

Data File : VD065468.D
Acq On : 10 Mar 2020 17:53
Operator : VA/SY
Sample : L1864-07
Misc : 6.98G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Quant Time: Mar 11 01:57:55 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	7.99	168	515261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	902308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	841866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	375801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	267497	60.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.04%	
35) Dibromofluoromethane	7.92	113	292208	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.34	98	1091113	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.64	95	336059	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

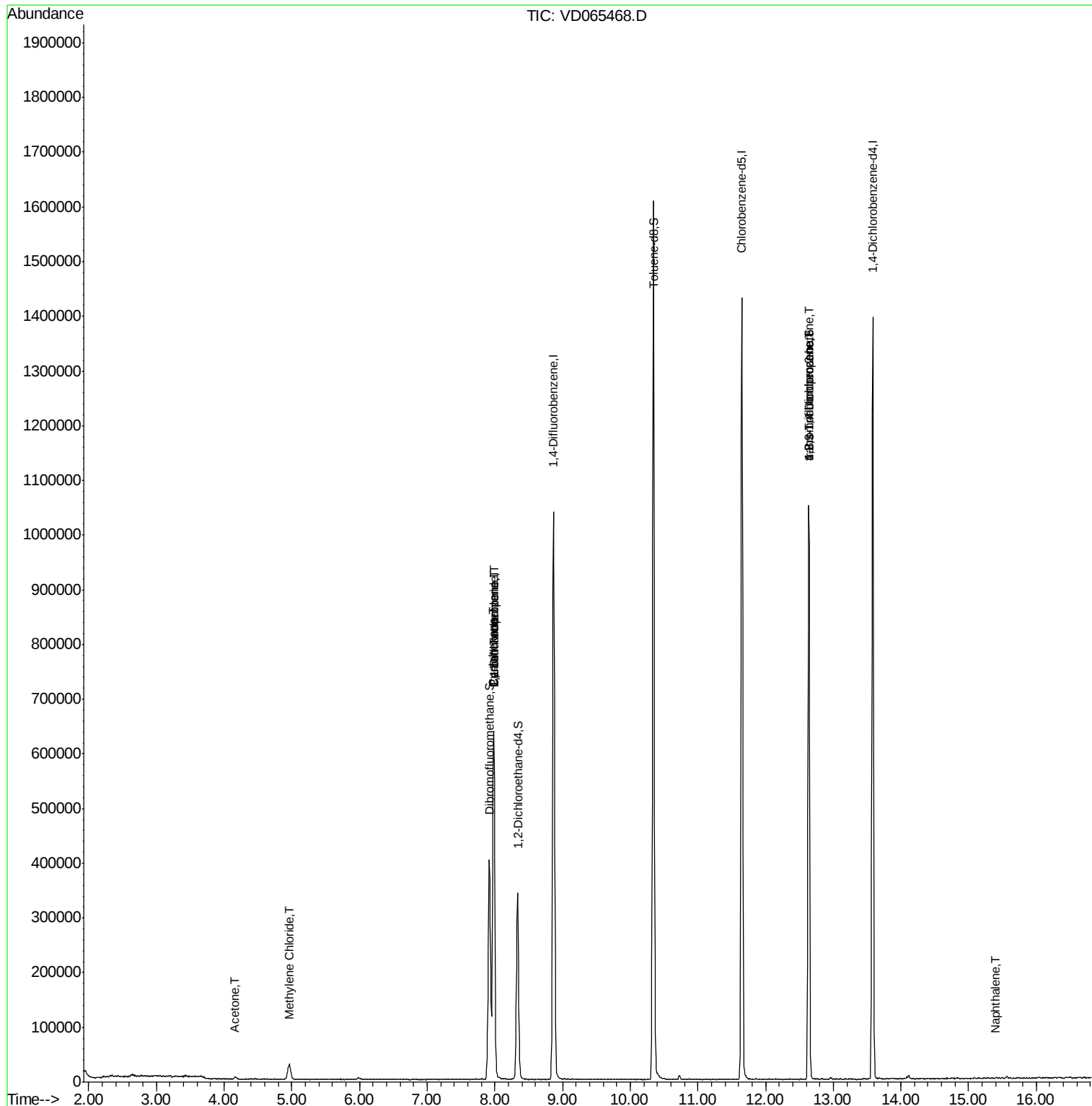
						Qvalue
5) Bromomethane	2.77	94	205	Below Cal	#	76
16) Acetone	4.16	43	6194	6.929	ug/l #	82
20) Methylene Chloride	4.96	84	22315	1.226	ug/l #	91
31) Cyclohexane	7.97	56	9835	1.121	ug/l #	33
36) 1,1-Dichloropropene	7.99	75	35188	4.068	ug/l #	48
38) Carbon Tetrachloride	7.99	117	47882	5.339	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	160847	54.242	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	160847	114.466	ug/l #	14
95) Naphthalene	15.40	128	1068	4.487	ug/l #	75

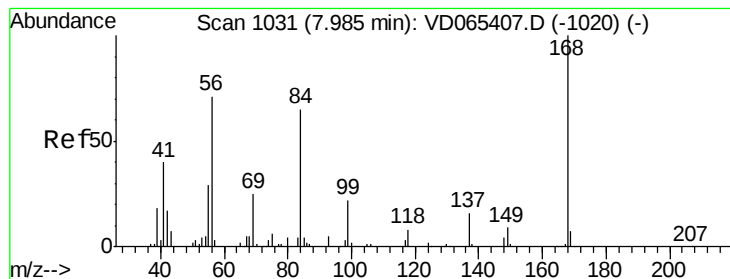
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Instrument :

MSVOA_D

ClientSampled :

