

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
 Data File : VD066063.D
 Acq On : 27 Jul 2020 12:16
 Operator : VA/SY
 Sample : VD0727SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBL01

Quant Time: Jul 27 17:49:16 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	302748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	459734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	488264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264626	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	122352	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.91	113	135061	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.34	98	545638	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.64	95	231056	64.15	ug/l	0.00
Spiked Amount			Recovery	=	128.30%	

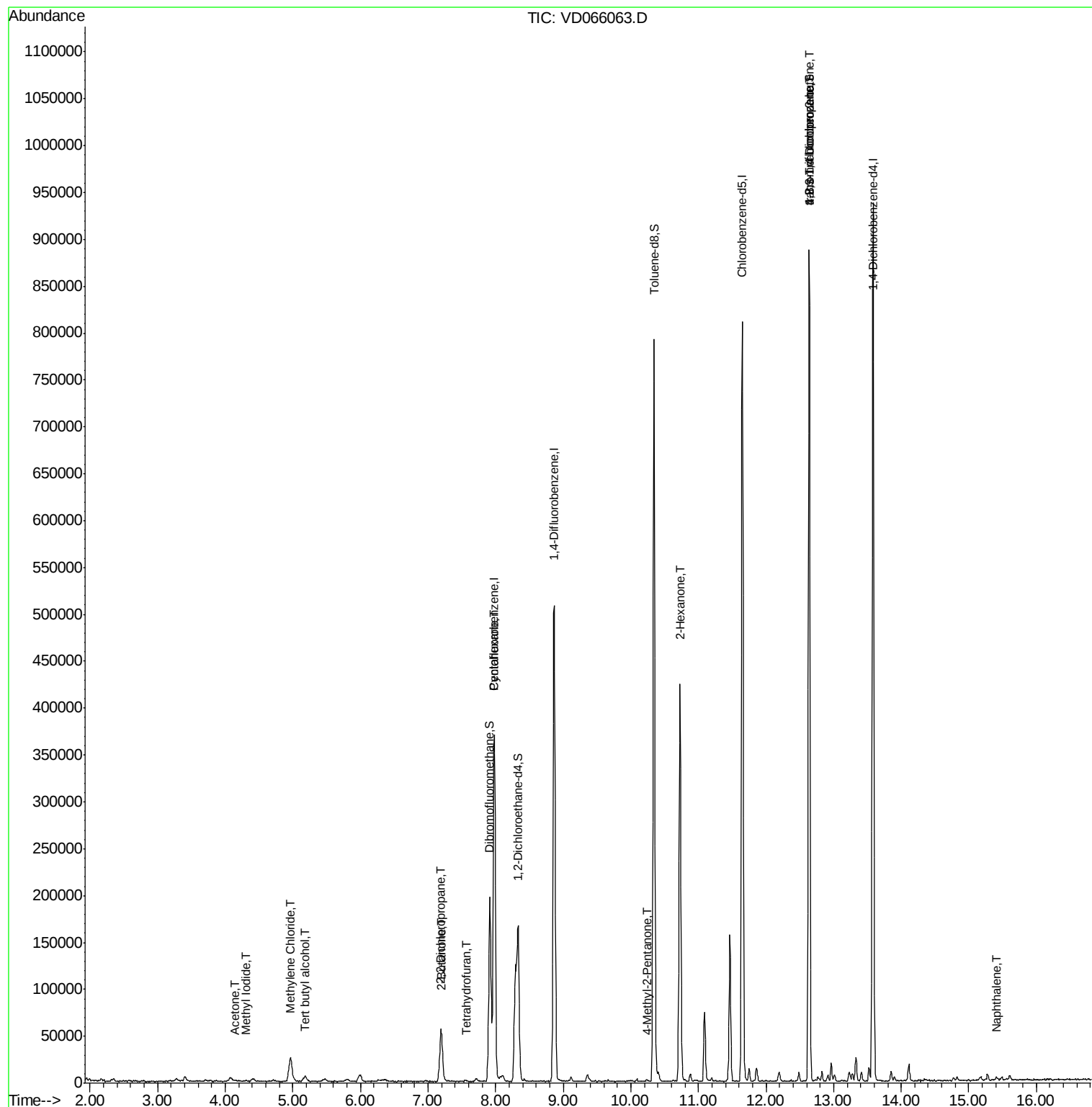
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	783	Below Cal		87
10) Methyl Iodide	4.30	142	1615	9.315	ug/l #	84
11) Tert butyl alcohol	5.18	59	5659	10.528	ug/l #	83
16) Acetone	4.15	43	2425	4.863	ug/l #	42
20) Methylene Chloride	4.97	84	19327	4.300	ug/l #	85
25) 2-Butanone	7.21	43	3234	4.888	ug/l #	50
26) 2,2-Dichloropropane	7.20	77	6366	1.572	ug/l #	55
29) Tetrahydrofuran	7.56	42	677	1.658	ug/l #	34
31) Cyclohexane	7.98	56	7849	1.771	ug/l #	21
51) 4-Methyl-2-Pentanone	10.24	43	1520	1.031	ug/l #	36
59) 2-Hexanone	10.72	43	1079	1.056	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	114512	57.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	114512	131.877	ug/l #	11
95) Naphthalene	15.41	128	4005	3.990	ug/l #	86

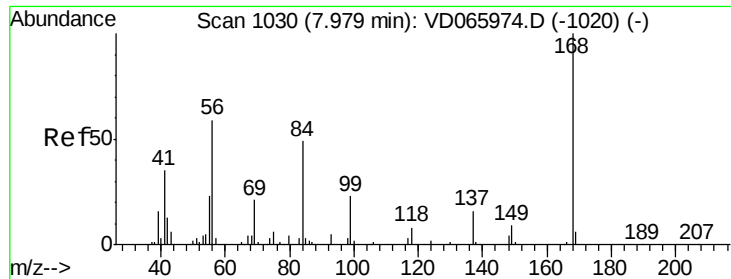
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
Data File : VD066063.D
Acq On : 27 Jul 2020 12:16
Operator : VA/SY
Sample : VD0727SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBL01

Quant Time: Jul 27 17:49:16 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: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

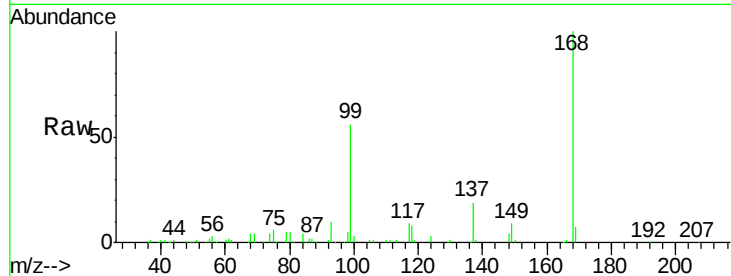
VD0727SBL01

Tgt Ion:168 Resp: 302748

Ion Ratio Lower Upper

168 100

99 55.7 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

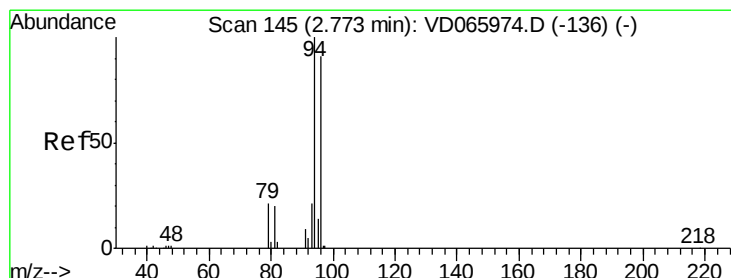
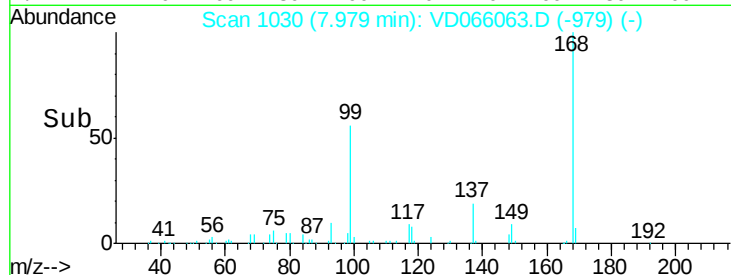
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066063.D

