

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066039.D
 Acq On : 24 Jul 2020 11:26
 Operator : VA/SY
 Sample : VD0724SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBL01

Quant Time: Jul 24 23:51:25 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	320442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	504432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289840	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	134024	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	7.91	113	149550	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.34	98	596973	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	244704	61.92	ug/l	0.00
Spiked Amount			Recovery	=	123.84%	

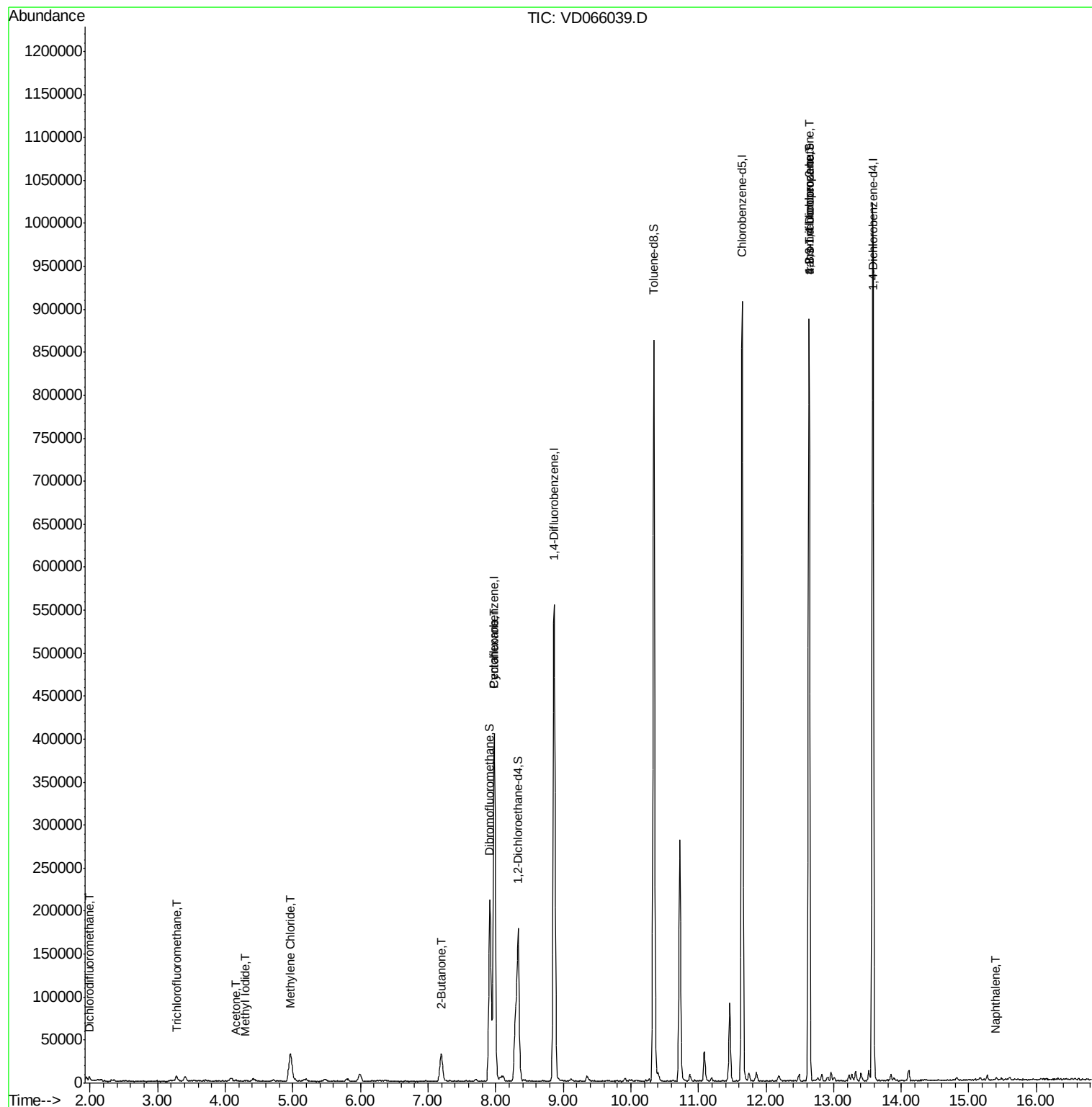
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3016	1.240	ug/l	92
5) Bromomethane	2.77	94	691	Below Cal		97
7) Trichlorofluoromethane	3.29	101	5280	1.149	ug/l #	83
10) Methyl Iodide	4.30	142	892	9.075	ug/l #	85
11) Tert butyl alcohol	5.17	59	1767	Below Cal	#	83
16) Acetone	4.16	43	1474	2.793	ug/l #	42
20) Methylene Chloride	4.97	84	25191	6.024	ug/l #	93
25) 2-Butanone	7.20	43	1874	2.676	ug/l	95
31) Cyclohexane	7.97	56	7842	1.672	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	122353	56.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	122353	128.650	ug/l #	11
95) Naphthalene	15.41	128	2663	3.816	ug/l #	91

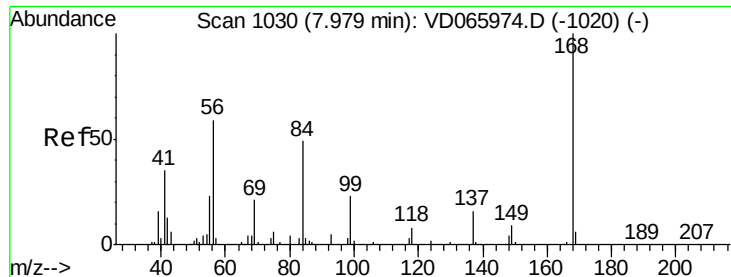
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
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Quant Time: Jul 24 23:51:25 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: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

