

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064029.D
 Acq On : 23 Oct 2019 19:08
 Operator : VA/SY
 Sample : K5497-18
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:59:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	6851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	12032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	11197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	5830	87.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	174.82%	
35) Dibromofluoromethane	7.91	113	4321	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
50) Toluene-d8	10.34	98	14728	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	3914	37.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	119	2.449	ug/l #	47
5) Bromomethane	2.79	94	144	1.426	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	58	1.009	ug/l #	16
11) Tert butyl alcohol	5.34	59	122	18.915	ug/l #	1
13) Acrolein	3.80	56	64	10.743	ug/l #	17
15) Acrylonitrile	5.41	53	60	4.084	ug/l #	17
16) Acetone	4.12	43	234	13.475	ug/l #	42
18) Methyl Acetate	4.74	43	63	1.855	ug/l #	49
20) Methylene Chloride	4.94	84	337	1.451	ug/l #	32
23) Vinyl Acetate	6.24	43	139	1.198	ug/l #	71
25) 2-Butanone	7.24	43	147	7.143	ug/l #	51
28) Bromochloromethane	7.57	49	70	3.340	ug/l #	10
29) Tetrahydrofuran	7.59	42	64	5.328	ug/l #	29
31) Cyclohexane	8.02	56	133	Below Cal	#	12
38) Carbon Tetrachloride	7.99	117	470	4.228	ug/l #	15
41) Methacrylonitrile	7.50	41	58	2.274	ug/l #	14
43) Isopropyl Acetate	8.45	43	122	1.322	ug/l #	49
46) Dibromomethane	9.53	93	63	1.434	ug/l #	3
48) Methyl methacrylate	9.49	41	114	2.579	ug/l #	37
49) 1,4-Dioxane	9.20	88	59	98.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	54	1.129	ug/l #	1
53) t-1,3-Dichloropropene	10.71	75	157	1.422	ug/l #	46
58) 2-Chloroethyl Vinyl ether	10.05	63	163	4.826	ug/l #	44
59) 2-Hexanone	10.99	43	64	1.849	ug/l #	24
64) Tetrachloroethene	10.86	164	91	1.190	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.96	131	96	1.159	ug/l #	8
71) Bromoform	12.31	173	125	2.811	ug/l #	28
74) N-amyl acetate	12.30	43	130	1.633	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	2982	80.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91	4.371	ug/l #	55
87) 1,3-Dichlorobenzene	13.58	146	202	1.110	ug/l #	43
88) 1,4-Dichlorobenzene	13.58	146	202	1.125	ug/l #	42
90) Hexachloroethane	14.21	117	68	1.078	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.59	75	147	12.881	ug/l #	1

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

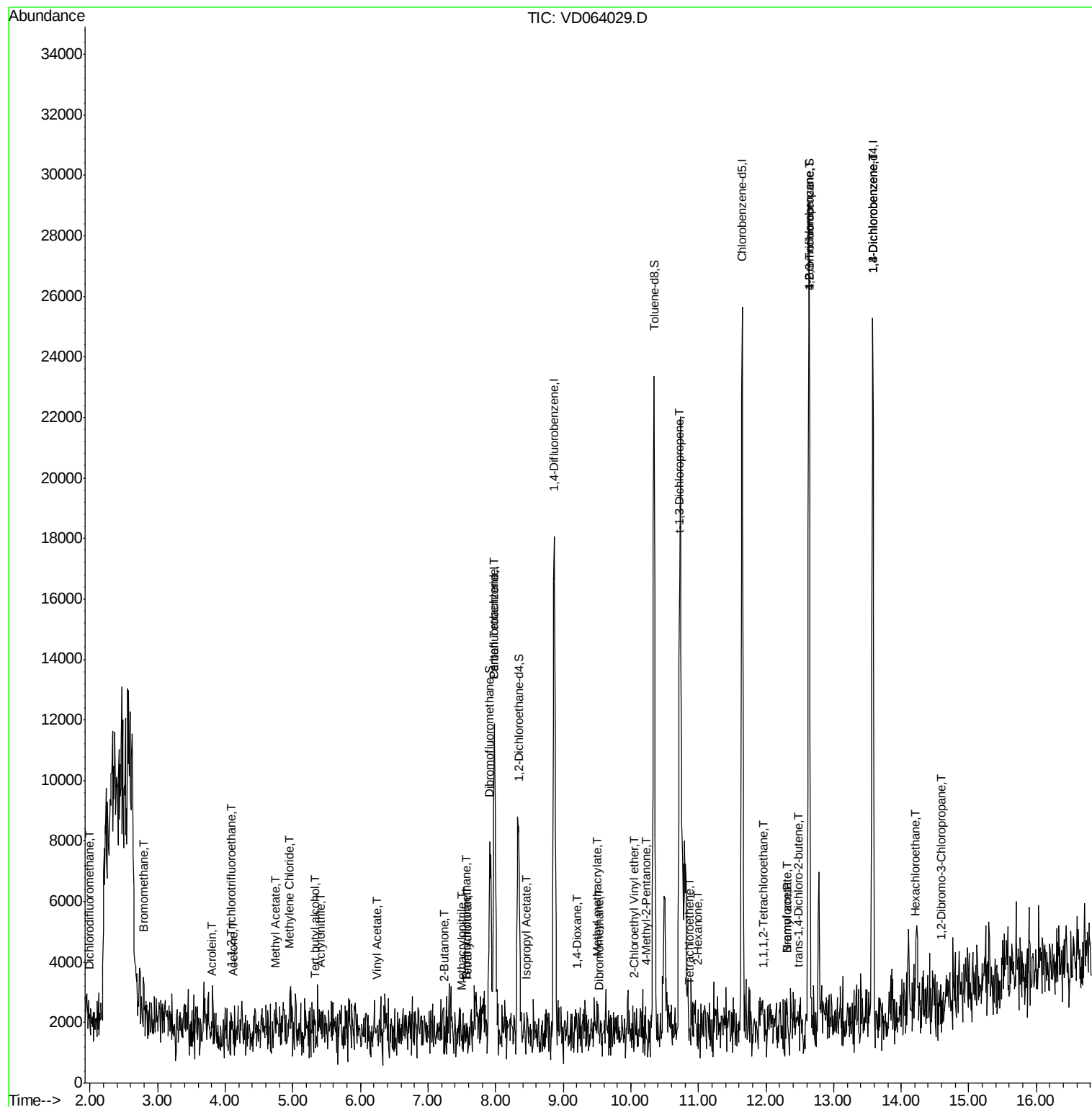
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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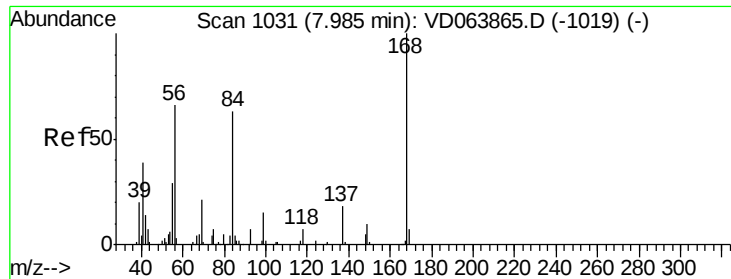
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

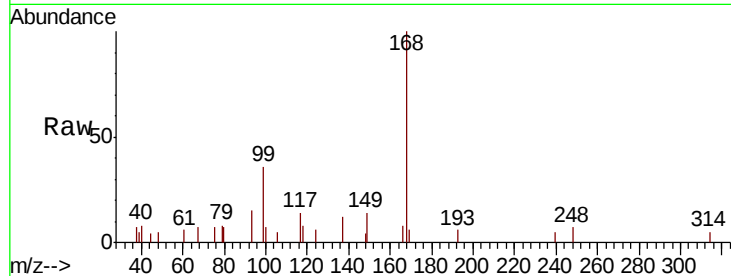
ClientSampleId :

Tot Ion:168 Resp: 6851

Ion Ratio Lower Upper

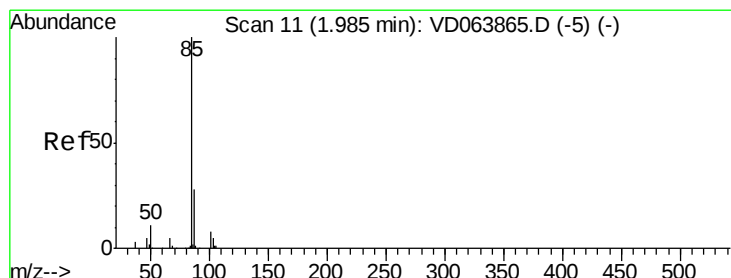
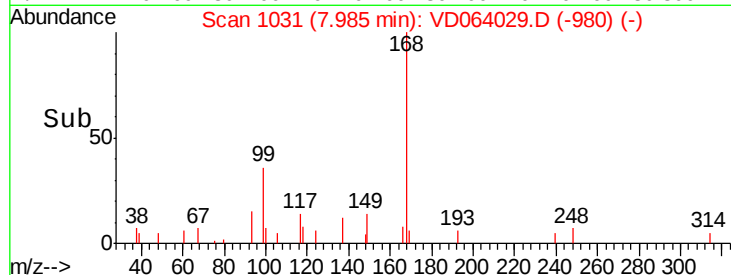
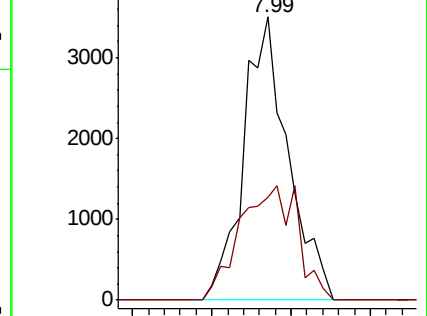
168 100

