

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066083.D
 Acq On : 29 Jul 2020 10:27
 Operator : VA/SY
 Sample : VD0729SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:26:24 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	261763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	412704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248965	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	116164	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	7.91	113	125885	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.34	98	500577	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.64	95	209082	64.66	ug/l	0.00
Spiked Amount			Recovery	=	129.32%	

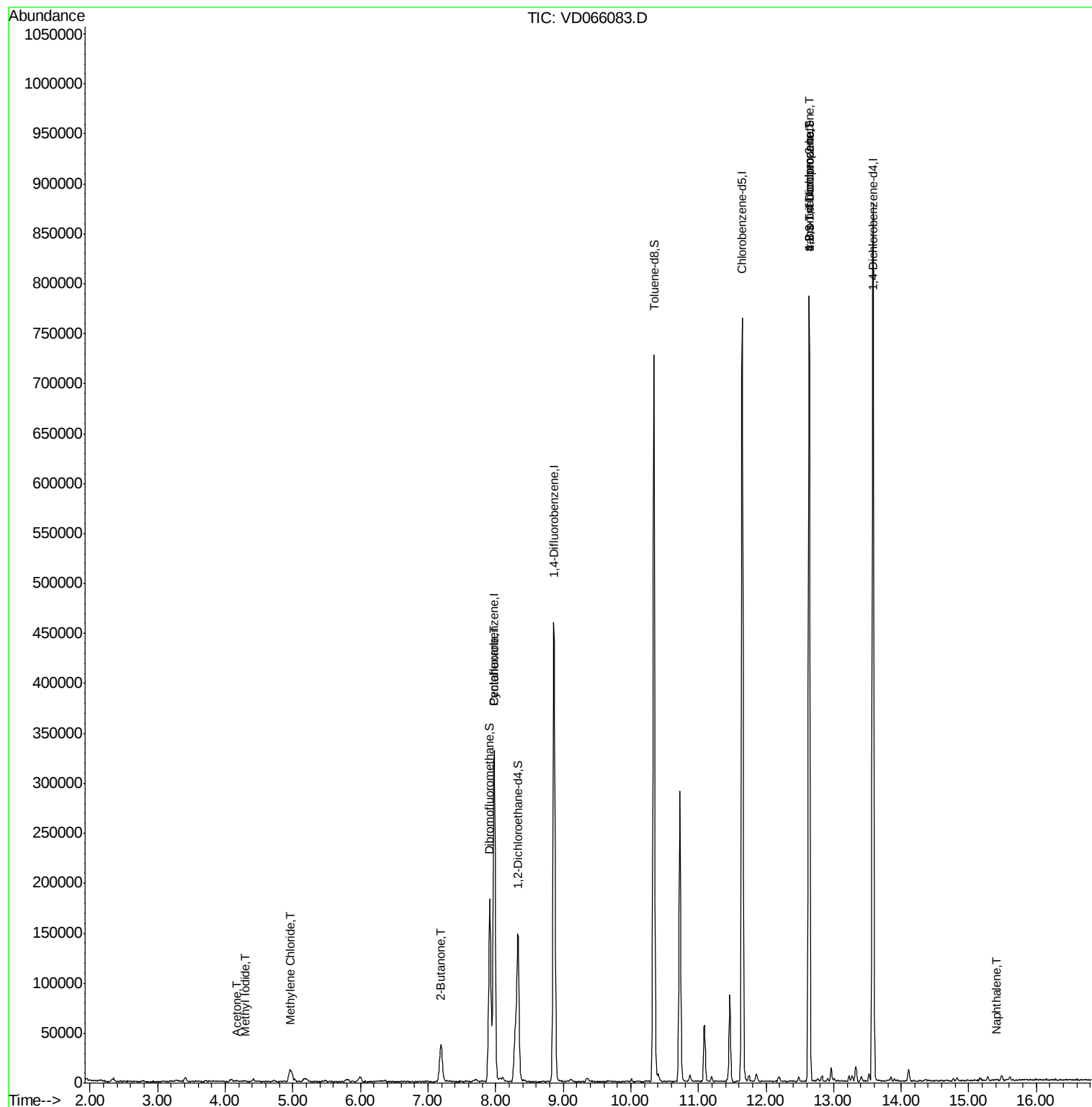
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	206	Below Cal	#	25
10) Methyl Iodide	4.29	142	444	8.972	ug/l #	62
11) Tert butyl alcohol	5.26	59	99	Below Cal	#	83
16) Acetone	4.17	43	1432	3.322	ug/l #	50
20) Methylene Chloride	4.96	84	9871	1.250	ug/l	89
25) 2-Butanone	7.20	43	1552	2.713	ug/l	97
31) Cyclohexane	7.98	56	6159	1.608	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	109366	58.342	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109366	133.874	ug/l #	11
95) Naphthalene	15.41	128	2115	3.796	ug/l #	74

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066083.D
Acq On : 29 Jul 2020 10:27
Operator : VA/SY
Sample : VD0729SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 30 01:26:24 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: VD066083.D

Acq: 29 Jul 2020 10:27

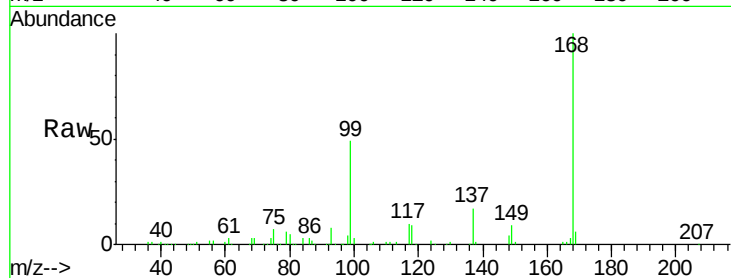
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 261763

