

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066097.D
 Acq On : 29 Jul 2020 18:49
 Operator : VA/SY
 Sample : L3489-04RE
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:33:41 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	84779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	139000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	169085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	94413	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	55045	79.79	ug/l	0.00
Spiked Amount			Recovery	=	159.58%	
35) Dibromofluoromethane	7.91	113	48183	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
50) Toluene-d8	10.34	98	174459	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	75452	69.29	ug/l	0.00
Spiked Amount			Recovery	=	138.58%	

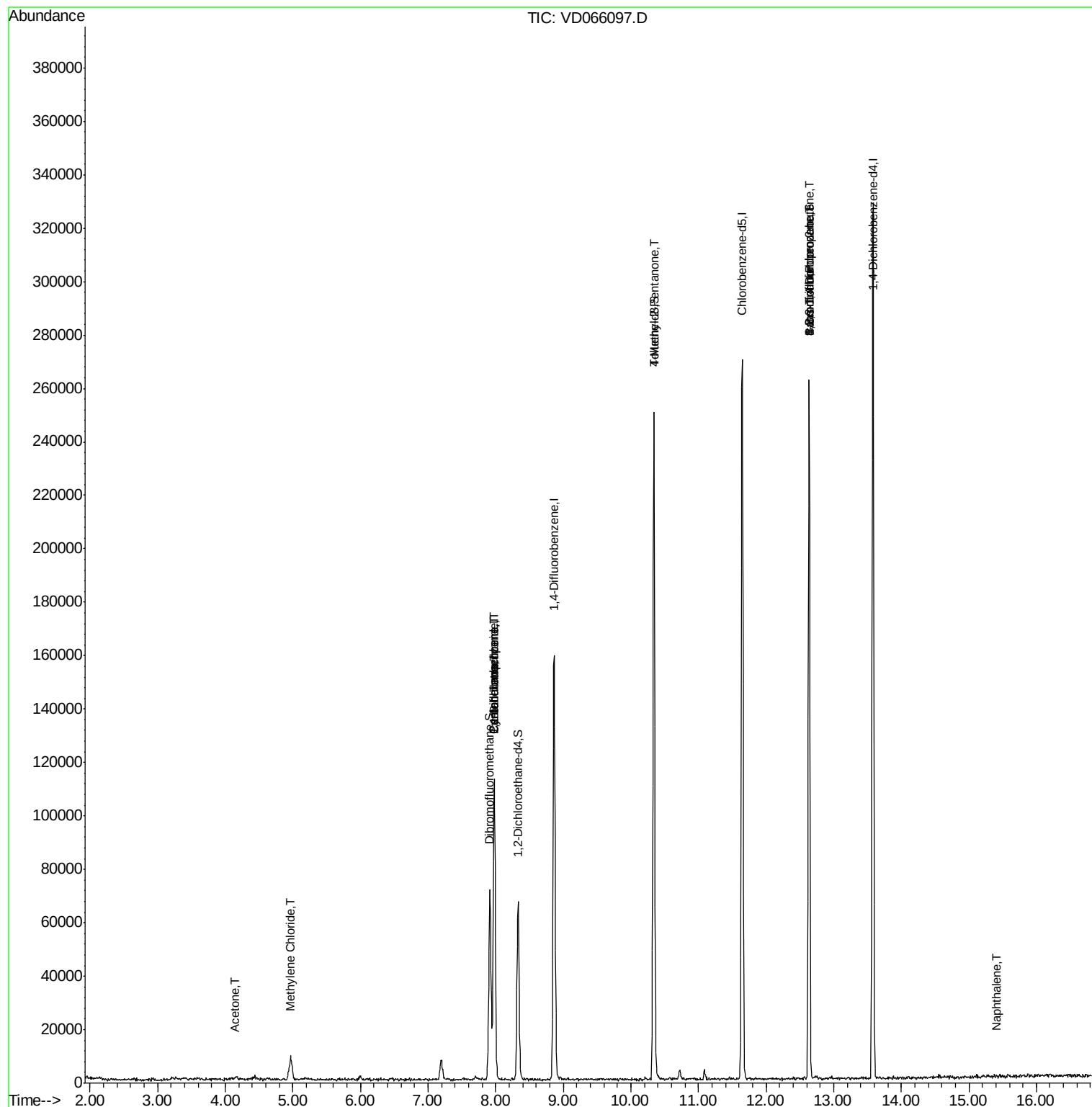
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	3.01	94	63	Below Cal	#	4
11) Tert butyl alcohol	5.23	59	67	Below Cal	#	83
16) Acetone	4.16	43	1693	12.125	ug/l #	42
20) Methylene Chloride	4.96	84	6996	6.480	ug/l	89
31) Cyclohexane	7.98	56	1857	1.497	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	5665	4.775	ug/l #	50
38) Carbon Tetrachloride	7.98	117	8406	6.531	ug/l #	20
51) 4-Methyl-2-Pentanone	10.34	43	771	1.729	ug/l #	1
71) Bromoform	12.63	173	858	1.281	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	40364	56.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	40364	130.291	ug/l #	11
95) Naphthalene	15.41	128	60	3.566	ug/l #	68

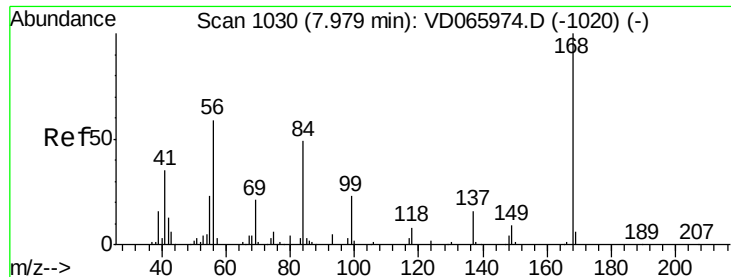
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066097.D
Acq On : 29 Jul 2020 18:49
Operator : VA/SY
Sample : L3489-04RE
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 30 01:33:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
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: VD066097.D

Acq: 29 Jul 2020 18:49

Instrument :

MSVOA_D

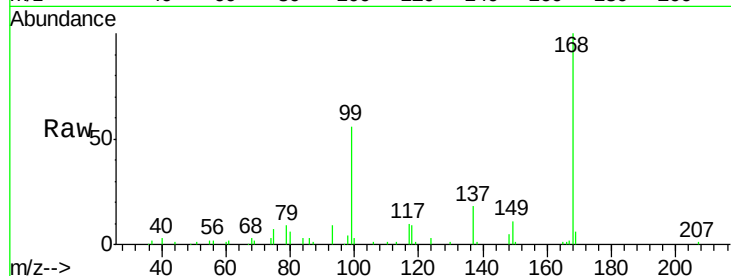
ClientSampleId :

