

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031120\NOT REVIEWED DATA\
 Data File : VD065478.D
 Acq On : 11 Mar 2020 13:34
 Operator : VA/SY
 Sample : L1864-04RE
 Misc : 7.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

Quant Time: Mar 16 11:09:12 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	519194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	889969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	831071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	274703	61.68	ug/l	0.00
Spiked Amount			Recovery	=	123.36%	
35) Dibromofluoromethane	7.92	113	291881	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	10.34	98	1077329	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.64	95	336636	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

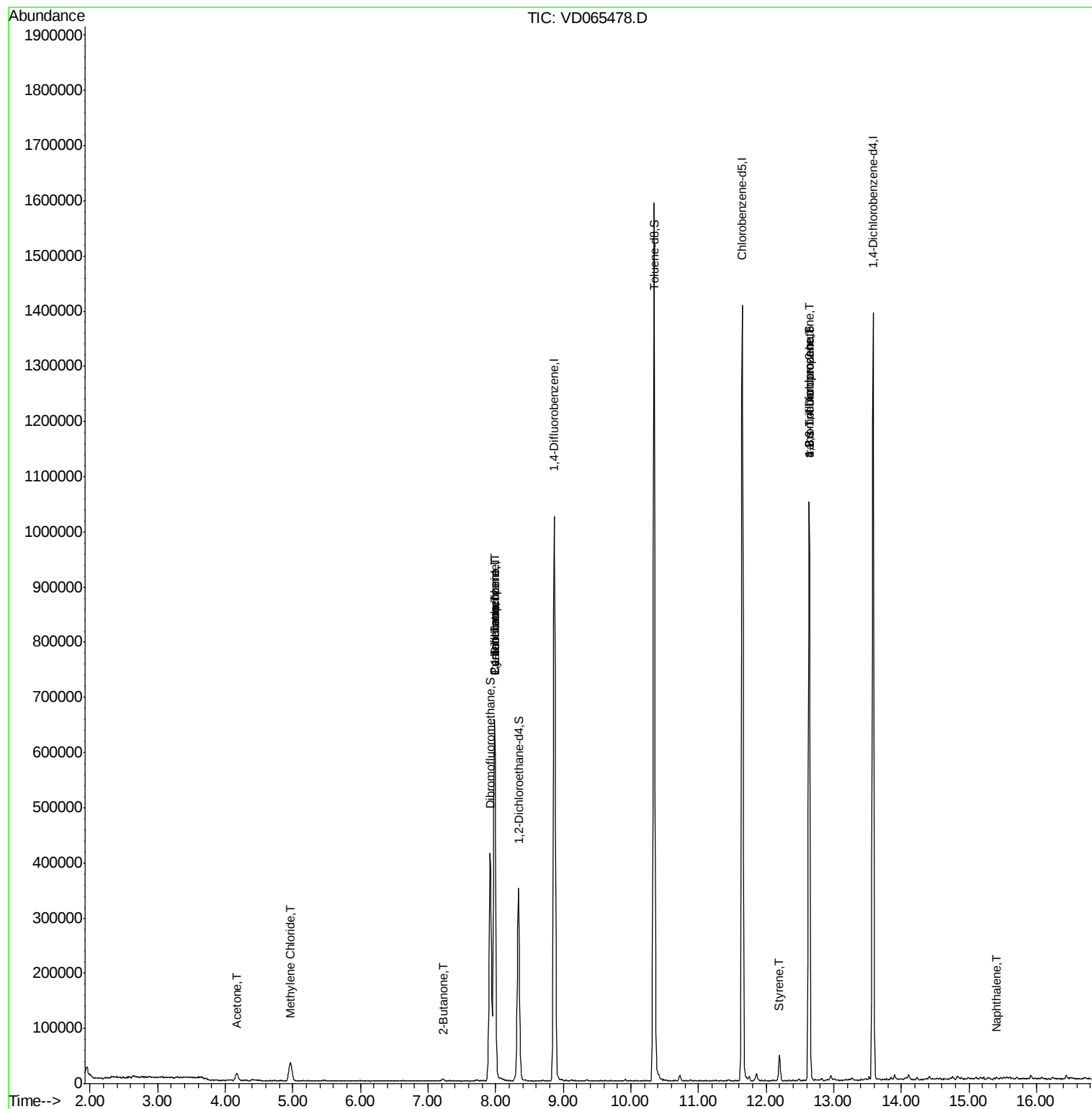
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	845	Below Cal		96
16) Acetone	4.17	43	24399	27.09	ug/l	95
20) Methylene Chloride	4.96	84	27312	2.29	ug/l	96
25) 2-Butanone	7.22	43	1781	1.45	ug/l #	47
31) Cyclohexane	7.99	56	9720	1.10	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	36818	4.32	ug/l #	49
38) Carbon Tetrachloride	7.98	117	46871	5.30	ug/l #	19
70) Styrene	12.20	104	22711	1.34	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	163827	54.38	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163827	114.76	ug/l #	14
95) Naphthalene	15.41	128	2583	4.60	ug/l #	84

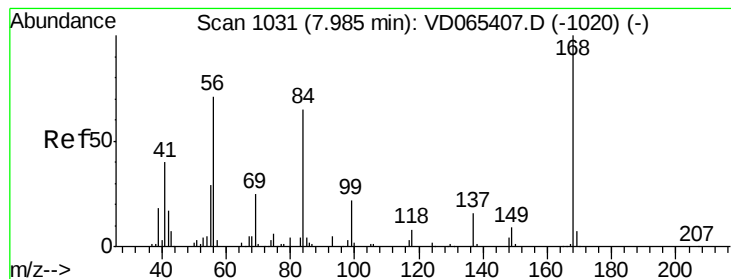
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065478.D