Ion Ratio Lower Upper

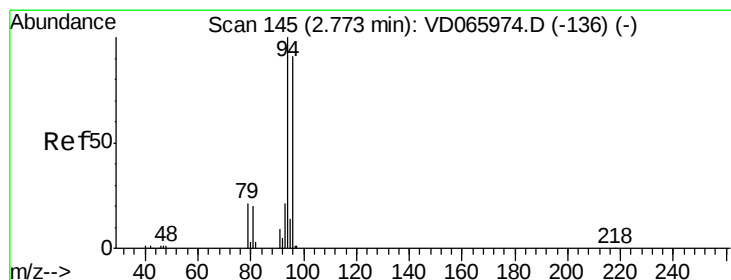
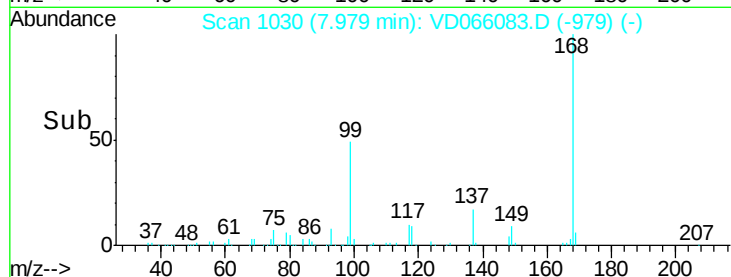
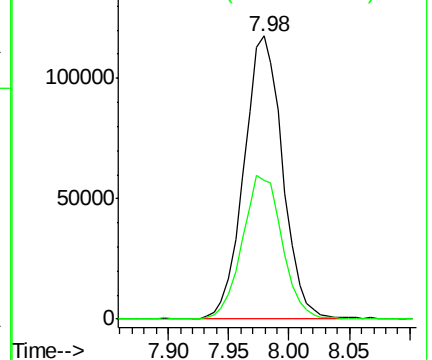
168 100

99 48.6 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: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066083.D

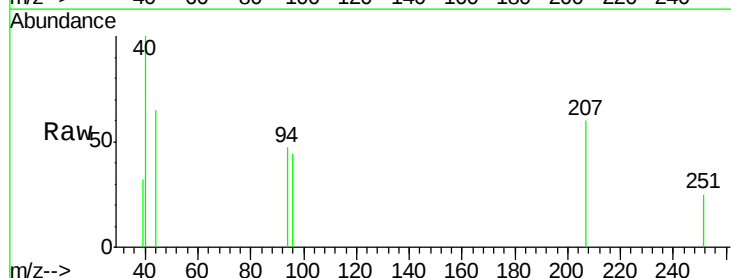
Acq: 29 Jul 2020 10:27

Tgt Ion: 94 Resp: 206

Ion Ratio Lower Upper

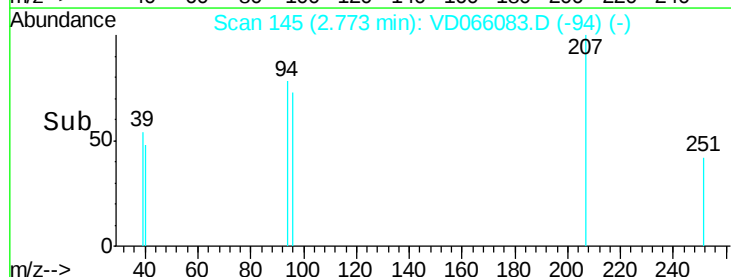
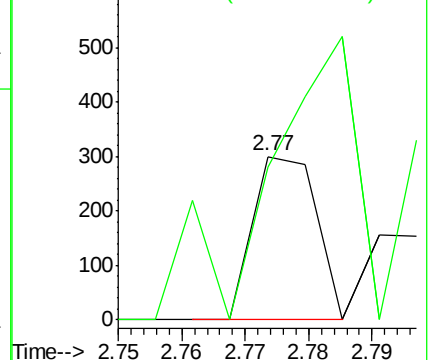
94 100

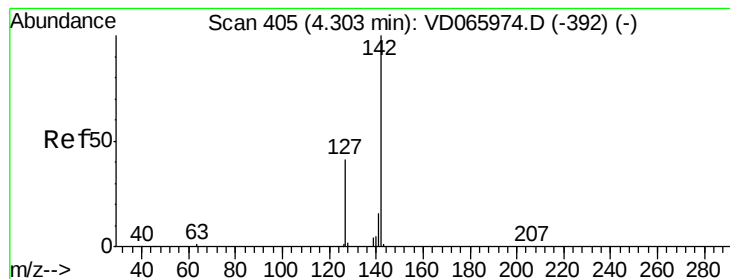
96 20.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#10

Methyl Iodide

Concen: 8.972 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.02 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

Instrument :
MSVOA_D
ClientSampled :

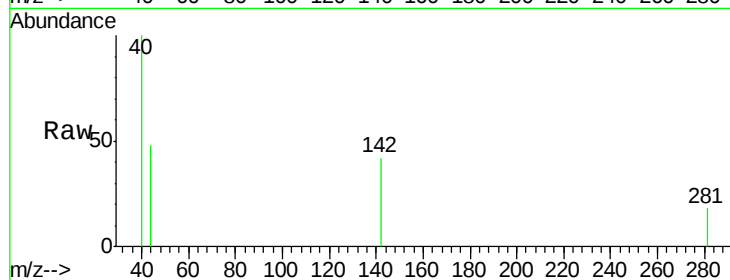
Tot Ion: 142 Resp: 444

Ion Ratio Lower Upper

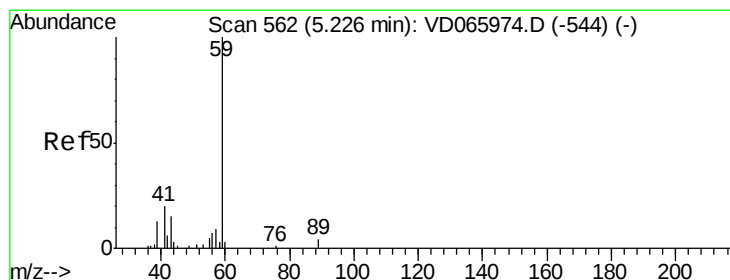
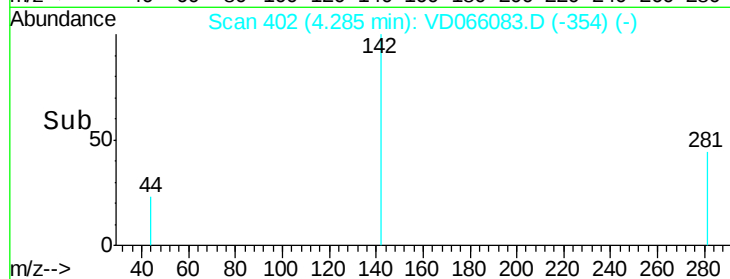
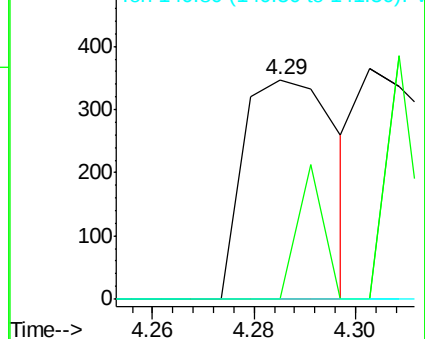
142 100