Tot Ion:168 Resp: 84779

Ion Ratio Lower Upper

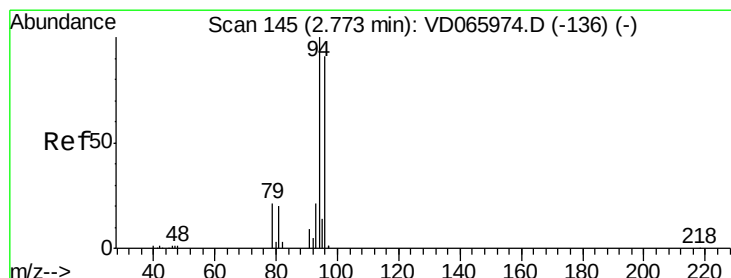
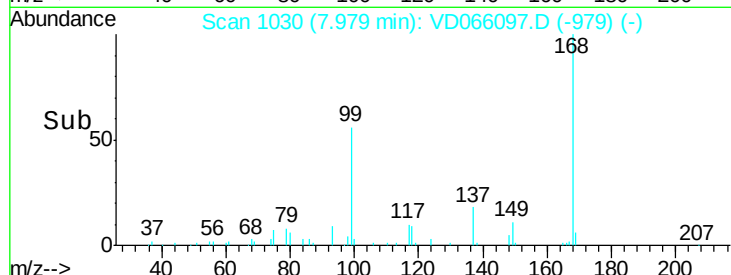
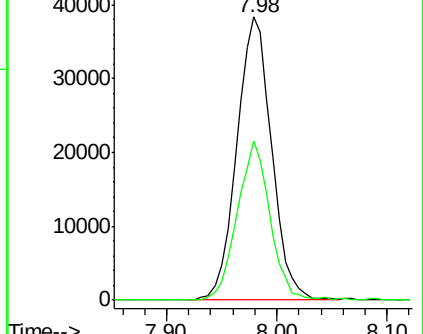
168 100

99 56.3 40.8 61.2



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: 3.01 min Scan# 186

Delta R.T. 0.24 min

Lab File: VD066097.D

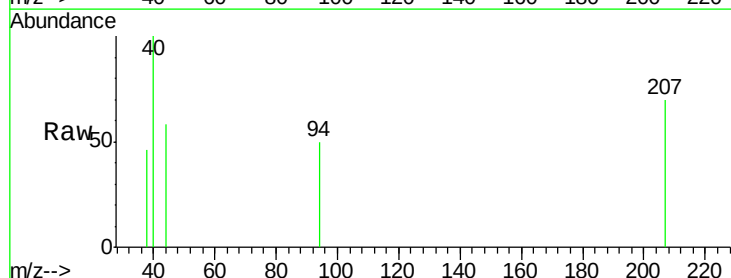
Acq: 29 Jul 2020 18:49

Tgt Ion: 94 Resp: 63

Ion Ratio Lower Upper

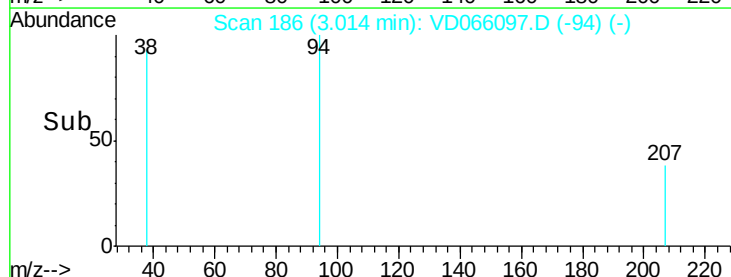
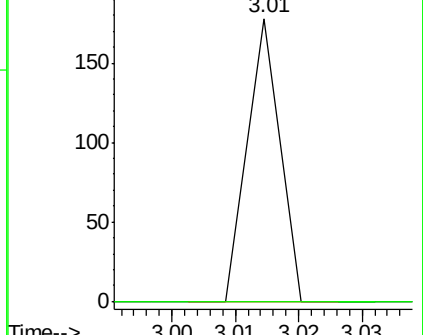
94 100

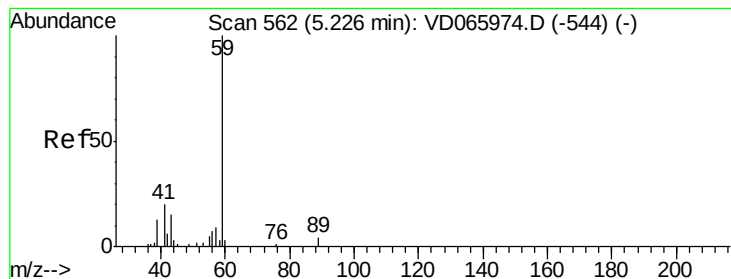
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



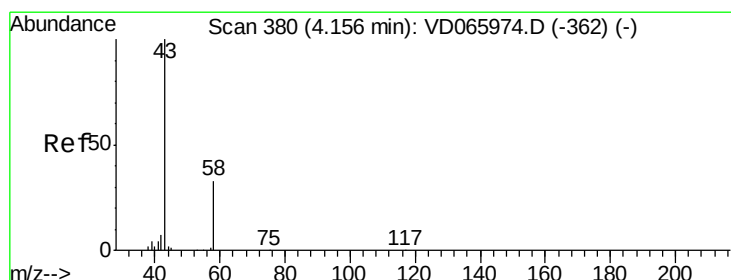
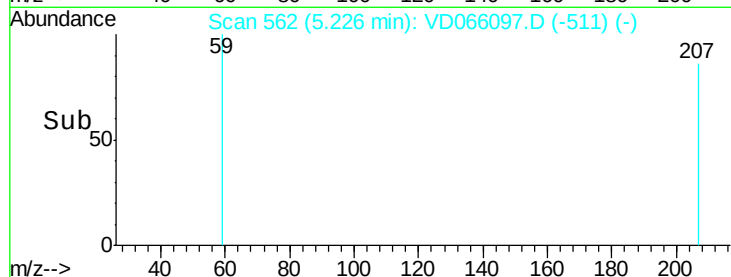
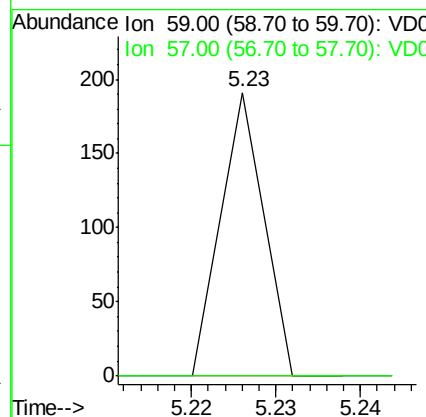
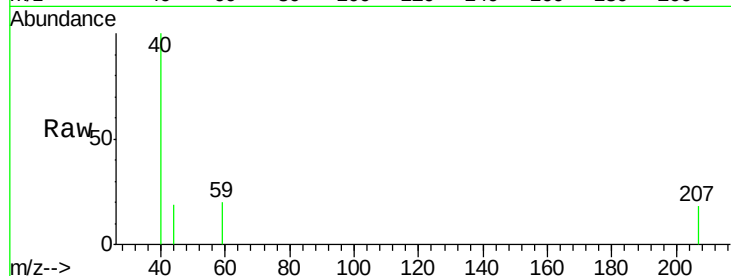


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

Instrument :
 MSVOA_D
 ClientSampleId :