Acq: 11 Mar 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

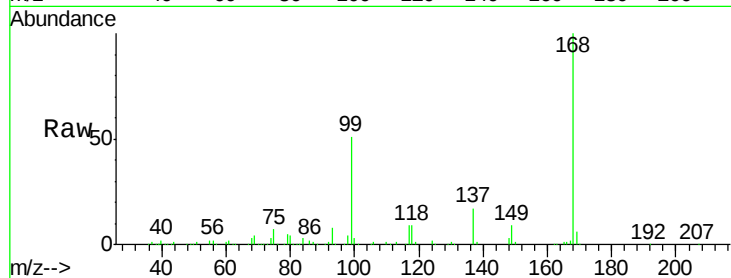
SP-2RE

Tgt Ion:168 Resp: 519194

Ion Ratio Lower Upper

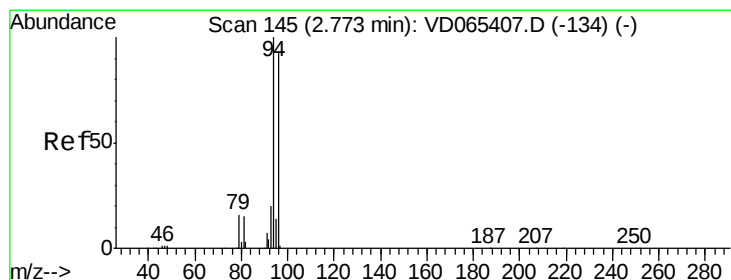
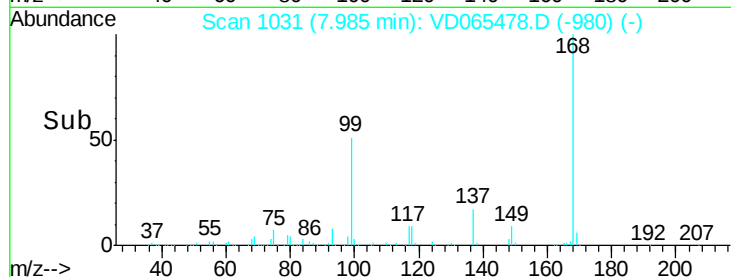
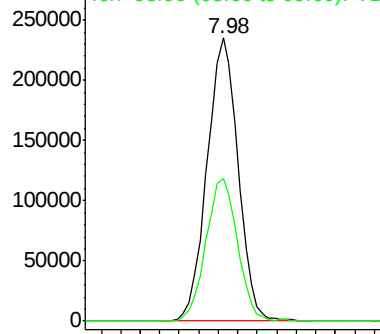
168 100

99 50.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065478.D

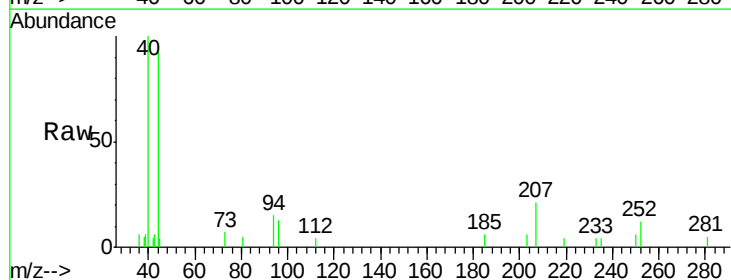
Acq: 11 Mar 2020 13:34

Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

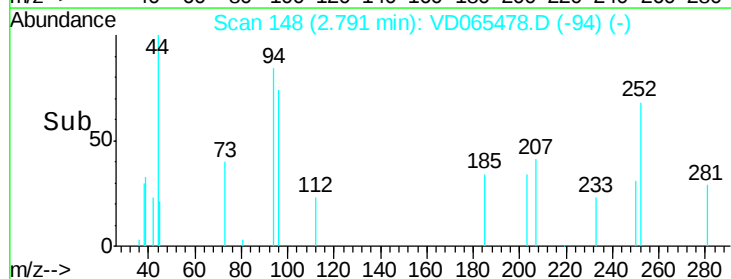
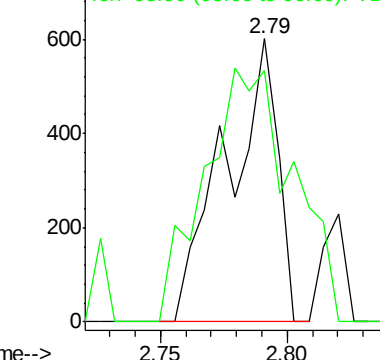
94 100

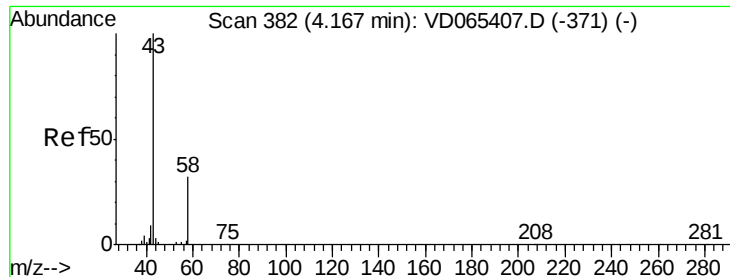
96 88.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 27.09 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065478.D

Acq: 11 Mar 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

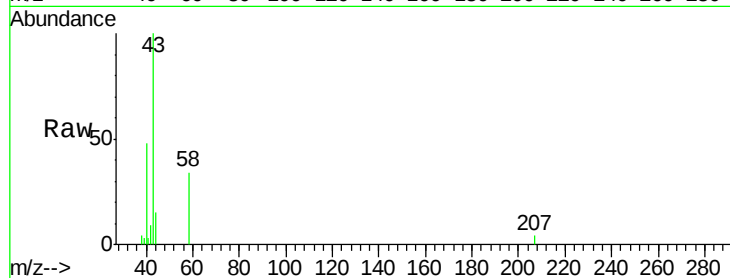
SP-2RE

Tgt Ion: 43 Resp: 24399

Ion Ratio Lower Upper

43 100

58 34.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

6000

4000

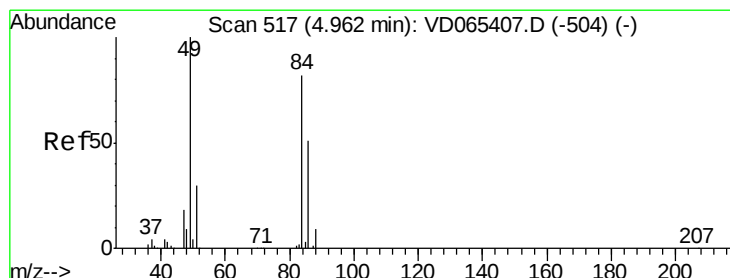
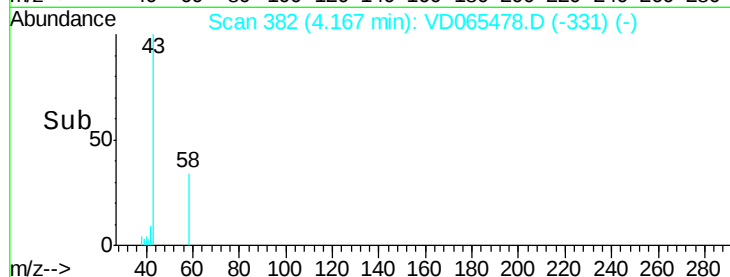
2000