99 36.4 43.0 64.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 2.449 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064029.D

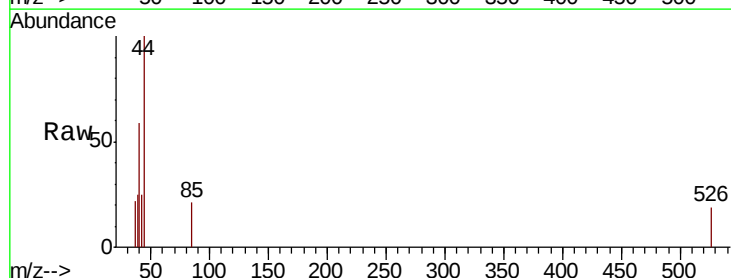
Acq: 23 Oct 2019 19:08

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

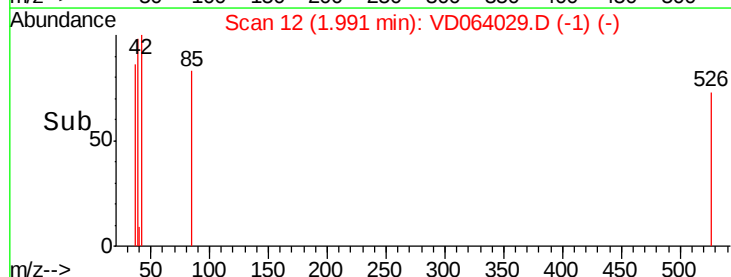
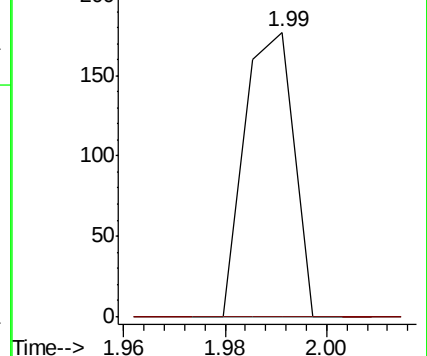
85 100

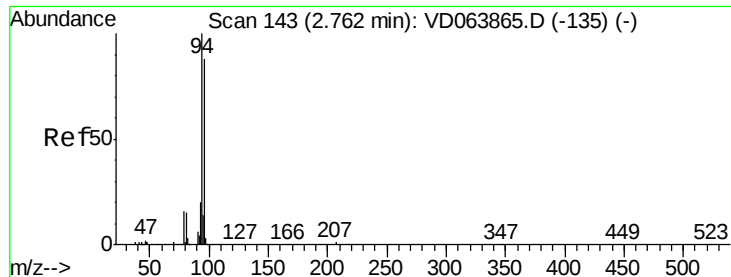
87 0.0 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: 1.426 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

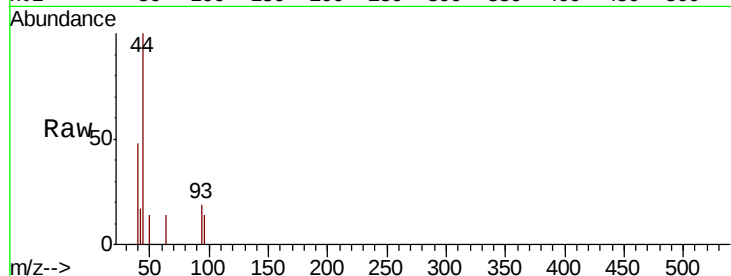
ClientSampled :

Tot Ion: 94 Resp: 144

Ion Ratio Lower Upper

94 100

96 71.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

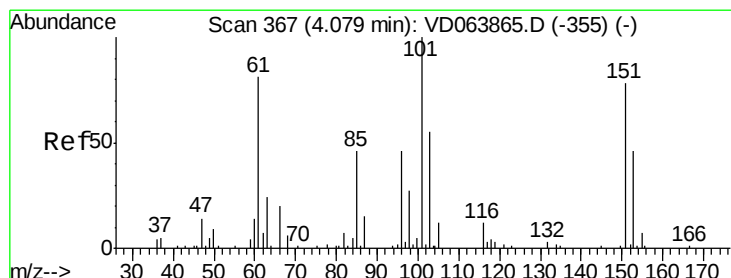
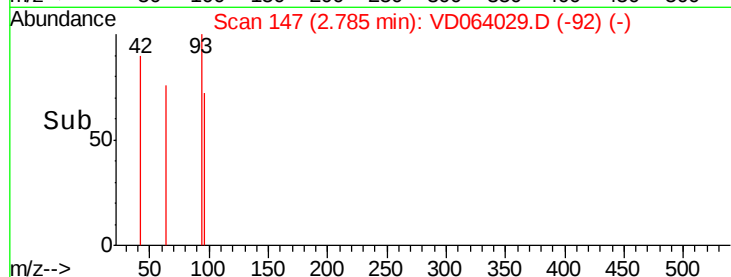
2.79

2.76

2.78

2.80

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.009 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

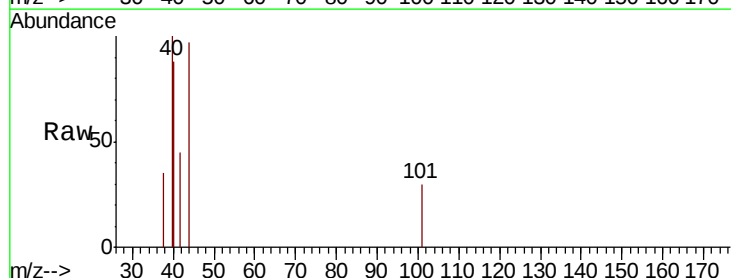
Tgt Ion: 101 Resp: 58

Ion Ratio Lower Upper

101 100

85 0.0 37.5 56.3#

151 0.0 65.5 98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

4.09

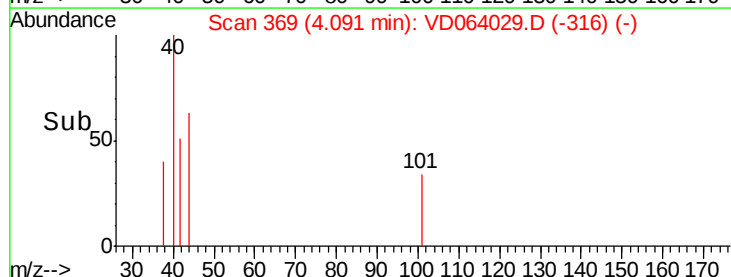
4.07

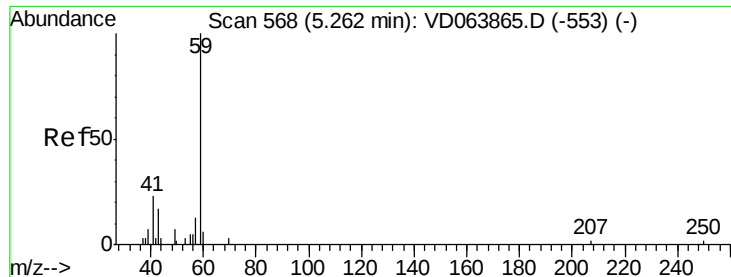
4.08

4.10

4.11

Time-->



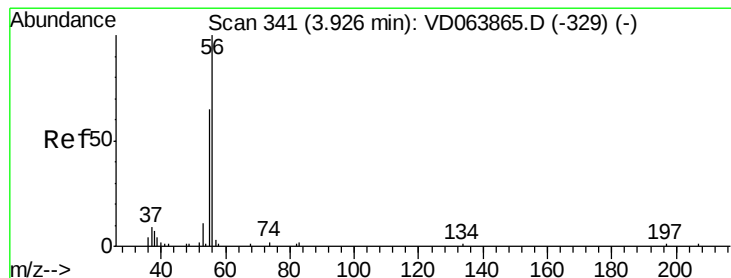
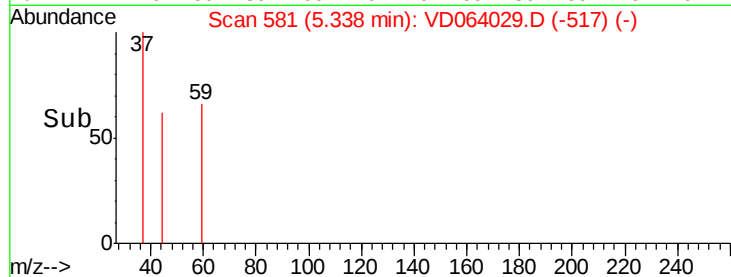
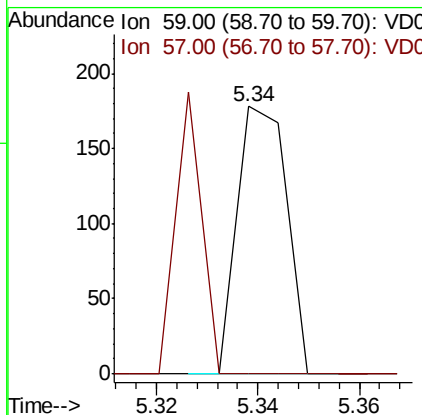
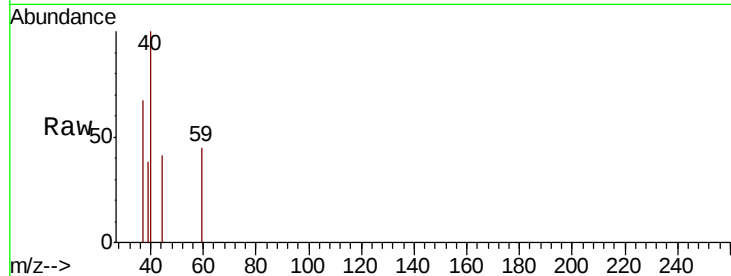


