

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066117.D
 Acq On : 30 Jul 2020 17:53
 Operator : VA/SY
 Sample : L3478-02RE
 Misc : 6.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-VNJ-213RE

Quant Time: Jul 31 02:07:16 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	179239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	298004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	238844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	58377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	94151	64.56	ug/l	0.00
Spiked Amount			Recovery	=	129.12%	
35) Dibromofluoromethane	7.91	113	98129	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	10.34	98	298256	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.64	95	86400	37.01	ug/l	0.00
Spiked Amount			Recovery	=	74.02%	

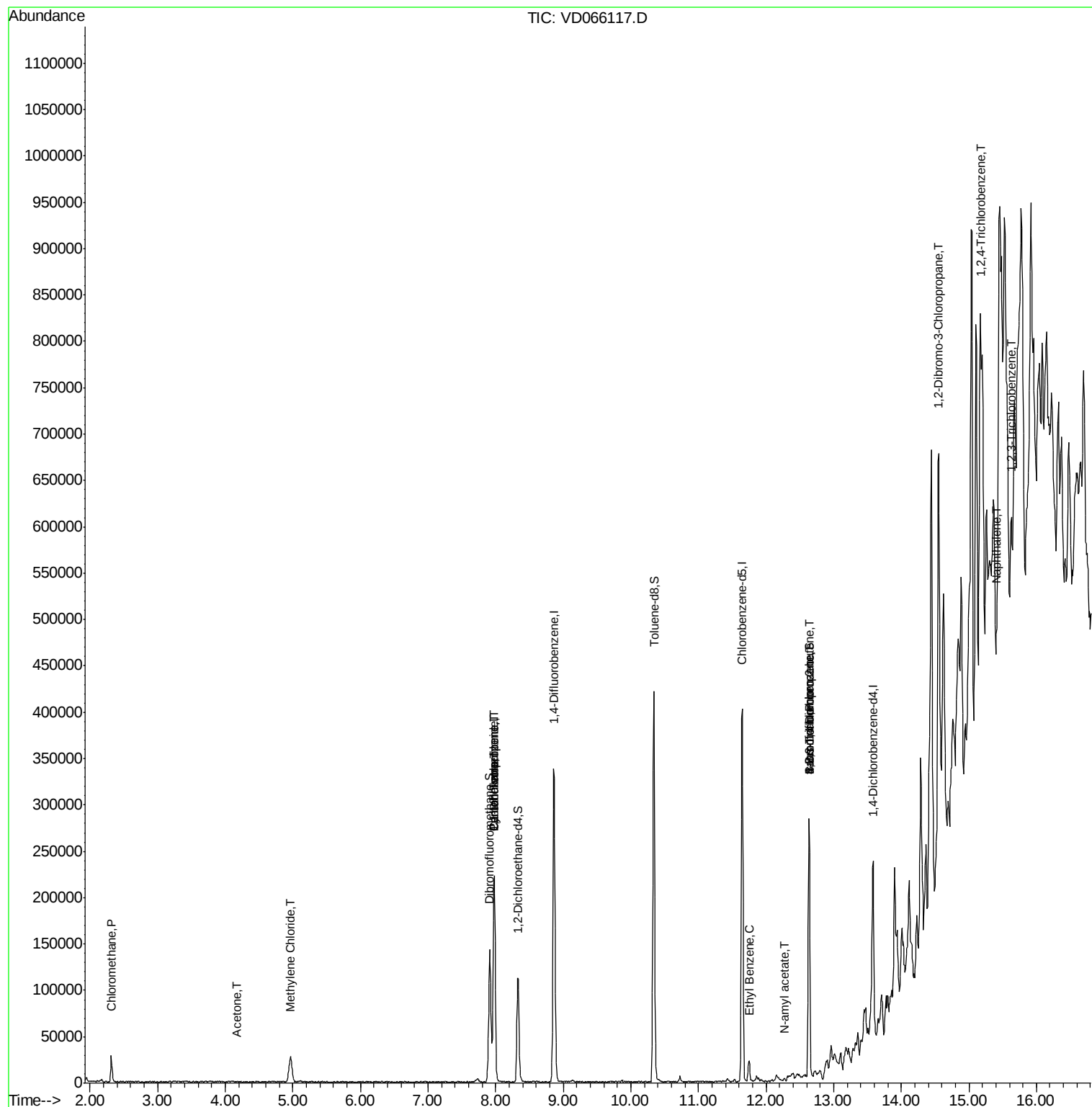
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.31	50	1581	1.424	ug/l #	73
11) Tert butyl alcohol	5.23	59	54	Below Cal	#	83
16) Acetone	4.17	43	587	1.988	ug/l #	42
20) Methylene Chloride	4.97	84	20738	10.353	ug/l #	91
31) Cyclohexane	7.98	56	2966	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	12324	4.846	ug/l #	47
38) Carbon Tetrachloride	7.97	117	17196	6.231	ug/l #	16
67) Ethyl Benzene	11.75	91	16535	2.197	ug/l	99
71) Bromoform	12.64	173	1006	1.064	ug/l #	1
74) N-amyl acetate	12.27	43	1222	1.668	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	43895	99.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	43895	229.153	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.55	75	529	5.529	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.18	180	1837	1.762	ug/l #	77
95) Naphthalene	15.41	128	319	3.707	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.63	180	14255	15.729	ug/l #	12

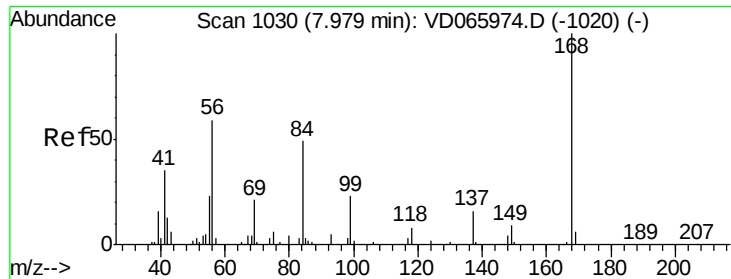
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073020\
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

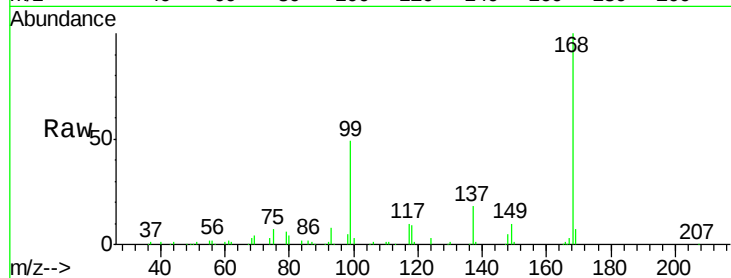
ROLLOFF-VNJ-213RE

Tot Ion:168 Resp: 179239

Ion Ratio Lower Upper

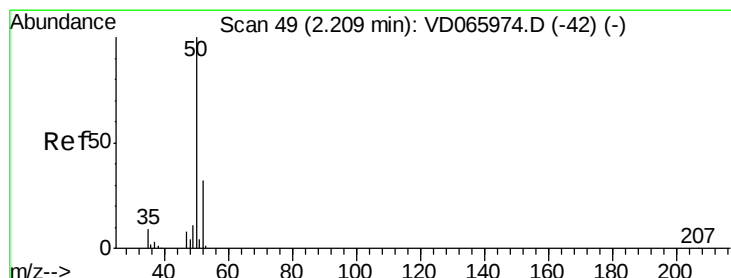
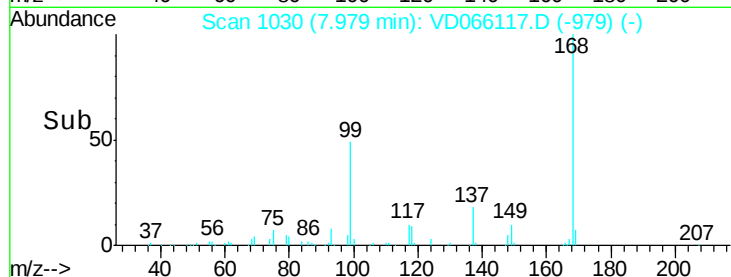
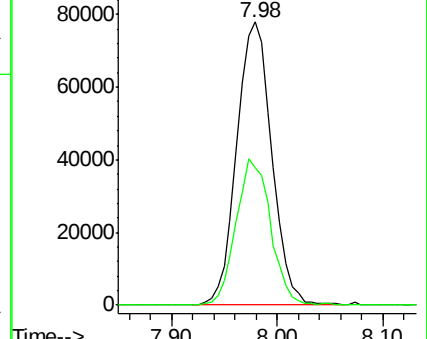
168 100