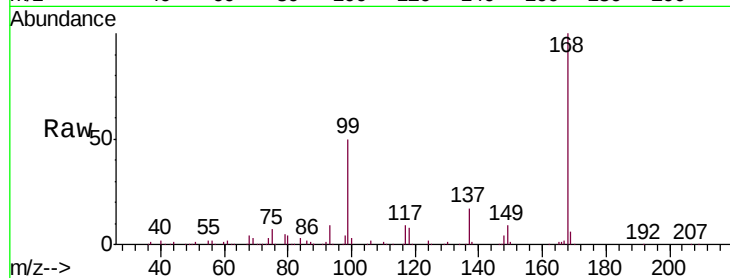
SP-3

Tgt Ion:168 Resp: 515261

Ion Ratio Lower Upper

168 100

99 50.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

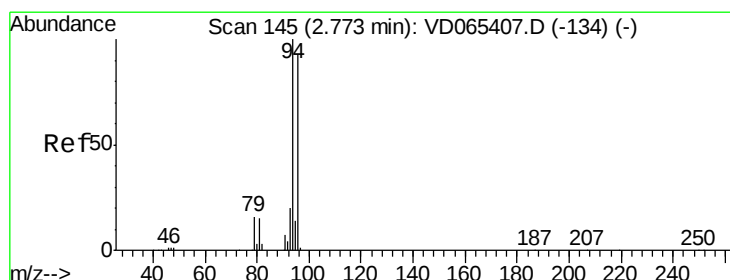
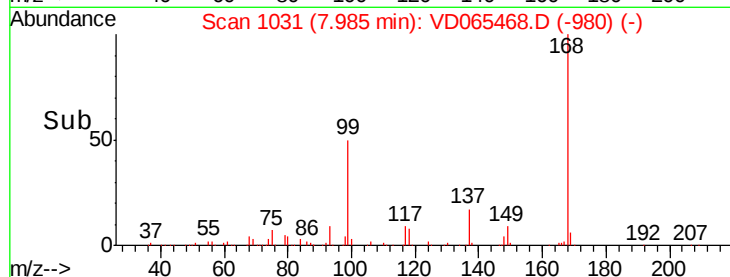
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065468.D

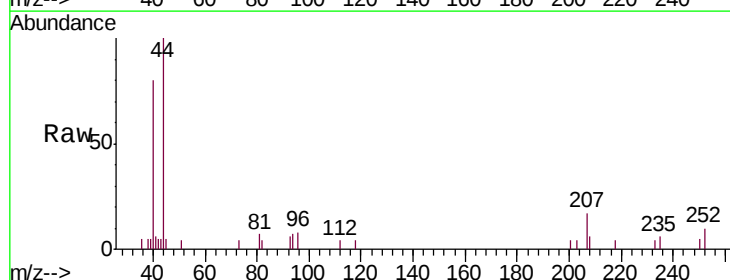
Acq: 10 Mar 2020 17:53

Tgt Ion: 94 Resp: 205

Ion Ratio Lower Upper

94 100

96 116.3 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

300

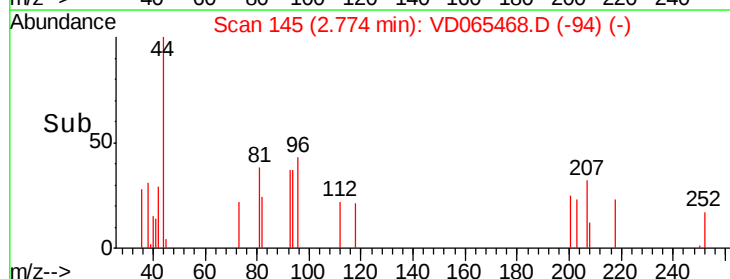
200

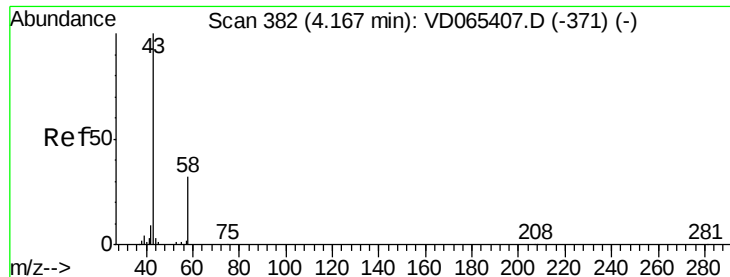
100

0

2.75 2.76 2.77 2.78

Time-->





#16

Acetone

Concen: 6.929 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

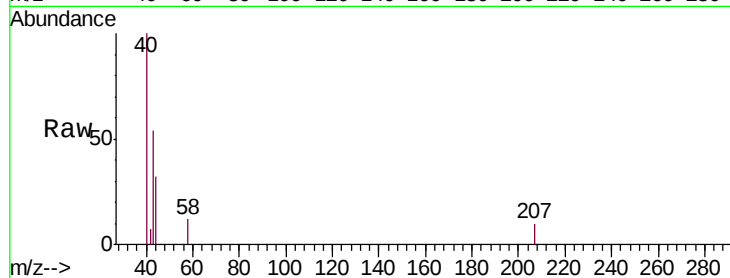
SP-3

Tgt Ion: 43 Resp: 6194

Ion Ratio Lower Upper

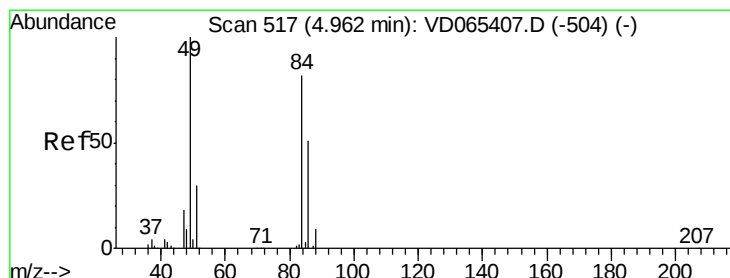
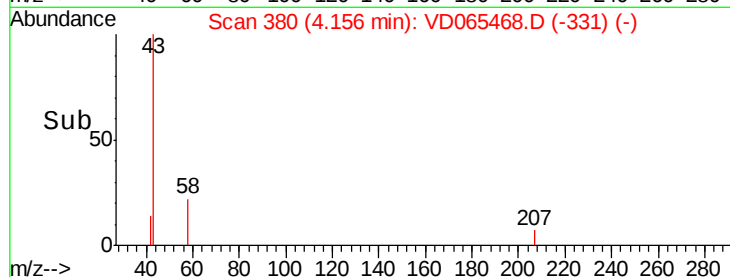
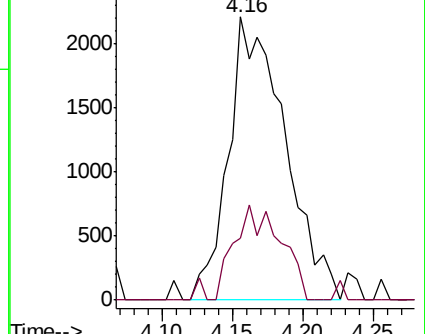
43 100

