

Data File : VD065040.D
Acq On : 31 Jan 2020 18:13
Operator : VA/SY
Sample : L1345-04
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
01-31-D

Quant Time: Feb 03 00:25:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	8626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	12367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	12245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	5451	65.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.76%	
35) Dibromofluoromethane	7.92	113	4465	57.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.90%	
50) Toluene-d8	10.34	98	14188	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.64	95	5073	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	

Target Compounds

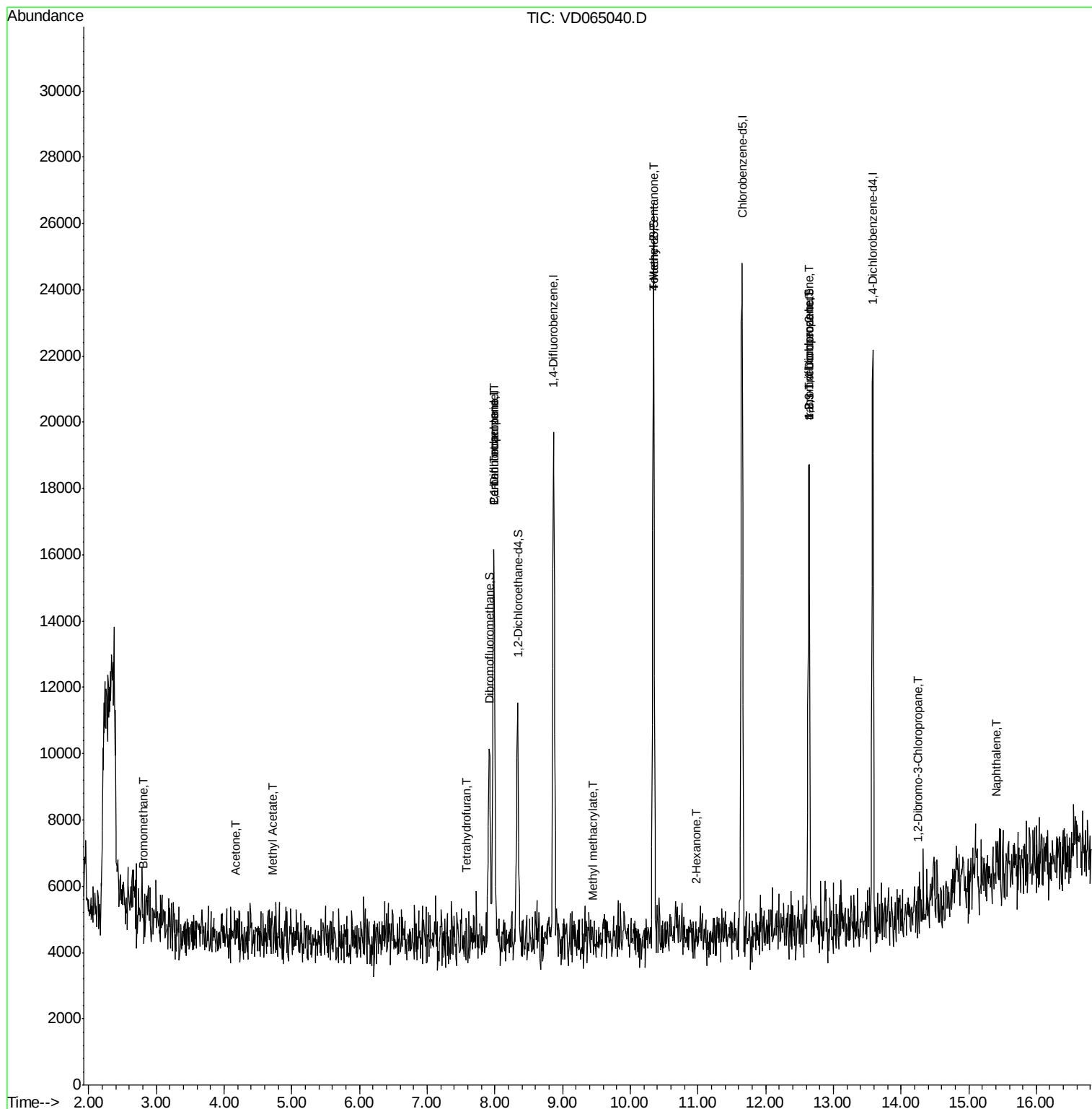
						Qvalue
5) Bromomethane	2.81	94	98	1.332	ug/l #	72
16) Acetone	4.17	43	132	19.215	ug/l #	45
18) Methyl Acetate	4.72	43	60	1.548	ug/l #	51
20) Methylene Chloride	4.98	84	119	Below Cal	#	29
29) Tetrahydrofuran	7.58	42	56	4.060	ug/l #	34
36) 1,1-Dichloropropene	7.99	75	620	5.199	ug/l #	42
38) Carbon Tetrachloride	7.98	117	847	6.720	ug/l #	14
48) Methyl methacrylate	9.45	41	66	1.533	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	84	1.794	ug/l #	37
59) 2-Hexanone	10.98	43	68	2.106	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	2996	72.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	2996	154.332	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	54	5.882	ug/l #	1
95) Naphthalene	15.41	128	621	4.088	ug/l #	68

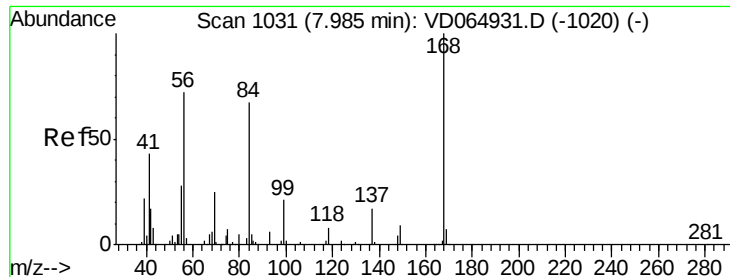
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

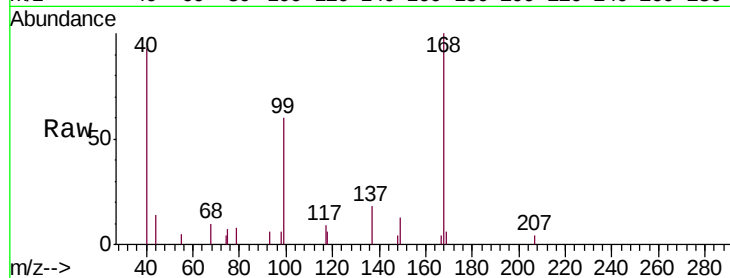
01-31-D

Tgt Ion:168 Resp: 8626

Ion Ratio Lower Upper

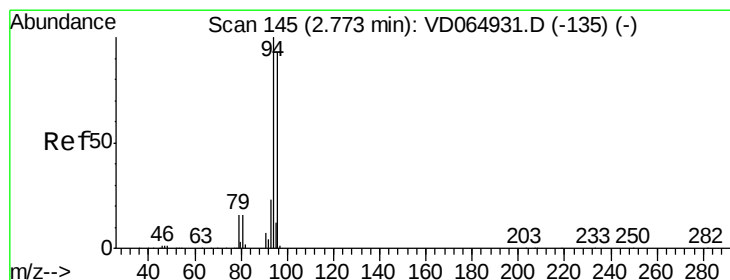
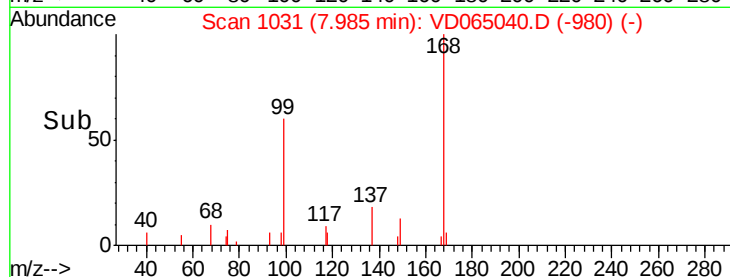
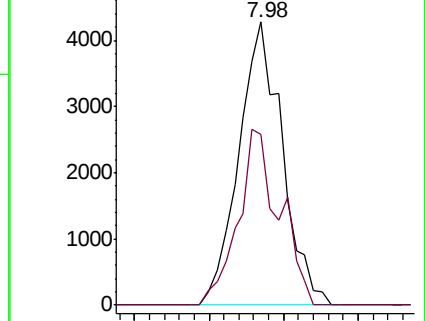
168 100