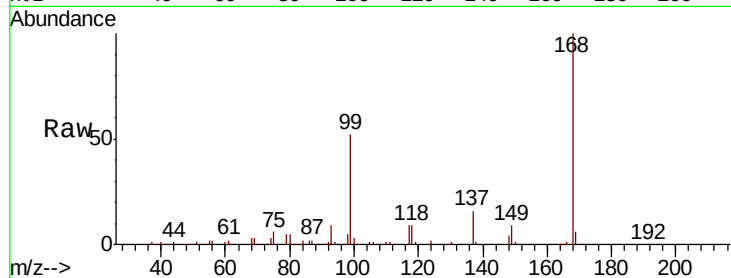
VD0724SBL01

Tot Ion:168 Resp: 320442

Ion Ratio Lower Upper

168 100

99 52.0 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

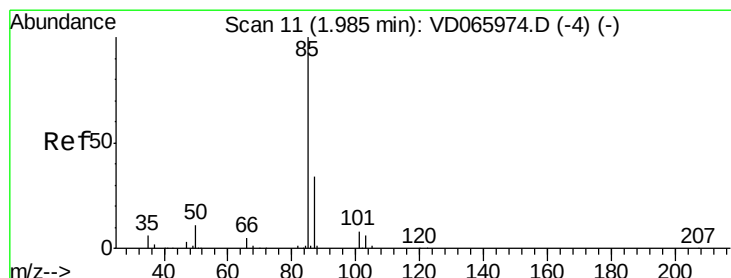
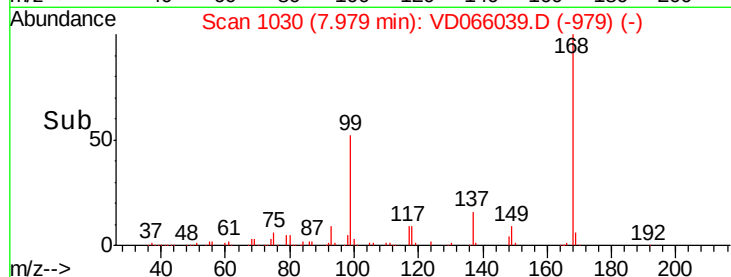
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.240 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066039.D

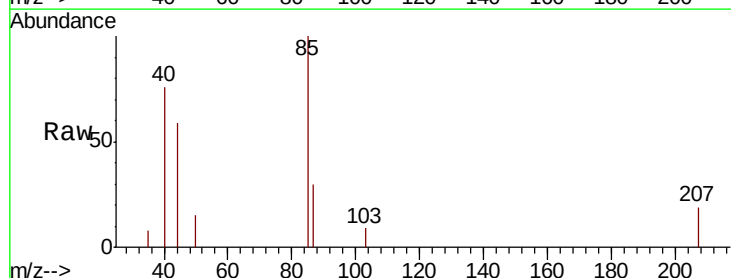
Acq: 24 Jul 2020 11:26

Tgt Ion: 85 Resp: 3016

Ion Ratio Lower Upper

85 100

87 29.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

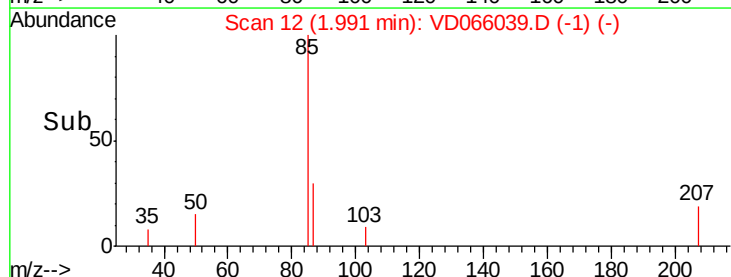
1500

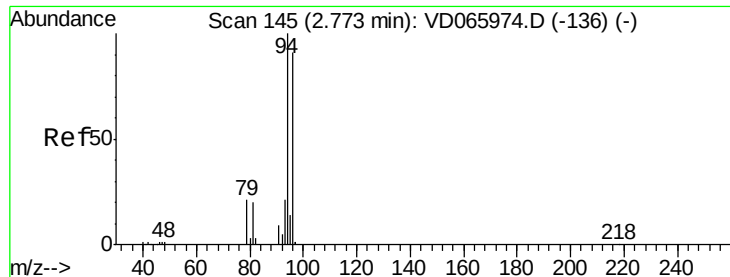
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

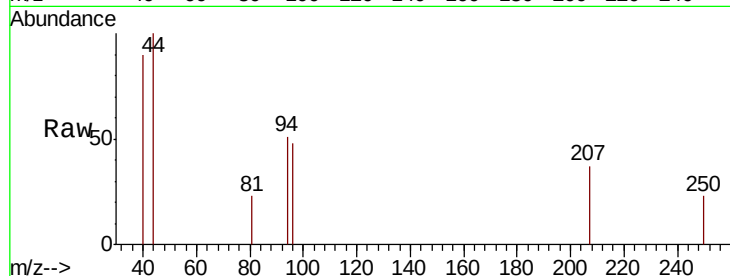
VD0724SBL01

Tot Ion: 94 Resp: 691

Ion Ratio Lower Upper

94 100

96 94.5 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

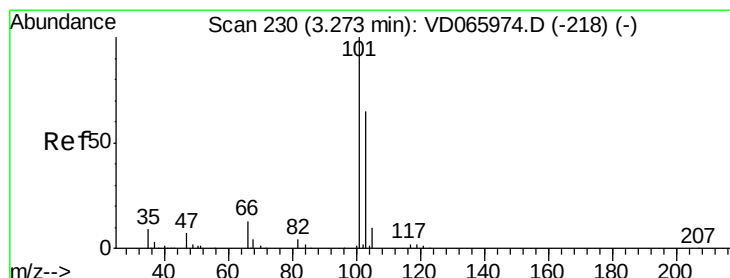
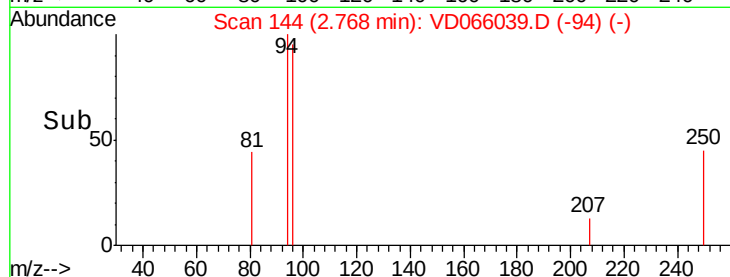
200

