

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066094.D
 Acq On : 29 Jul 2020 17:27
 Operator : VA/SY
 Sample : L3489-10
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:32:35 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	22534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	34846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	41831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	23835	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	15268	83.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	166.54%	
35) Dibromofluoromethane	7.91	113	12548	59.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.74%	
50) Toluene-d8	10.34	98	41158	52.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	18398	67.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.78%	

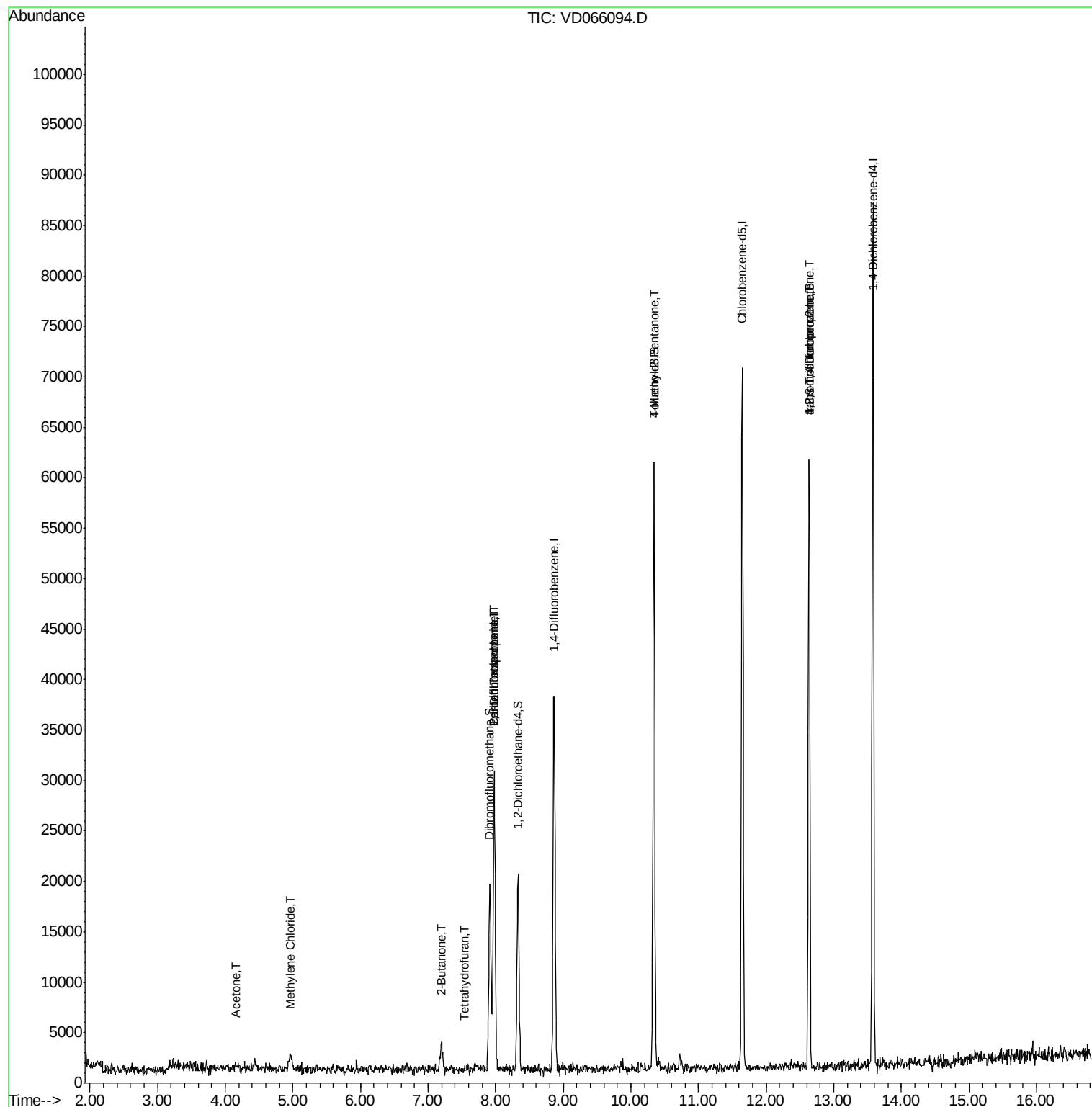
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	65	Below Cal	#	83
16) Acetone	4.17	43	367	9.888	ug/l #	67
20) Methylene Chloride	4.95	84	1164	2.878	ug/l #	49
25) 2-Butanone	7.20	43	54	1.097	ug/l #	50
29) Tetrahydrofuran	7.54	42	86	2.830	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	1554	5.225	ug/l #	39
38) Carbon Tetrachloride	7.98	117	2137	6.623	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	246	2.201	ug/l #	7
76) 1,2,3-Trichloropropane	12.64	75	10173	56.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	10173	130.073	ug/l #	11

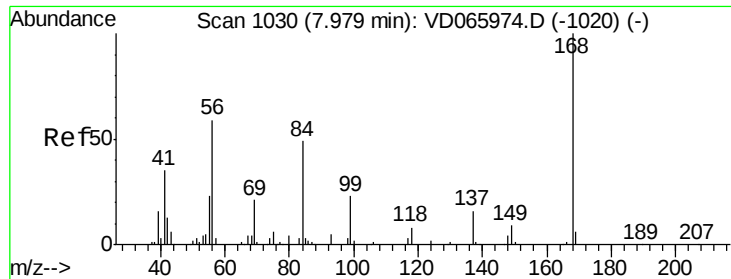
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066094.D
Acq On : 29 Jul 2020 17:27
Operator : VA/SY
Sample : L3489-10
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 30 01:32:35 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: VD066094.D

Acq: 29 Jul 2020 17:27

Instrument :

MSVOA_D

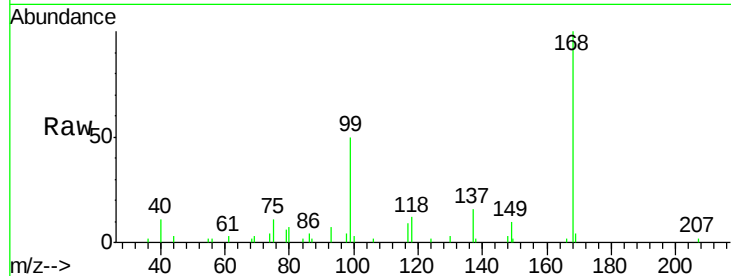
ClientSampleId :