127 16.9 32.9 49.3#

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 567

Delta R.T. 0.03 min

Lab File: VD066083.D

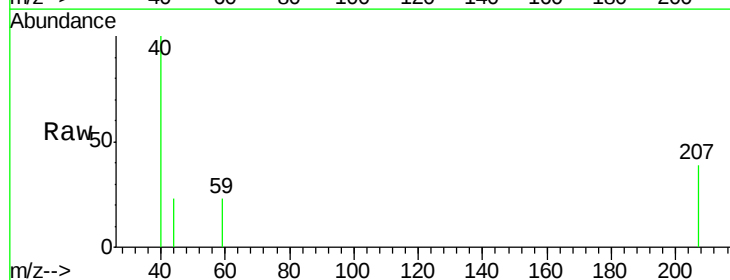
Acq: 29 Jul 2020 10:27

Tgt Ion: 59 Resp: 99

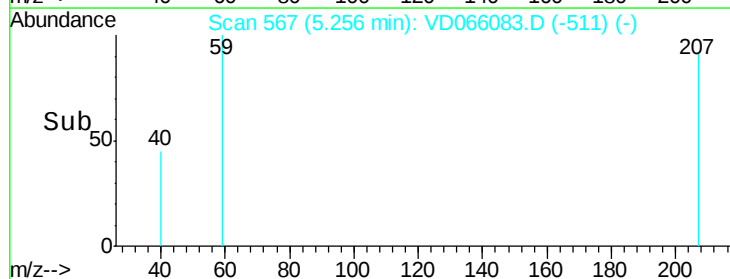
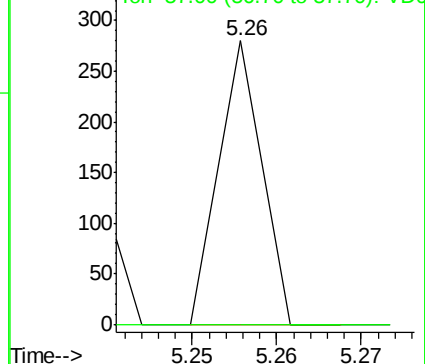
Ion Ratio Lower Upper

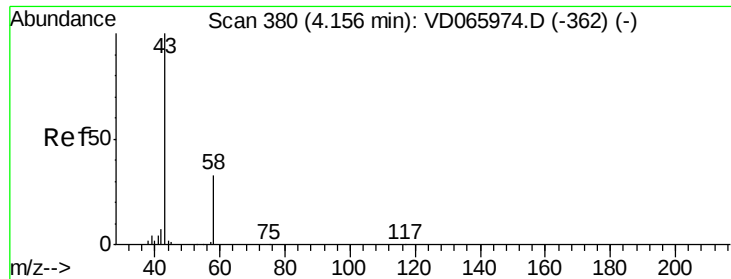
59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 3.322 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

Instrument :

MSVOA_D

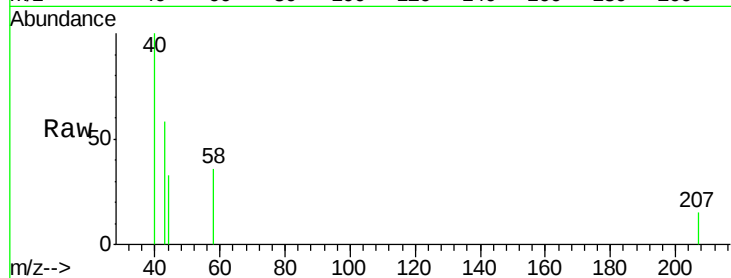
ClientSampleId :

Tot Ion: 43 Resp: 1432

Ion Ratio Lower Upper

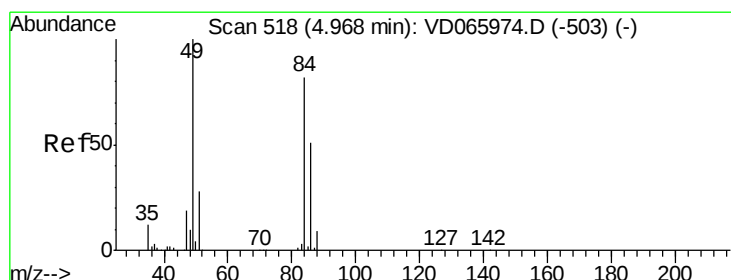
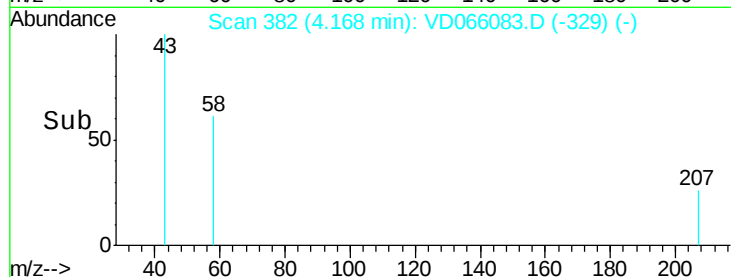
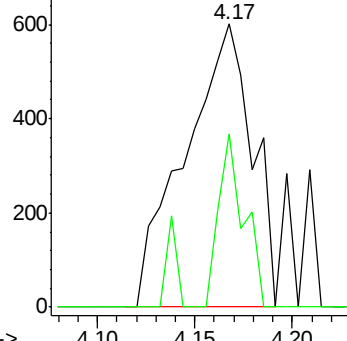
43 100

58 61.4 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: 1.250 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

