

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065550.D
 Acq On : 27 Mar 2020 18:07
 Operator : VA/SY
 Sample : L2052-01RE
 Misc : 5.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:36:02 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

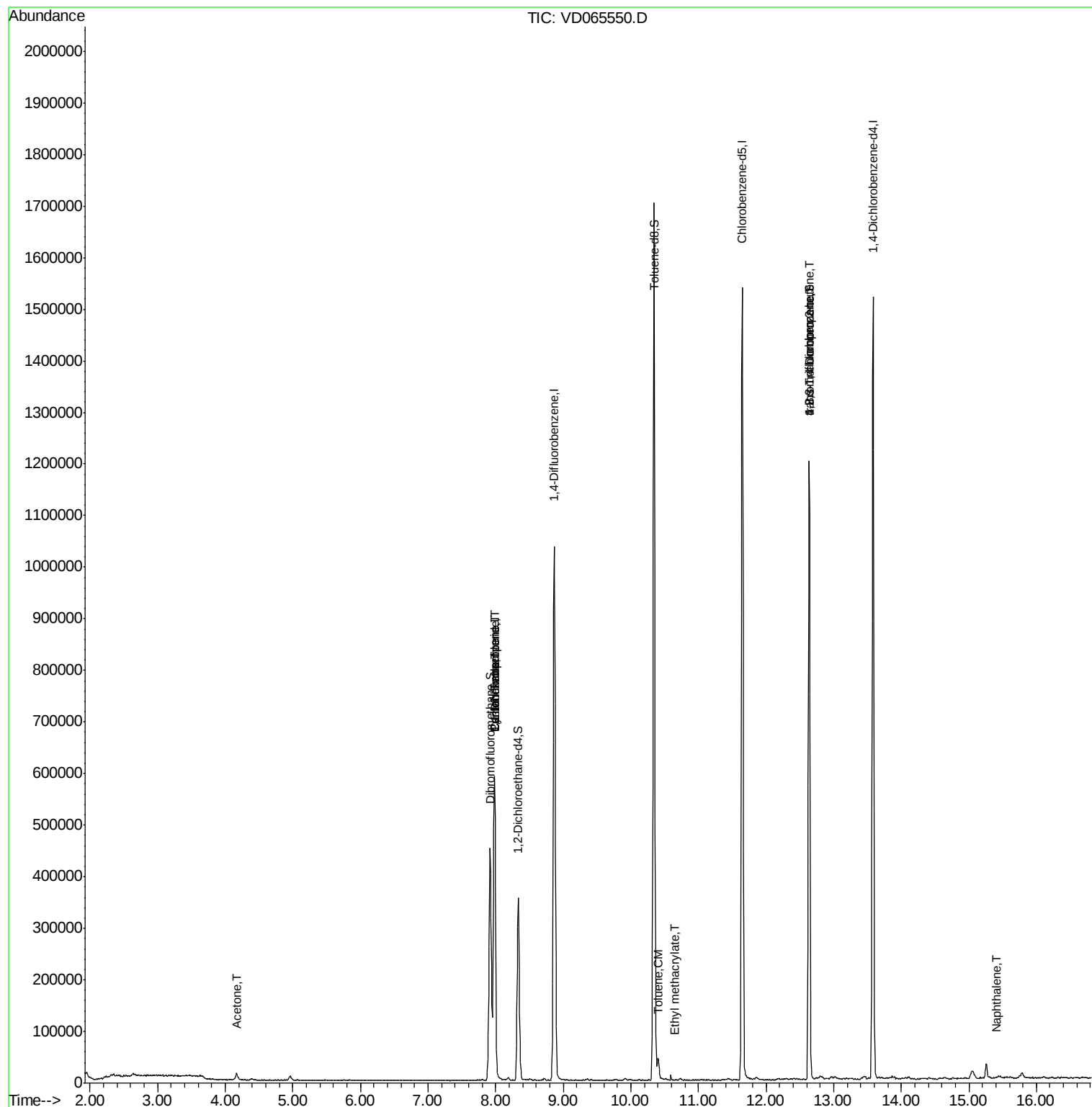
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	926586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	934816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	420576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	283593	72.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	144.52%	
35) Dibromofluoromethane	7.92	113	318763	55.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.46%	
50) Toluene-d8	10.34	98	1166614	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.64	95	383231	56.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	159	Below Cal	#	42
3) Chloromethane	2.21	50	265	Below Cal	#	31
5) Bromomethane	2.77	94	246	Below Cal	#	4
16) Acetone	4.17	43	19670	26.563	ug/l	95
20) Methylene Chloride	4.96	84	5302	Below Cal	#	82
31) Cyclohexane	7.98	56	8845	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	31982	3.778	ug/l #	48
38) Carbon Tetrachloride	7.98	117	43425	4.870	ug/l #	18
52) Toluene	10.41	92	15583	1.019	ug/l	96
56) Ethyl methacrylate	10.66	69	113	3.312	ug/l #	39
76) 1,2,3-Trichloropropane	12.64	75	185923	57.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	185923	128.352	ug/l #	13
95) Naphthalene	15.41	128	1091	4.399	ug/l #	81

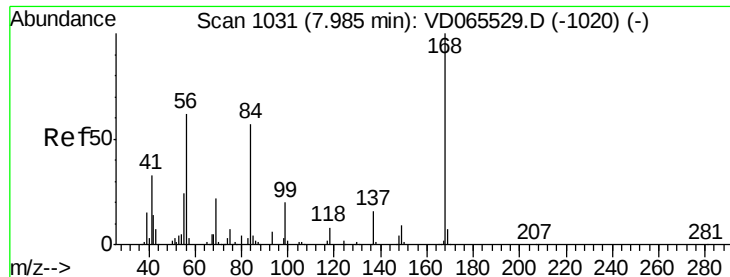
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

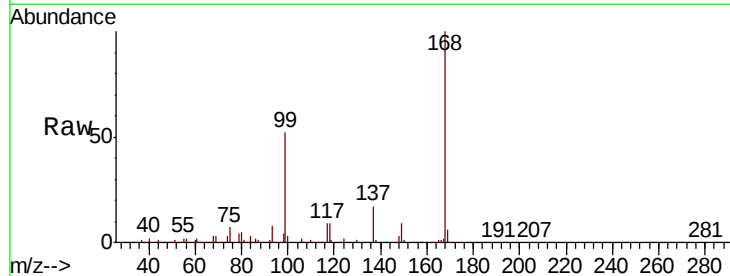
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 471464

Ion Ratio Lower Upper

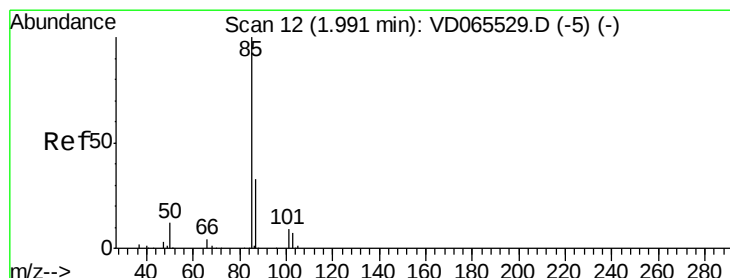
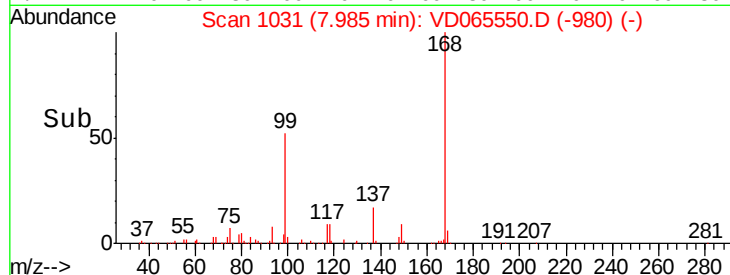
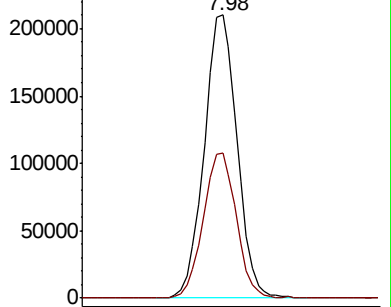
168 100