99 48.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.424 ug/l

RT: 2.31 min Scan# 66

Delta R.T. 0.10 min

Lab File: VD066117.D

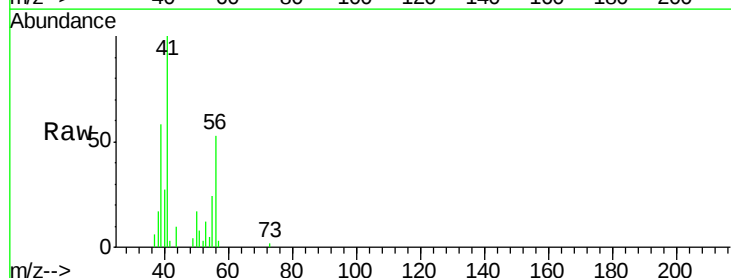
Acq: 30 Jul 2020 17:53

Tgt Ion: 50 Resp: 1581

Ion Ratio Lower Upper

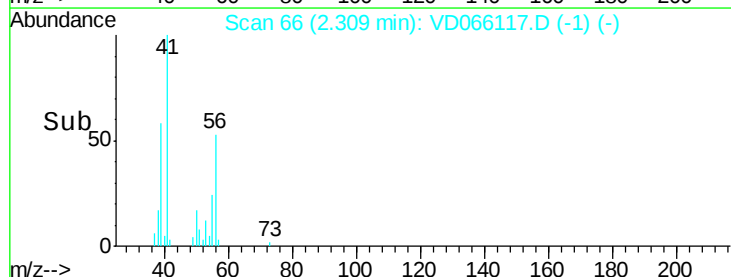
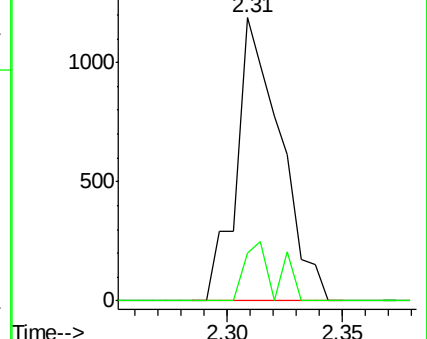
50 100

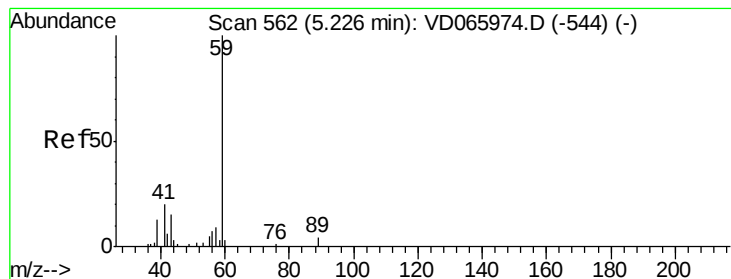
52 16.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



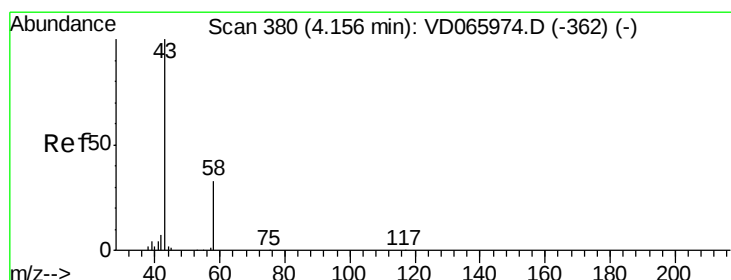
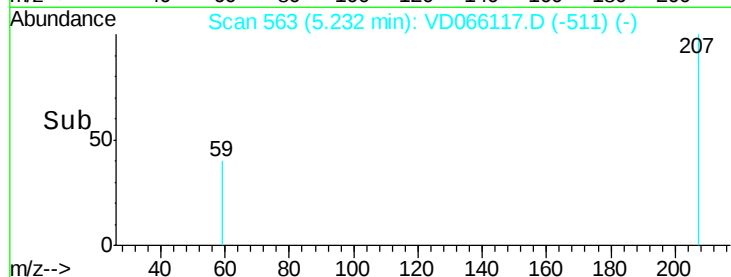
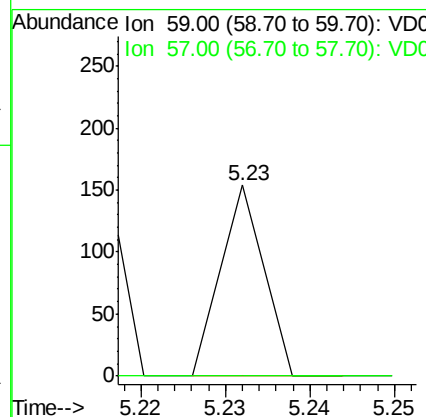
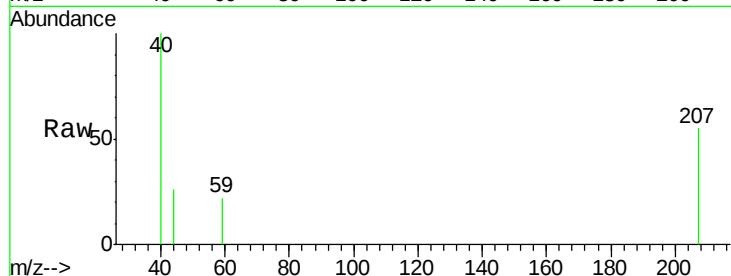


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-VNJ-213RE

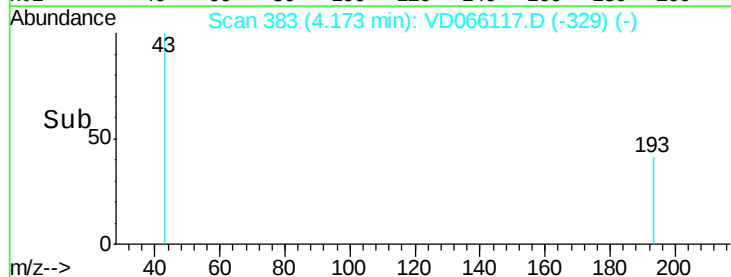
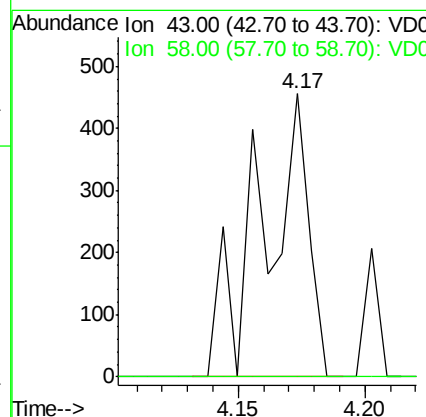
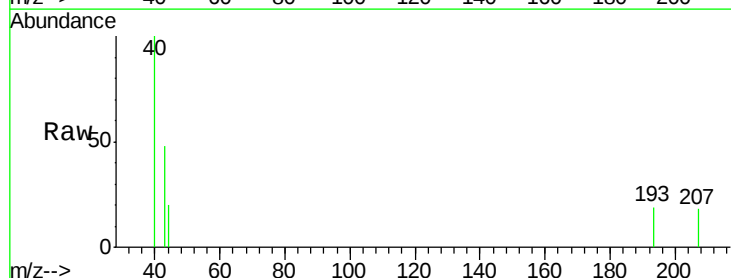
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