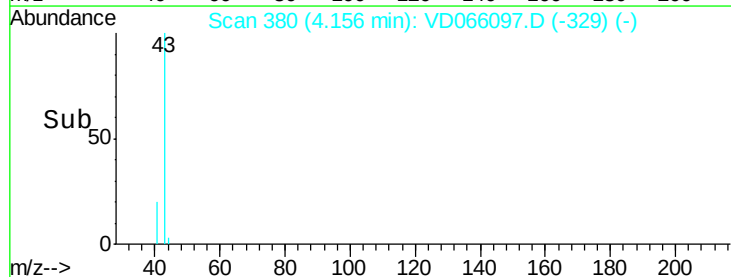
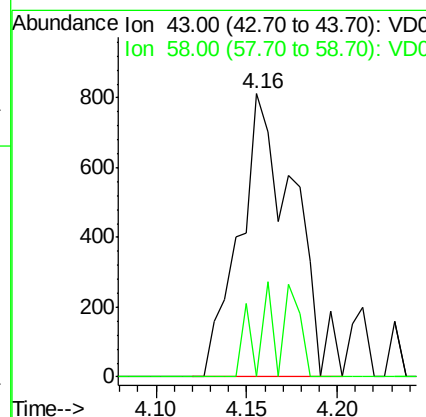
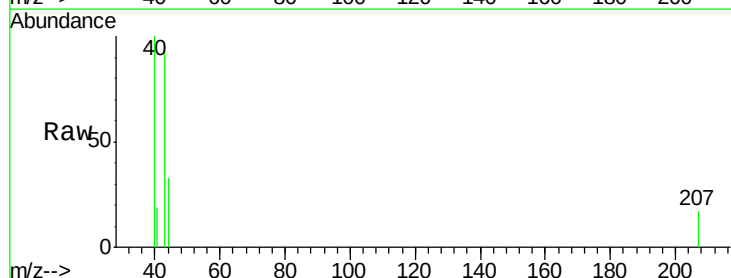
Tot Ion: 59 Resp: 67
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

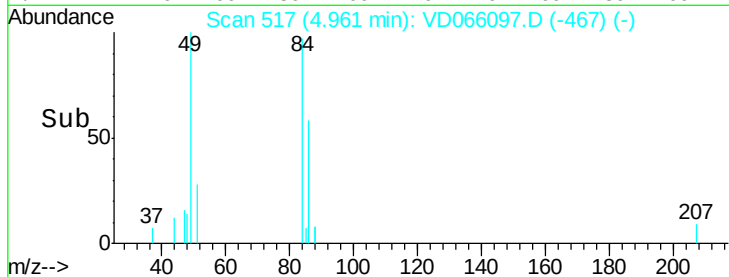
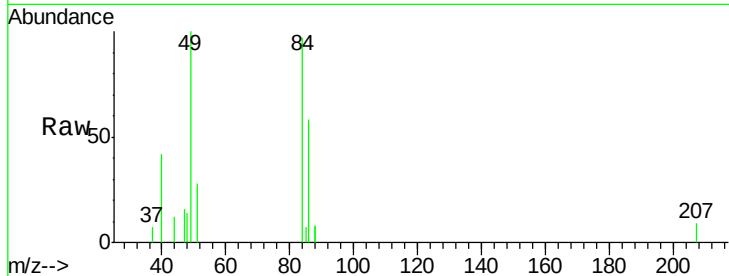
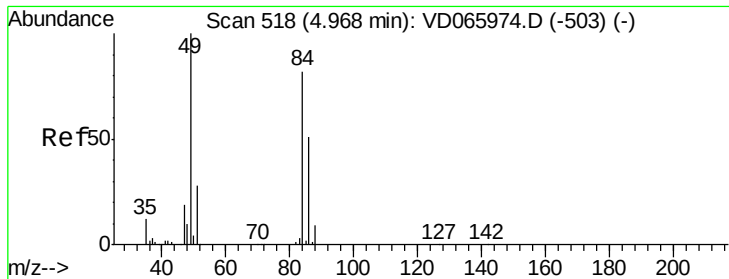


#16

Acetone
 Concen: 12.125 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

Tgt Ion: 43 Resp: 1693
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.3 39.5#

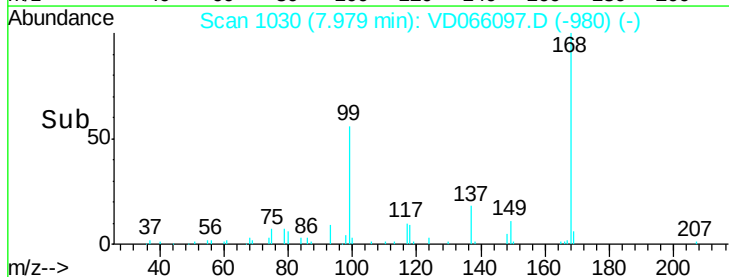
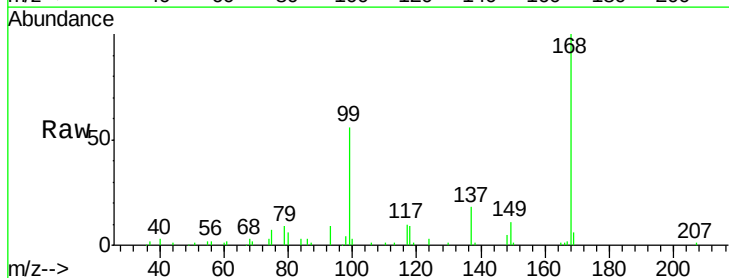
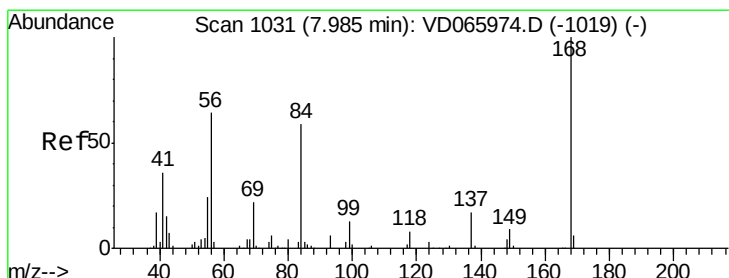
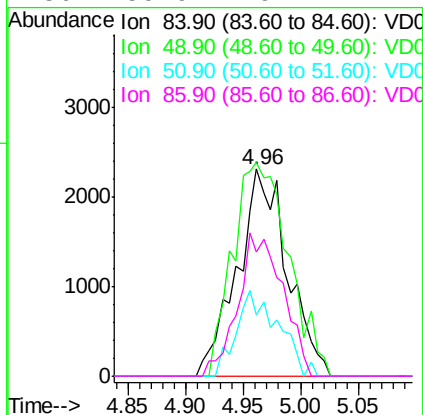




#20
Methylene Chloride
Concen: 6.480 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

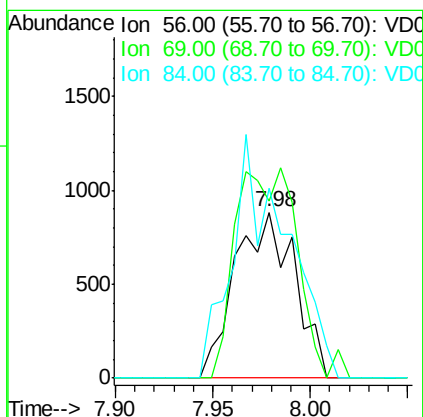
Instrument :
MSVOA_D
ClientSampleId :