99 60.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.332 ug/l

RT: 2.81 min Scan# 151

Delta R.T. 0.04 min

Lab File: VD065040.D

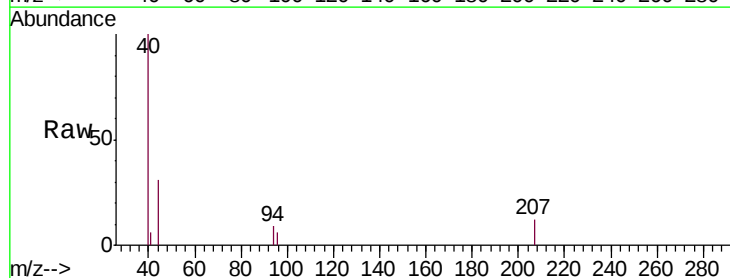
Acq: 31 Jan 2020 18:13

Tgt Ion: 94 Resp: 98

Ion Ratio Lower Upper

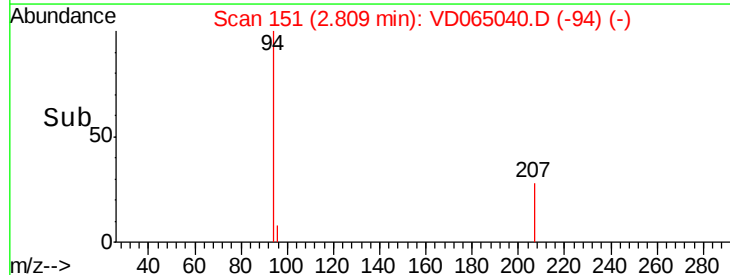
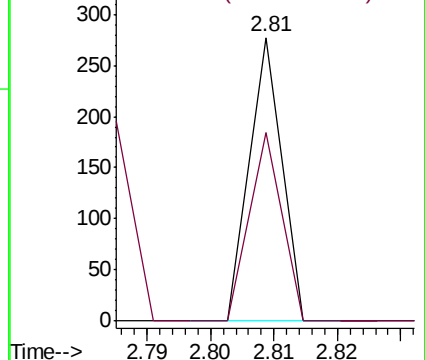
94 100

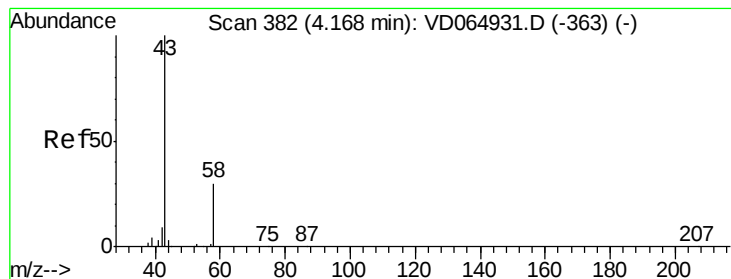
96 66.2 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 19.215 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

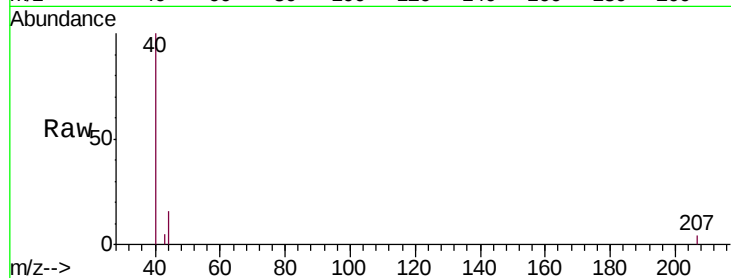
01-31-D

Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

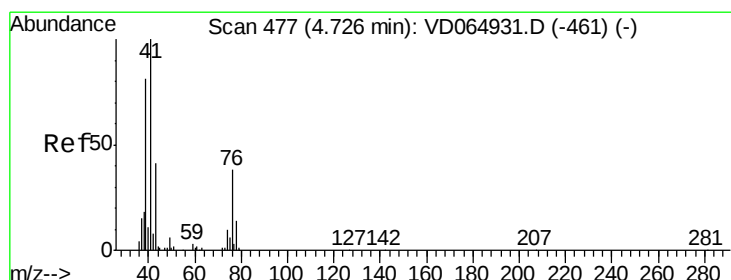
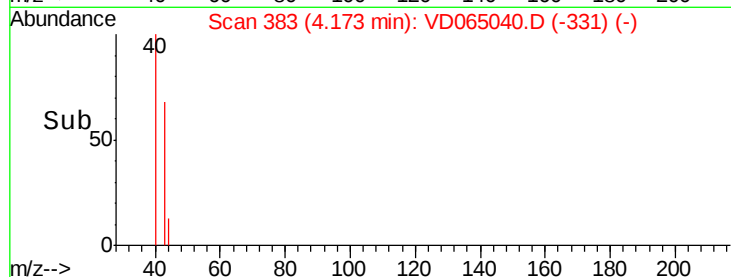
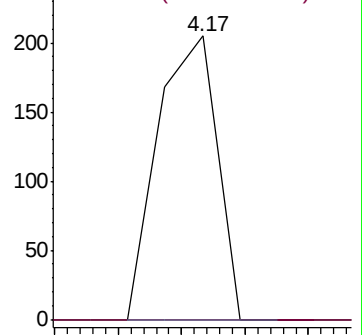
43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 1.548 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065040.D

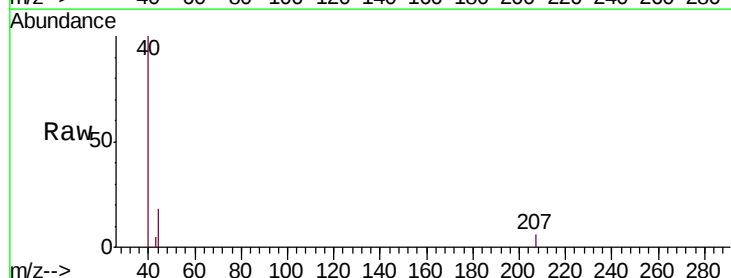
Acq: 31 Jan 2020 18:13

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

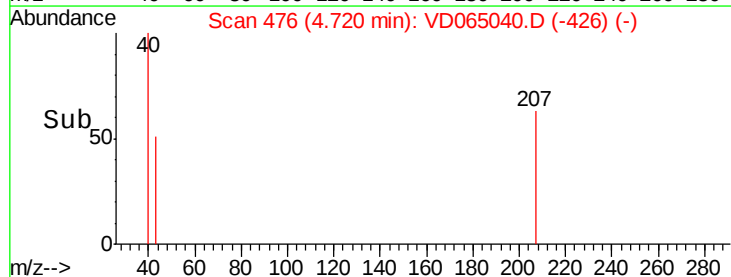
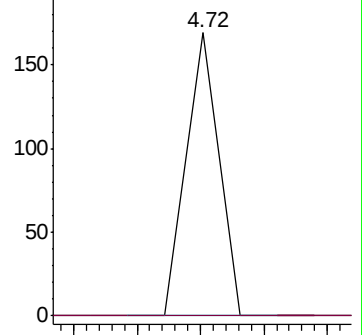
43 100

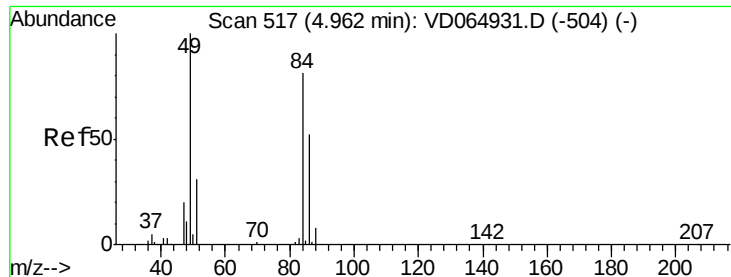
74 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

