

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065535.D
 Acq On : 27 Mar 2020 10:49
 Operator : VA/SY
 Sample : VD0327SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:31:27 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	447238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281986	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	216411	58.13	ug/l	0.00
Spiked Amount			Recovery	=	116.26%	
35) Dibromofluoromethane	7.92	113	228198	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.34	98	841434	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	237816	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

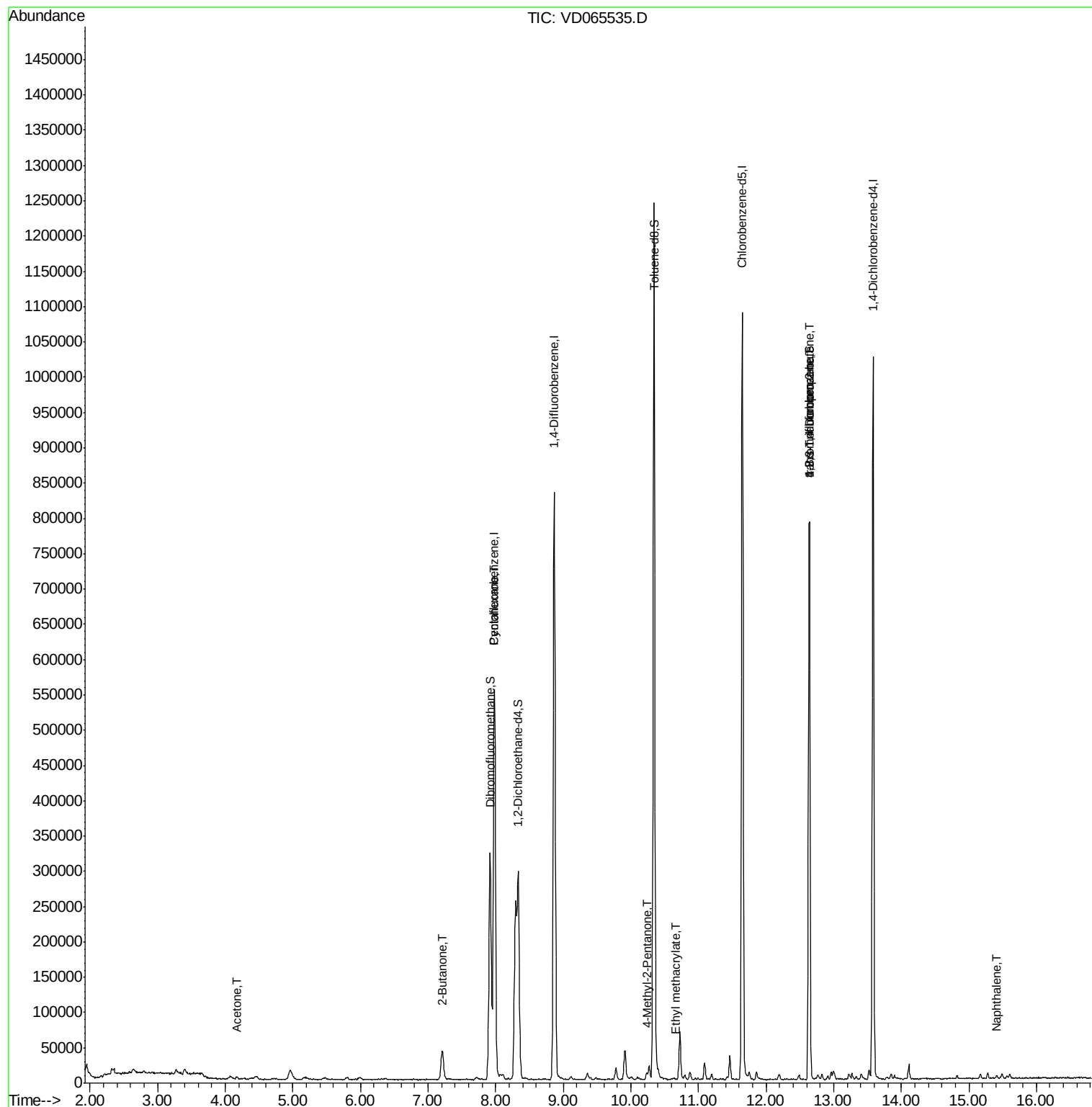
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2860	Below Cal		76
3) Chloromethane	2.21	50	1807	Below Cal	#	84
5) Bromomethane	2.79	94	1512	Below Cal		95
16) Acetone	4.17	43	4750	6.762	ug/l #	76
20) Methylene Chloride	4.96	84	10267	Below Cal		88
25) 2-Butanone	7.21	43	3227	3.383	ug/l #	83
31) Cyclohexane	7.97	56	10331	1.476	ug/l #	2
51) 4-Methyl-2-Pentanone	10.24	43	7827	3.404	ug/l	91
56) Ethyl methacrylate	10.66	69	99	3.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	115269	53.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115269	118.685	ug/l #	13
95) Naphthalene	15.41	128	4073	4.750	ug/l	97

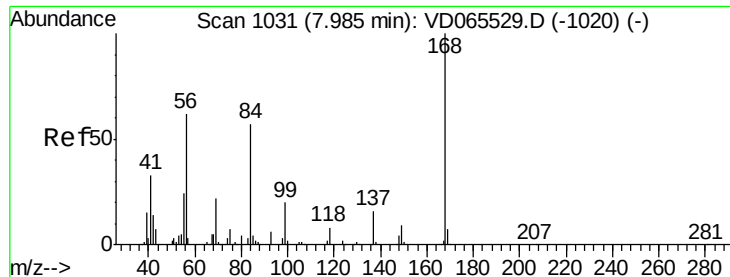
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

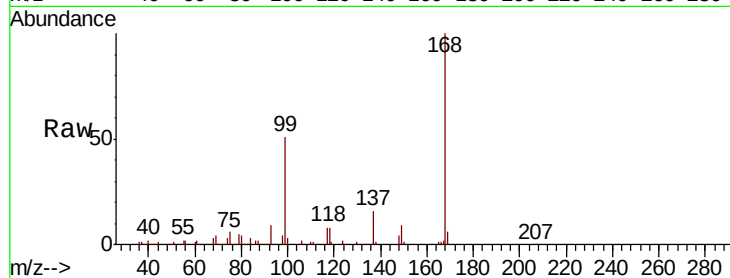
ClientSampleId :

Tot Ion:168 Resp: 447238

Ion Ratio Lower Upper

168 100

99 50.5 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

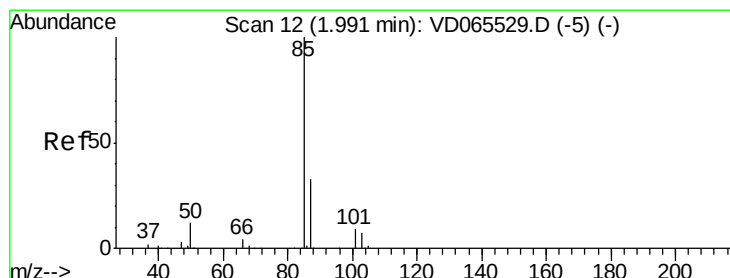
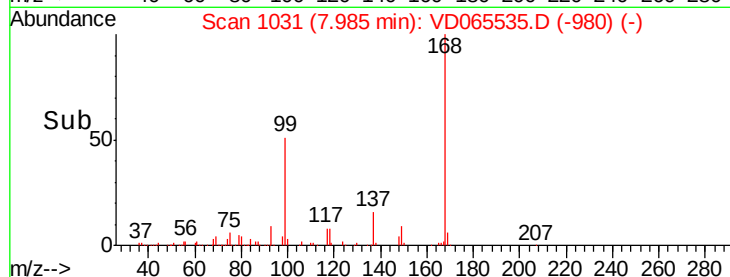
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065535.D

