

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066049.D
 Acq On : 24 Jul 2020 16:06
 Operator : VA/SY
 Sample : L3414-02
 Misc : 7.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 61820

Quant Time: Jul 24 23:54:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	297062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	461302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	496659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	121457	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.91	113	139680	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.34	98	555400	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.64	95	218389	60.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.86%	

Target Compounds

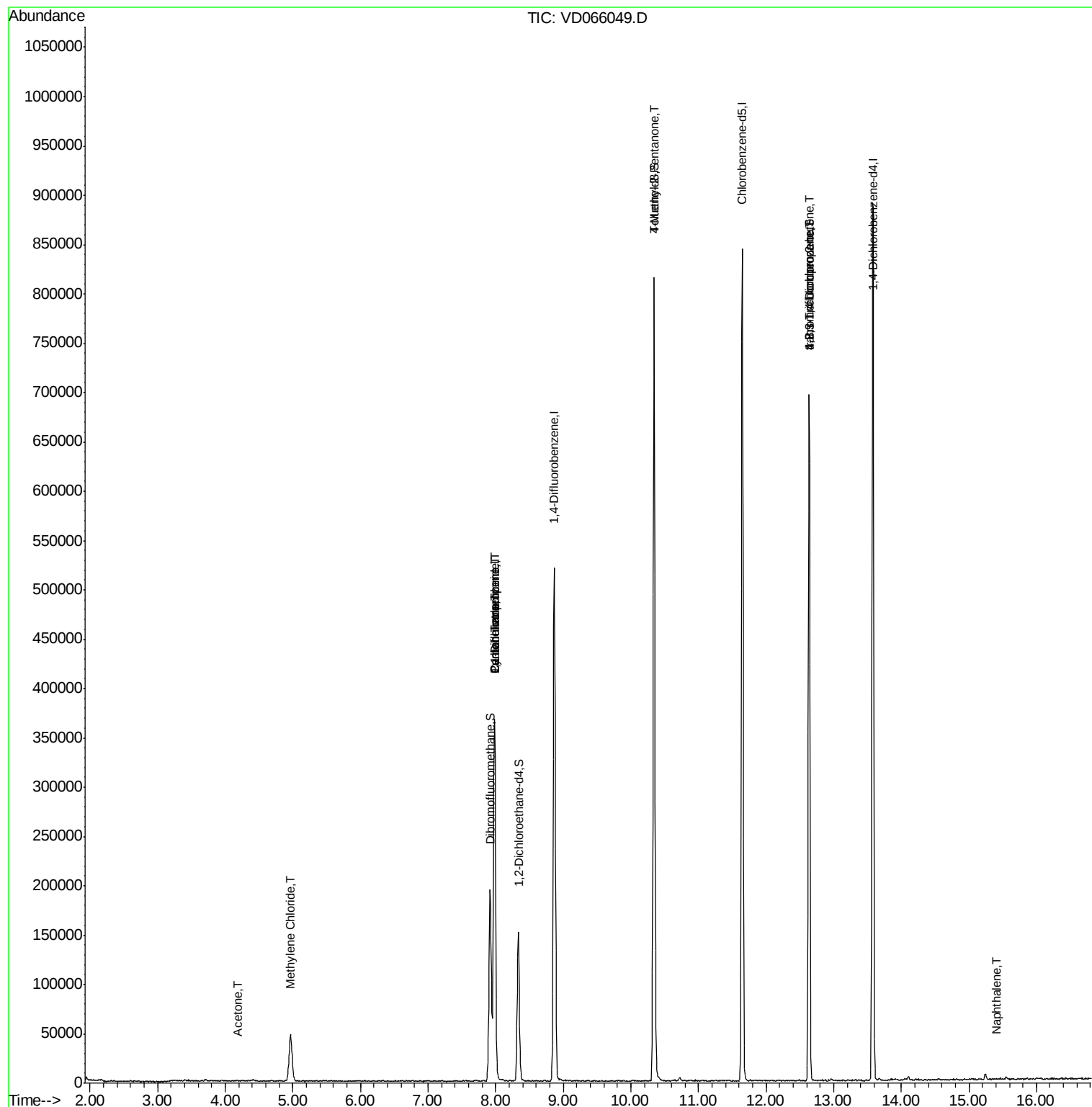
					Qvalue
5) Bromomethane	2.78	94	72	Below Cal	# 4
11) Tert butyl alcohol	5.21	59	55	Below Cal	# 83
16) Acetone	4.17	43	559	1.143	ug/l # 42
20) Methylene Chloride	4.97	84	35827	10.926	ug/l # 97
31) Cyclohexane	7.98	56	5521	1.270	ug/l # 1
36) 1,1-Dichloropropene	7.98	75	20729	5.265	ug/l # 48
38) Carbon Tetrachloride	7.98	117	27240	6.377	ug/l # 17
51) 4-Methyl-2-Pentanone	10.35	43	2353	1.590	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	110112	56.751	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	110112	130.224	ug/l # 11
95) Naphthalene	15.41	128	179	3.567	ug/l # 68

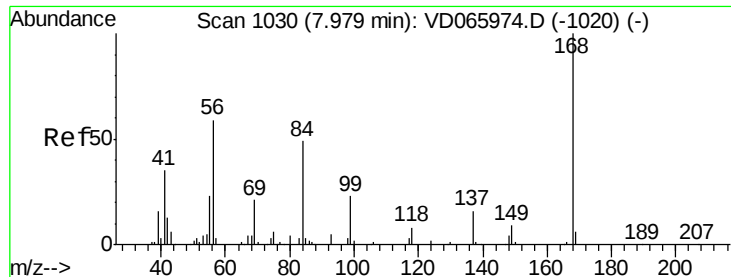
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066049.D

Acq: 24 Jul 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

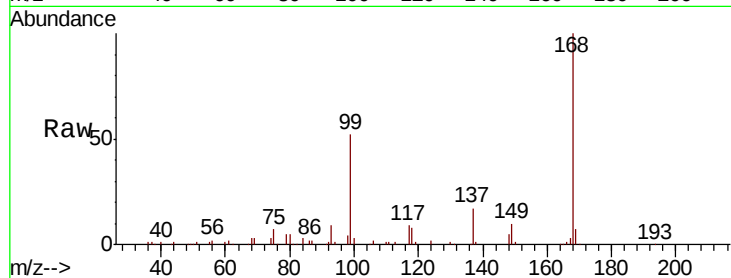
61820

Tot Ion:168 Resp: 297062

Ion Ratio Lower Upper

168 100

99 52.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

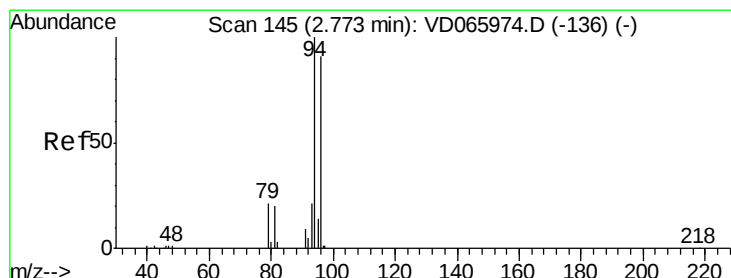
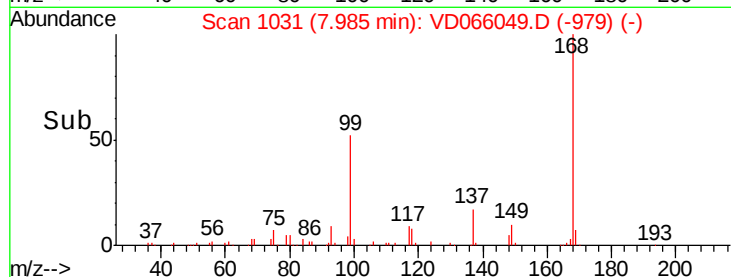
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066049.D

