

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066107.D
 Acq On : 30 Jul 2020 13:18
 Operator : VA/SY
 Sample : L3478-02
 Misc : 6.93G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-VNJ-213

Quant Time: Jul 31 01:55:11 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	181633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	295986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	268271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	83973	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	89430	60.51	ug/l	0.00
Spiked Amount			Recovery	=	121.02%	
35) Dibromofluoromethane	7.92	113	96019	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.34	98	333451	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.64	95	106369	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

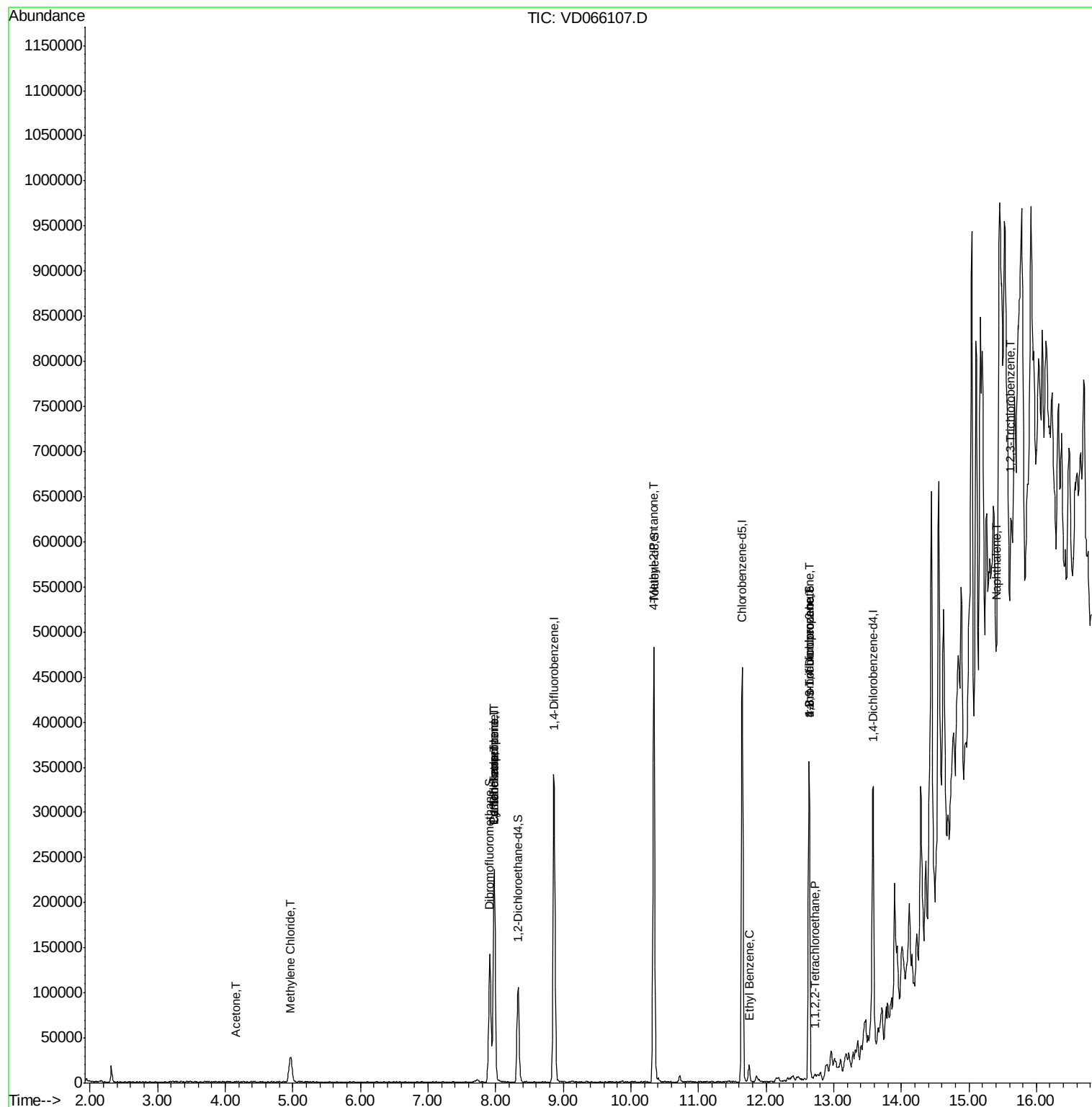
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	222	Below Cal	#	83
16) Acetone	4.16	43	676	2.260	ug/l #	42
20) Methylene Chloride	4.96	84	22574	11.355	ug/l	87
31) Cyclohexane	7.97	56	3363	1.265	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	11852	4.692	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17203	6.276	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1350	1.422	ug/l #	1
67) Ethyl Benzene	11.75	91	12127	1.435	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.72	83	948	1.129	ug/l #	36
76) 1,2,3-Trichloropropane	12.64	75	54702	86.516	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	54702	198.525	ug/l #	11
95) Naphthalene	15.41	128	567	3.745	ug/l #	48
96) 1,2,3-Trichlorobenzene	15.62	180	17159	13.162	ug/l #	12

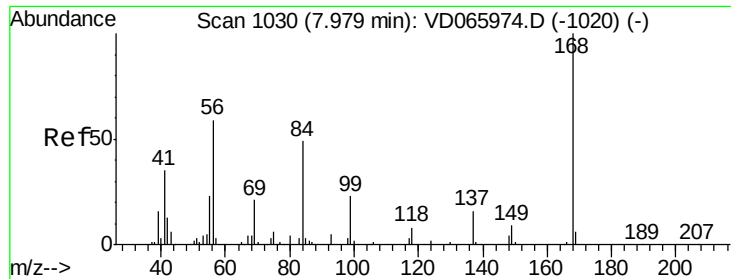
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

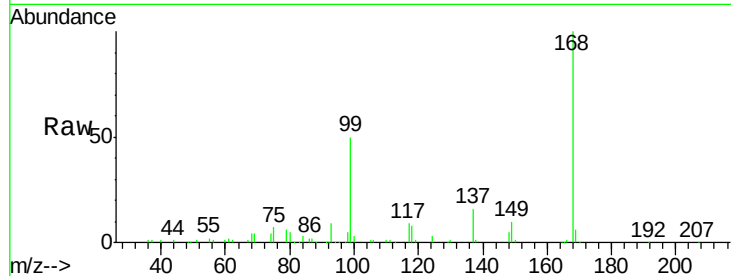
ROLLOFF-VNJ-213

Tot Ion:168 Resp: 181633

Ion Ratio Lower Upper

168 100

99 50.2 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

80000

60000

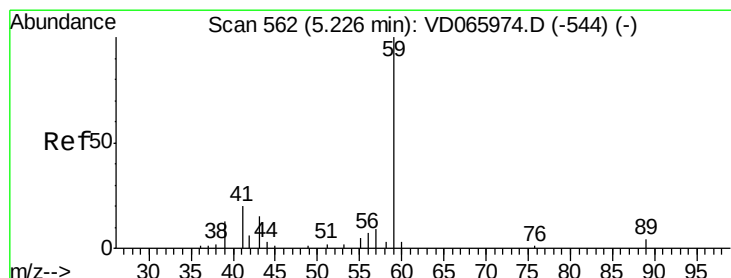
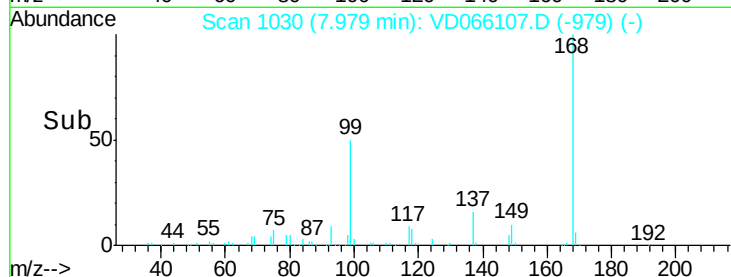
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD066107.D