100

0

2.74 2.76 2.78 2.80 2.82

Time-->



#7

Trichlorofluoromethane

Concen: 1.149 ug/l

RT: 3.29 min Scan# 232

Delta R.T. 0.01 min

Lab File: VD066039.D

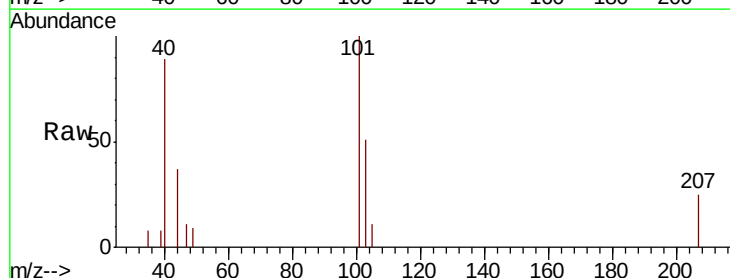
Acq: 24 Jul 2020 11:26

Tgt Ion: 101 Resp: 5280

Ion Ratio Lower Upper

101 100

103 51.3 52.1 78.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2500

2000

1500

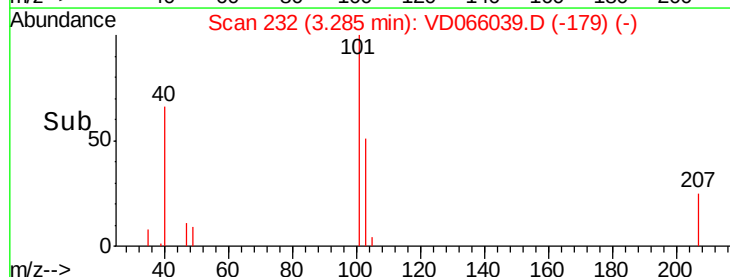
1000

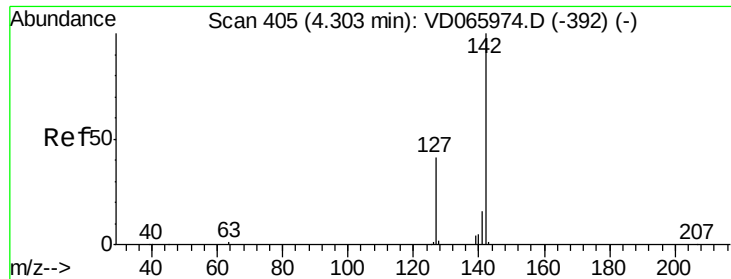
500

0

3.20 3.25 3.30 3.35

Time-->

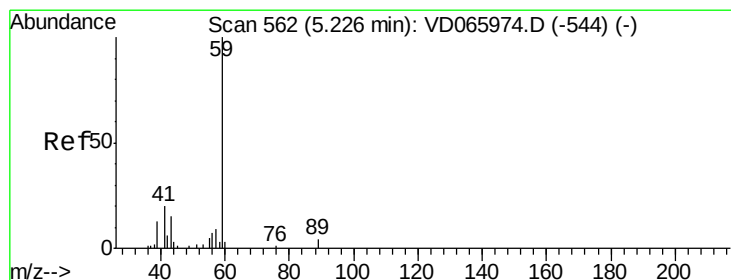
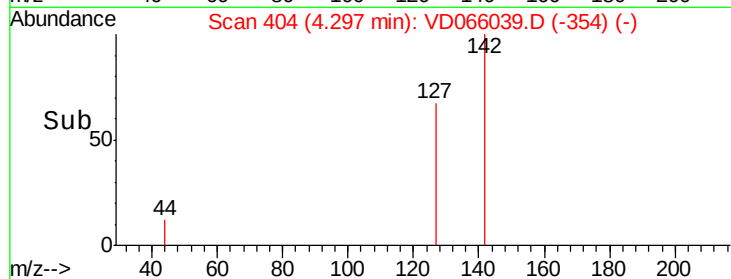
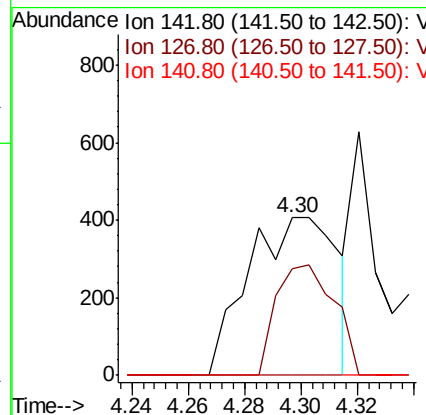
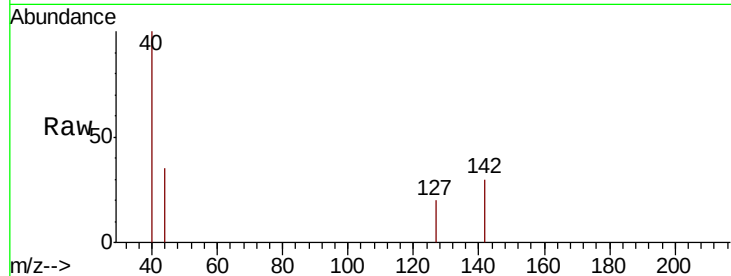




#10
Methyl Iodide
Concen: 9.075 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD066039.D
Acq: 24 Jul 2020 11:26

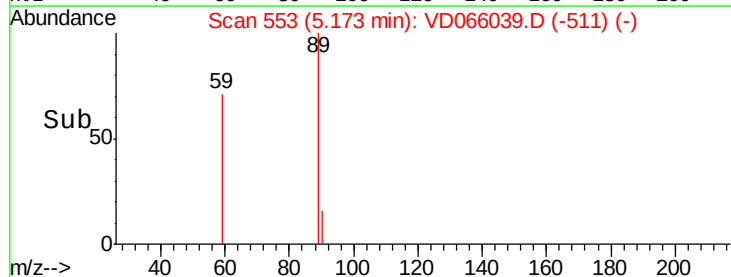
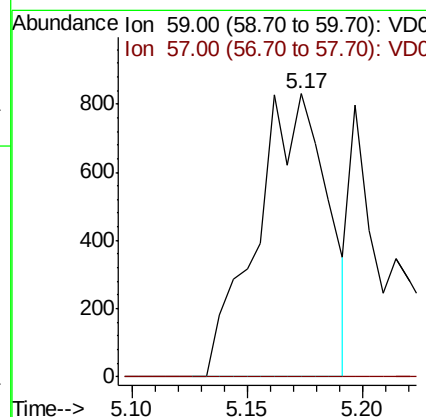
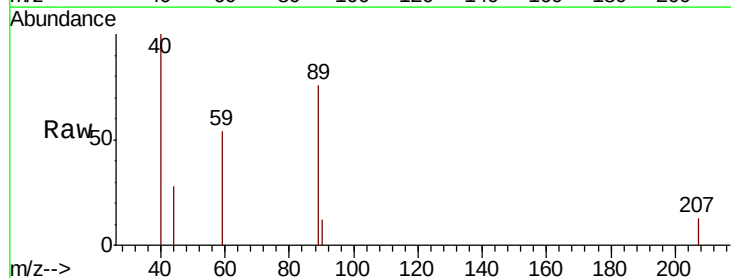
Instrument :
MSVOA_D
ClientSampleId :
VD0724SBL01

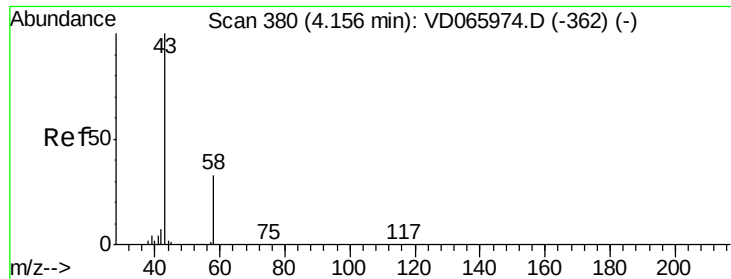
Tot Ion:142 Resp: 892
Ion Ratio Lower Upper
142 100
127 45.6 32.9 49.3
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 553
Delta R.T. -0.05 min
Lab File: VD066039.D
Acq: 24 Jul 2020 11:26

Tgt Ion: 59 Resp: 1767
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 2.793 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