Tot Ion:168 Resp: 22534

Ion Ratio Lower Upper

168 100

99 49.6 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

12000

10000

8000

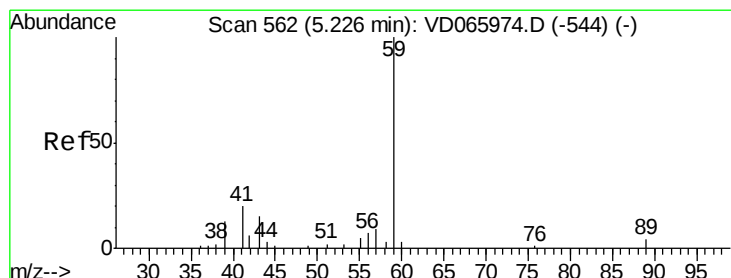
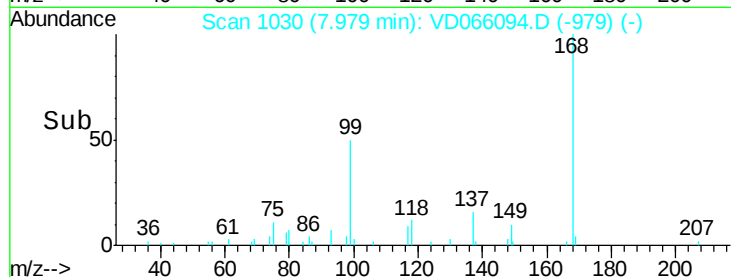
6000

4000

2000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD066094.D

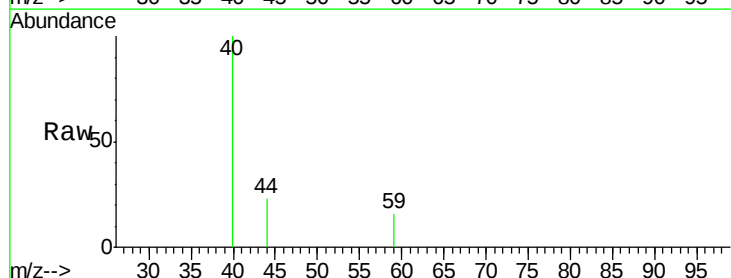
Acq: 29 Jul 2020 17:27

Tgt Ion: 59 Resp: 65

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

200

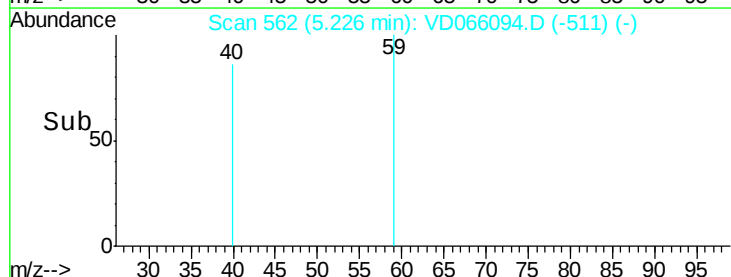
150

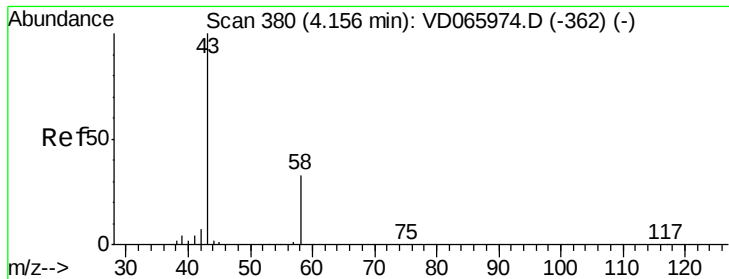
100

50

0

Time-->





#16

Acetone

Concen: 9.888 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

Instrument :

MSVOA_D

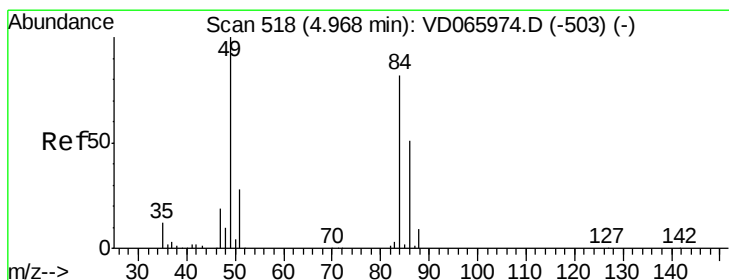
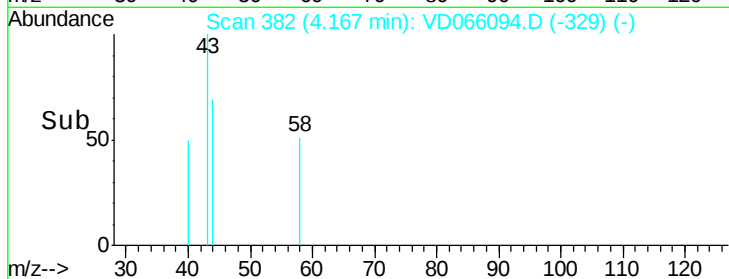
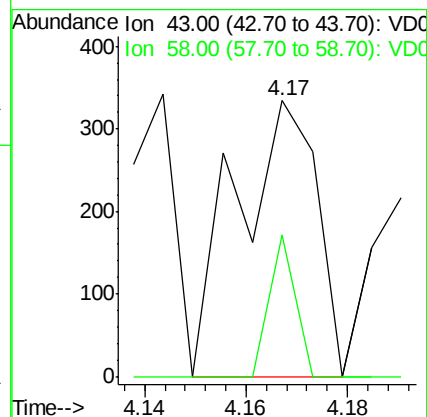
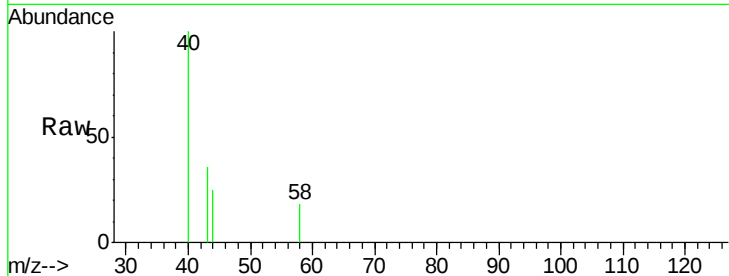
ClientSampleId :