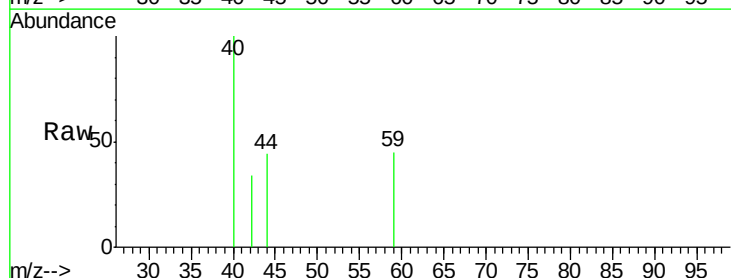
Acq: 30 Jul 2020 13:18

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

300

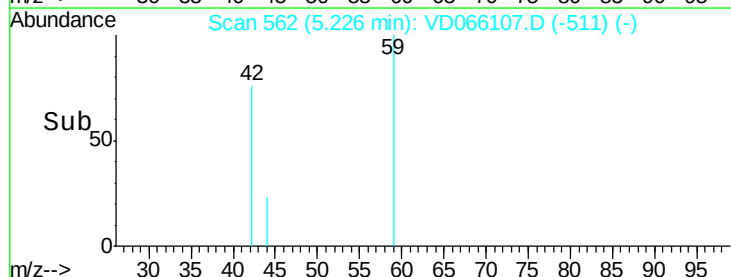
200

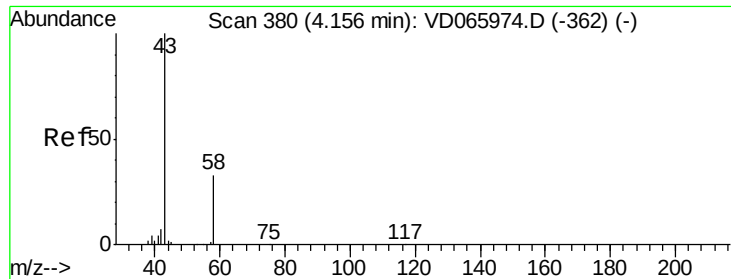
100

0

5.20 5.22 5.24

Time-->





#16

Acetone

Concen: 2.260 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

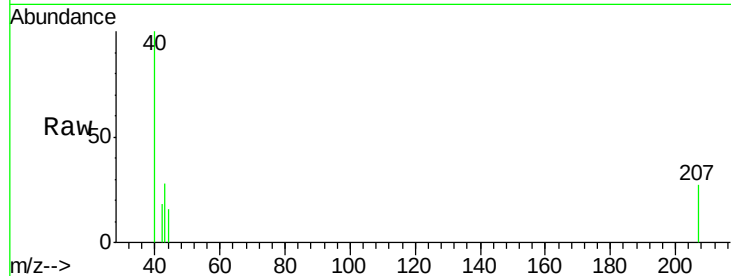
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion: 43 Resp: 676

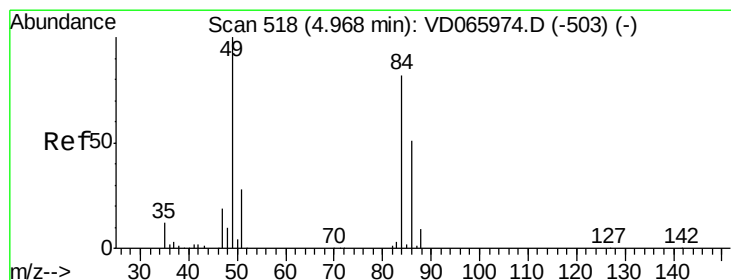
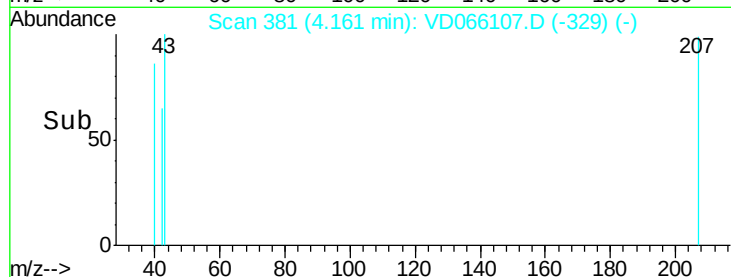
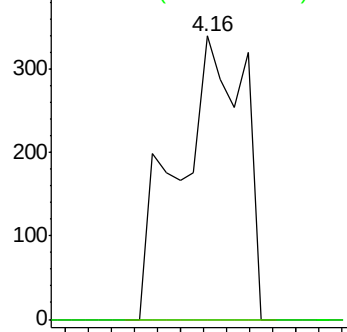
Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 11.355 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Tgt Ion: 84 Resp: 22574

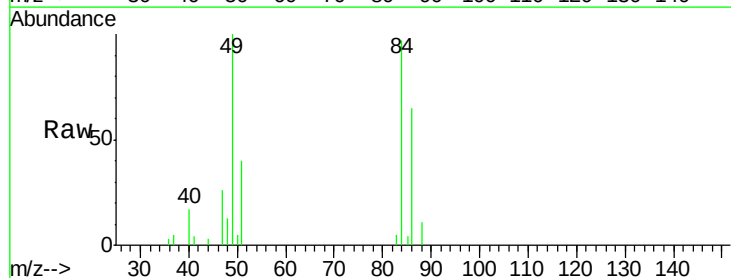
Ion Ratio Lower Upper

84 100

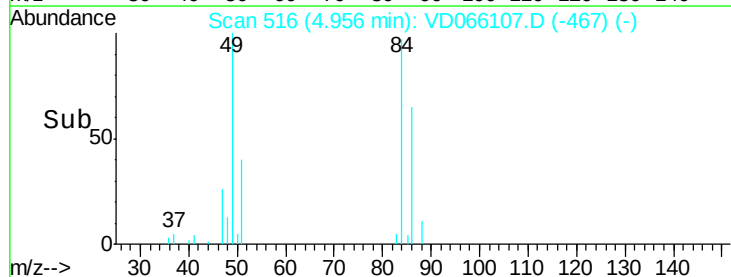
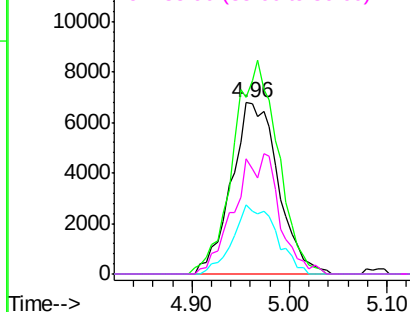
49 102.9 97.7 146.5