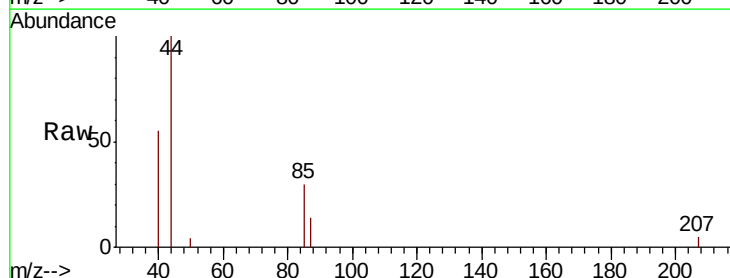
Acq: 27 Mar 2020 10:49

Tgt Ion: 85 Resp: 2860

Ion Ratio Lower Upper

85 100

87 46.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

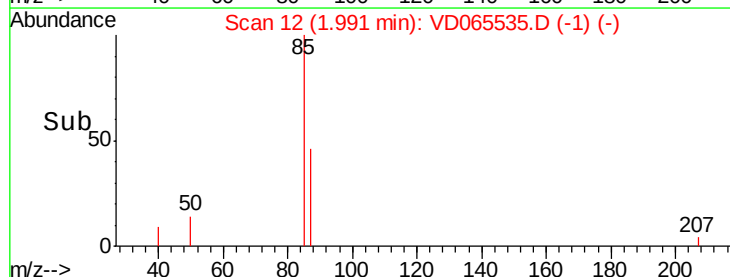
1500

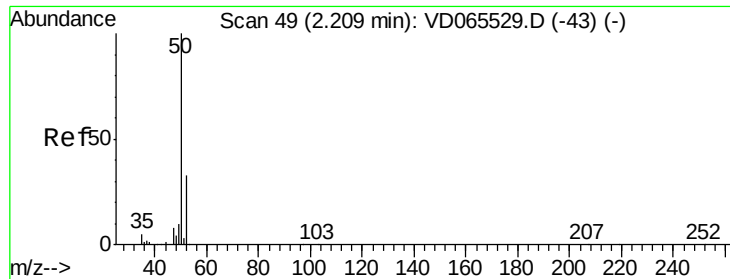
1000

500

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

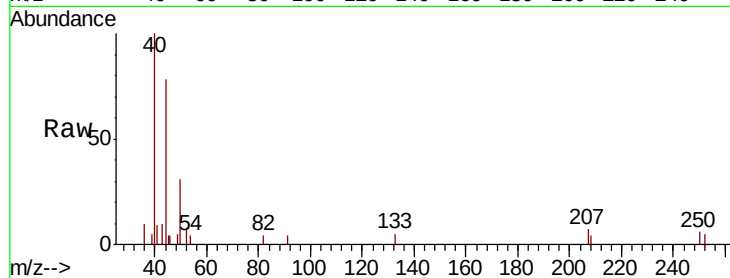
ClientSampleId :

Tot Ion: 50 Resp: 1807

Ion Ratio Lower Upper

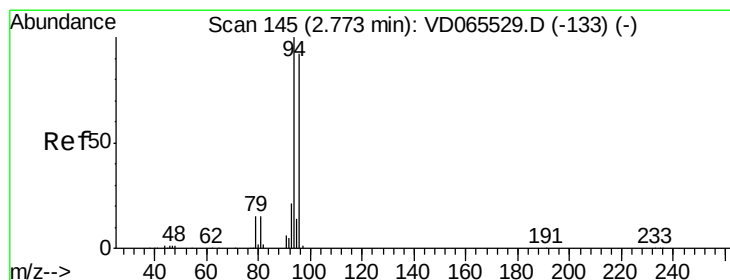
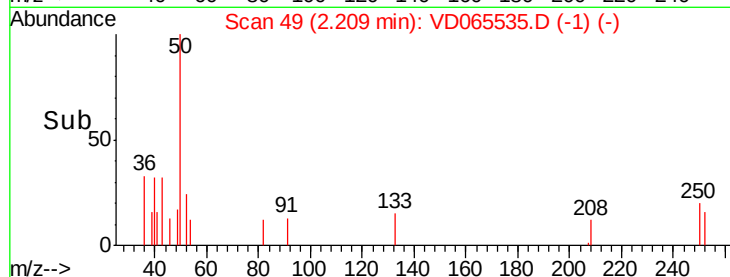
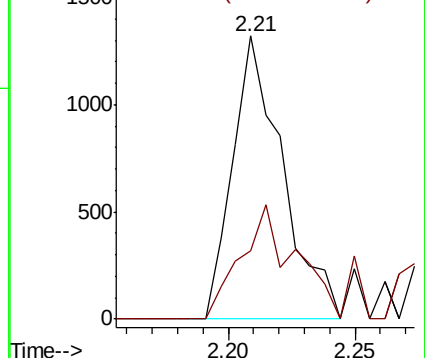
50 100

52 23.9 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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065535.D

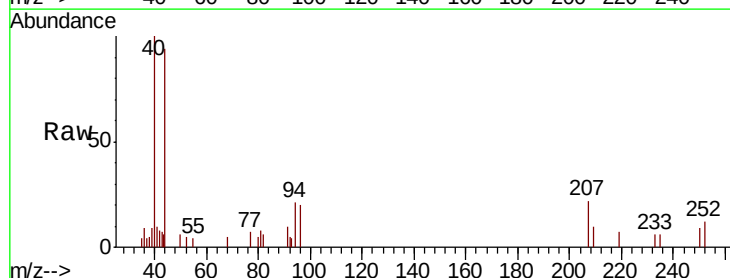
Acq: 27 Mar 2020 10:49

Tgt Ion: 94 Resp: 1512

Ion Ratio Lower Upper

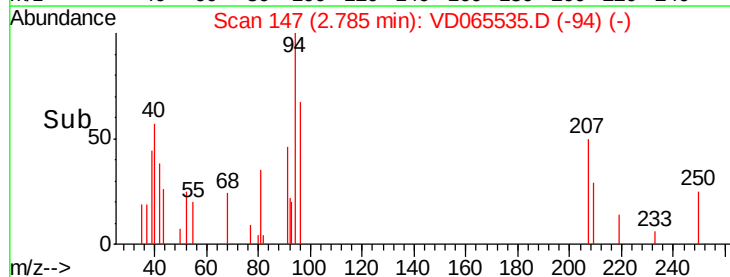
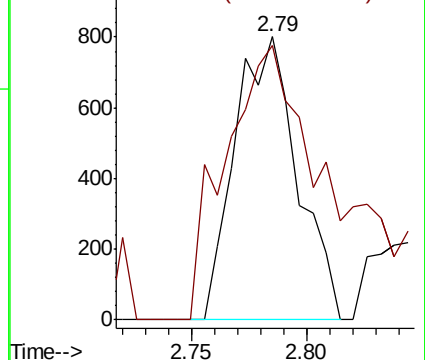
94 100