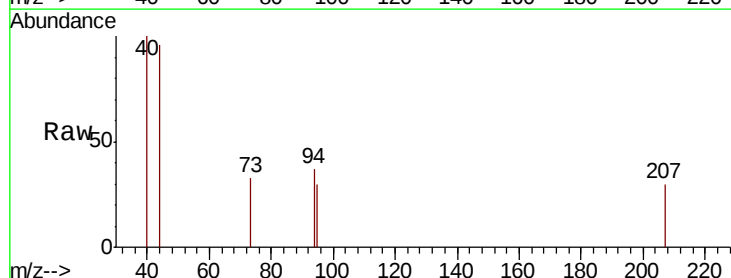
Acq: 24 Jul 2020 16:06

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

200

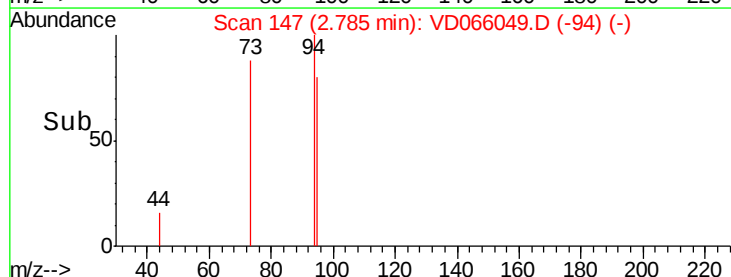
150

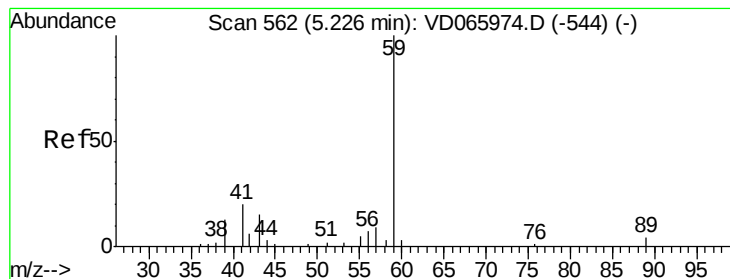
100

50

0

Time-->



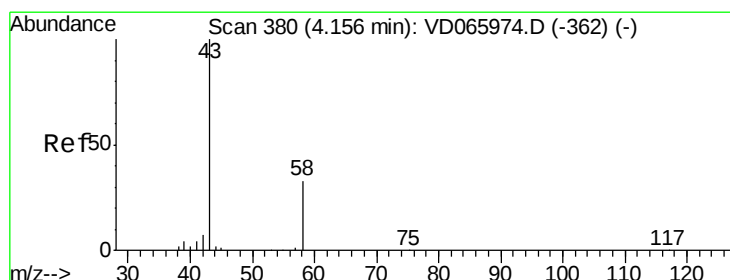
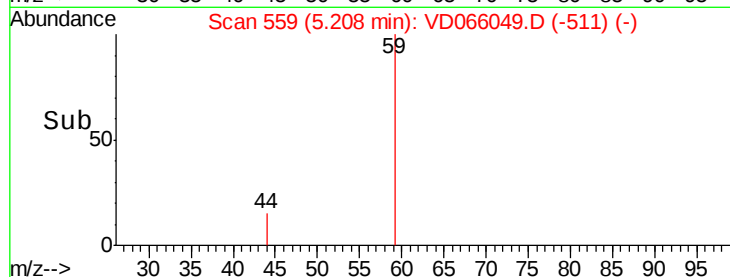
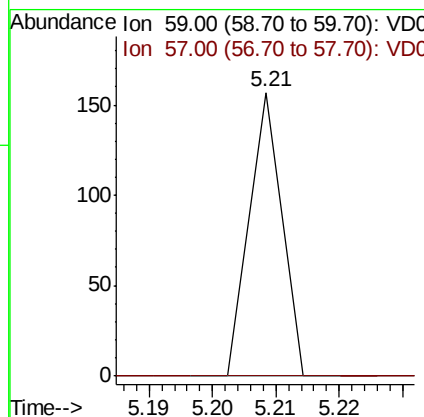
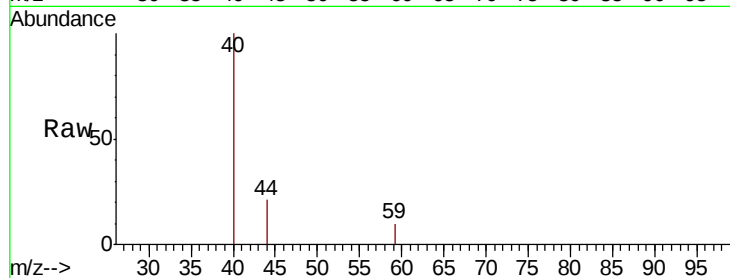


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleID :
 61820

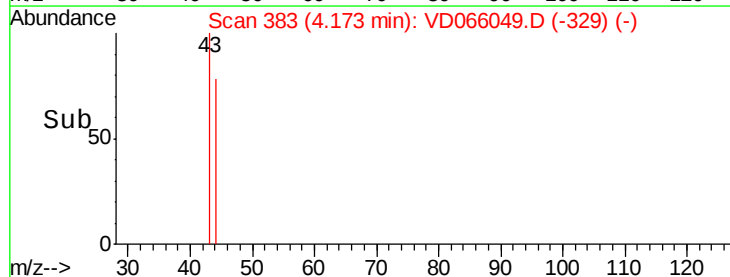
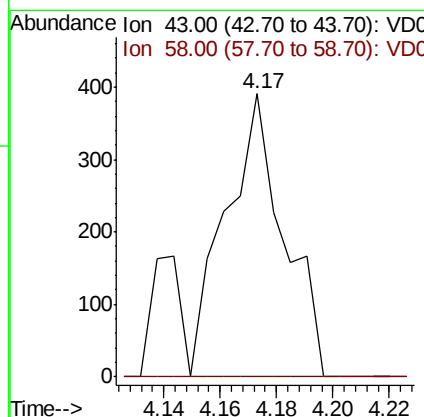
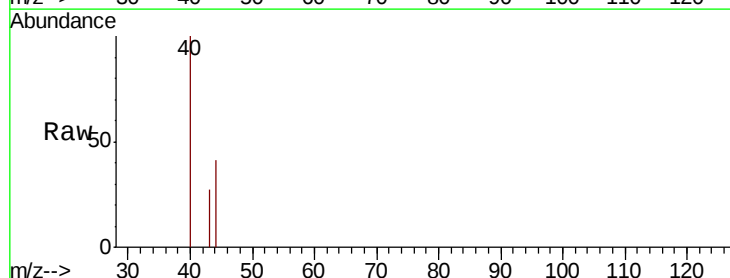
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