99 51.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065550.D

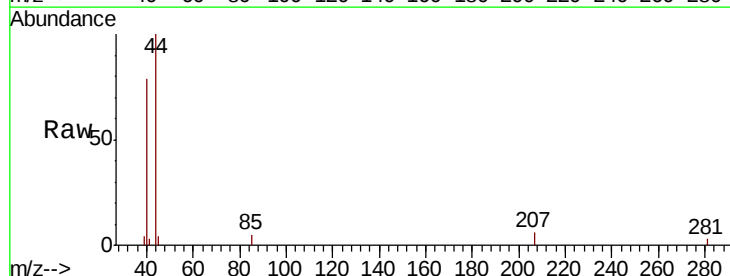
Acq: 27 Mar 2020 18:07

Tgt Ion: 85 Resp: 159

Ion Ratio Lower Upper

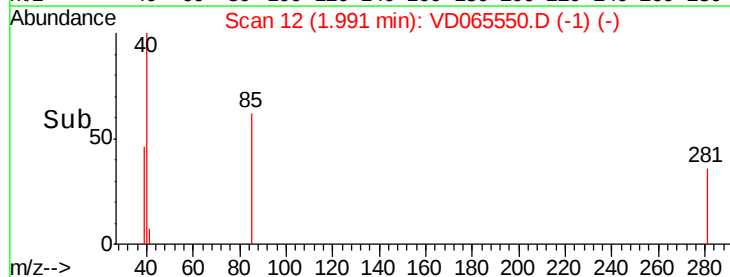
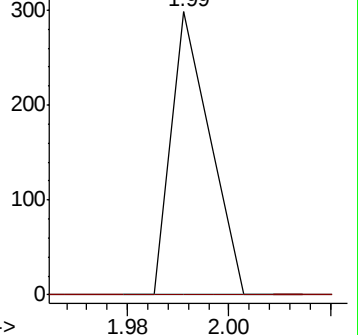
85 100

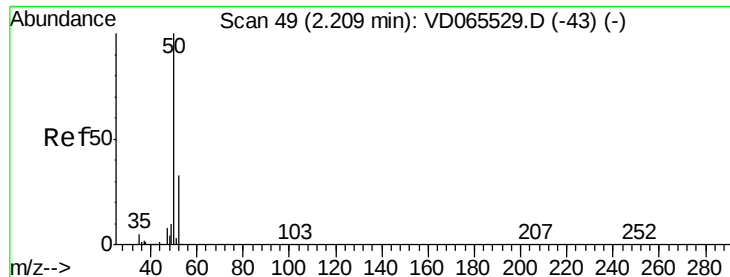
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

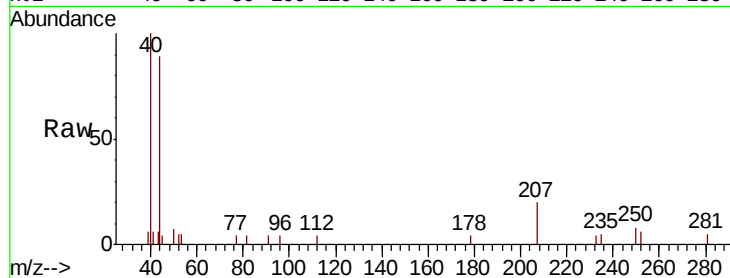
ClientSampled :

Tot Ion: 50 Resp: 265

Ion Ratio Lower Upper

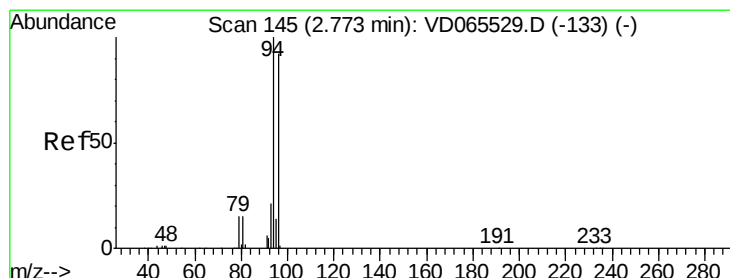
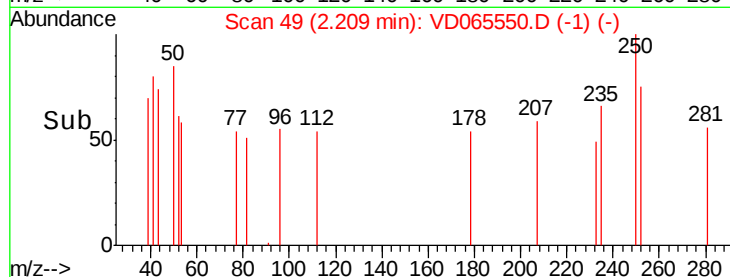
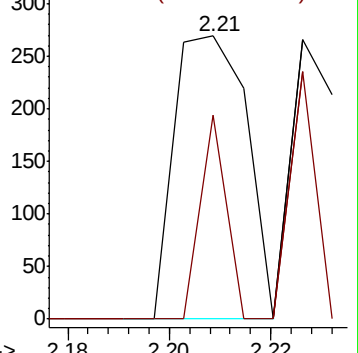
50 100

52 72.1 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# 144

Delta R.T. -0.01 min

Lab File: VD065550.D

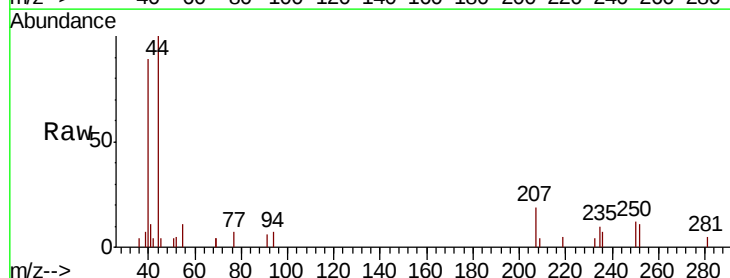
Acq: 27 Mar 2020 18:07

Tgt Ion: 94 Resp: 246

Ion Ratio Lower Upper

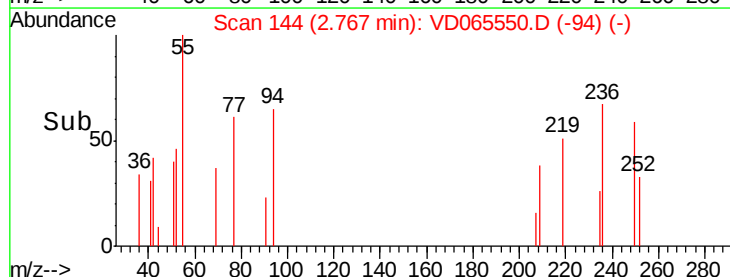
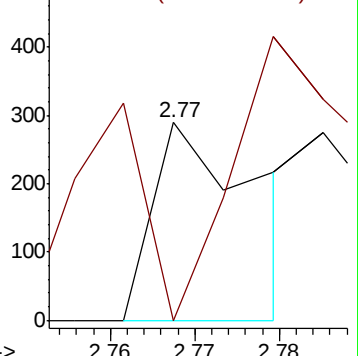
94 100