Tot Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

58 51.5 26.3 39.5#



#20

Methylene Chloride

Concen: 2.878 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

Tgt Ion: 84 Resp: 1164

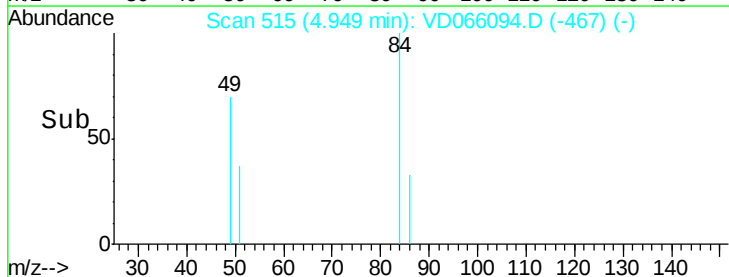
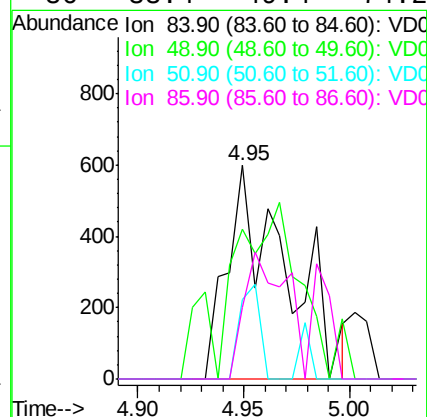
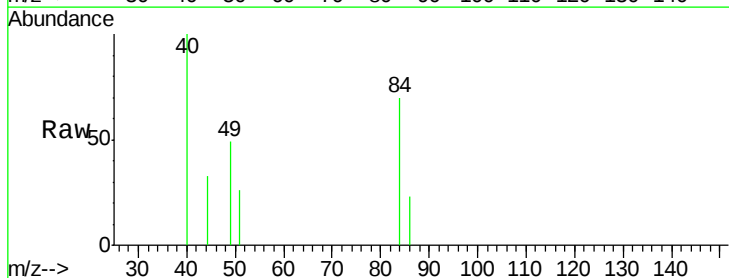
Ion Ratio Lower Upper

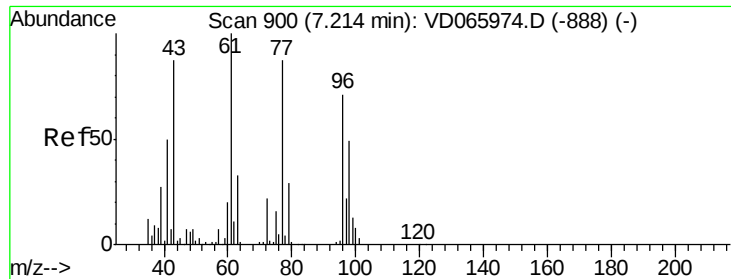
84 100

49 42.1 97.7 146.5#

51 37.1 27.4 41.2

86 33.4 49.4 74.2#





#25

2-Butanone

Concen: 1.097 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

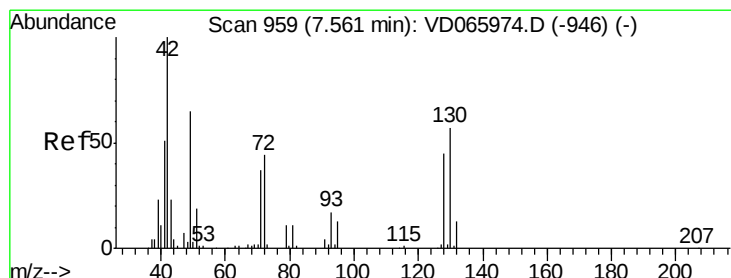
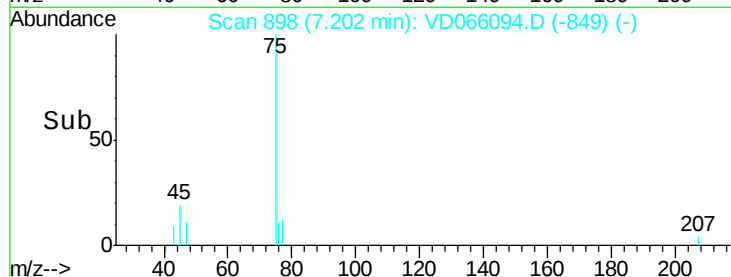
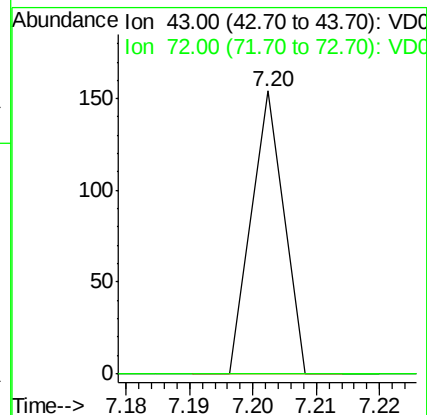
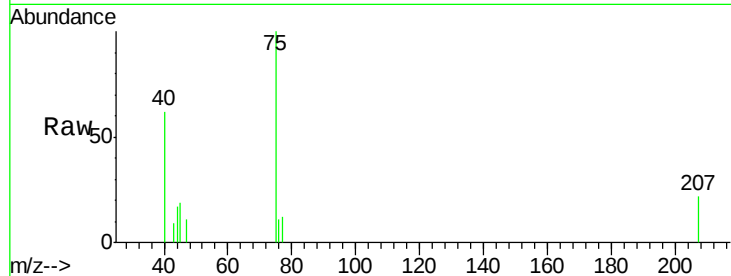
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#29

Tetrahydrofuran

Concen: 2.830 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.02 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