#11

Tert butyl alcohol
 Concen: 18.915 ug/l
 RT: 5.34 min Scan# 581
 Delta R.T. 0.08 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

Instrument :
 MSVOA_D
 ClientSampleId :

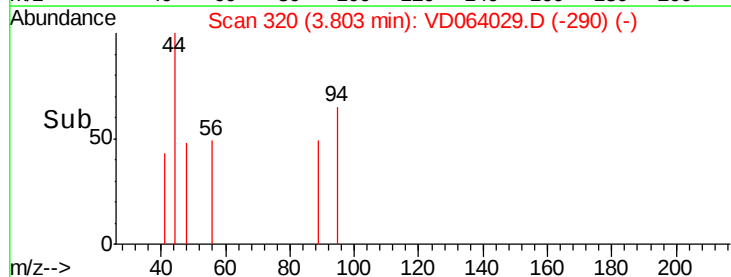
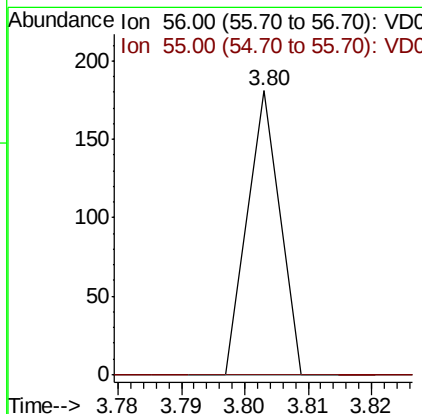
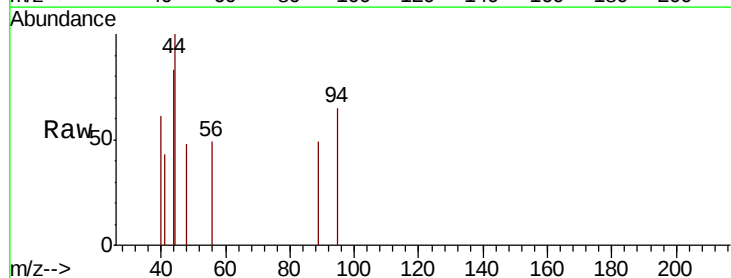
Tot Ion: 59 Resp: 122
 Ion Ratio Lower Upper
 59 100
 57 54.1 8.8 13.2#

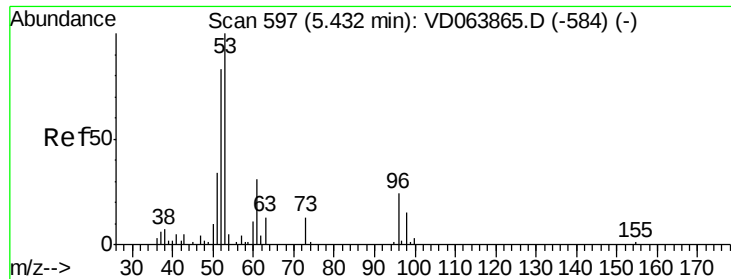


#13

Acrolein
 Concen: 10.743 ug/l
 RT: 3.80 min Scan# 320
 Delta R.T. -0.12 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#15

Acrylonitrile

Concen: 4.084 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

ClientSampled :

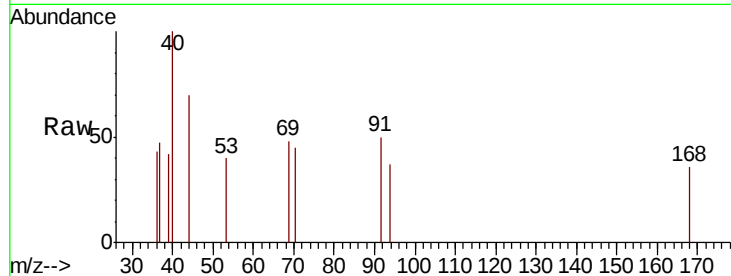
Tot Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

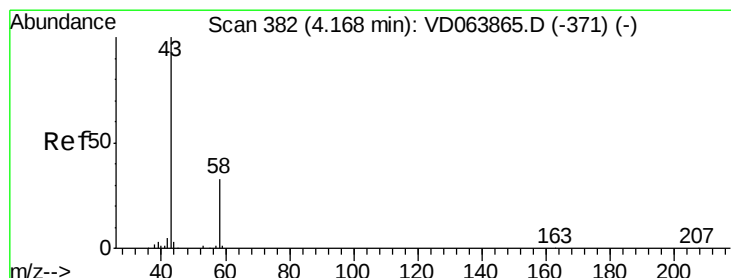
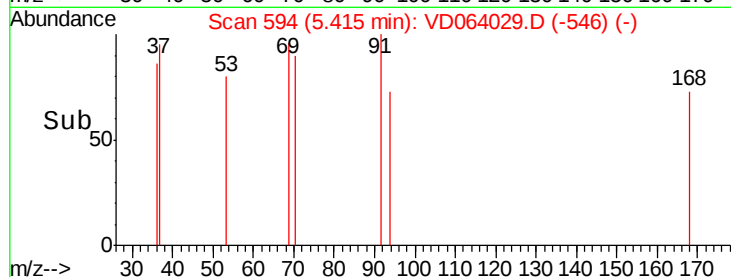
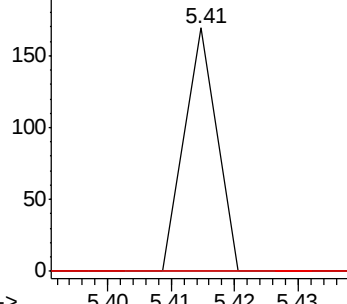
51 0.0 30.5 45.7#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 13.475 ug/l

RT: 4.12 min Scan# 374

Delta R.T. -0.05 min

Lab File: VD064029.D

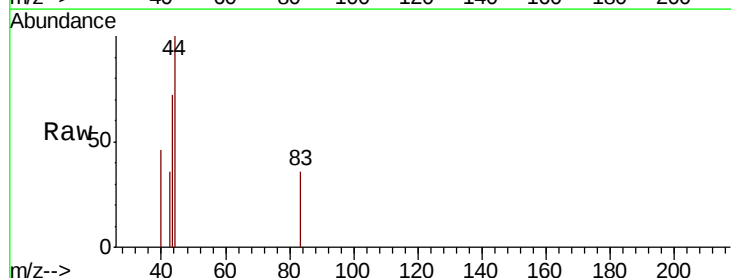
Acq: 23 Oct 2019 19:08

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

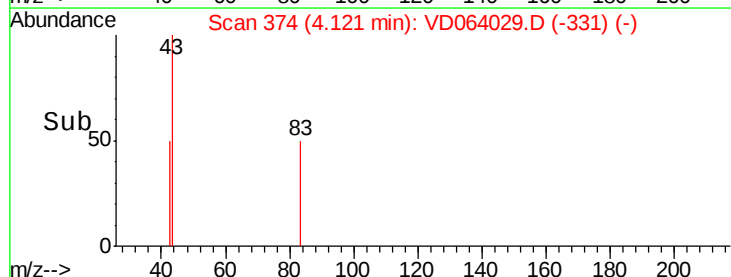
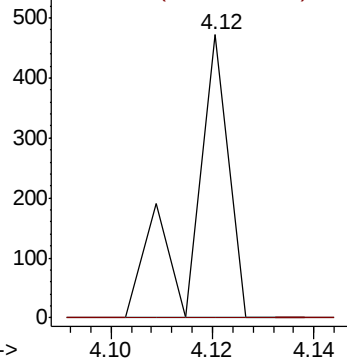
43 100

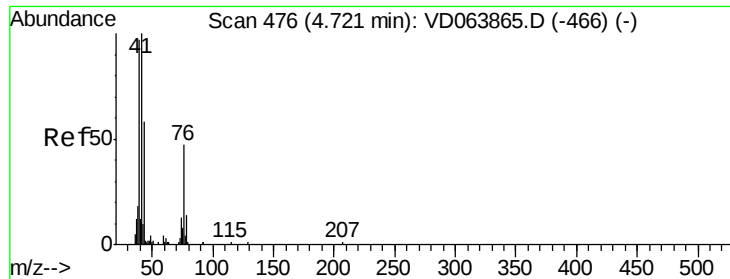
58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