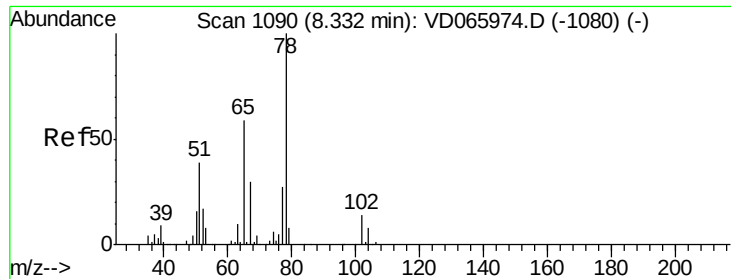
Tot Ion:	84	Resp:	6996
Ion	Ratio	Lower	Upper
84	100		
49	103.2	97.7	146.5
51	29.4	27.4	41.2
86	59.9	49.4	74.2



#31
Cyclohexane
Concen: 1.497 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Tgt Ion:	56	Resp:	1857
Ion	Ratio	Lower	Upper
56	100		
69	107.3	28.0	42.0#
84	114.9	72.6	109.0#

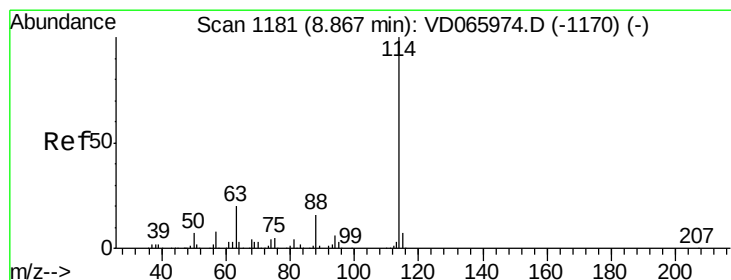
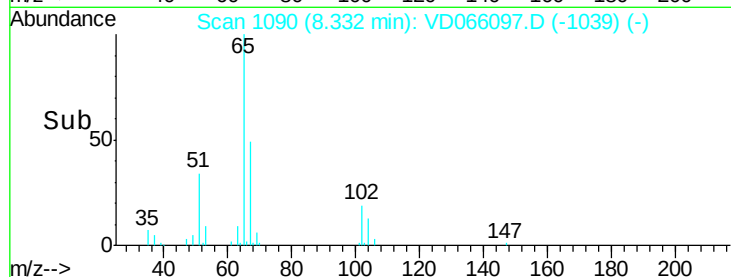
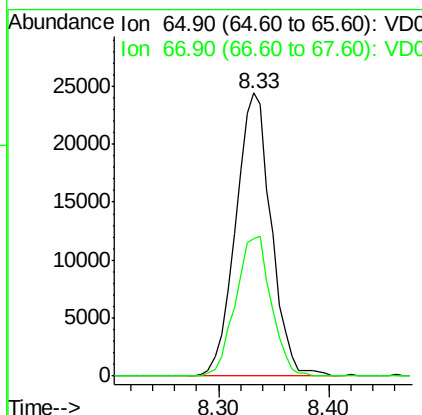
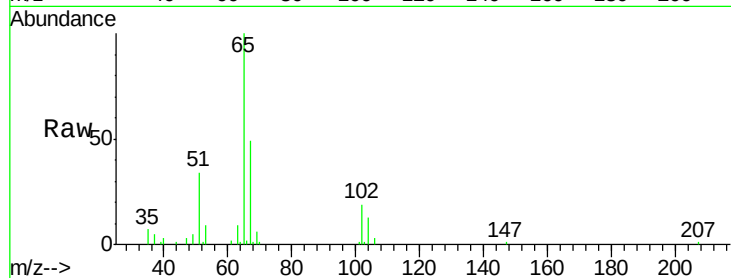




#33
 1,2-Dichloroethane-d4
 Concen: 79.794 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

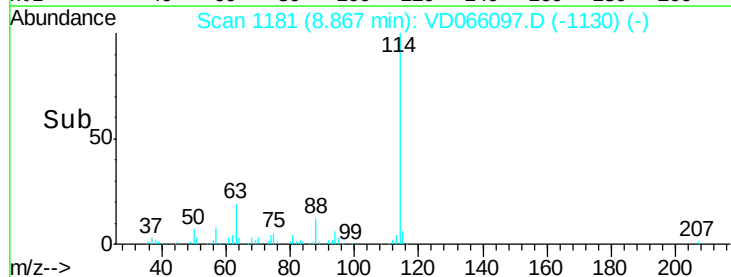
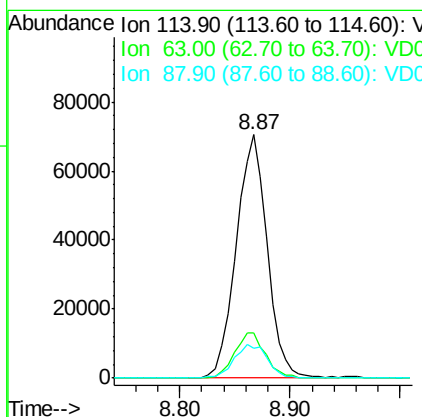
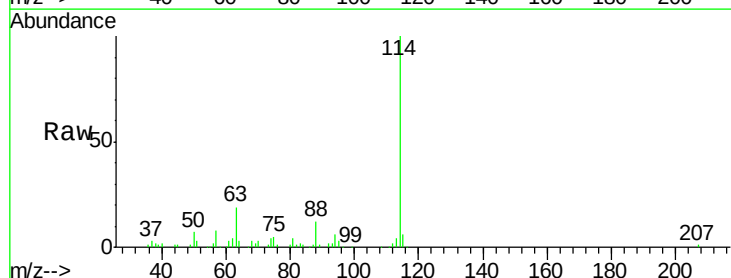
Instrument :
 MSVOA_D
 ClientSampled :

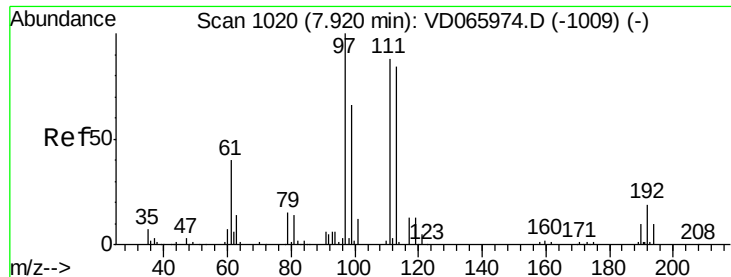
Tot Ion: 65 Resp: 55045
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

Tgt Ion: 114 Resp: 139000
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 12.2 0.0 31.2