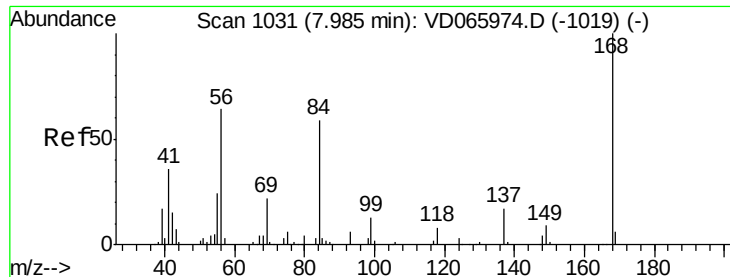
51 40.7 27.4 41.2

86 67.1 49.4 74.2



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

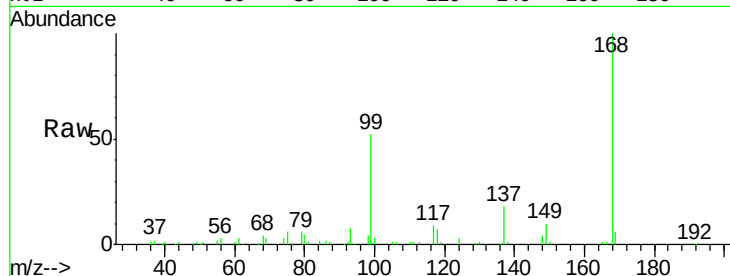




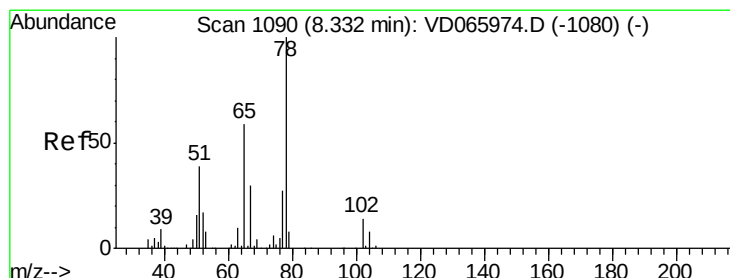
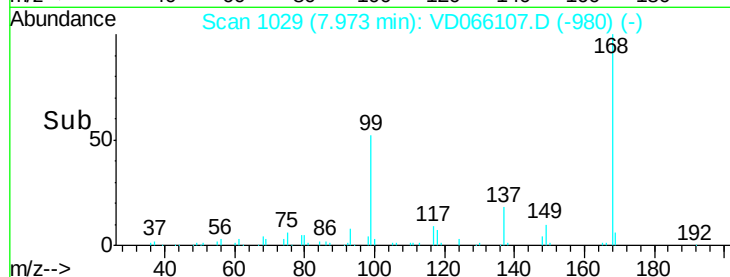
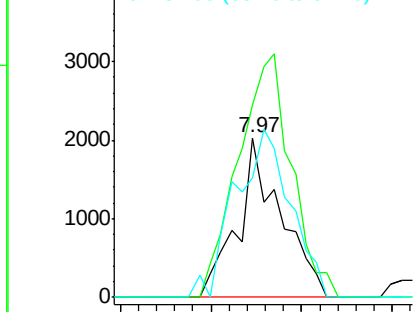
#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066107.D
Acq: 30 Jul 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213

Tot Ion: 56 Resp: 3363
Ion Ratio Lower Upper
56 100
69 120.5 28.0 42.0#
84 74.7 72.6 109.0

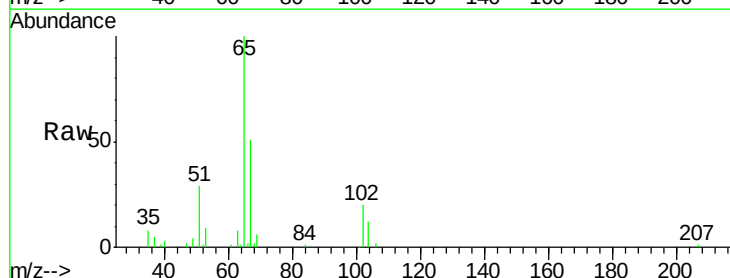


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

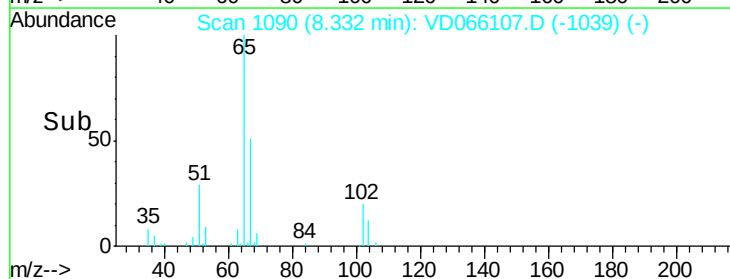
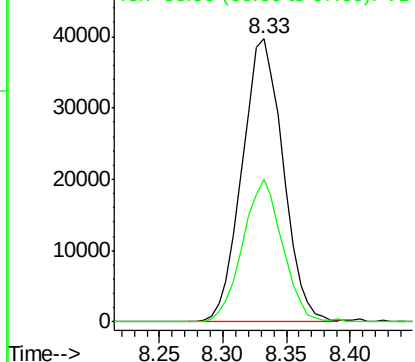


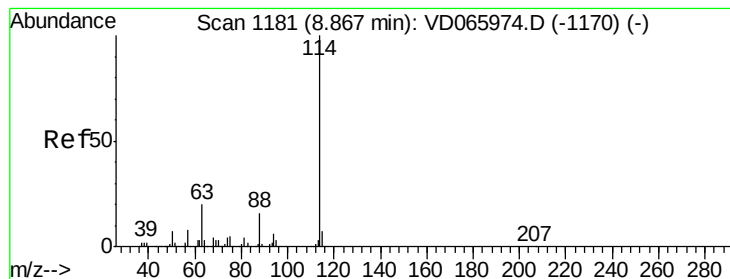
#33
1,2-Dichloroethane-d4
Concen: 60.510 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066107.D
Acq: 30 Jul 2020 13:18

Tgt Ion: 65 Resp: 89430
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213

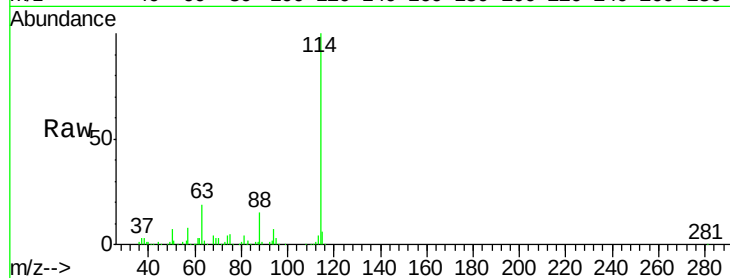
Tot Ion:114 Resp: 295986

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

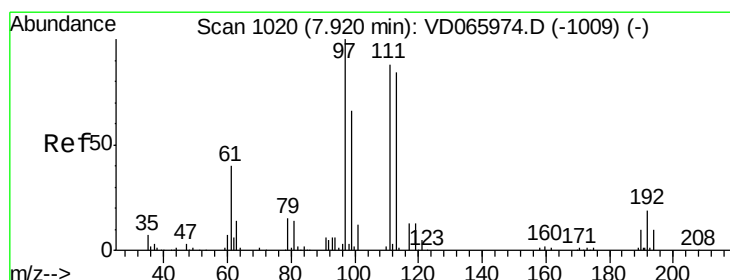
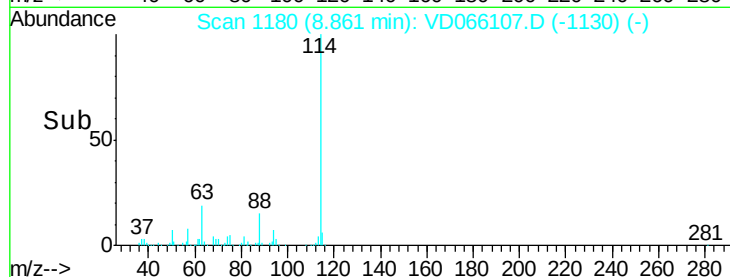
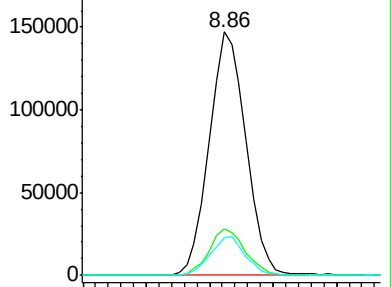
88 15.3 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 53.485 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

