

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065503.D
 Acq On : 13 Mar 2020 13:58
 Operator : VA/SY
 Sample : L1937-02
 Misc : 5.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 16 01:44:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	550148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	928951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	891948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	425346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	280345	59.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.82%	
35) Dibromofluoromethane	7.91	113	304316	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.34	98	1137302	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.64	95	368282	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	

Target Compounds

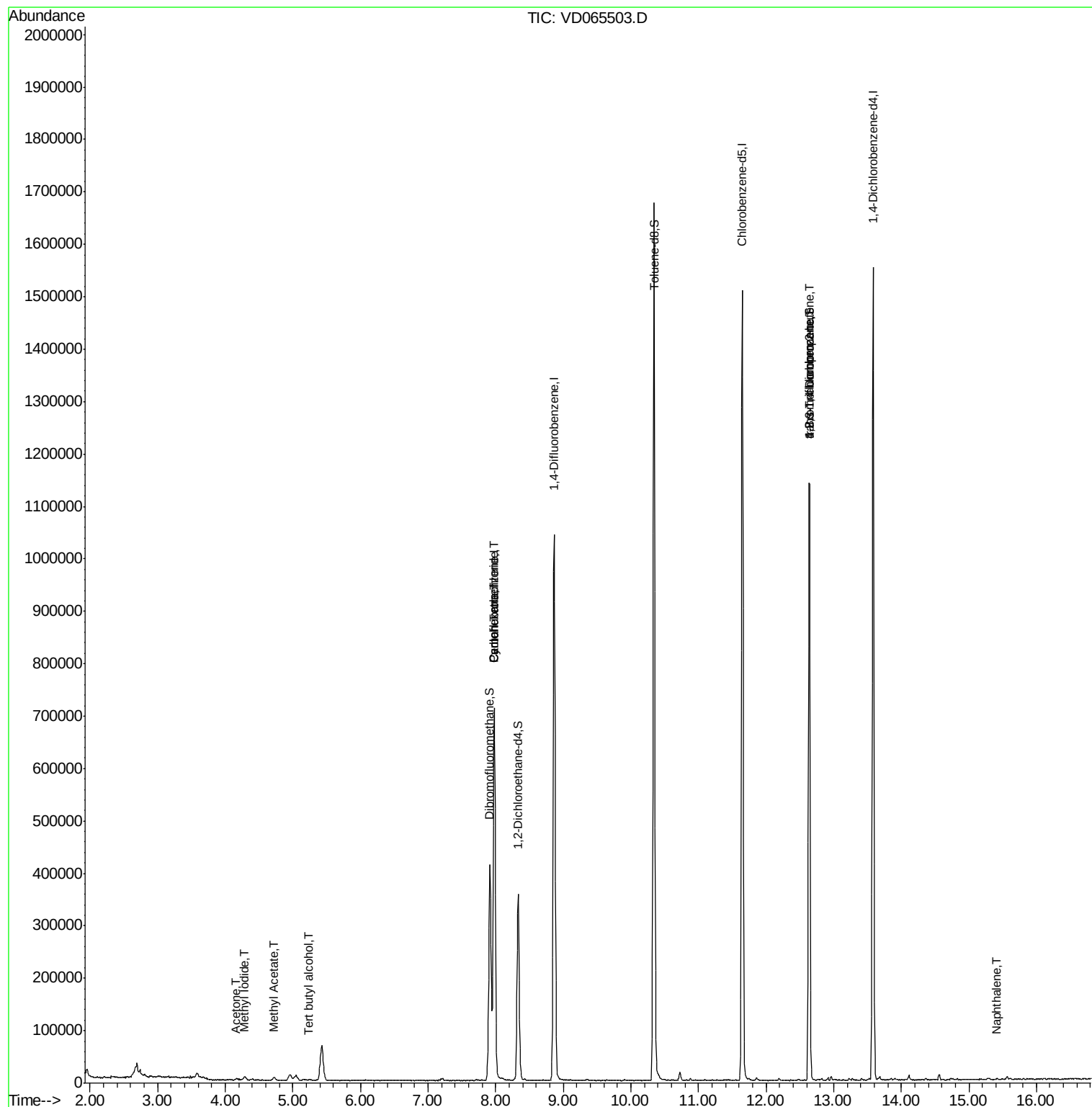
					Qvalue	
5) Bromomethane	2.73	94	7711	Below Cal	#	78
10) Methyl Iodide	4.28	142	12393	2.233	ug/l	94
11) Tert butyl alcohol	5.24	59	2305	8.515	ug/l #	83
16) Acetone	4.16	43	3877	4.062	ug/l	92
18) Methyl Acetate	4.72	43	9264	3.827	ug/l	96
20) Methylene Chloride	4.96	84	9174	Below Cal	#	83
31) Cyclohexane	7.98	56	11085	1.183	ug/l #	9
38) Carbon Tetrachloride	7.98	117	50939	5.517	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	177474	52.877	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	177474	111.587	ug/l #	14
95) Naphthalene	15.42	128	1557	4.510	ug/l #	86

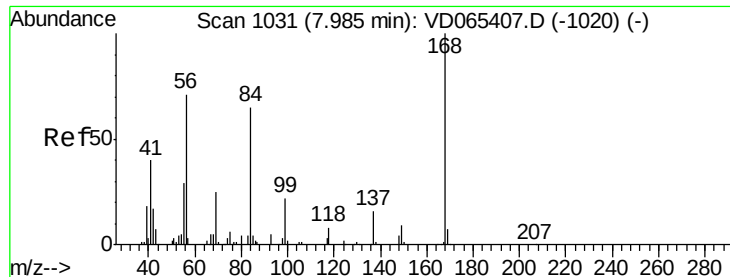
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065503.D

Acq: 13 Mar 2020 13:58

Instrument :

MSVOA_D

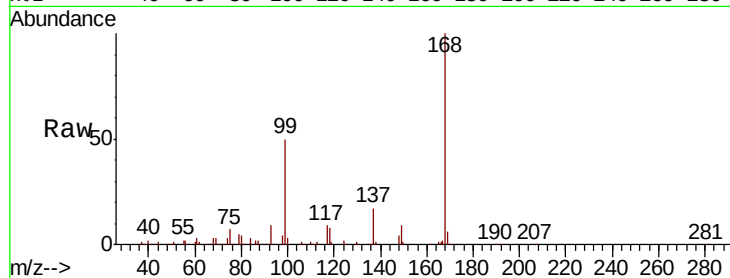
ClientSampled :