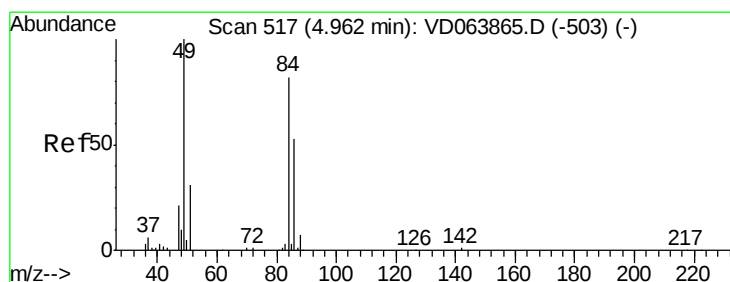
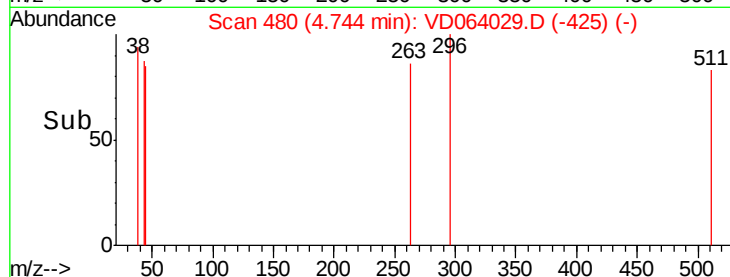
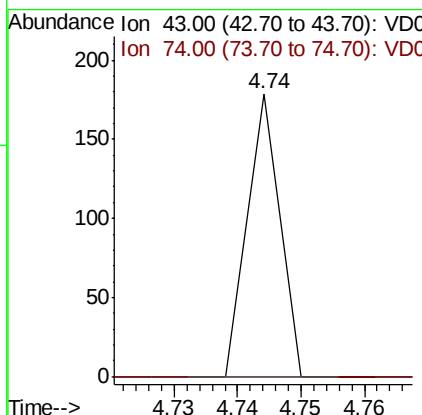
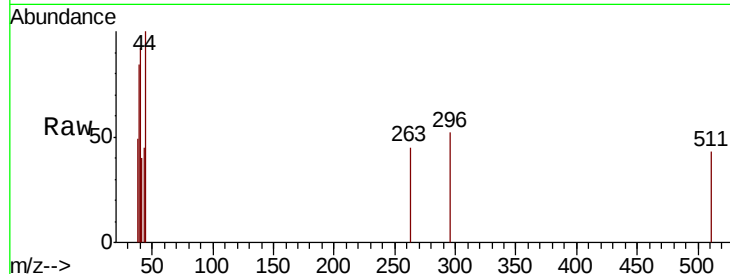




#18
Methyl Acetate
Concen: 1.855 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.02 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

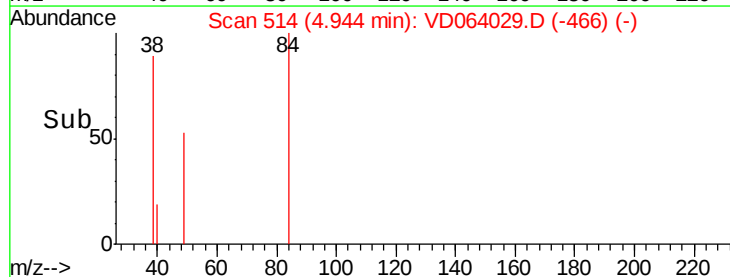
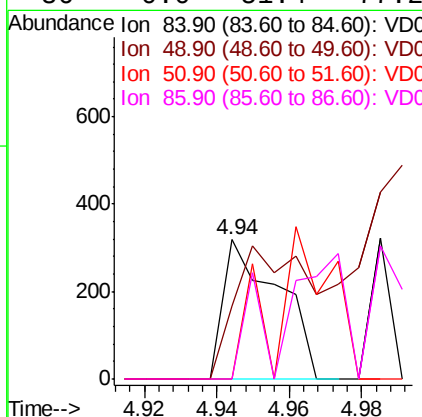
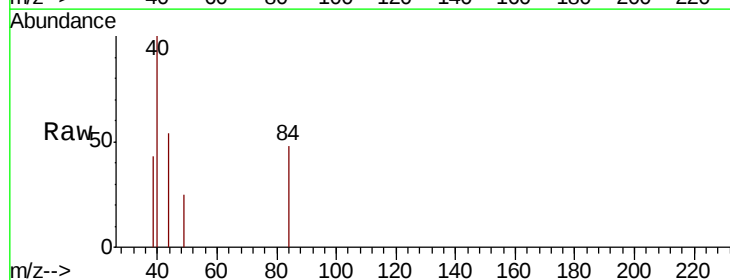
Instrument :
MSVOA_D
ClientSampled :

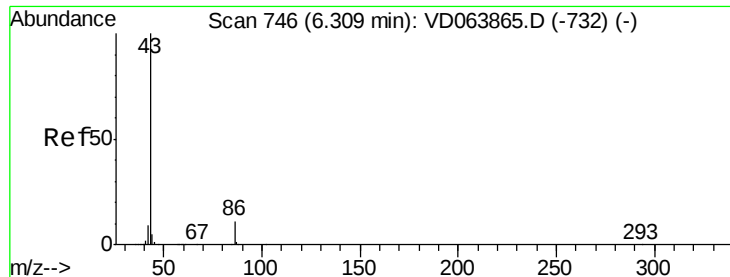
Tot Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: 1.451 ug/l
RT: 4.94 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion: 84 Resp: 337
Ion Ratio Lower Upper
84 100
49 52.8 97.3 145.9#
51 0.0 30.1 45.1#
86 0.0 51.4 77.2#

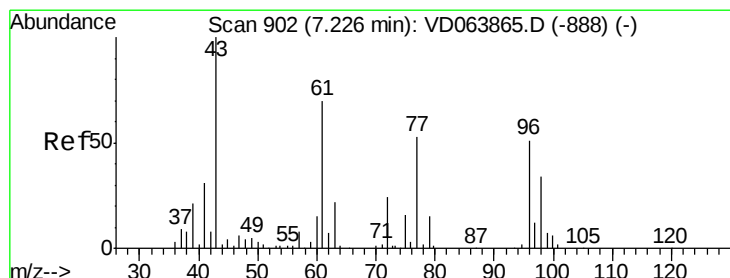
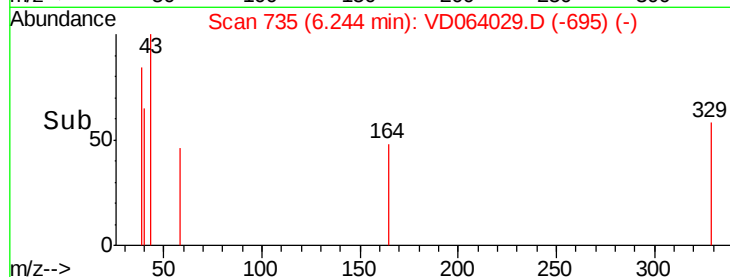
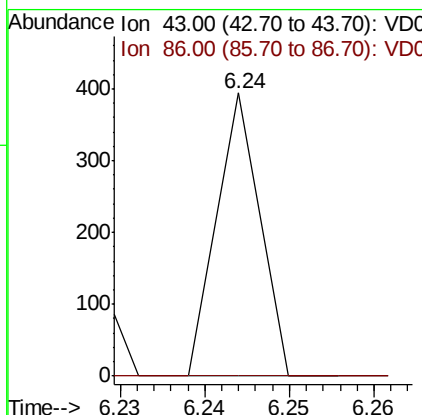
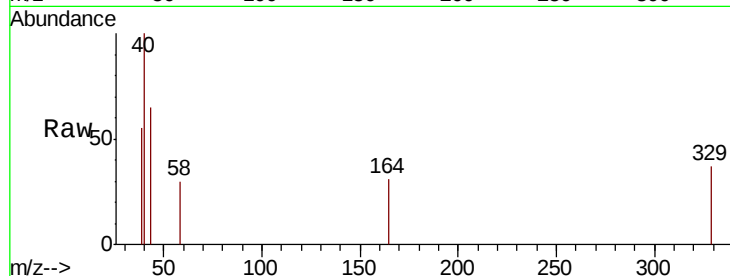




#23
 Vinyl Acetate
 Concen: 1.198 ug/l
 RT: 6.24 min Scan# 735
 Delta R.T. -0.06 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