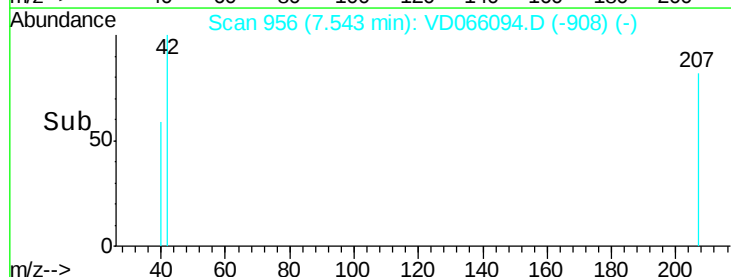
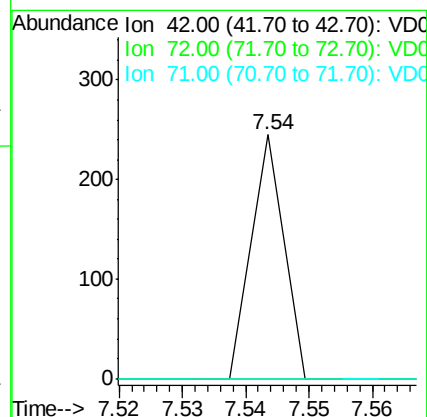
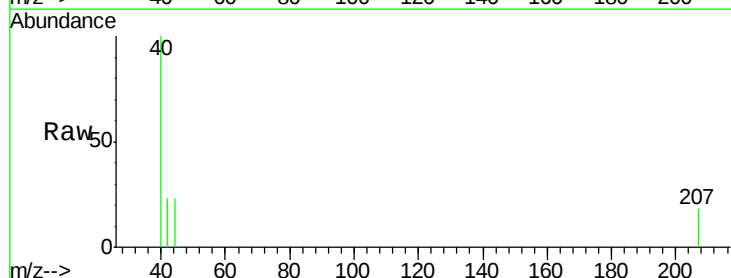
Tgt Ion: 42 Resp: 86

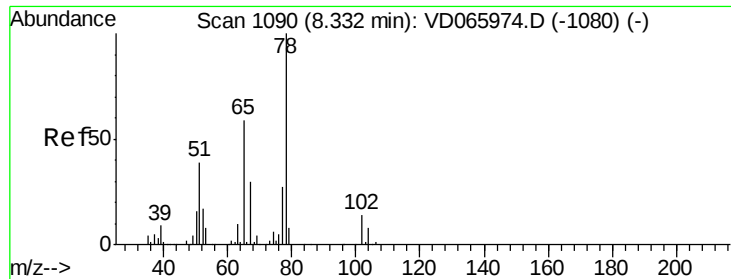
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 31.4 47.2#

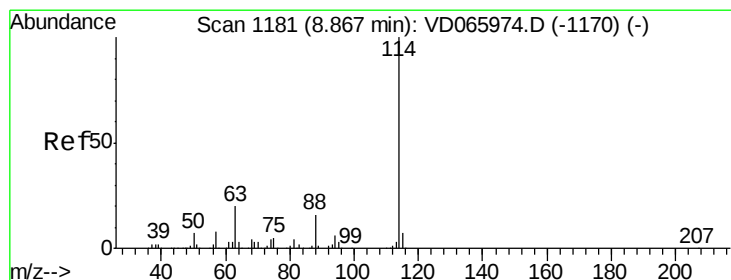
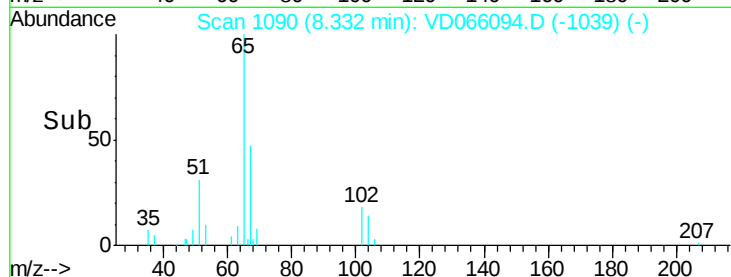
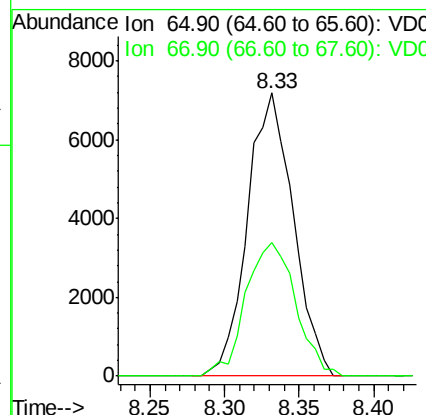
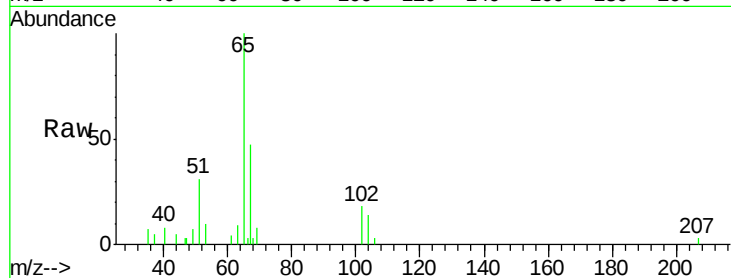




#33
 1,2-Dichloroethane-d4
 Concen: 83.269 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066094.D
 Acq: 29 Jul 2020 17:27

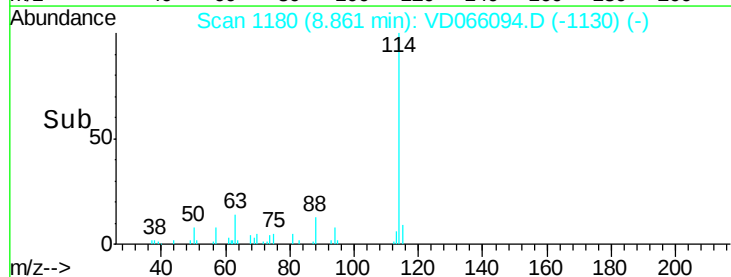
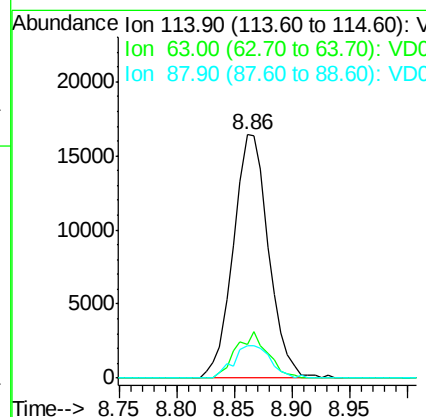
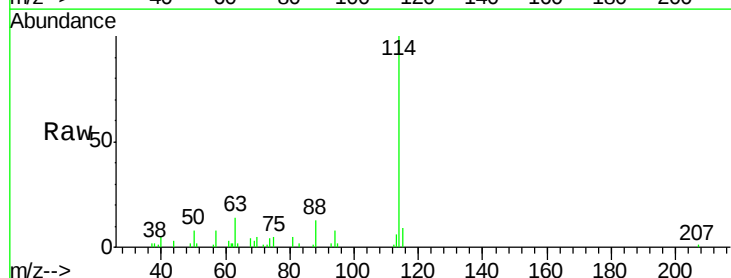
Instrument :
 MSVOA_D
 ClientSampleId :