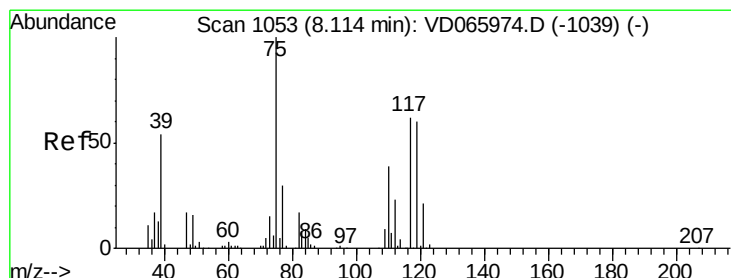
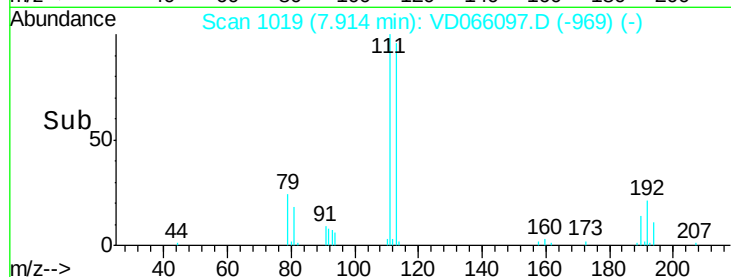
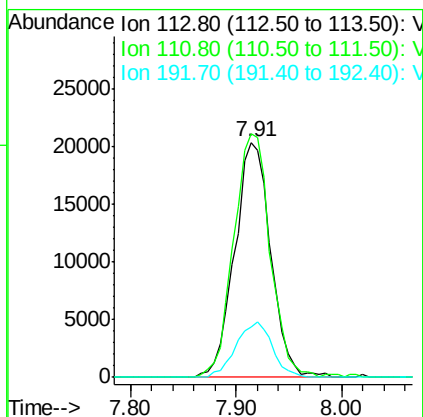
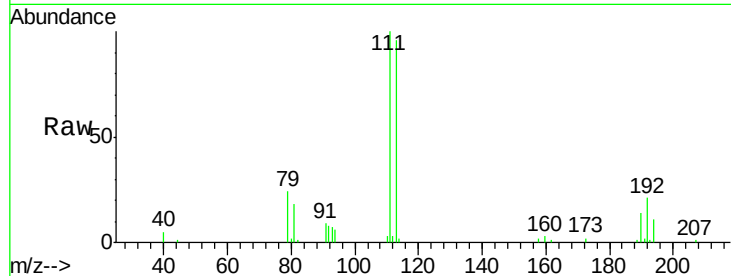




#35
 Dibromofluoromethane
 Concen: 57.151 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

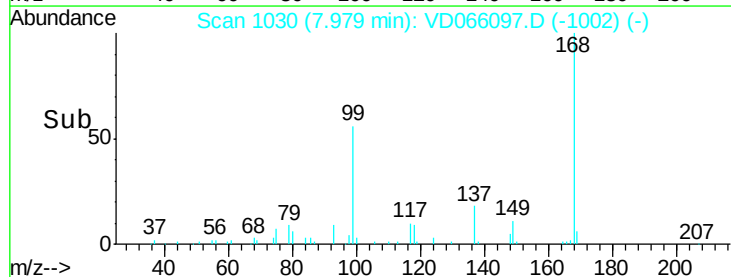
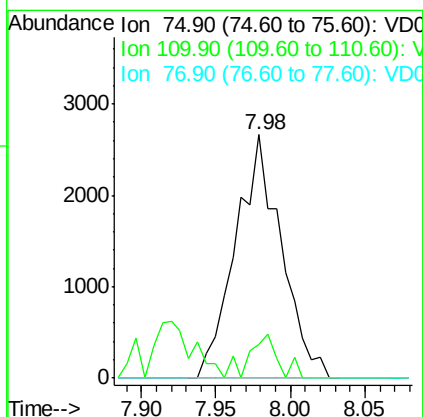
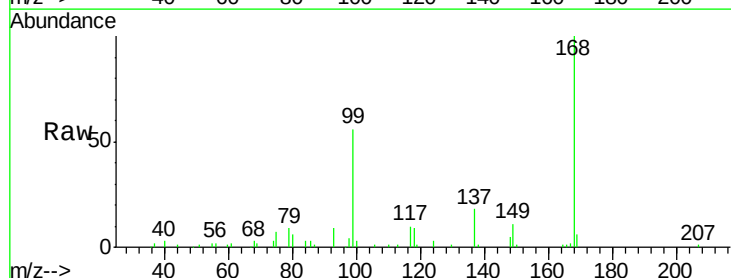
Instrument :
 MSVOA_D
 ClientSampleId :

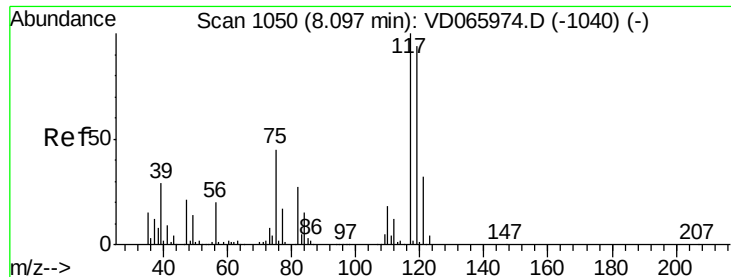
Tot Ion:113 Resp: 48183
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.2 124.8
 192 23.7 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066097.D
 Acq: 29 Jul 2020 18:49

Tgt Ion: 75 Resp: 5665
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.5 58.5#
 77 0.0 24.7 37.1#

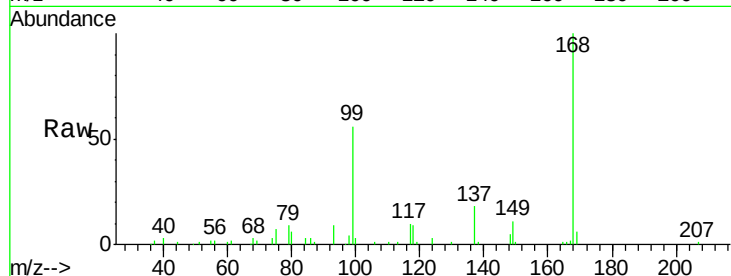




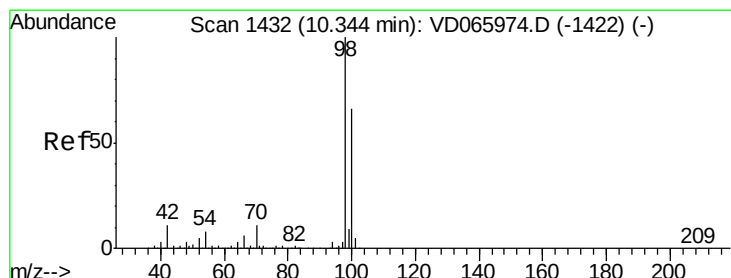
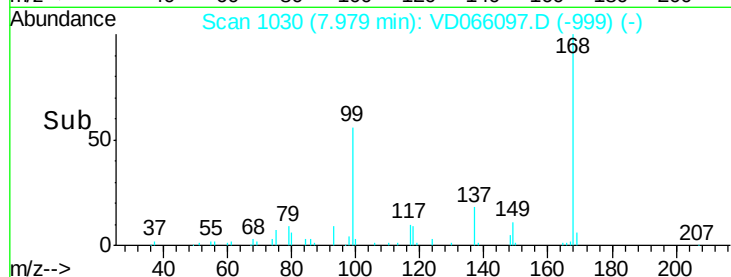
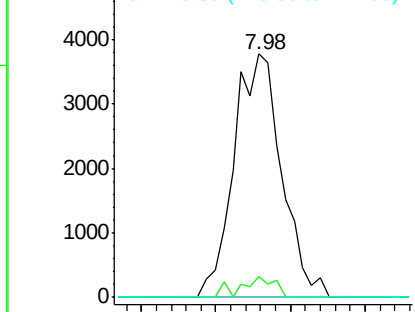
#38
Carbon Tetrachloride
Concen: 6.531 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 8406
Ion Ratio Lower Upper
117 100
119 8.6 75.0 112.6#
121 0.0 25.5 38.3#