58 21.7 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.226 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Tgt Ion: 84 Resp: 22315

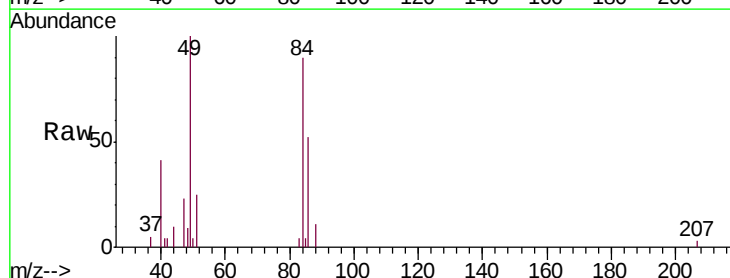
Ion Ratio Lower Upper

84 100

49 111.4 97.7 146.5

51 28.2 28.8 43.2#

86 57.7 49.5 74.3

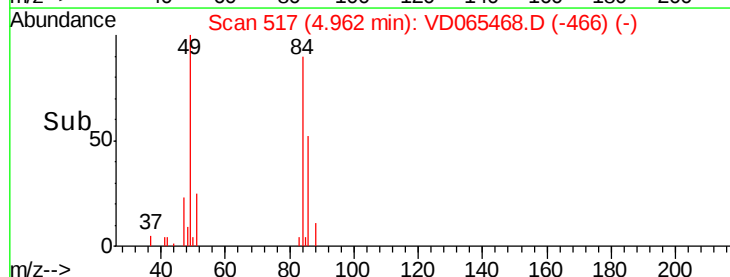
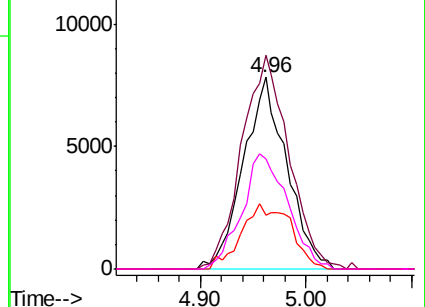


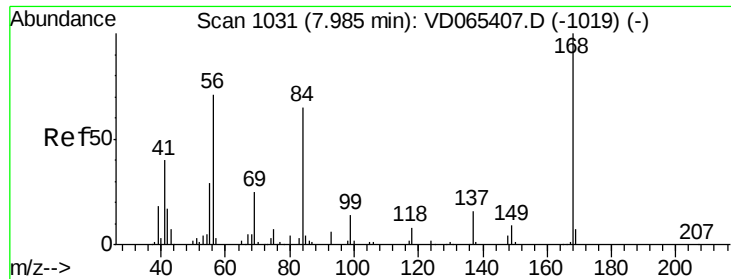
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

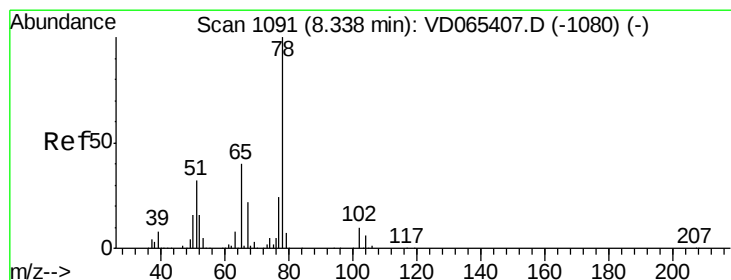
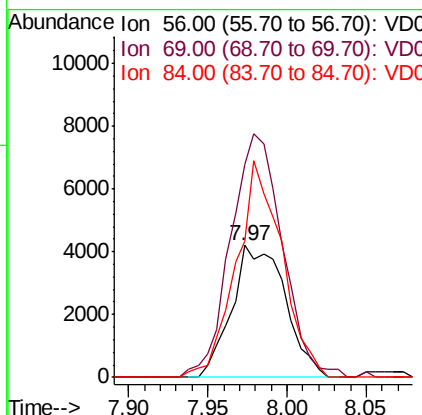
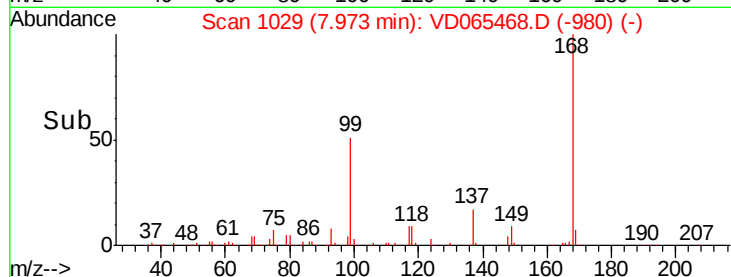
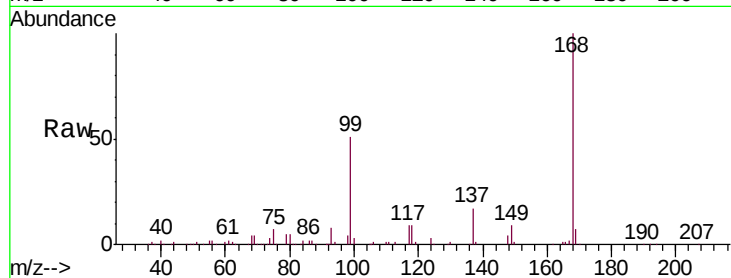