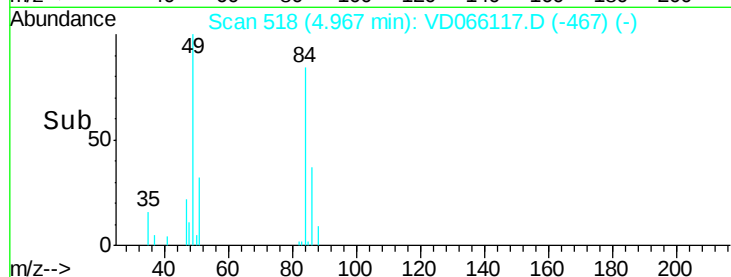
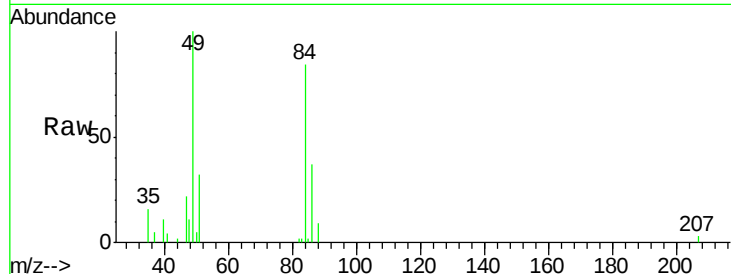
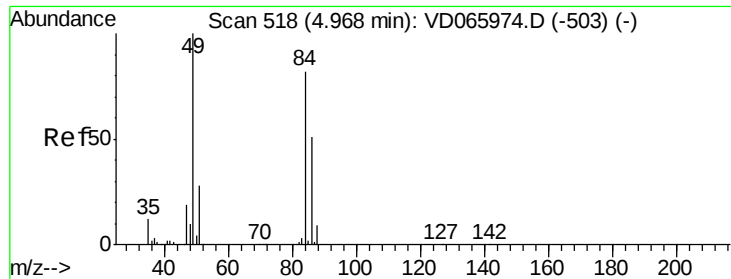


#16

Acetone
 Concen: 1.988 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

Tgt Ion: 43 Resp: 587
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.3 39.5#

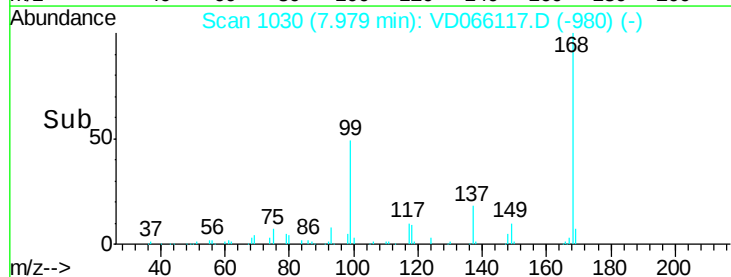
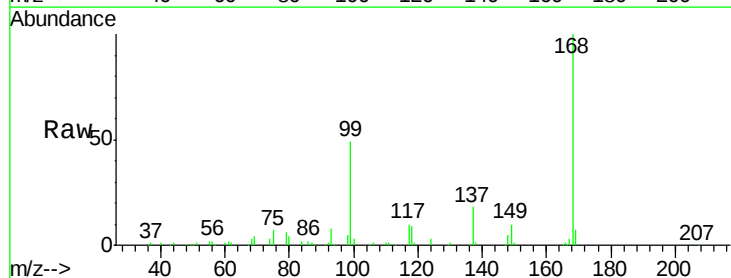
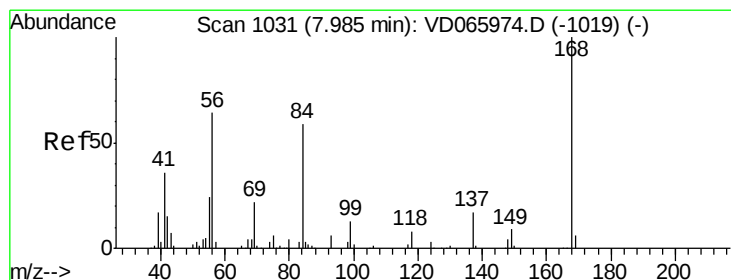
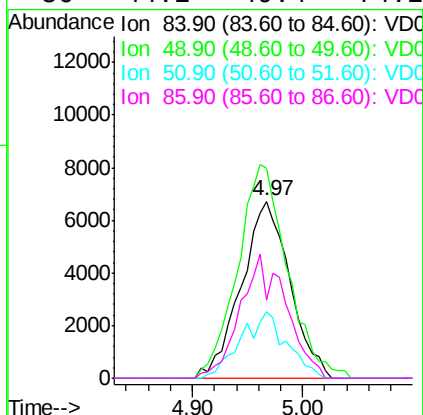




#20
Methvlene Chloride
Concen: 10.353 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

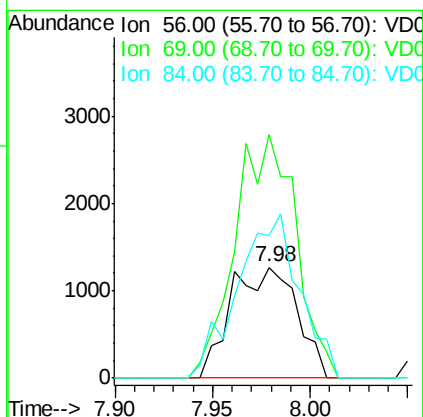
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213RE

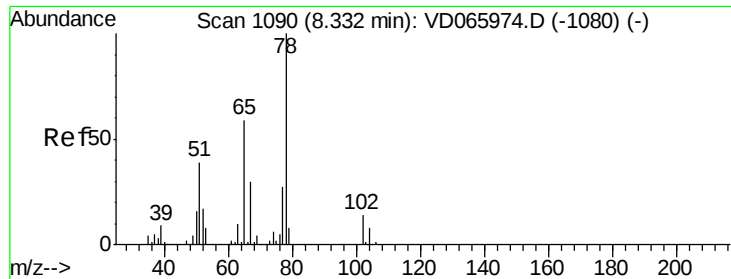
Tot Ion: 84 Resp: 20738
Ion Ratio Lower Upper
84 100
49 118.6 97.7 146.5
51 37.9 27.4 41.2
86 44.2 49.4 74.2#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

Tgt Ion: 56 Resp: 2966
Ion Ratio Lower Upper
56 100
69 220.4 28.0 42.0#
84 128.9 72.6 109.0#

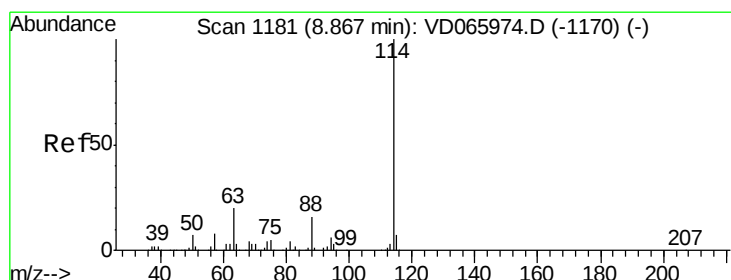
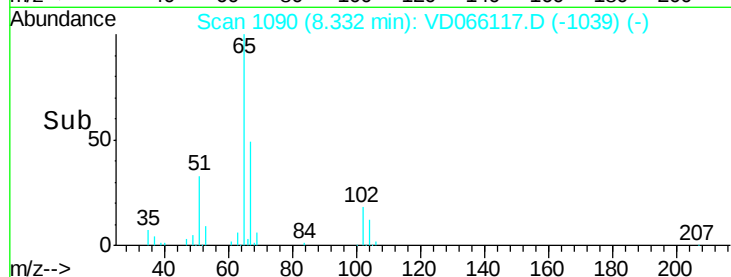
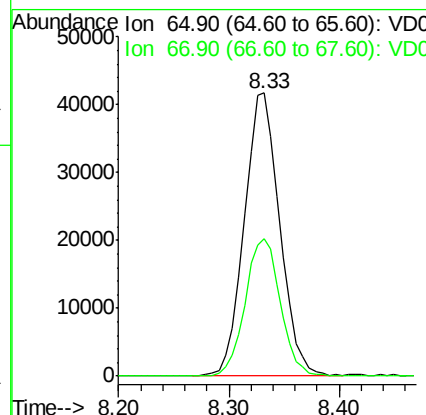
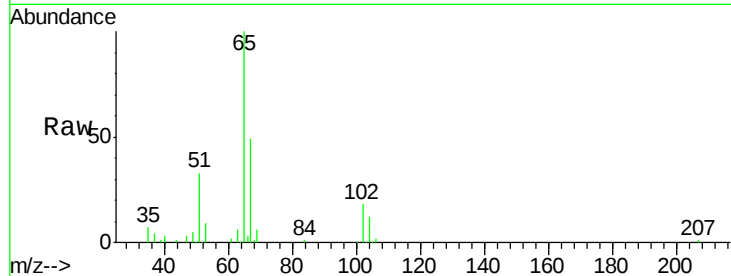




#33
 1,2-Dichloroethane-d4
 Concen: 64.556 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