0

Time-->

4.10

4.20



#20

Methylene Chloride

Concen: 2.29 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065478.D

Acq: 11 Mar 2020 13:34

Tgt Ion: 84 Resp: 27312

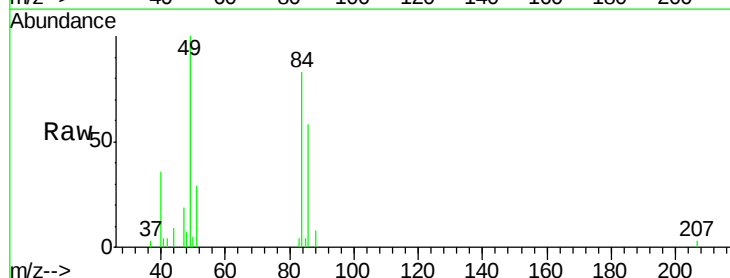
Ion Ratio Lower Upper

84 100

49 120.2 97.7 146.5

51 35.5 28.8 43.2

86 69.5 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

15000

10000

5000

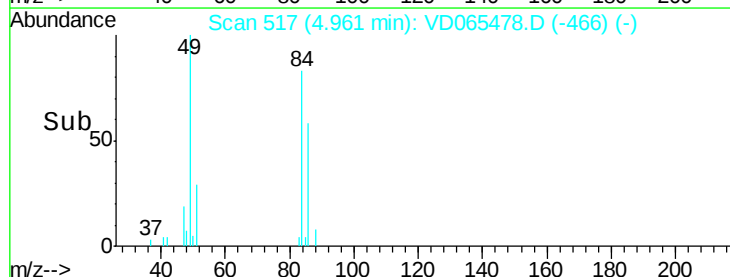
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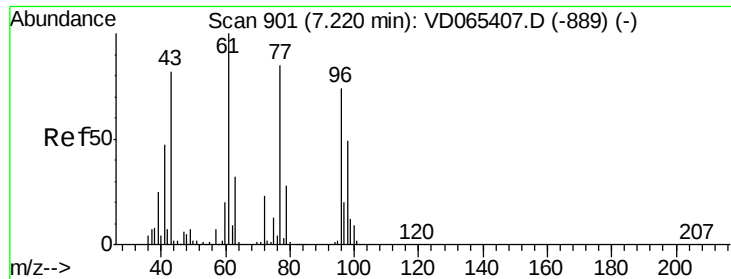
Time-->

4.90

5.00

5.10

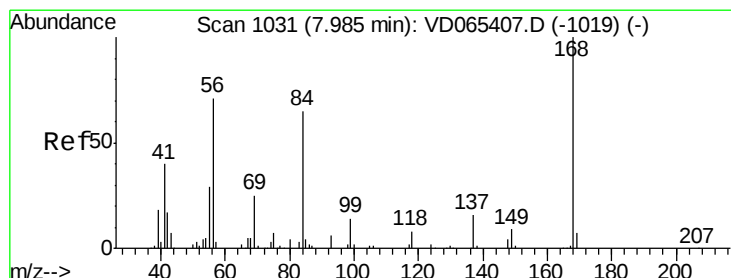
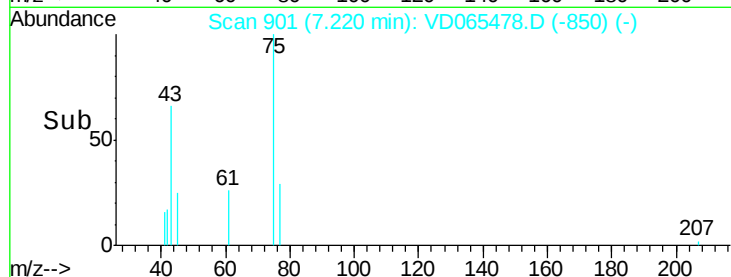
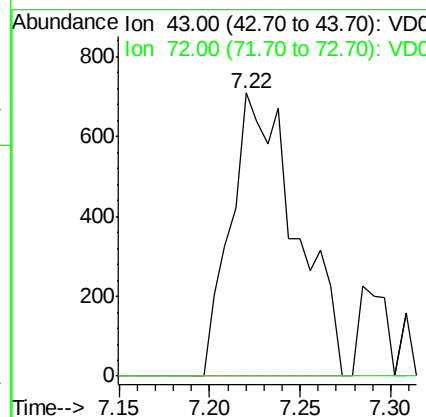
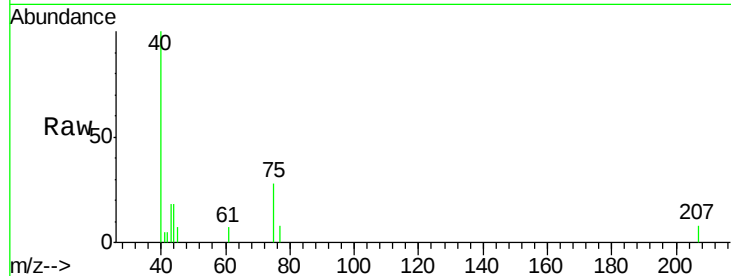




#25
2-Butanone
Concen: 1.45 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

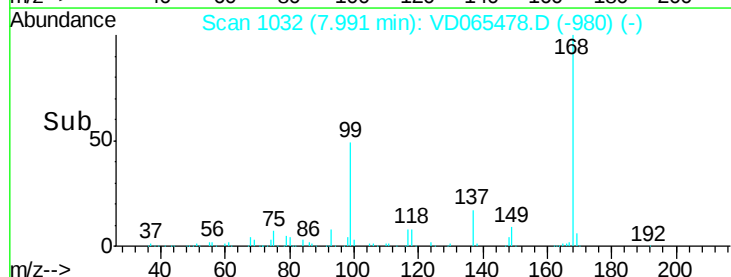
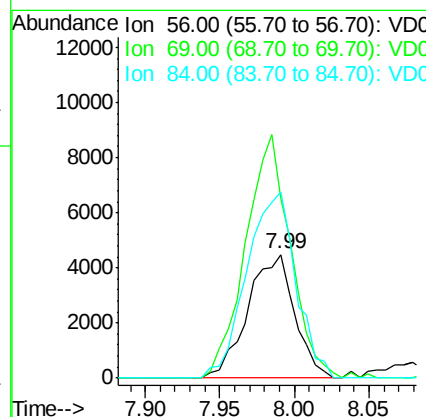
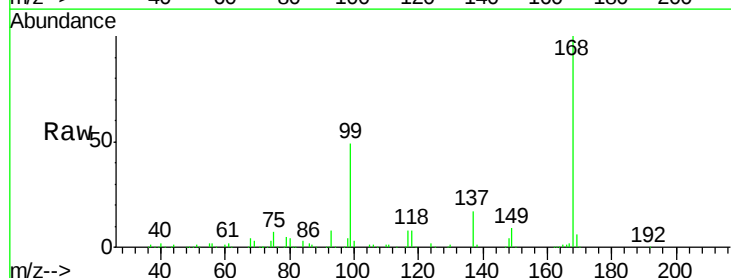
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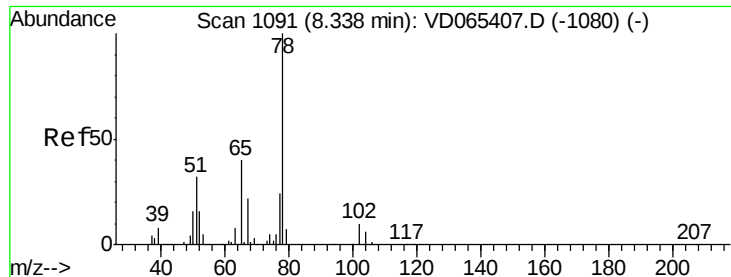
Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