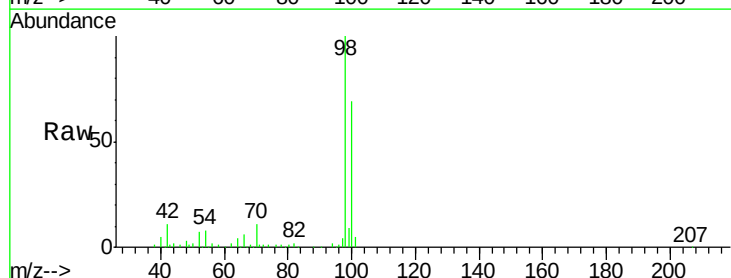


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

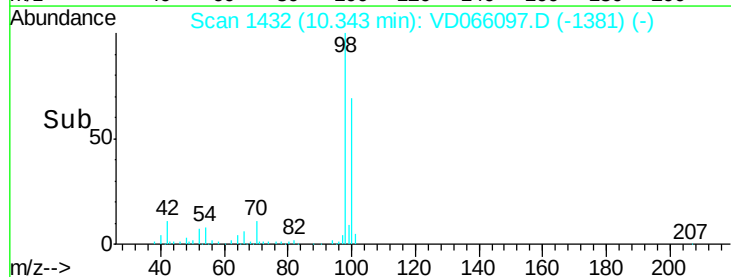
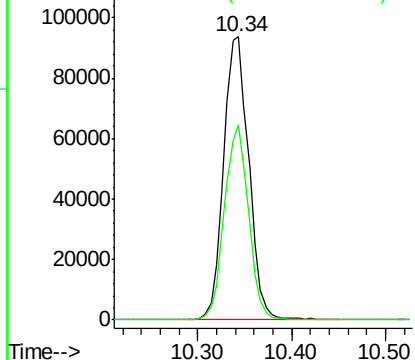


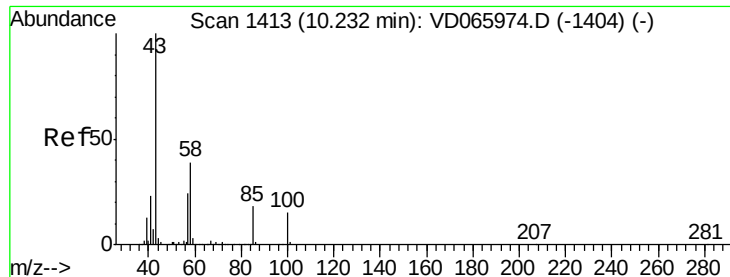
#50
Toluene-d8
Concen: 55.548 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Tgt Ion: 98 Resp: 174459
Ion Ratio Lower Upper
98 100
100 65.9 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: 1.729 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066097.D

Acq: 29 Jul 2020 18:49

Instrument :

MSVOA_D

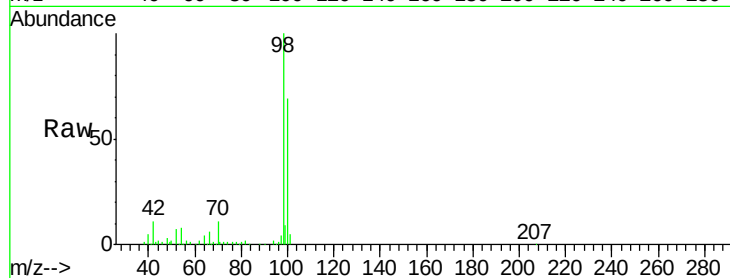
ClientSampled :

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 175.2 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