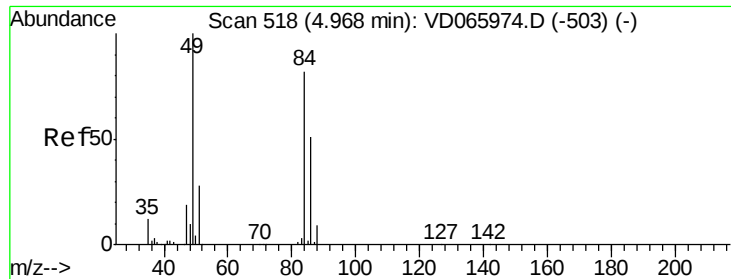


#16

Acetone
 Concen: 1.143 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

Tgt Ion: 43 Resp: 559
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.3 39.5#

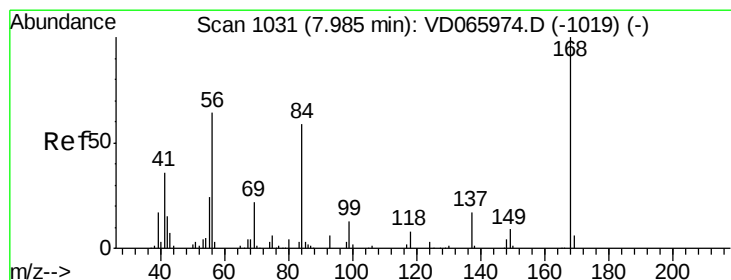
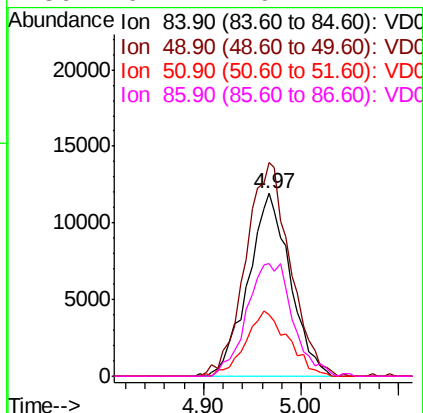
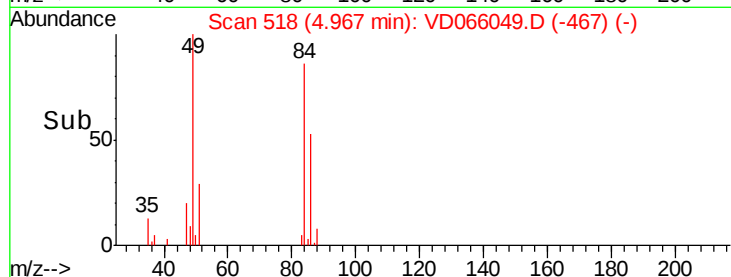
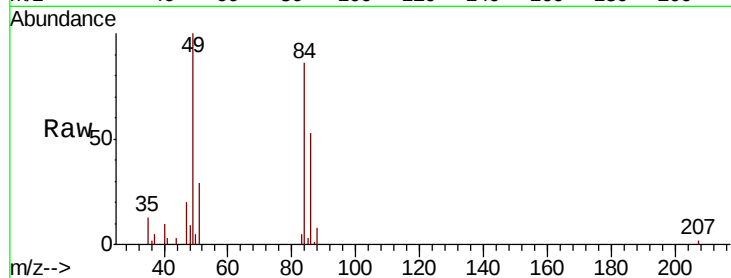




#20
Methvlene Chloride
Concen: 10.926 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066049.D
Acq: 24 Jul 2020 16:06

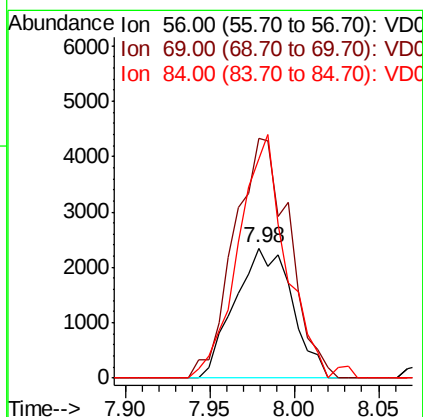
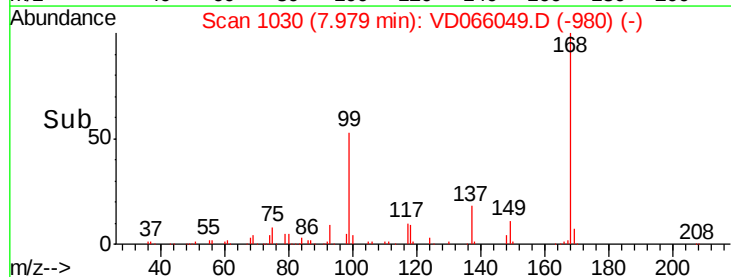
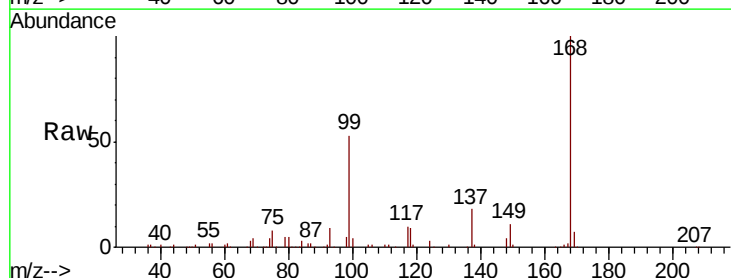
Instrument :
MSVOA_D
ClientSampleId :
61820

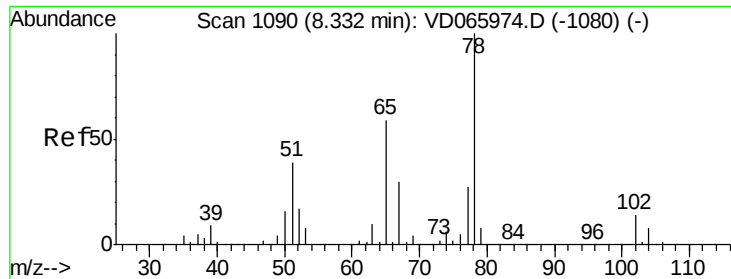
Tot Ion:	84	Resp:	35827
Ion	Ratio	Lower	Upper
84	100		
49	116.9	97.7	146.5
51	33.6	27.4	41.2
86	61.4	49.4	74.2