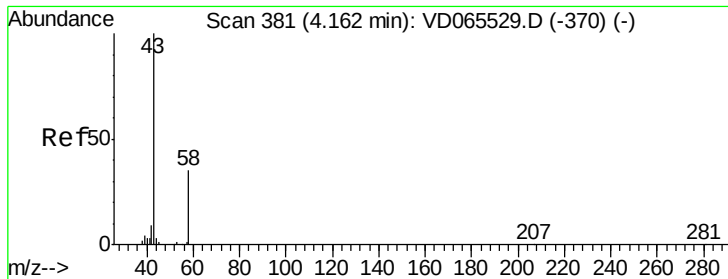
96 96.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

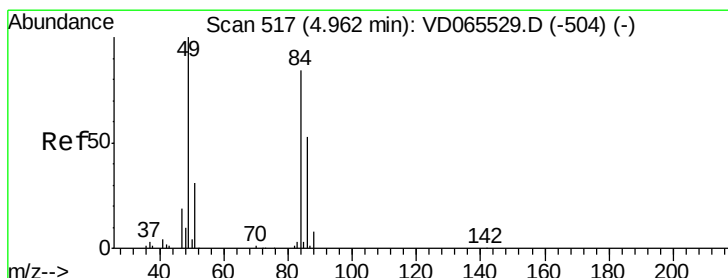
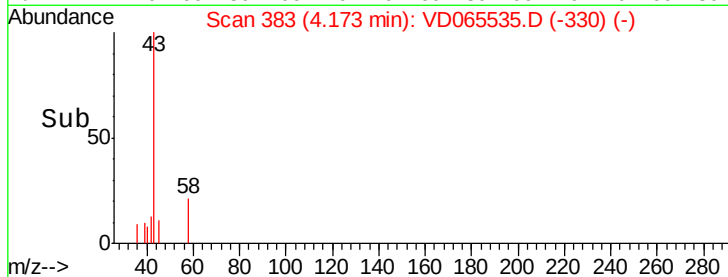
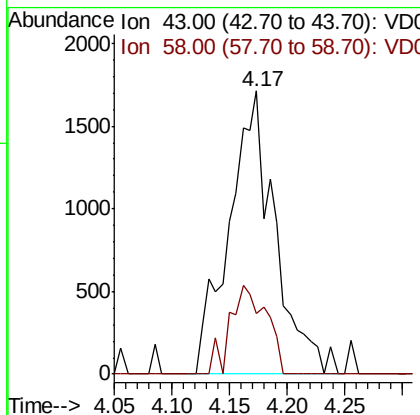
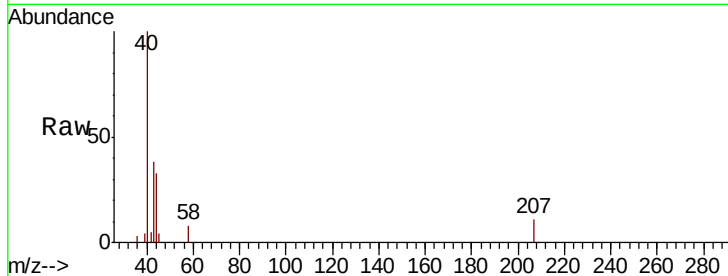




#16
Acetone
Concen: 6.762 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

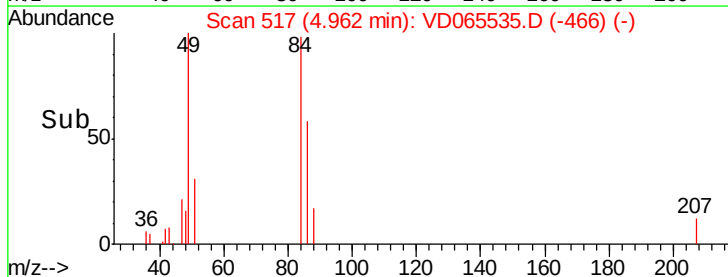
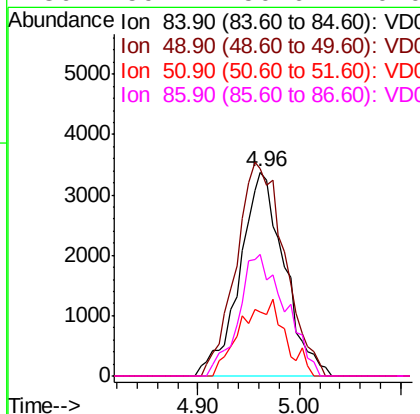
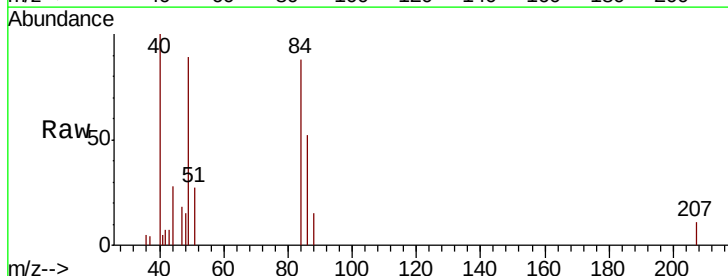
Instrument :
MSVOA_D
ClientSampleId :

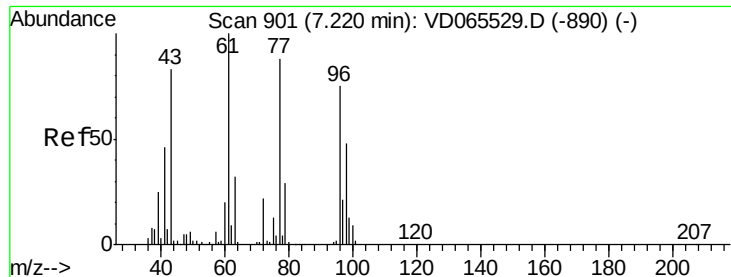
Tot Ion: 43 Resp: 4750
Ion Ratio Lower Upper
43 100
58 21.3 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 84 Resp: 10267
Ion Ratio Lower Upper
84 100
49 101.9 95.6 143.4
51 31.2 29.4 44.2
86 59.4 50.6 76.0





#25

2-Butanone

Concen: 3.383 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

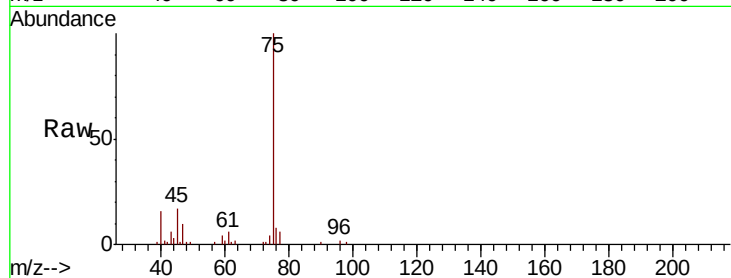
ClientSampled :

