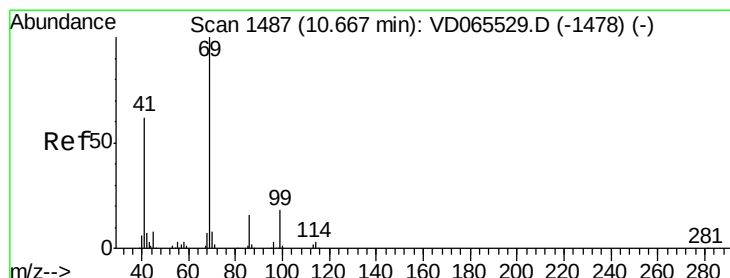
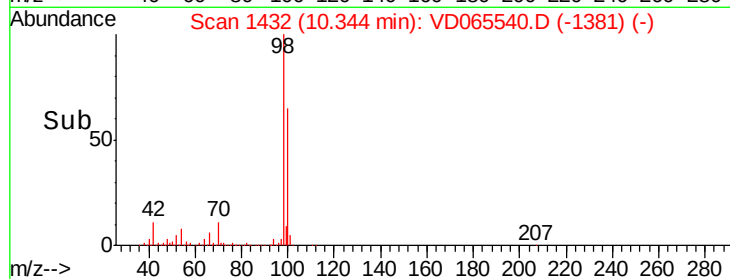
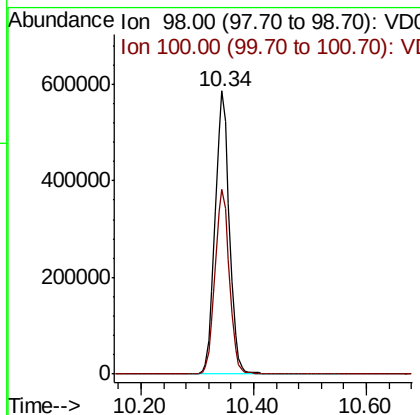
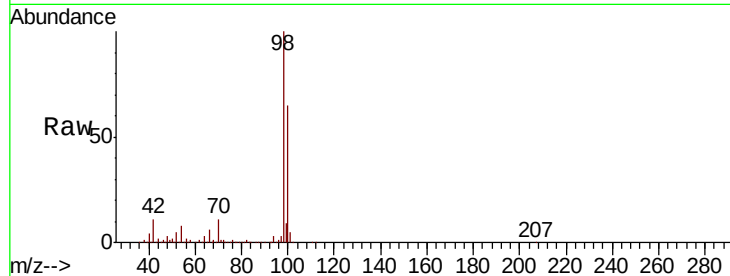




#50
Toluene-d8
Concen: 50.700 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

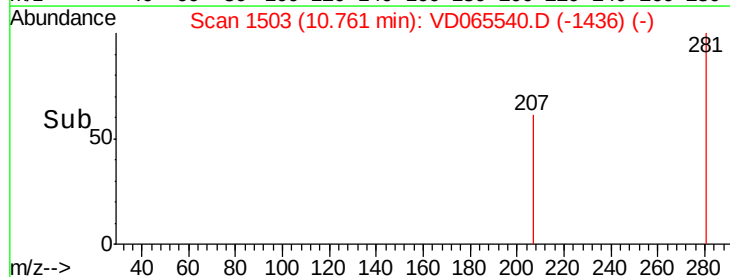
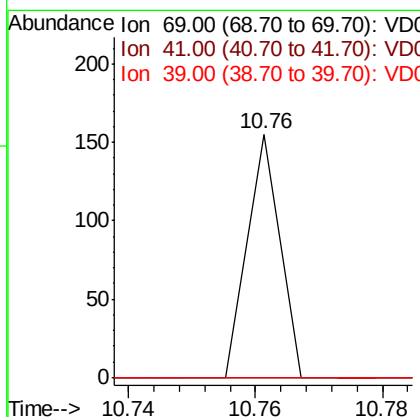
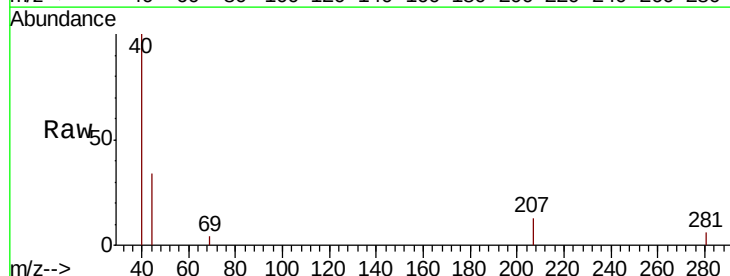
Instrument :
MSVOA_D
ClientSampleId :