Tgt Ion: 56 Resp: 9720
Ion Ratio Lower Upper
56 100
69 145.5 28.3 42.5#
84 150.8 73.1 109.7#

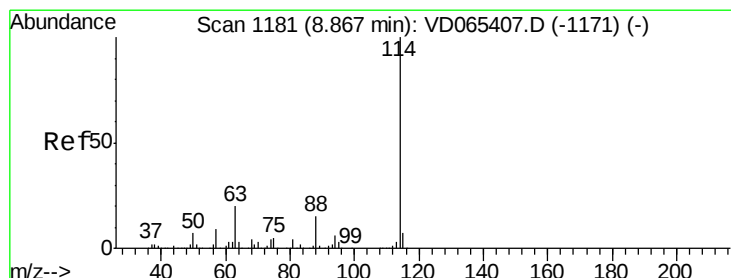
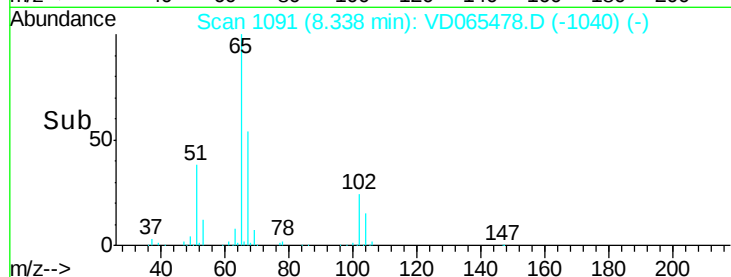
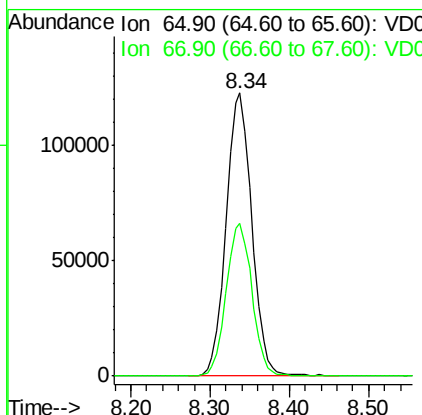
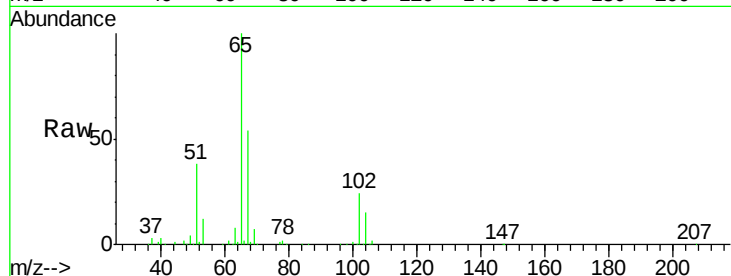




#33
 1,2-Dichloroethane-d4
 Concen: 61.68 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065478.D
 Acq: 11 Mar 2020 13:34

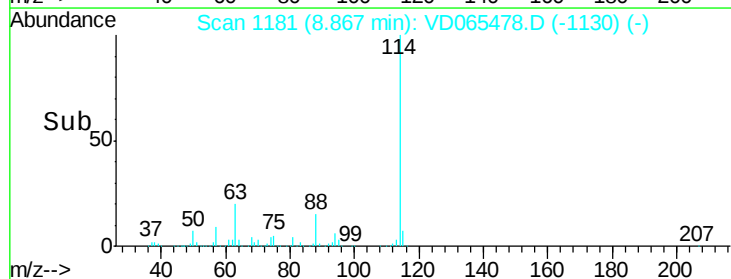
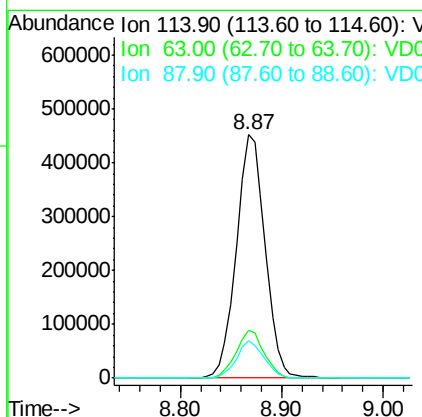
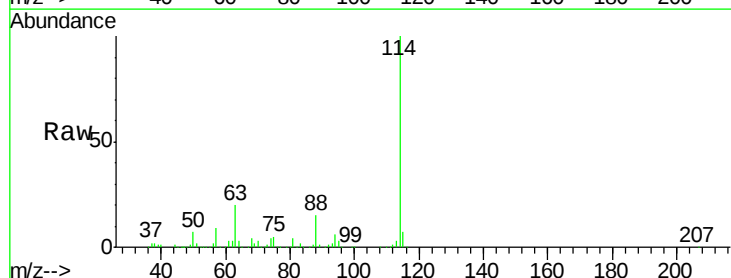
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

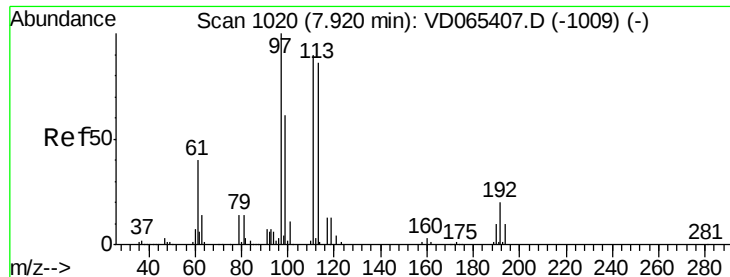
Tgt Ion: 65 Resp: 274703
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065478.D
 Acq: 11 Mar 2020 13:34

Tgt Ion: 114 Resp: 889969
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.2 0.0 30.4