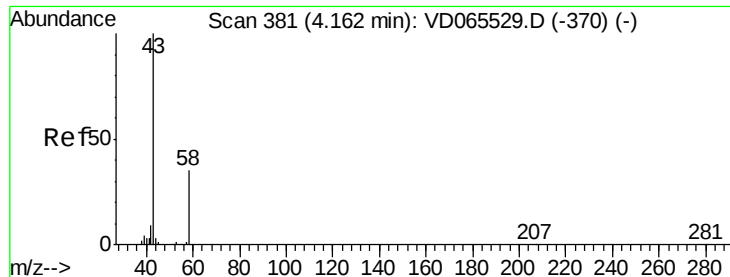
96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 26.563 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

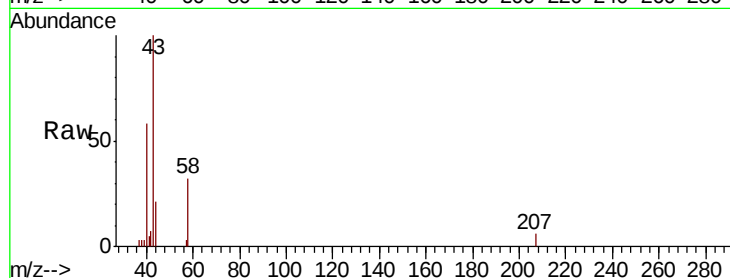
ClientSampleId :

Tot Ion: 43 Resp: 19670

Ion Ratio Lower Upper

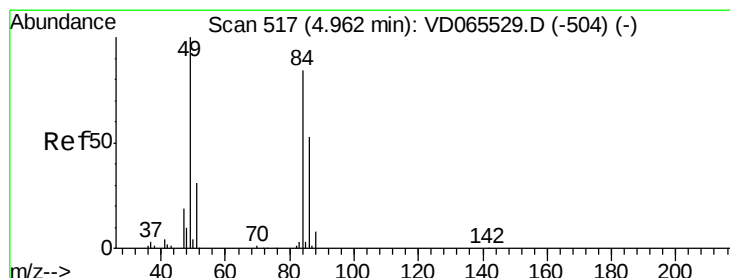
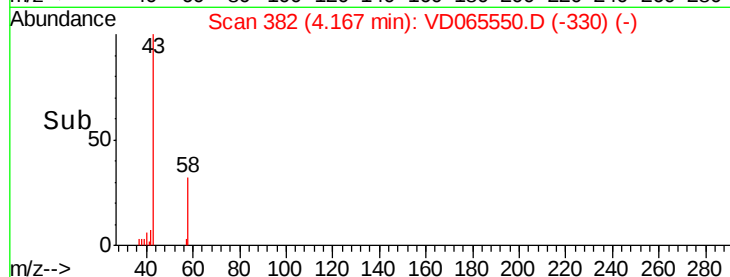
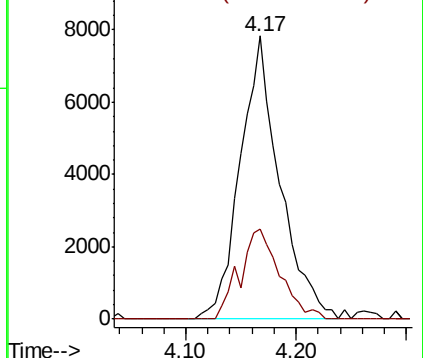
43 100

58 32.0 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# 517

Delta R.T. 0.00 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Tgt Ion: 84 Resp: 5302

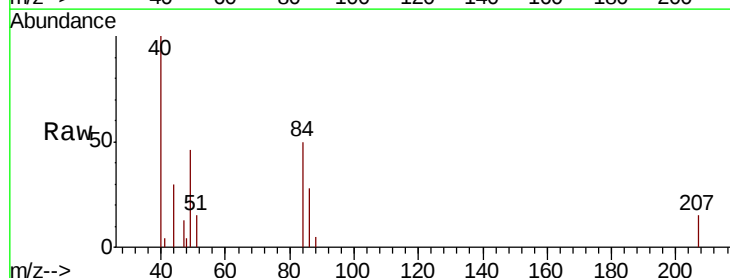
Ion Ratio Lower Upper

84 100

49 91.9 95.6 143.4#

51 31.3 29.4 44.2

86 56.0 50.6 76.0

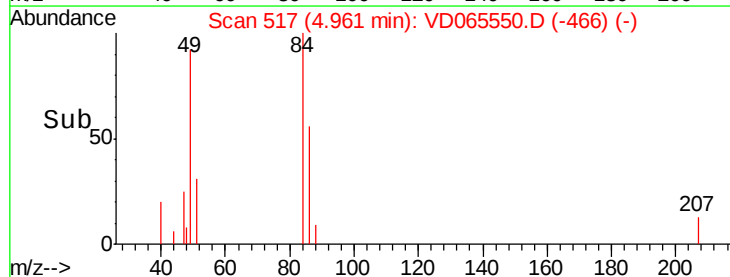
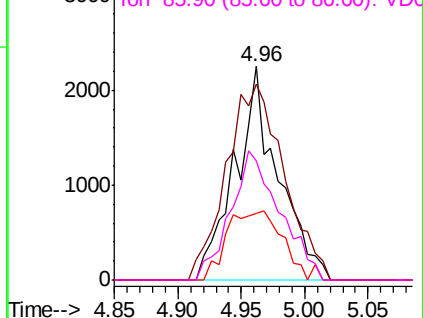


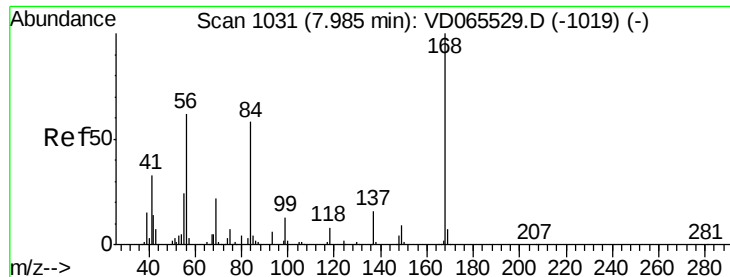
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