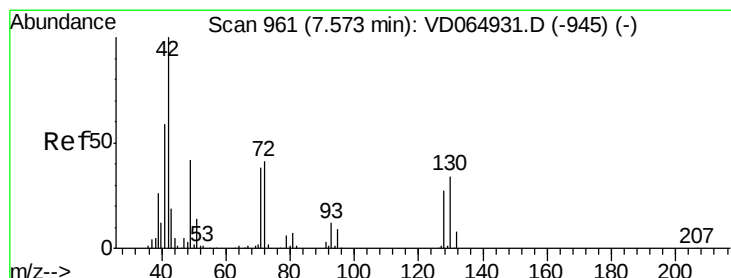
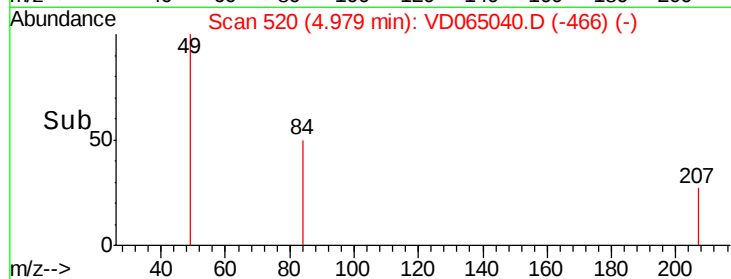
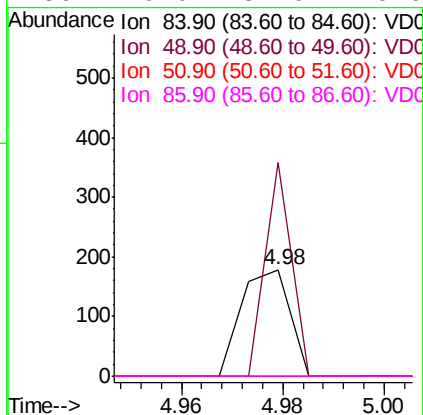
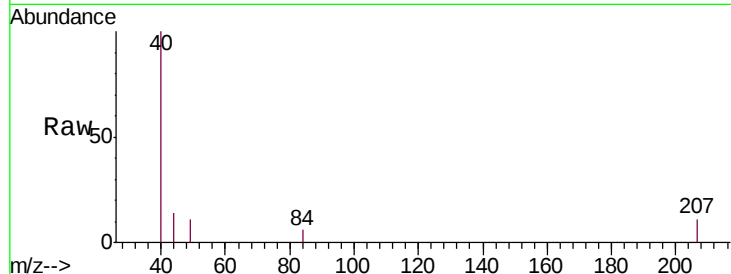




#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

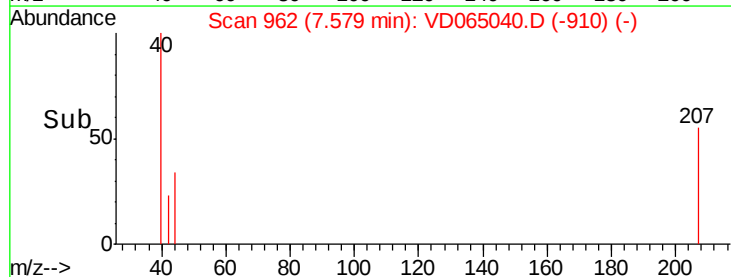
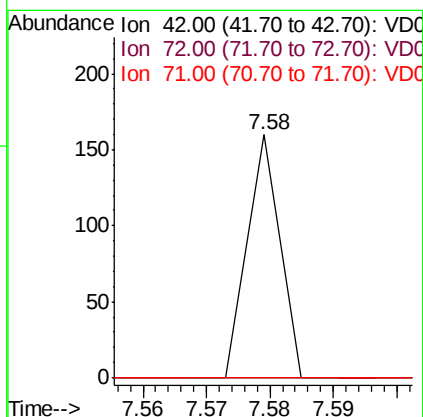
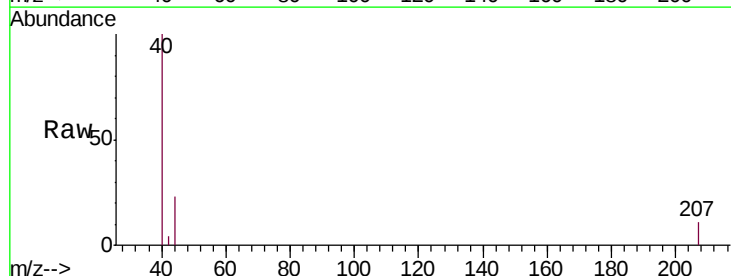
Instrument :
MSVOA_D
ClientSampleId :
01-31-D

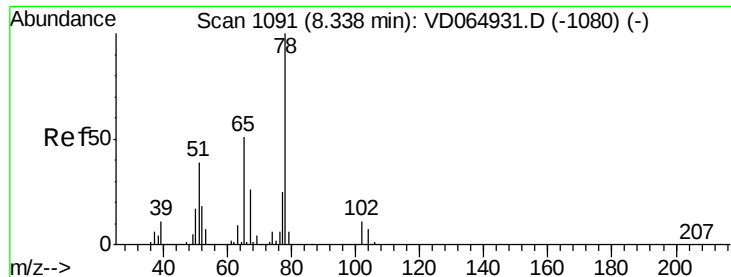
Tgt Ion: 84 Resp: 119
Ion Ratio Lower Upper
84 100
49 200.0 98.4 147.6#
51 0.0 30.8 46.2#
86 0.0 51.0 76.6#



#29
Tetrahydrofuran
Concen: 4.060 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#

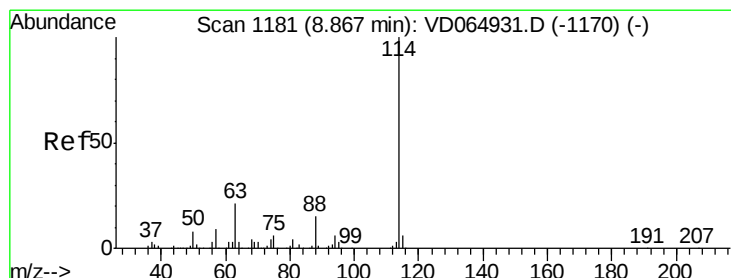
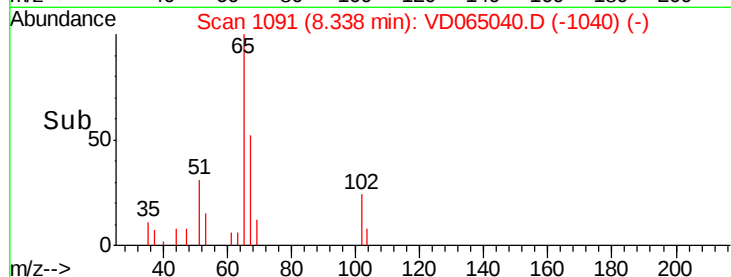
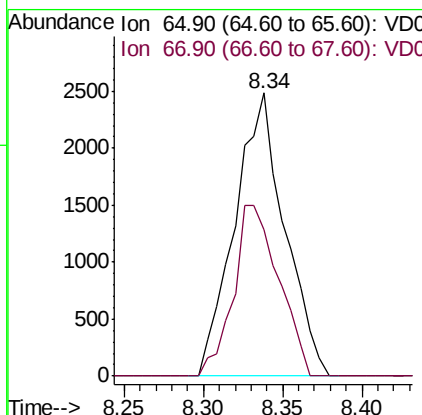
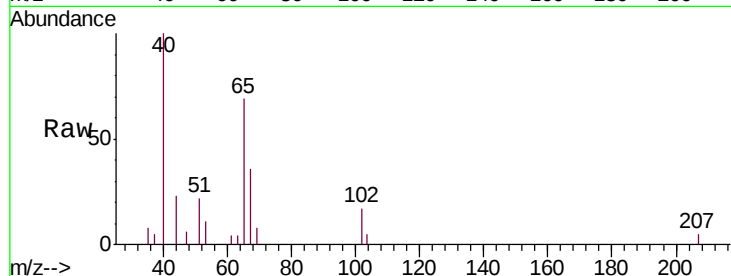