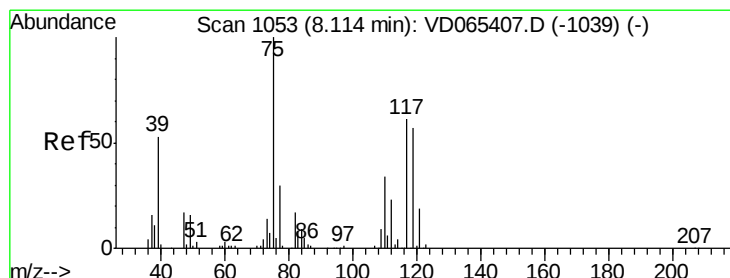
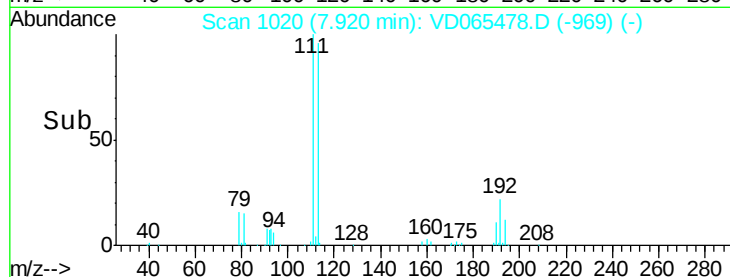
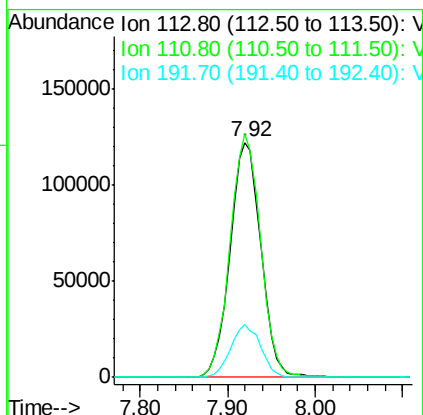
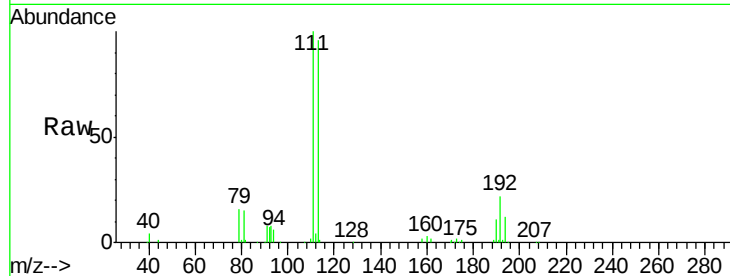




#35
 Dibromofluoromethane
 Concen: 53.03 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065478.D
 Acq: 11 Mar 2020 13:34

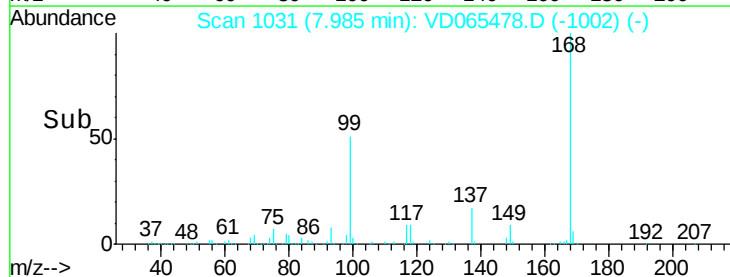
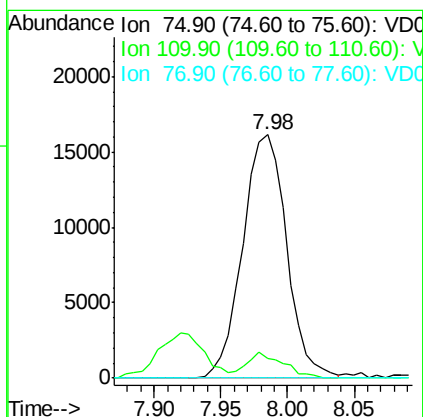
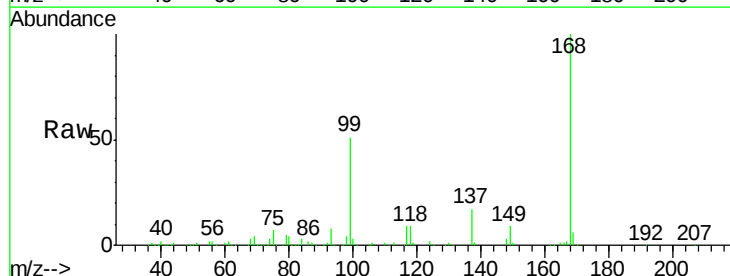
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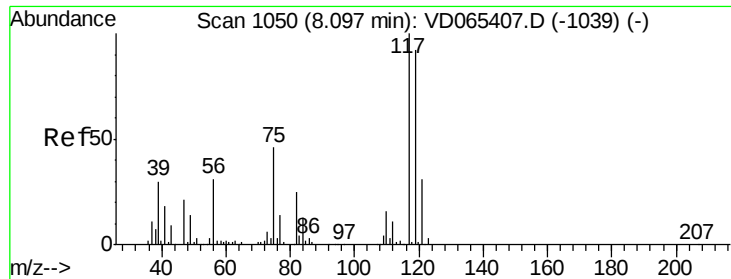
Tgt Ion: 113 Resp: 291881
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.1 123.1
 192 21.8 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065478.D
 Acq: 11 Mar 2020 13:34

Tgt Ion: 75 Resp: 36818
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.2 37.8#

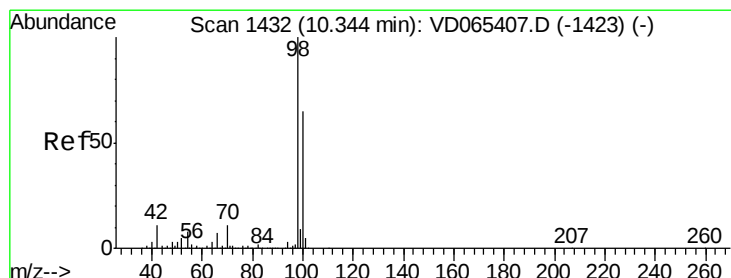
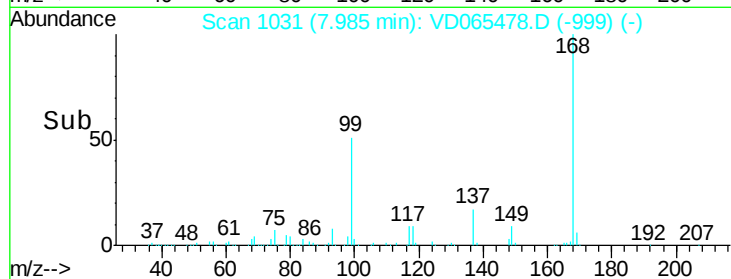
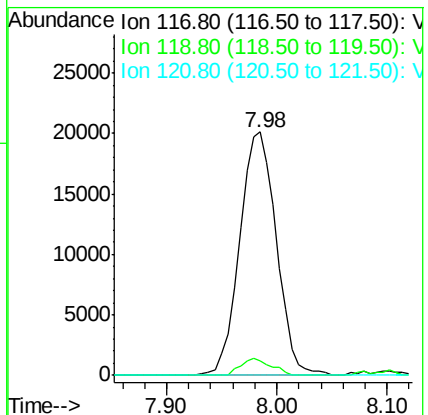
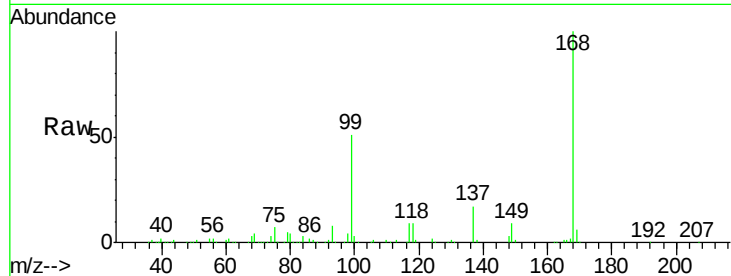