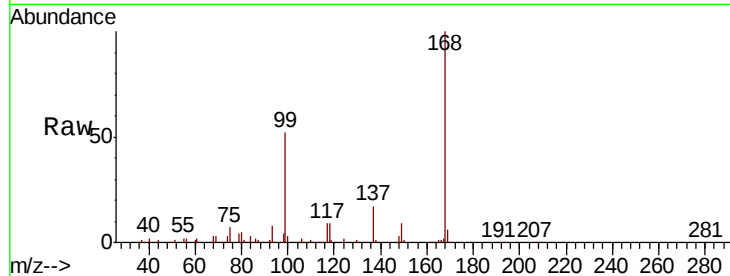




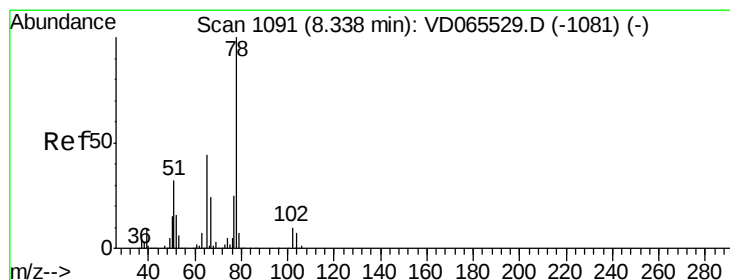
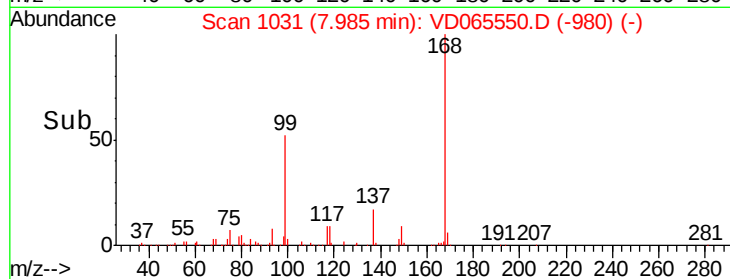
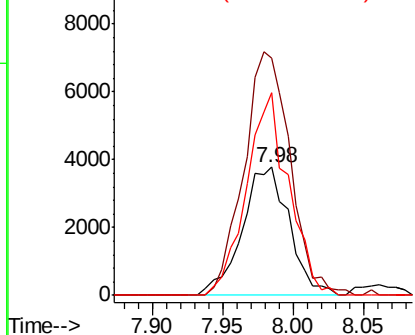
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065550.D
Acq: 27 Mar 2020 18:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8845
Ion Ratio Lower Upper
56 100
69 184.6 28.2 42.4#
84 158.4 73.4 110.0#

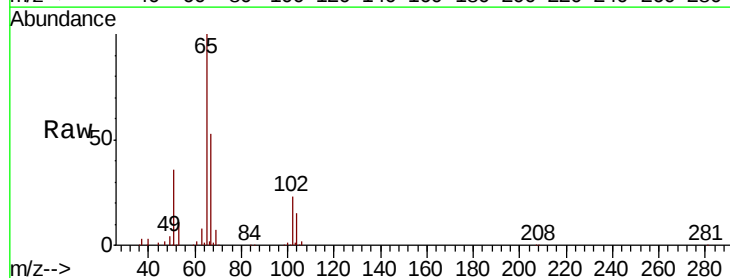


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

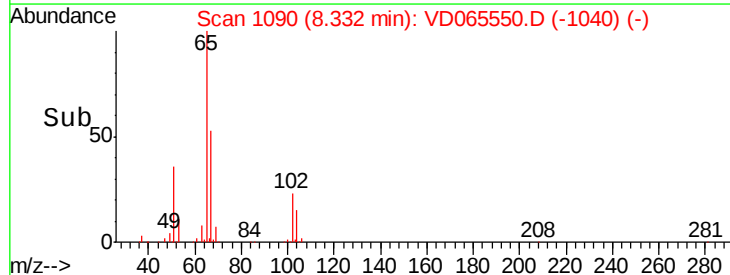
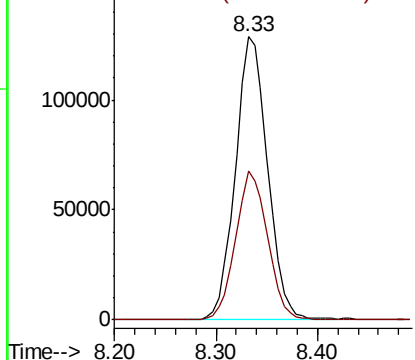


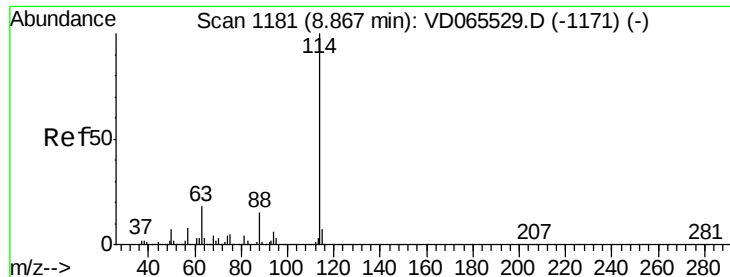
#33
1,2-Dichloroethane-d4
Concen: 72.260 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065550.D
Acq: 27 Mar 2020 18:07

Tgt Ion: 65 Resp: 283593
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.6



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

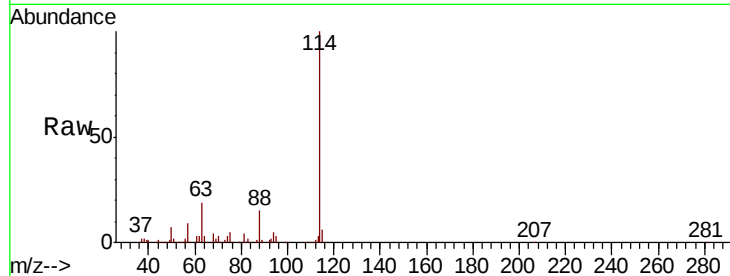




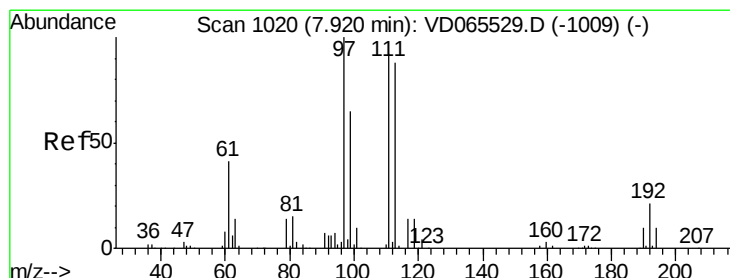
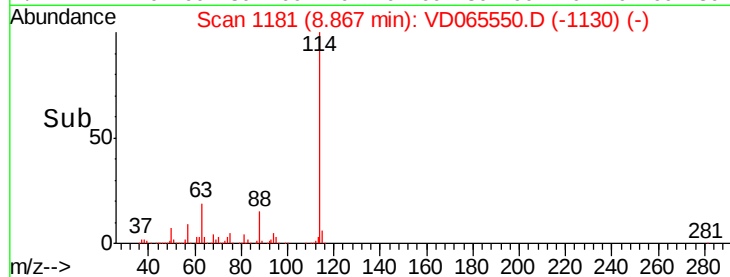
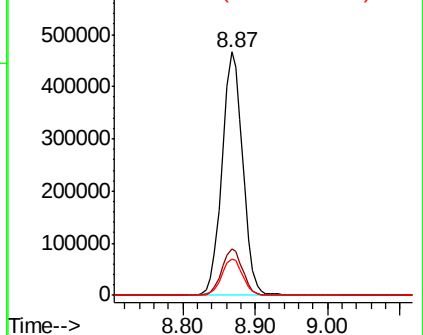
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065550.D
 Acq: 27 Mar 2020 18:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 926586
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 14.7 0.0 30.4