Tot Ion:168 Resp: 550148

Ion Ratio Lower Upper

168 100

99 49.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

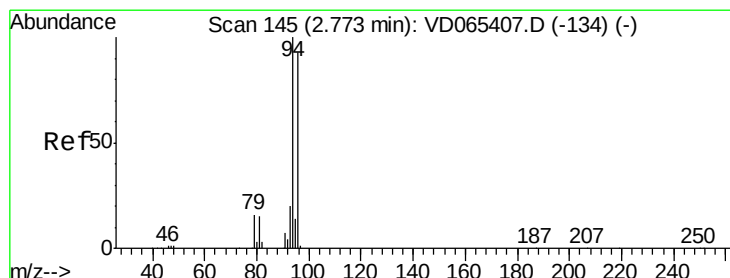
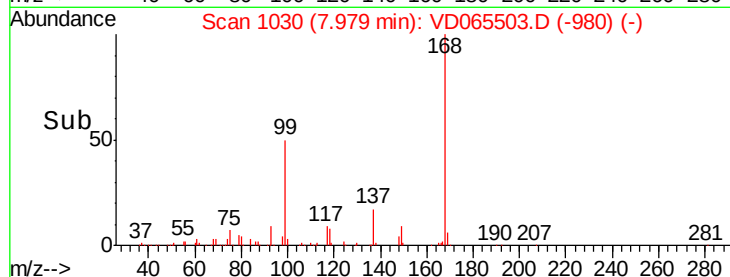
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.73 min Scan# 138

Delta R.T. -0.04 min

Lab File: VD065503.D

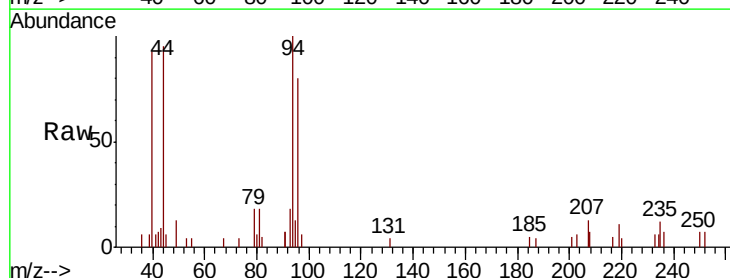
Acq: 13 Mar 2020 13:58

Tgt Ion: 94 Resp: 7711

Ion Ratio Lower Upper

94 100

96 71.8 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.73

4000

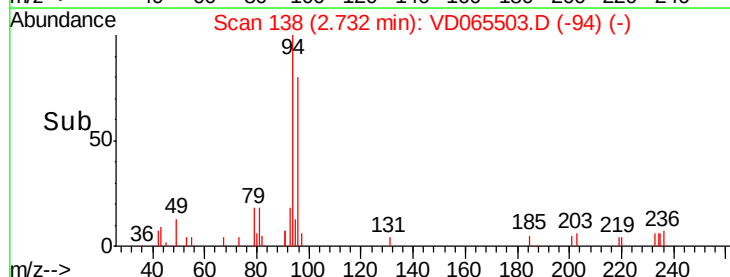
3000

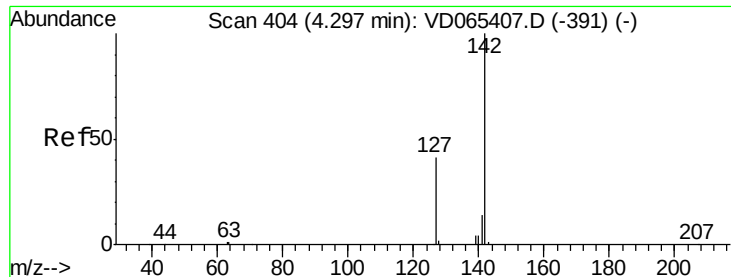
2000

1000

0

Time-->

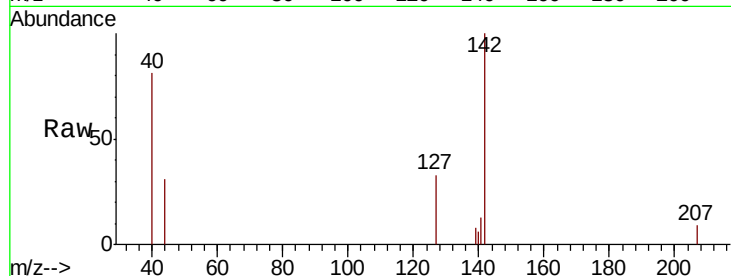




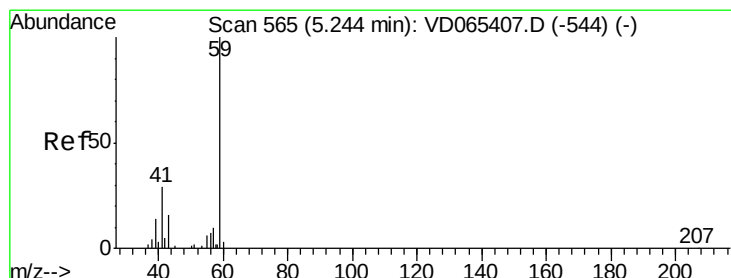
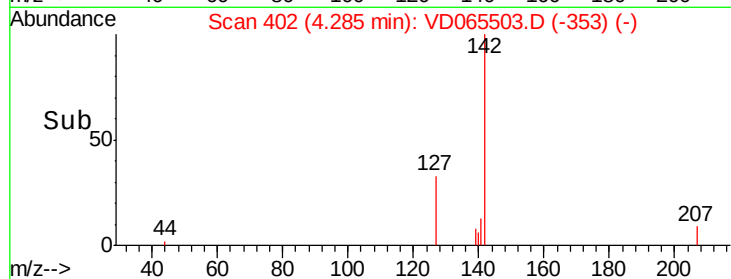
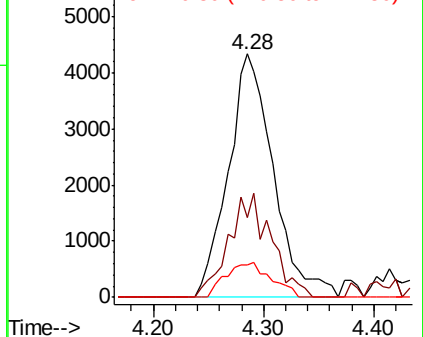
#10
Methyl Iodide
Concen: 2.233 ug/l
RT: 4.28 min Scan# 402
Delta R.T. -0.01 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 12393
Ion Ratio Lower Upper
142 100
127 39.5 35.0 52.6
141 14.3 12.4 18.6