#38
Carbon Tetrachloride
Concen: 5.30 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

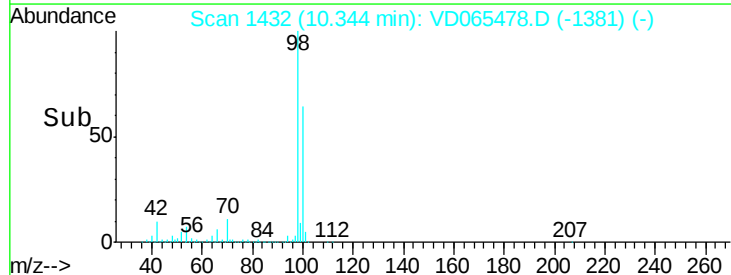
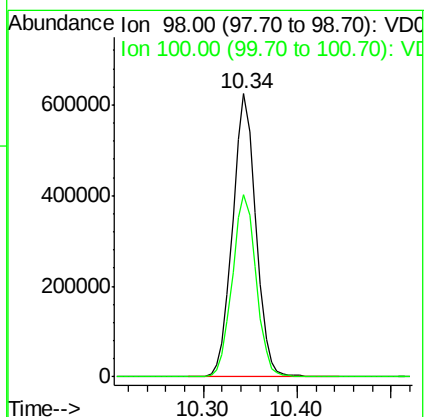
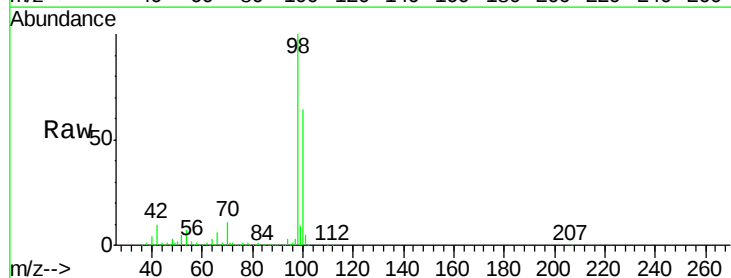
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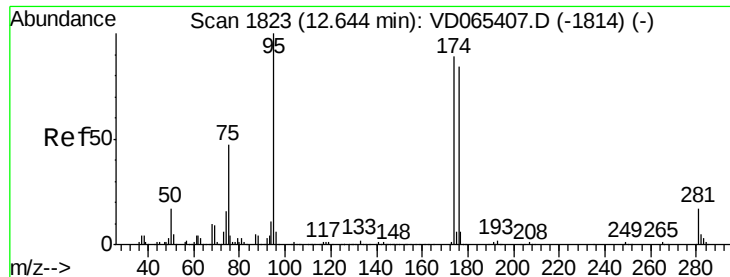
Tgt Ion:117 Resp: 46871
Ion Ratio Lower Upper
117 100
119 6.2 73.3 109.9#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.02 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

Tgt Ion: 98 Resp: 1077329
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2

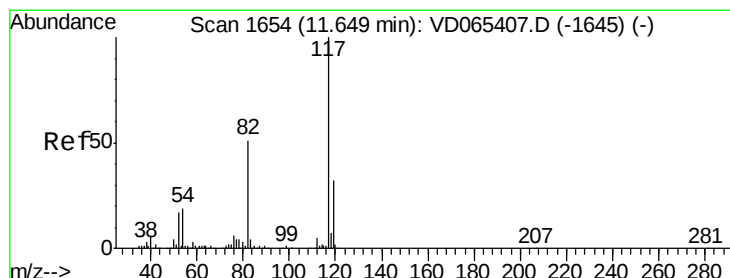
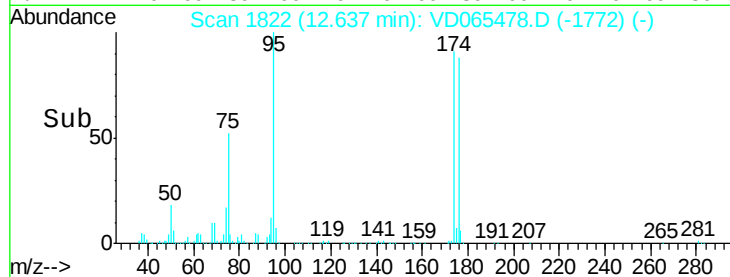
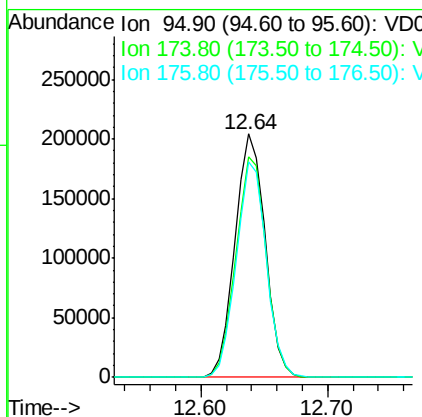
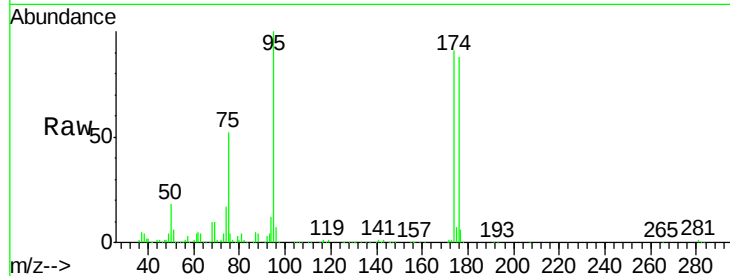




#62
4-Bromofluorobenzene
Concen: 51.65 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