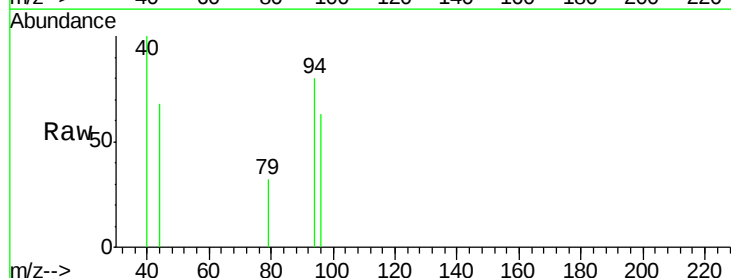
Acq: 27 Jul 2020 12:16

Tgt Ion: 94 Resp: 783

Ion Ratio Lower Upper

94 100

96 78.6 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

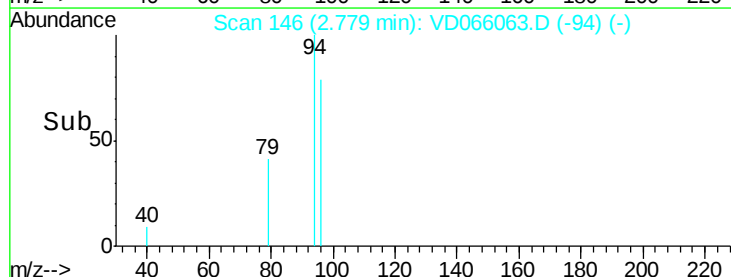
600

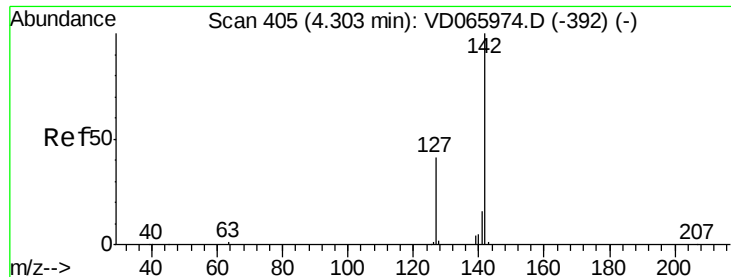
400

200

0

Time-->

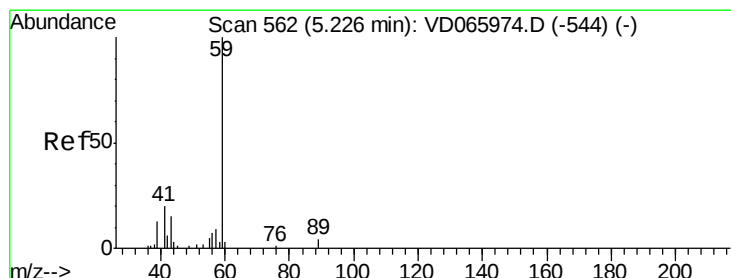
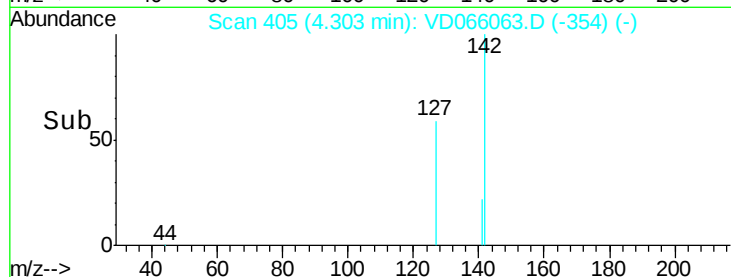
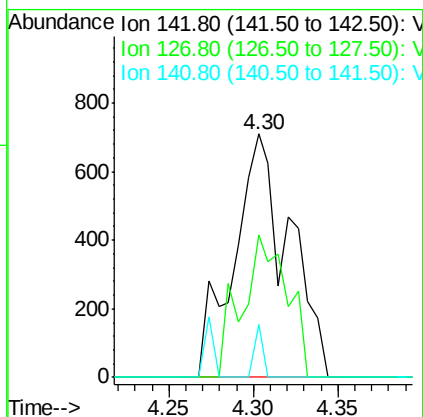
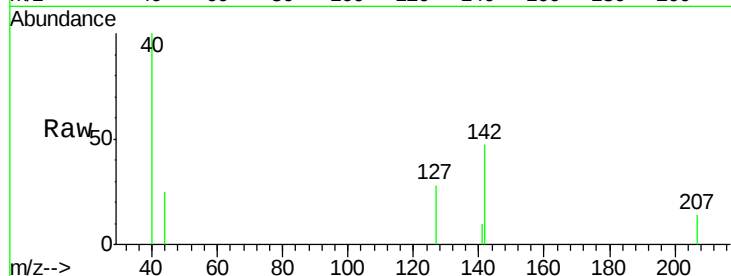




#10
Methyl Iodide
Concen: 9.315 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

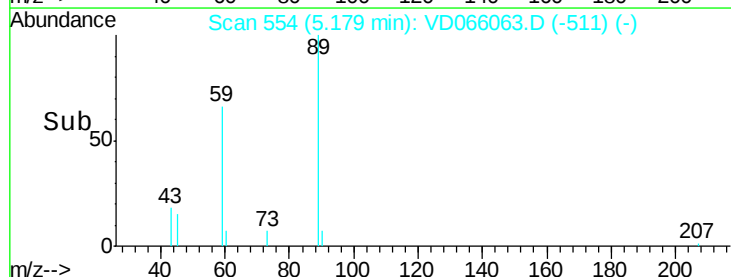
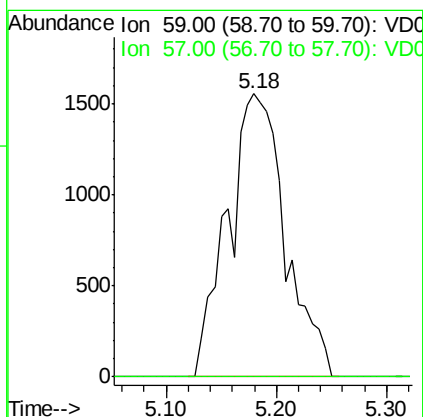
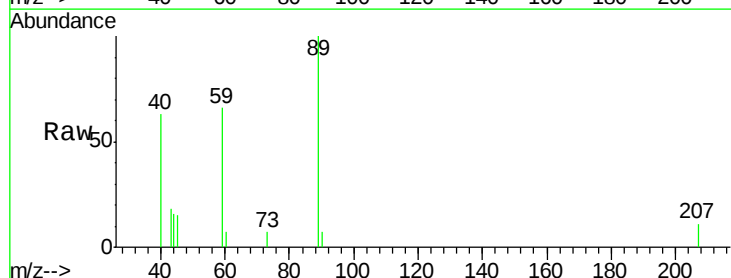
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBL01

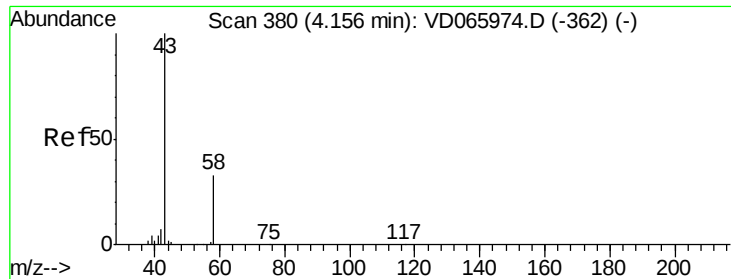
Tgt Ion: 142 Resp: 1615
Ion Ratio Lower Upper
142 100
127 48.5 32.9 49.3
141 3.4 11.8 17.6#