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

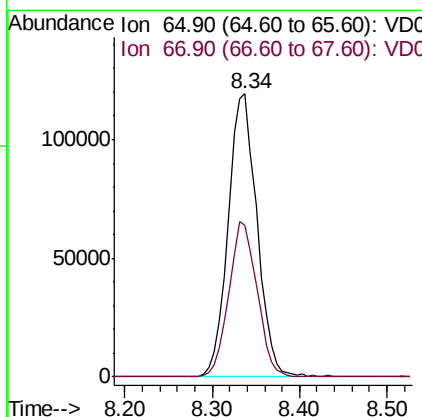
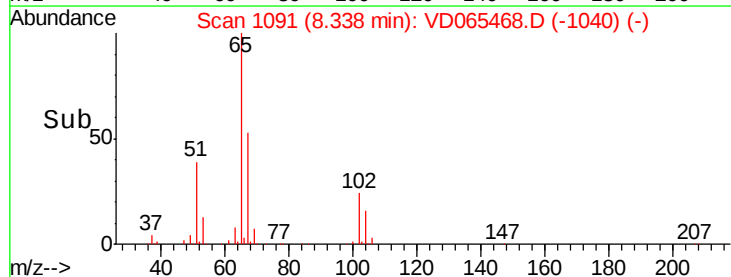
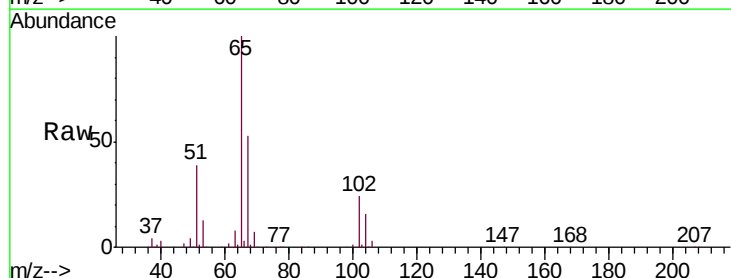
Instrument :
MSVOA_D
ClientSampleId :
SP-3

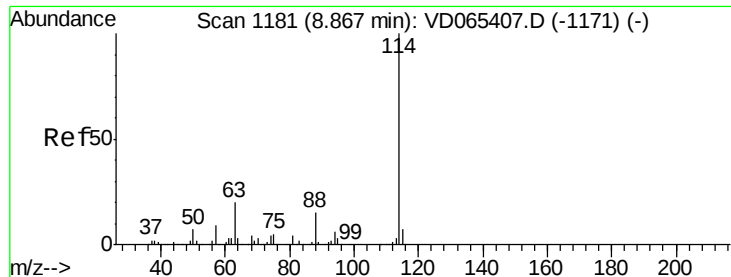
Tgt Ion: 56 Resp: 9835
Ion Ratio Lower Upper
56 100
69 155.3 28.3 42.5#
84 103.7 73.1 109.7



#33
1,2-Dichloroethane-d4
Concen: 60.521 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

Tgt Ion: 65 Resp: 267497
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.0

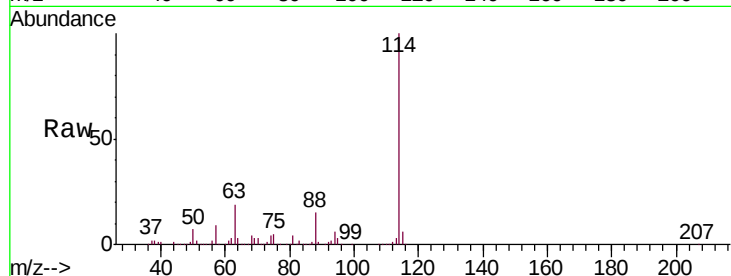




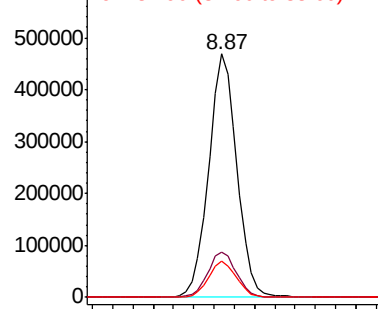
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065468.D
 Acq: 10 Mar 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

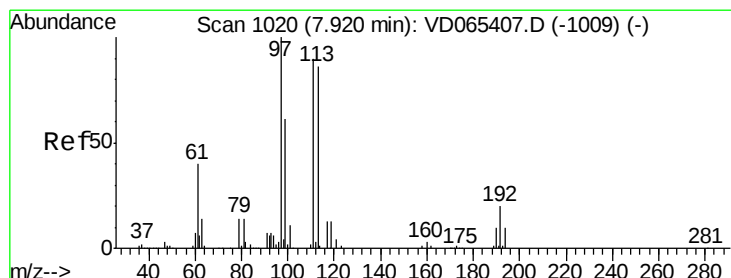
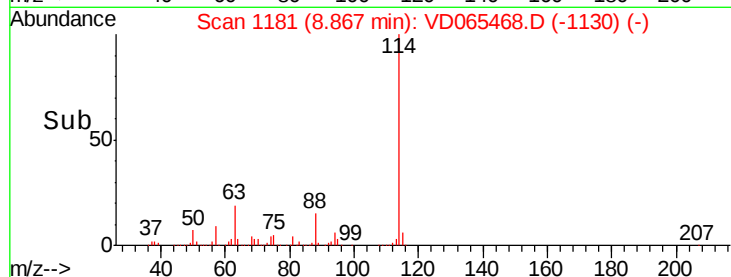
Tgt Ion:114 Resp: 902308
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 14.7 0.0 30.4



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

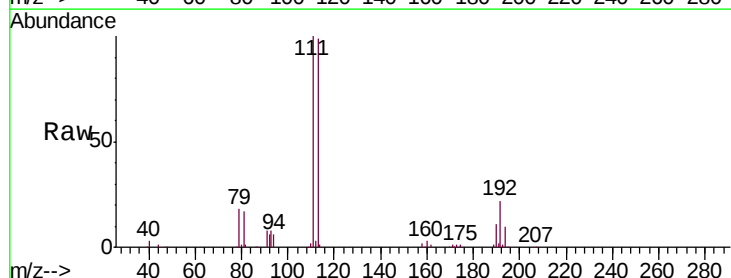


Time-->

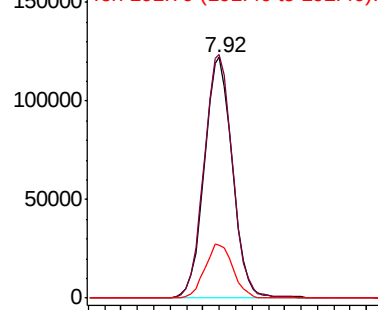


#35
 Dibromofluoromethane
 Concen: 52.368 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065468.D
 Acq: 10 Mar 2020 17:53