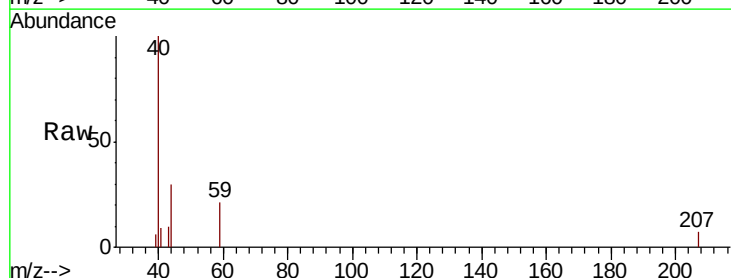


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

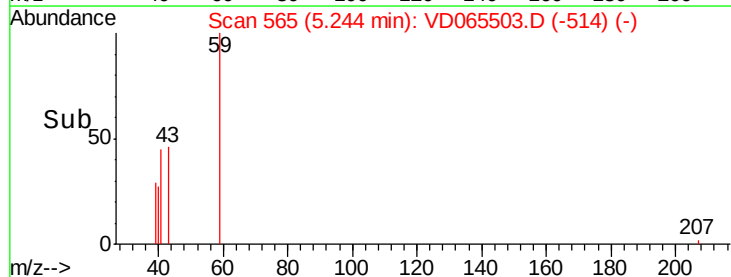
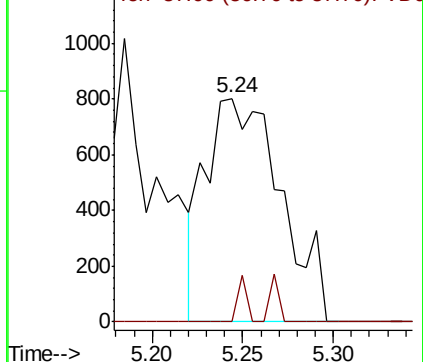


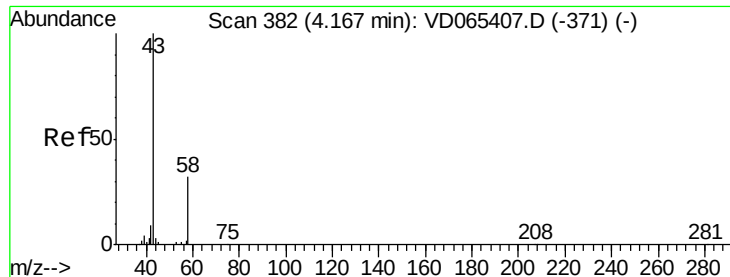
#11
Tert butyl alcohol
Concen: 8.515 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Tgt Ion: 59 Resp: 2305
Ion Ratio Lower Upper
59 100
57 2.6 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.062 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065503.D

Acq: 13 Mar 2020 13:58

Instrument :

MSVOA_D

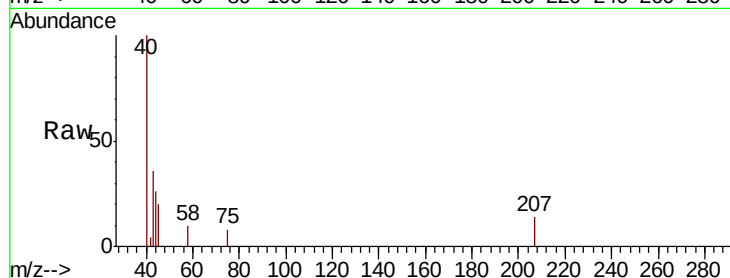
ClientSampleId :

Tot Ion: 43 Resp: 3877

Ion Ratio Lower Upper

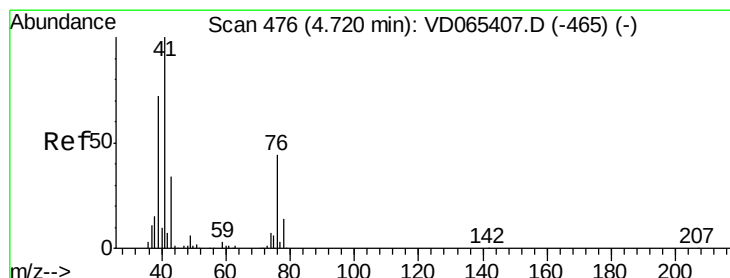
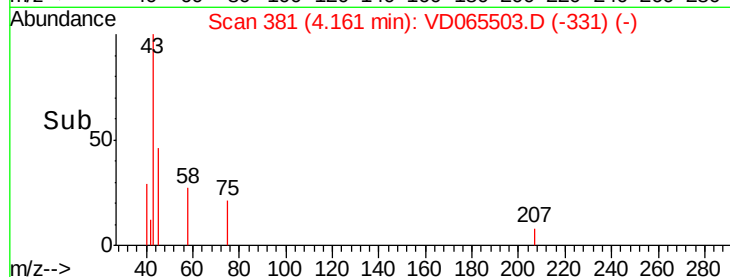
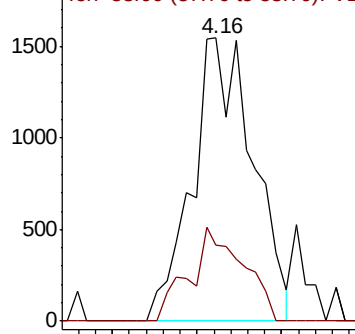
43 100

58 26.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 3.827 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065503.D

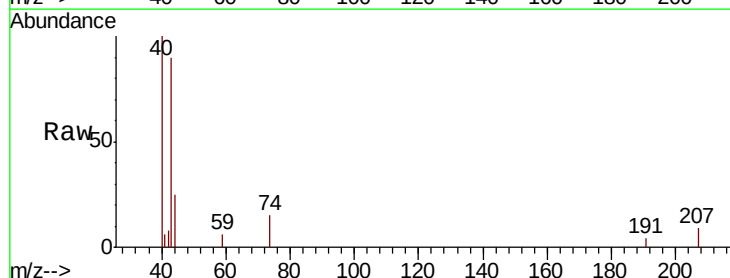
Acq: 13 Mar 2020 13:58

Tgt Ion: 43 Resp: 9264

Ion Ratio Lower Upper

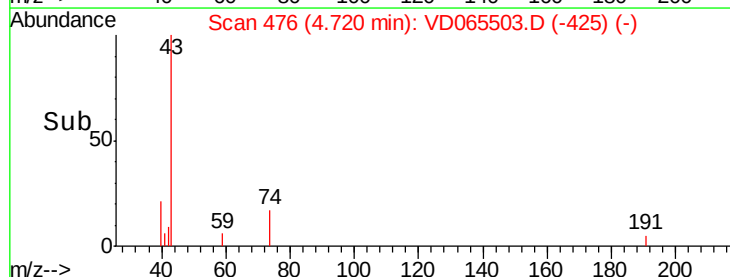
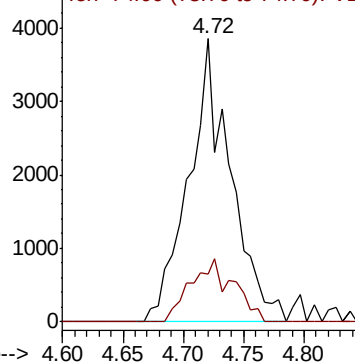
43 100