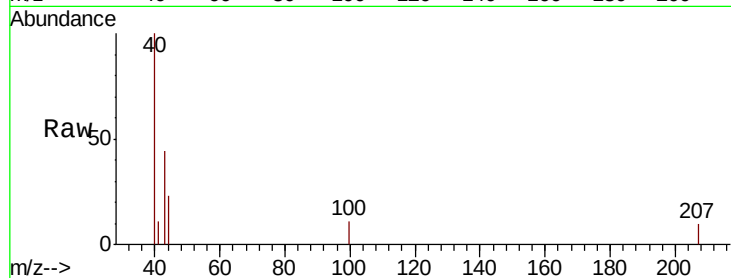
VD0724SBL01

Tot Ion: 43 Resp: 1474

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

4.16

800

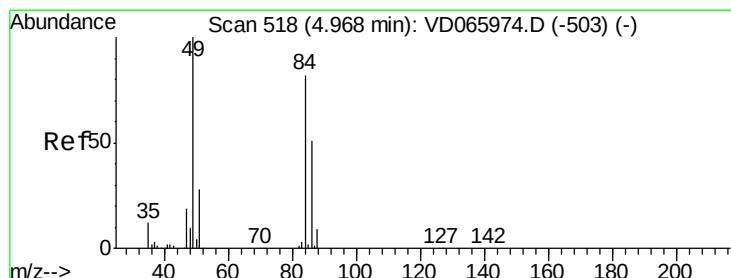
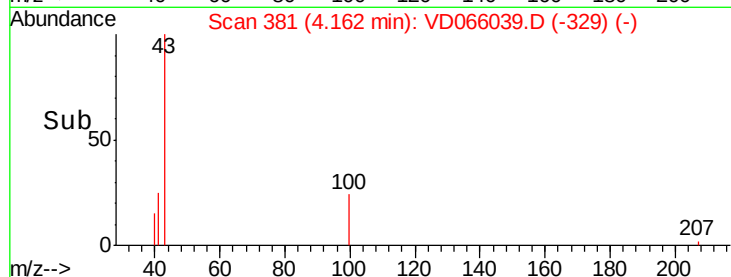
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 6.024 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Tgt Ion: 84 Resp: 25191

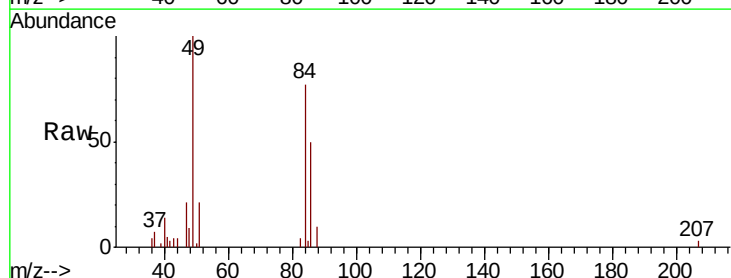
Ion Ratio Lower Upper

84 100

49 130.2 97.7 146.5

51 26.7 27.4 41.2#

86 65.1 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

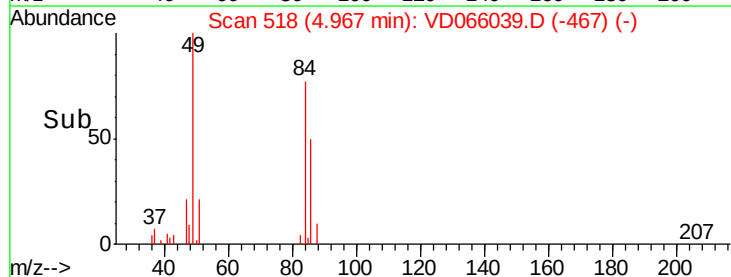
15000

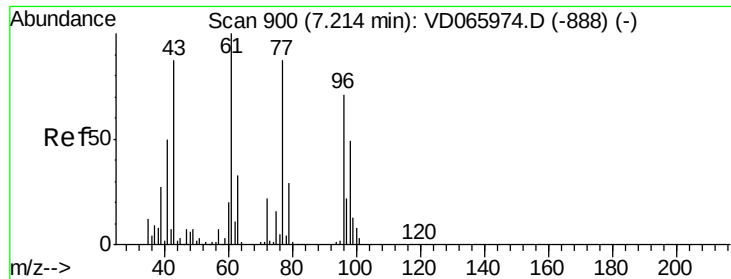
10000

5000

0

Time-->





#25

2-Butanone

Concen: 2.676 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

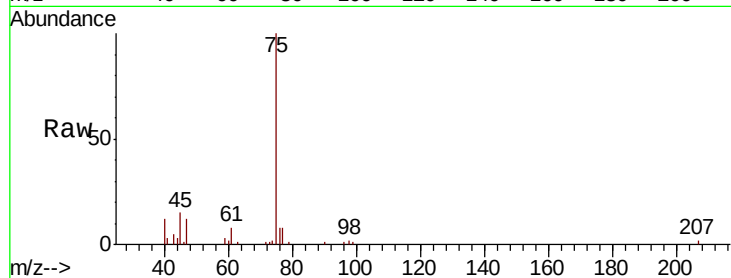
VD0724SBL01

Tot Ion: 43 Resp: 1874

Ion Ratio Lower Upper

43 100

72 22.8 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

800

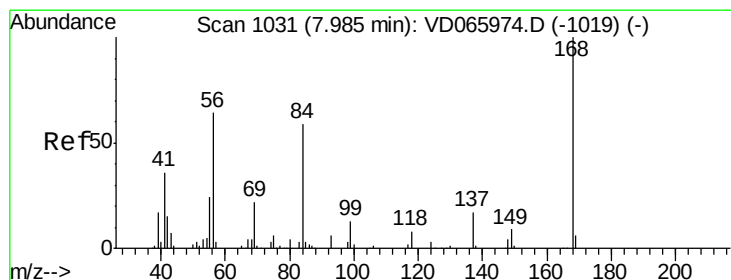
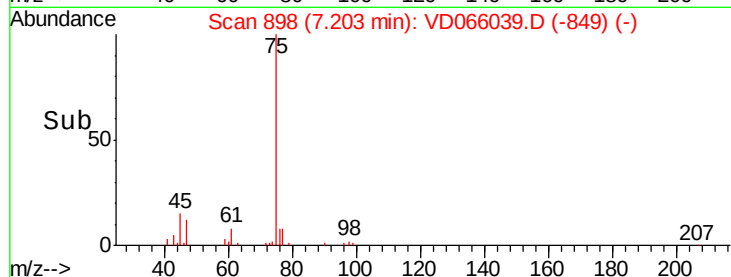
600