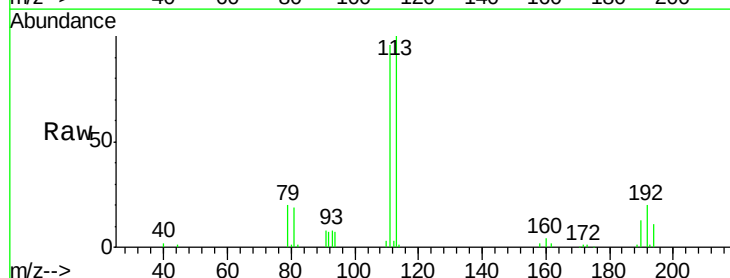
Tgt Ion:113 Resp: 96019

Ion Ratio Lower Upper

113 100

111 104.4 83.2 124.8

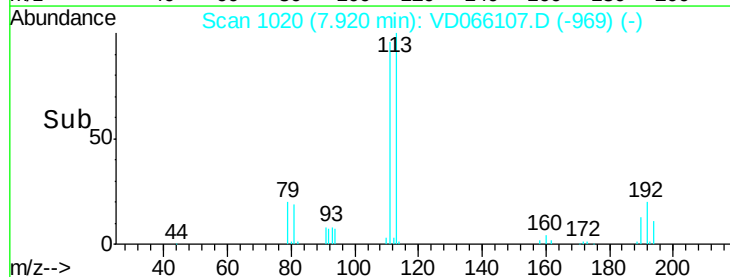
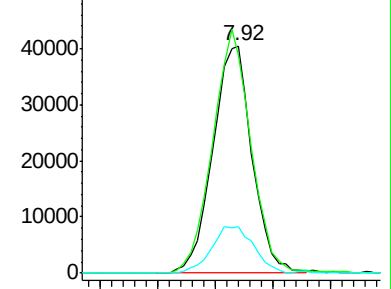
192 21.9 18.7 28.1

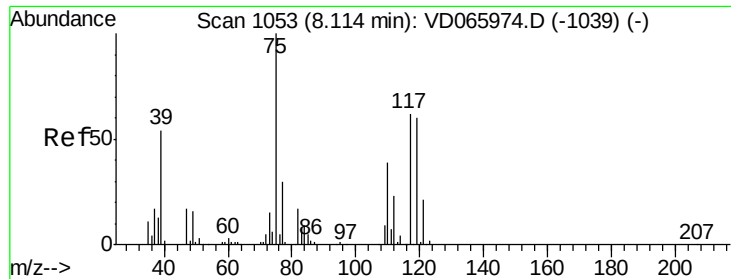


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213

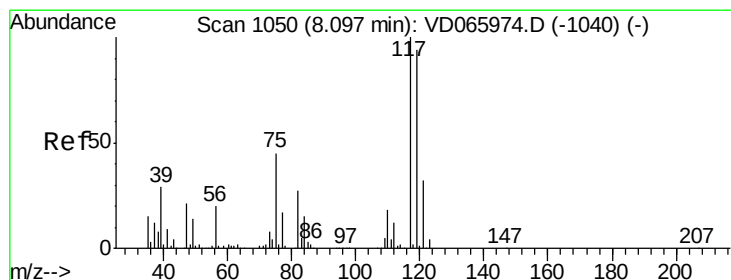
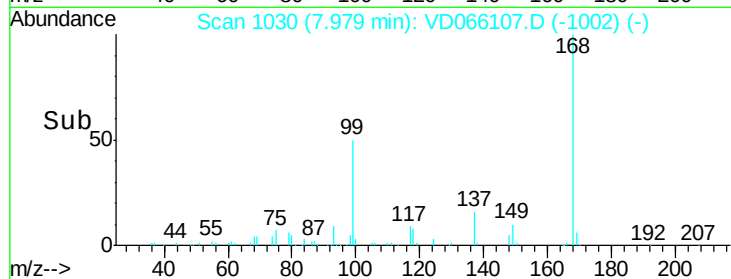
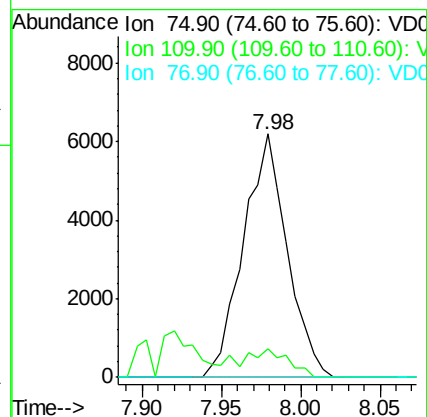
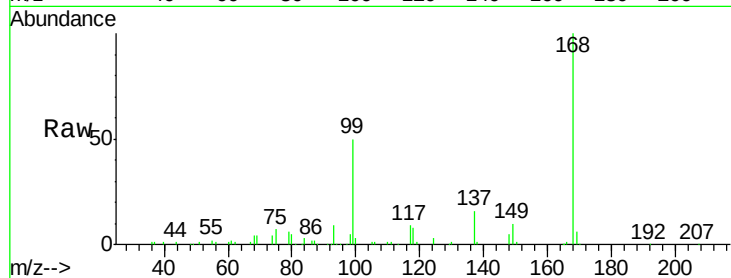
Tot Ion: 75 Resp: 11852

Ion Ratio Lower Upper

75 100

110 12.6 19.5 58.5#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.276 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