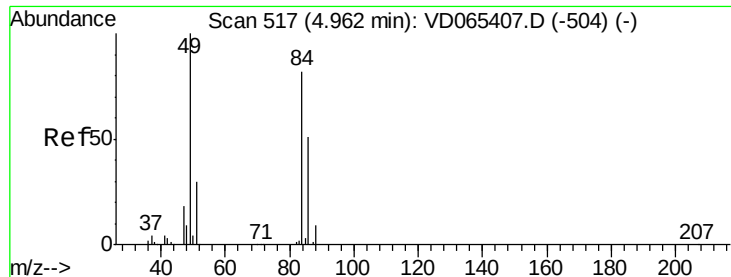
74 22.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

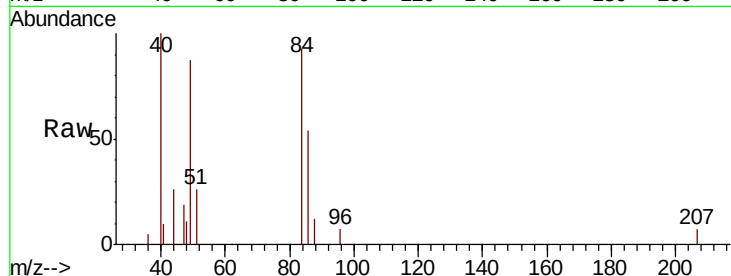




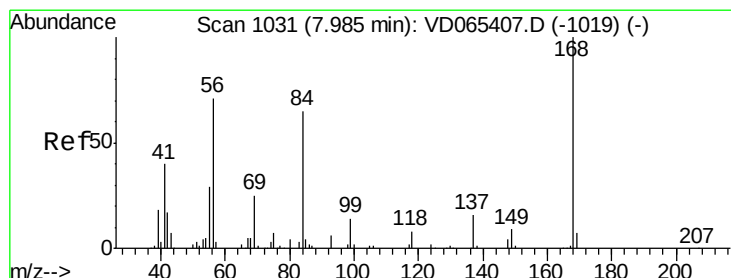
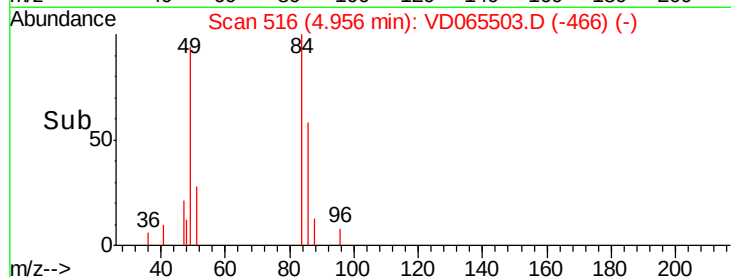
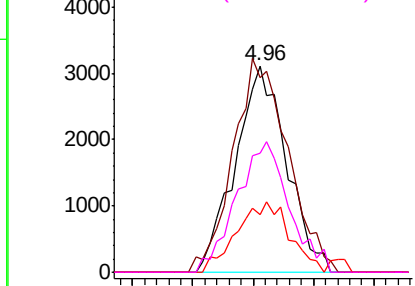
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 84 Resp: 9174
Ion Ratio Lower Upper
84 100
49 94.3 97.7 146.5#
51 28.2 28.8 43.2#
86 57.8 49.5 74.3

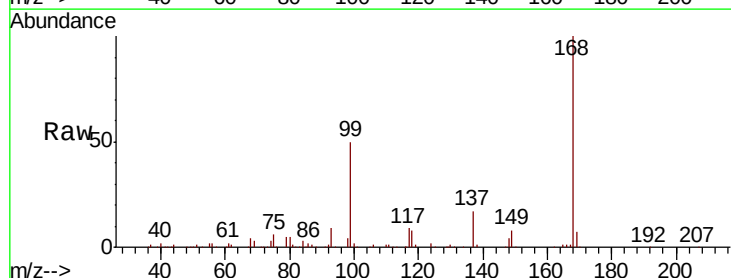


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

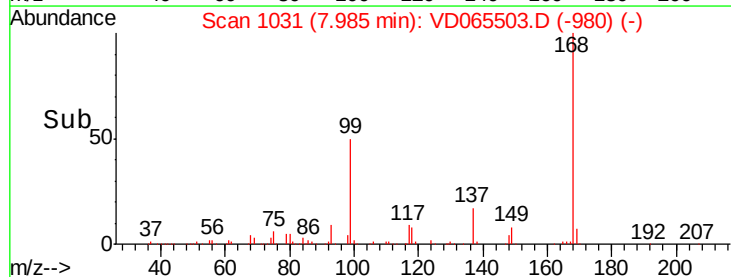
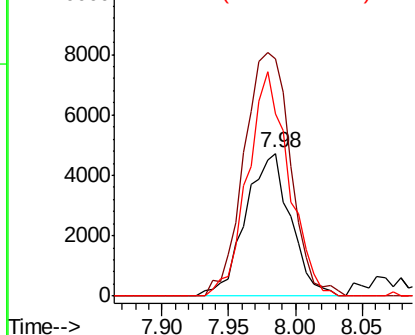


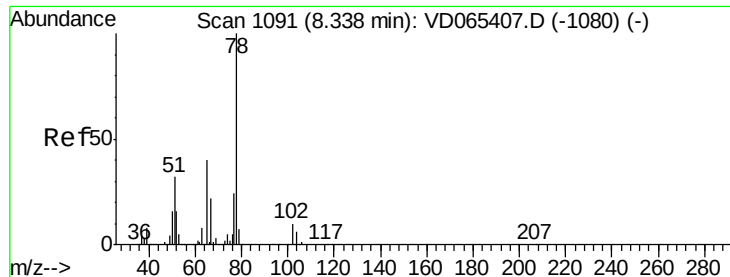
#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Tgt Ion: 56 Resp: 11085
Ion Ratio Lower Upper
56 100
69 166.5 28.3 42.5#
84 128.2 73.1 109.7#