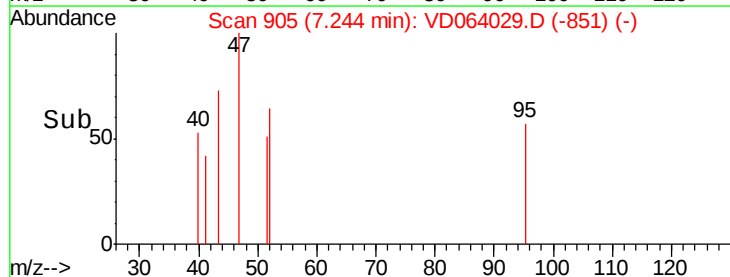
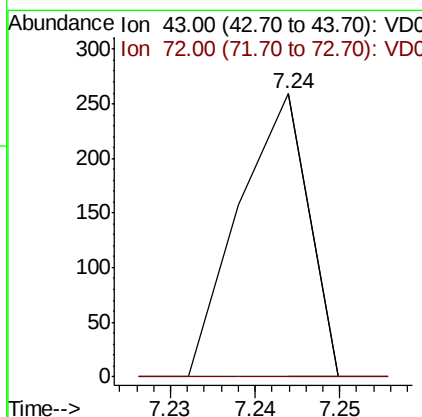
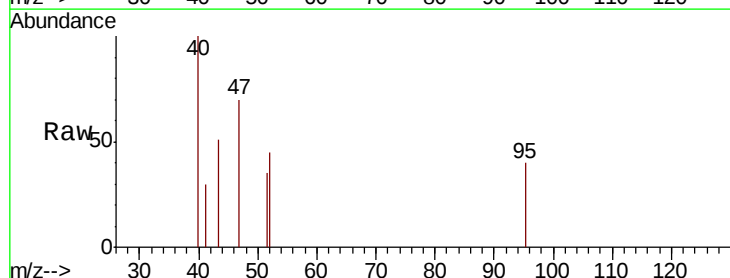
Instrument :
 MSVOA_D
 ClientSampled :

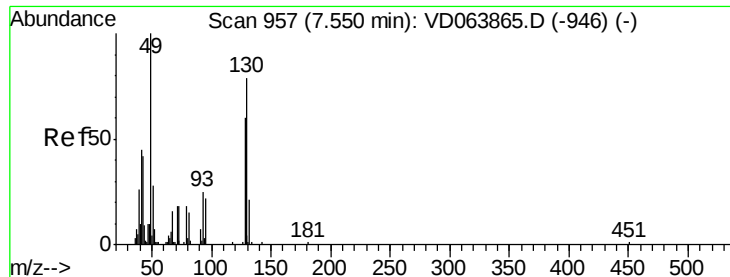
Tot Ion: 43 Resp: 139
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 7.143 ug/l
 RT: 7.24 min Scan# 905
 Delta R.T. 0.02 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

Tgt Ion: 43 Resp: 147
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.2 28.8#

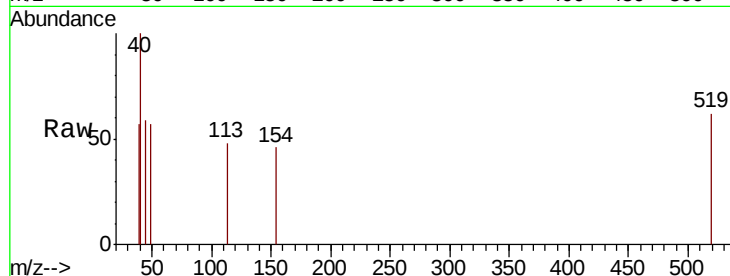




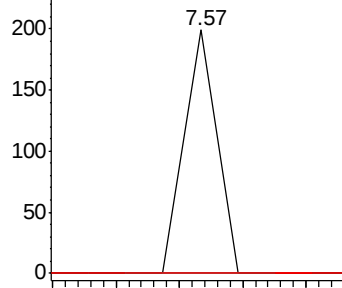
#28
Bromochloromethane
Concen: 3.340 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.02 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Instrument :
MSVOA_D
ClientSampleId :

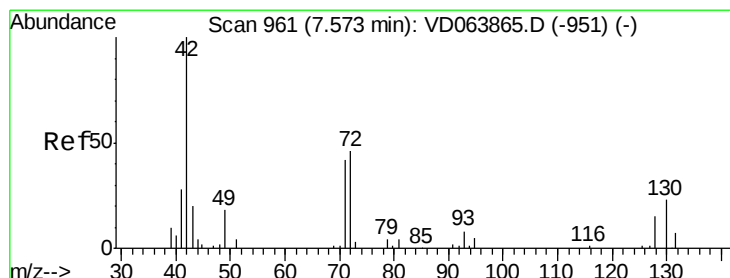
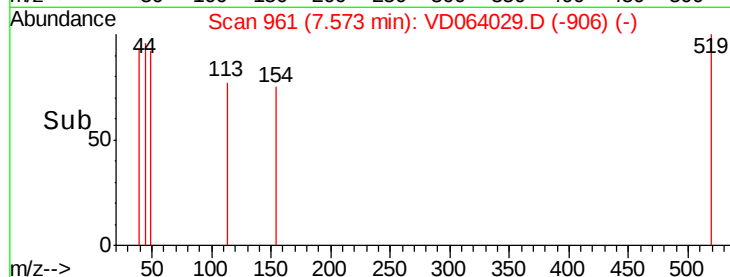
Tot Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

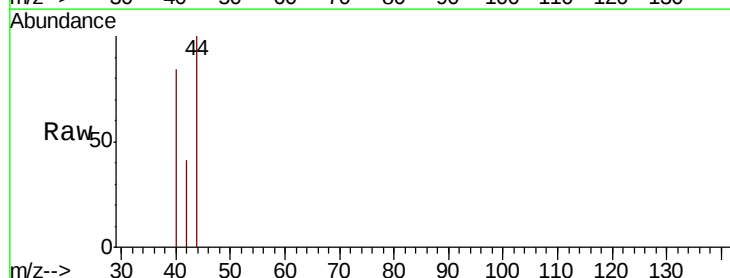


Time--> 7.55 7.56 7.57 7.58 7.59

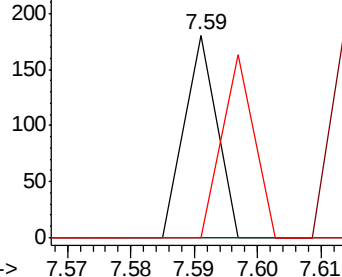


#29
Tetrahydrofuran
Concen: 5.328 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

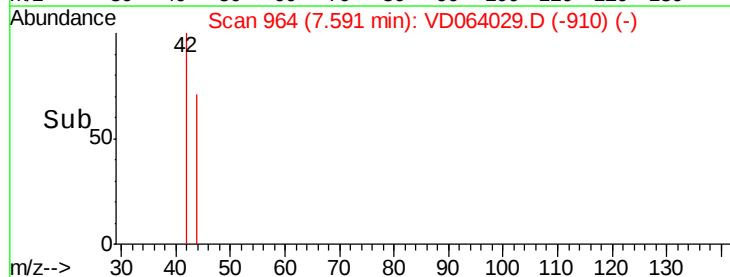
Tgt Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 90.6 35.0 52.6#

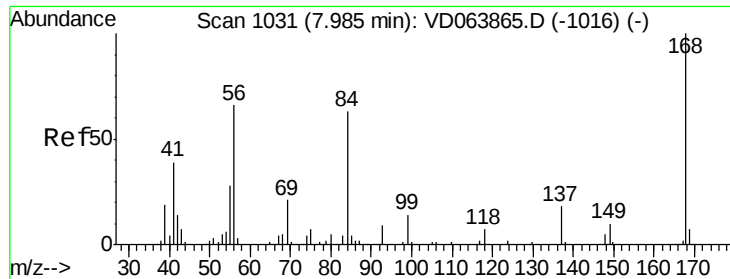


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



Time--> 7.57 7.58 7.59 7.60 7.61

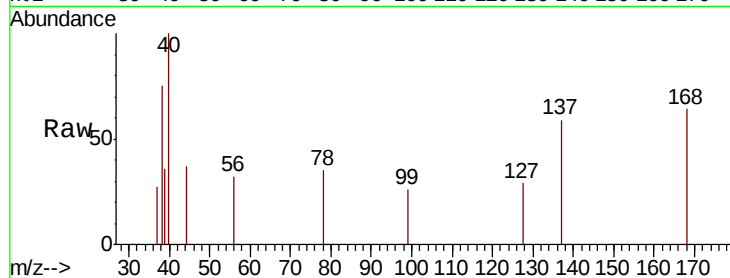




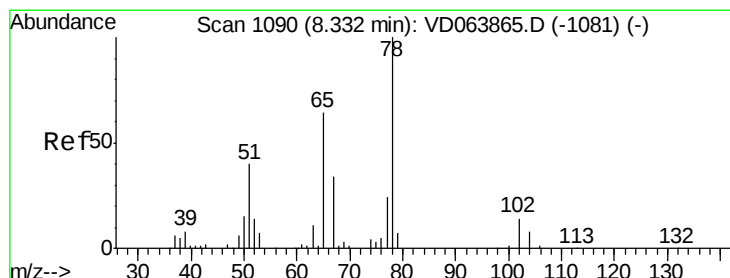
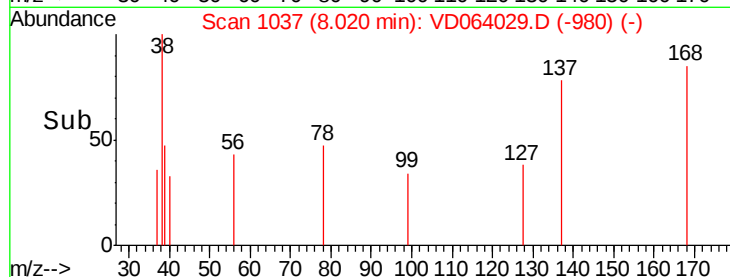
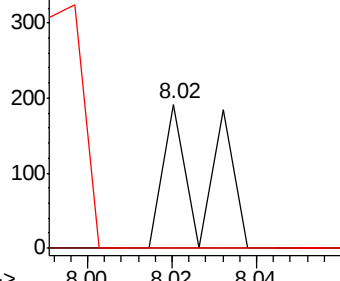
#31
Cyclohexane
Concen: Below Cal
RT: 8.02 min Scan# 1037
Delta R.T. 0.04 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.4#
84 0.0 76.3 114.5#