Tot Ion: 43 Resp: 3227

Ion Ratio Lower Upper

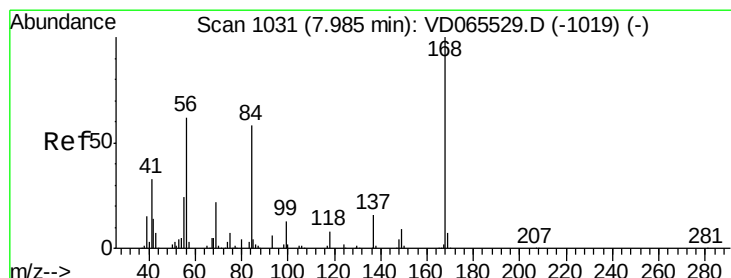
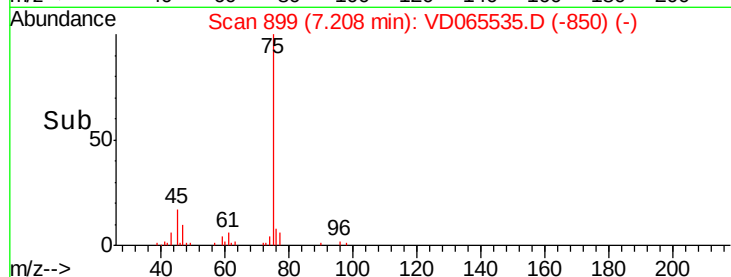
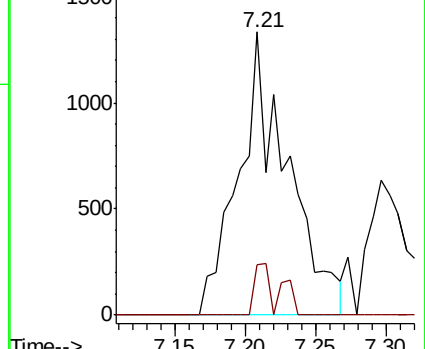
43 100

72 17.9 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.476 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

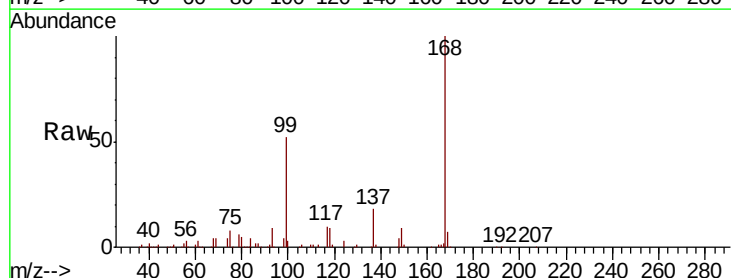
Tgt Ion: 56 Resp: 10331

Ion Ratio Lower Upper

56 100

69 160.2 28.2 42.4#

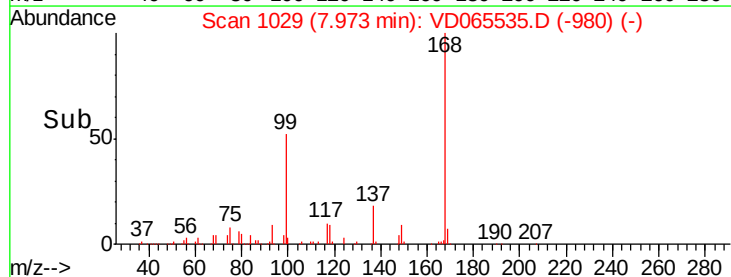
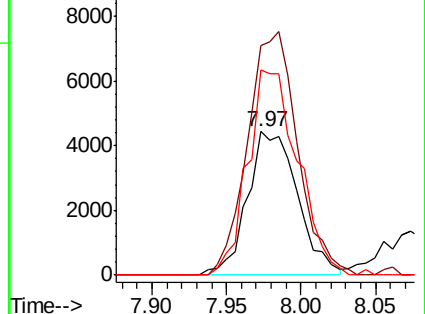
84 143.0 73.4 110.0#

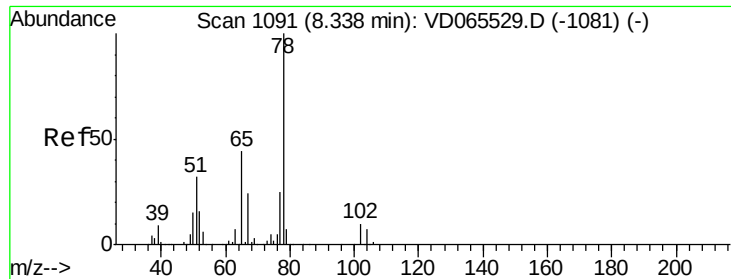


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

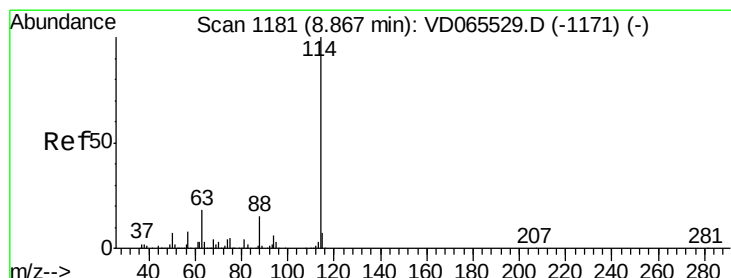
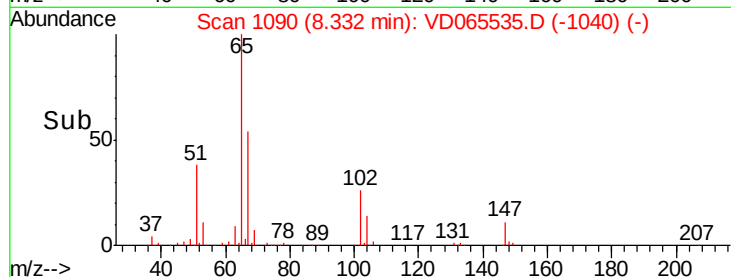
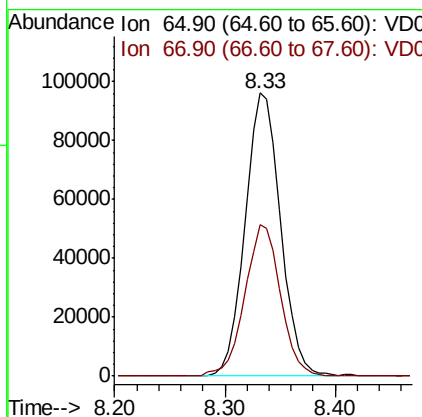
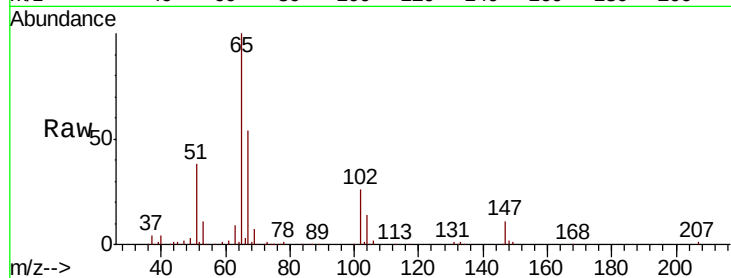