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

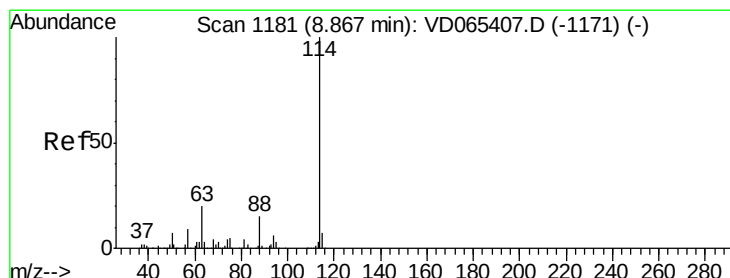
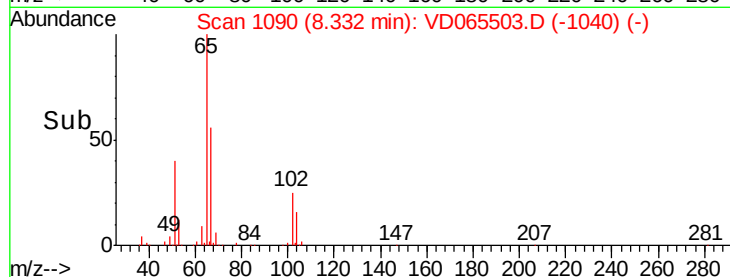
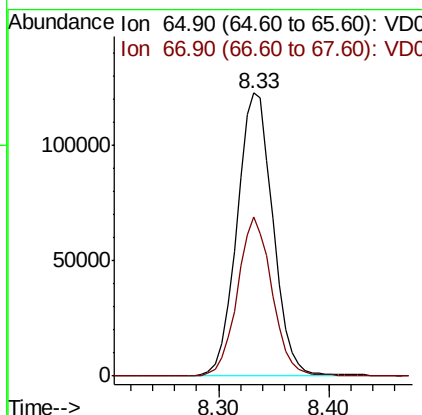
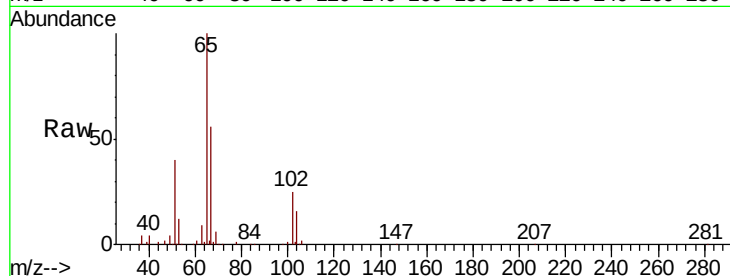




#33
 1,2-Dichloroethane-d4
 Concen: 59.406 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065503.D
 Acq: 13 Mar 2020 13:58

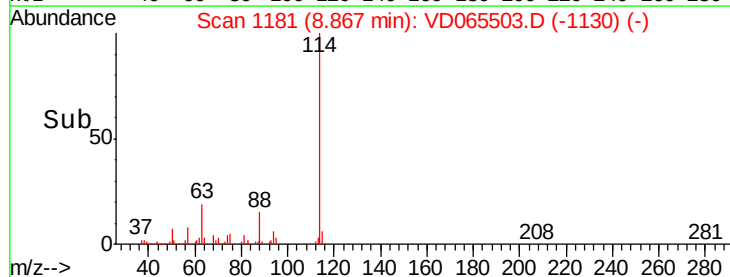
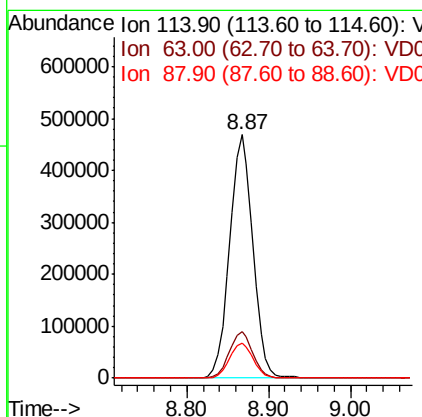
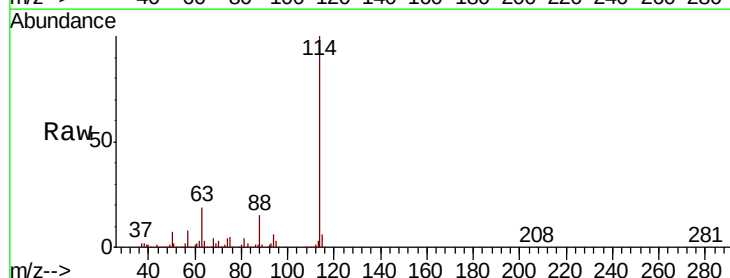
Instrument :
 MSVOA_D
 ClientSampleId :

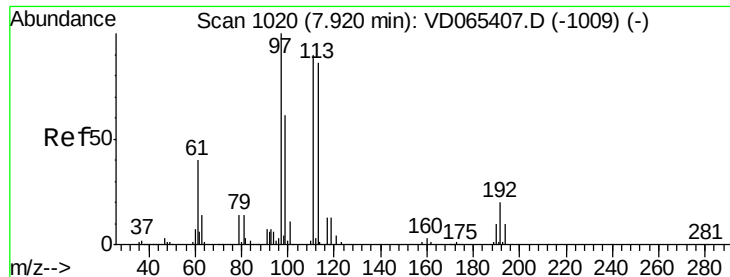
Tot Ion: 65 Resp: 280345
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065503.D
 Acq: 13 Mar 2020 13:58

Tgt Ion: 114 Resp: 928951
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 14.5 0.0 30.4