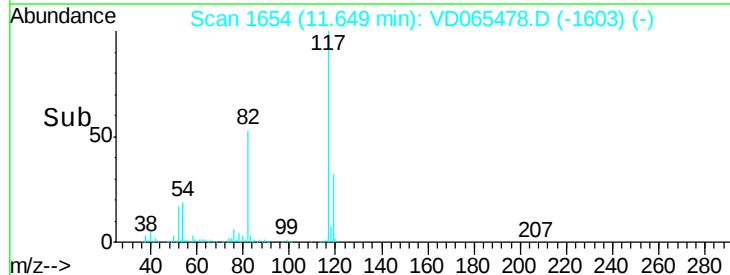
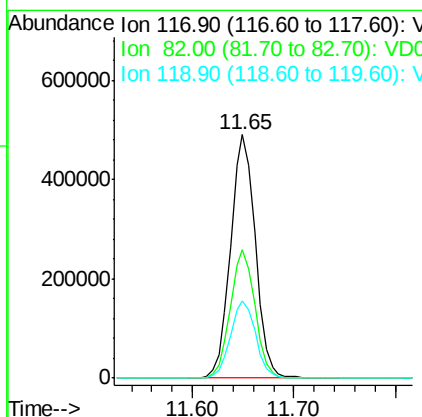
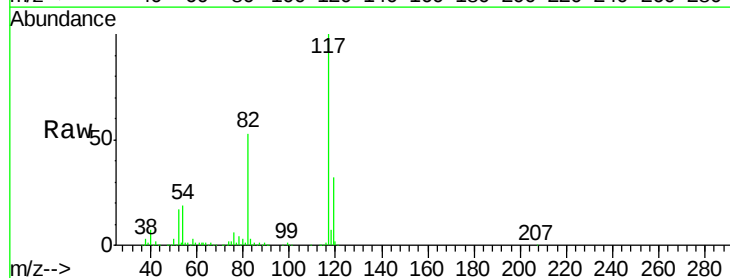
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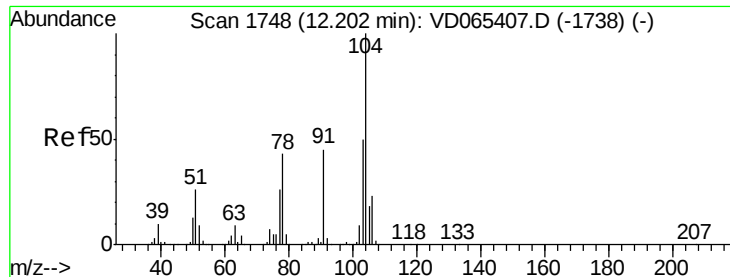
Tgt Ion: 95 Resp: 336636
Ion Ratio Lower Upper
95 100
174 90.8 0.0 176.8
176 87.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

Tgt Ion: 117 Resp: 831071
Ion Ratio Lower Upper
117 100
82 53.0 40.6 60.8
119 31.9 25.4 38.2

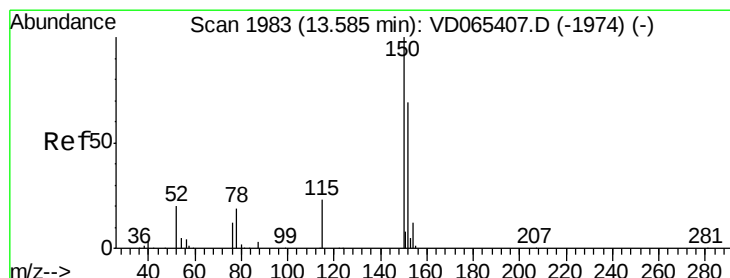
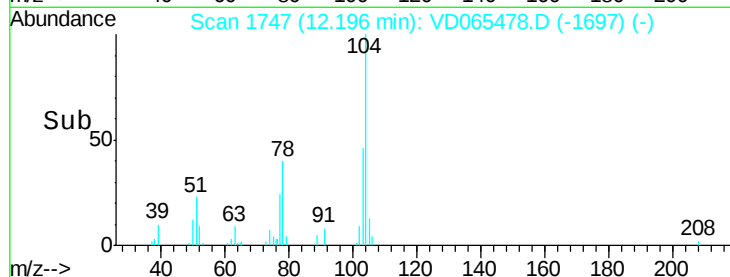
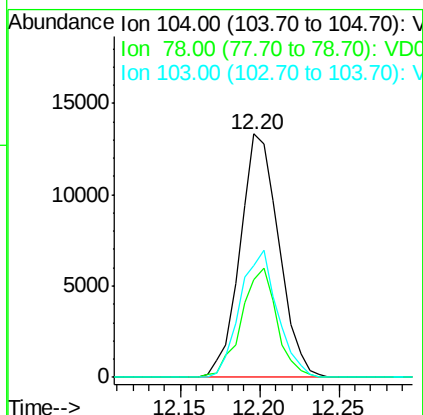
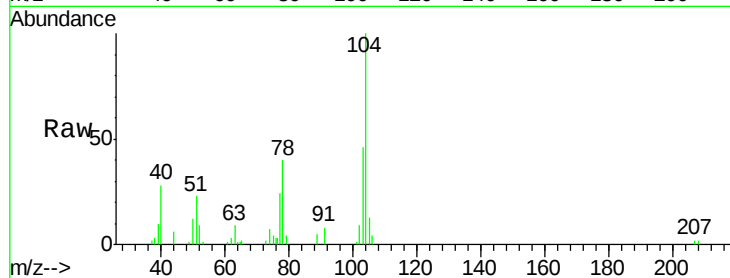




#70
Styrene
Concen: 1.34 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

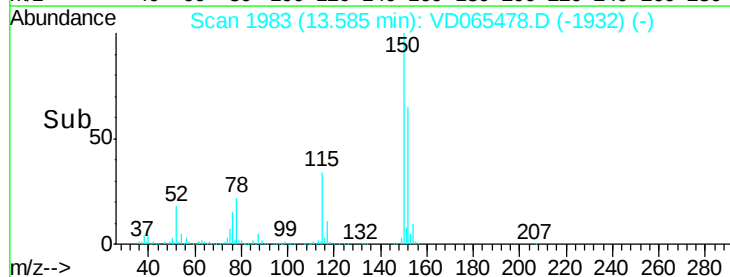
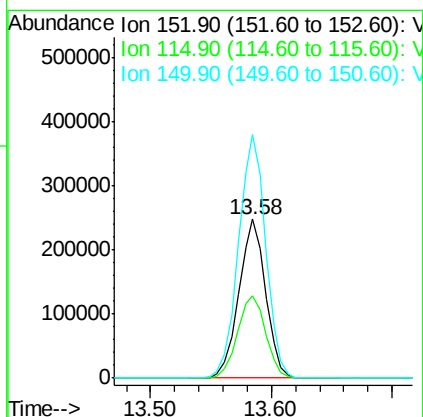
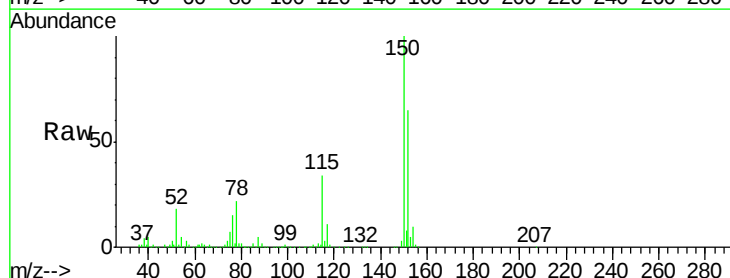
Instrument :
MSVOA_D
ClientSampleId :
SP-2RE