Tgt Ion: 84 Resp: 9871

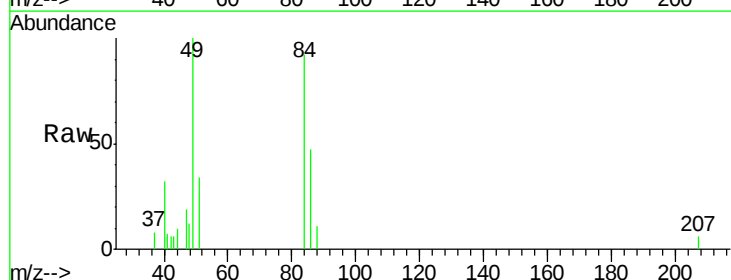
Ion Ratio Lower Upper

84 100

49 108.8 97.7 146.5

51 37.0 27.4 41.2

86 51.6 49.4 74.2

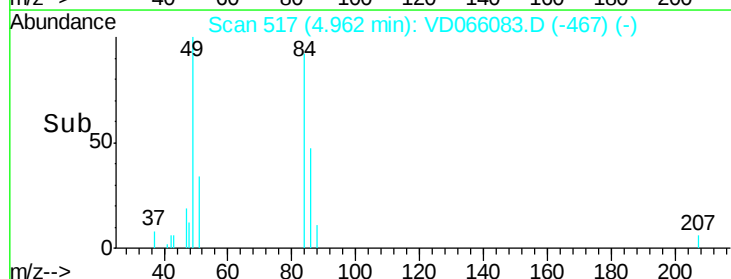
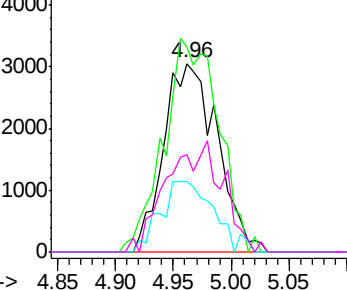


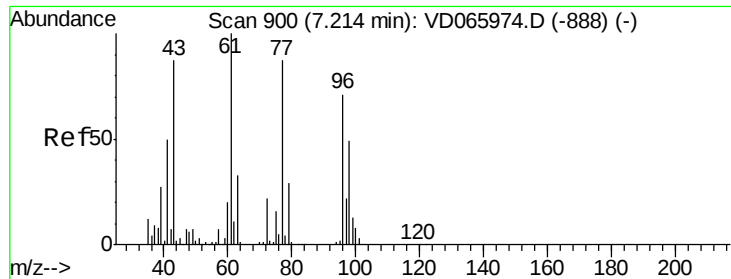
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.713 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

Instrument :

MSVOA_D

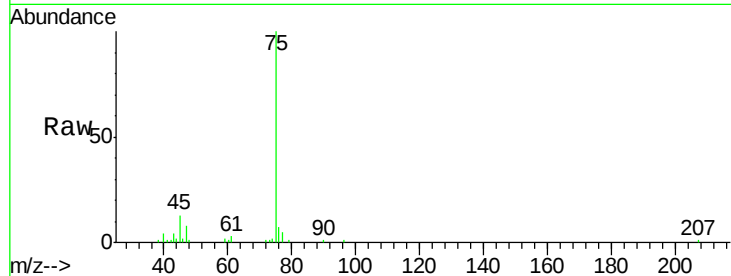
ClientSampled :

Tot Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

72 26.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

1000

800

600

400

200

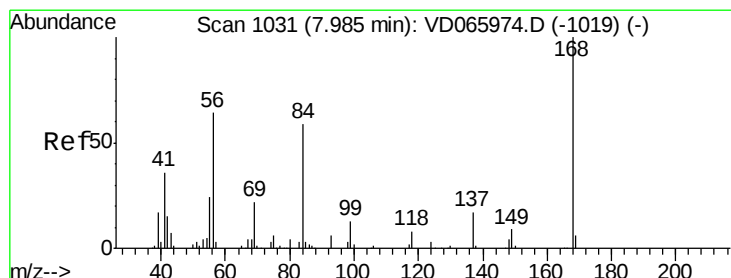
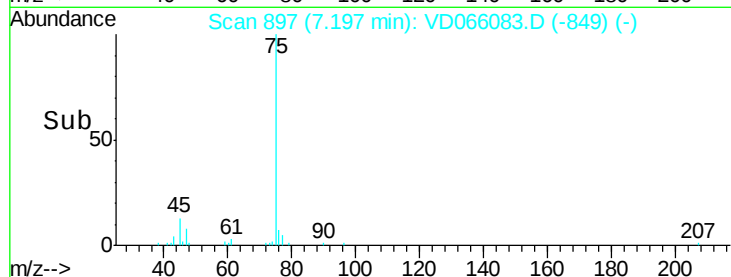
0