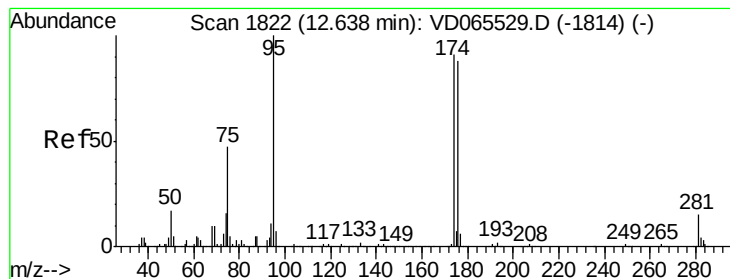
Tot Ion: 98 Resp: 1029957
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



#56
Ethyl methacrylate
Concen: 3.303 ug/l
RT: 10.76 min Scan# 1503
Delta R.T. 0.09 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 51.3 76.9#
39 0.0 25.3 37.9#





#62

4-Bromofluorobenzene

Concen: 52.362 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065540.D

Acq: 27 Mar 2020 13:20

Instrument :

MSVOA_D

ClientSampled :

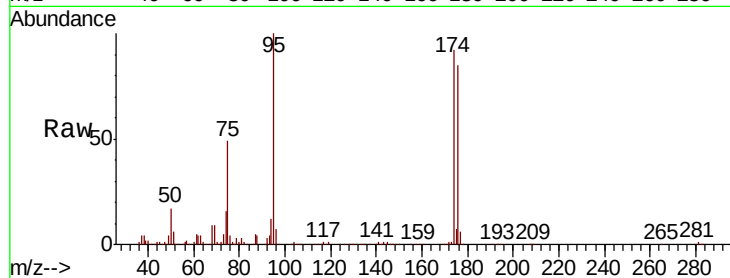
Tot Ion: 95 Resp: 337617

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.8

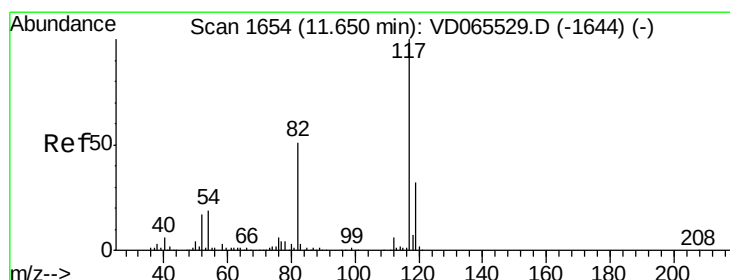
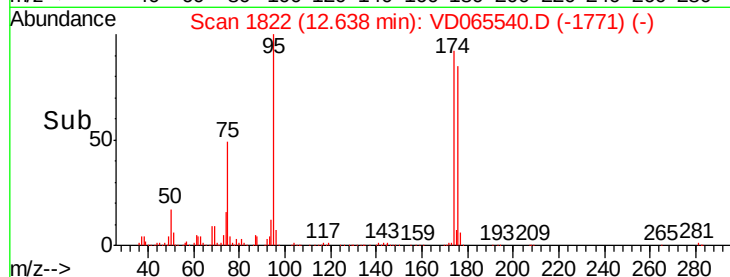
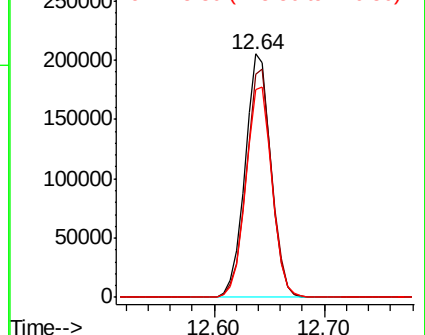
176 87.3 0.0 178.2