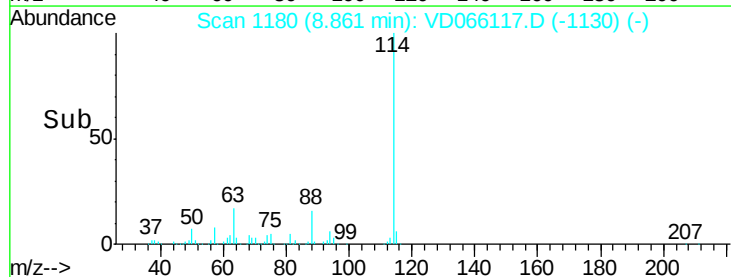
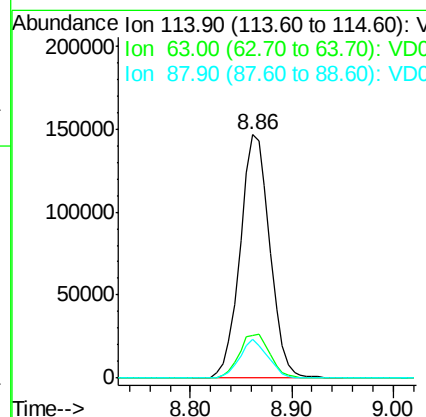
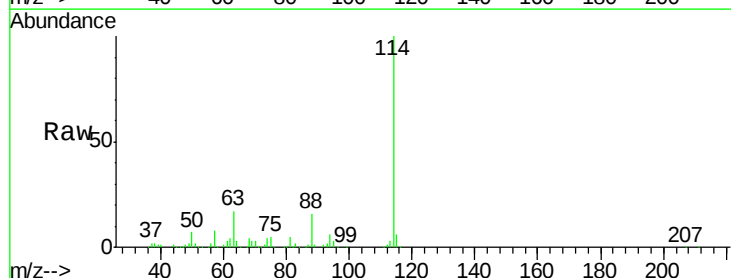
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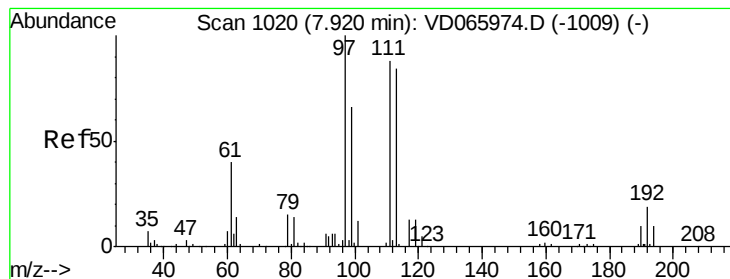
Tot Ion: 65 Resp: 94151
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

Tgt Ion: 114 Resp: 298004
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 39.6
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.290 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213RE

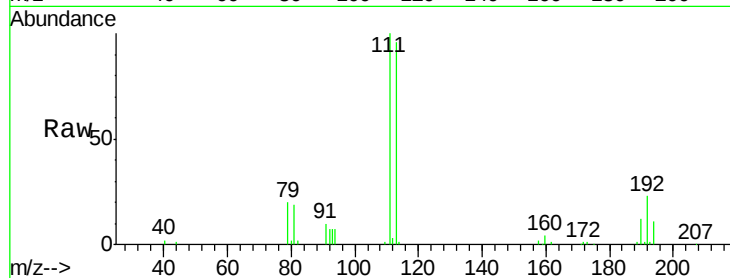
Tot Ion:113 Resp: 98129

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

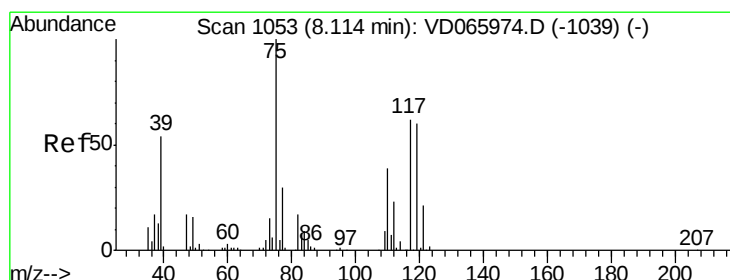
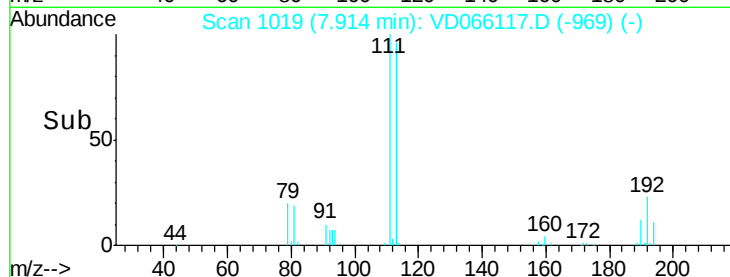
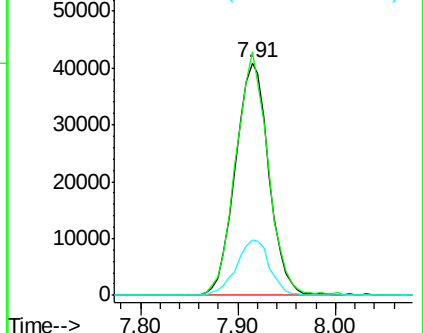
192 23.5 18.7 28.1



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: 4.846 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

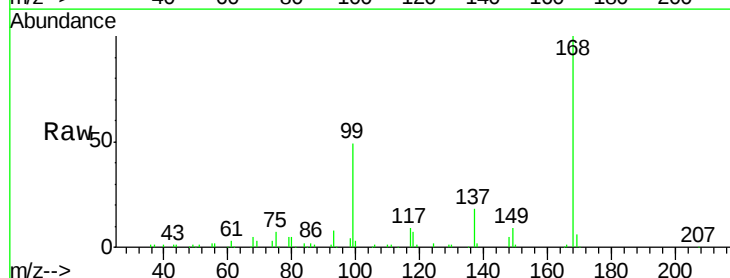
Tgt Ion: 75 Resp: 12324

Ion Ratio Lower Upper

75 100

110 8.5 19.5 58.5#

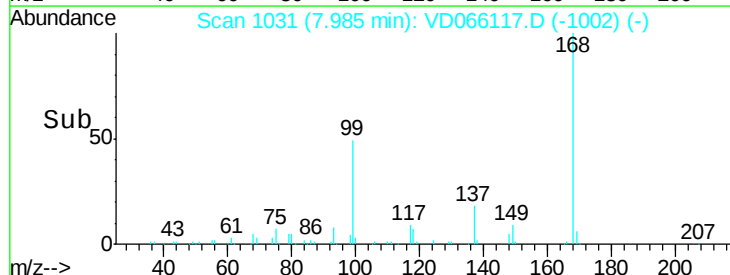
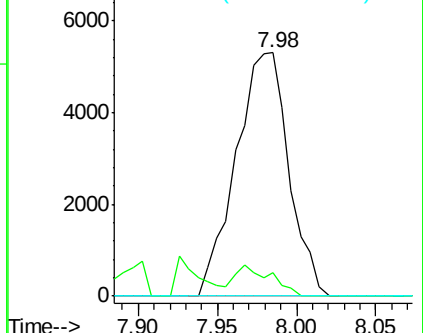
77 0.0 24.7 37.1#