#11
Tert butyl alcohol
Concen: 10.528 ug/l
RT: 5.18 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

Tgt Ion: 59 Resp: 5659
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 4.863 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

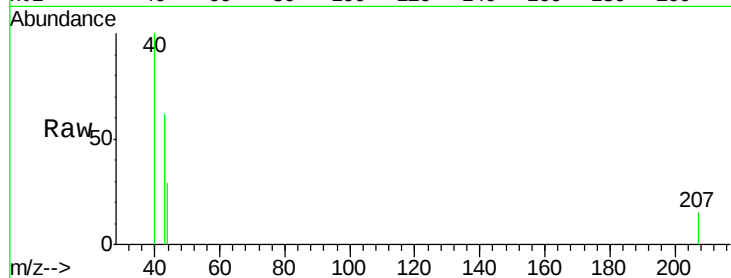
VD0727SBL01

Tgt Ion: 43 Resp: 2425

Ion Ratio Lower Upper

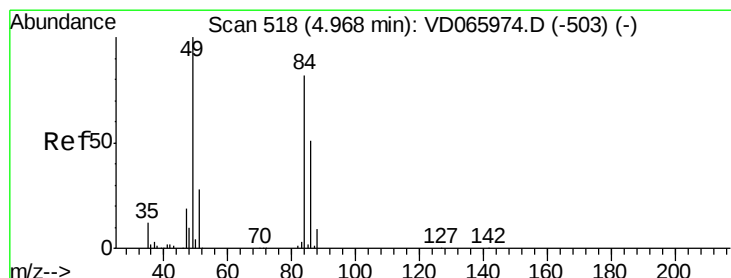
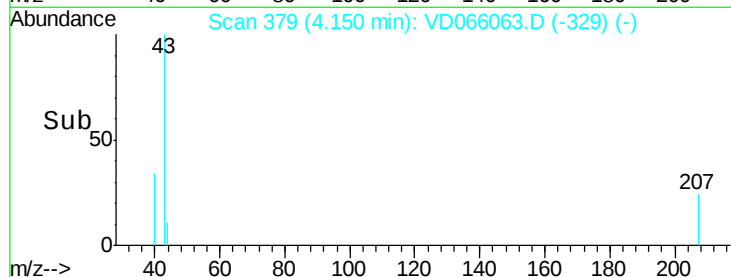
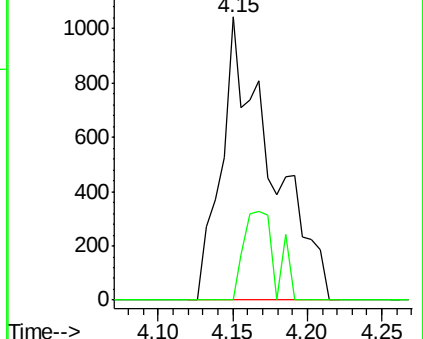
43 100

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: 4.300 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Tgt Ion: 84 Resp: 19327

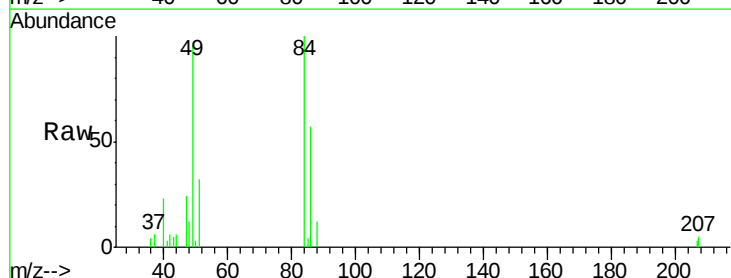
Ion Ratio Lower Upper

84 100

49 96.4 97.7 146.5#

51 32.1 27.4 41.2

86 57.4 49.4 74.2

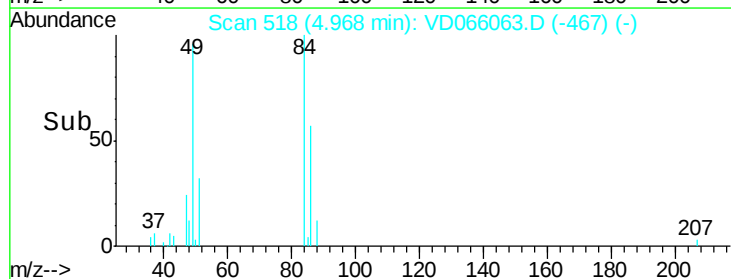
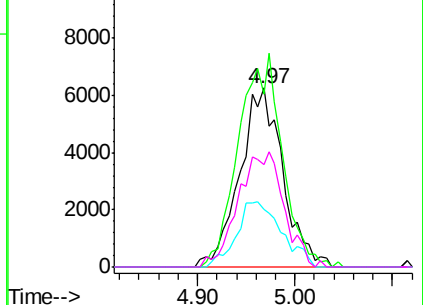


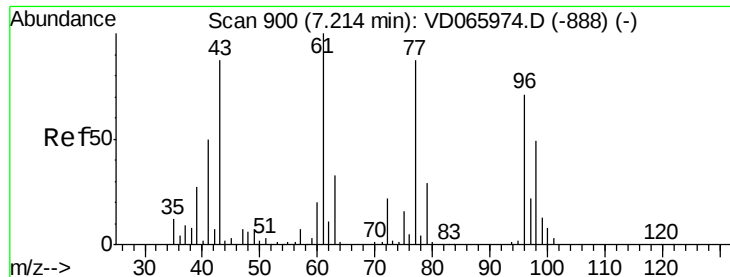
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 4.888 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

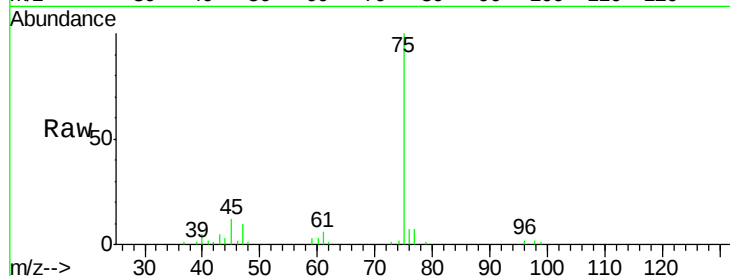
VD0727SBL01

Tgt Ion: 43 Resp: 3234

Ion Ratio Lower Upper

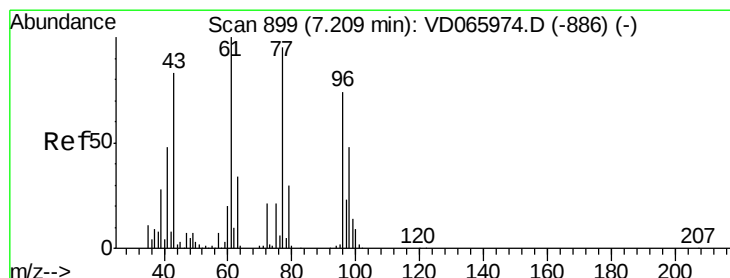
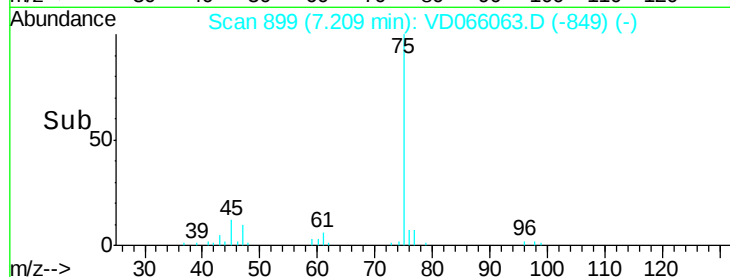
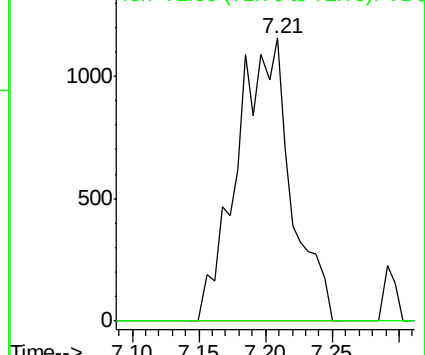
43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.572 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066063.D