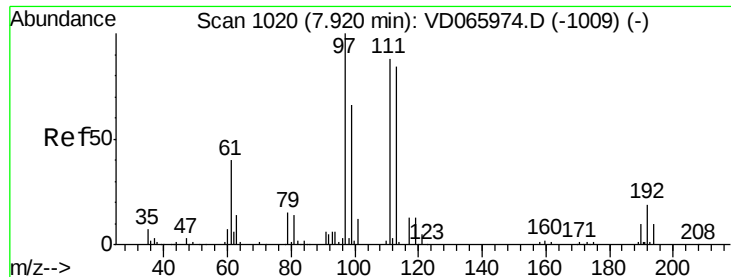
Tot Ion: 65 Resp: 15268
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066094.D
 Acq: 29 Jul 2020 17:27

Tgt Ion: 114 Resp: 34846
 Ion Ratio Lower Upper
 114 100
 63 13.9 0.0 39.6
 88 13.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 59.370 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

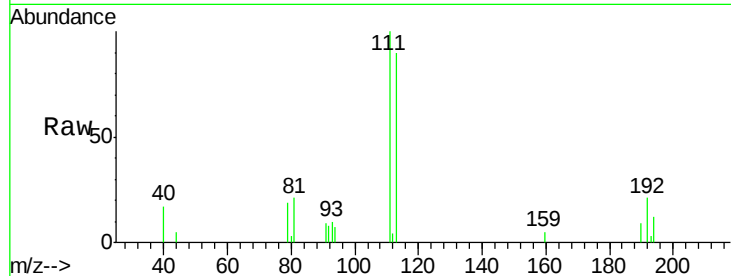
Tot Ion:113 Resp: 12548

Ion Ratio Lower Upper

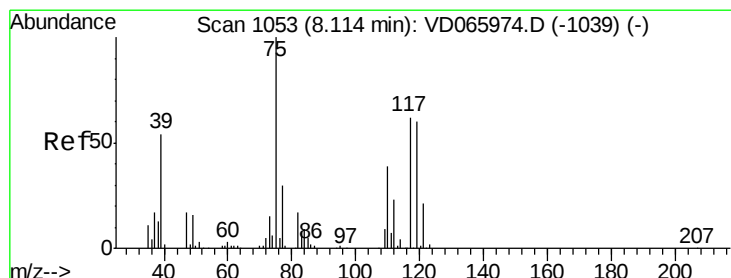
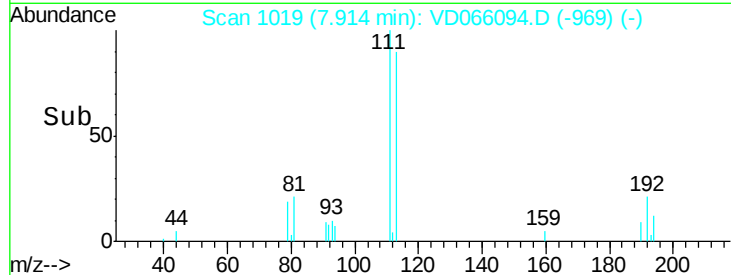
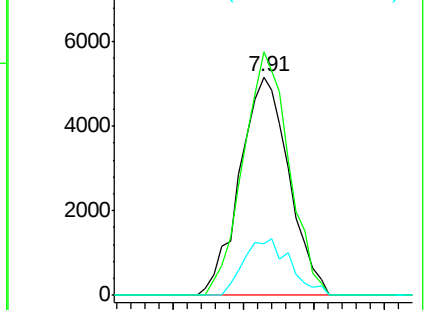
113 100

111 104.2 83.2 124.8

192 24.6 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: 5.225 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

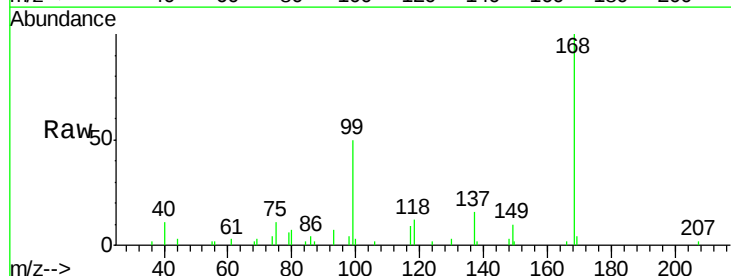
Tgt Ion: 75 Resp: 1554

Ion Ratio Lower Upper

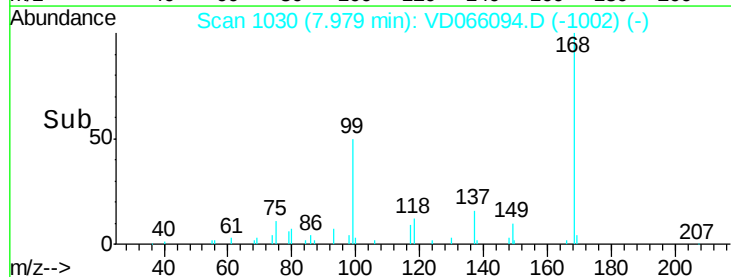
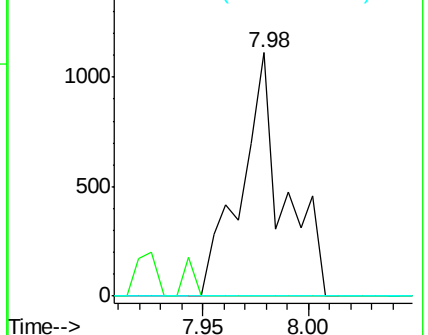
75 100