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066049.D
Acq: 24 Jul 2020 16:06

Tgt Ion:	56	Resp:	5521
Ion	Ratio	Lower	Upper
56	100		
69	183.8	28.0	42.0#
84	168.5	72.6	109.0#

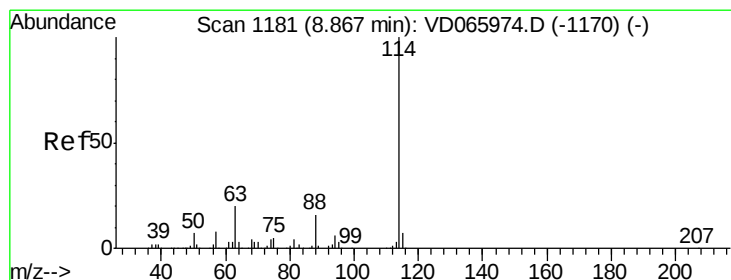
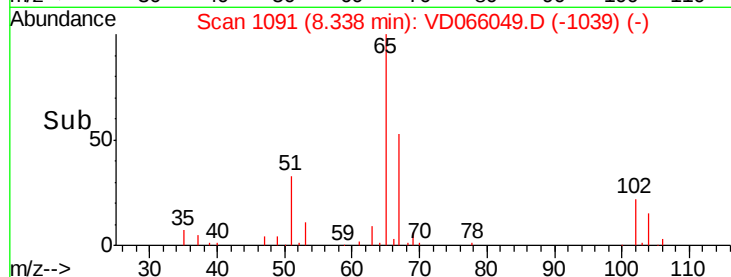
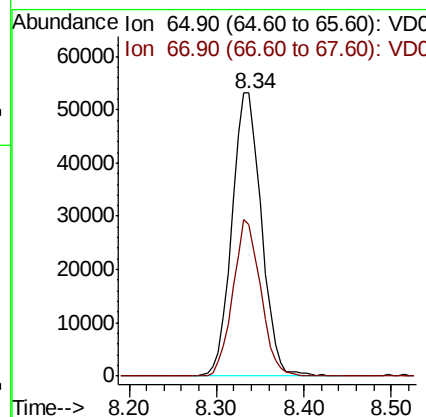
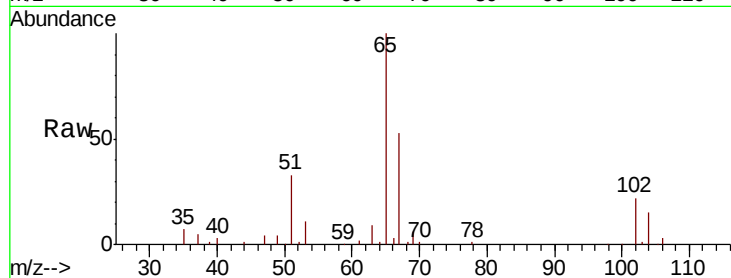




#33
 1,2-Dichloroethane-d4
 Concen: 50.248 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

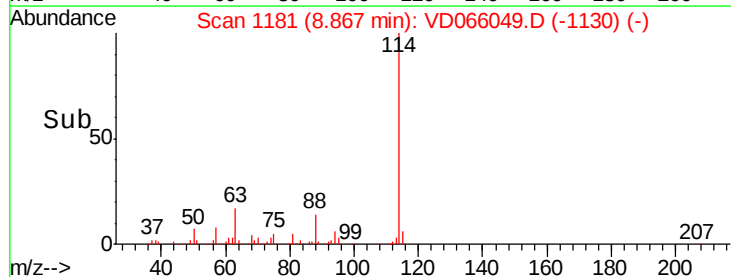
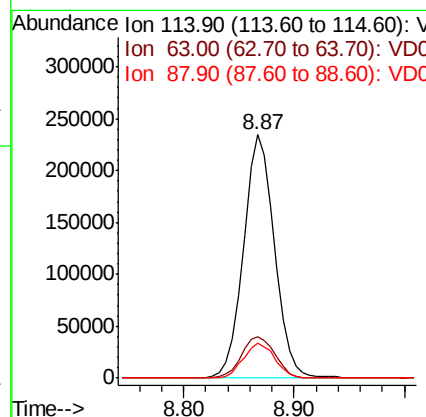
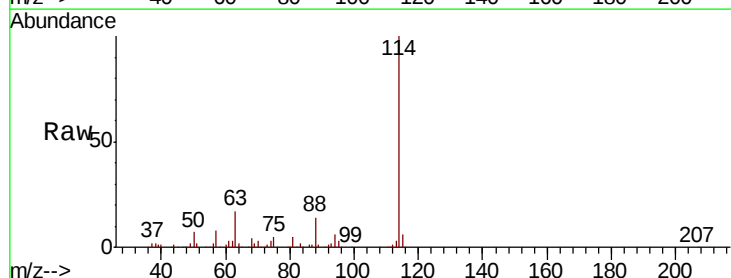
Instrument :
 MSVOA_D
 ClientSampleId :
 61820

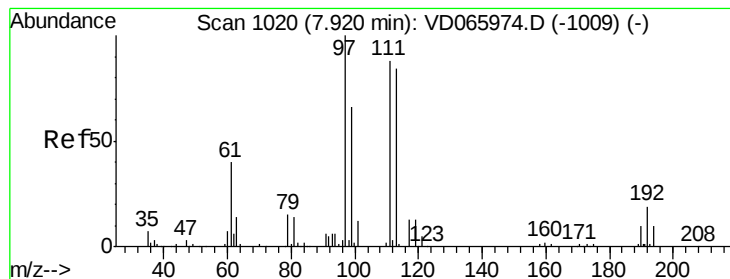
Tot Ion: 65 Resp: 121457
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

Tgt Ion: 114 Resp: 461302
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.6
 88 14.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066049.D