#33
 1,2-Dichloroethane-d4
 Concen: 65.879 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065040.D
 Acq: 31 Jan 2020 18:13

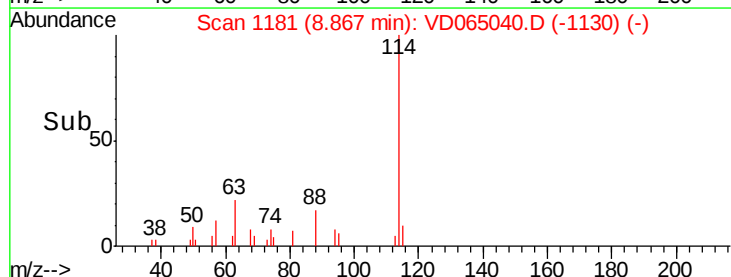
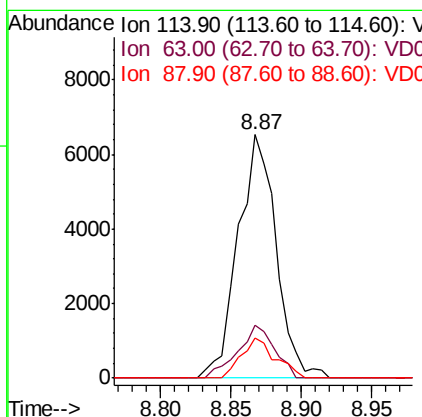
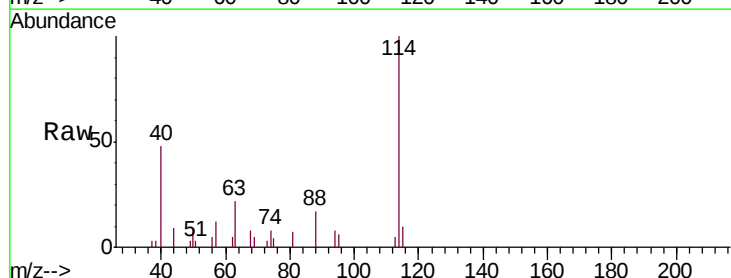
Instrument :
 MSVOA_D
 ClientSampled :
 01-31-D

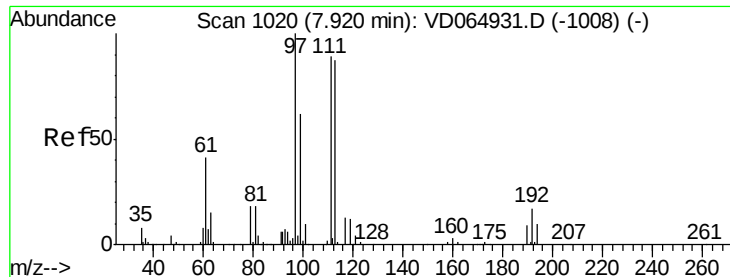
Tgt Ion: 65 Resp: 5451
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065040.D
 Acq: 31 Jan 2020 18:13

Tgt Ion: 114 Resp: 12367
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.0
 88 16.7 0.0 29.4

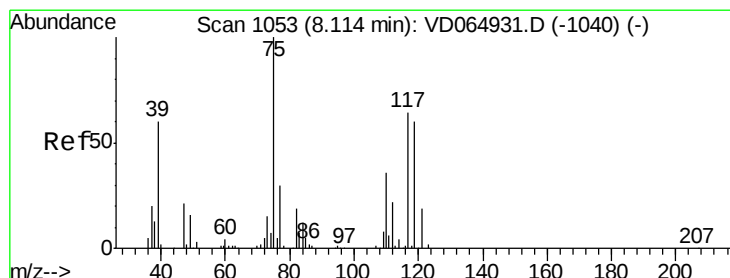
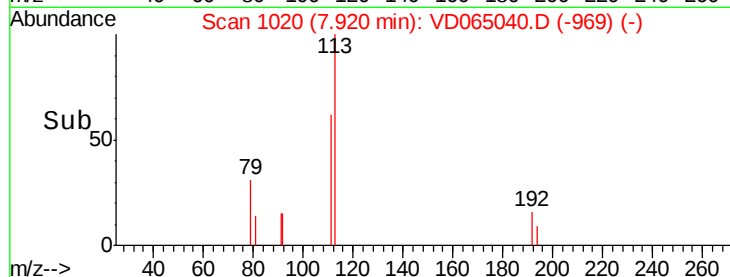
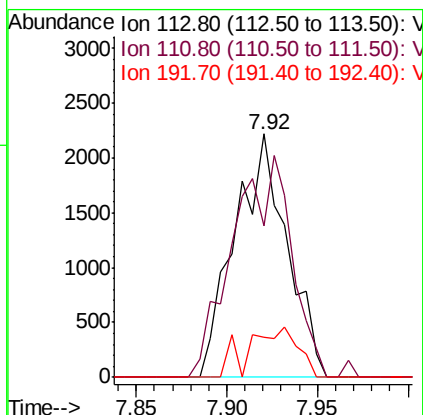
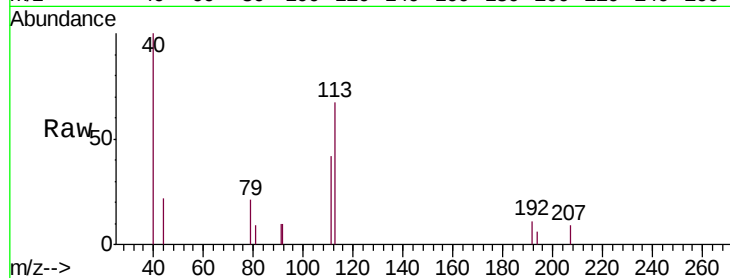




#35
 Dibromofluoromethane
 Concen: 57.453 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065040.D
 Acq: 31 Jan 2020 18:13

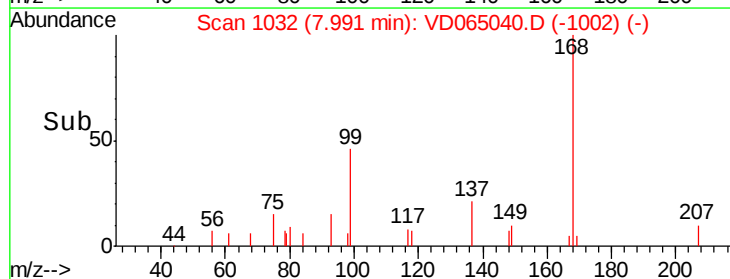
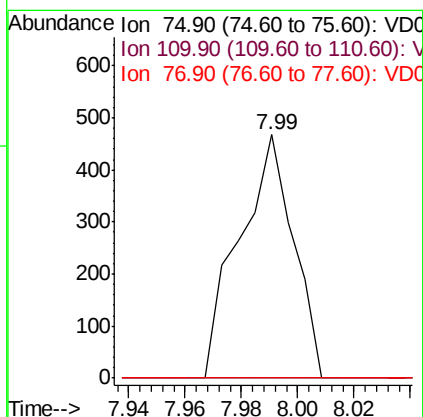
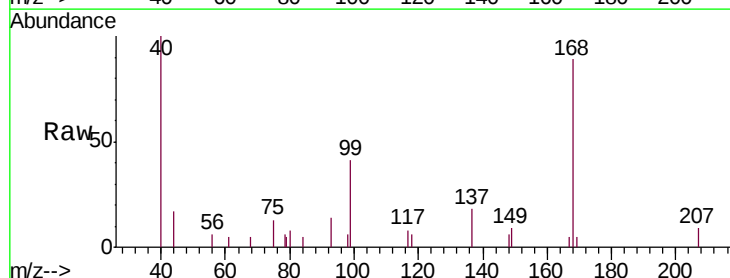
Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-D