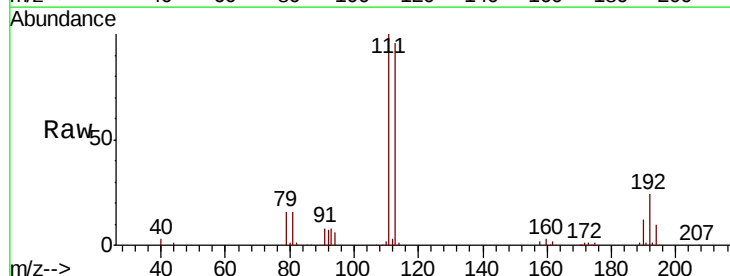


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

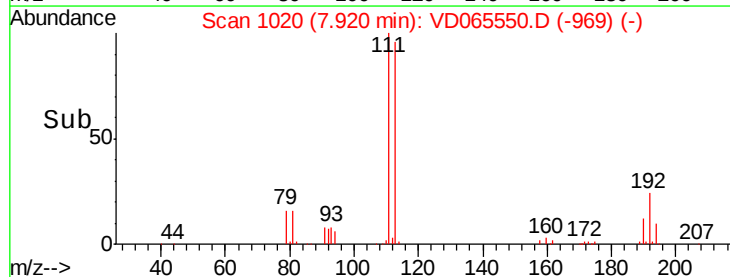
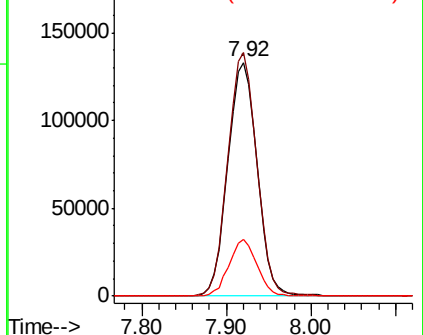


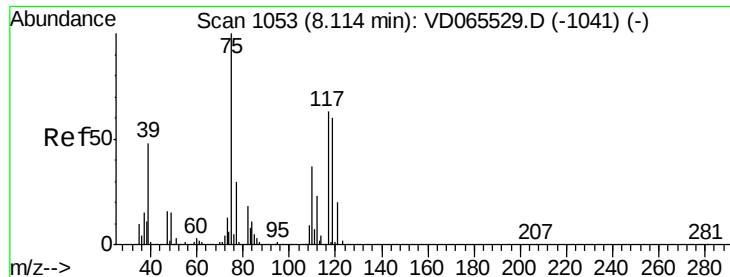
#35
 Dibromofluoromethane
 Concen: 55.735 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065550.D
 Acq: 27 Mar 2020 18:07

Tgt Ion:113 Resp: 318763
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.3 124.9
 192 23.3 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: 3.778 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

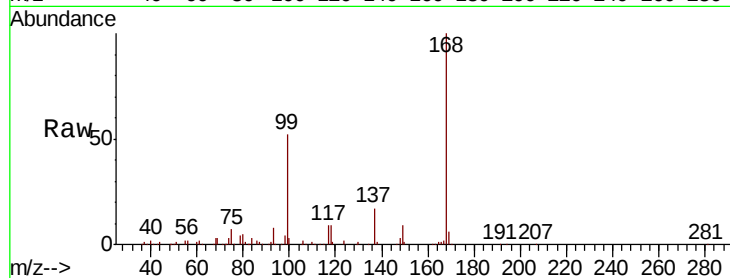
Tot Ion: 75 Resp: 31982

Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

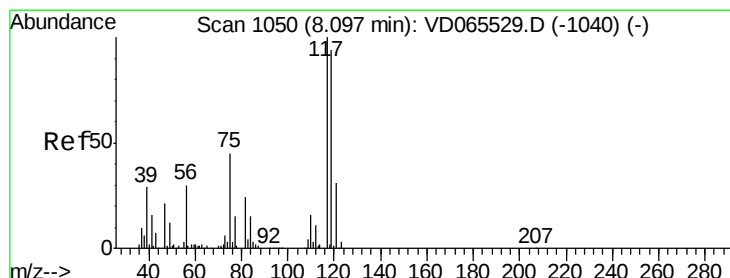
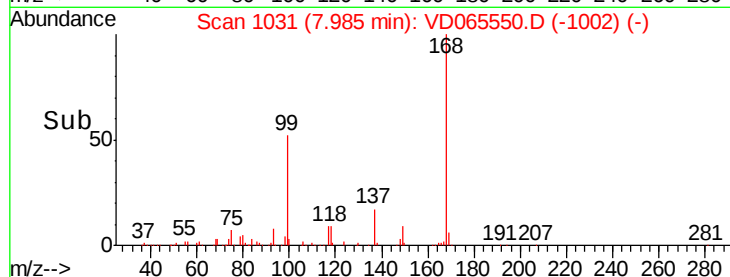
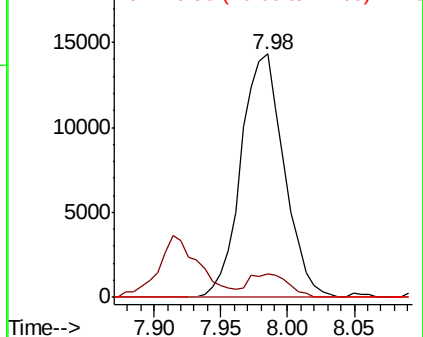
77 0.0 25.1 37.7#



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: 4.870 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

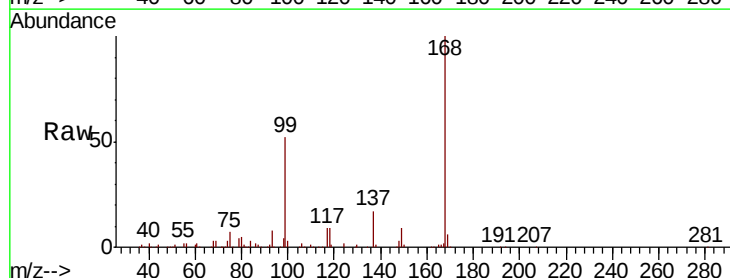
Tgt Ion: 117 Resp: 43425

Ion Ratio Lower Upper

117 100

119 6.0 75.2 112.8#

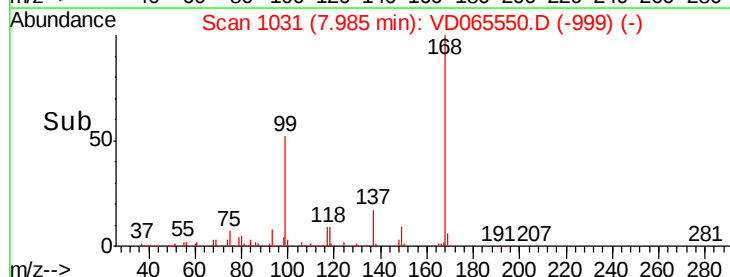
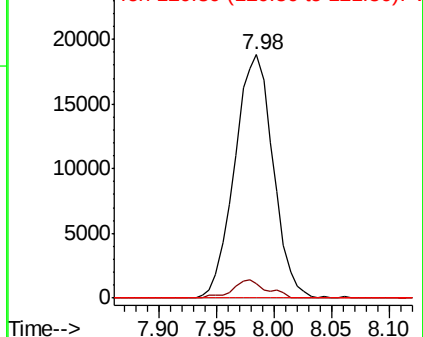
121 0.0 24.5 36.7#