7.15

7.20

7.25

Time-->



#31

Cyclohexane

Concen: 1.608 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

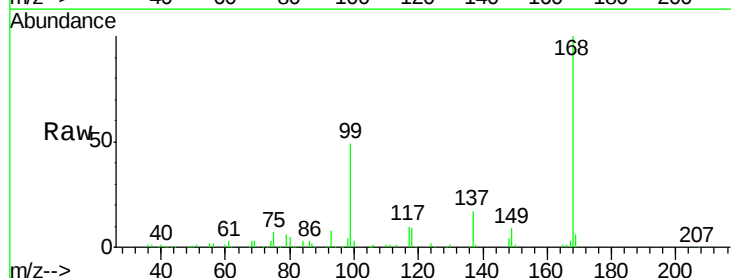
Tgt Ion: 56 Resp: 6159

Ion Ratio Lower Upper

56 100

69 128.6 28.0 42.0#

84 130.5 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

5000

4000

3000

2000

1000

0

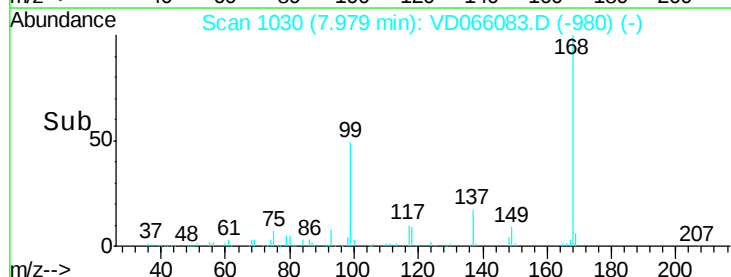
7.90

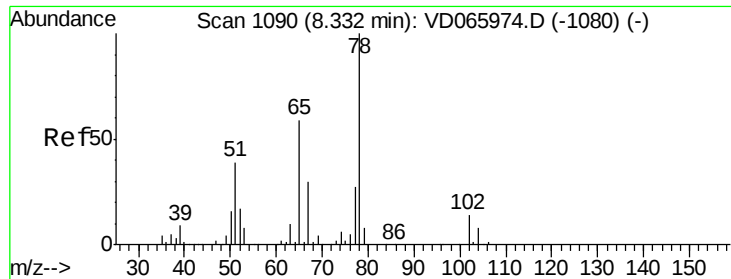
7.95

8.00

8.05

Time-->

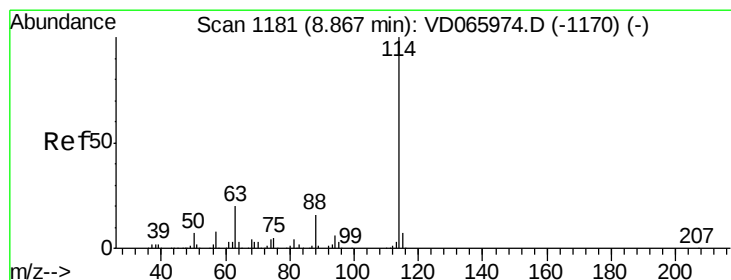
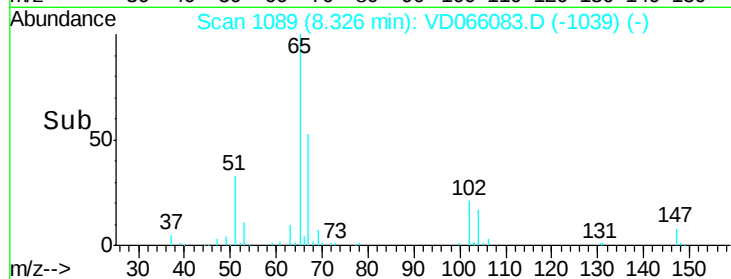
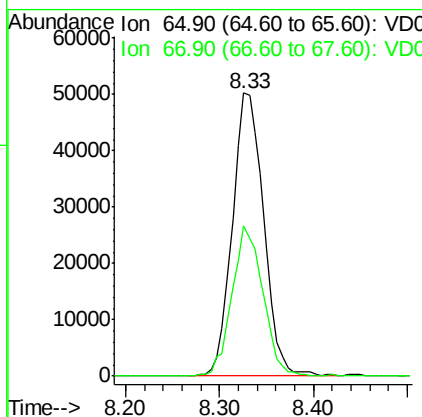
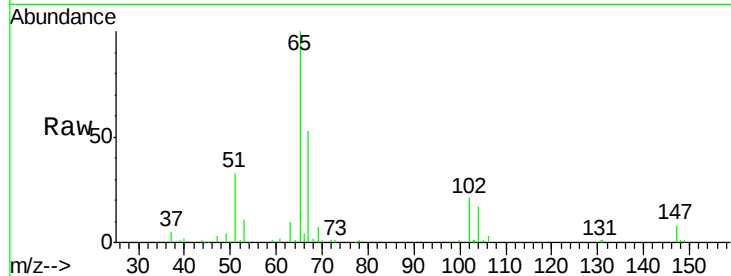




#33
 1,2-Dichloroethane-d4
 Concen: 54.539 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066083.D
 Acq: 29 Jul 2020 10:27

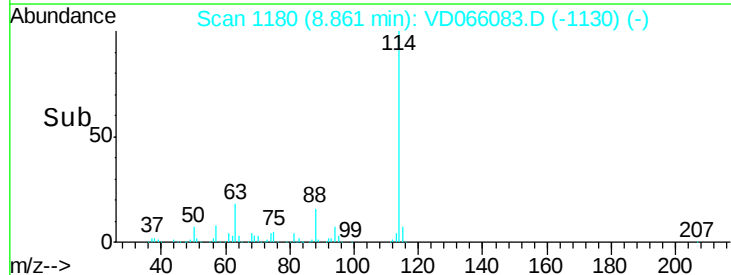
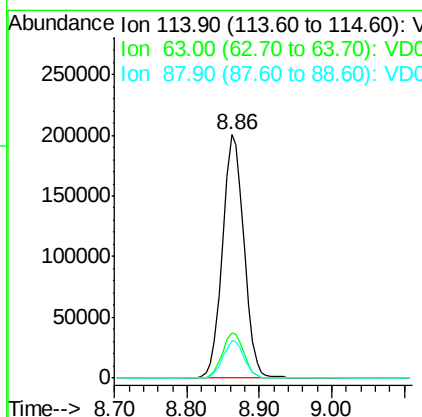
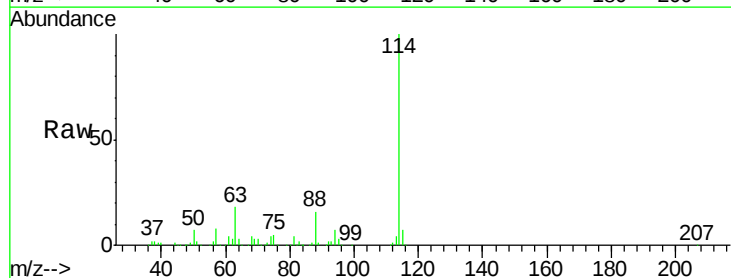
Instrument :
 MSVOA_D
 ClientSampled :

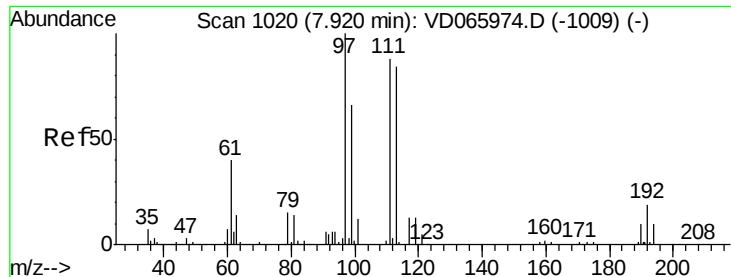
Tot Ion: 65 Resp: 116164
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066083.D
 Acq: 29 Jul 2020 10:27

Tgt Ion: 114 Resp: 412704
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 15.5 0.0 31.2