Acq: 24 Jul 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

61820

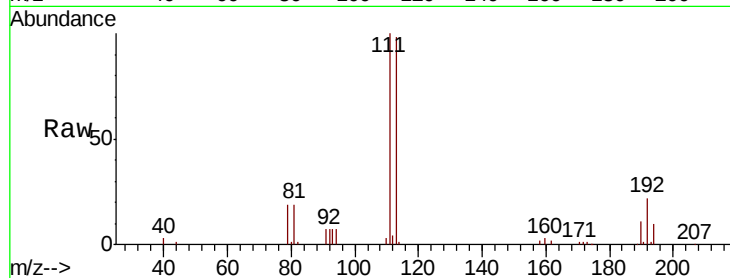
Tot Ion:113 Resp: 139680

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

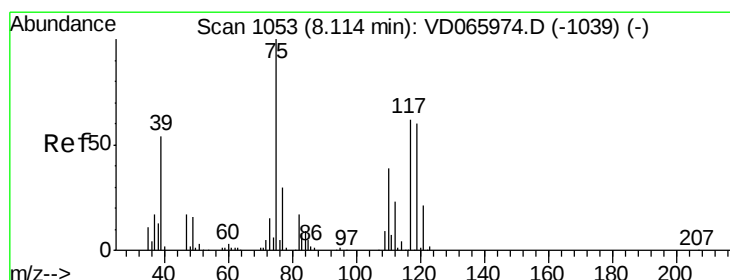
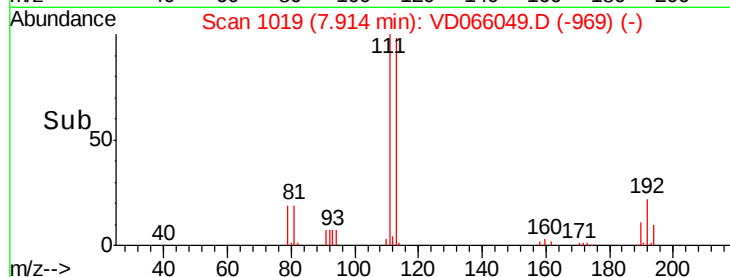
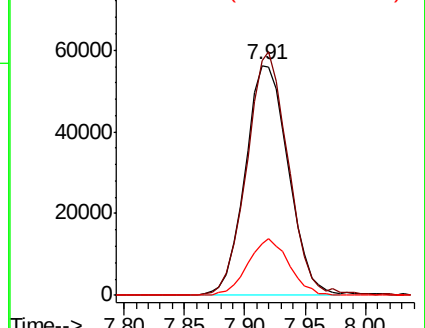
192 23.6 18.7 28.1



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: 5.265 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066049.D

Acq: 24 Jul 2020 16:06

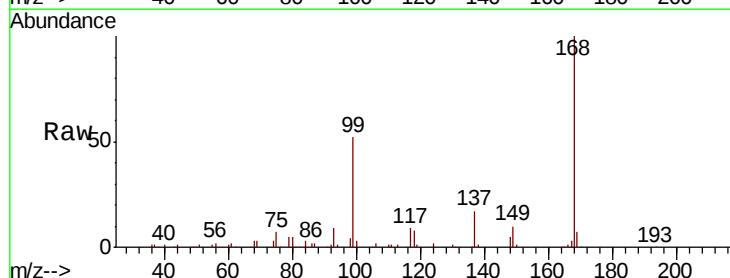
Tgt Ion: 75 Resp: 20729

Ion Ratio Lower Upper

75 100

110 9.0 19.5 58.5#

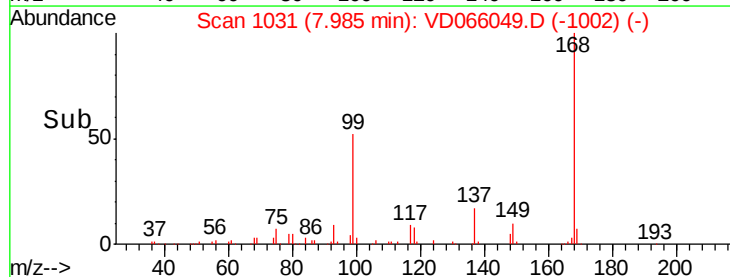
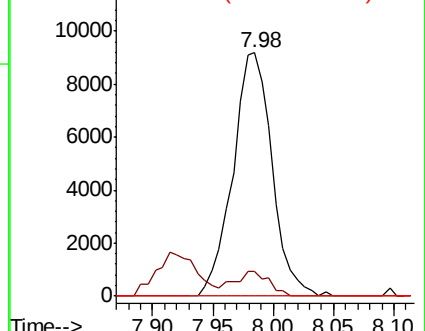
77 0.0 24.7 37.1#

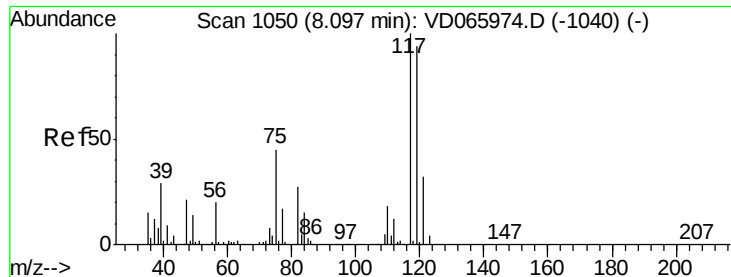


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066049.D

Acq: 24 Jul 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

61820

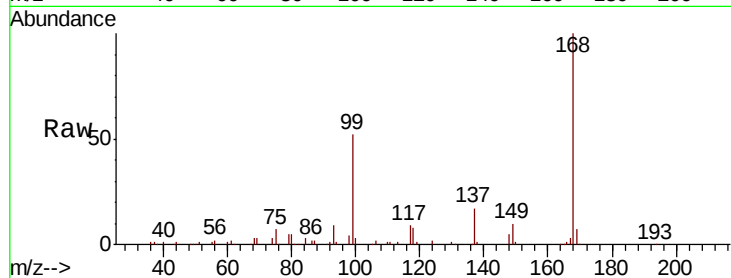
Tot Ion:117 Resp: 27240

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

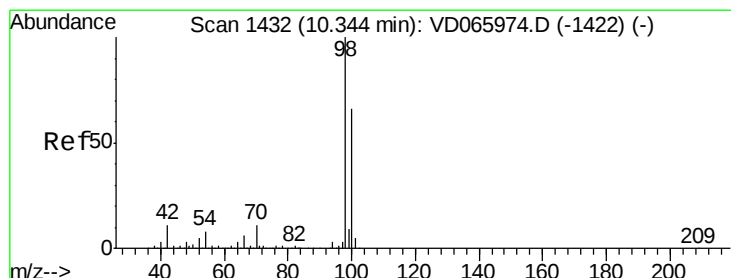
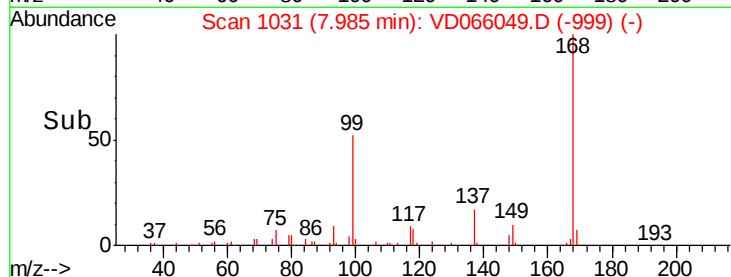
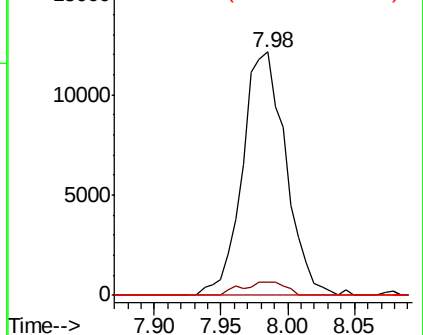
121 0.0 25.5 38.3#