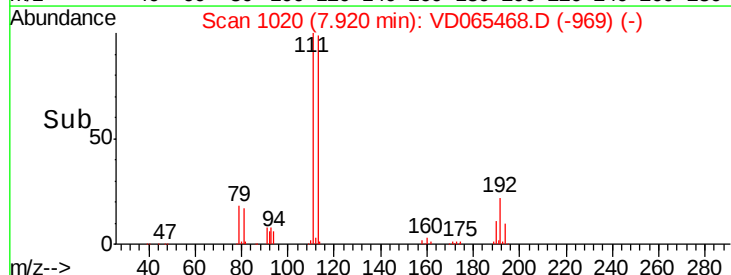
Tgt Ion:113 Resp: 292208
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 22.6 17.2 25.8

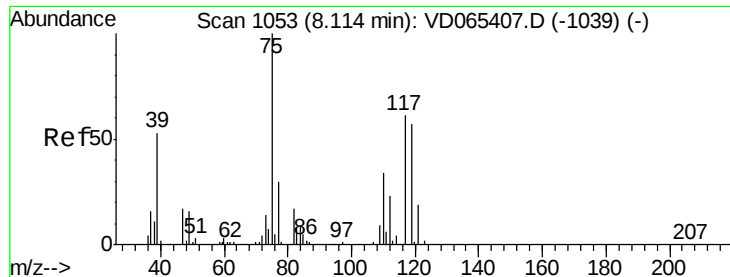


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.068 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Instrument :

MSVOA_D

ClientSampleID :

SP-3

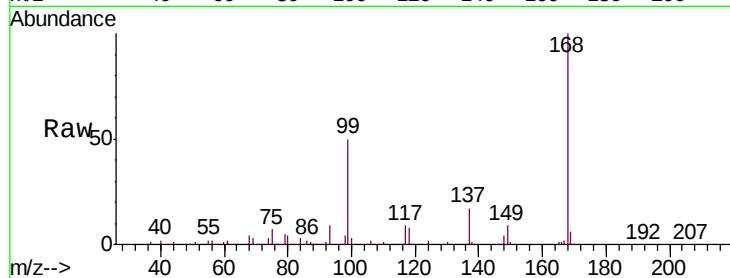
Tgt Ion: 75 Resp: 35188

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.1#

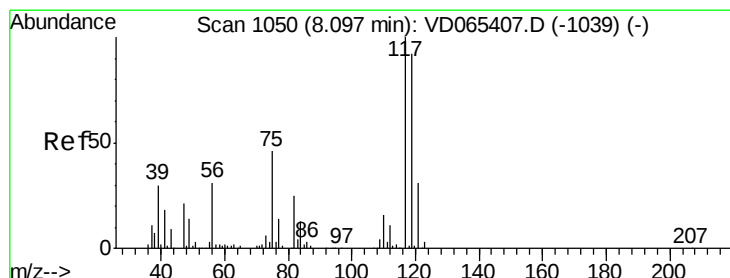
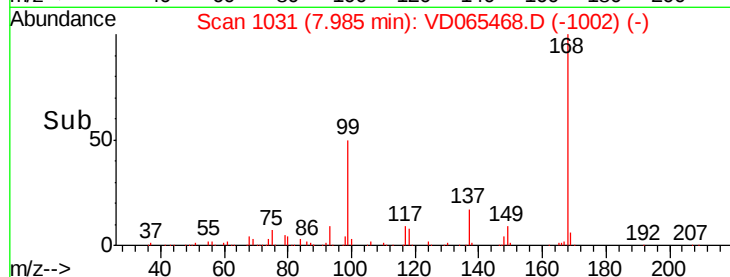
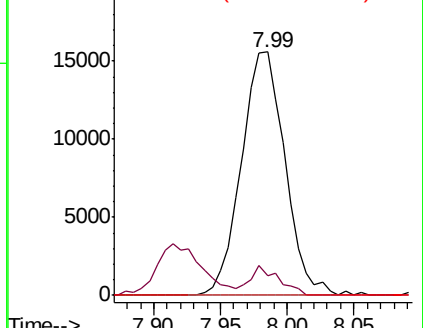
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.339 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

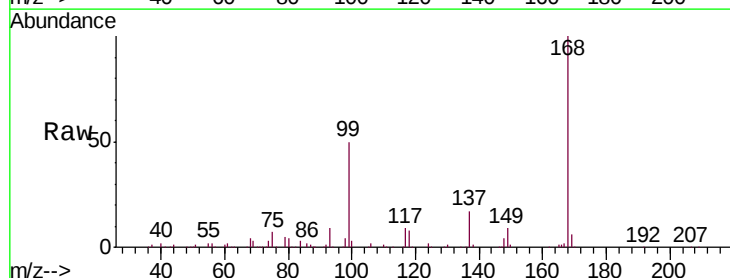
Tgt Ion: 117 Resp: 47882

Ion Ratio Lower Upper

117 100

119 5.2 73.3 109.9#

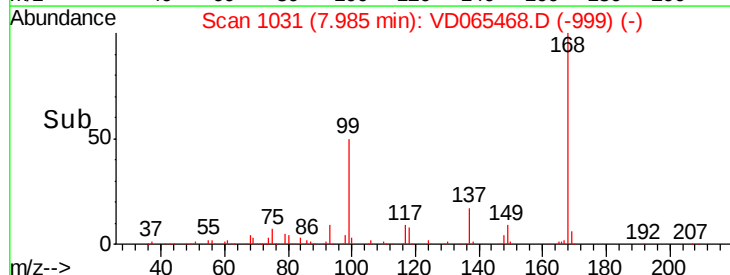
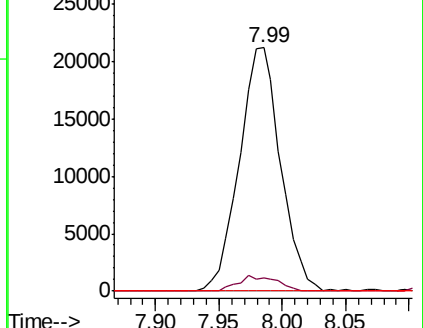
121 0.0 25.0 37.4#