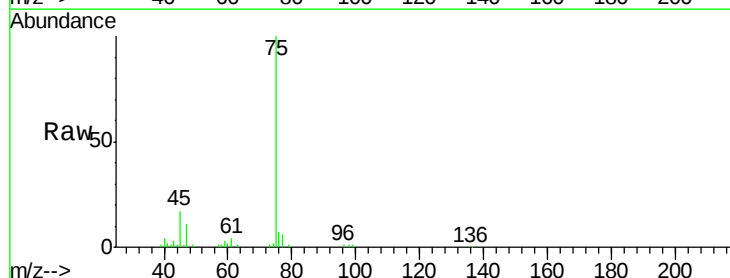
Acq: 27 Jul 2020 12:16

Tgt Ion: 77 Resp: 6366

Ion Ratio Lower Upper

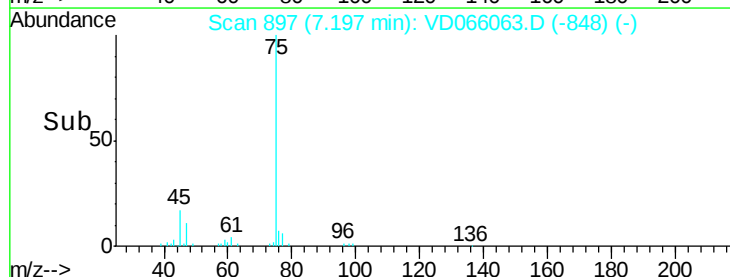
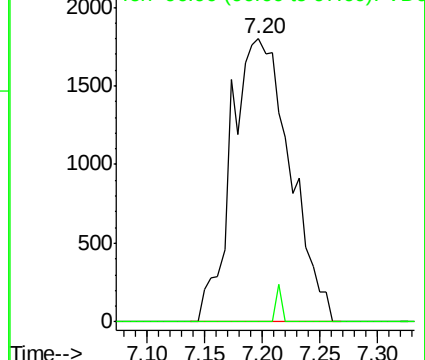
77 100

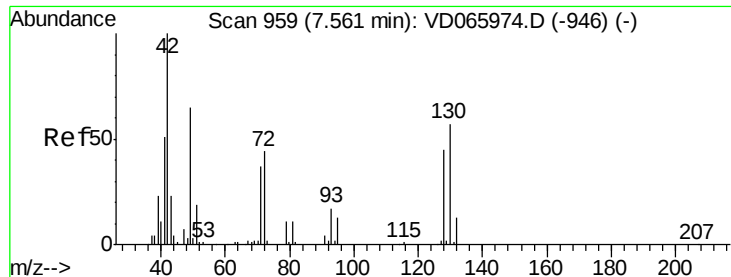
97 1.3 11.6 34.7#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

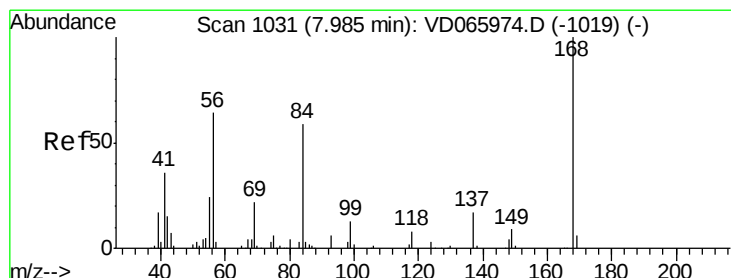
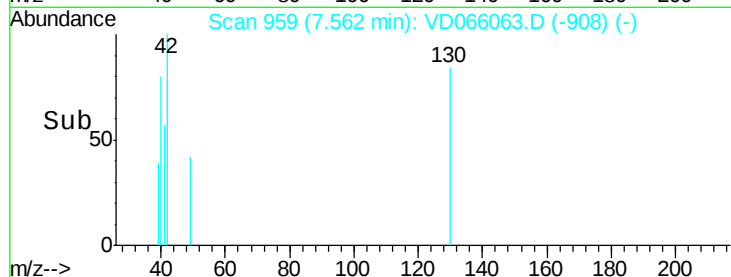
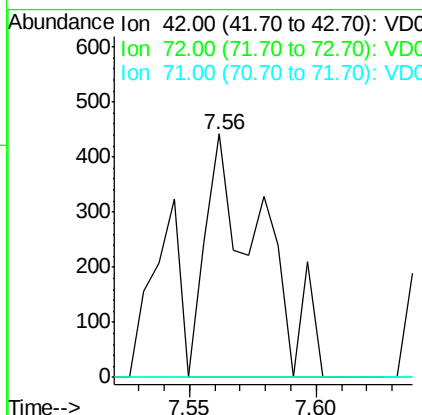
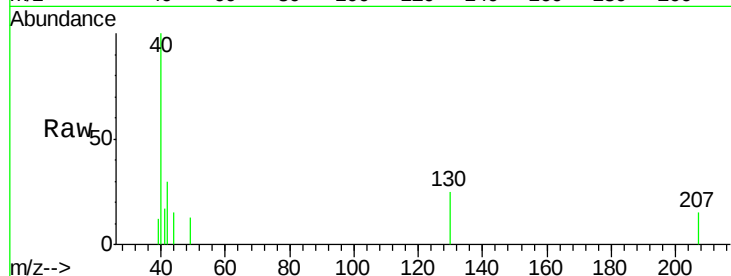




#29
Tetrahydrofuran
Concen: 1.658 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

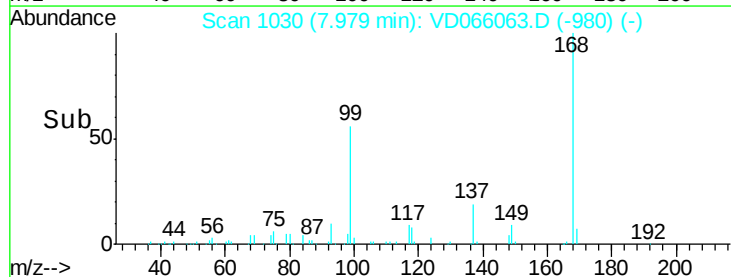
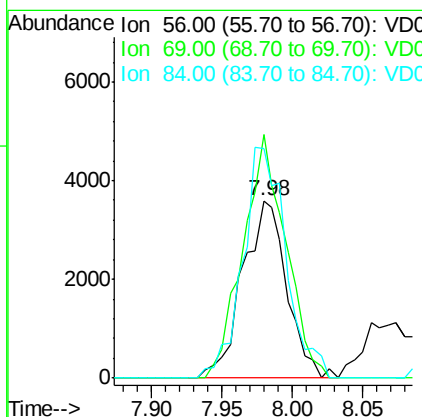
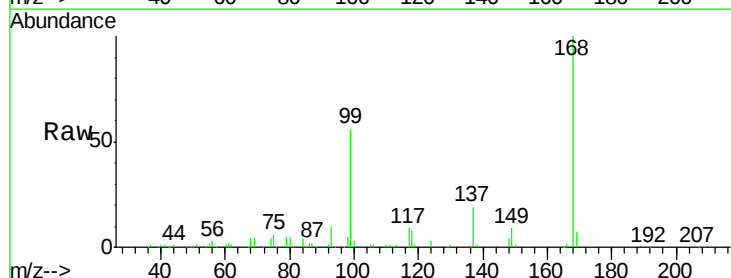
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBL01