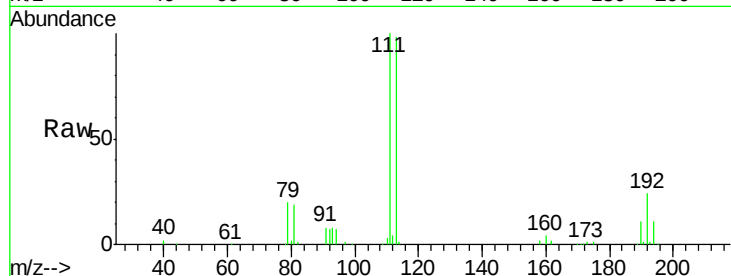




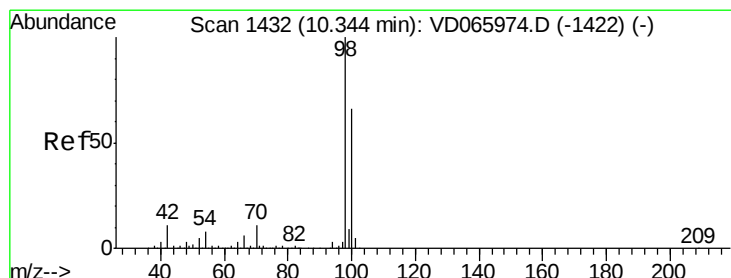
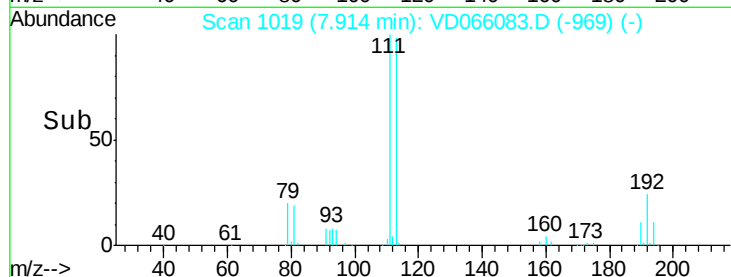
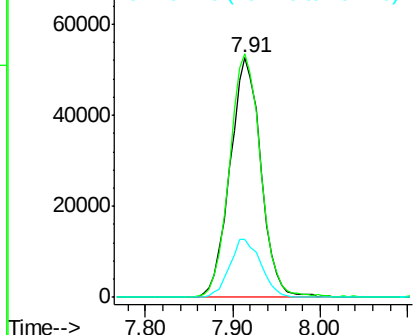
#35
Dibromofluoromethane
Concen: 50.290 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066083.D
Acq: 29 Jul 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 125885
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 24.5 18.7 28.1

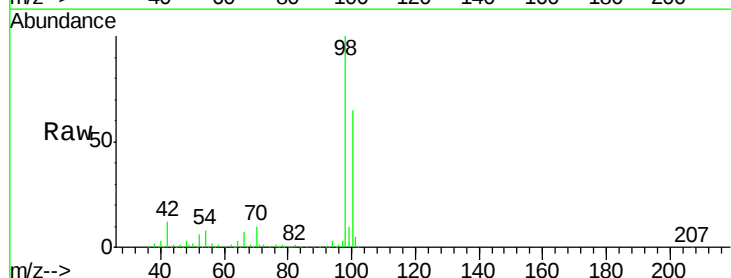


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

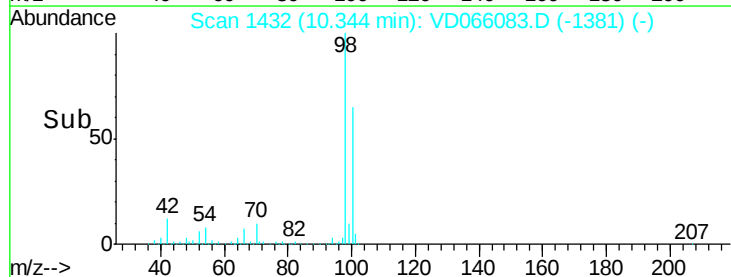
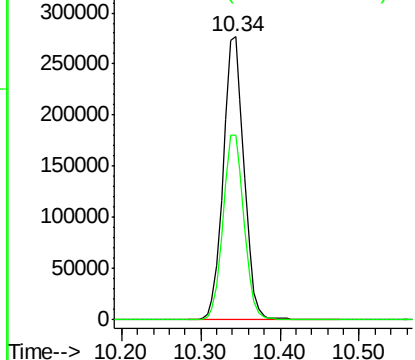


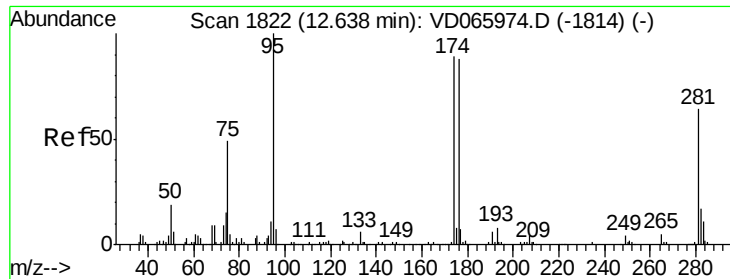
#50
Toluene-d8
Concen: 53.681 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066083.D
Acq: 29 Jul 2020 10:27

Tgt Ion: 98 Resp: 500577
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

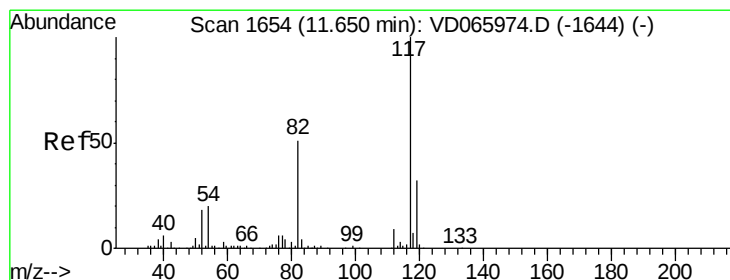
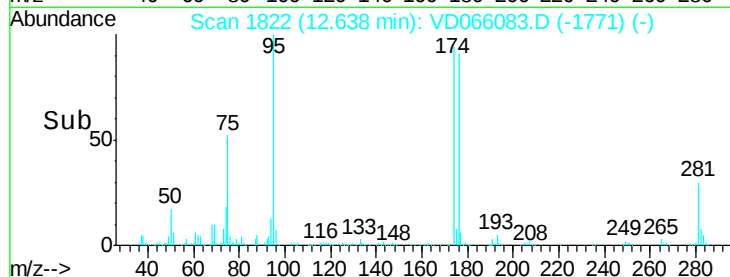
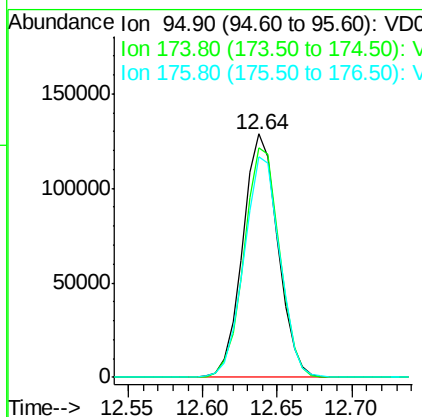
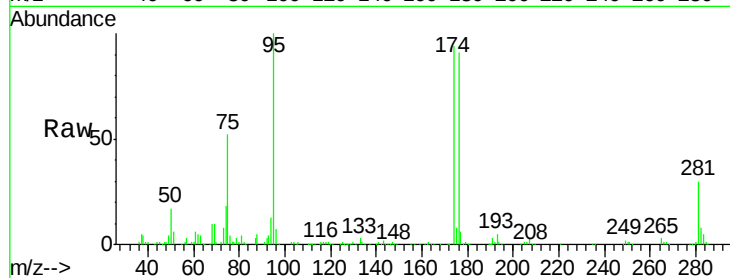