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: VD065540.D

Acq: 27 Mar 2020 13:20

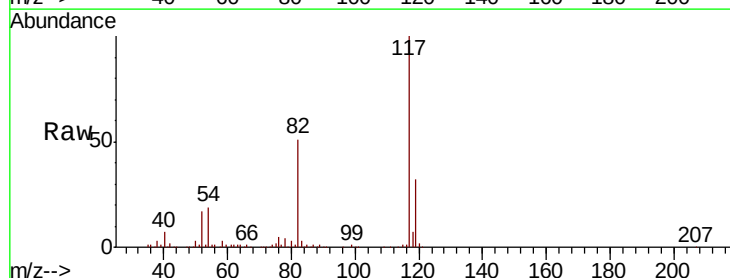
Tgt Ion: 117 Resp: 831210

Ion Ratio Lower Upper

117 100

82 51.2 41.0 61.6

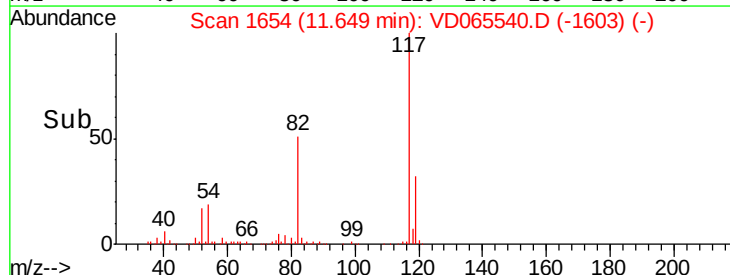
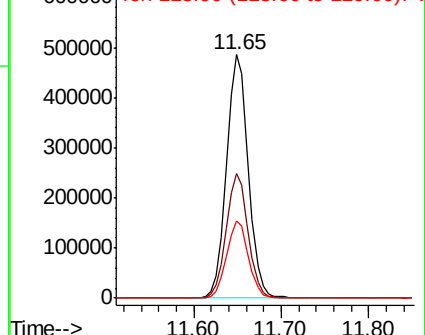
119 31.5 25.5 38.3