#33
 1,2-Dichloroethane-d4
 Concen: 58.129 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065535.D
 Acq: 27 Mar 2020 10:49

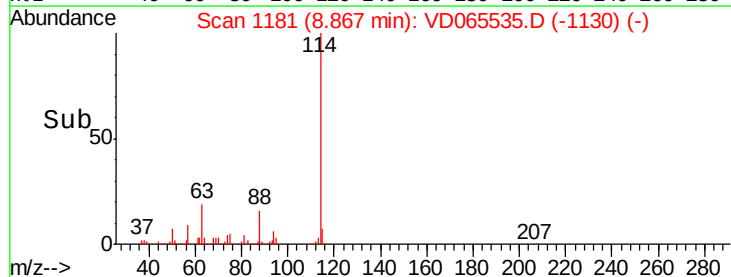
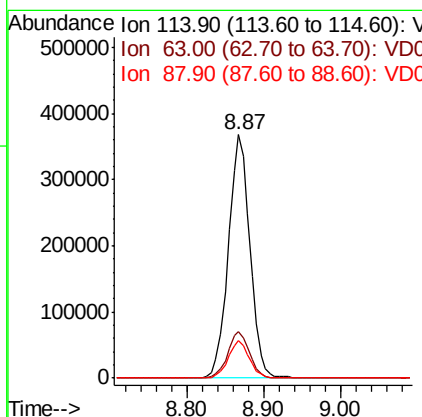
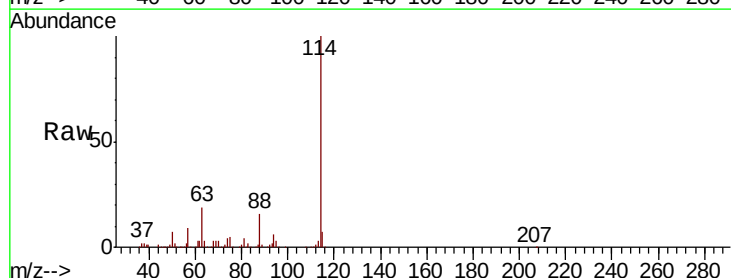
Instrument :
 MSVOA_D
 ClientSampled :

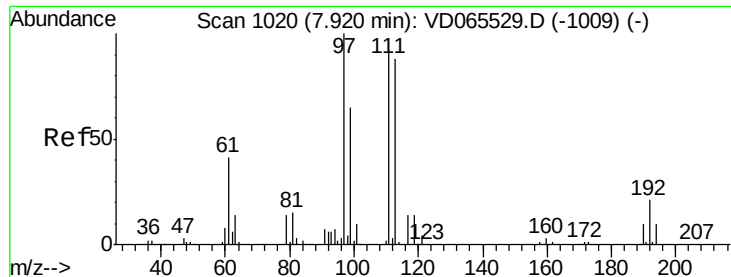
Tot Ion: 65 Resp: 216411
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065535.D
 Acq: 27 Mar 2020 10:49

Tgt Ion: 114 Resp: 717400
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.0
 88 15.6 0.0 30.4

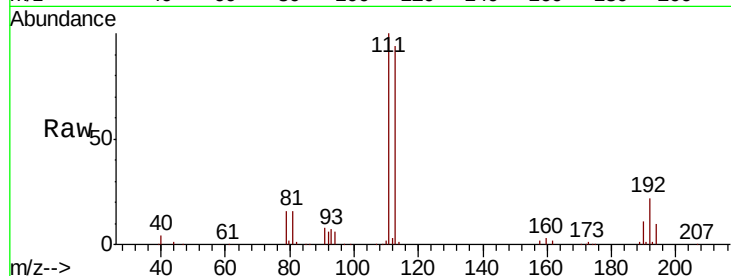




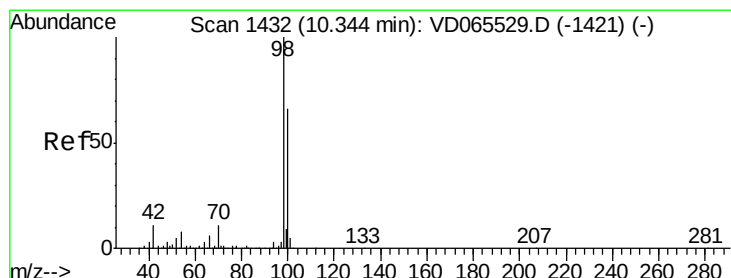
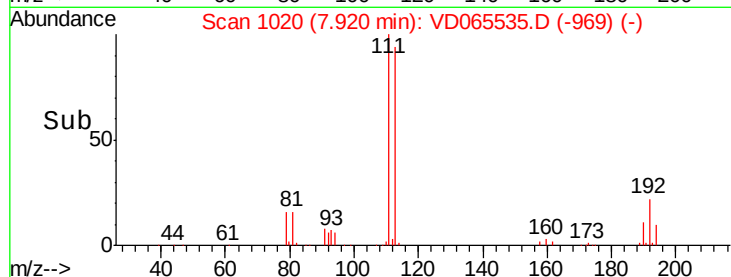
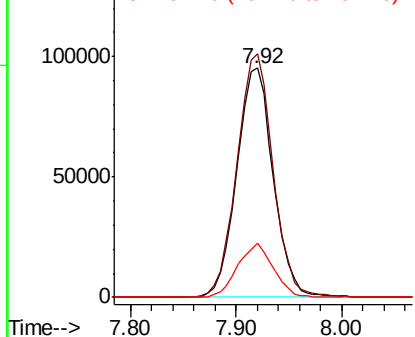
#35
Dibromofluoromethane
Concen: 51.534 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.3	124.9
192	22.9	18.5	27.7