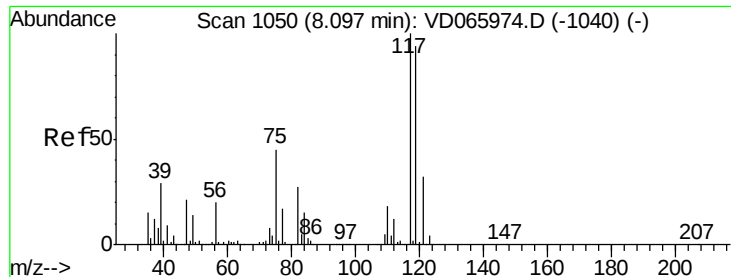


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

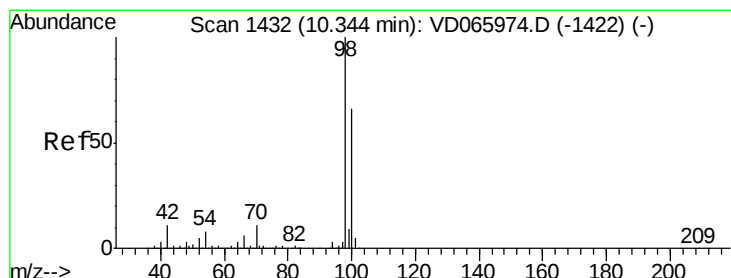
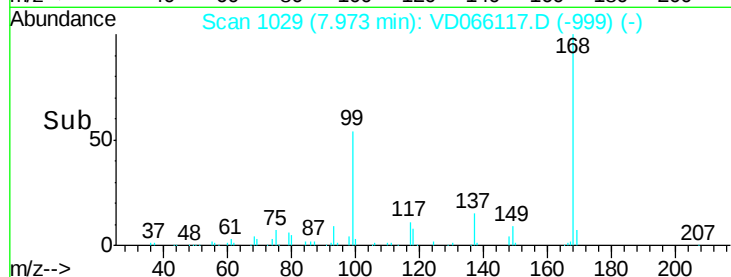
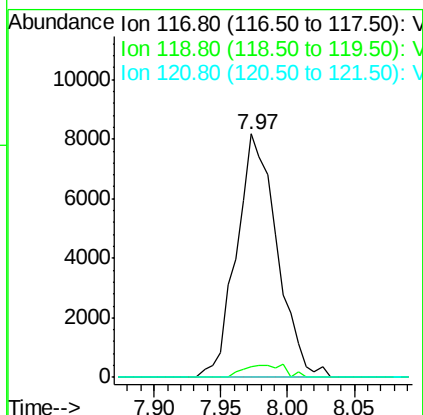
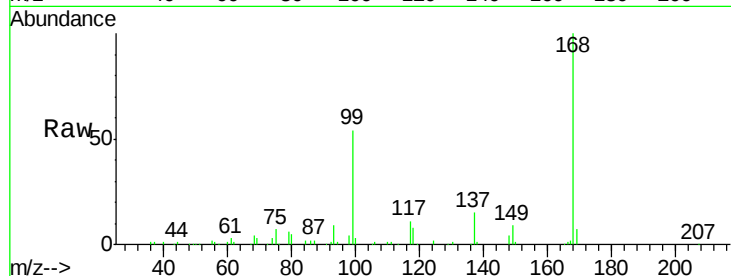




#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

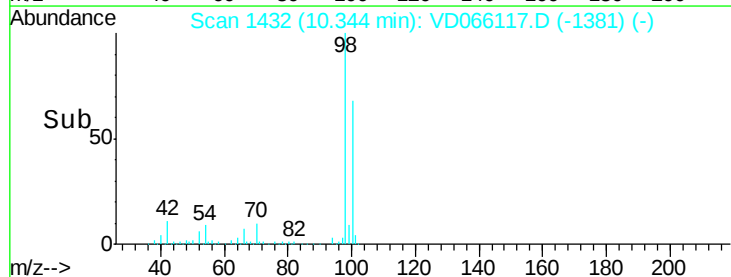
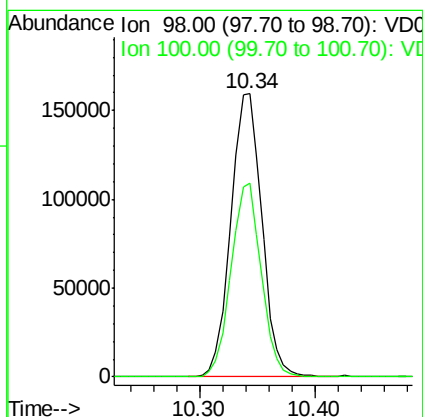
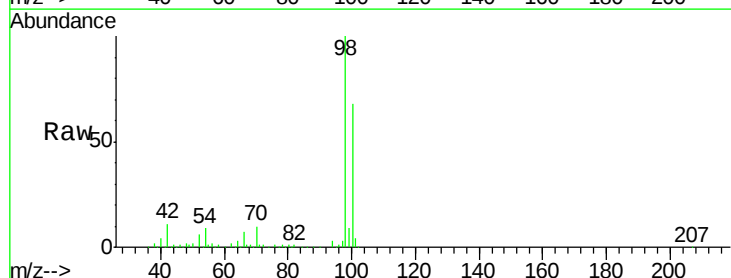
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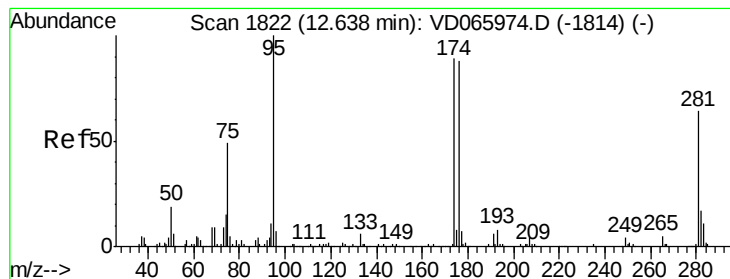
Tot Ion:117 Resp: 17196
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 44.295 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

Tgt Ion: 98 Resp: 298256
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 37.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213RE

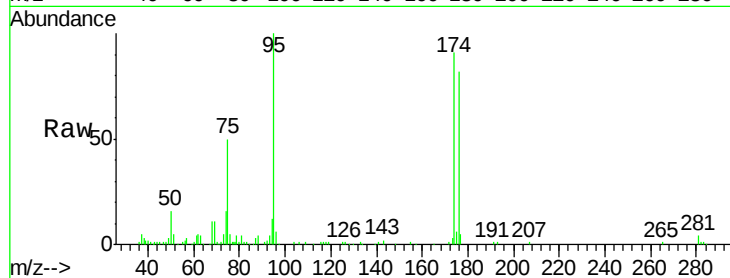
Tot Ion: 95 Resp: 86400

Ion Ratio Lower Upper

95 100

174 93.1 0.0 178.8

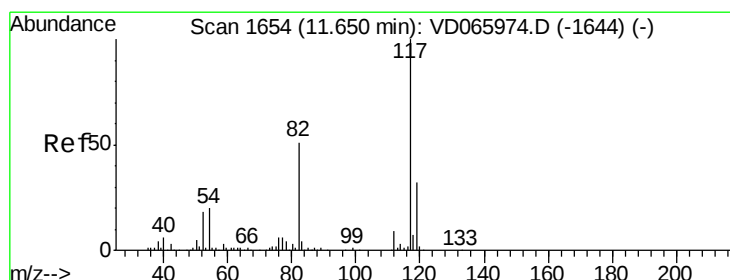
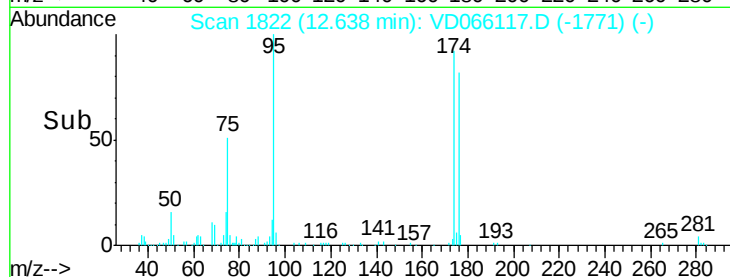
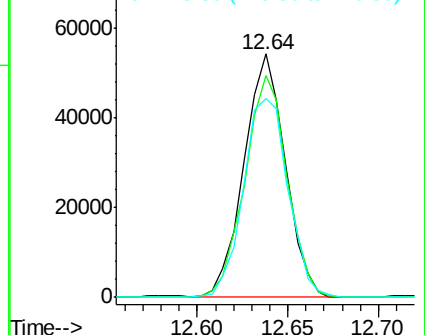
176 88.2 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066117.D

Acq: 30 Jul 2020 17:53

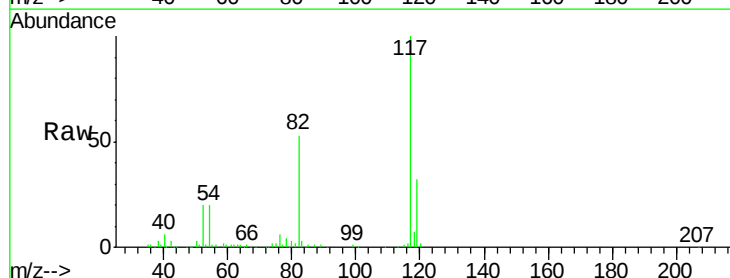
Tgt Ion: 117 Resp: 238844

Ion Ratio Lower Upper

117 100

82 53.4 41.1 61.7

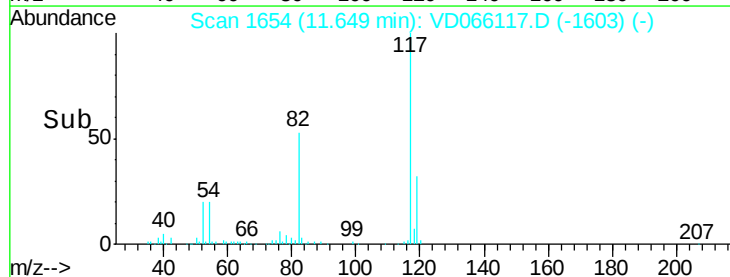
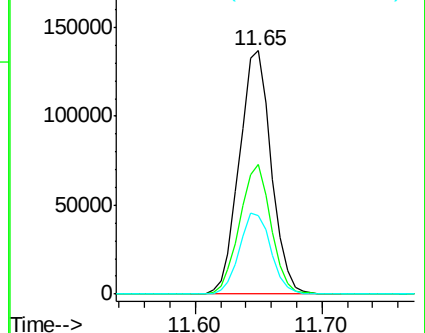
119 32.1 25.9 38.9