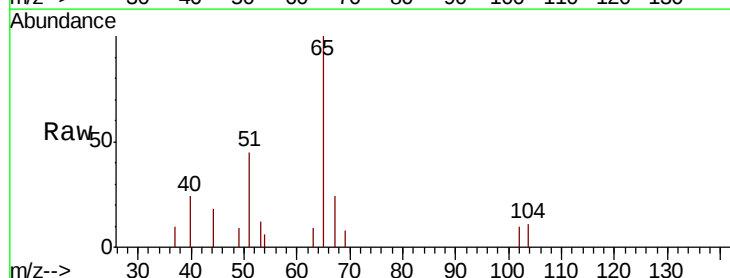


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

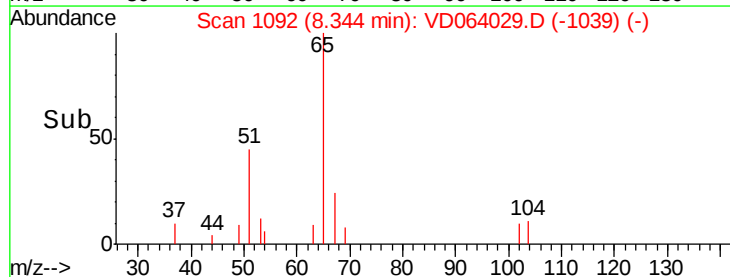
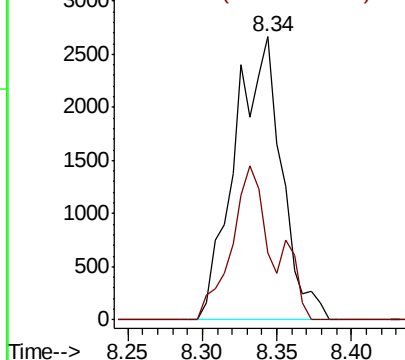


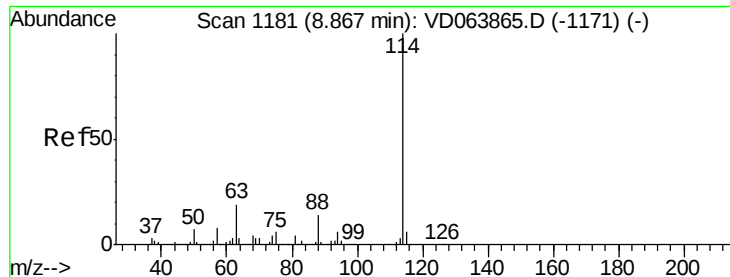
#33
1,2-Dichloroethane-d4
Concen: 87.407 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion: 65 Resp: 5830
Ion Ratio Lower Upper
65 100
67 40.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

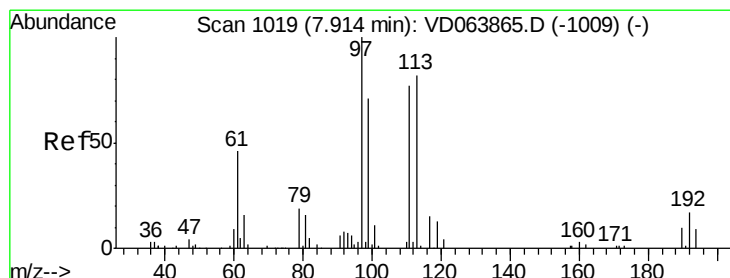
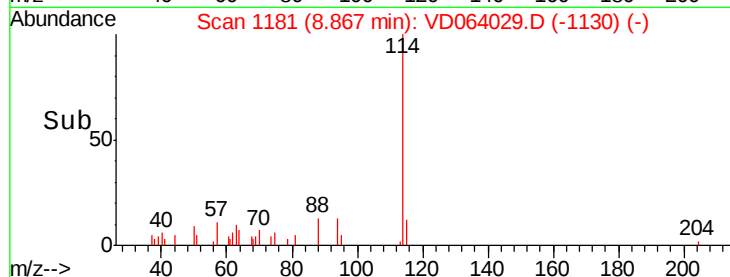
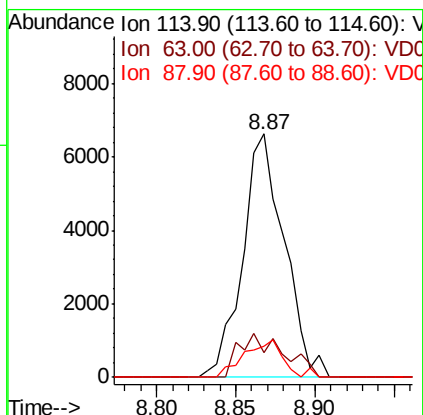
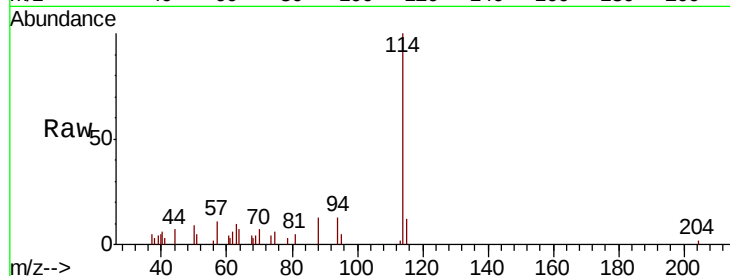




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

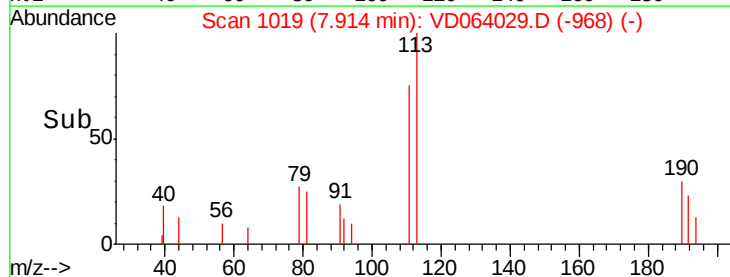
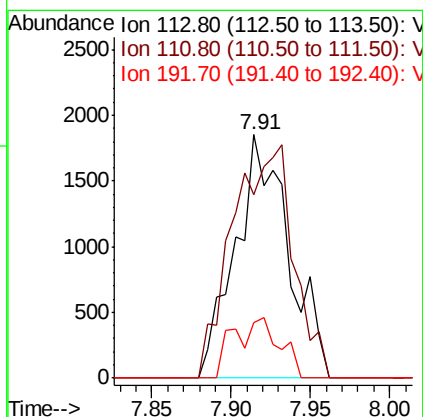
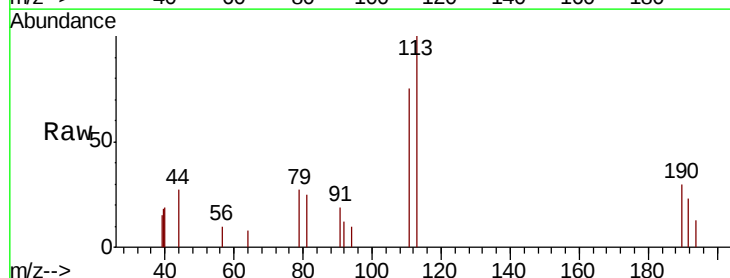
Instrument :
 MSVOA_D
 ClientSampleId :

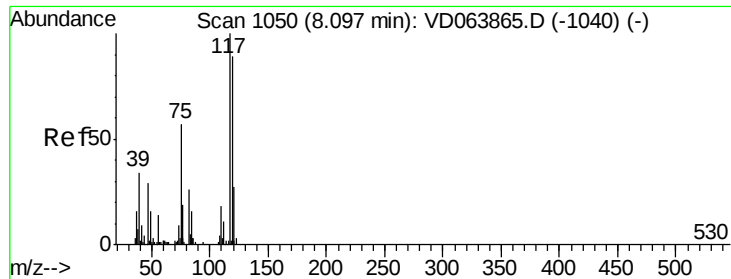
Tot Ion:114 Resp: 12032
 Ion Ratio Lower Upper
 114 100
 63 10.2 0.0 38.4
 88 12.8 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 58.764 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

Tgt Ion:113 Resp: 4321
 Ion Ratio Lower Upper
 113 100
 111 109.4 82.6 123.8
 192 13.4 17.1 25.7#