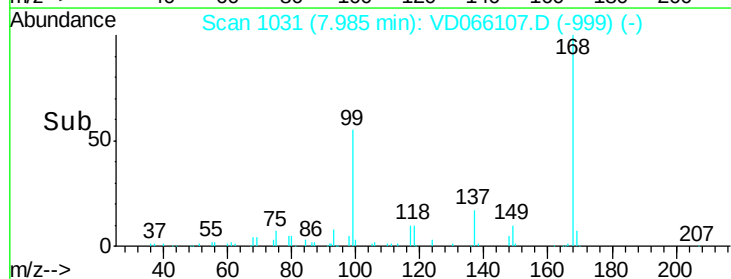
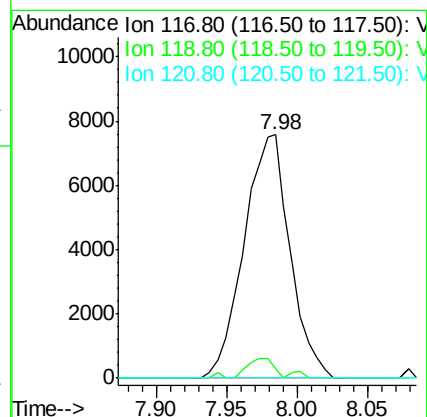
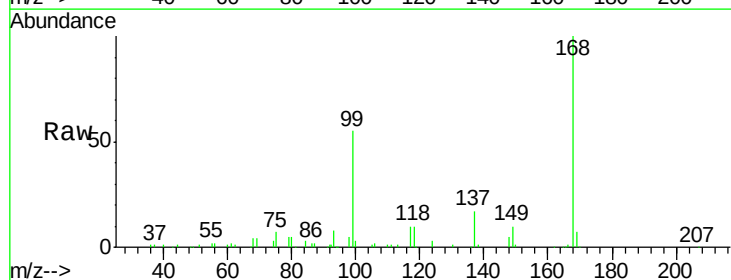
Tgt Ion: 117 Resp: 17203

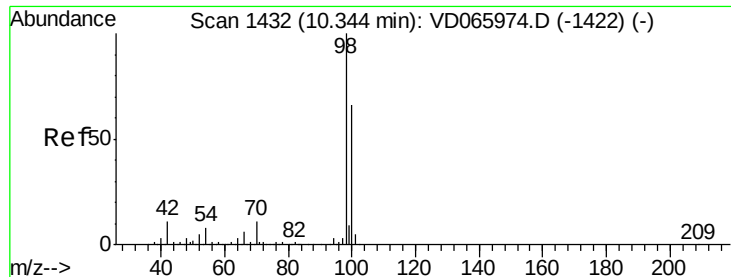
Ion Ratio Lower Upper

117 100

119 4.0 75.0 112.6#

121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 49.860 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

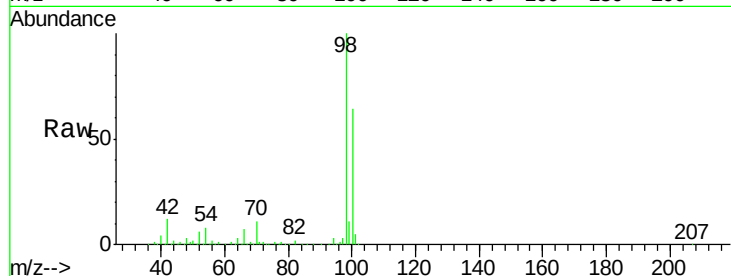
ROLLOFF-VNJ-213

Tot Ion: 98 Resp: 333451

Ion Ratio Lower Upper

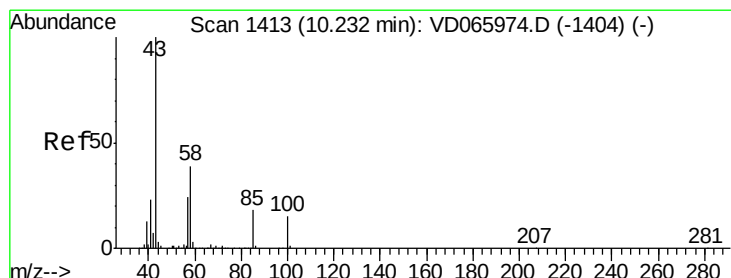
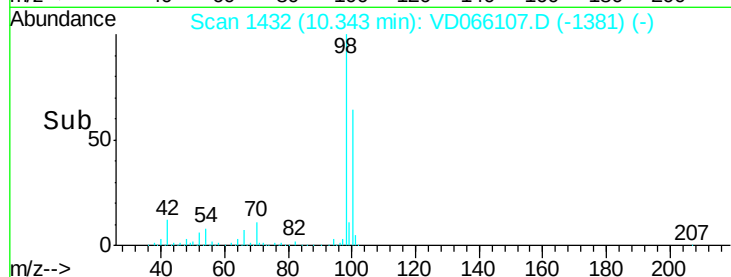
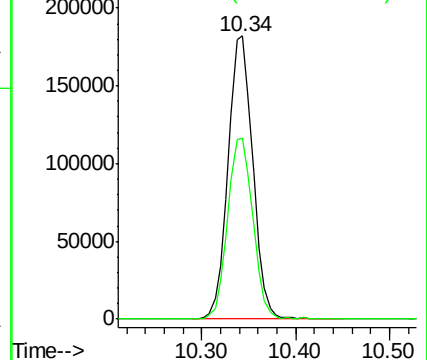
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.422 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.10 min

Lab File: VD066107.D

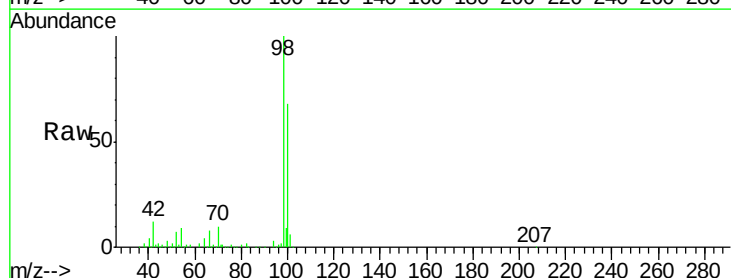
Acq: 30 Jul 2020 13:18

Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

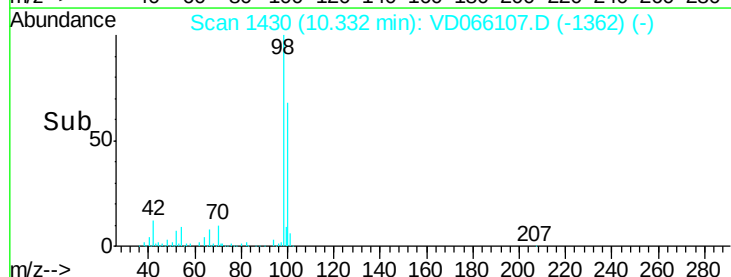
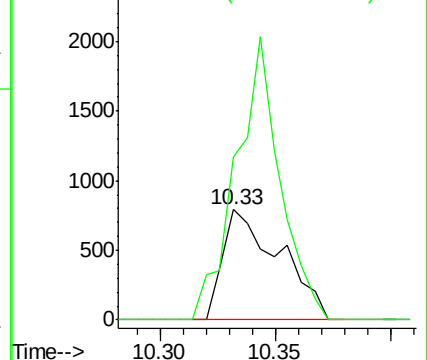
43 100

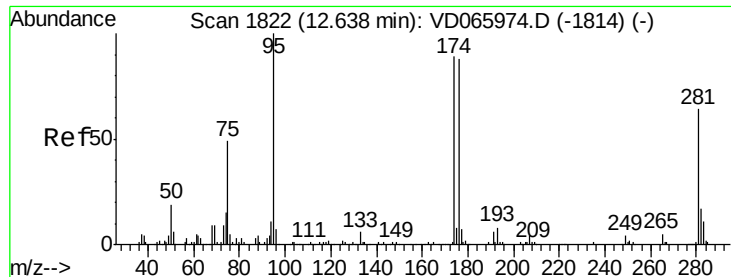
58 200.5 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