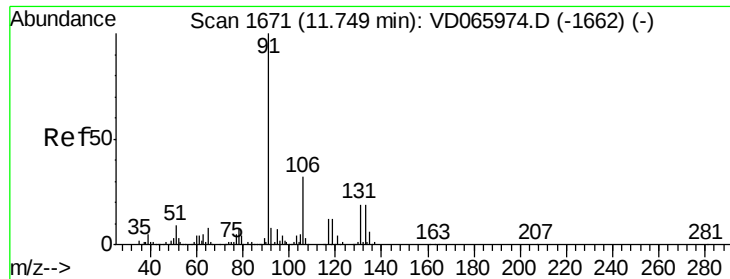


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

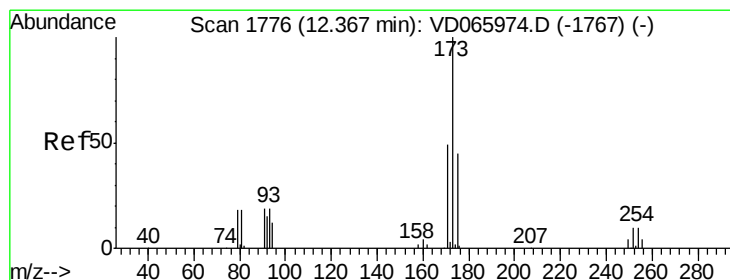
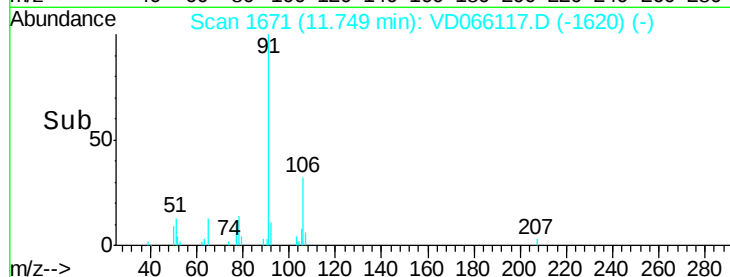
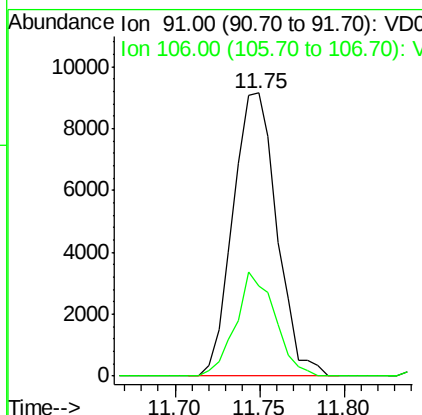
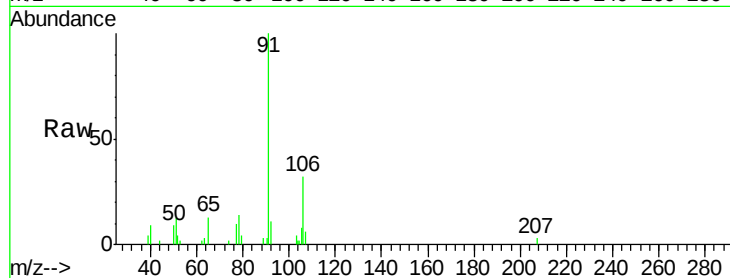




#67
Ethyl Benzene
Concen: 2.197 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

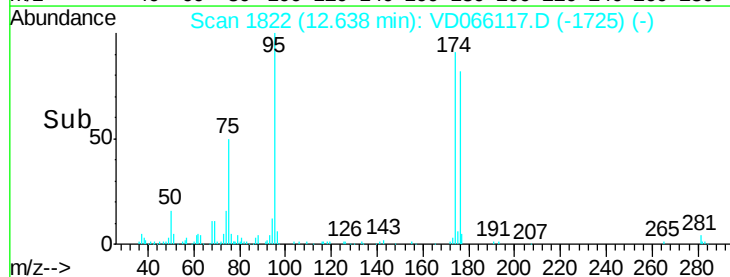
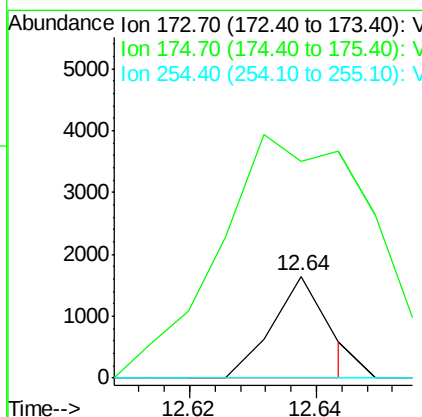
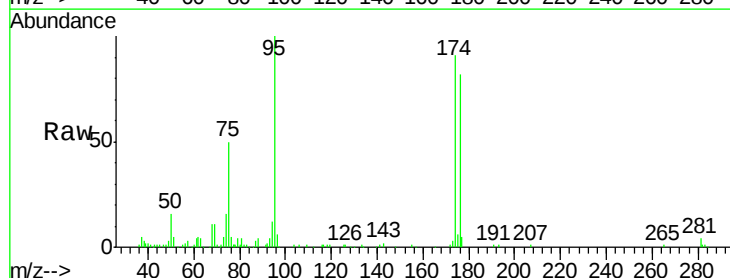
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213RE

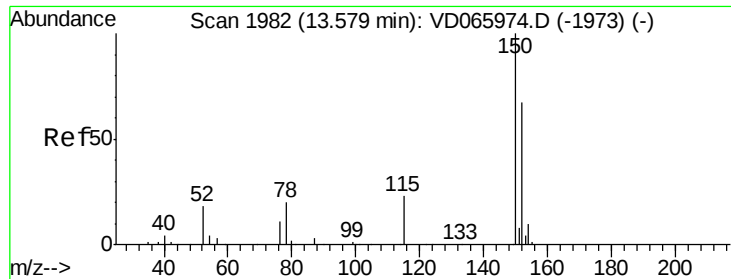
Tot Ion: 91 Resp: 16535
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#71
Bromoform
Concen: 1.064 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

Tgt Ion: 173 Resp: 1006
Ion Ratio Lower Upper
173 100
175 399.0 24.1 72.3#
254 0.0 0.0 0.0



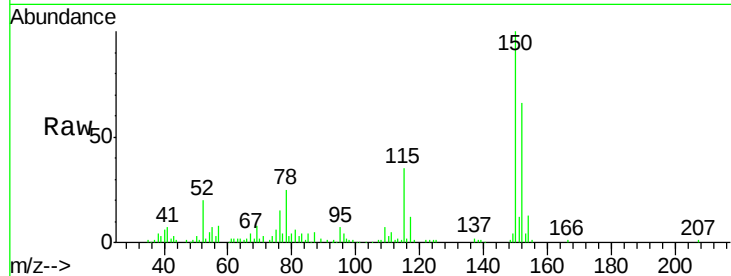


#72

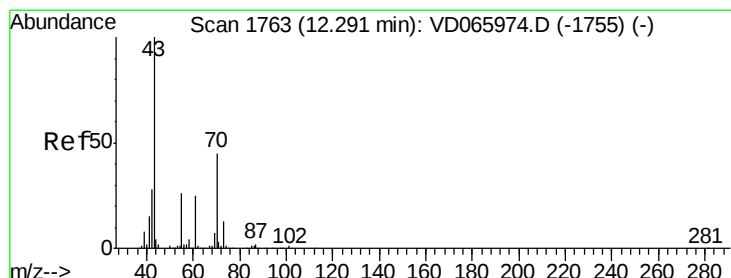
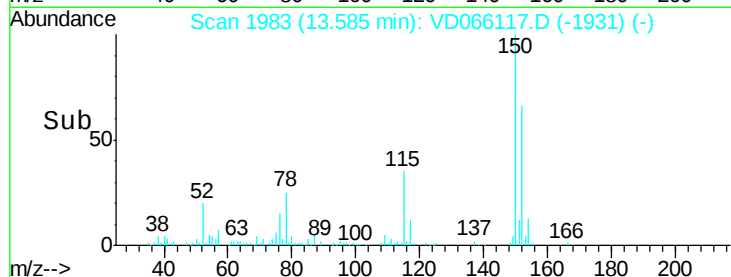
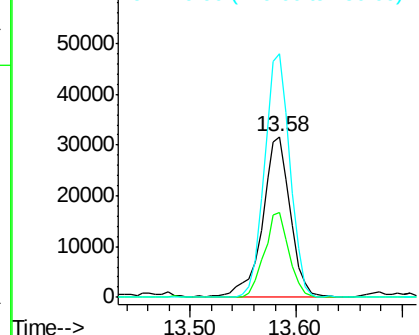
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213RE