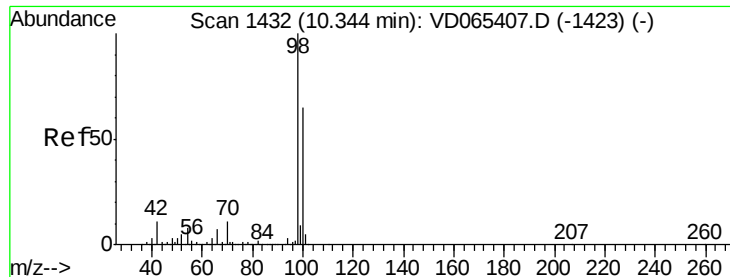


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

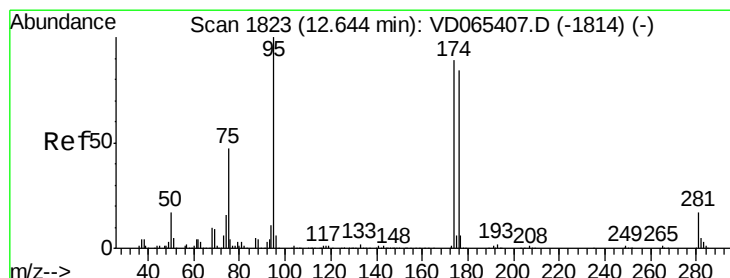
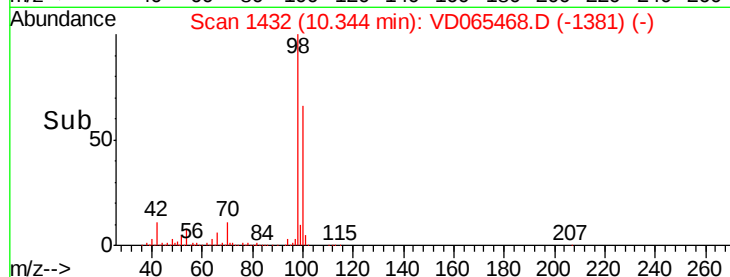
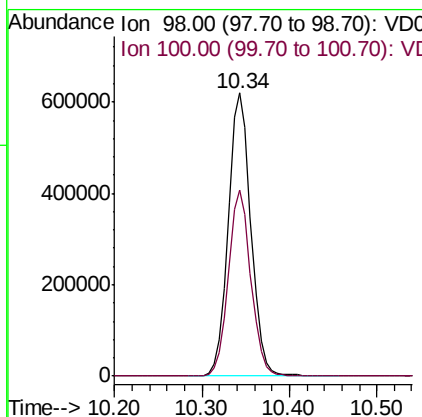
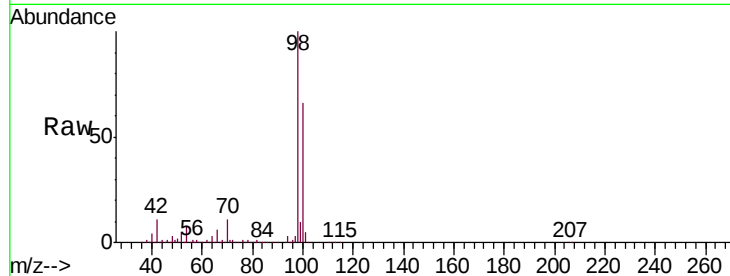




#50
Toluene-d8
Concen: 50.971 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

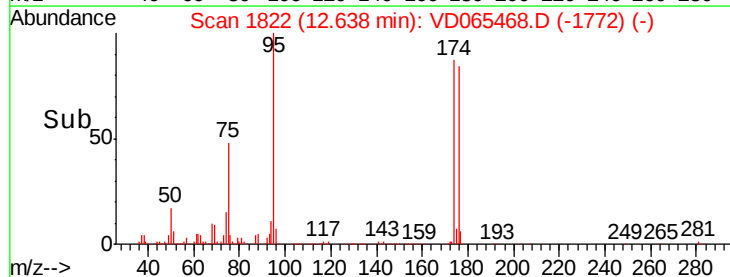
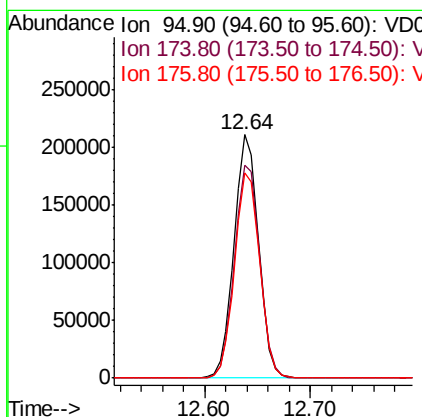
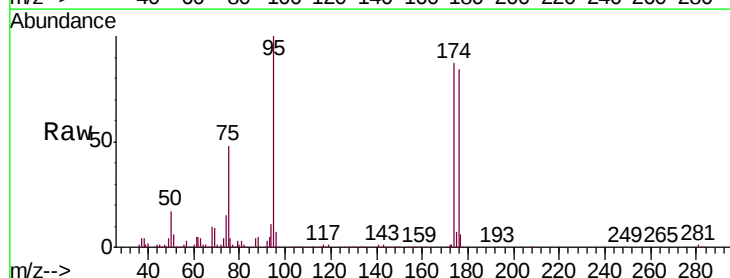
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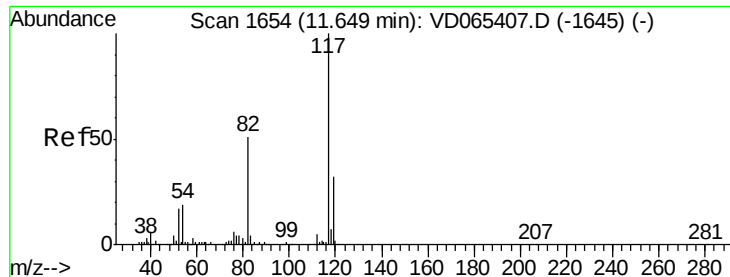
Tgt Ion: 98 Resp: 1091113
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.853 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