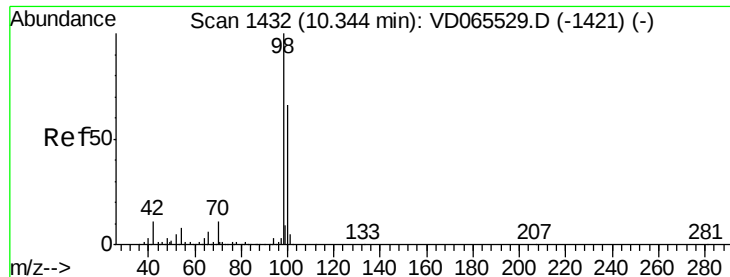


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.332 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

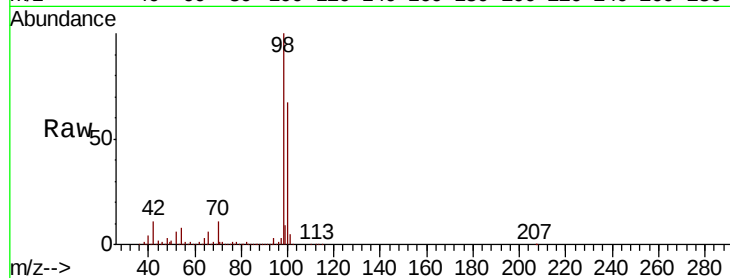
ClientSampleId :

Tot Ion: 98 Resp: 1166614

Ion Ratio Lower Upper

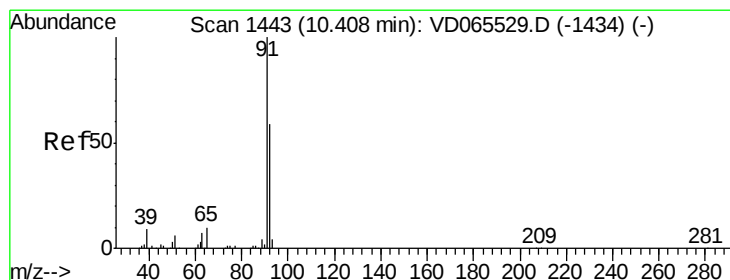
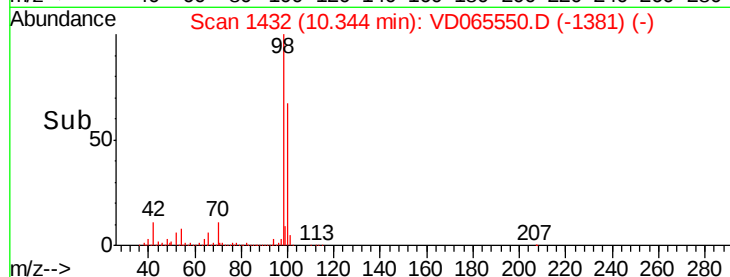
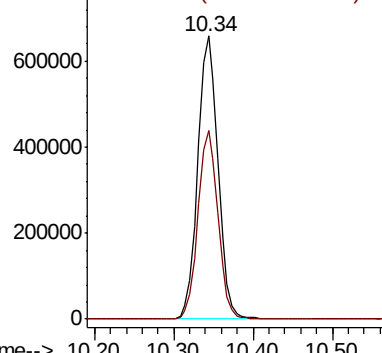
98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.019 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065550.D

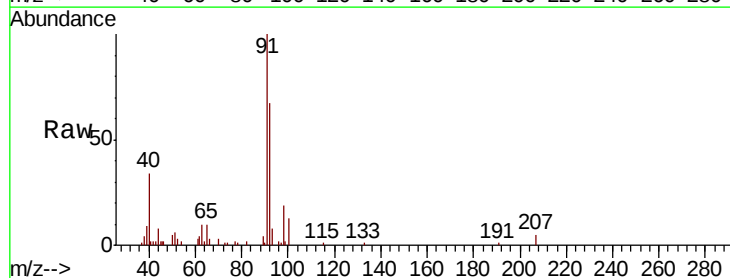
Acq: 27 Mar 2020 18:07

Tgt Ion: 92 Resp: 15583

Ion Ratio Lower Upper

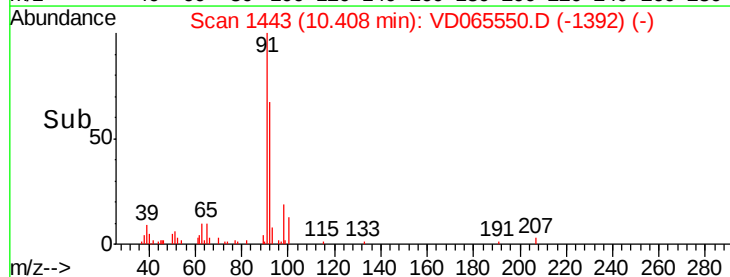
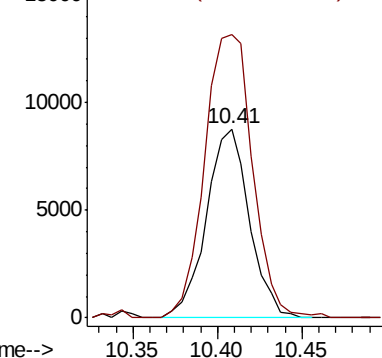
92 100

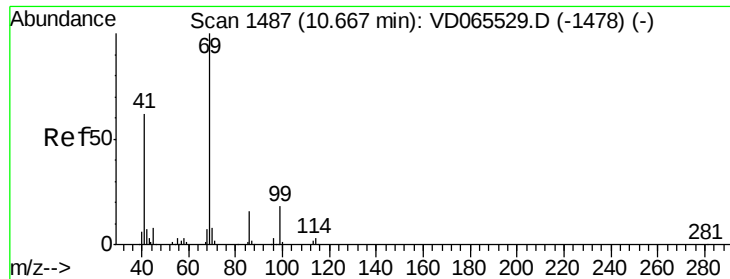
91 166.7 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#56

Ethyl methacrylate

Concen: 3.312 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

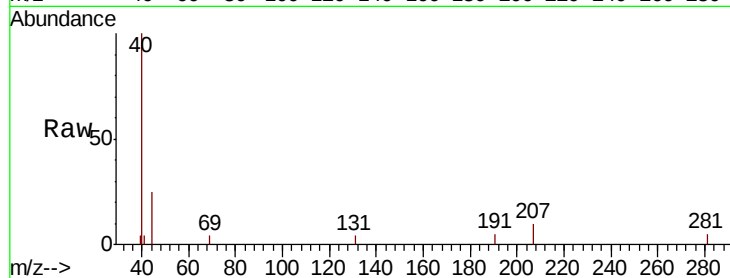
Tot Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 113.3 51.3 76.9#

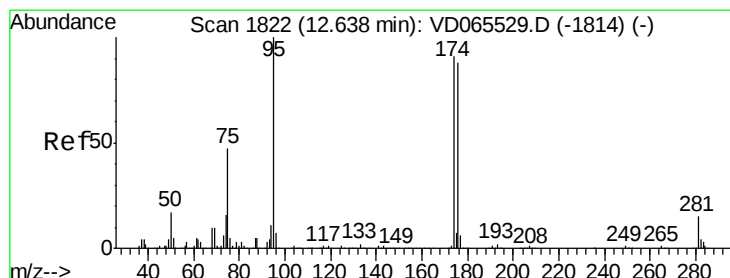
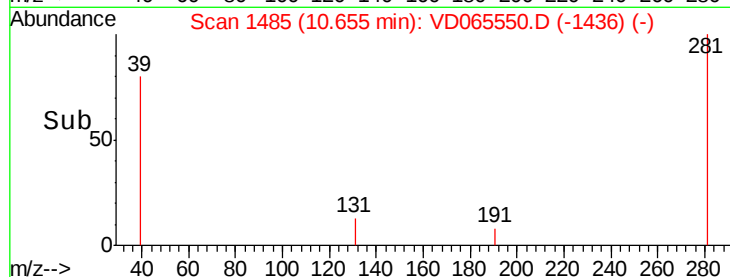
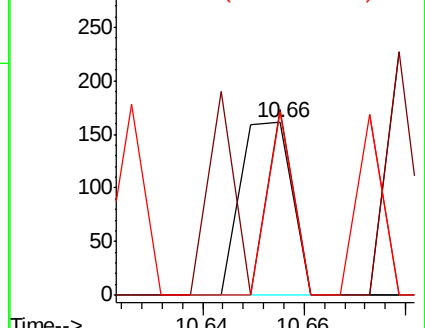
39 0.0 25.3 37.9#