Tot Ion:152 Resp: 58377
Ion Ratio Lower Upper
152 100
115 46.9 27.9 83.7
150 137.5 0.0 348.2



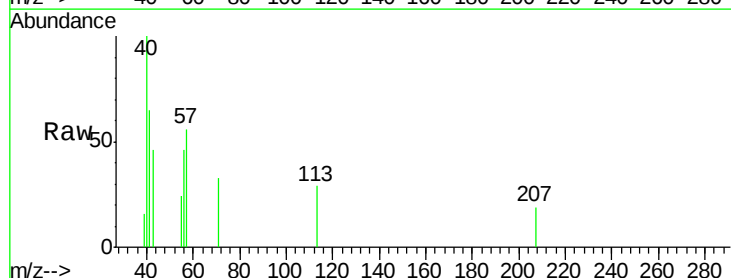
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



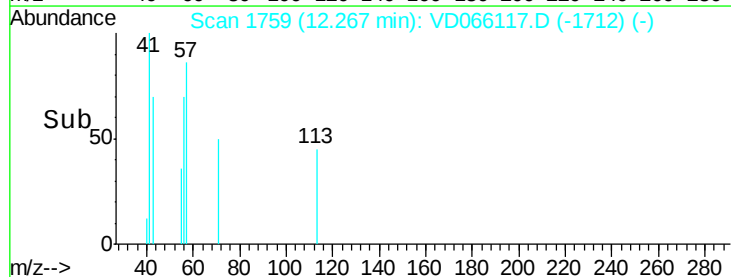
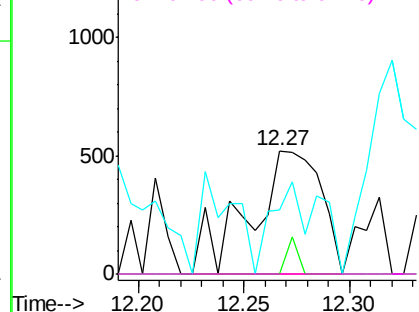
#74

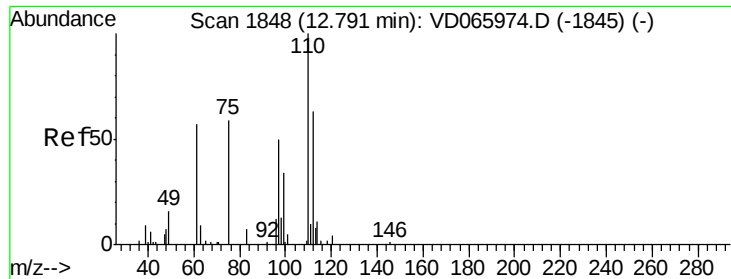
N-ethyl acetate
Concen: 1.668 ug/l
RT: 12.27 min Scan# 1759
Delta R.T. -0.02 min
Lab File: VD066117.D
Acq: 30 Jul 2020 17:53

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
70 4.6 34.6 51.8#
55 49.9 20.3 30.5#
61 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC

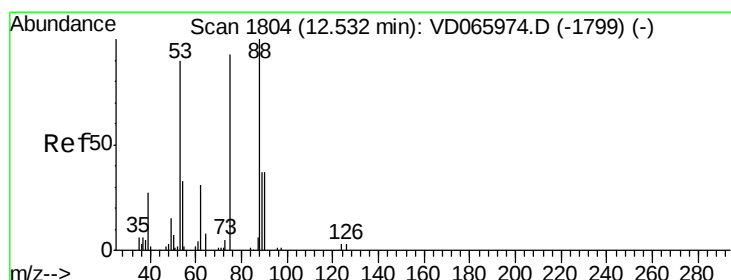
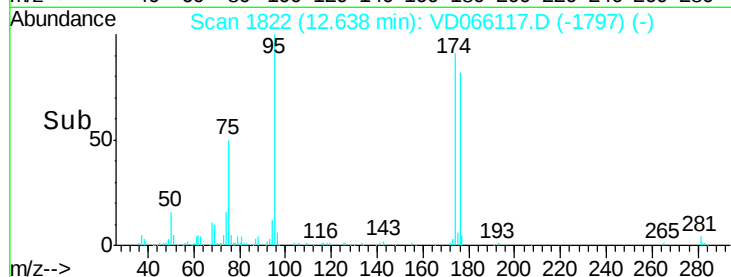
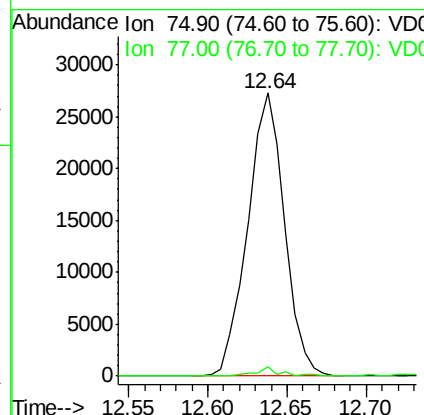
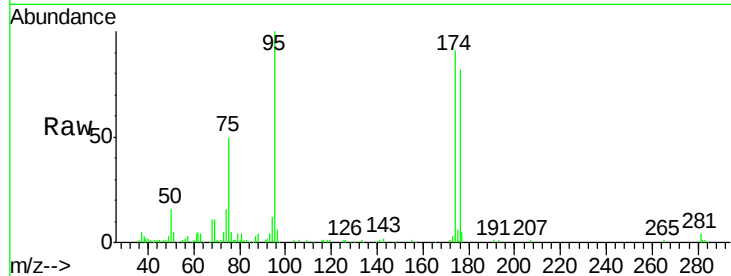




#76
 1,2,3-Trichloropropane
 Concen: 99.864 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

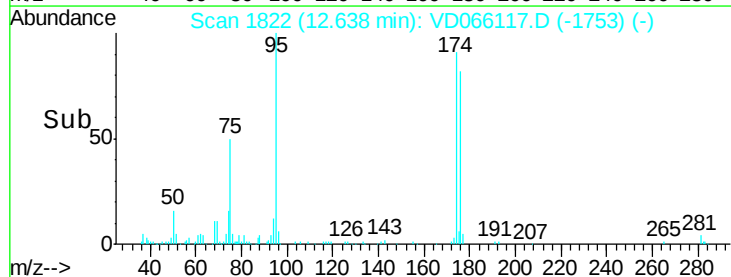
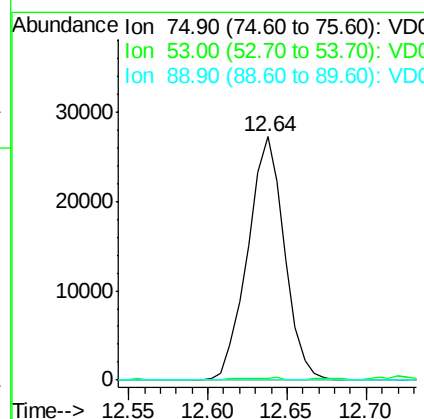
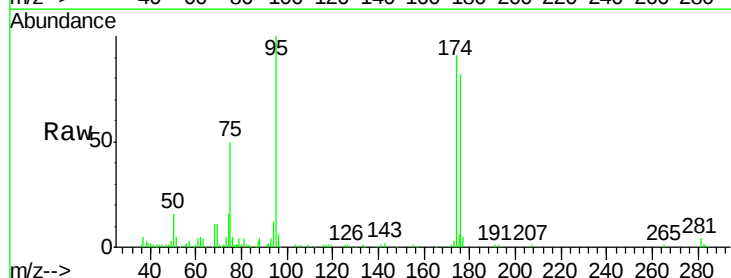
Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-VNJ-213RE