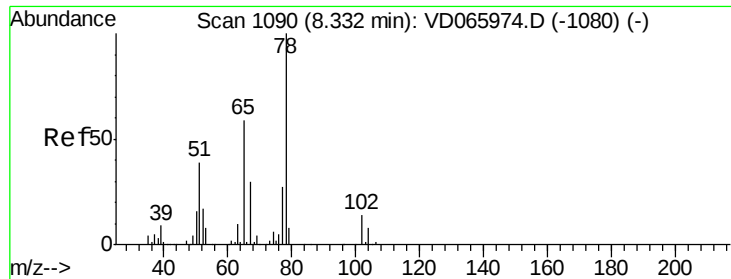
Tgt Ion: 42 Resp: 677
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.771 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

Tgt Ion: 56 Resp: 7849
Ion Ratio Lower Upper
56 100
69 137.3 28.0 42.0#
84 129.8 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.667 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

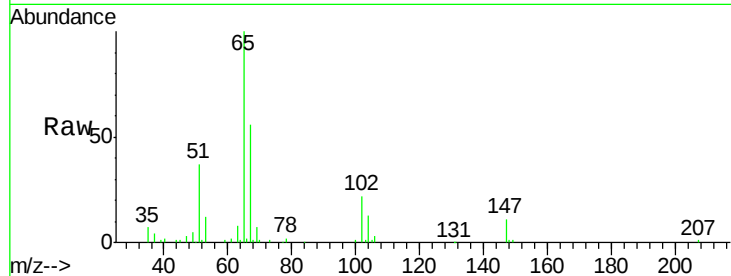
VD0727SBL01

Tgt Ion: 65 Resp: 122352

Ion Ratio Lower Upper

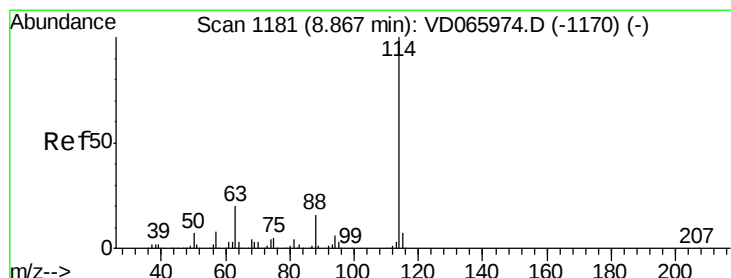
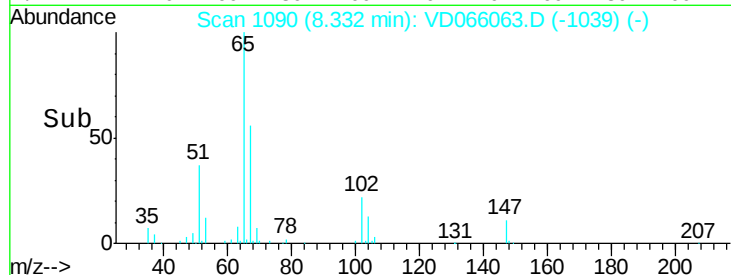
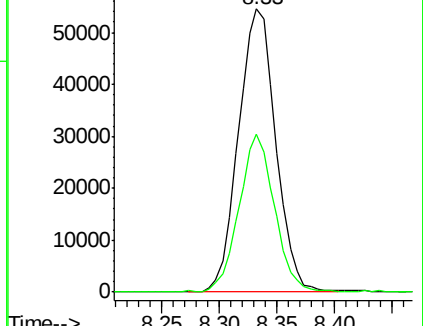
65 100

67 53.1 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: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

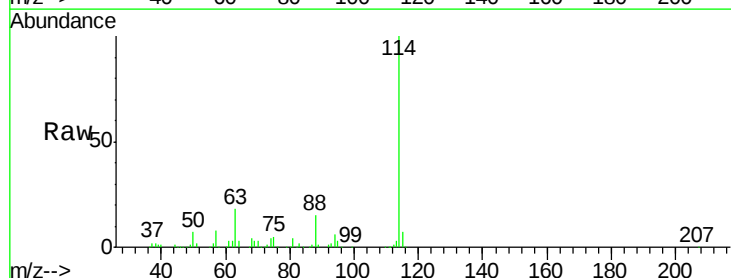
Tgt Ion: 114 Resp: 459734

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

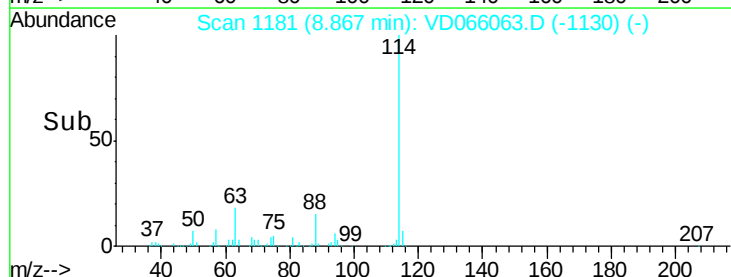
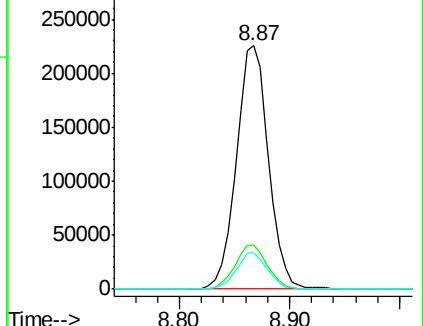
88 14.7 0.0 31.2

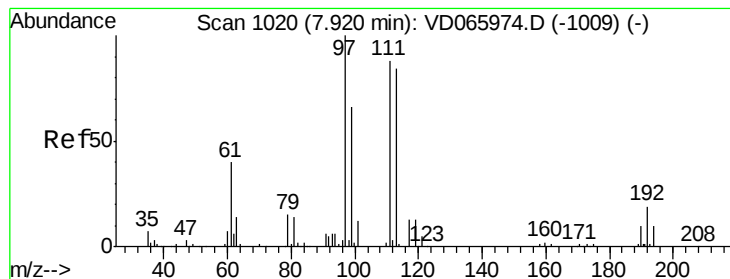


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.436 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBL01

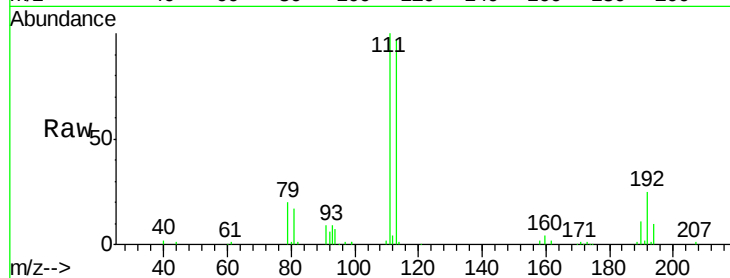
Tgt Ion:113 Resp: 135061

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

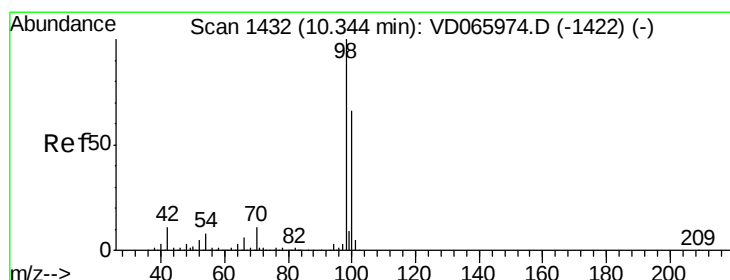
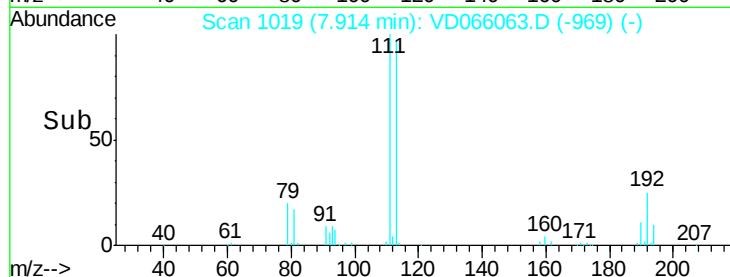
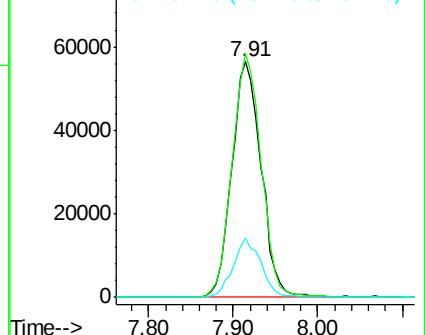
192 23.6 18.7 28.1