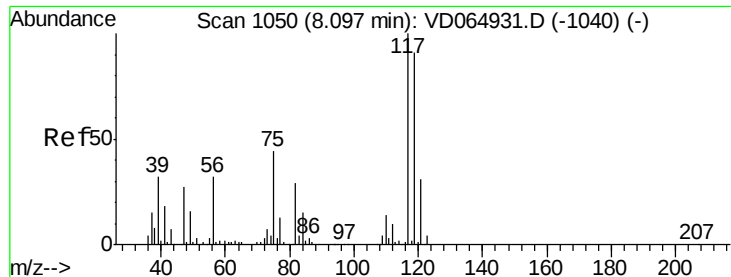
Tgt Ion	Ratio	Lower	Upper
113	100		
111	60.0	82.4	123.6#
192	19.4	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 5.199 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD065040.D
 Acq: 31 Jan 2020 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	52.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.720 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

01-31-D

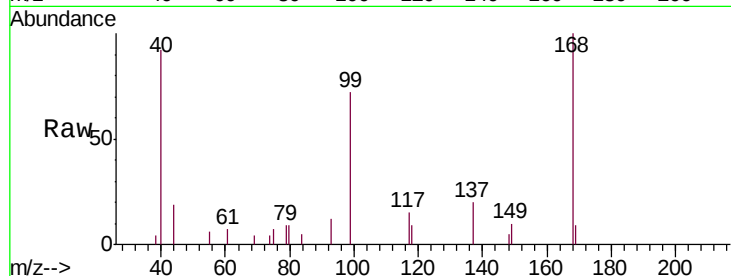
Tgt Ion:117 Resp: 847

Ion Ratio Lower Upper

117 100

119 0.0 73.2 109.8#

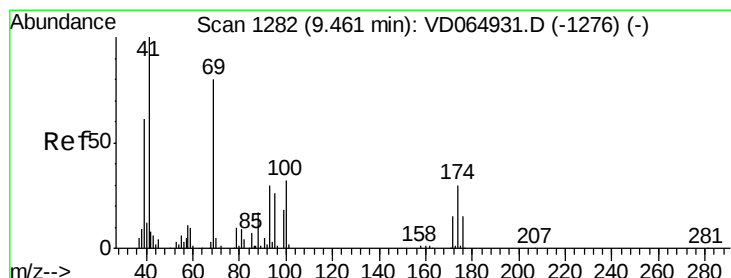
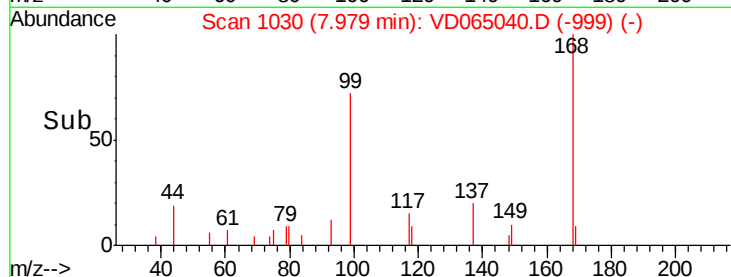
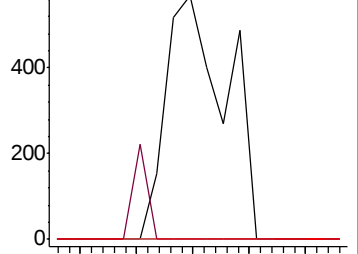
121 0.0 24.4 36.6#



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



#48

Methyl methacrylate

Concen: 1.533 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

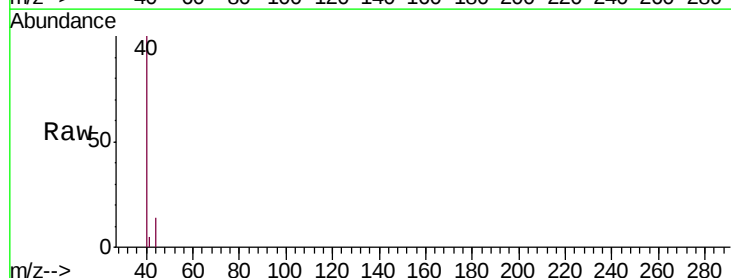
Tgt Ion: 41 Resp: 66

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

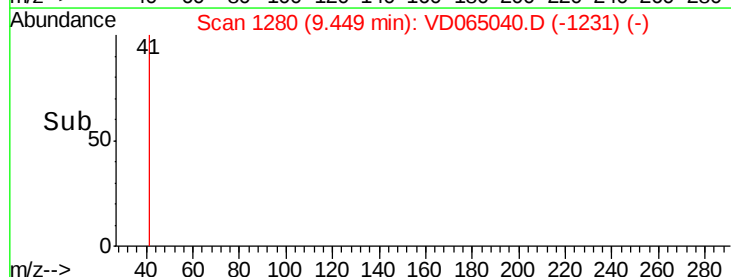
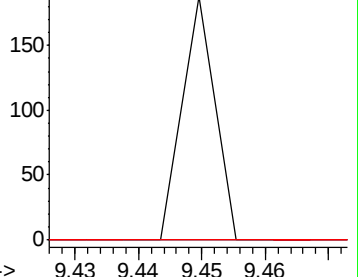
39 0.0 49.4 74.0#

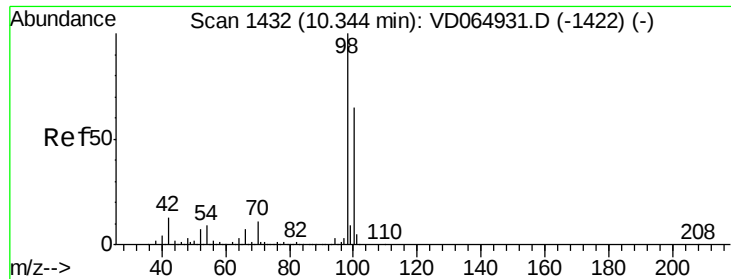


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#50

Toluene-d8

Concen: 47.301 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

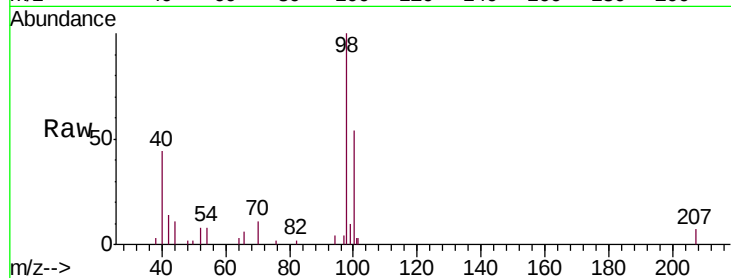
01-31-D

Tgt Ion: 98 Resp: 14188

Ion Ratio Lower Upper

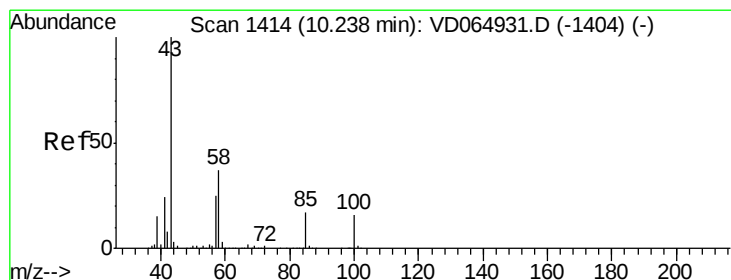
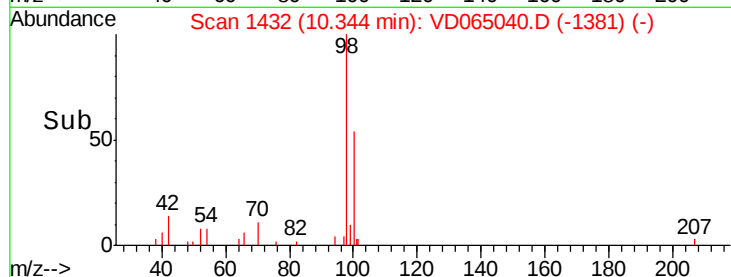
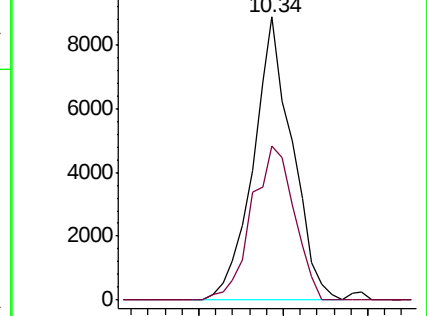
98 100