400

200

0

Time--> 7.10 7.15 7.20 7.25



#31

Cyclohexane

Concen: 1.672 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

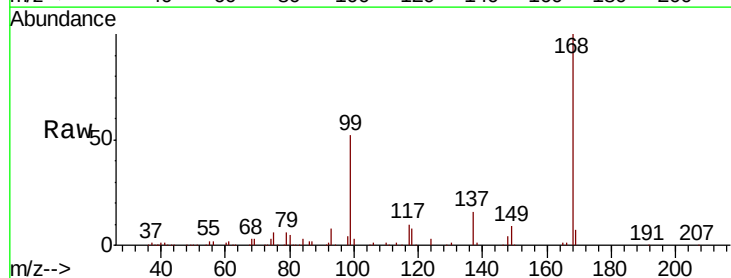
Tgt Ion: 56 Resp: 7842

Ion Ratio Lower Upper

56 100

69 133.5 28.0 42.0#

84 141.3 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

6000

5000

4000

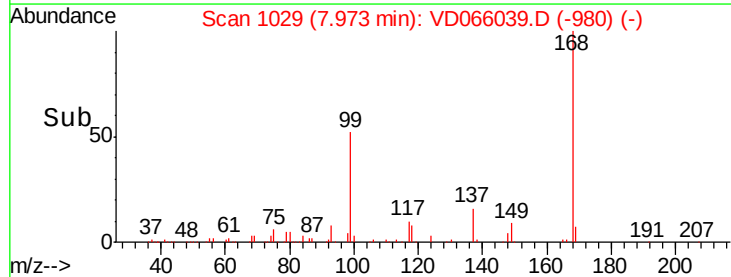
3000

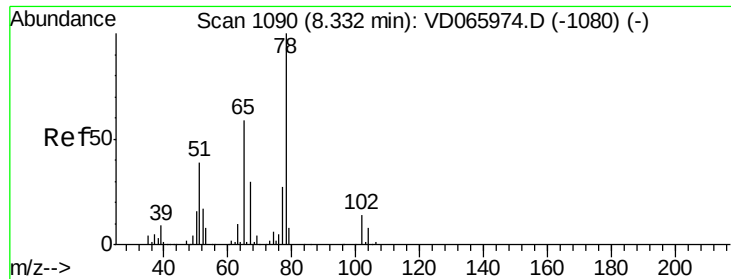
2000

1000

0

Time--> 7.90 7.95 8.00 8.05

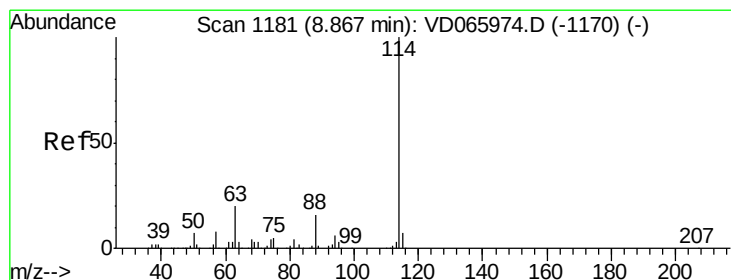
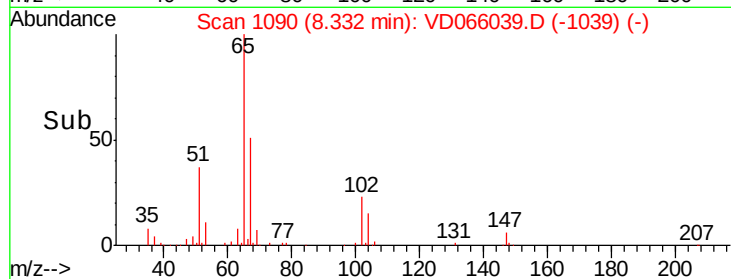
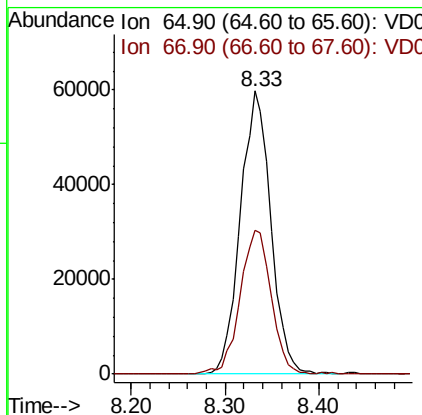
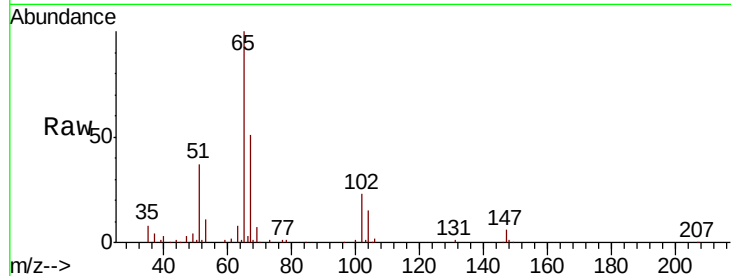




#33
 1,2-Dichloroethane-d4
 Concen: 51.401 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

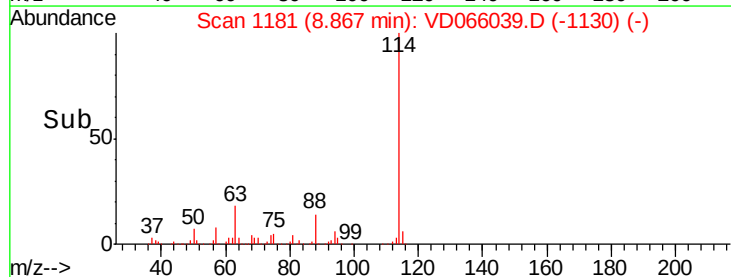
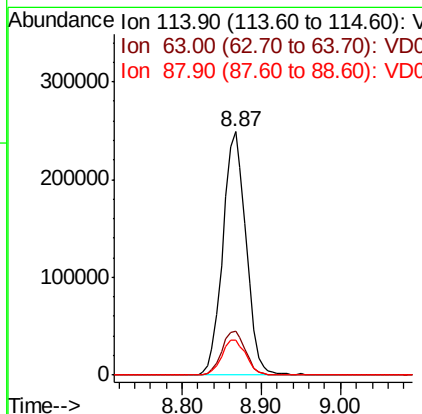
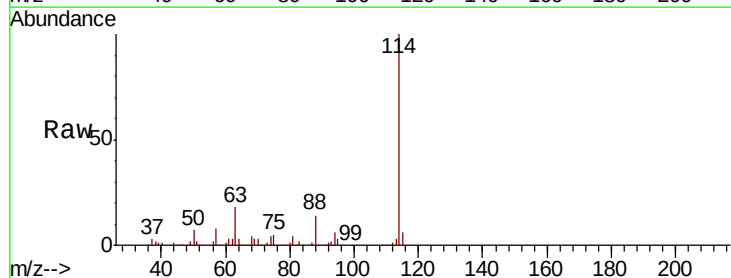
Instrument :
 MSVOA_D
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 VD0724SBL01