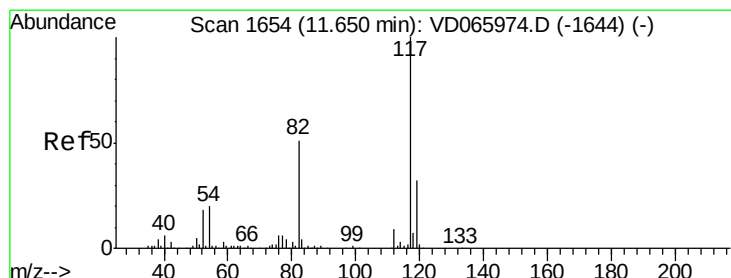
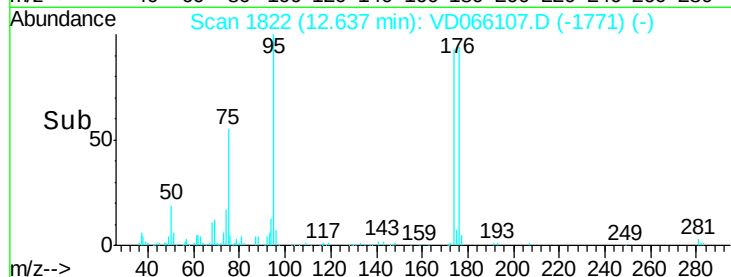
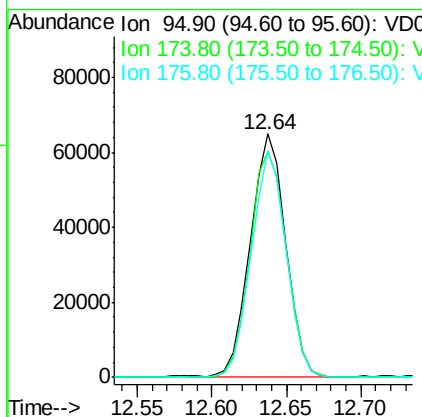
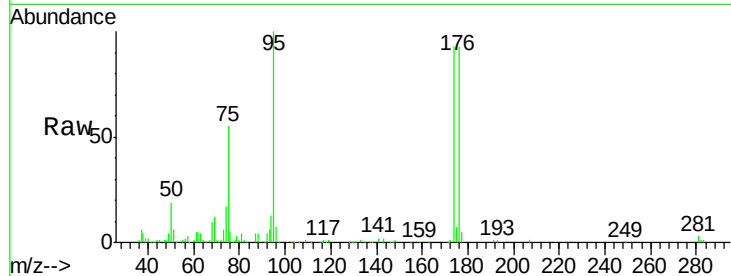




#62
4-Bromofluorobenzene
Concen: 45.870 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066107.D
Acq: 30 Jul 2020 13:18

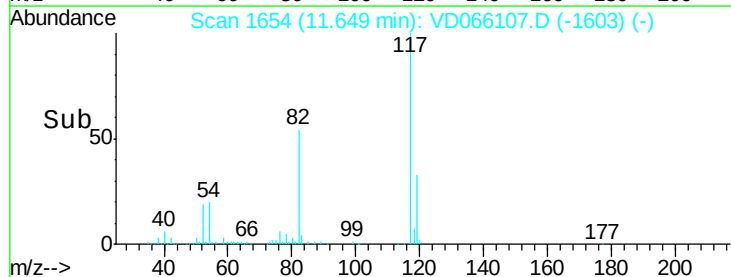
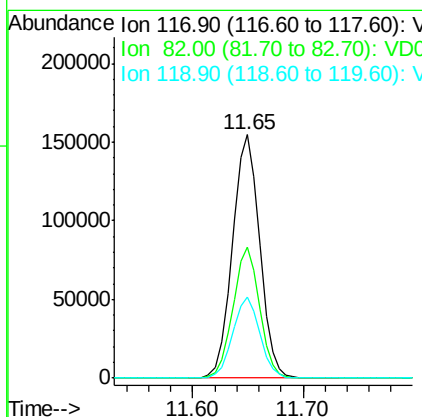
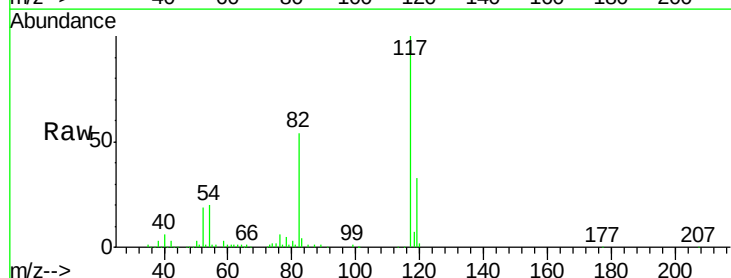
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-VNJ-213

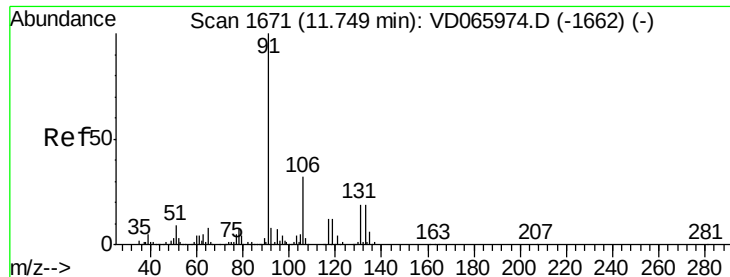
Tot Ion: 95 Resp: 106369
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.8
176 91.4 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066107.D
Acq: 30 Jul 2020 13:18

Tgt Ion: 117 Resp: 268271
Ion Ratio Lower Upper
117 100
82 54.0 41.1 61.7
119 33.4 25.9 38.9





#67

Ethyl Benzene

Concen: 1.435 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

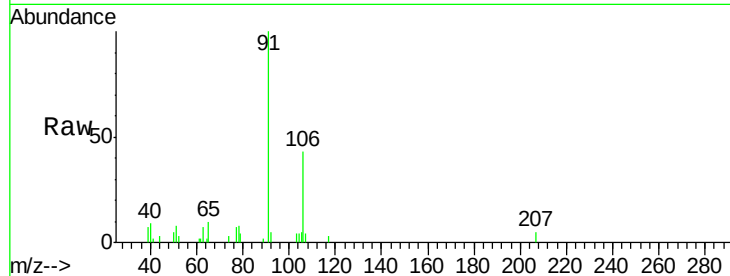
ROLLOFF-VNJ-213

Tot Ion: 91 Resp: 12127

Ion Ratio Lower Upper

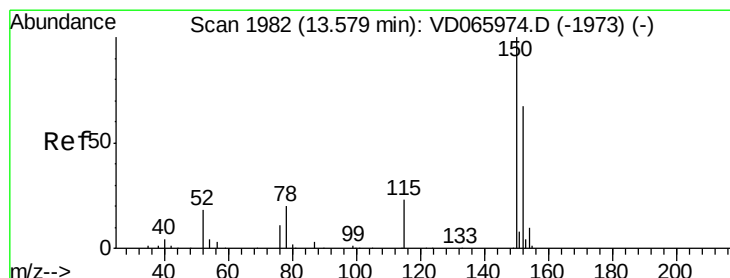
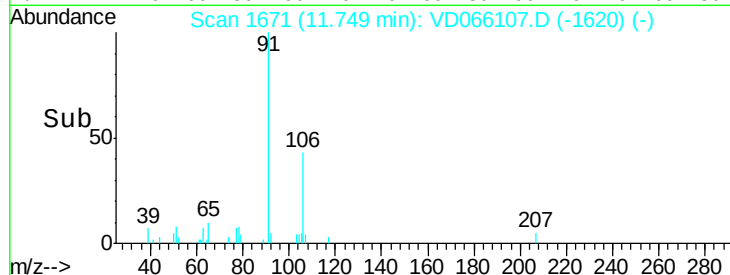
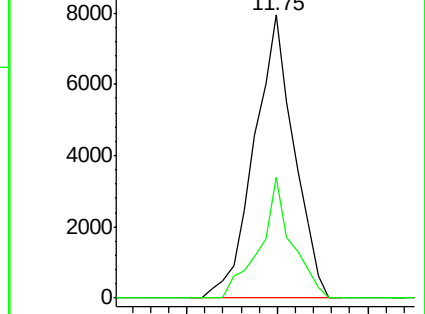
91 100