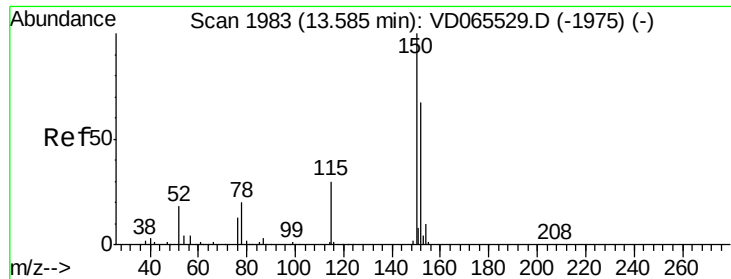


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



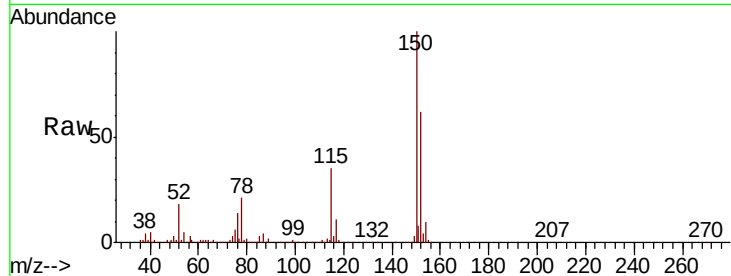


#72

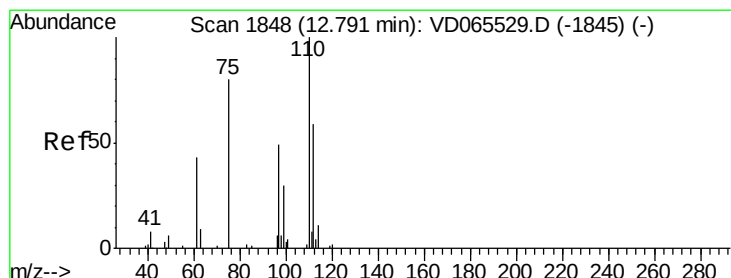
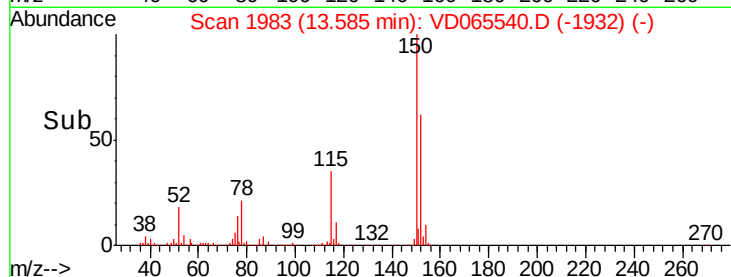
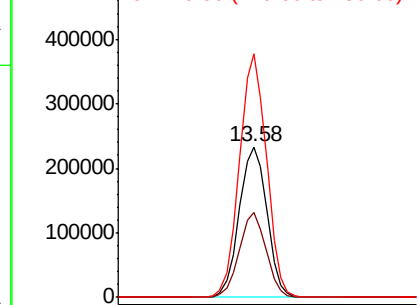
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 388274
Ion Ratio Lower Upper
152 100
115 54.5 27.2 81.6
150 157.8 0.0 340.2



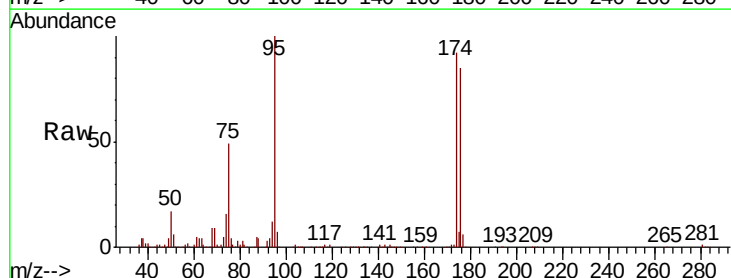
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



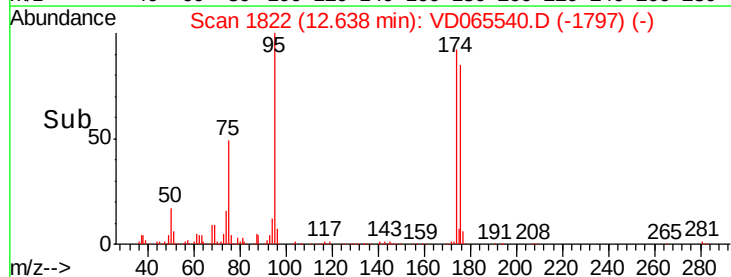
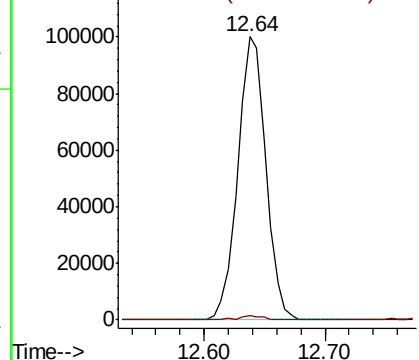
#76