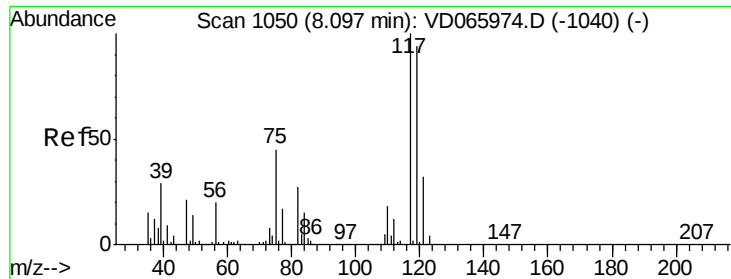
110 0.0 19.5 58.5#

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

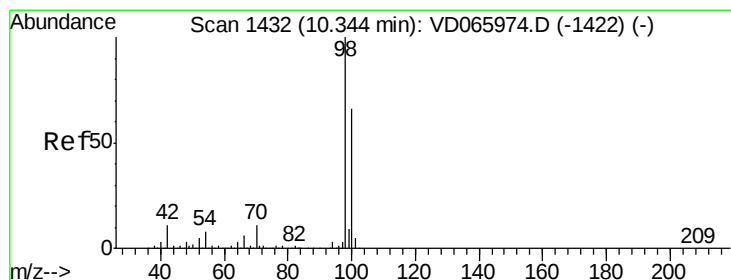
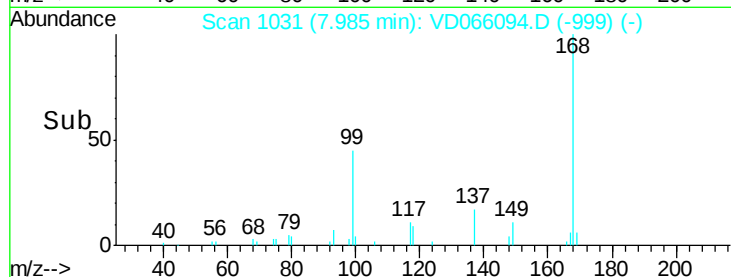
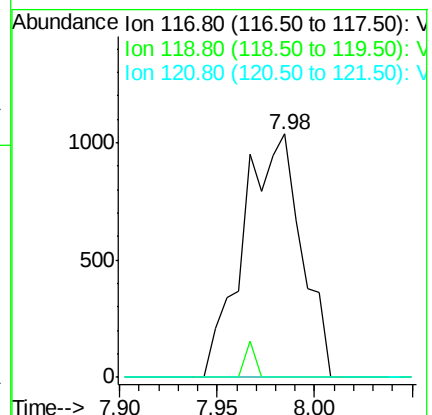
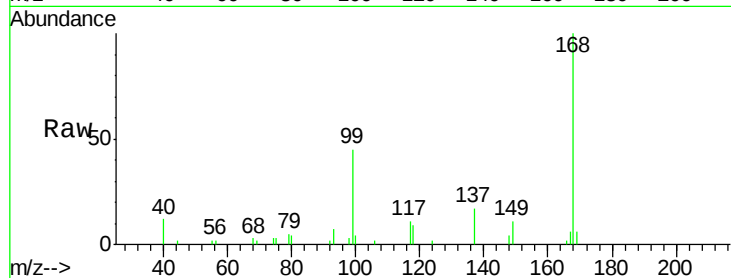




#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066094.D
Acq: 29 Jul 2020 17:27

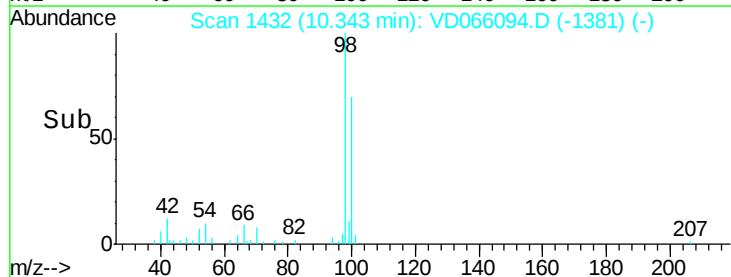
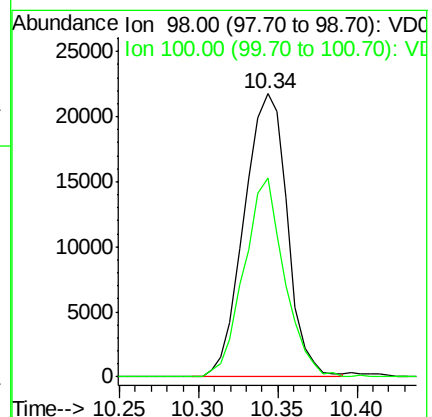
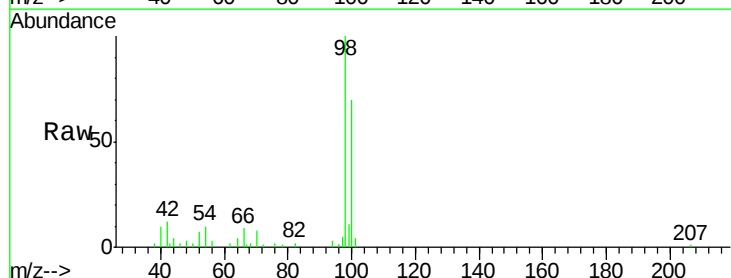
Instrument :
MSVOA_D
ClientSampleId :

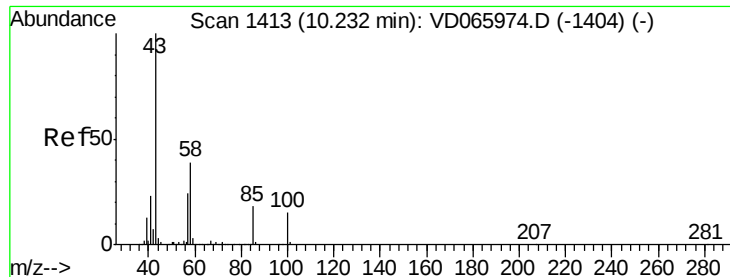
Tot Ion:117 Resp: 2137
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066094.D
Acq: 29 Jul 2020 17:27

Tgt Ion: 98 Resp: 41158
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 2.201 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

Instrument :

MSVOA_D

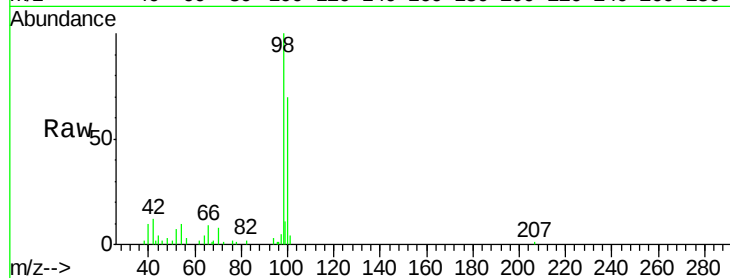
ClientSampleId :