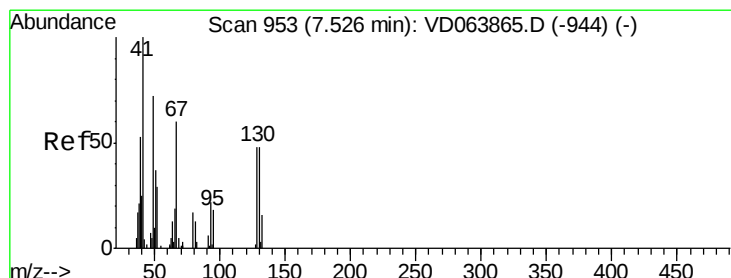
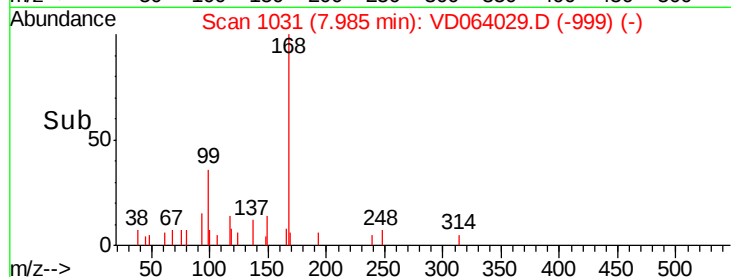
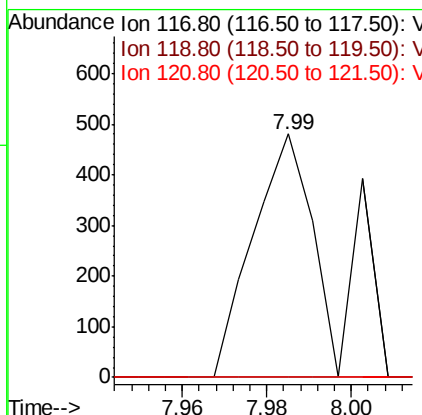
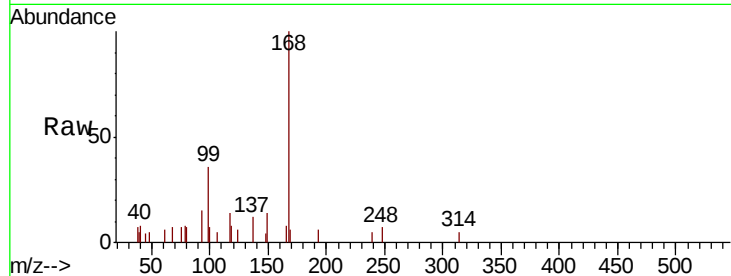




#38
Carbon Tetrachloride
Concen: 4.228 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

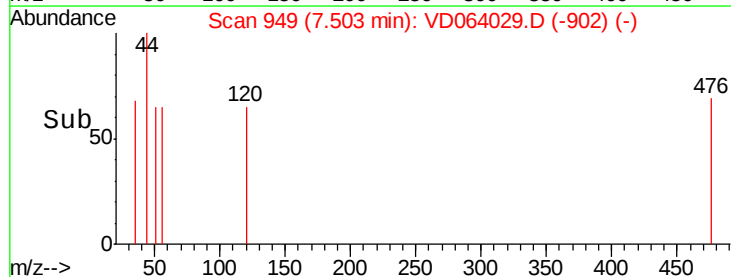
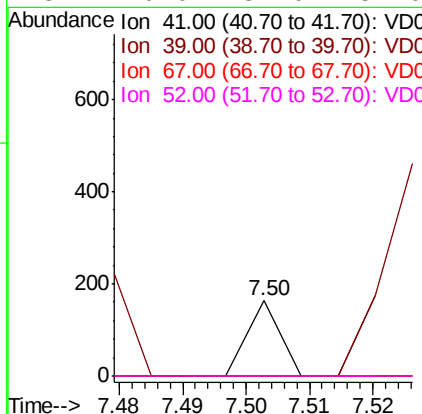
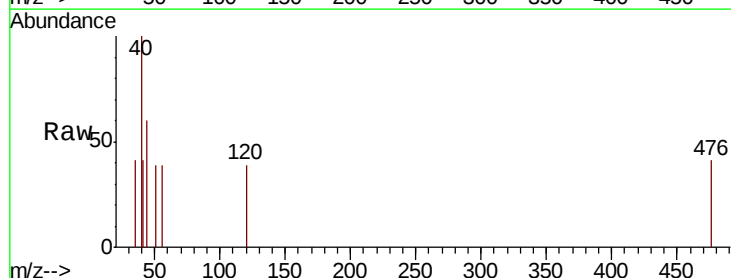
Instrument :
MSVOA_D
ClientSampleId :

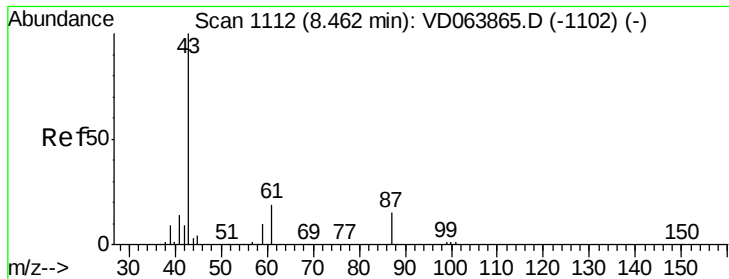
Tot Ion:117 Resp: 470
Ion Ratio Lower Upper
117 100
119 0.0 70.8 106.2#
121 0.0 21.4 32.0#



#41
Methacrylonitrile
Concen: 2.274 ug/l
RT: 7.50 min Scan# 949
Delta R.T. -0.02 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 0.0 52.6 78.8#
67 0.0 74.2 111.2#
52 0.0 34.0 51.0#





#43

Isopropyl Acetate

Concen: 1.322 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

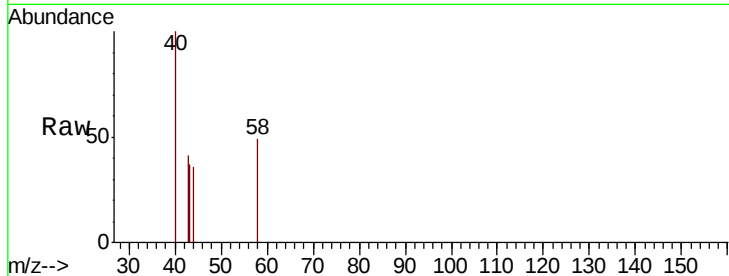
Tot Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

61 0.0 25.7 38.5#

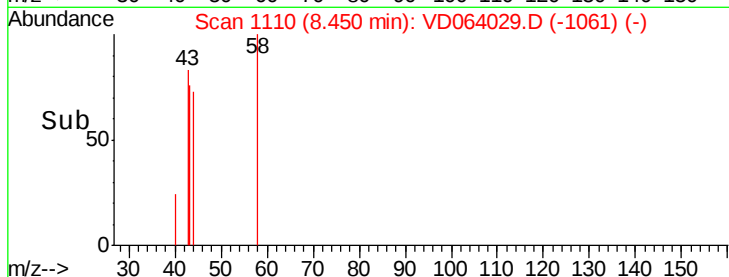
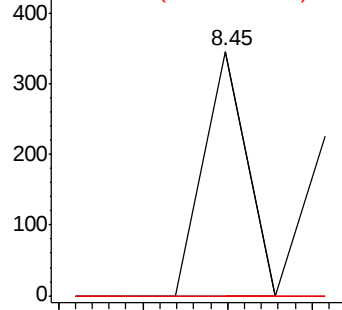
87 0.0 11.6 17.4#



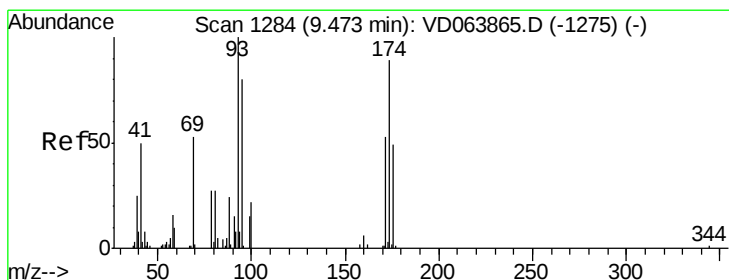
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->