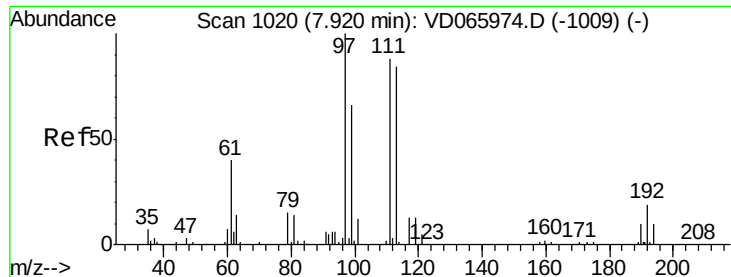
Tot Ion: 65 Resp: 134024
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

Tgt Ion: 114 Resp: 504432
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.6
 88 14.1 0.0 31.2

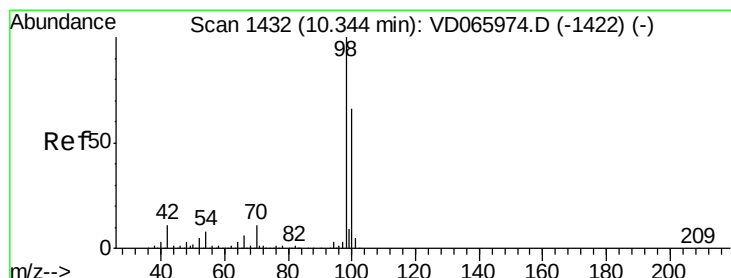
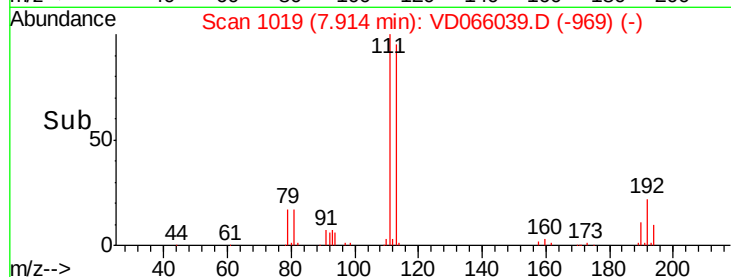
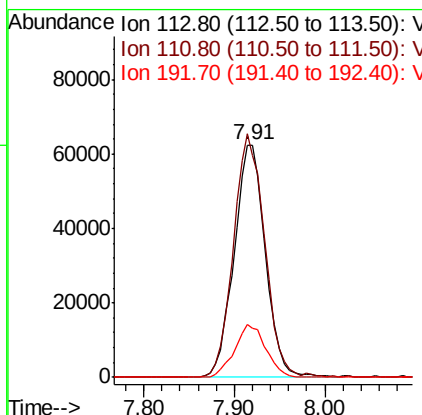
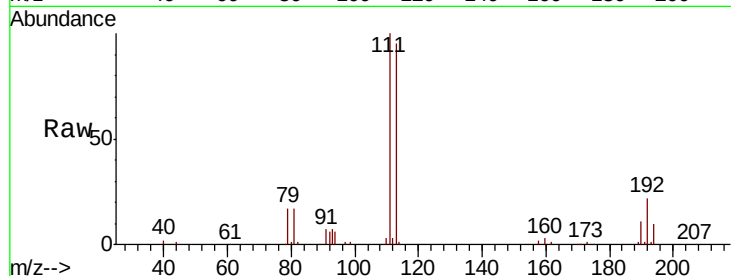




#35
 Dibromofluoromethane
 Concen: 48.880 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

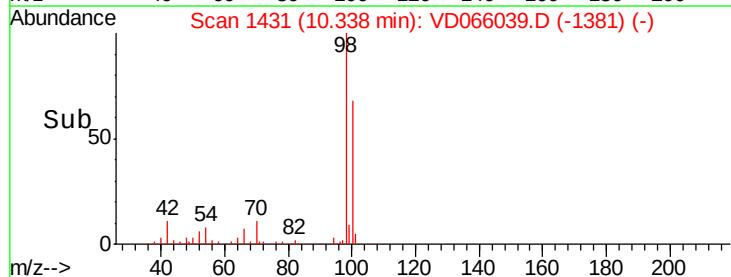
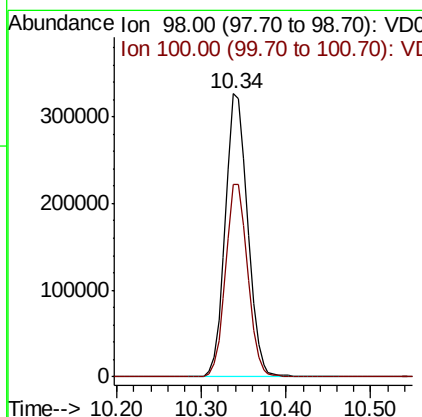
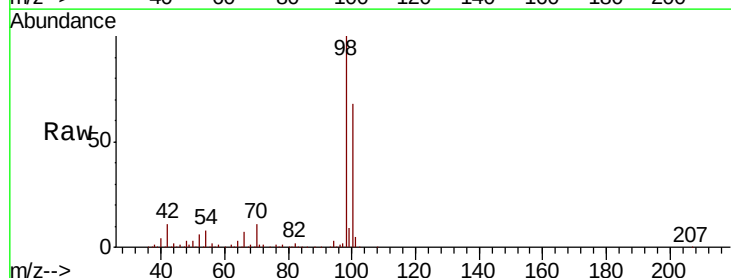
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBL01

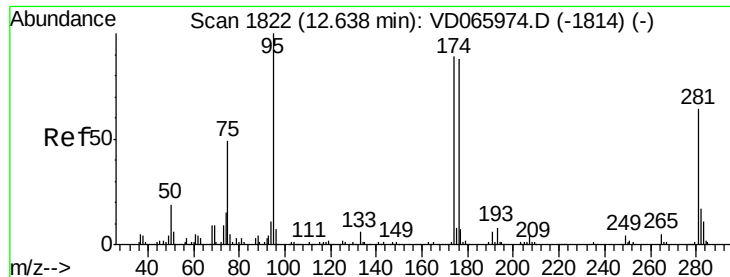
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.2	124.8
192	22.9	18.7	28.1



#50
 Toluene-d8
 Concen: 52.377 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 61.919 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBL01