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



#50

Toluene-d8

Concen: 52.528 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066063.D

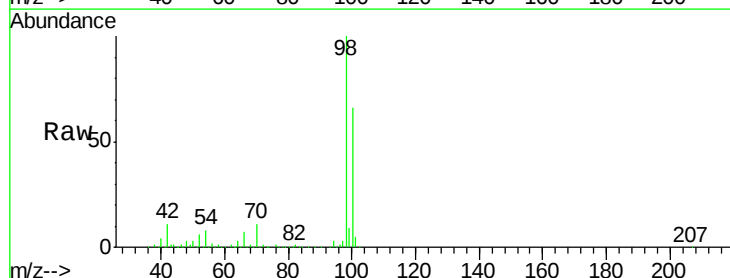
Acq: 27 Jul 2020 12:16

Tgt Ion: 98 Resp: 545638

Ion Ratio Lower Upper

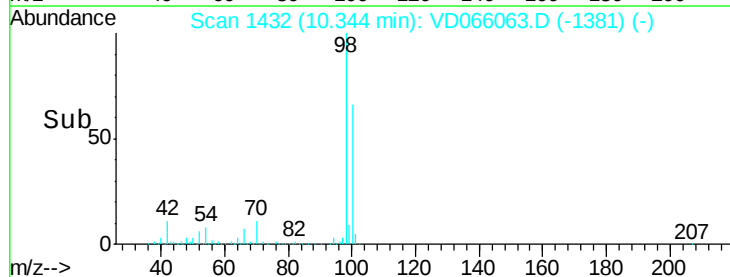
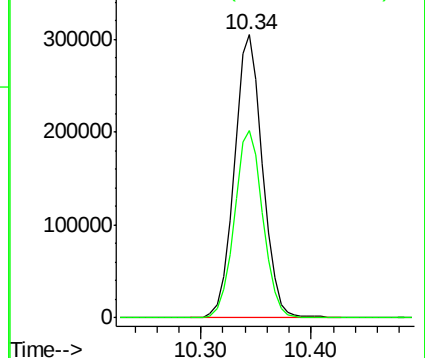
98 100

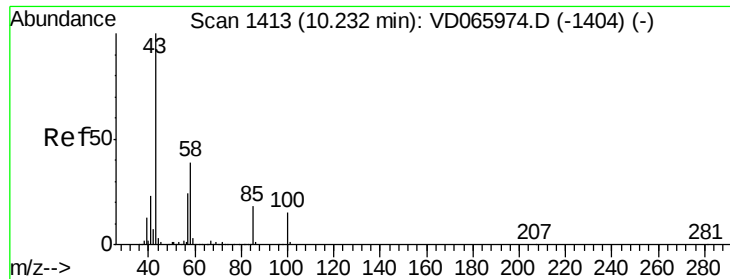
100 67.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

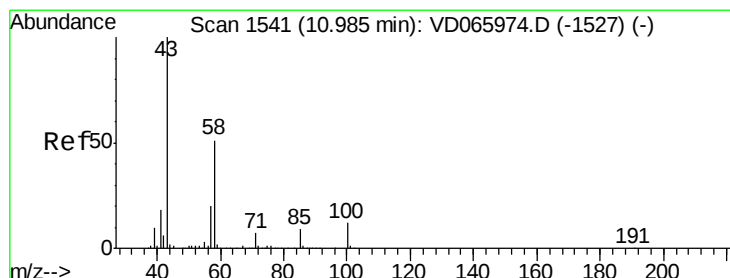
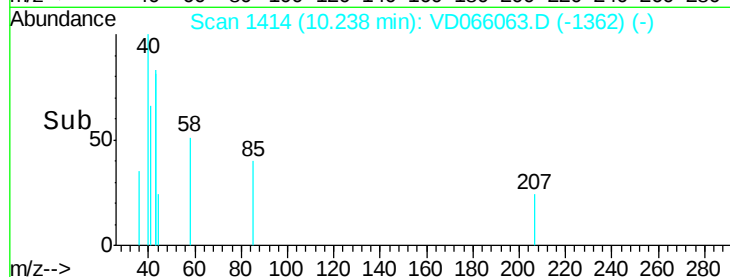
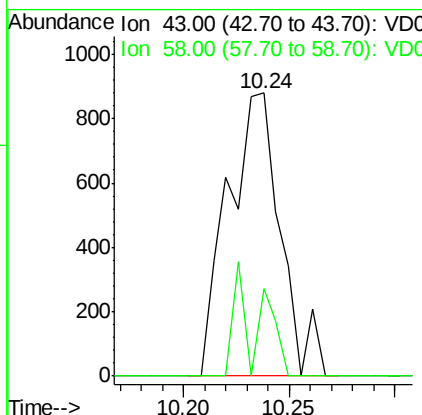
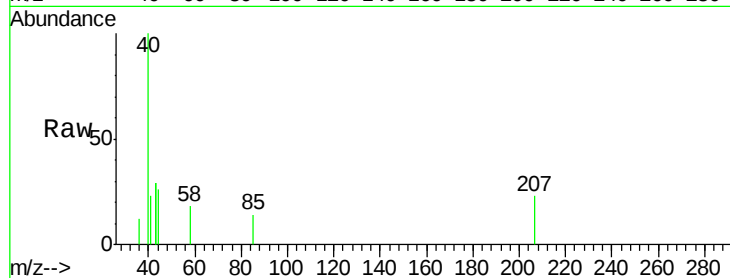




#51
 4-Methyl-2-Pentanone
 Concen: 1.031 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD066063.D
 Acq: 27 Jul 2020 12:16

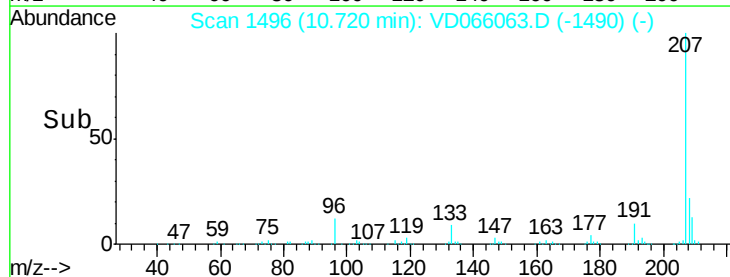
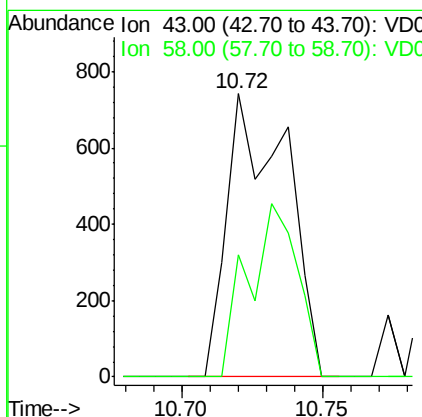
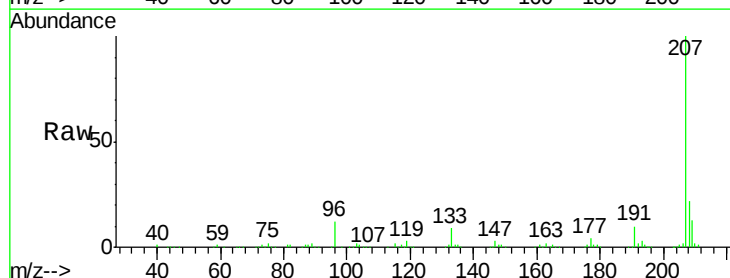
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBL01