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: 53.286 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066049.D

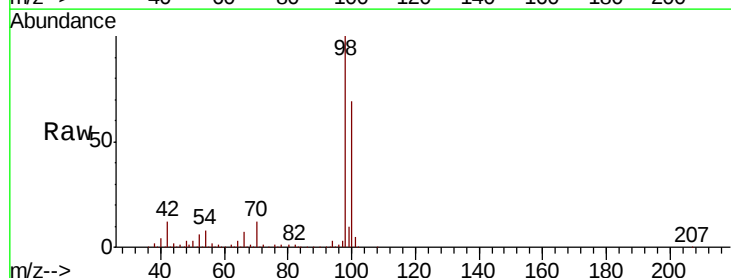
Acq: 24 Jul 2020 16:06

Tgt Ion: 98 Resp: 555400

Ion Ratio Lower Upper

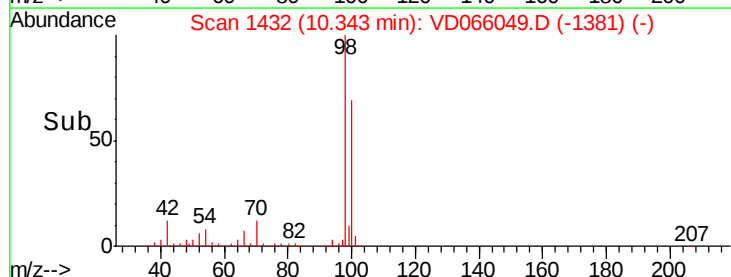
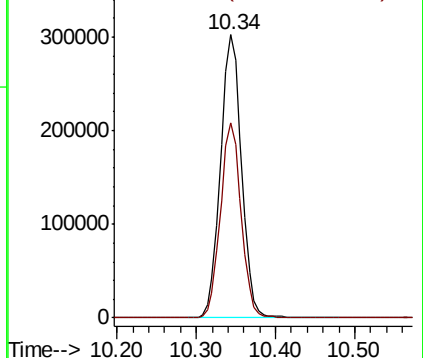
98 100

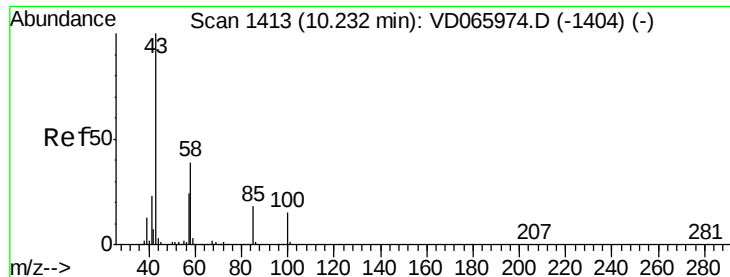
100 67.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

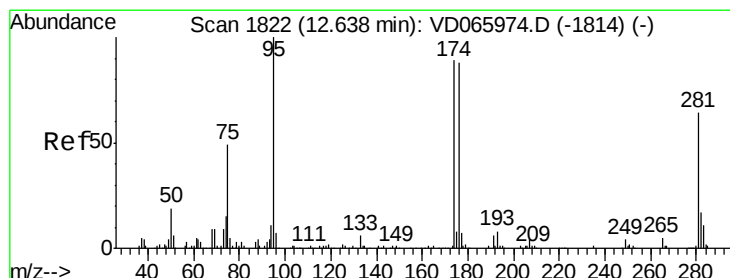
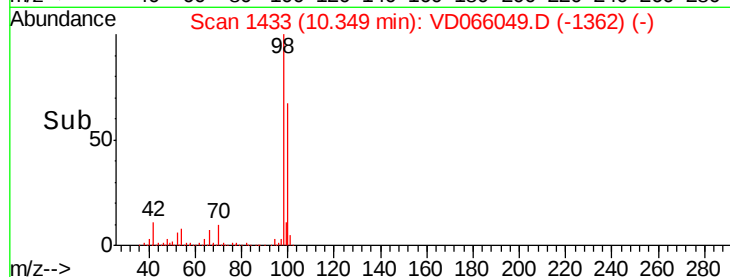
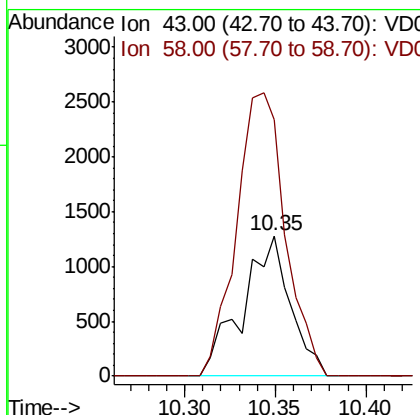
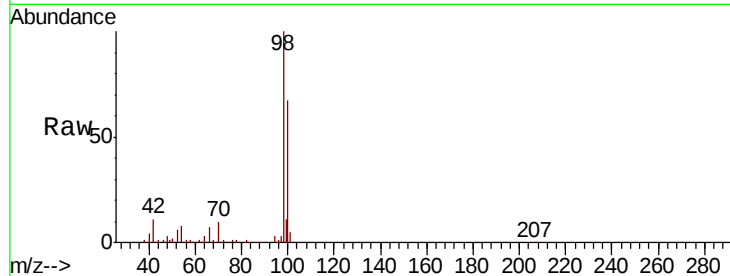




#51
 4-Methyl-2-Pentanone
 Concen: 1.590 ug/l
 RT: 10.35 min Scan# 1433
 Delta R.T. 0.12 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