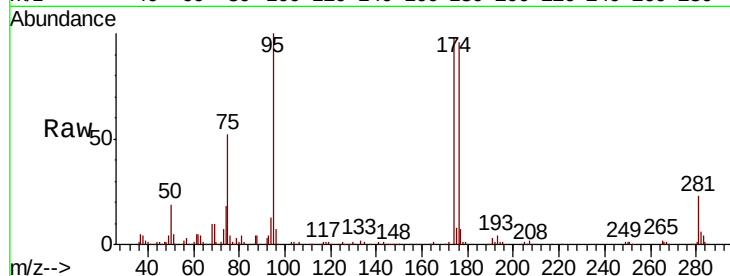
Tot Ion: 95 Resp: 244704

Ion Ratio Lower Upper

95 100

174 94.3 0.0 178.8

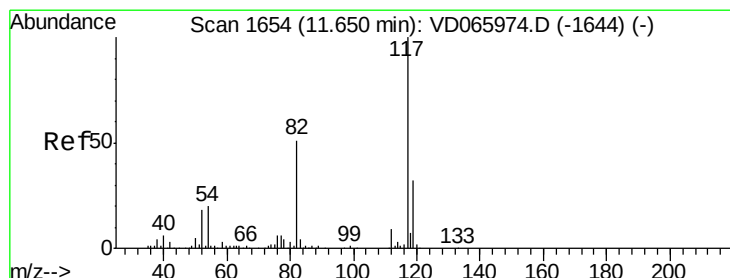
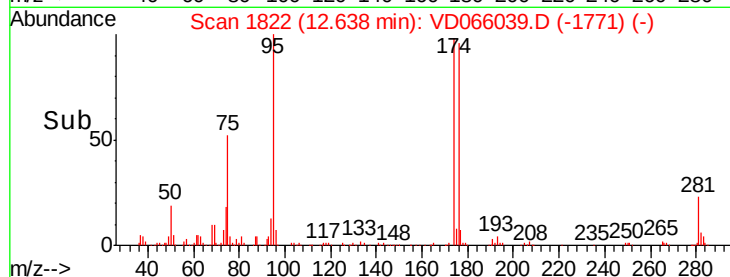
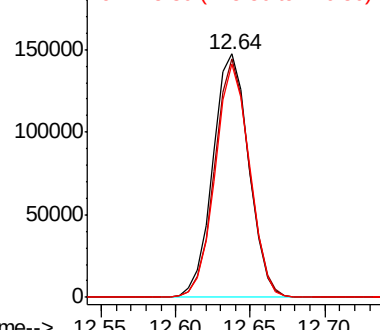
176 91.7 0.0 172.6



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: VD066039.D

Acq: 24 Jul 2020 11:26

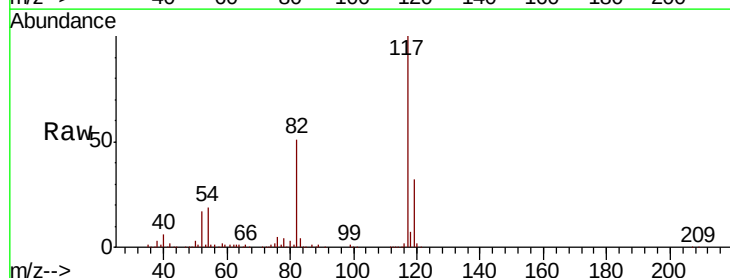
Tgt Ion: 117 Resp: 543868

Ion Ratio Lower Upper

117 100

82 50.9 41.1 61.7

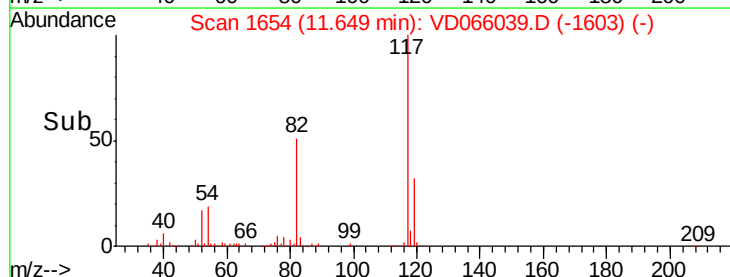
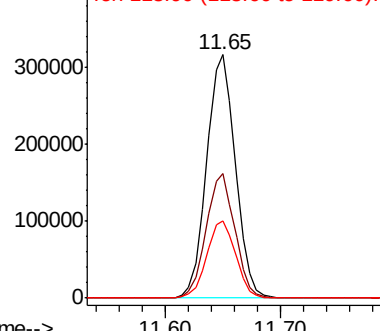
119 31.7 25.9 38.9

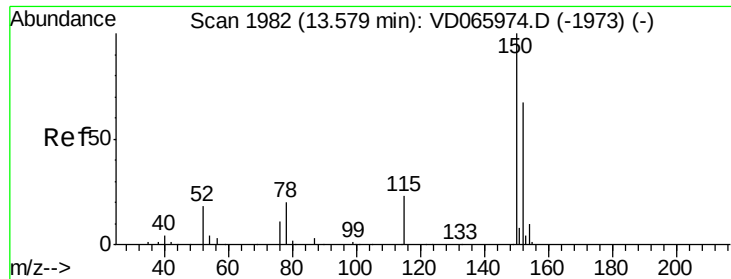


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

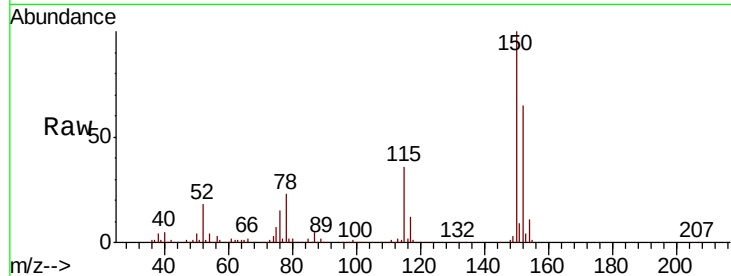




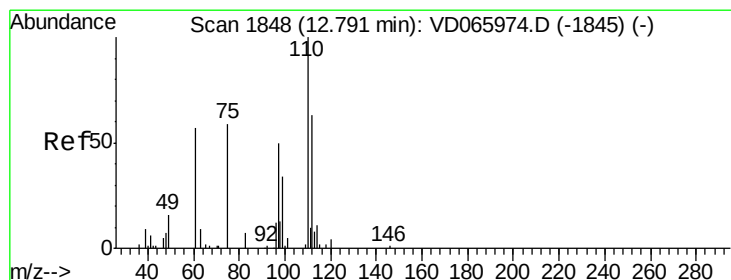
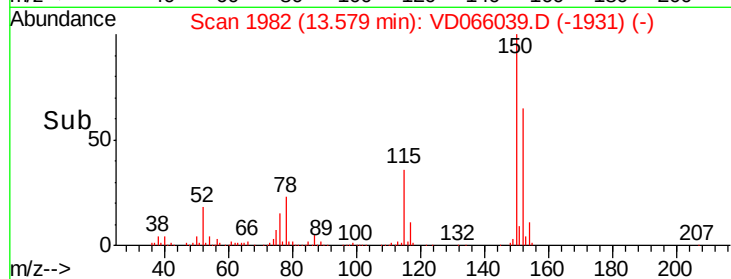
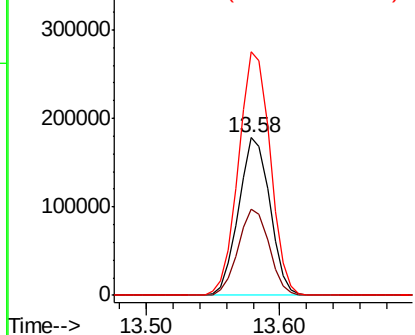
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBL01