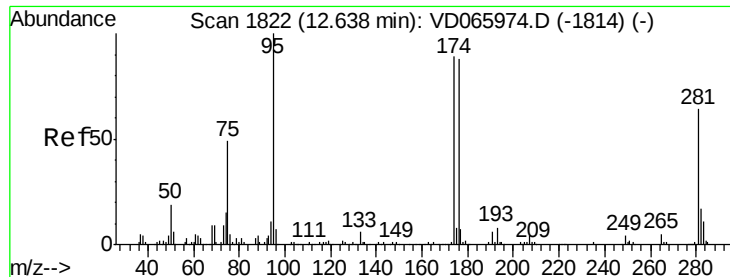
Tgt Ion: 43 Resp: 1520
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.3 46.9#



#59
 2-Hexanone
 Concen: 1.056 ug/l
 RT: 10.72 min Scan# 1496
 Delta R.T. -0.26 min
 Lab File: VD066063.D
 Acq: 27 Jul 2020 12:16

Tgt Ion: 43 Resp: 1079
 Ion Ratio Lower Upper
 43 100
 58 51.2 26.2 78.6

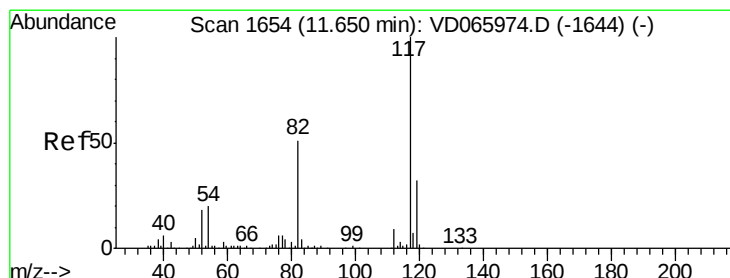
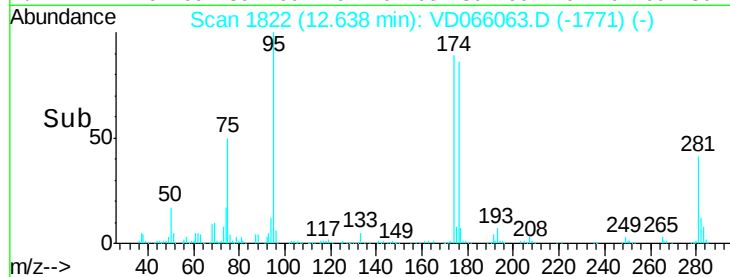
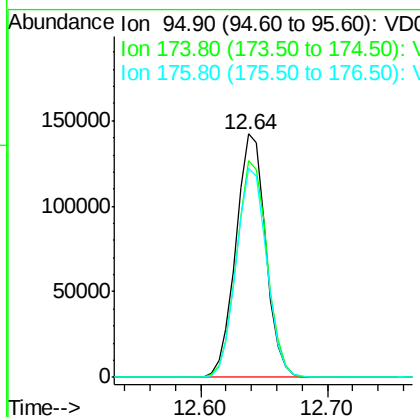
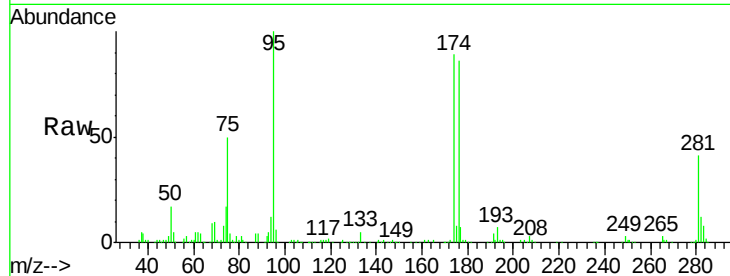




#62
4-Bromofluorobenzene
Concen: 64.150 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

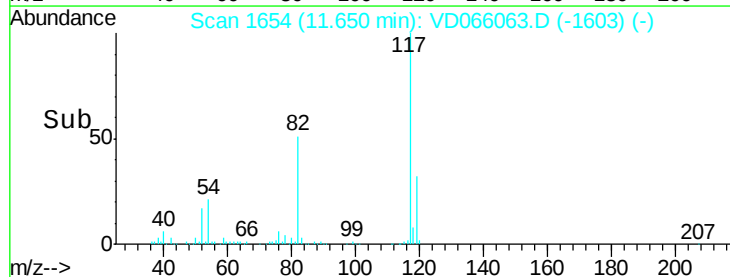
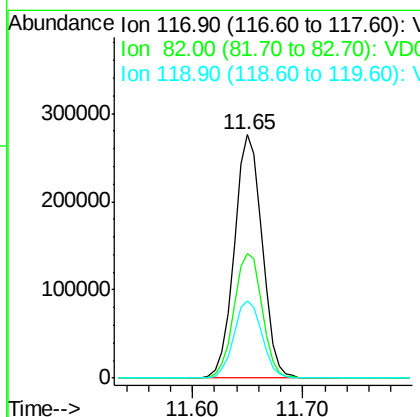
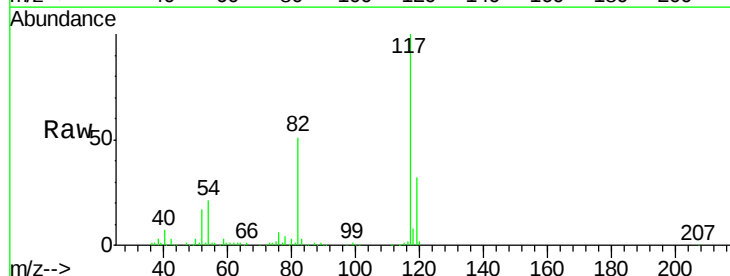
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBL01

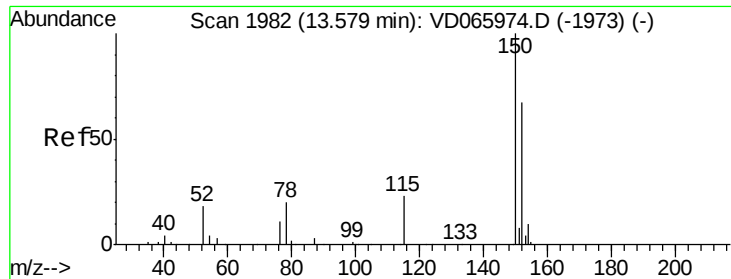
Tgt Ion: 95 Resp: 231056
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.8
176 87.6 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

Tgt Ion: 117 Resp: 488264
Ion Ratio Lower Upper
117 100
82 51.4 41.1 61.7
119 31.8 25.9 38.9