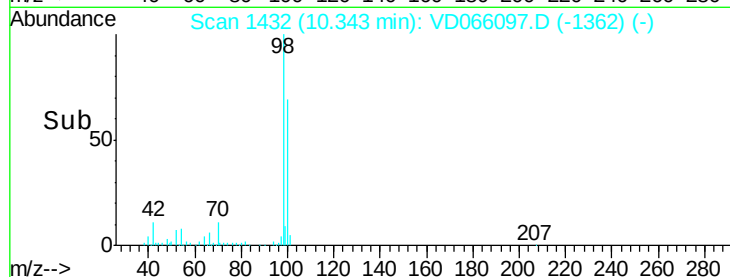
600

400

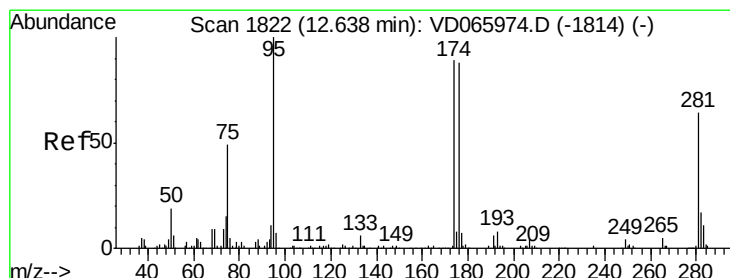
200

0

10.30 10.35



Time-->



#62

4-Bromofluorobenzene

Concen: 69.286 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066097.D

Acq: 29 Jul 2020 18:49

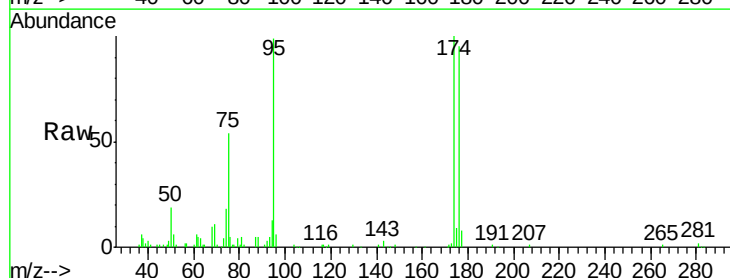
Tgt Ion: 95 Resp: 75452

Ion Ratio Lower Upper

95 100

174 96.5 0.0 178.8

176 94.0 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

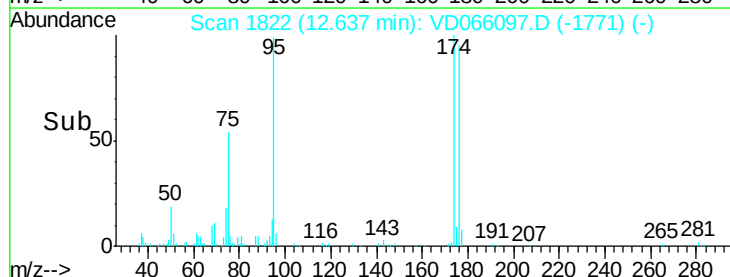
30000

20000

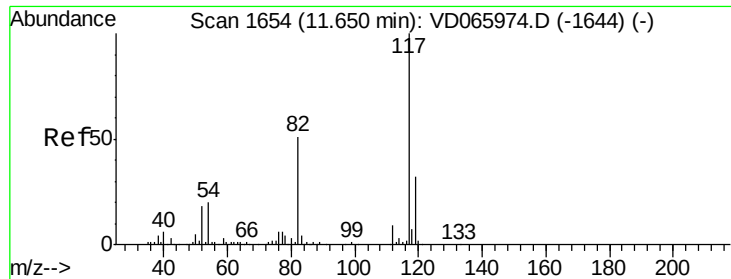
10000

0

12.55 12.60 12.65 12.70



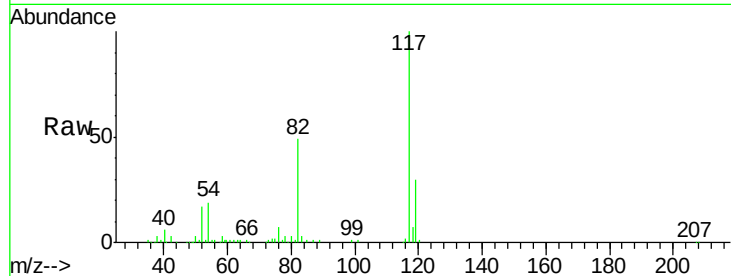
Time-->



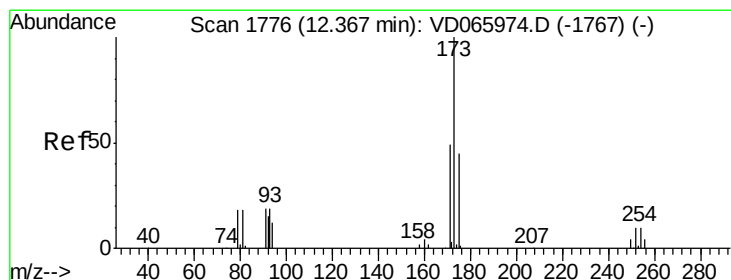
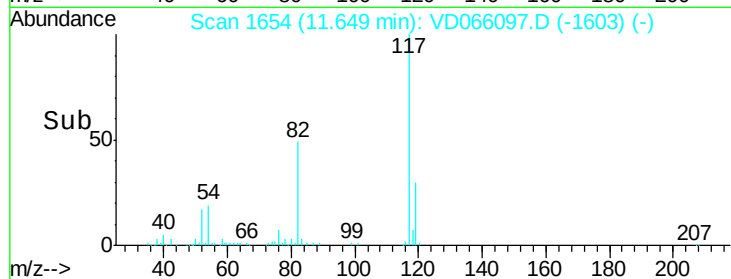
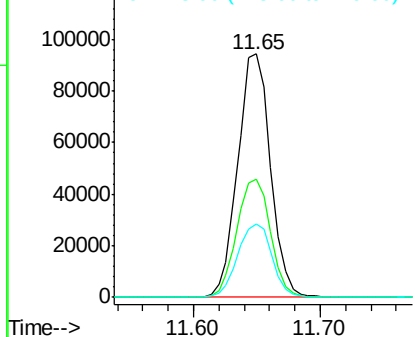
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 169085
Ion Ratio Lower Upper
117 100
82 48.7 41.1 61.7
119 30.2 25.9 38.9

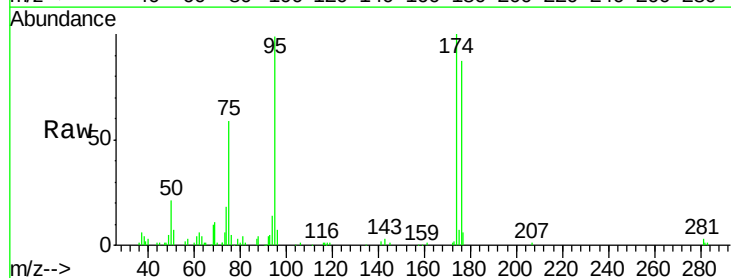


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

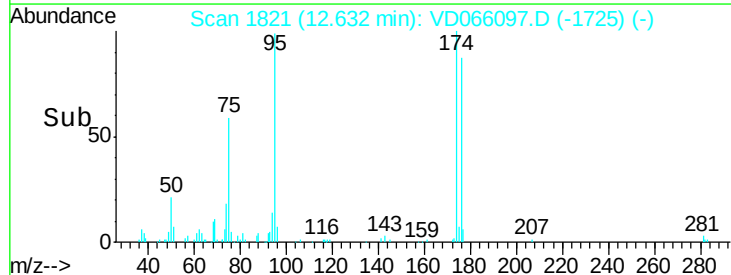
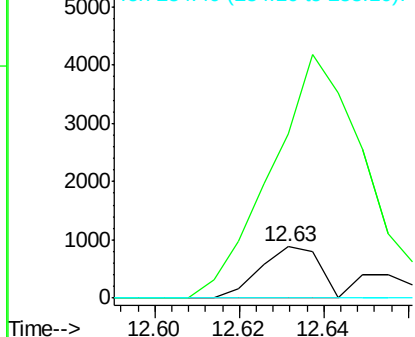


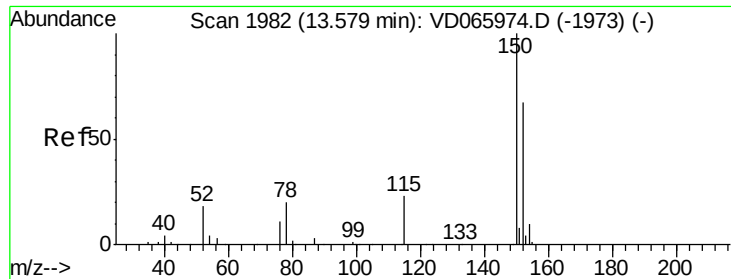
#71
Bromoform
Concen: 1.281 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Tgt Ion:173 Resp: 858
Ion Ratio Lower Upper
173 100
175 566.1 24.1 72.3#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066097.D