#62
4-Bromofluorobenzene
Concen: 64.665 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066083.D
Acq: 29 Jul 2020 10:27

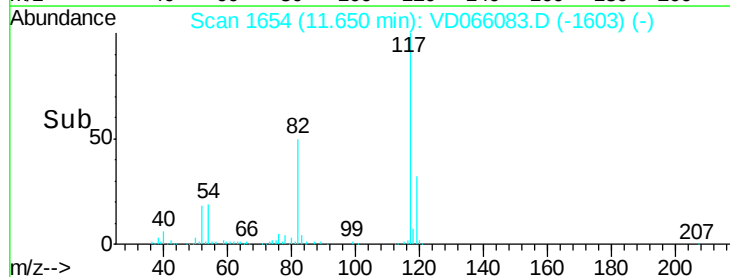
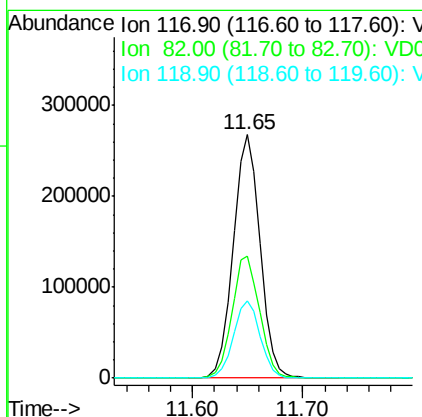
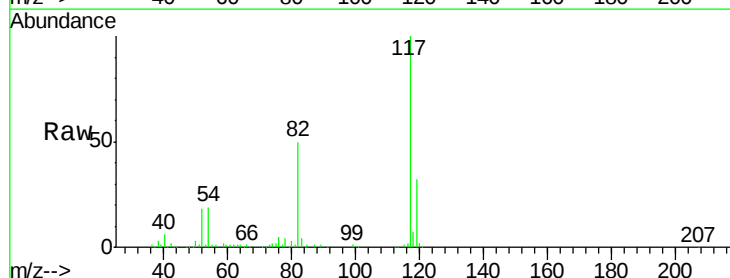
Instrument :
MSVOA_D
ClientSampleId :

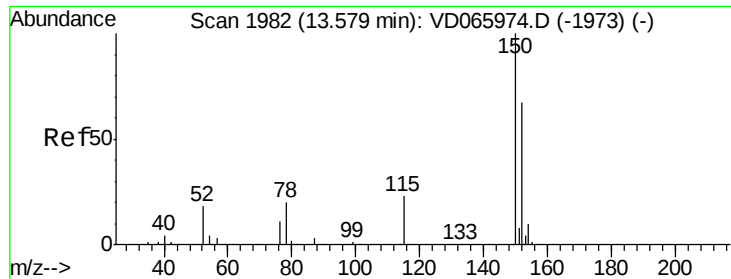
Tot Ion: 95 Resp: 209082
Ion Ratio Lower Upper
95 100
174 95.2 0.0 178.8
176 92.5 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066083.D
Acq: 29 Jul 2020 10:27

Tgt Ion: 117 Resp: 457255
Ion Ratio Lower Upper
117 100
82 49.9 41.1 61.7
119 31.6 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: VD066083.D

Acq: 29 Jul 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

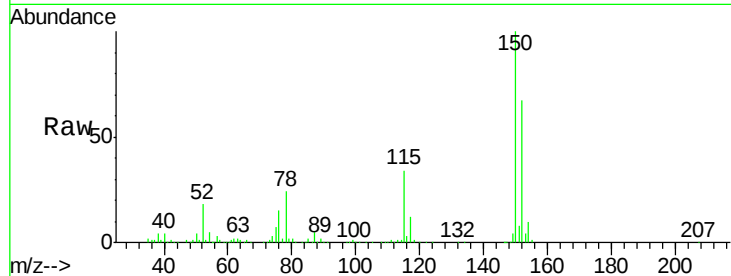
Tot Ion:152 Resp: 248965

Ion Ratio Lower Upper

152 100

115 53.4 27.9 83.7

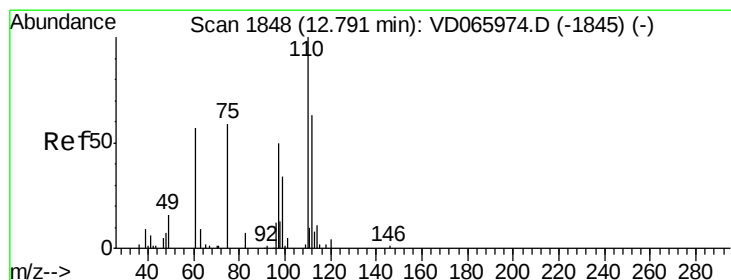
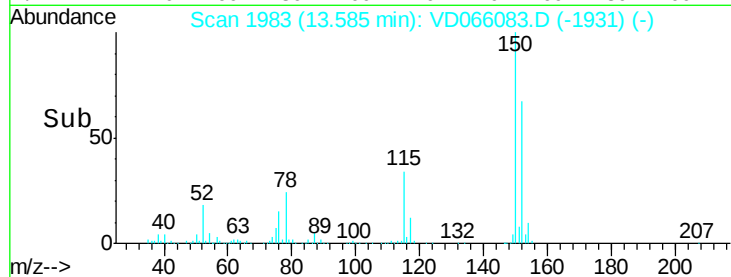
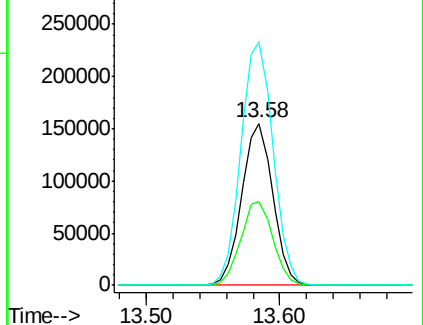
150 156.2 0.0 348.2