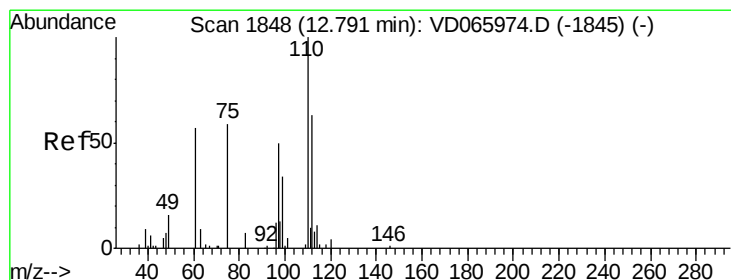
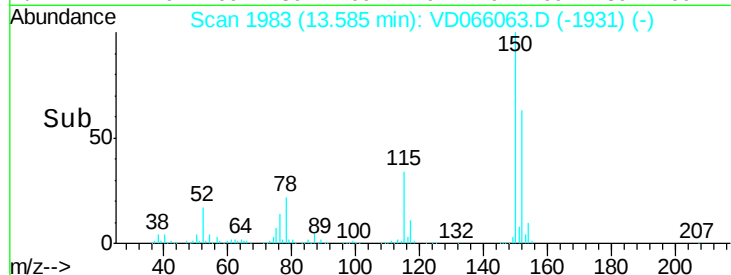
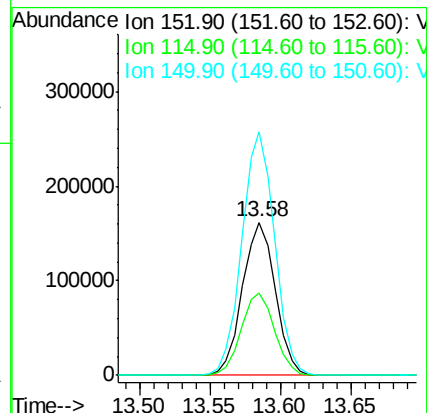
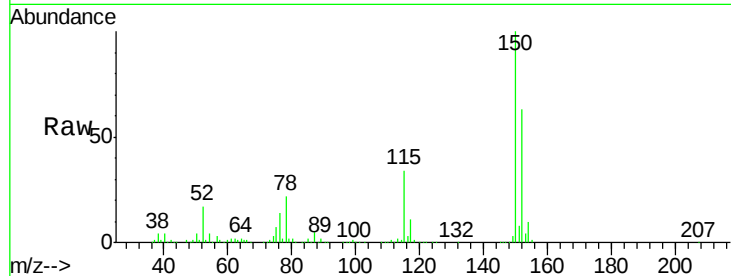


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBL01

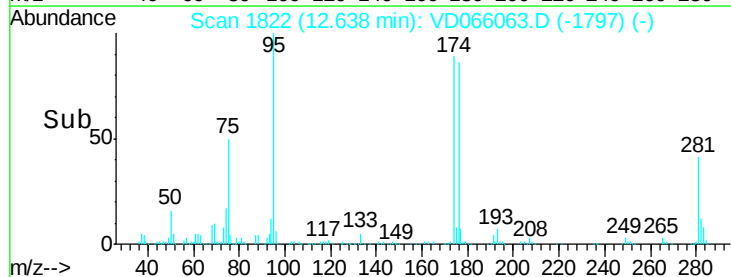
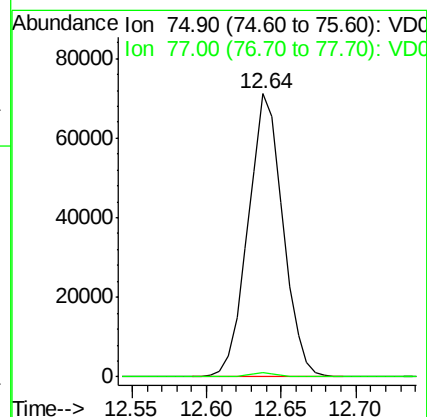
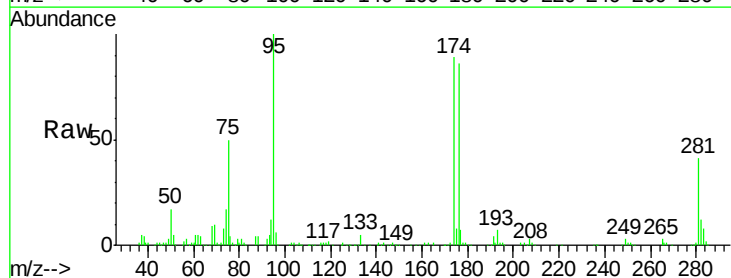
Tgt Ion:152 Resp: 264626
Ion Ratio Lower Upper
152 100
115 54.5 27.9 83.7
150 158.0 0.0 348.2

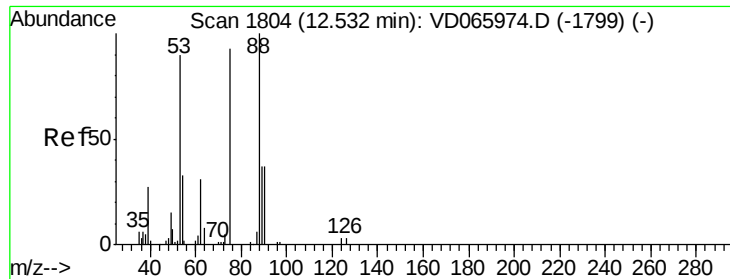


#76

1,2,3-Trichloropropane
Concen: 57.472 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD066063.D
Acq: 27 Jul 2020 12:16

Tgt Ion: 75 Resp: 114512
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 131.877 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBL01

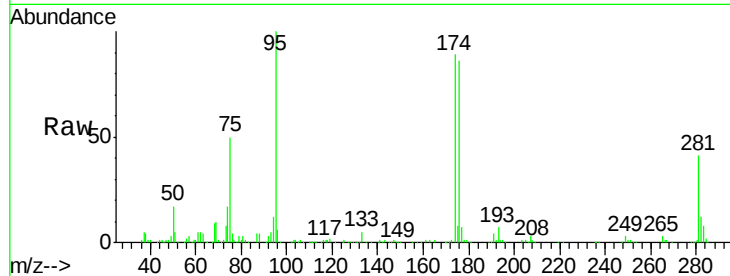
Tgt Ion: 75 Resp: 114512

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

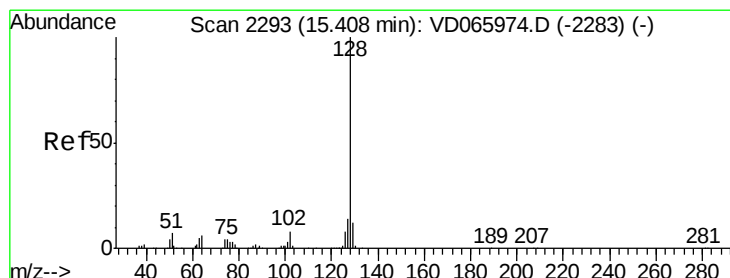
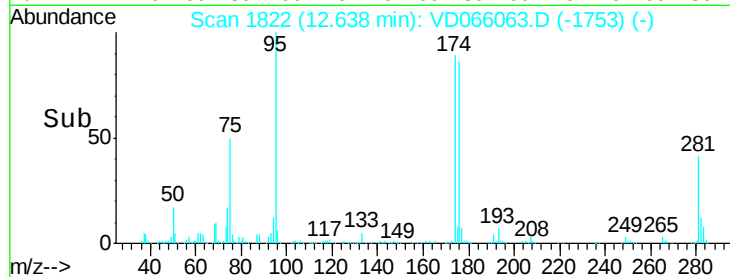
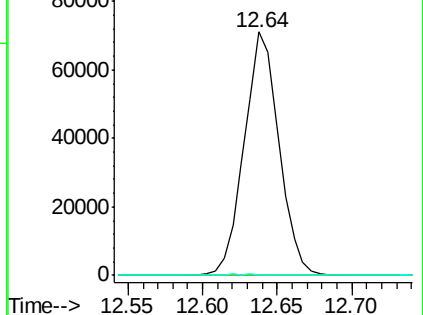
89 0.2 37.0 55.4#



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: 3.990 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066063.D

Acq: 27 Jul 2020 12:16

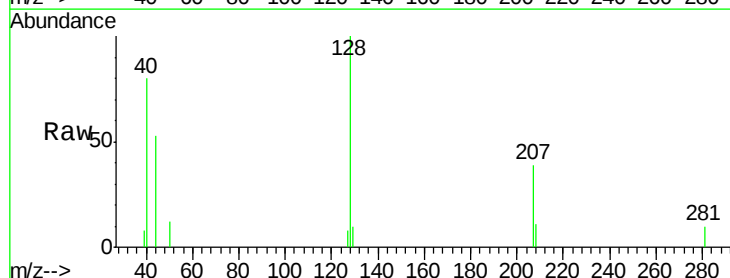
Tgt Ion: 128 Resp: 4005

Ion Ratio Lower Upper

128 100

127 7.0 10.8 16.2#

129 6.8 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