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: 56.234 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

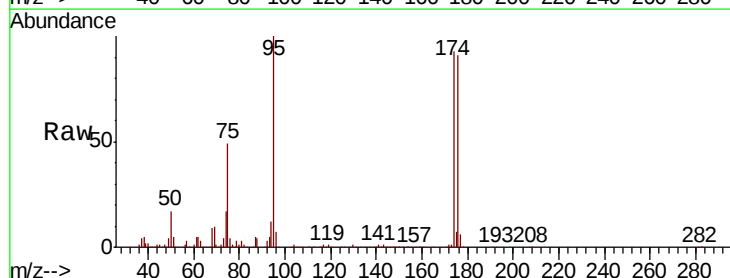
Tgt Ion: 95 Resp: 383231

Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.8

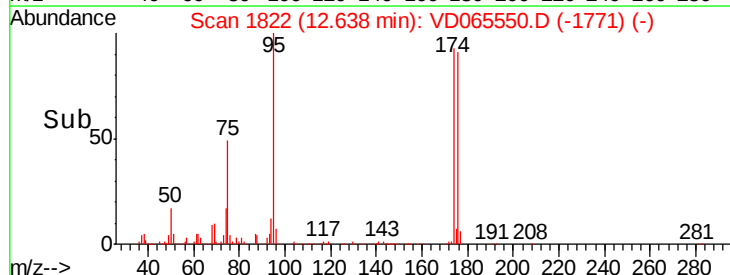
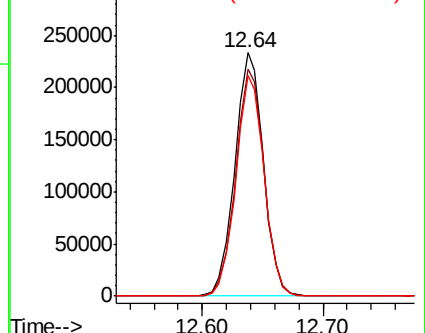
176 89.8 0.0 178.2

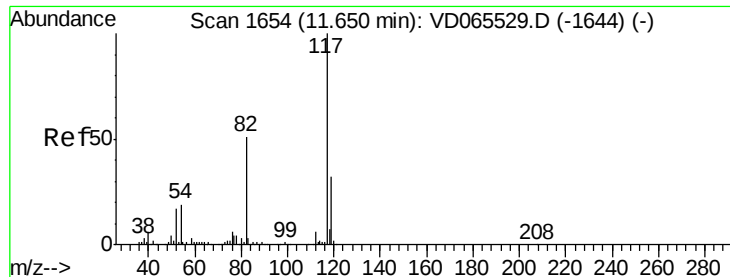


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

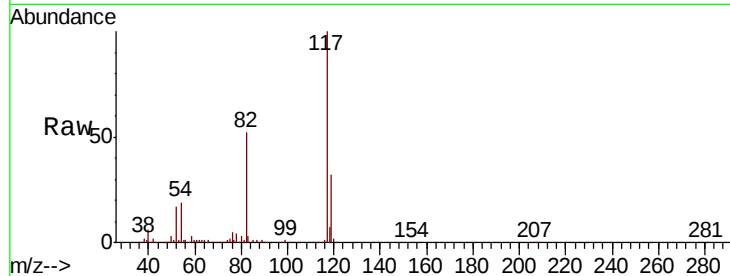




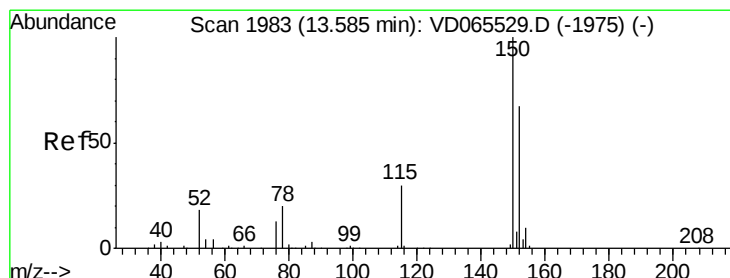
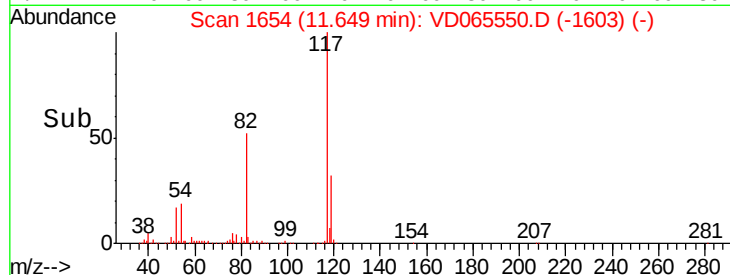
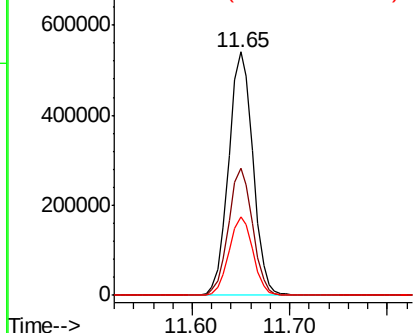
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065550.D
Acq: 27 Mar 2020 18:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 934816
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.5 25.5 38.3

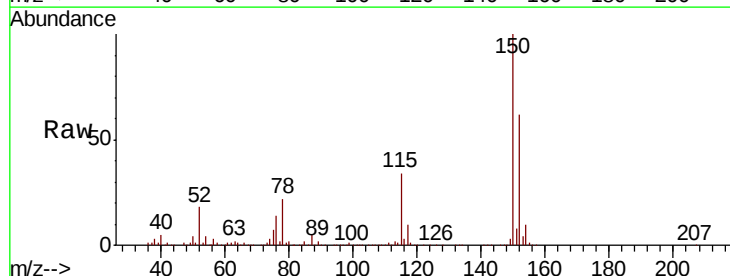


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

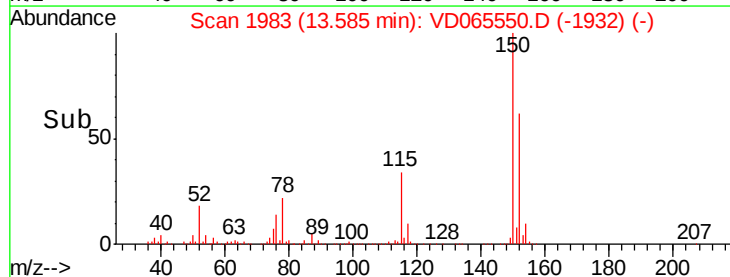
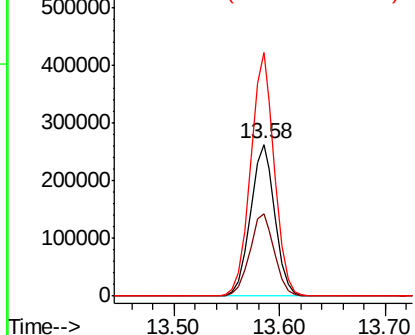