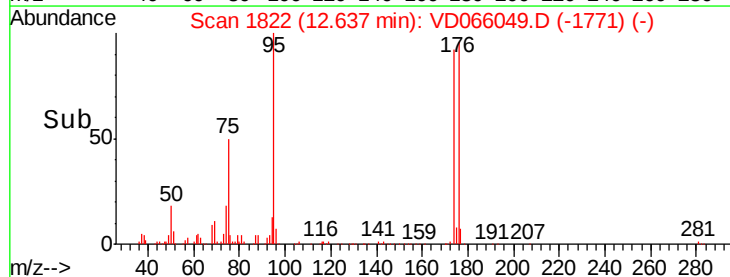
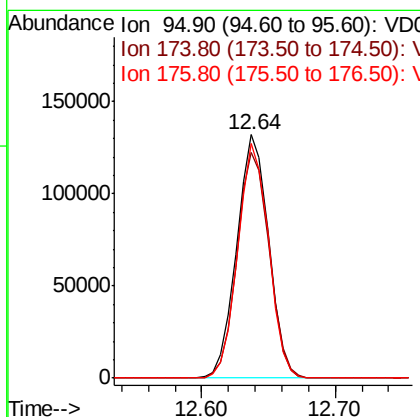
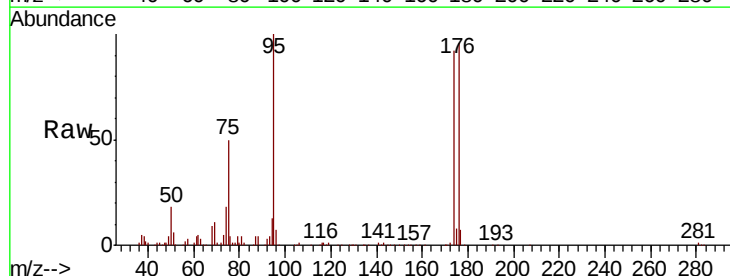
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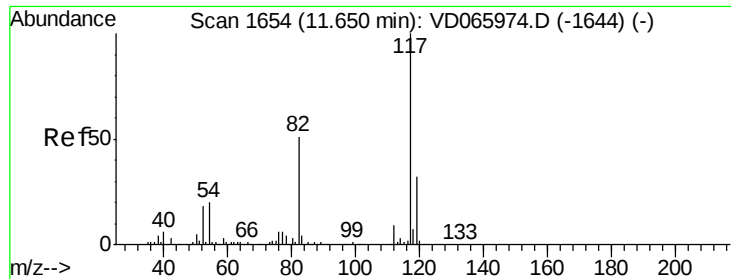
Tot Ion: 43 Resp: 2353
 Ion Ratio Lower Upper
 43 100
 58 205.9 31.3 46.9#



#62
 4-Bromofluorobenzene
 Concen: 60.427 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

Tgt Ion: 95 Resp: 218389
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 178.8
 176 93.1 0.0 172.6

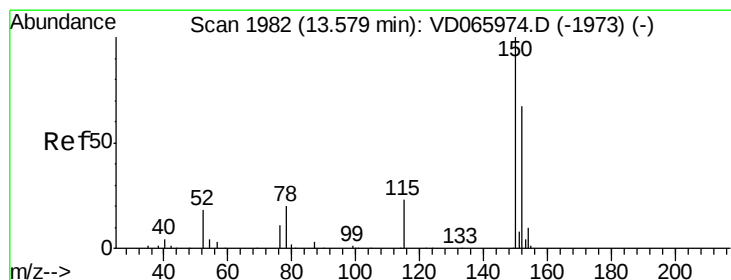
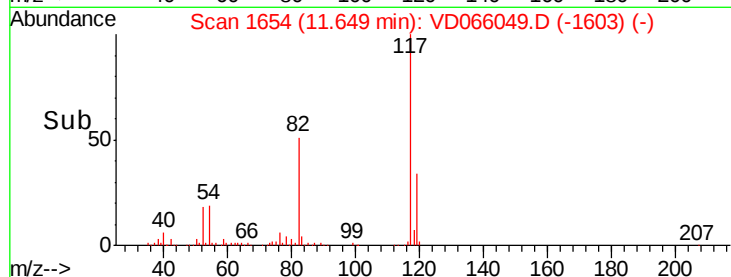
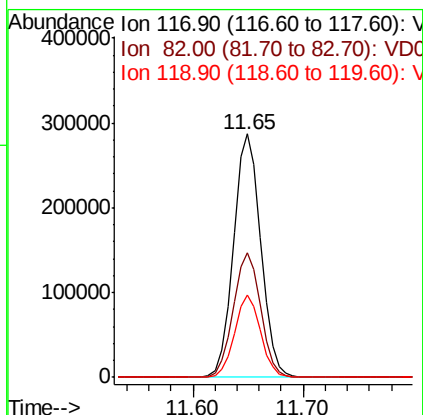
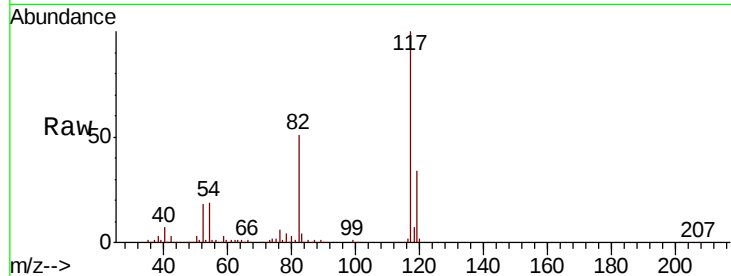




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066049.D
Acq: 24 Jul 2020 16:06

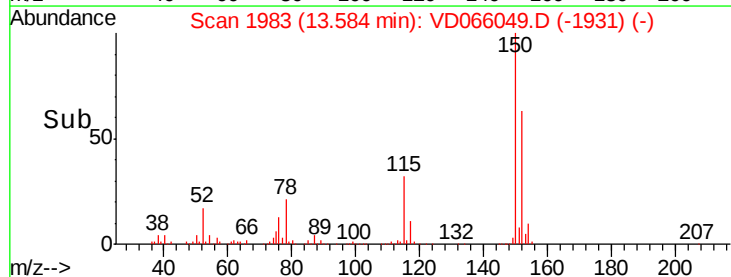
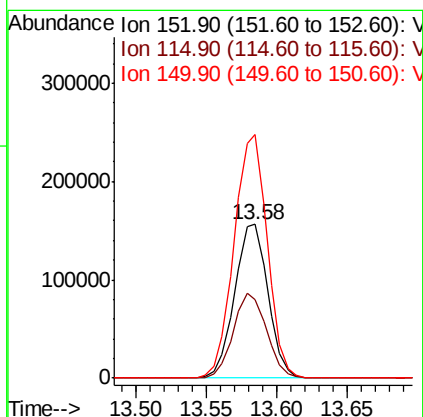
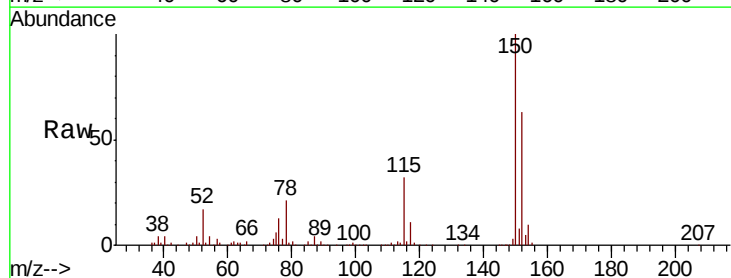
Instrument :
MSVOA_D
ClientSampleId :
61820