Tgt Ion: 95 Resp: 336059
Ion Ratio Lower Upper
95 100
174 90.3 0.0 176.8
176 86.6 0.0 171.4

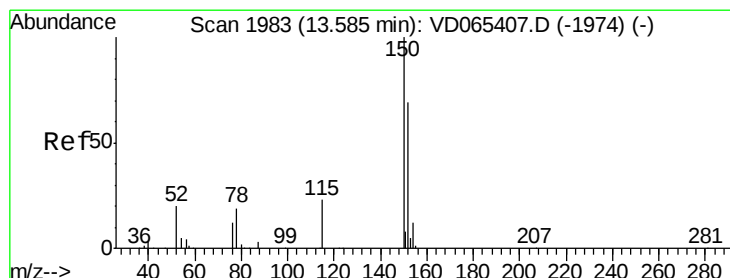
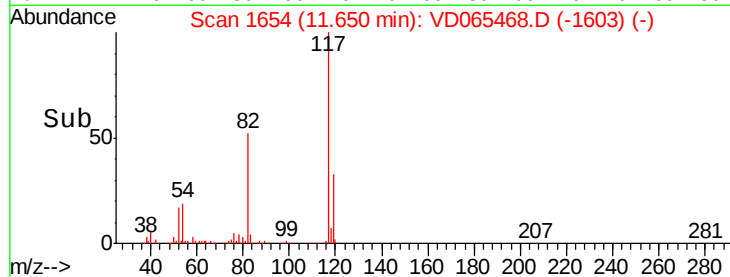
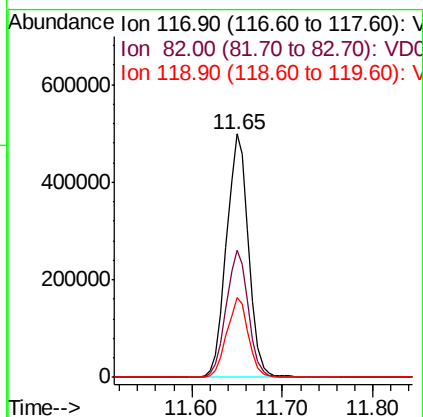
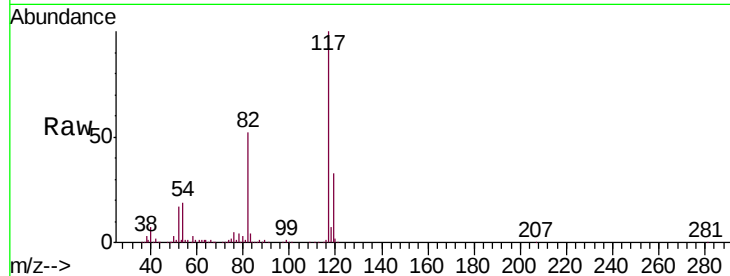




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

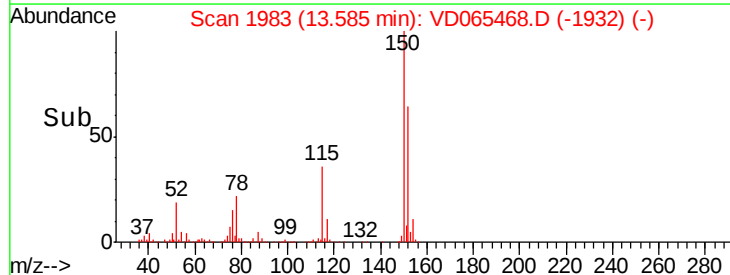
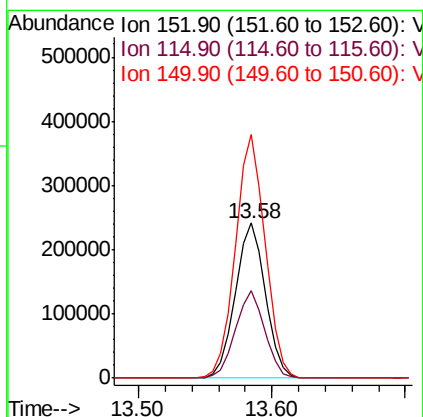
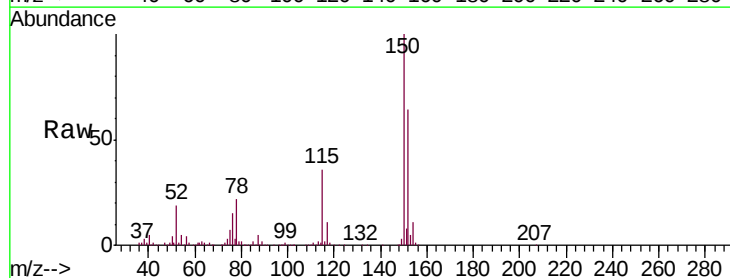
Instrument :
MSVOA_D
ClientSampleId :
SP-3

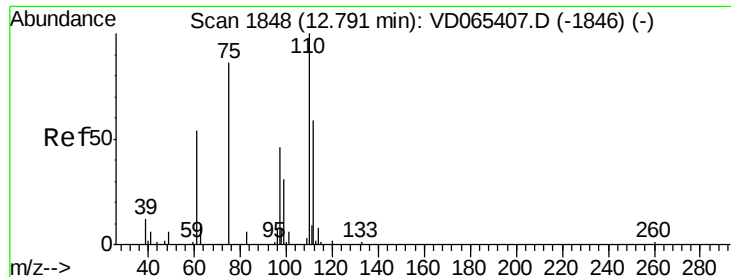
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.6	60.8
119	32.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065468.D
Acq: 10 Mar 2020 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	155.5	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 54.242 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