100 59.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.794 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD065040.D

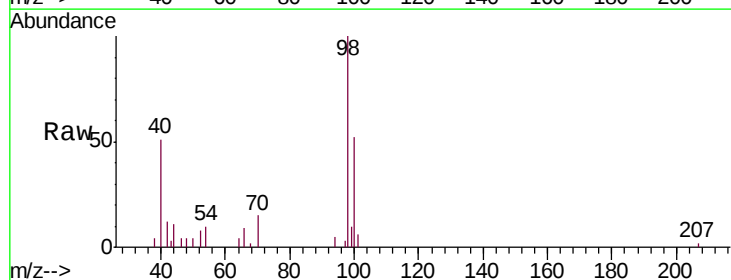
Acq: 31 Jan 2020 18:13

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

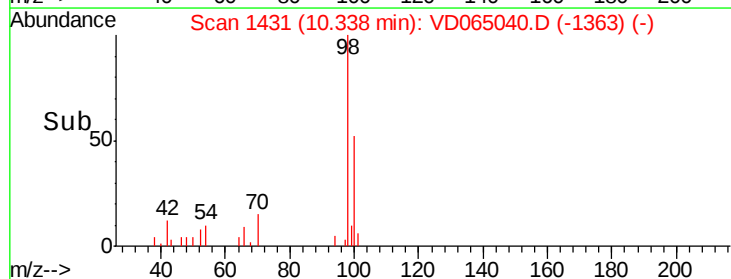
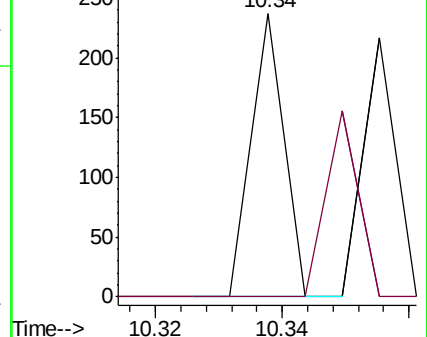
43 100

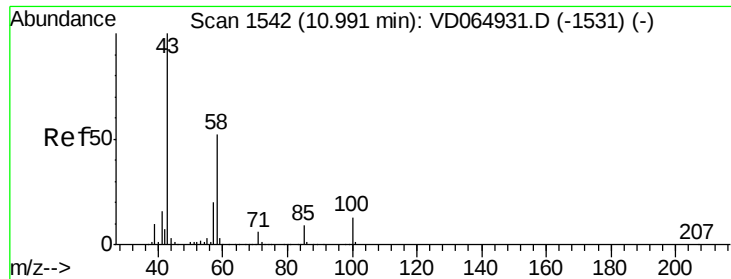
58 0.0 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

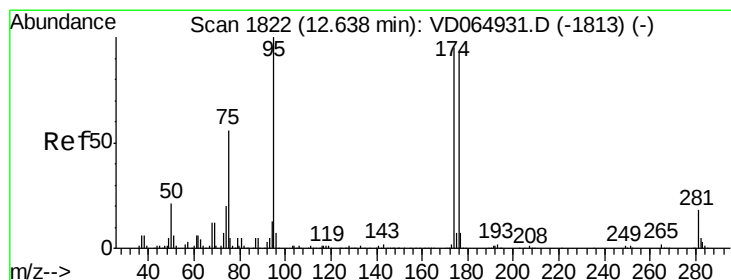
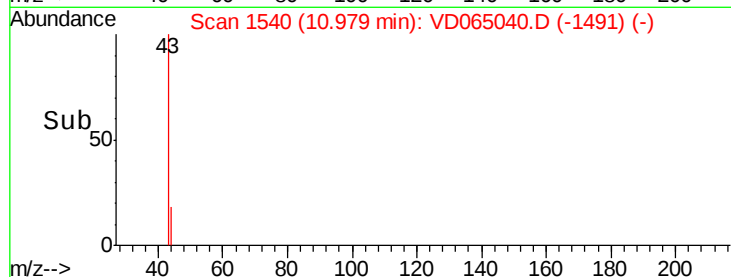
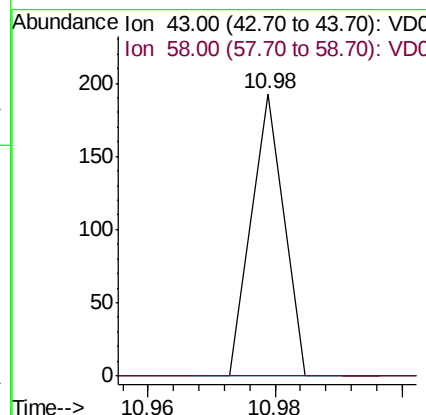
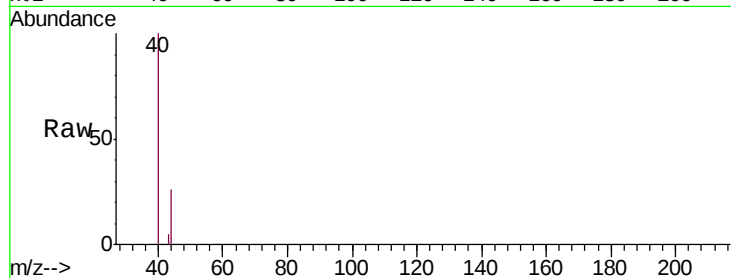




#59
2-Hexanone
Concen: 2.106 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

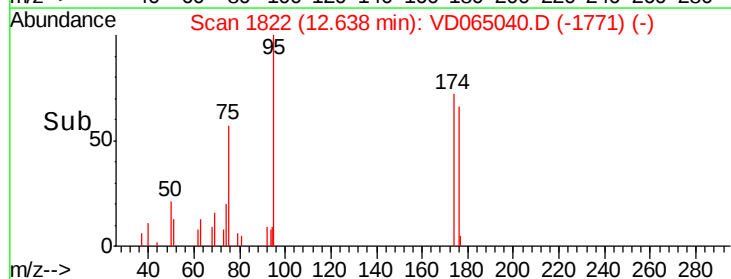
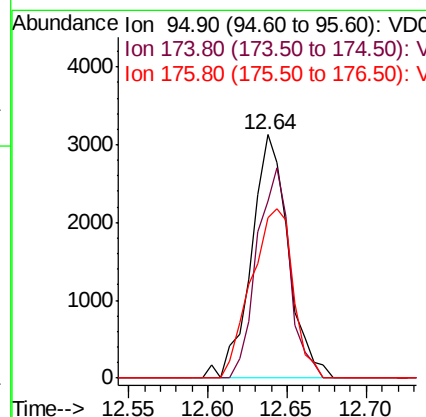
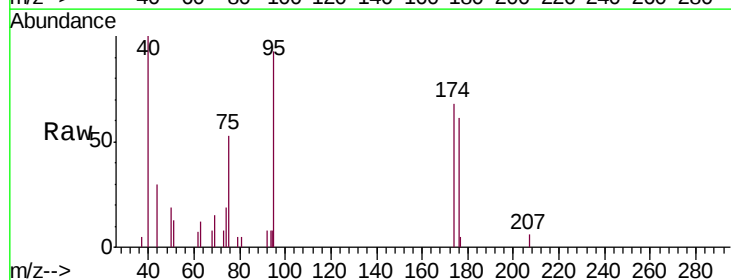
Instrument :
MSVOA_D
ClientSampleId :
01-31-D