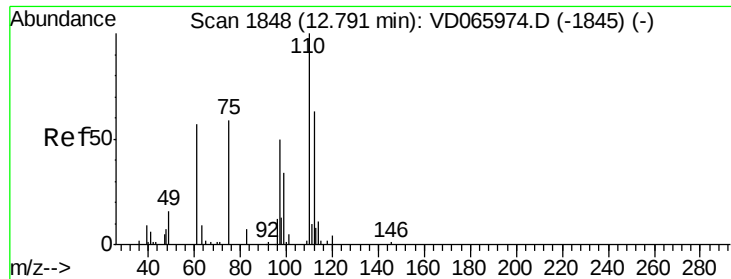
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.1	61.7
119	33.8	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066049.D
Acq: 24 Jul 2020 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.9	83.7
150	157.5	0.0	348.2

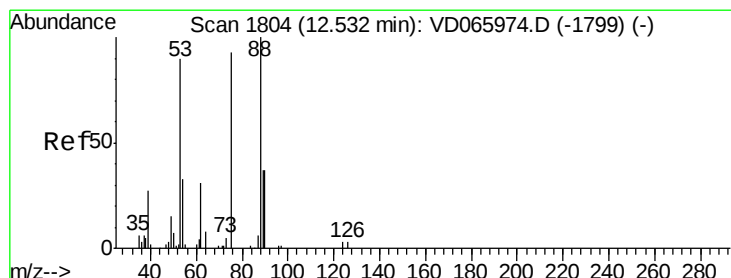
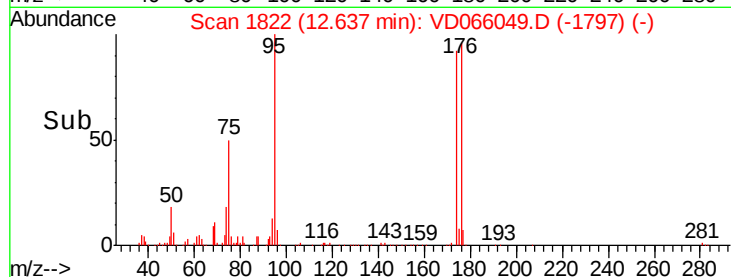
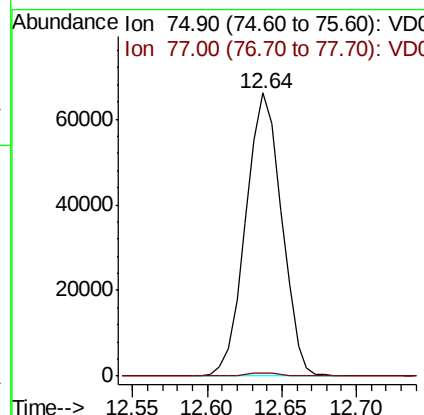
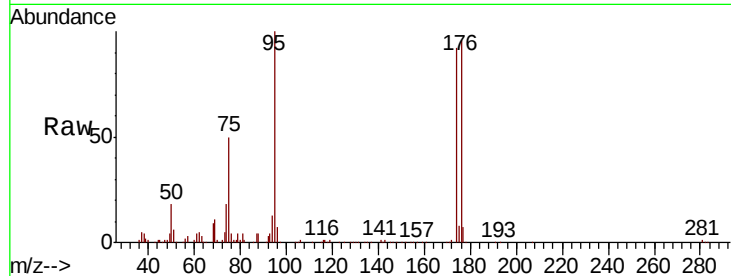




#76
 1,2,3-Trichloropropane
 Concen: 56.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

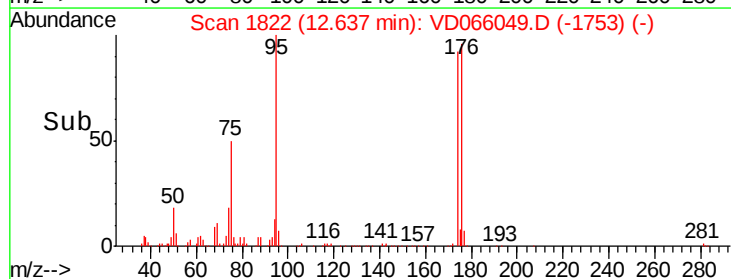
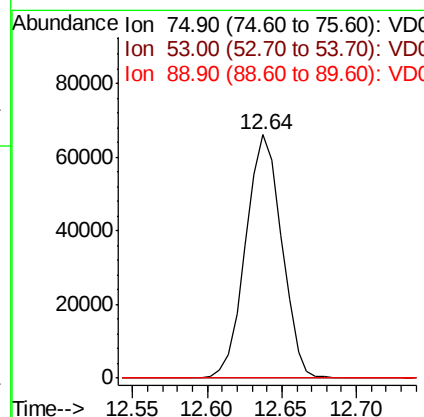
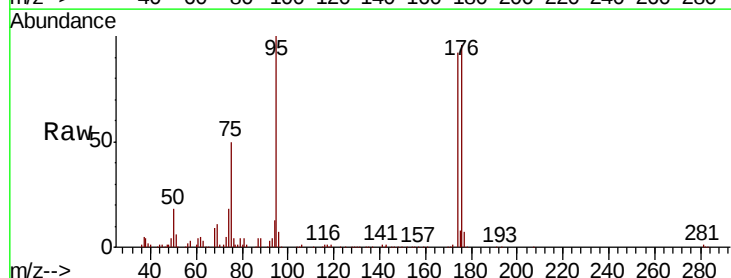
Instrument :
 MSVOA_D
 ClientSampleId :
 61820

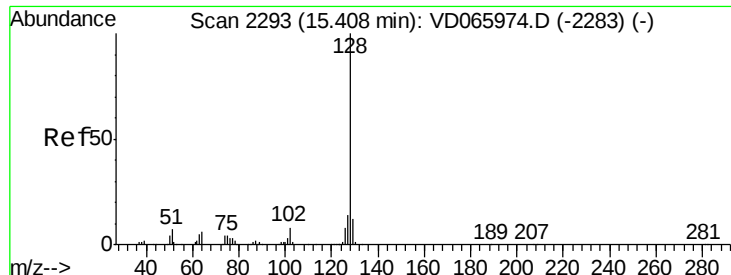
Tot Ion: 75 Resp: 110112
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.224 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066049.D
 Acq: 24 Jul 2020 16:06

Tgt Ion: 75 Resp: 110112
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.567 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066049.D

Acq: 24 Jul 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

61820

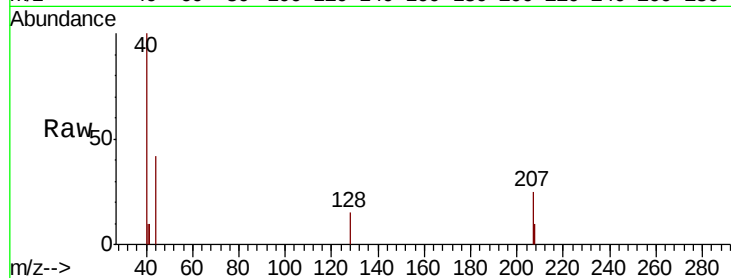
Tot Ion:128 Resp: 179

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



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

15.41

300

200

100

0

15.40 15.42

Time-->