Tot Ion: 43 Resp: 246

Ion Ratio Lower Upper

43 100

58 95.9 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.34

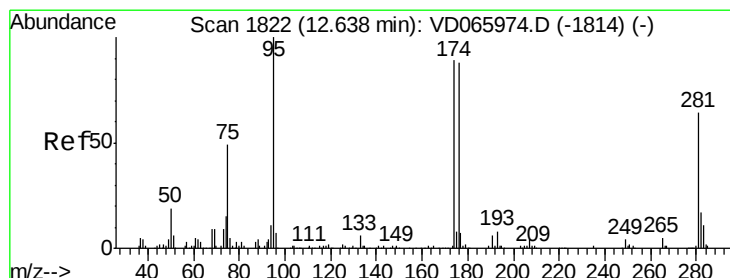
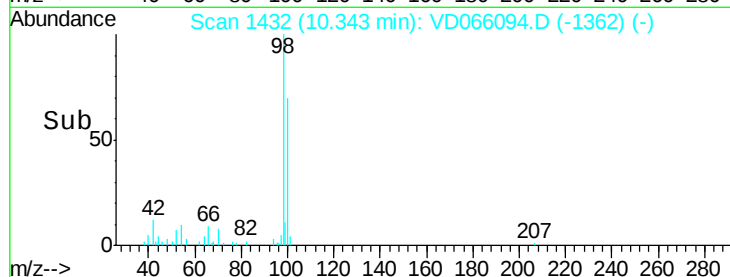
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 67.392 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

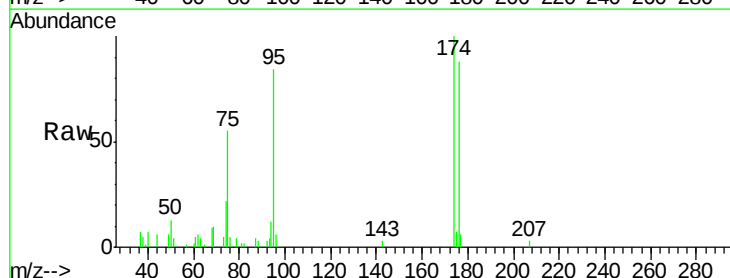
Tgt Ion: 95 Resp: 18398

Ion Ratio Lower Upper

95 100

174 104.3 0.0 178.8

176 97.1 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

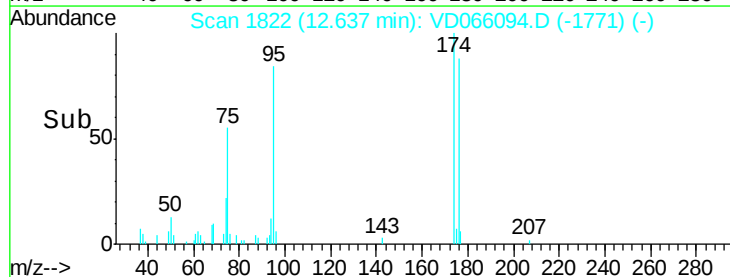
15000

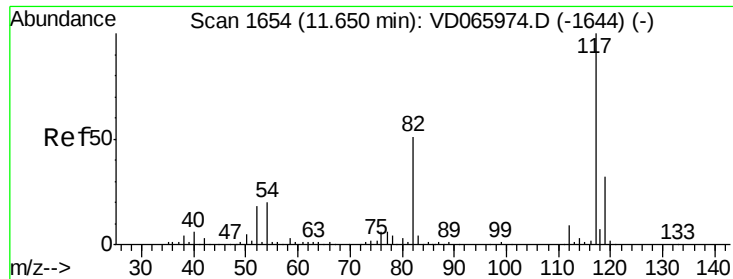
10000

5000

0

Time-->

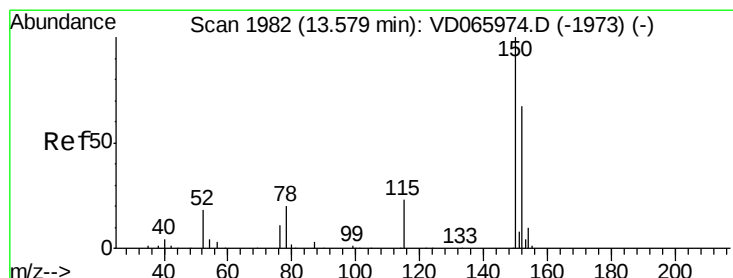
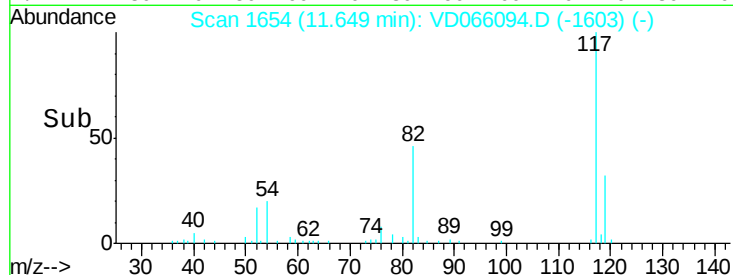
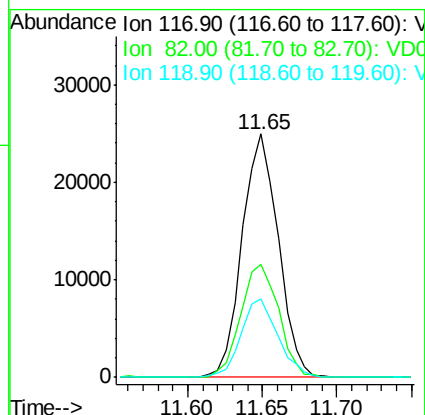
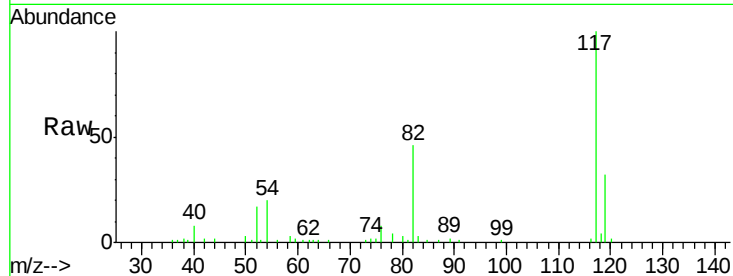




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066094.D
Acq: 29 Jul 2020 17:27