106 42.9 25.7 38.5#



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065974.D (-1662) (-)



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

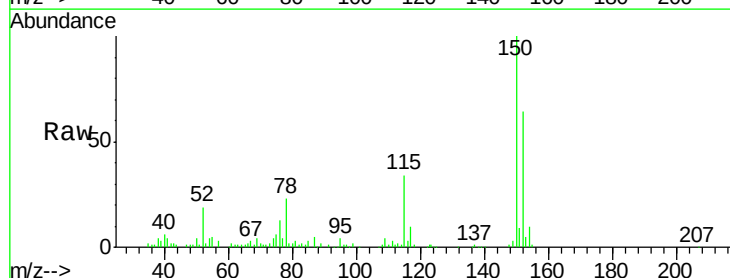
Tgt Ion: 152 Resp: 83973

Ion Ratio Lower Upper

152 100

115 52.6 27.9 83.7

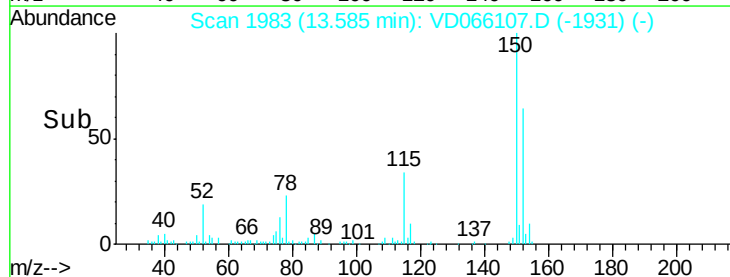
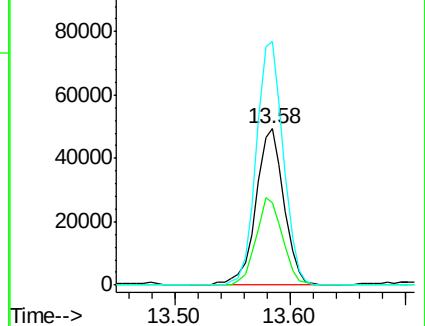
150 149.3 0.0 348.2

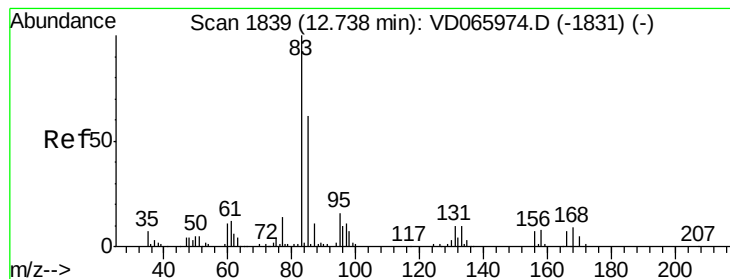


Abundance Ion 151.90 (151.60 to 152.60): VD065974.D (-1973) (-)

Ion 114.90 (114.60 to 115.60): VD065974.D (-1973) (-)

Ion 149.90 (149.60 to 150.60): VD065974.D (-1973) (-)





#75

1,1,2,2-Tetrachloroethane

Concen: 1.129 ug/l

RT: 12.72 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213

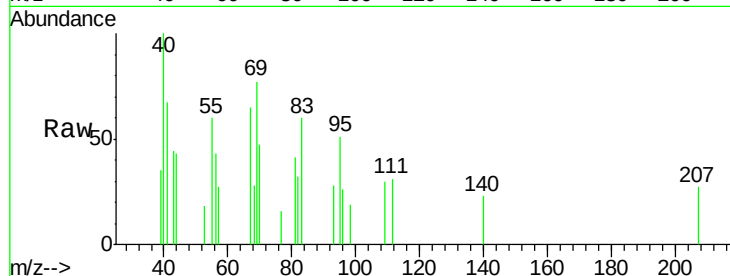
Tot Ion: 83 Resp: 948

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

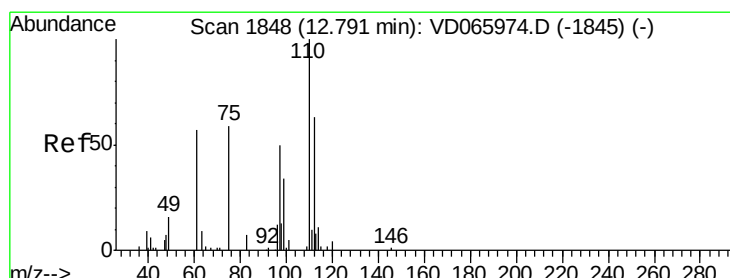
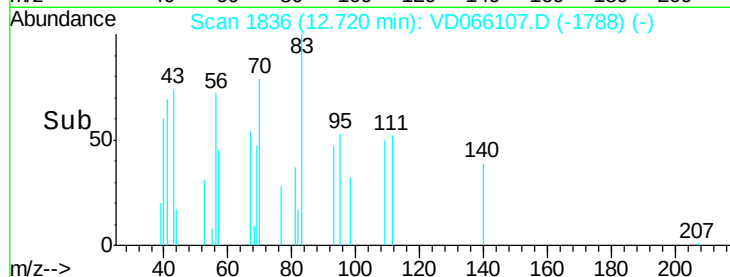
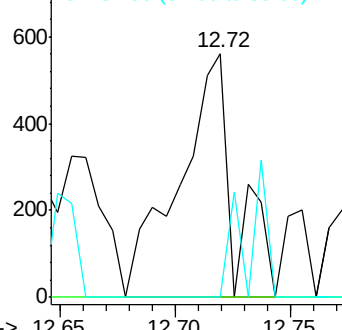
85 9.1 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 86.516 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066107.D