Tot Ion:152 Resp: 289840
 Ion Ratio Lower Upper
 152 100
 115 54.3 27.9 83.7
 150 155.7 0.0 348.2

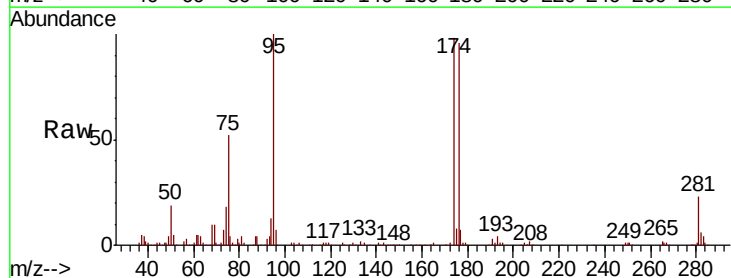


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

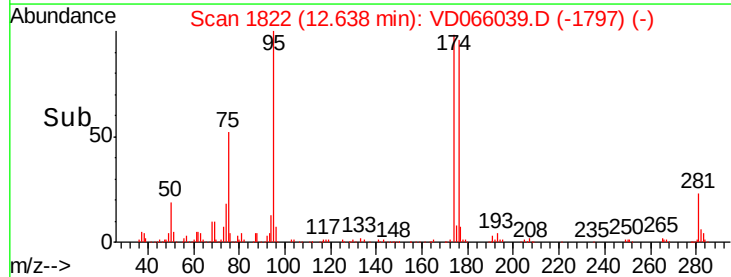
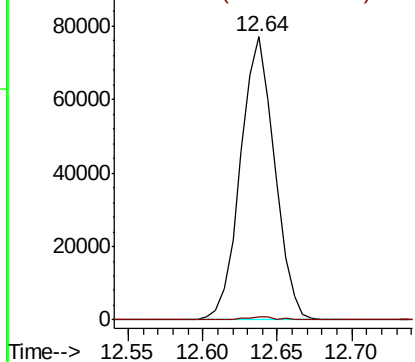


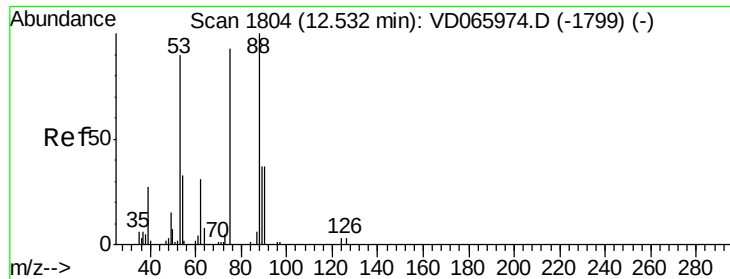
#76
 1,2,3-Trichloropropane
 Concen: 56.065 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066039.D
 Acq: 24 Jul 2020 11:26

Tgt Ion: 75 Resp: 122353
 Ion Ratio Lower Upper
 75 100
 77 1.1 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: 128.650 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBL01

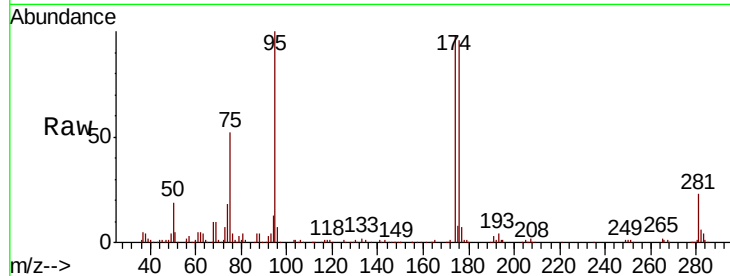
Tot Ion: 75 Resp: 122353

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

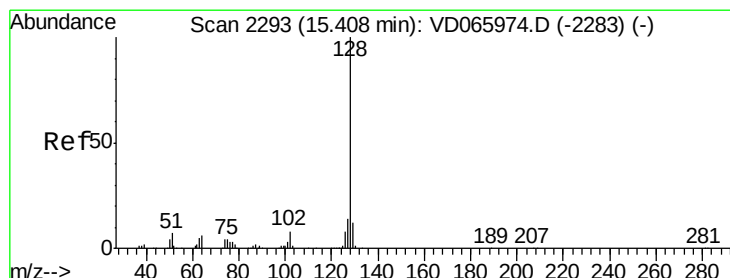
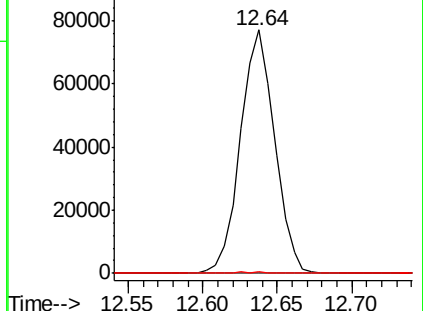
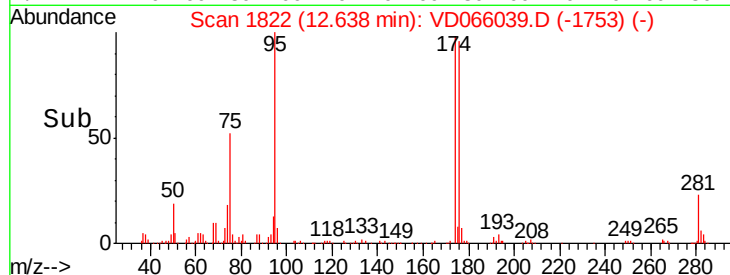
89 0.6 37.0 55.4#



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: 3.816 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066039.D

Acq: 24 Jul 2020 11:26

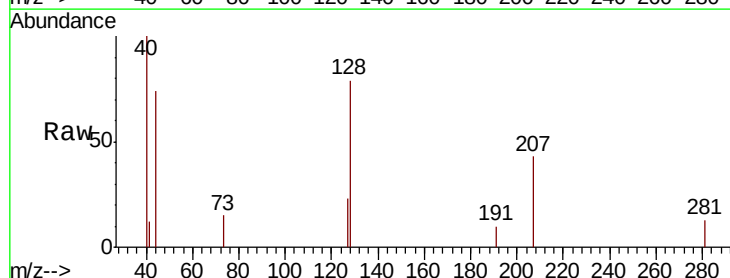
Tgt Ion: 128 Resp: 2663

Ion Ratio Lower Upper

128 100

127 15.5 10.8 16.2

129 5.6 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