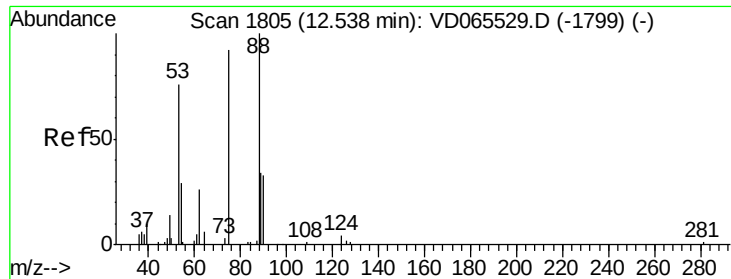
1,2,3-Trichloropropane
Concen: 54.278 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

Tgt Ion: 75 Resp: 162025
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

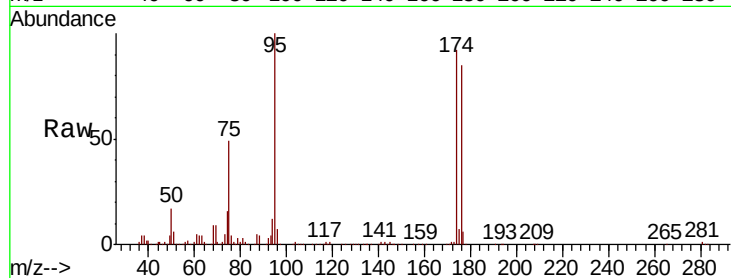




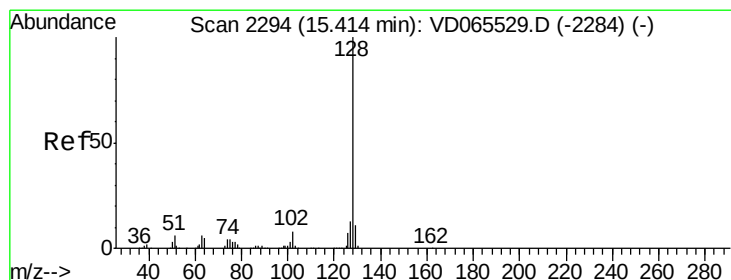
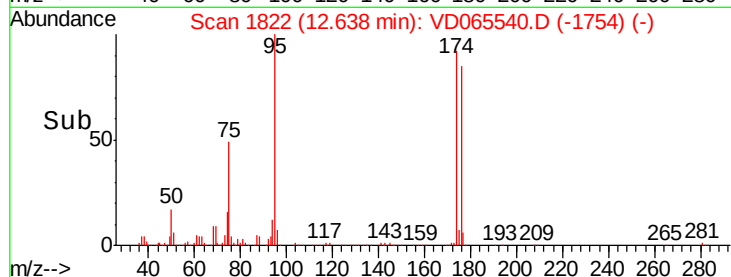
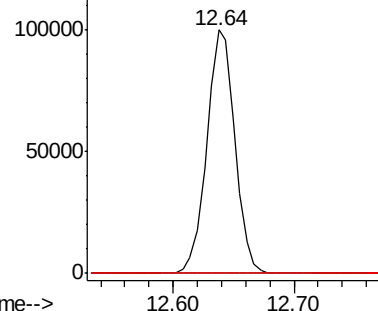
#81
trans-1,4-Dichloro-2-butene
Concen: 121.159 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 162025
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 36.9 55.3#

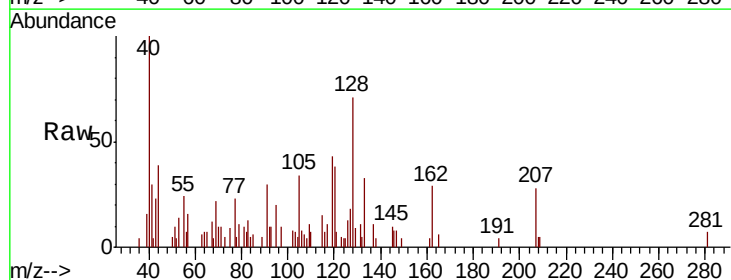


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 4.843 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065540.D
Acq: 27 Mar 2020 13:20

Tgt Ion:128 Resp: 6837
Ion Ratio Lower Upper
128 100
127 16.4 10.4 15.6#
129 4.9 8.7 13.1#



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