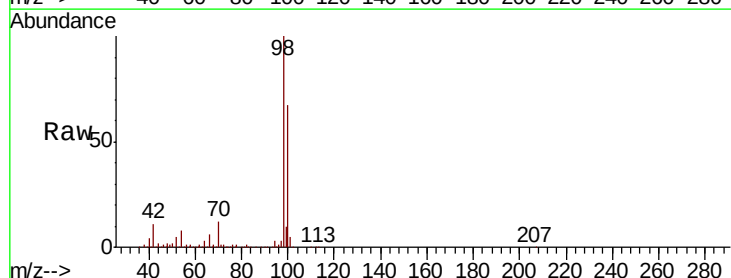


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

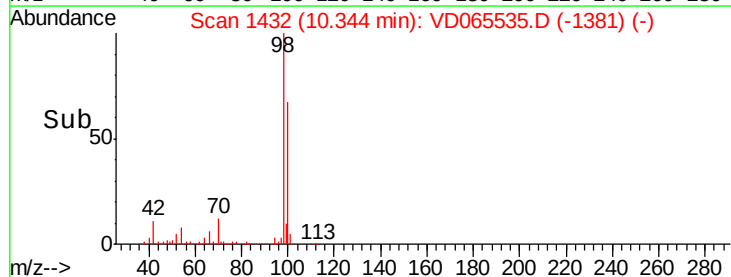
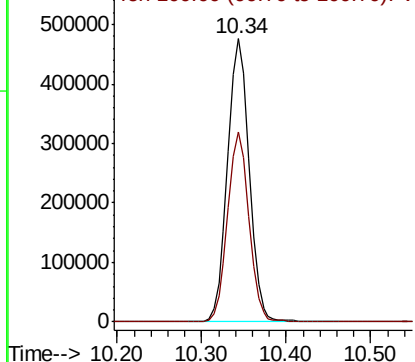


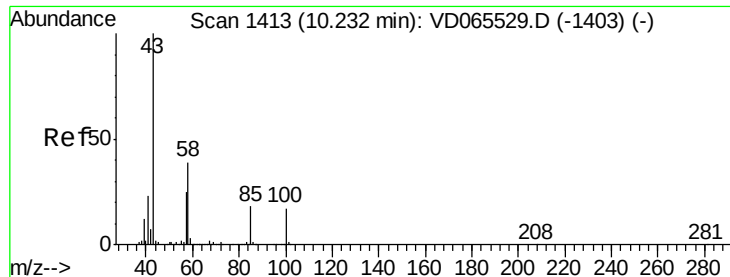
#50
Toluene-d8
Concen: 50.614 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2



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: 3.404 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

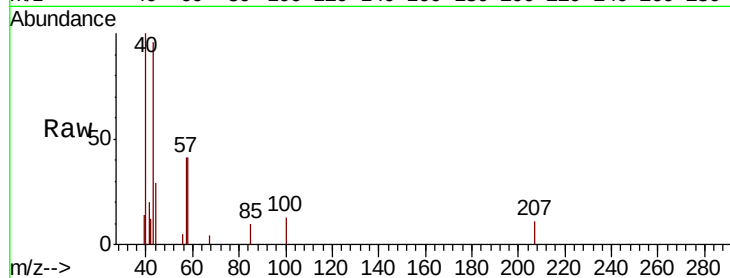
ClientSampleId :

Tot Ion: 43 Resp: 7827

Ion Ratio Lower Upper

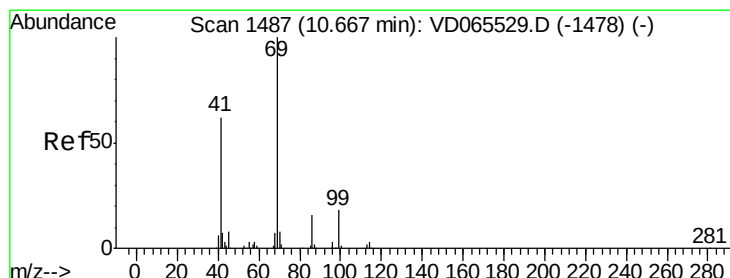
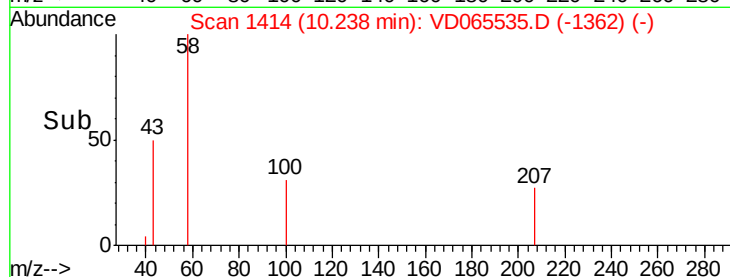
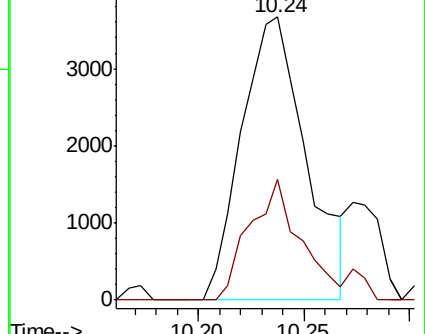
43 100

58 33.5 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#56

Ethyl methacrylate

Concen: 3.315 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

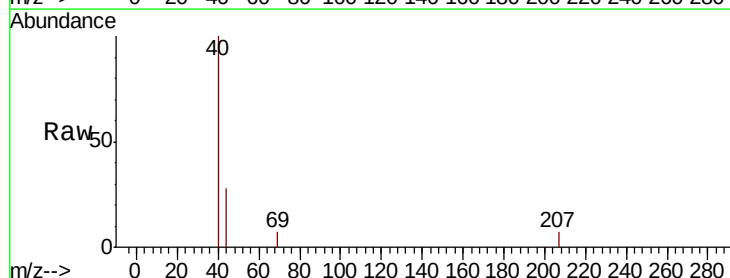
Tgt Ion: 69 Resp: 99

Ion Ratio Lower Upper

69 100

41 241.4 51.3 76.9#

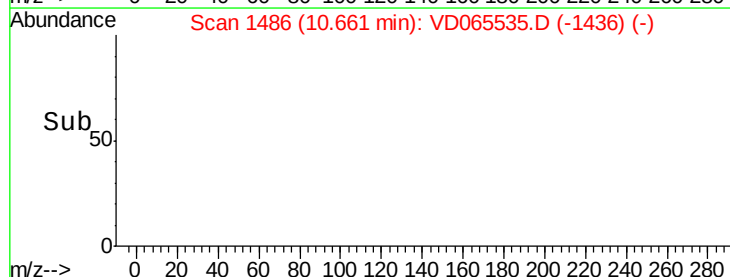
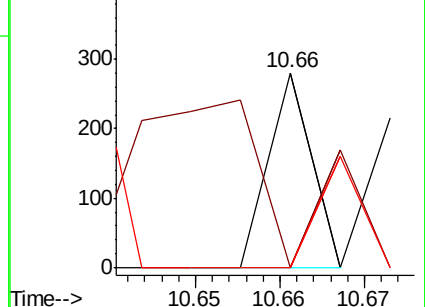
39 56.6 25.3 37.9#