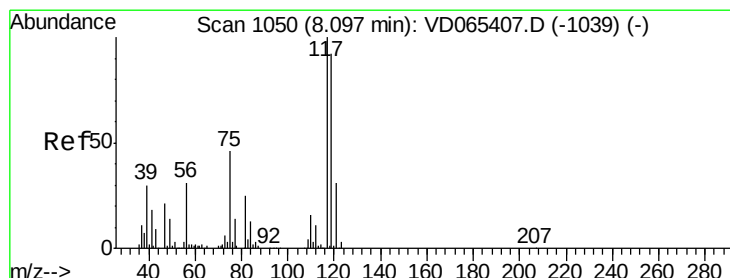
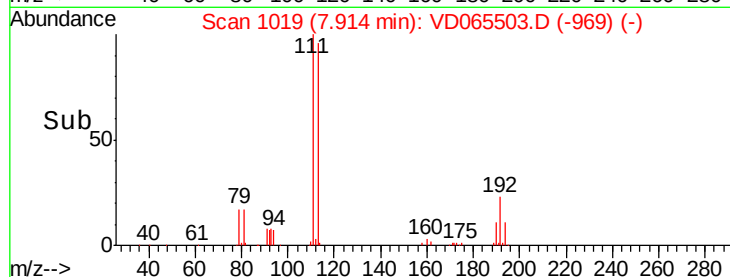
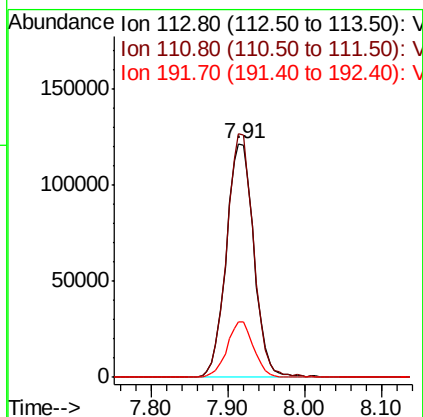
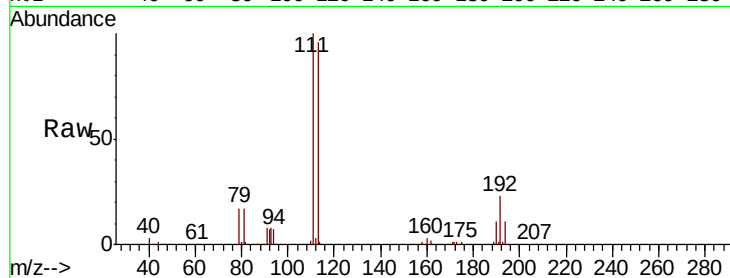




#35
 Dibromofluoromethane
 Concen: 52.973 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065503.D
 Acq: 13 Mar 2020 13:58

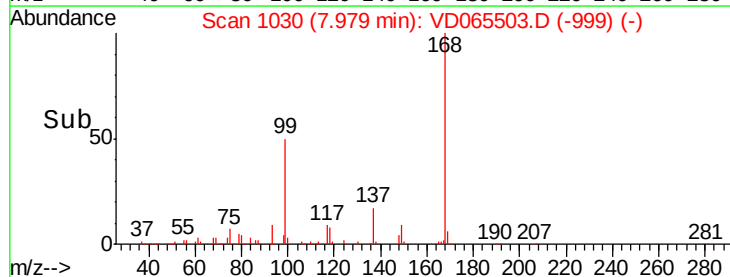
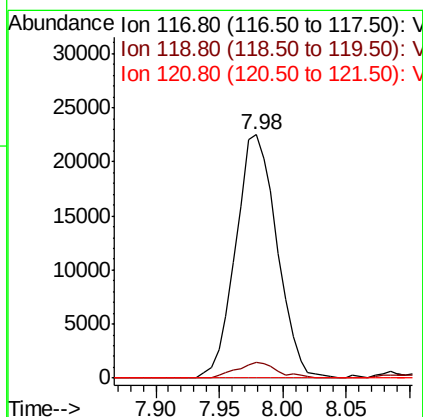
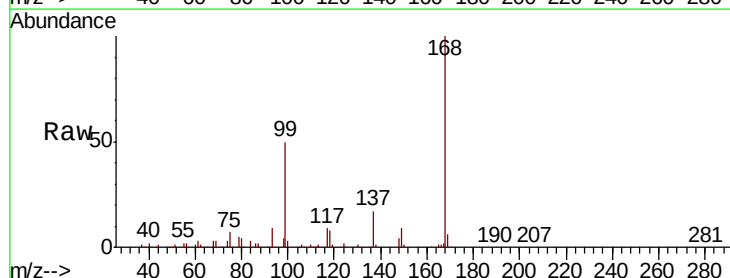
Instrument :
 MSVOA_D
 ClientSampleId :

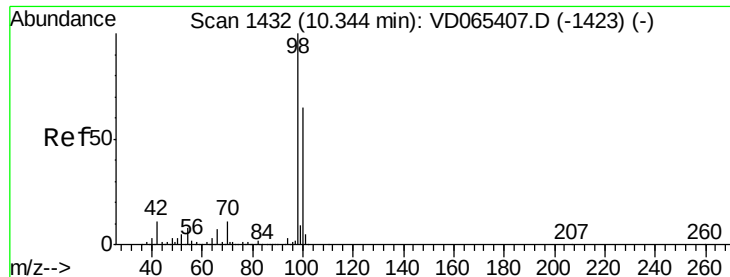
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	23.0	17.2	25.8



#38
 Carbon Tetrachloride
 Concen: 5.517 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065503.D
 Acq: 13 Mar 2020 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	73.3	109.9#
121	0.0	25.0	37.4#

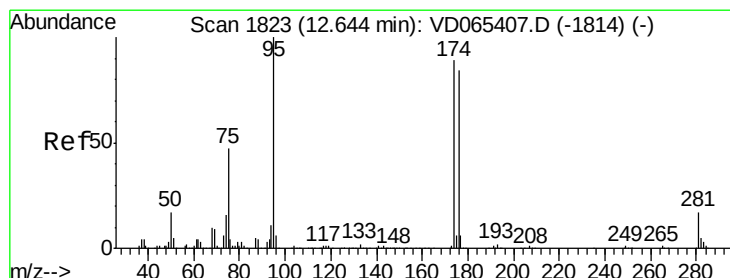
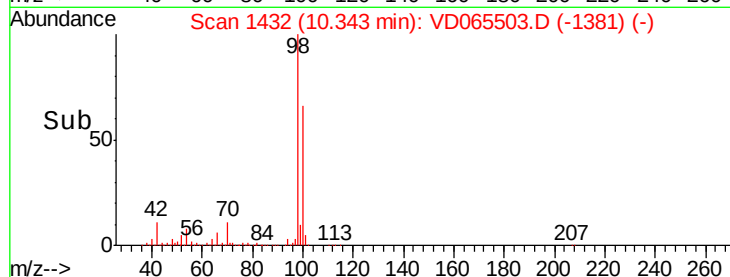
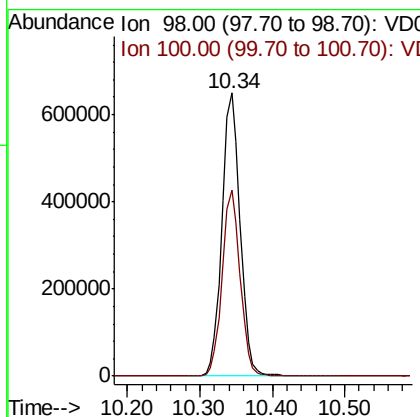
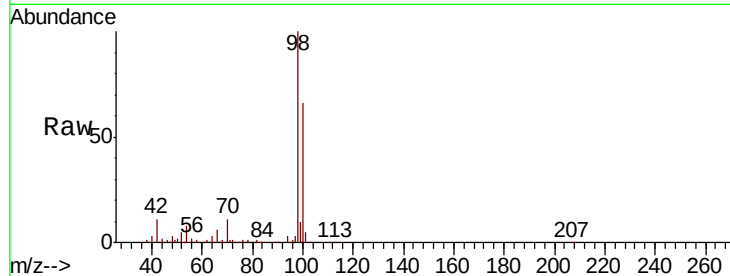