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: 58.342 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066083.D

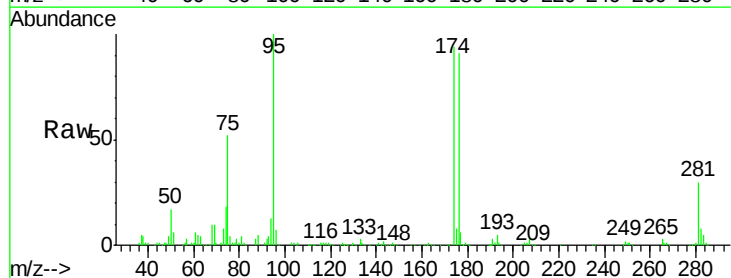
Acq: 29 Jul 2020 10:27

Tgt Ion: 75 Resp: 109366

Ion Ratio Lower Upper

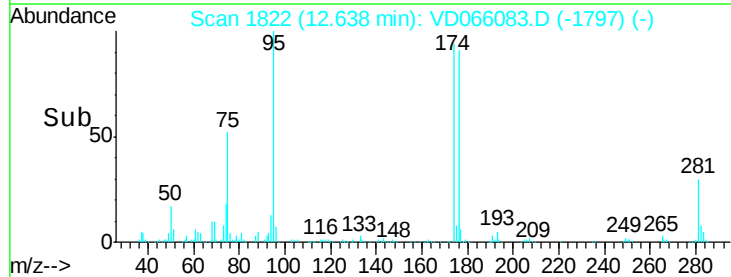
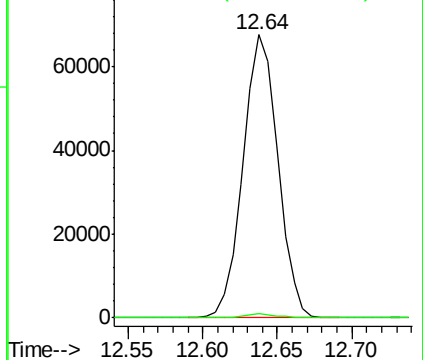
75 100

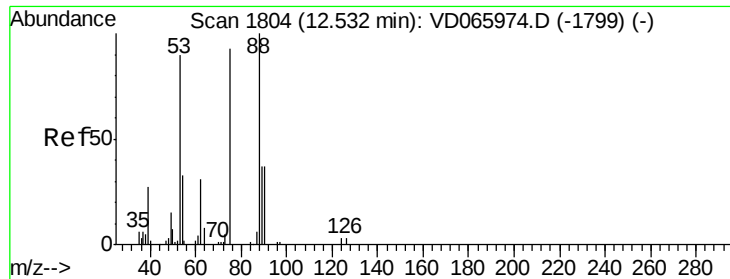
77 1.2 0.0 0.0#



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: 133.874 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

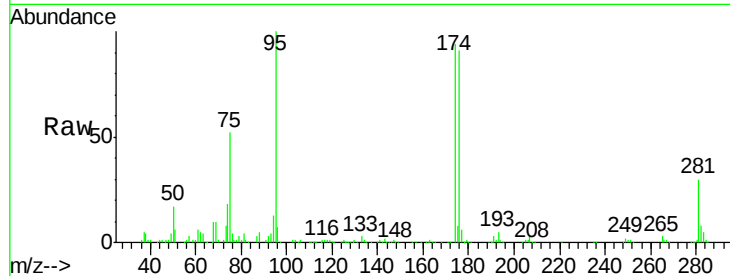
Tot Ion: 75 Resp: 109366

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

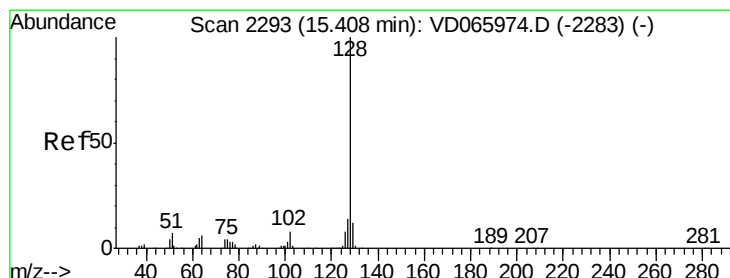
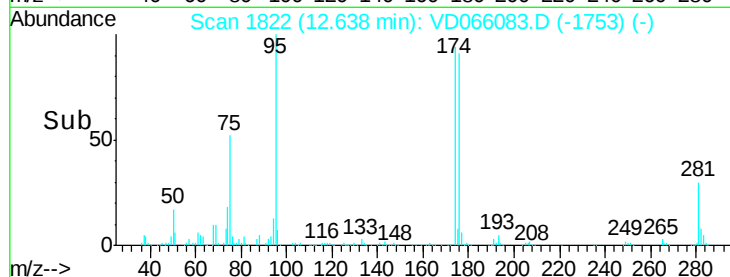
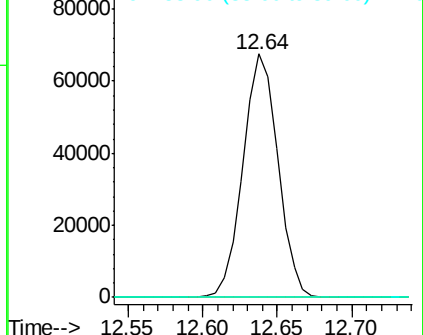
89 0.1 37.0 55.4#



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: 3.796 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066083.D

Acq: 29 Jul 2020 10:27

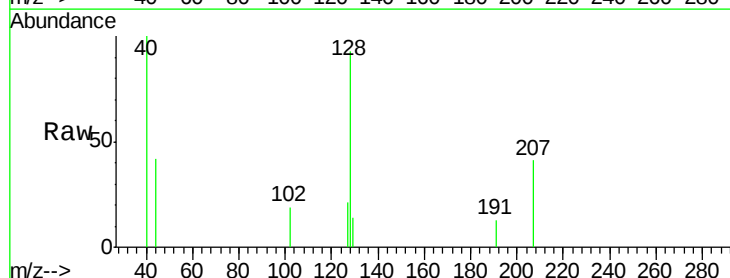
Tgt Ion: 128 Resp: 2115

Ion Ratio Lower Upper

128 100

127 4.2 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