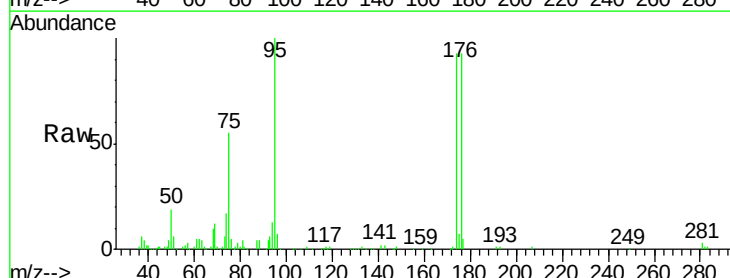
Acq: 30 Jul 2020 13:18

Tgt Ion: 75 Resp: 54702

Ion Ratio Lower Upper

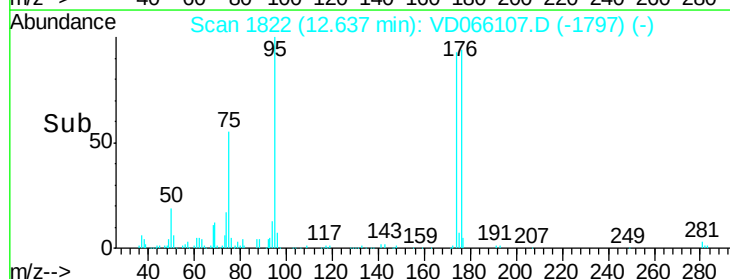
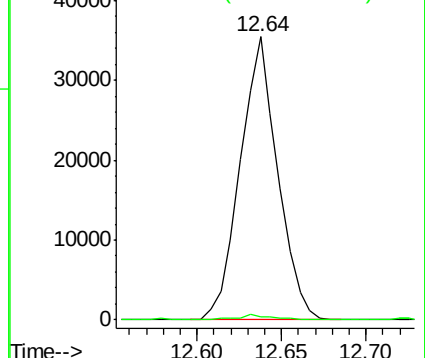
75 100

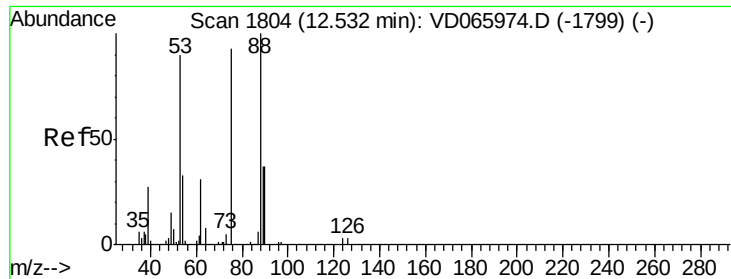
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 198.525 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-VNJ-213

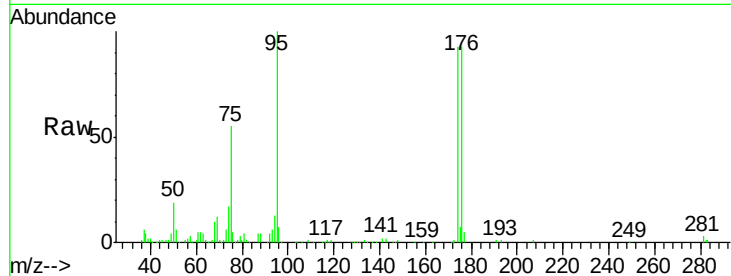
Tot Ion: 75 Resp: 54702

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

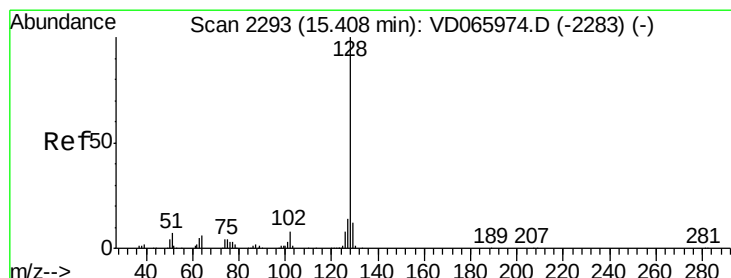
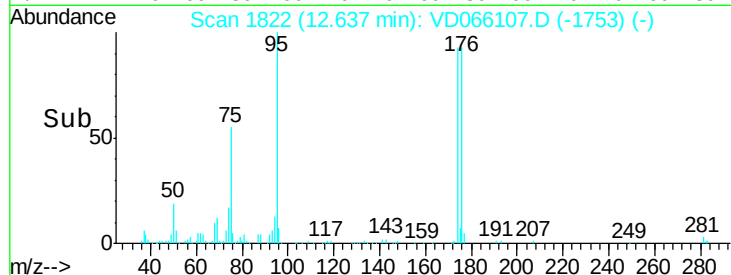
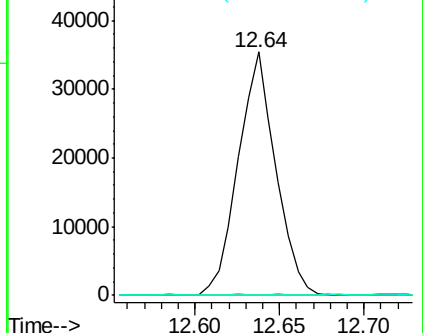
89 0.0 37.0 55.4#



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



#95

Naphthalene

Concen: 3.745 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066107.D

Acq: 30 Jul 2020 13:18

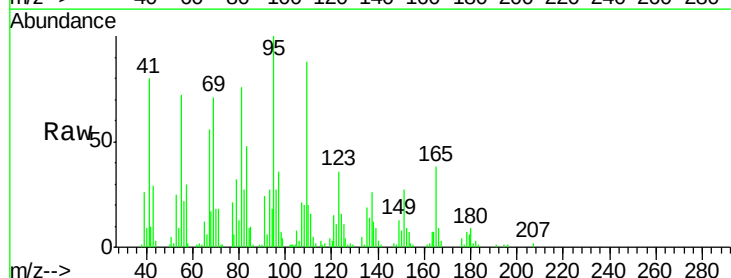
Tgt Ion: 128 Resp: 567

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

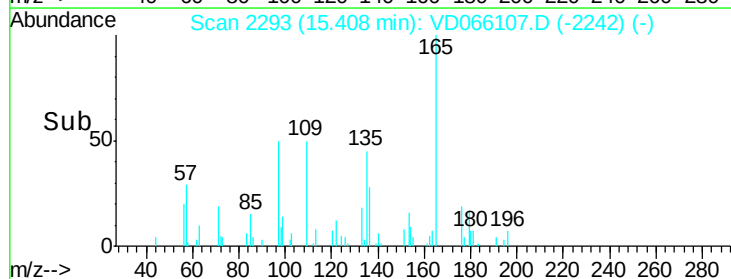
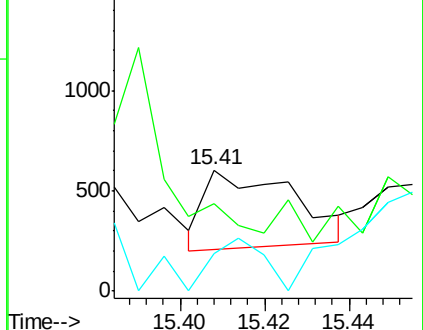
129 39.7 8.9 13.3#

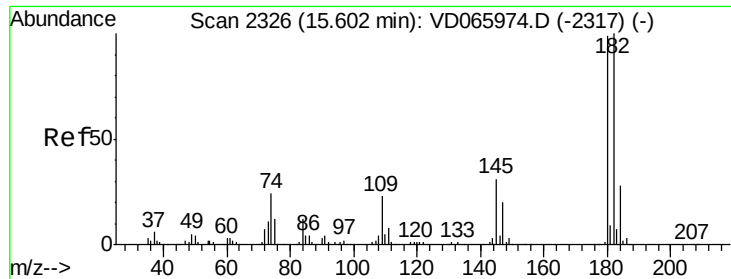


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 13.162 ug/l
 RT: 15.62 min Scan# 2329
 Delta R.T. 0.02 min
 Lab File: VD066107.D
 Acq: 30 Jul 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-VNJ-213

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	15.4	46.2#