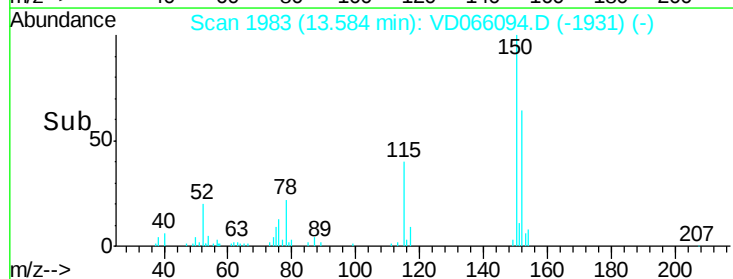
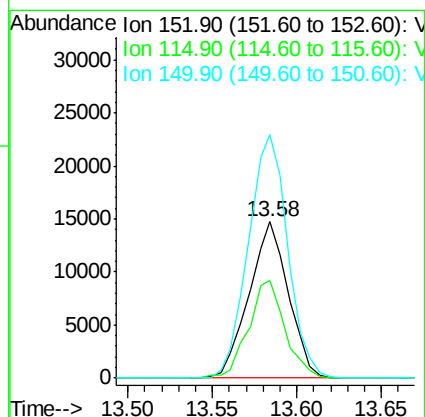
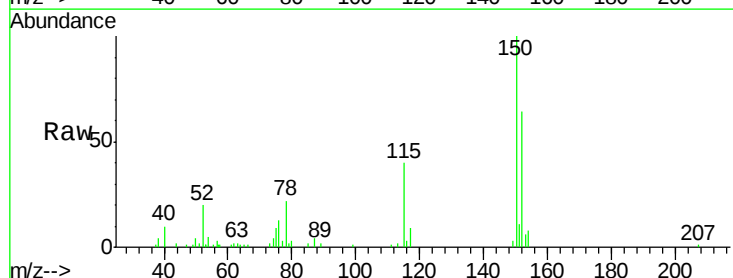
Instrument :
MSVOA_D
ClientSampleId :

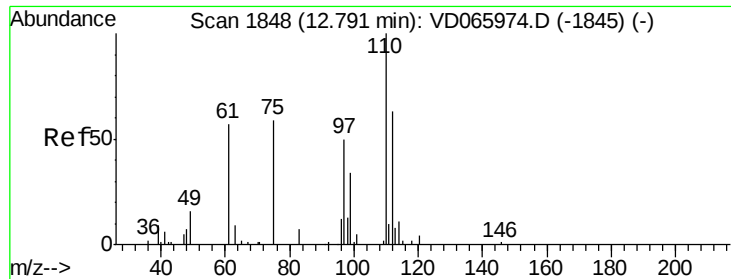
Tot Ion:117 Resp: 41831
Ion Ratio Lower Upper
117 100
82 46.2 41.1 61.7
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066094.D
Acq: 29 Jul 2020 17:27

Tgt Ion:152 Resp: 23835
Ion Ratio Lower Upper
152 100
115 58.0 27.9 83.7
150 155.7 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.685 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

Instrument :

MSVOA_D

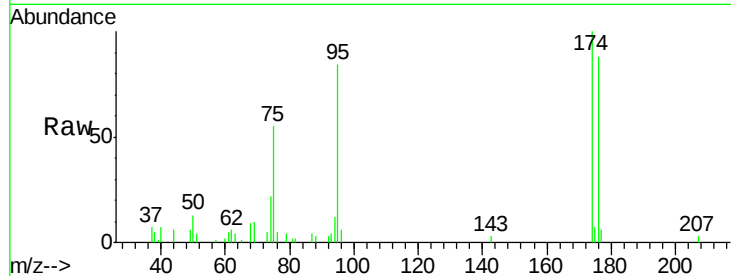
ClientSampled :

Tot Ion: 75 Resp: 10173

Ion Ratio Lower Upper

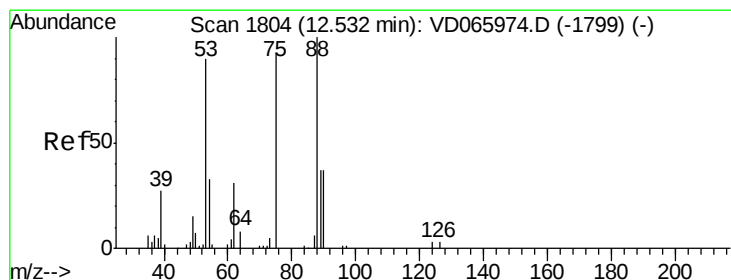
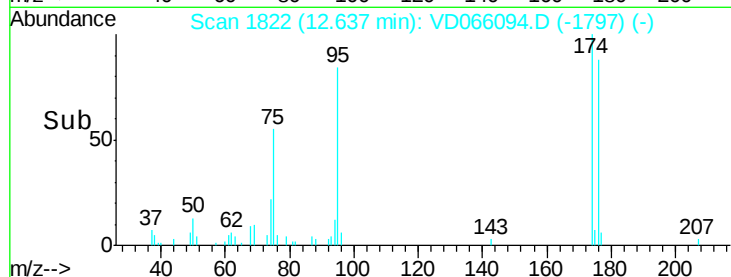
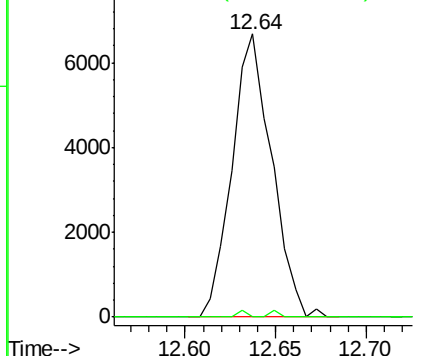
75 100

77 0.5 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: 130.073 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066094.D

Acq: 29 Jul 2020 17:27

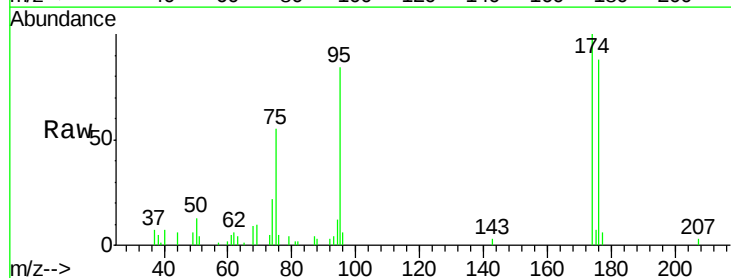
Tgt Ion: 75 Resp: 10173

Ion Ratio Lower Upper

75 100

53 0.0 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