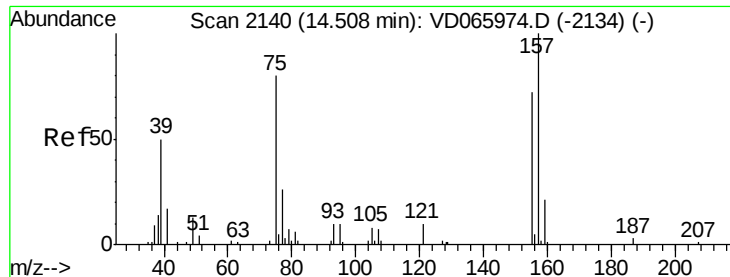
Tot Ion: 75 Resp: 43895
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 229.153 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066117.D
 Acq: 30 Jul 2020 17:53

Tgt Ion: 75 Resp: 43895
 Ion Ratio Lower Upper
 75 100
 53 0.7 76.8 115.2#
 89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.529 ug/l

RT: 14.55 min Scan# 2147

Delta R.T. 0.04 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213RE

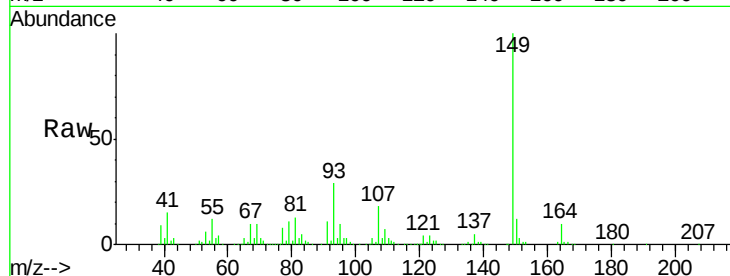
Tot Ion: 75 Resp: 529

Ion Ratio Lower Upper

75 100

155 31.2 48.5 145.5#

157 0.0 64.7 194.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.55

400

300

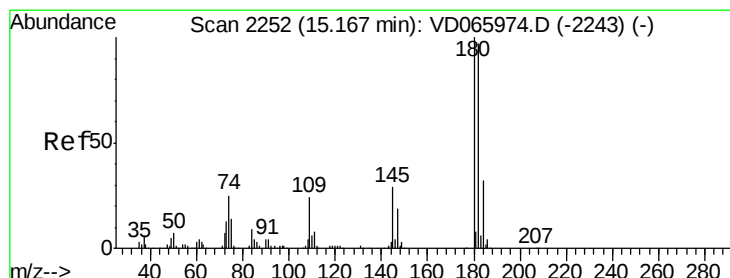
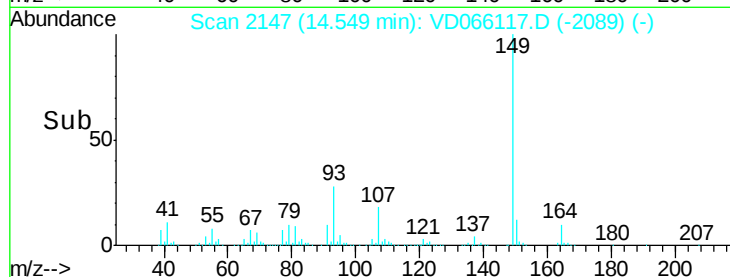
200

100

0

14.55

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.762 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.01 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

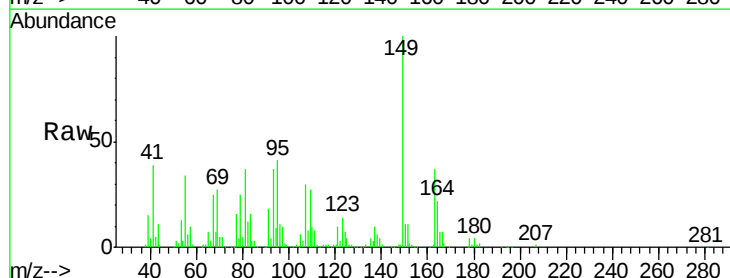
Tgt Ion:180 Resp: 1837

Ion Ratio Lower Upper

180 100

182 108.8 48.1 144.3

145 0.0 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.18

4000

3000

2000

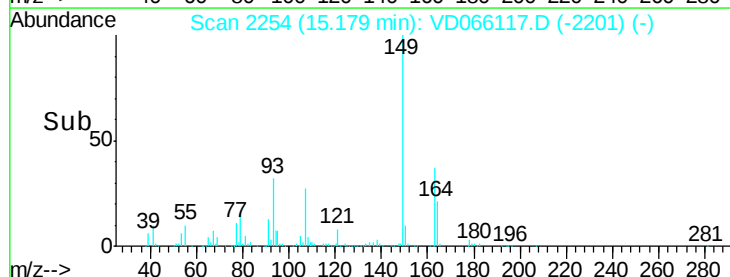
1000

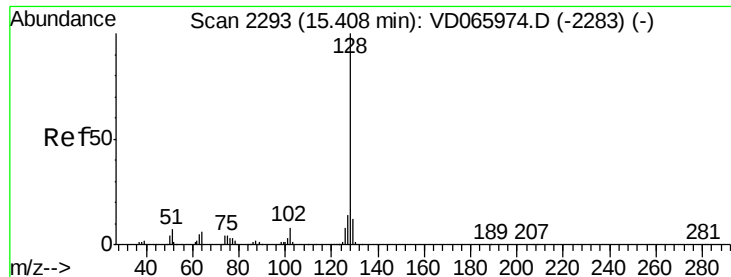
0

15.16

15.18

Time-->





#95

Naphthalene

Concen: 3.707 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213RE

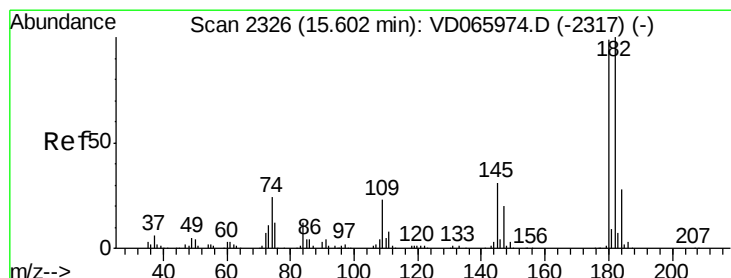
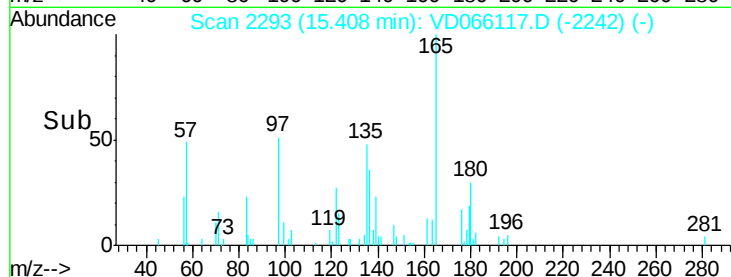
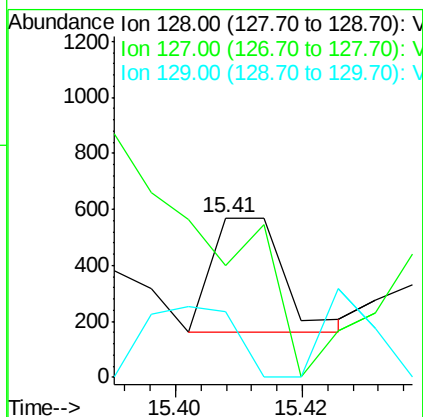
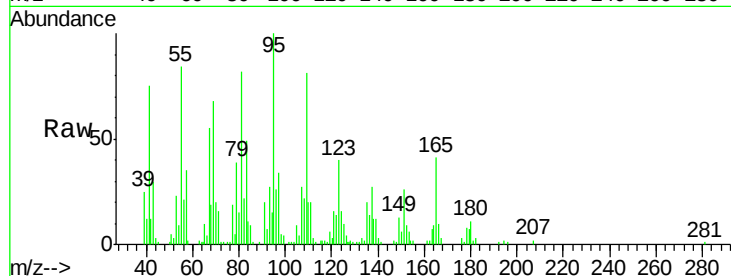
Tot Ion:128 Resp: 319

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 78.7 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 15.729 ug/l

RT: 15.63 min Scan# 2330

Delta R.T. 0.02 min

Lab File: VD066117.D

Acq: 30 Jul 2020 17:53

Tgt Ion:180 Resp: 14255

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

145 0.0 15.4 46.2#