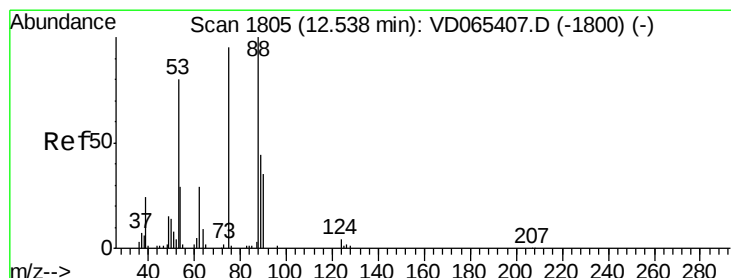
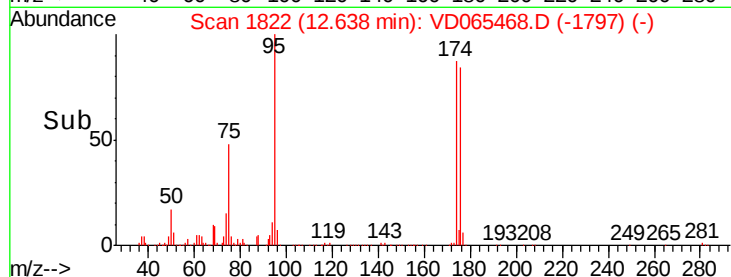
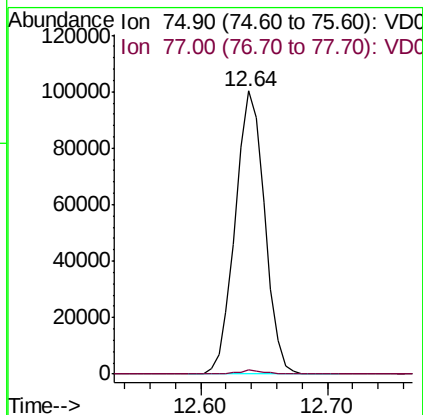
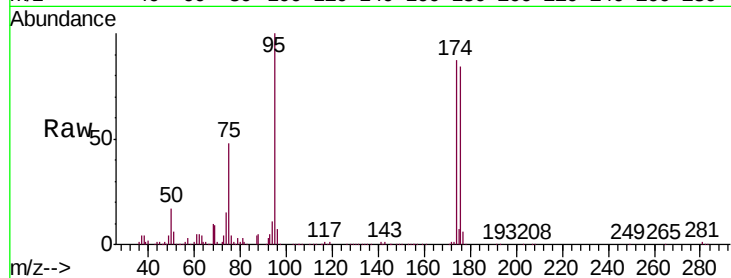
SP-3

Tgt Ion: 75 Resp: 160847

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.466 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

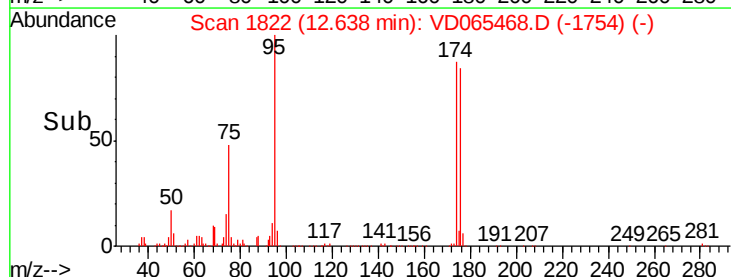
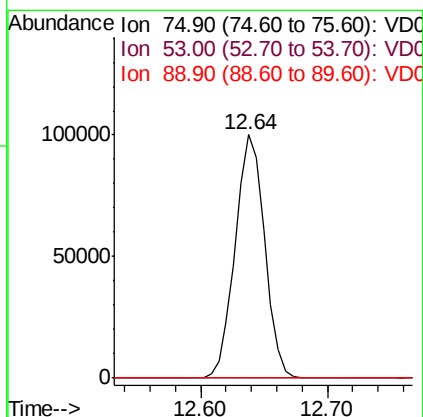
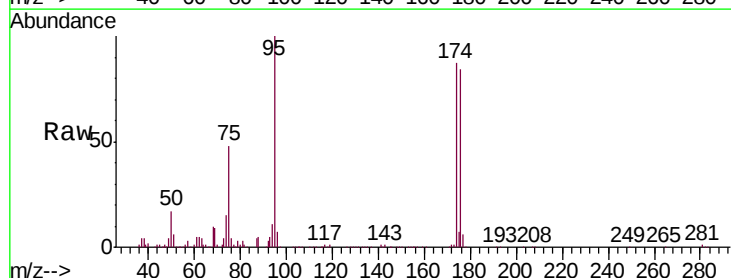
Tgt Ion: 75 Resp: 160847

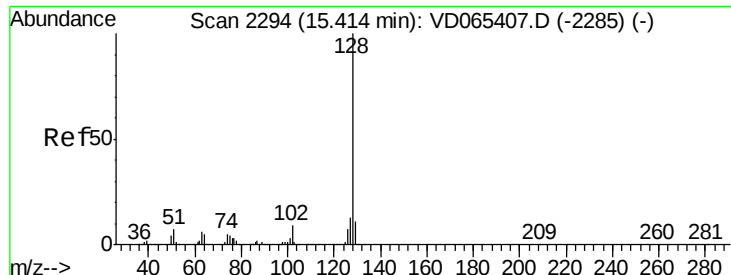
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.487 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065468.D

Acq: 10 Mar 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

SP-3

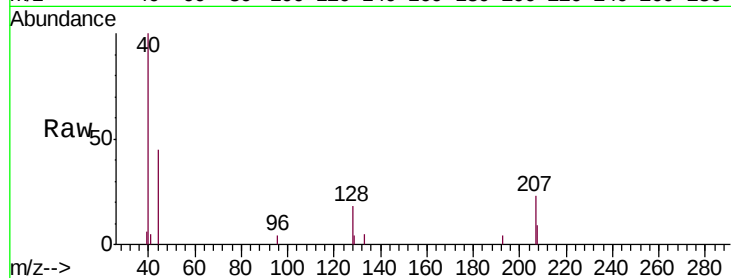
Tgt Ion:128 Resp: 1068

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 5.3 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

15.40

600

400

200

0

15.40

15.45

Time-->