#50
Toluene-d8
Concen: 51.605 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

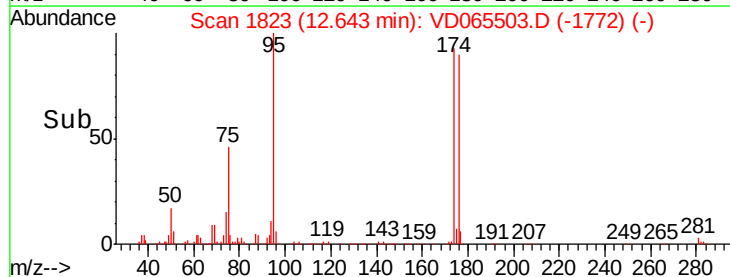
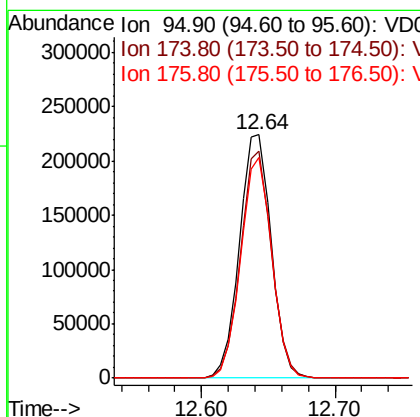
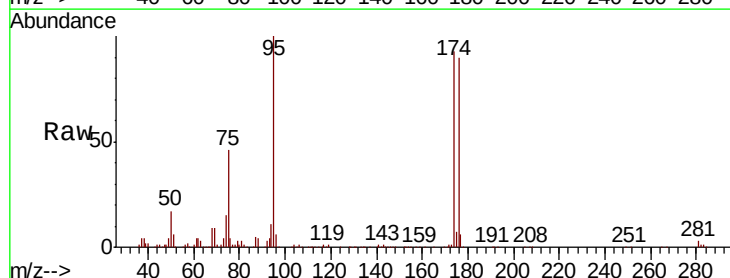
Instrument :
MSVOA_D
ClientSampleId :

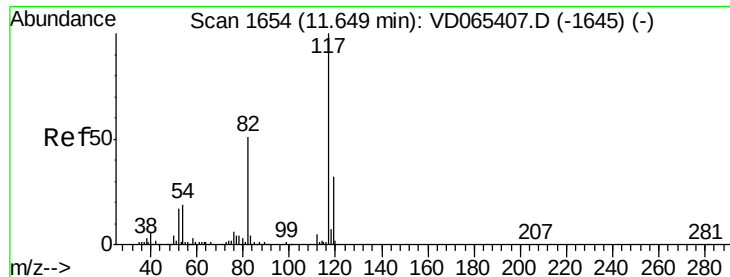
Tot Ion: 98 Resp: 1137302
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 54.131 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Tgt Ion: 95 Resp: 368282
Ion Ratio Lower Upper
95 100
174 91.0 0.0 176.8
176 88.6 0.0 171.4

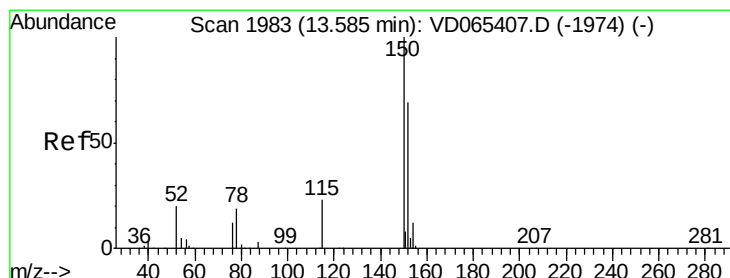
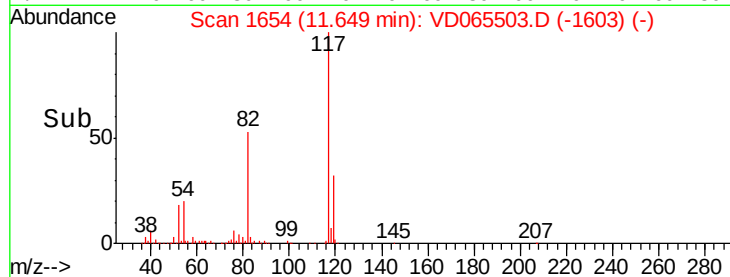
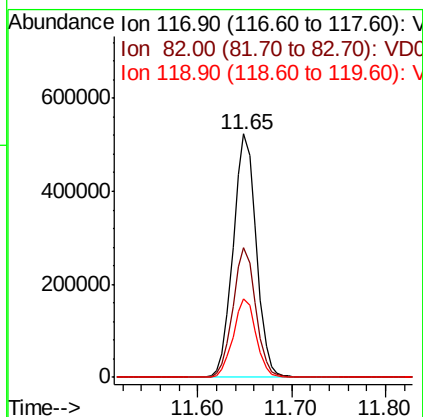
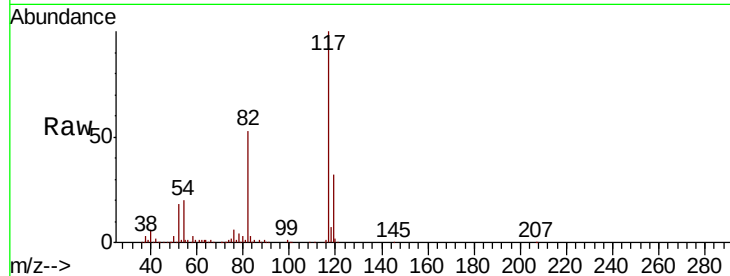