Acq: 29 Jul 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

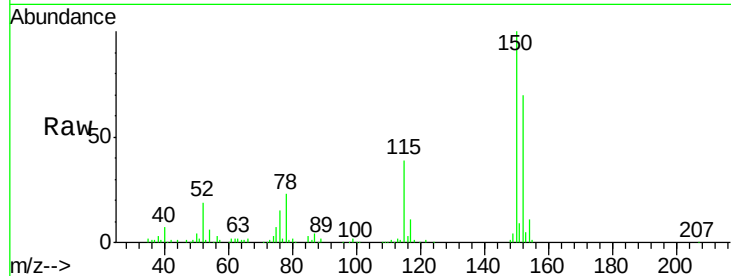
Tot Ion:152 Resp: 94413

Ion Ratio Lower Upper

152 100

115 55.2 27.9 83.7

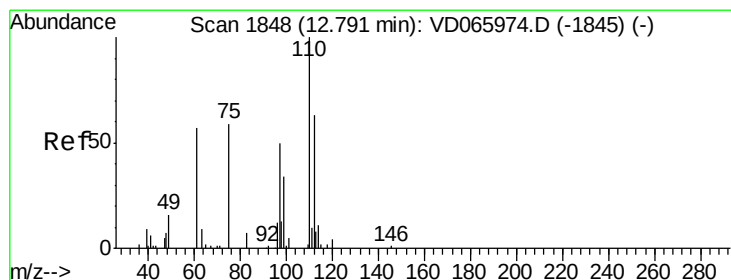
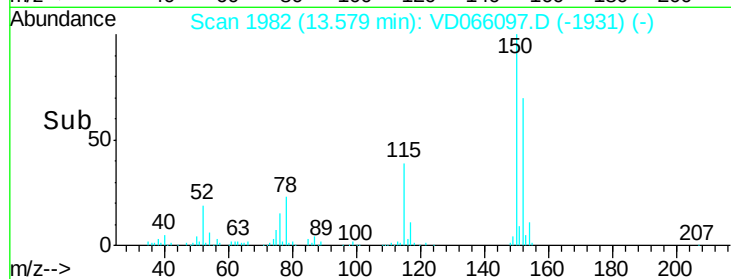
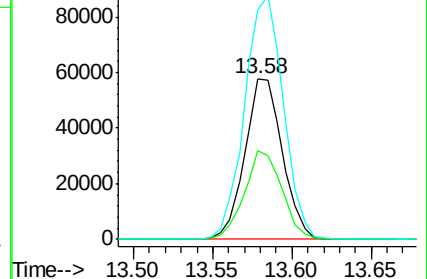
150 157.2 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 56.780 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066097.D

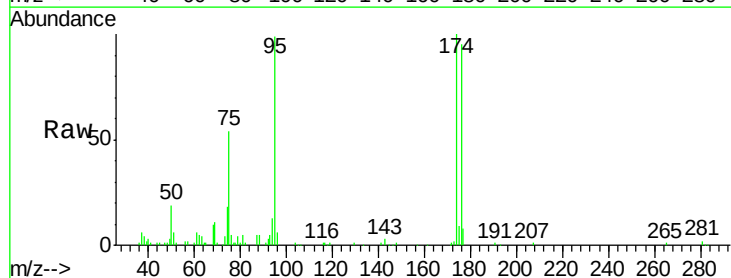
Acq: 29 Jul 2020 18:49

Tgt Ion: 75 Resp: 40364

Ion Ratio Lower Upper

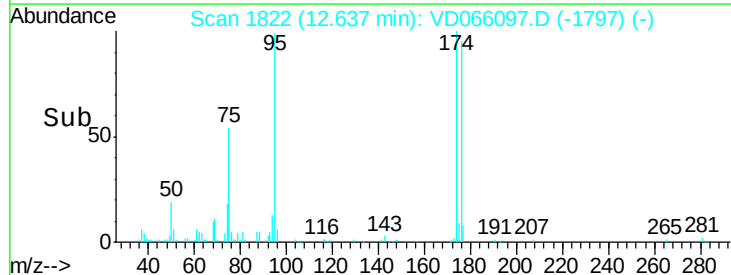
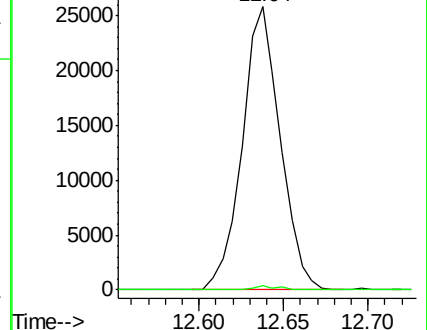
75 100

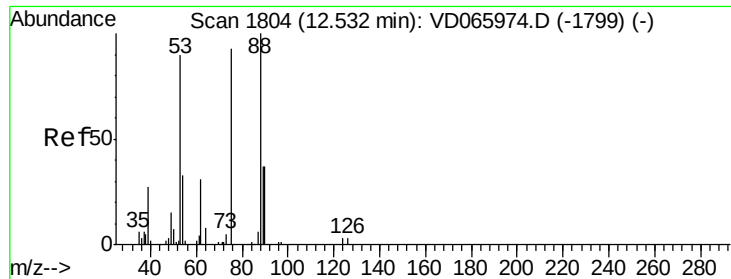
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

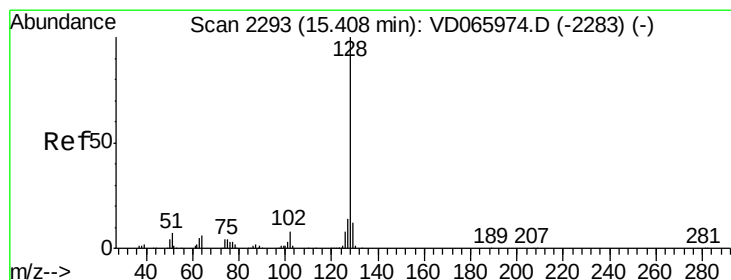
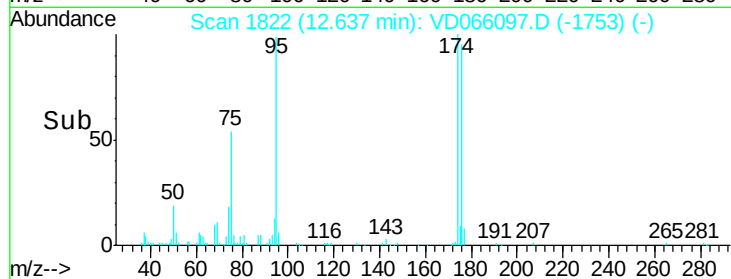
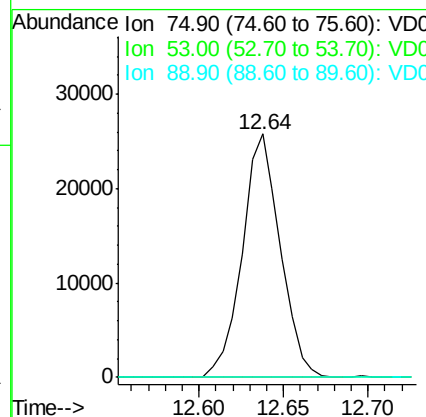
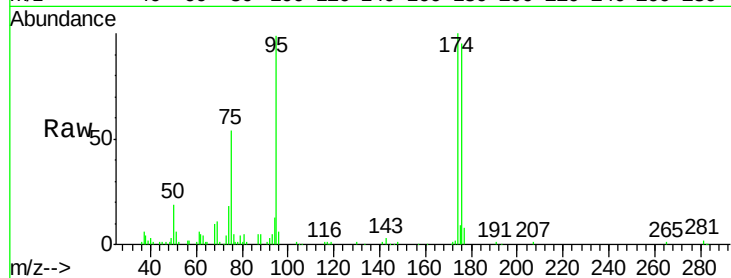




#81
trans-1,4-Dichloro-2-butene
Concen: 130.291 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 40364
Ion Ratio Lower Upper
75 100
53 0.0 76.8 115.2#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.566 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066097.D
Acq: 29 Jul 2020 18:49

Tgt Ion:128 Resp: 60
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.9 13.3#