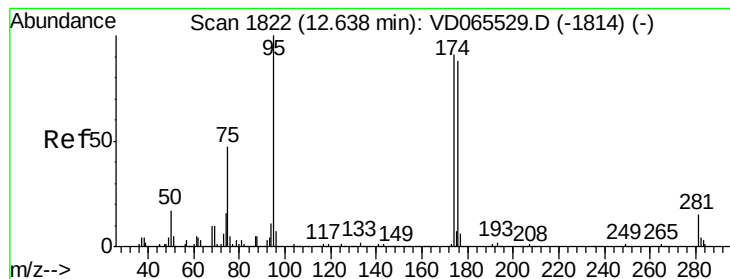


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#62

4-Bromofluorobenzene

Concen: 45.071 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

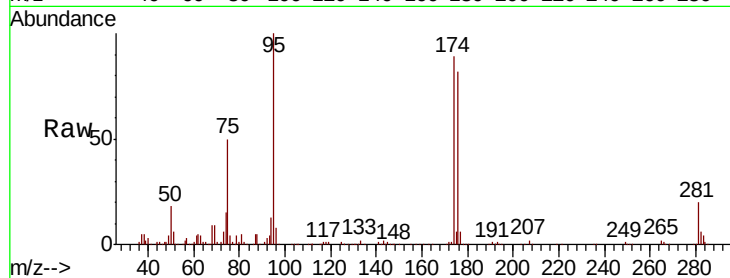
Tot Ion: 95 Resp: 237816

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.8

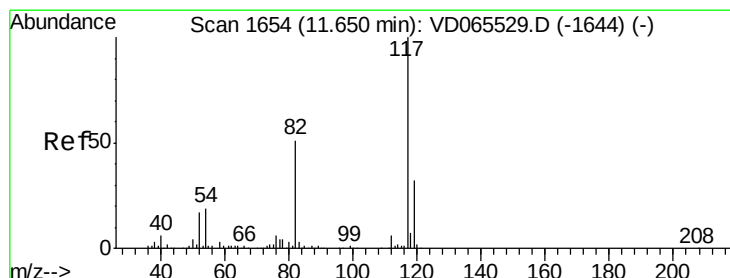
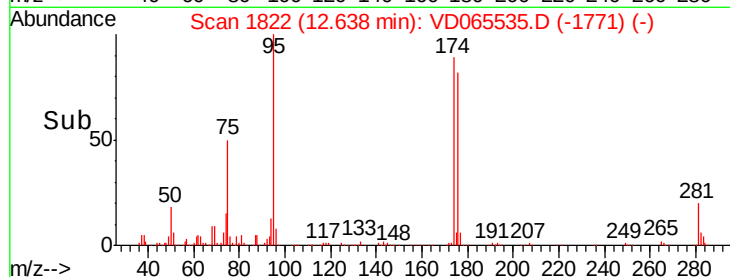
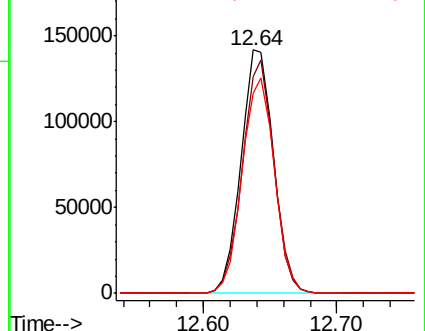
176 88.2 0.0 178.2



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: VD065535.D

Acq: 27 Mar 2020 10:49

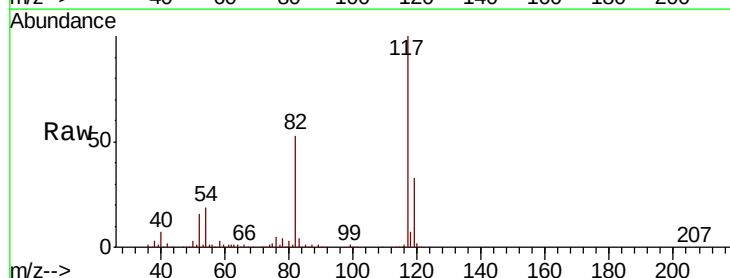
Tgt Ion: 117 Resp: 652678

Ion Ratio Lower Upper

117 100

82 53.4 41.0 61.6

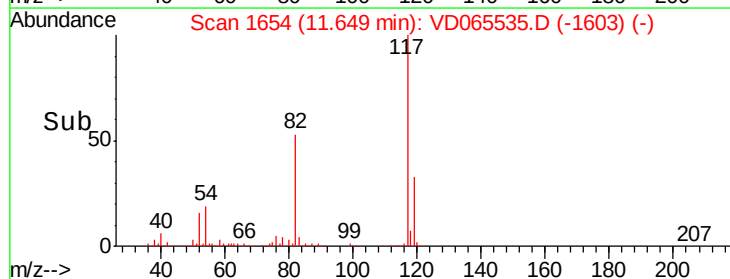
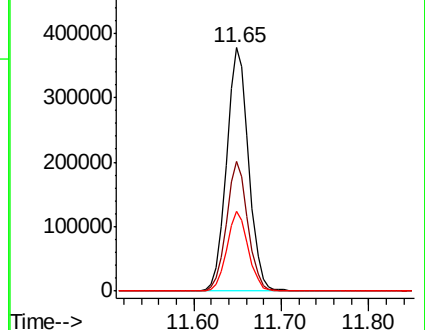
119 32.6 25.5 38.3

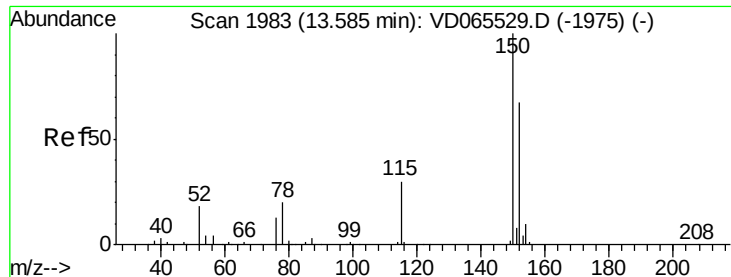


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

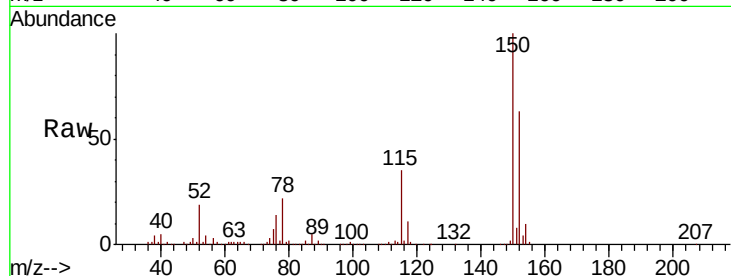




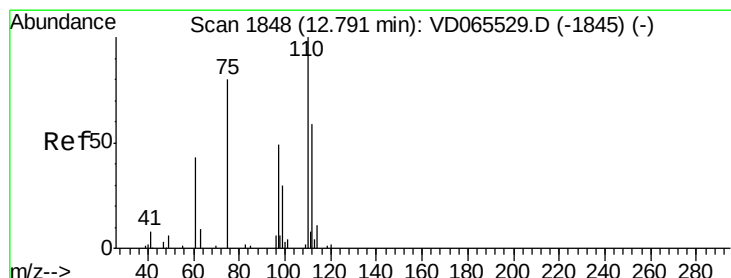
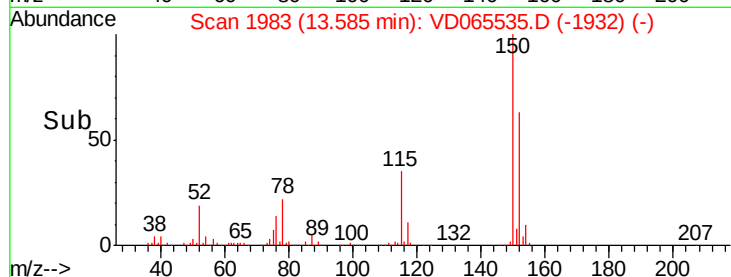
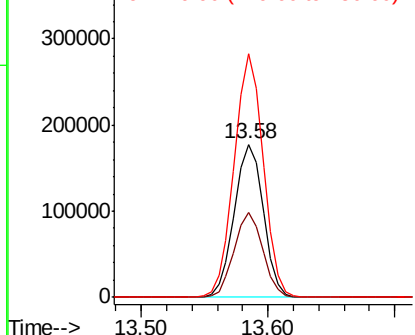
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VD065535.D
 Acq: 27 Mar 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 281986
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.2 81.6
 150 158.6 0.0 340.2