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

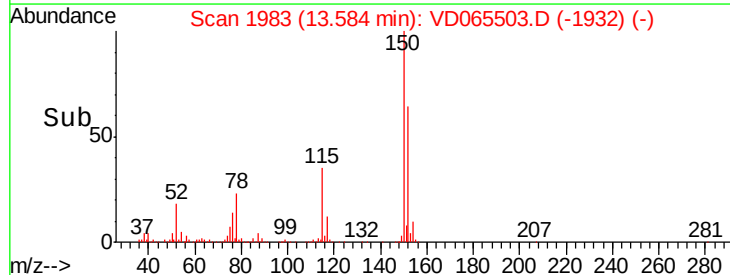
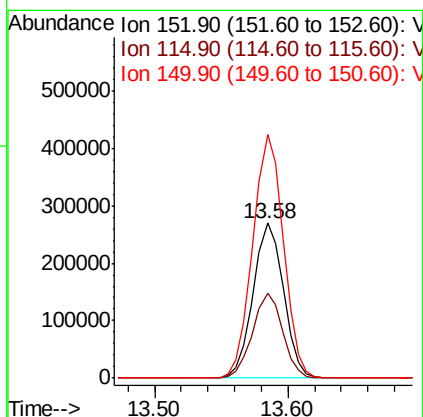
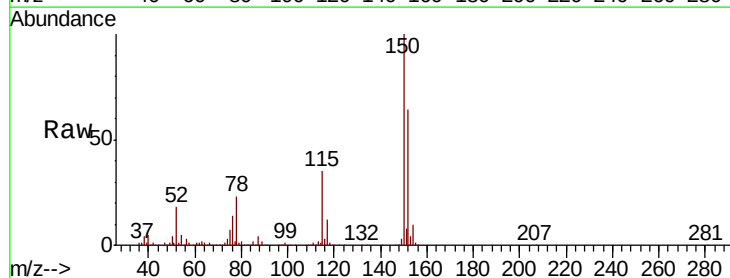
Instrument :
MSVOA_D
ClientSampleId :

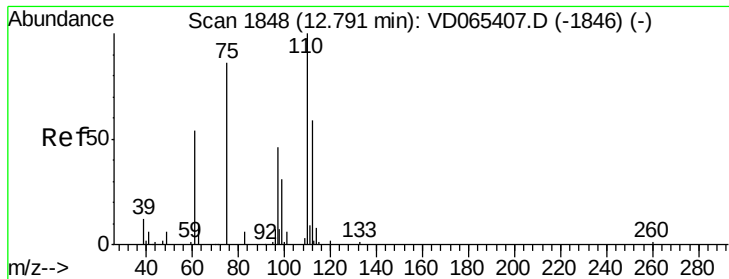
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	40.6	60.8
119	32.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.6	82.8
150	157.9	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 52.877 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065503.D

Acq: 13 Mar 2020 13:58

Instrument :

MSVOA_D

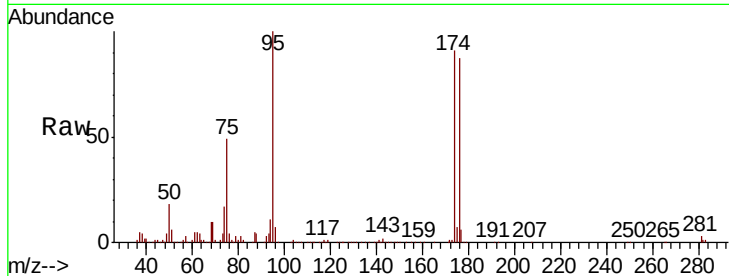
ClientSampled :

Tot Ion: 75 Resp: 177474

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

12.64

120000

100000

80000

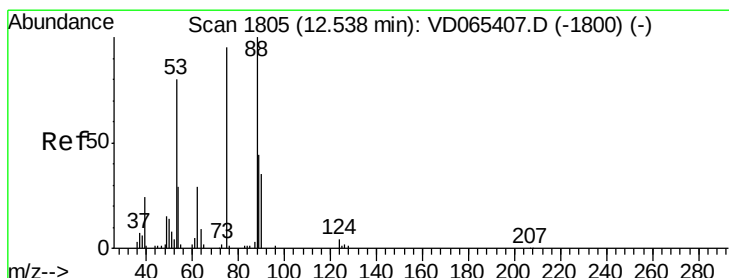
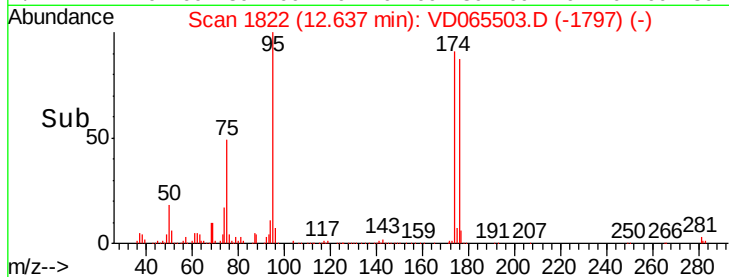
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.587 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065503.D

Acq: 13 Mar 2020 13:58

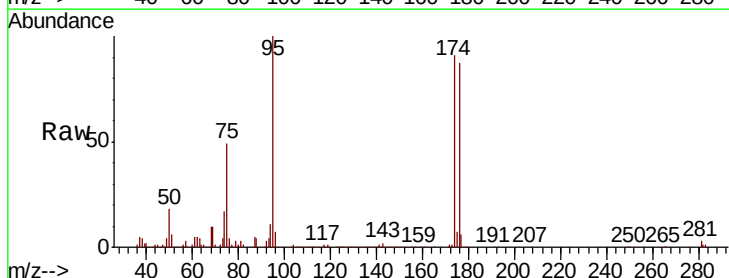
Tgt Ion: 75 Resp: 177474

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

89 0.0 37.0 55.6#



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

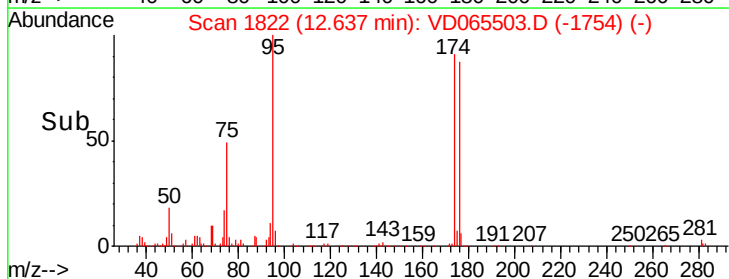
150000

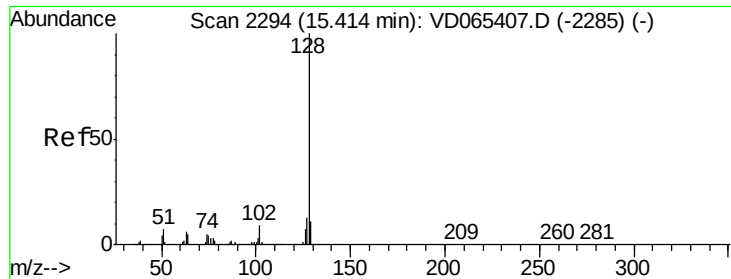
100000

50000

0

Time-->





#95
Naphthalene
Concen: 4.510 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065503.D
Acq: 13 Mar 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.7	10.6	16.0
129	10.3	8.7	13.1