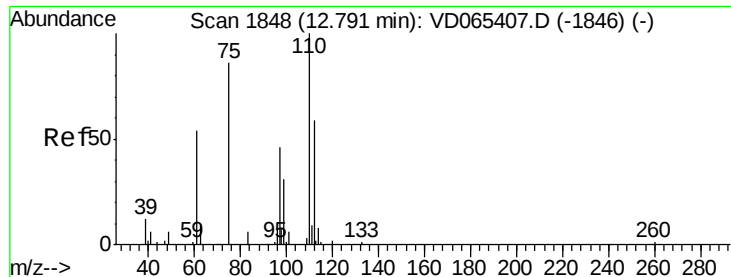
Tgt Ion:104 Resp: 22711
Ion Ratio Lower Upper
104 100
78 40.9 37.7 56.5
103 50.1 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065478.D
Acq: 11 Mar 2020 13:34

Tgt Ion:152 Resp: 381768
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.8
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.38 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065478.D

Acq: 11 Mar 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

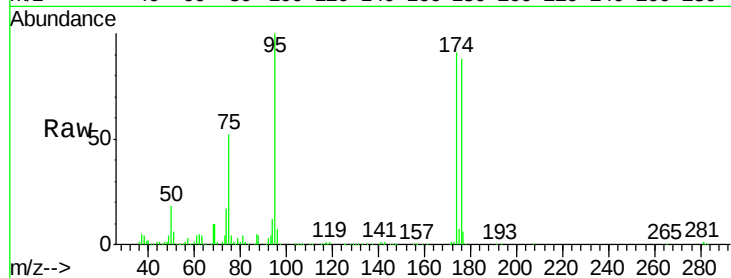
SP-2RE

Tgt Ion: 75 Resp: 163827

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

12.64

100000

80000

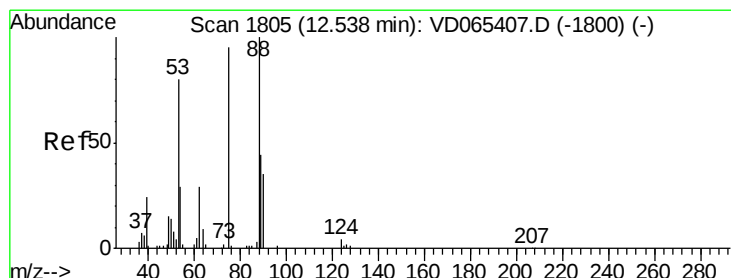
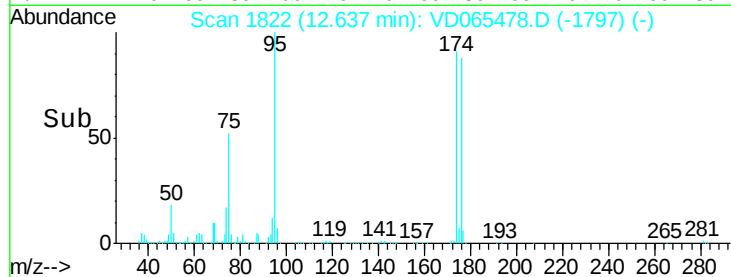
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 114.76 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065478.D

Acq: 11 Mar 2020 13:34

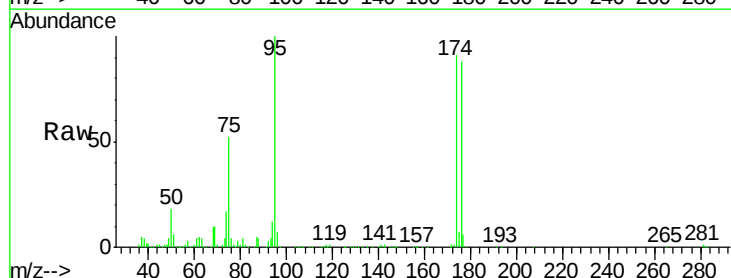
Tgt Ion: 75 Resp: 163827

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

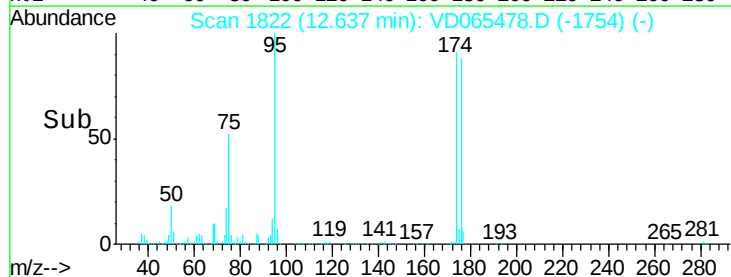
12.64

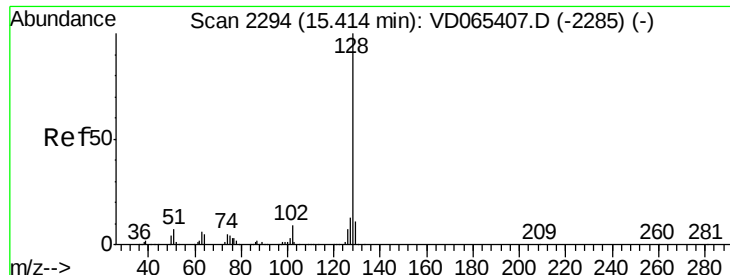
100000

50000

0

Time-->





#95

Naphthalene

Concen: 4.60 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065478.D

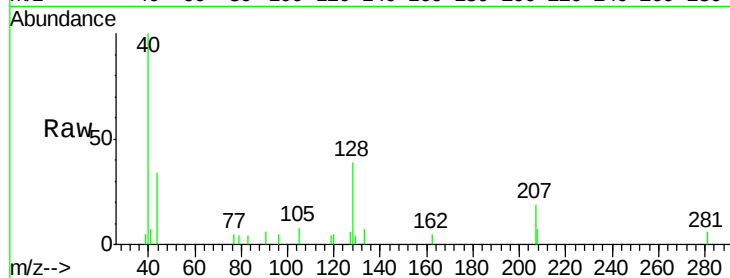
Acq: 11 Mar 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE



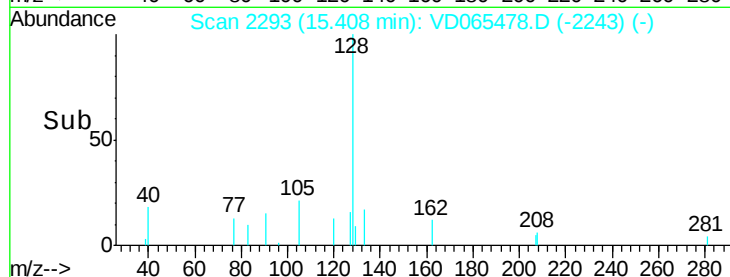
Tgt Ion:128 Resp: 2583

Ion Ratio Lower Upper

128 100

127 8.9 10.6 16.0#

129 2.2 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