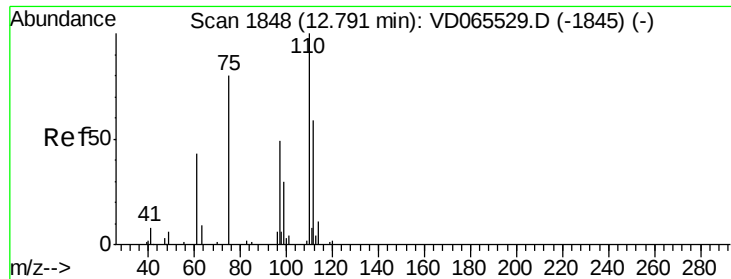
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065550.D
Acq: 27 Mar 2020 18:07

Tgt Ion:152 Resp: 420576
Ion Ratio Lower Upper
152 100
115 54.9 27.2 81.6
150 156.8 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: 57.500 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

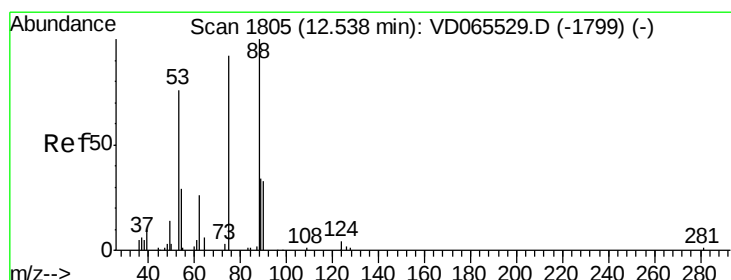
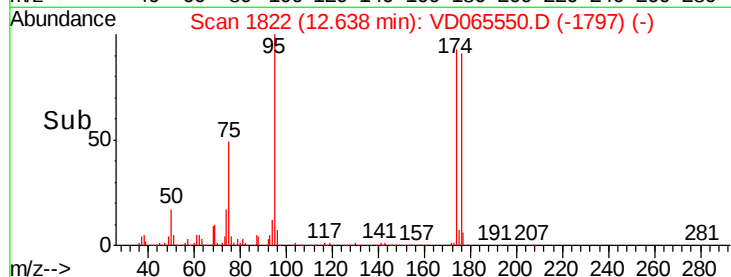
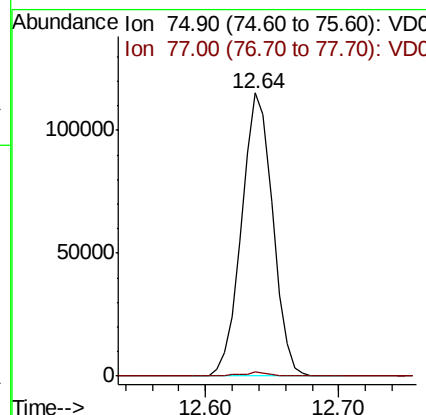
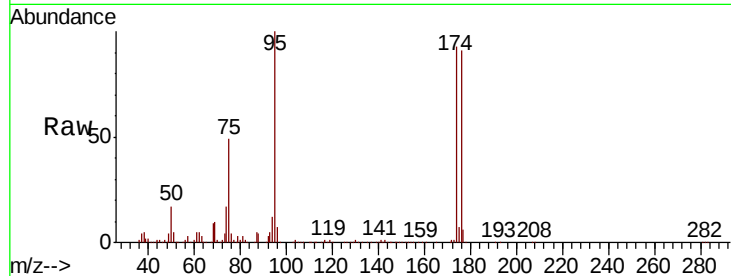
ClientSampled :

Tot Ion: 75 Resp: 185923

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.352 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

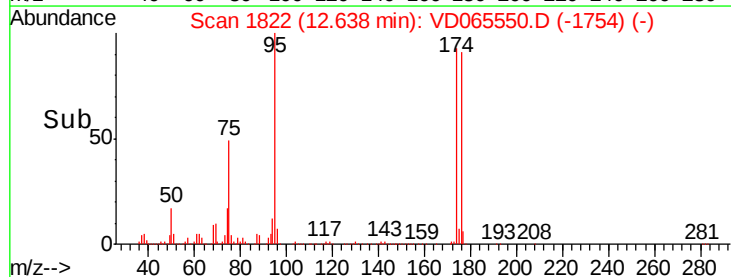
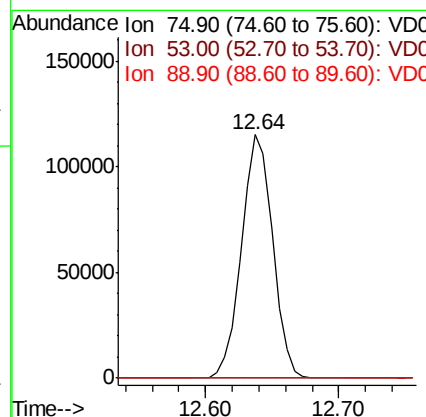
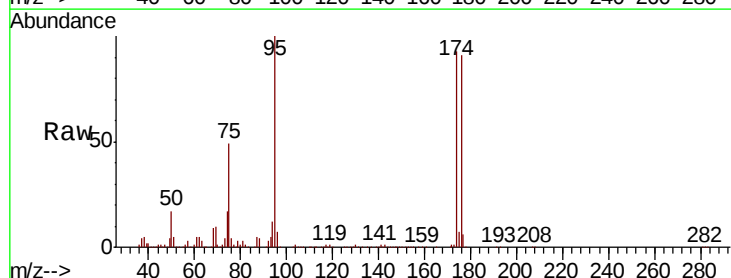
Tgt Ion: 75 Resp: 185923

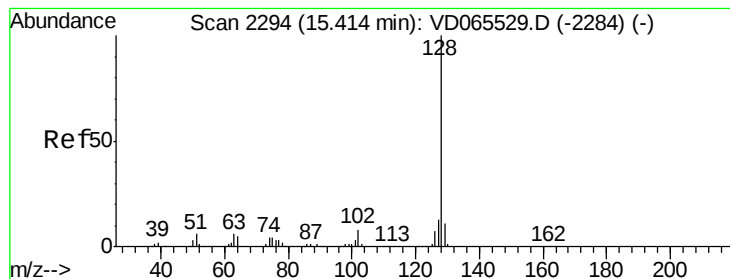
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 4.399 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

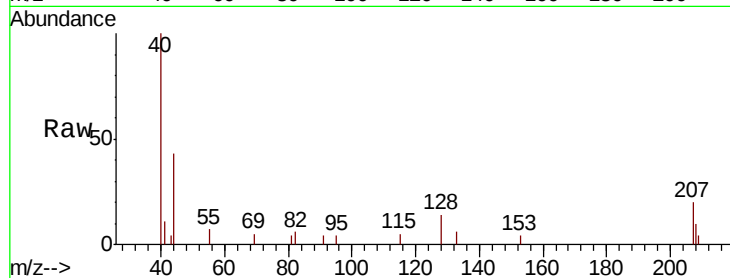
Lab File: VD065550.D

Acq: 27 Mar 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:	128	Resp:	1091
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	11.9	8.7	13.1