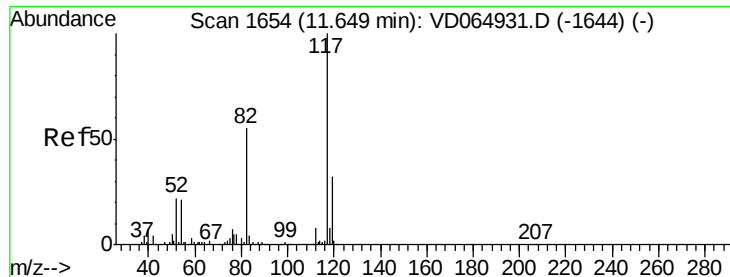
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 55.266 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

Tgt Ion: 95 Resp: 5073
Ion Ratio Lower Upper
95 100
174 77.3 0.0 186.8
176 79.0 0.0 183.4

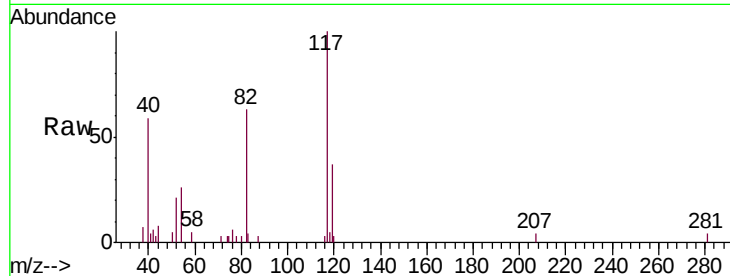




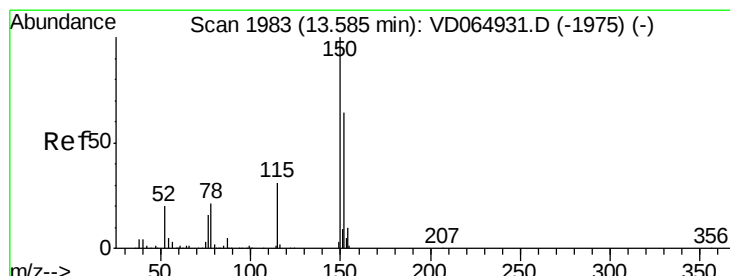
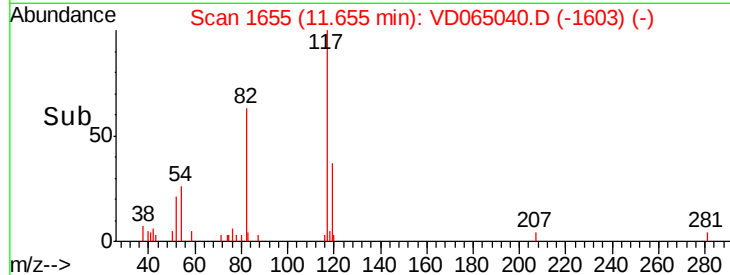
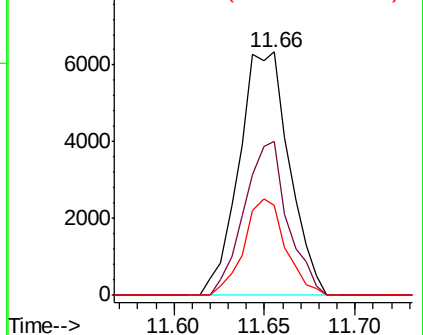
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

Instrument :
MSVOA_D
ClientSampleId :
01-31-D

Tgt Ion:117 Resp: 12245
Ion Ratio Lower Upper
117 100
82 63.3 43.6 65.4
119 37.2 25.2 37.8

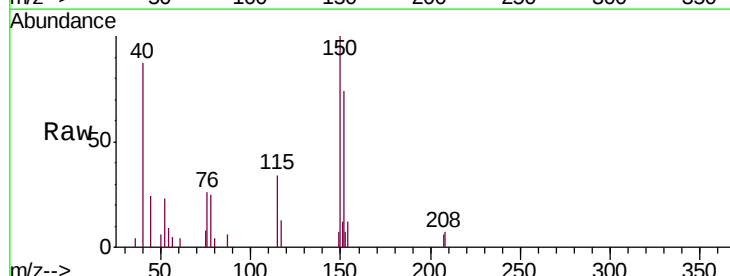


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

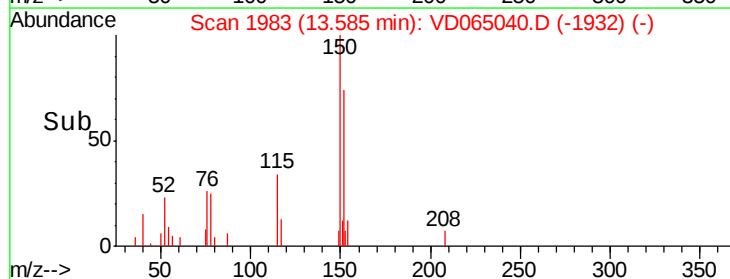
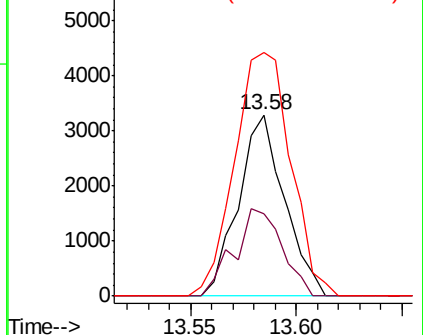


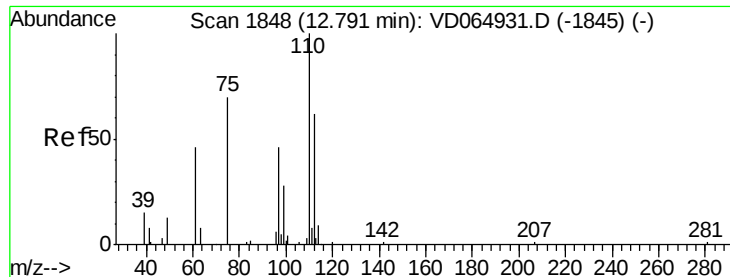
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065040.D
Acq: 31 Jan 2020 18:13

Tgt Ion:152 Resp: 4994
Ion Ratio Lower Upper
152 100
115 50.0 28.1 84.4
150 163.3 0.0 350.4



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: 72.279 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