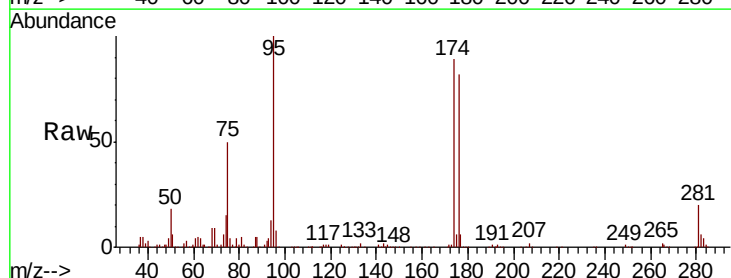


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

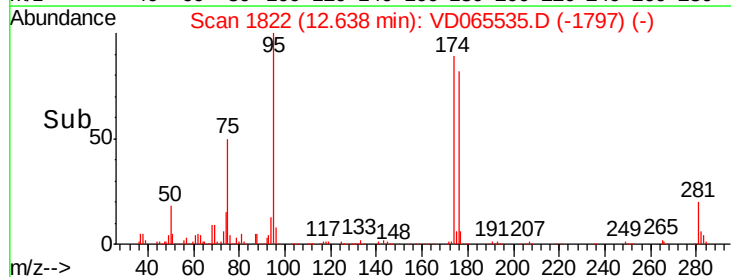
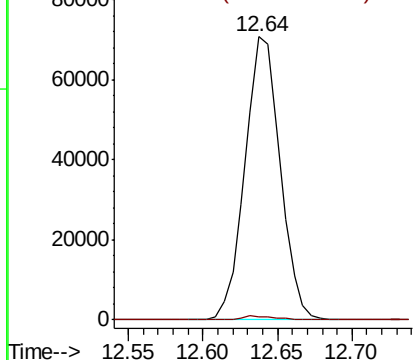


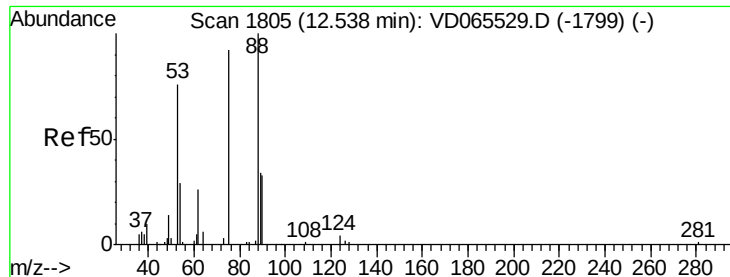
#76
 1,2,3-Trichloropropane
 Concen: 53.170 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065535.D
 Acq: 27 Mar 2020 10:49

Tgt Ion: 75 Resp: 115269
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 118.685 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

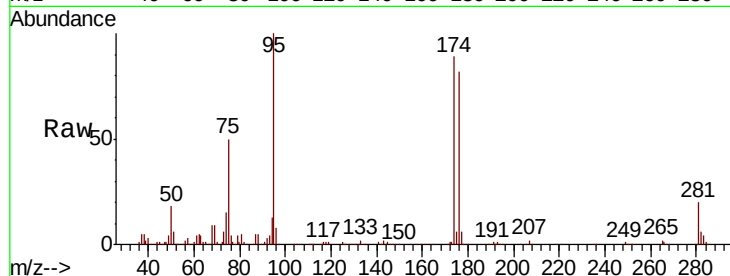
Tot Ion: 75 Resp: 115269

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

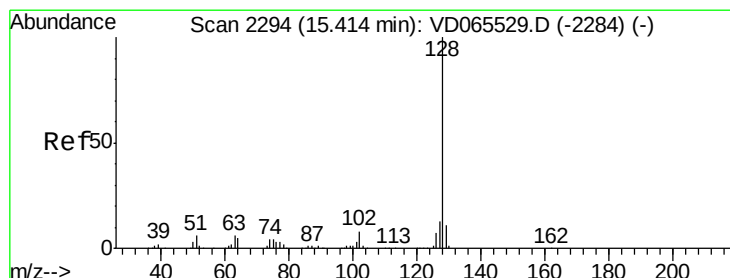
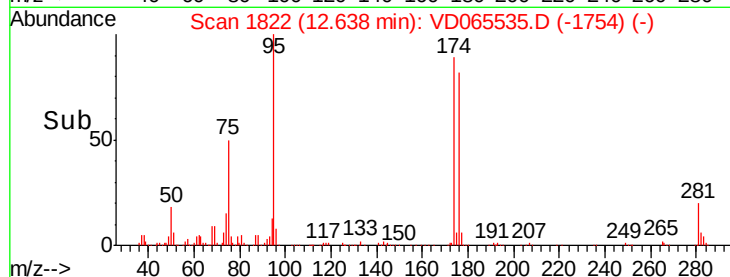
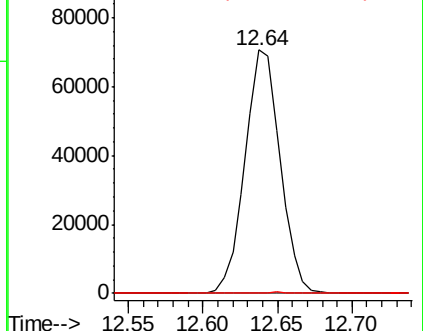
89 0.2 36.9 55.3#



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: 4.750 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065535.D

Acq: 27 Mar 2020 10:49

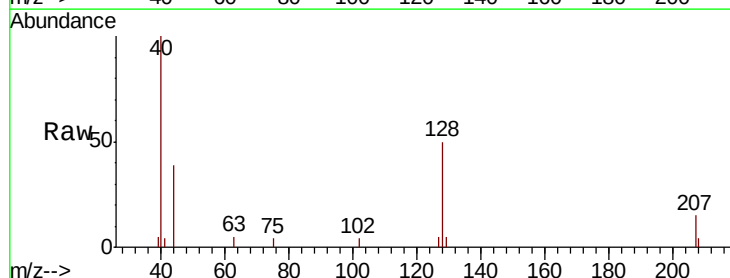
Tgt Ion:128 Resp: 4073

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 9.1 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