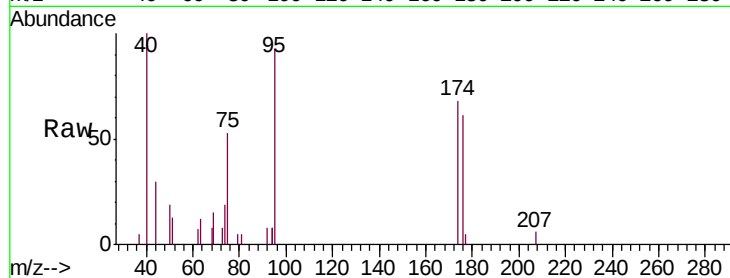
01-31-D

Tgt Ion: 75 Resp: 2996

Ion Ratio Lower Upper

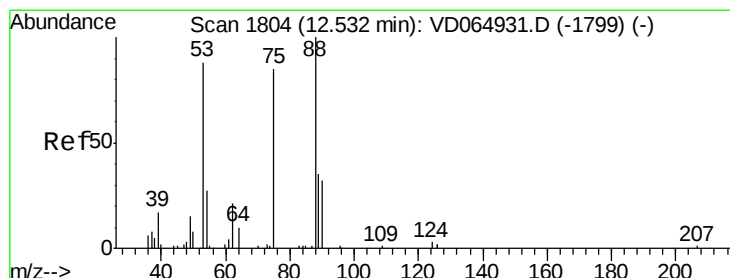
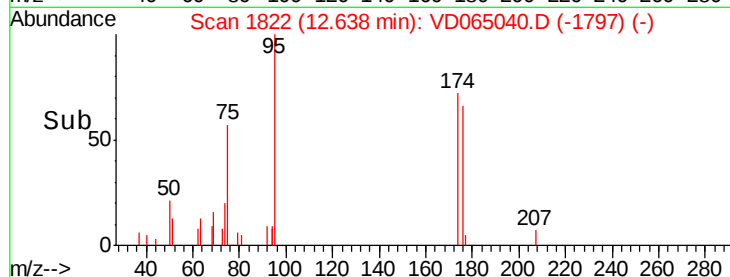
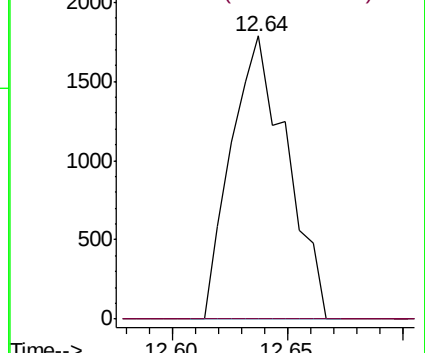
75 100

77 0.0 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: 154.332 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

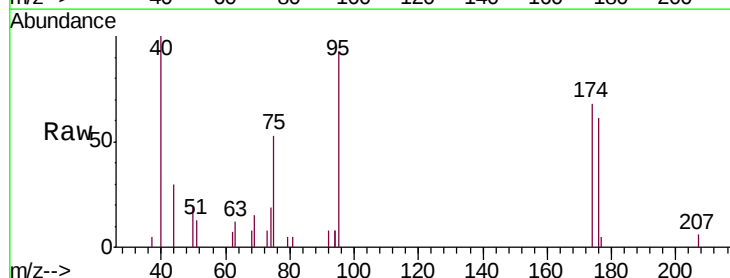
Tgt Ion: 75 Resp: 2996

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

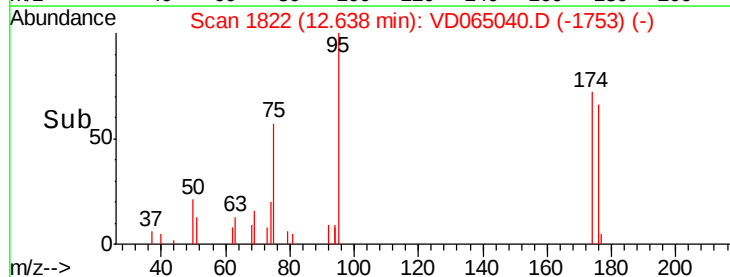
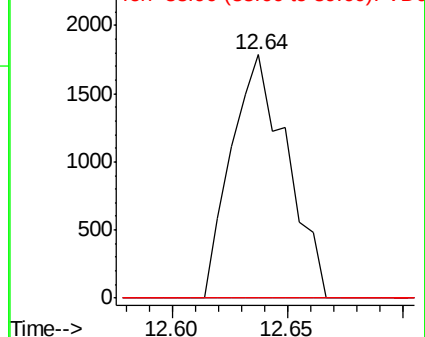
89 0.0 36.2 54.4#

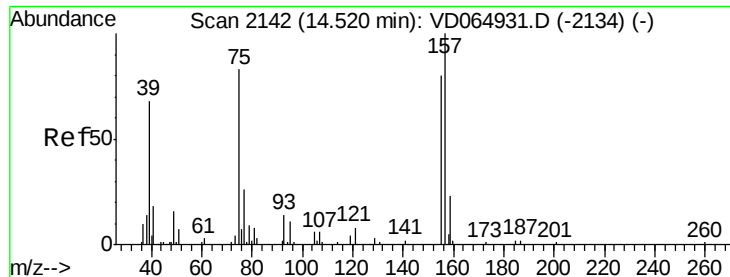


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.882 ug/l

RT: 14.26 min Scan# 2097

Delta R.T. -0.26 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

01-31-D

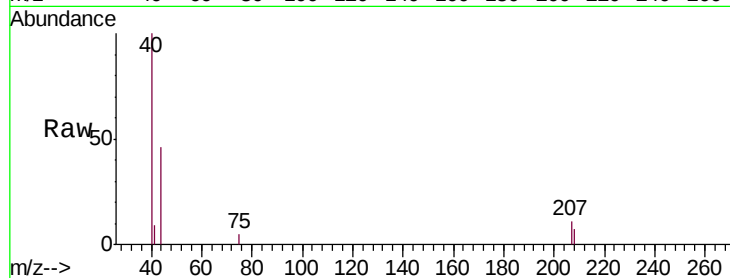
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.7#

157 0.0 58.9 176.6#



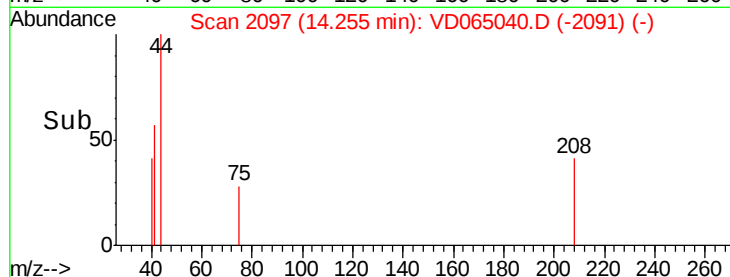
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

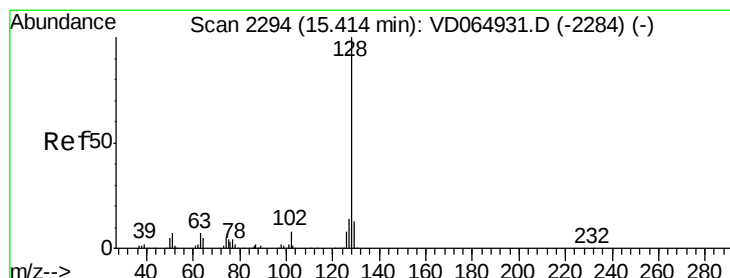
Ion 156.80 (156.50 to 157.50): V

14.26

14.24 14.26



Time-->



#95

Naphthalene

Concen: 4.088 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065040.D

Acq: 31 Jan 2020 18:13

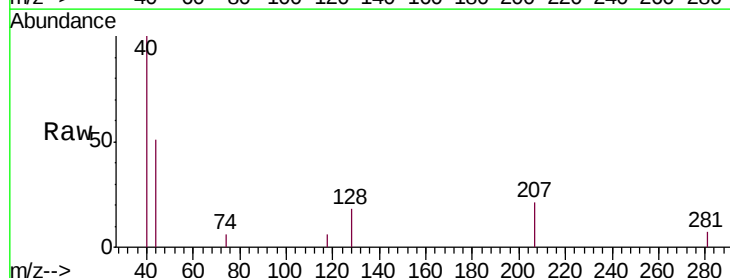
Tgt Ion: 128 Resp: 621

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 9.3 13.9#



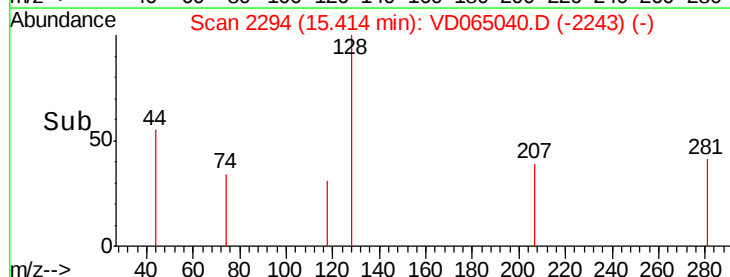
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.41

15.40 15.45



Time-->