#46

Dibromomethane

Concen: 1.434 ug/l

RT: 9.53 min Scan# 1294

Delta R.T. 0.06 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

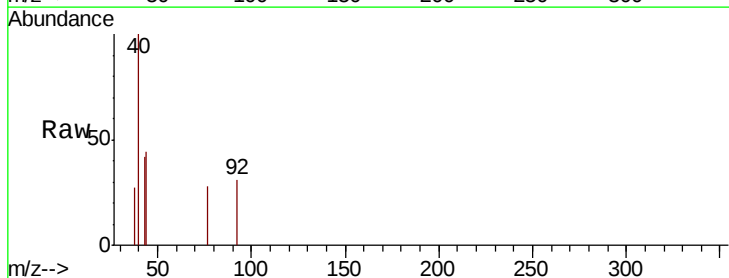
Tgt Ion: 93 Resp: 63

Ion Ratio Lower Upper

93 100

95 0.0 66.0 99.0#

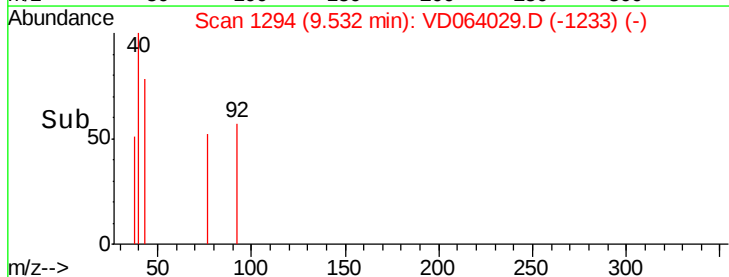
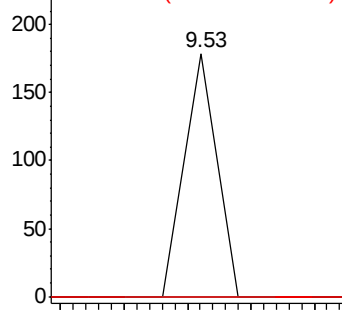
174 0.0 83.4 125.0#



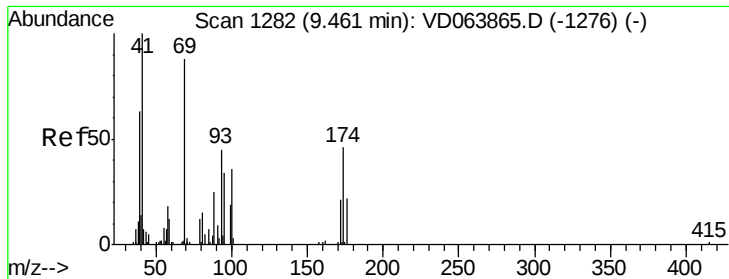
Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V



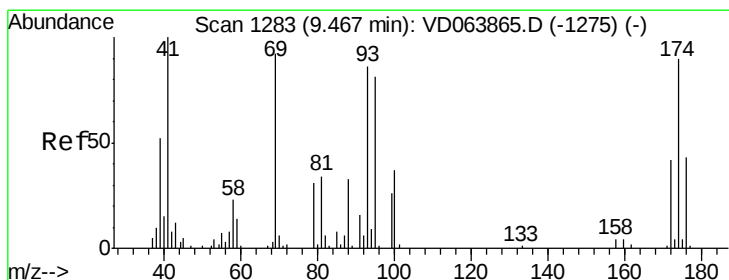
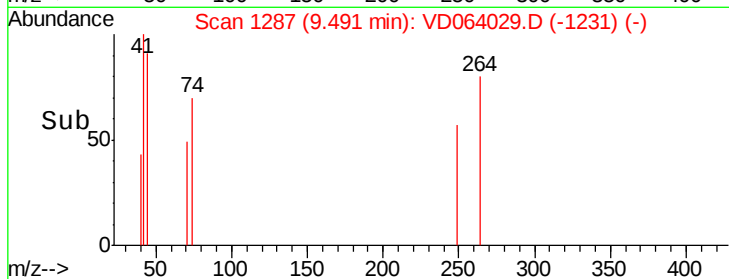
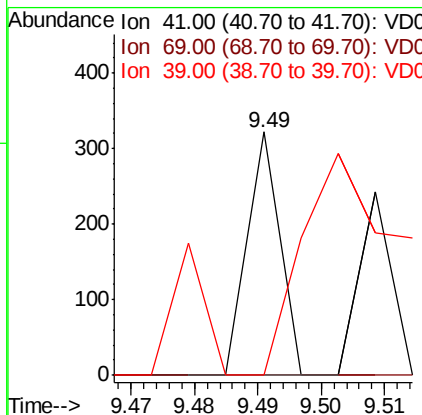
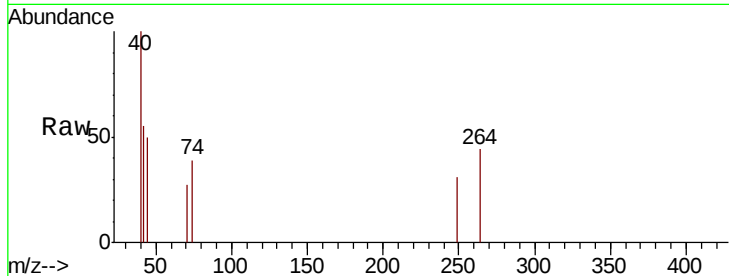
Time-->



#48
Methvl methacrylate
Concen: 2.579 ug/l
RT: 9.49 min Scan# 1287
Delta R.T. 0.03 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

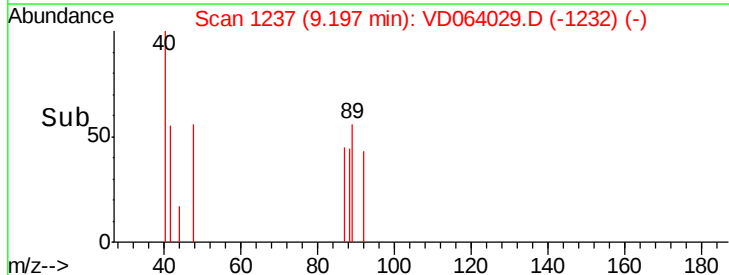
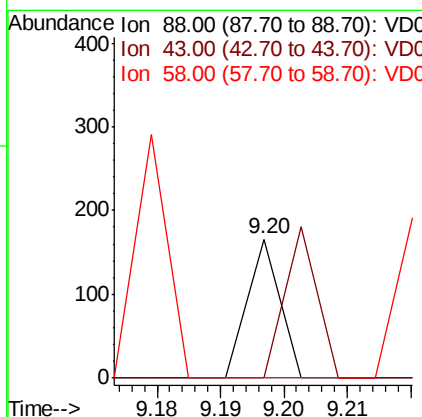
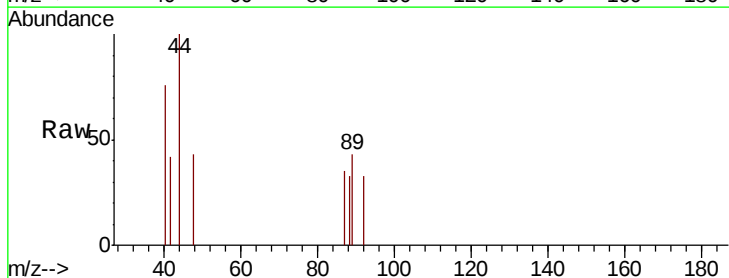
Instrument :
MSVOA_D
ClientSampled :

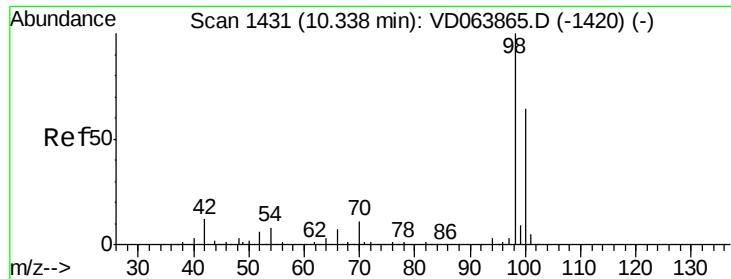
Tot Ion: 41 Resp: 114
Ion Ratio Lower Upper
41 100
69 0.0 75.1 112.7#
39 53.5 50.2 75.2



#49
1,4-Dioxane
Concen: 98.356 ug/l
RT: 9.20 min Scan# 1237
Delta R.T. -0.27 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 108.5 27.6 41.4#
58 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 49.348 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

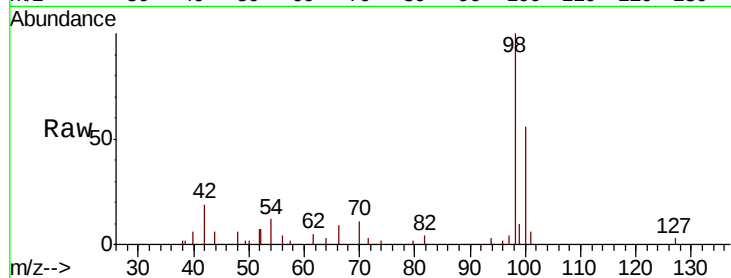
ClientSampled :

Tot Ion: 98 Resp: 14728

Ion Ratio Lower Upper

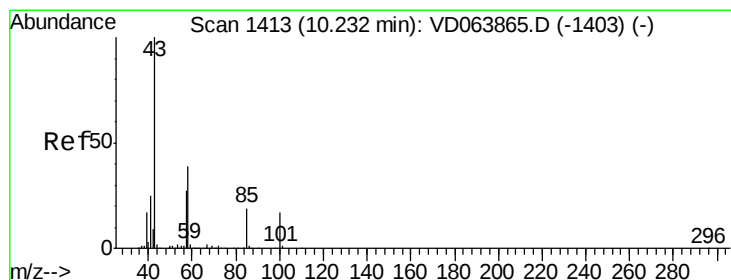
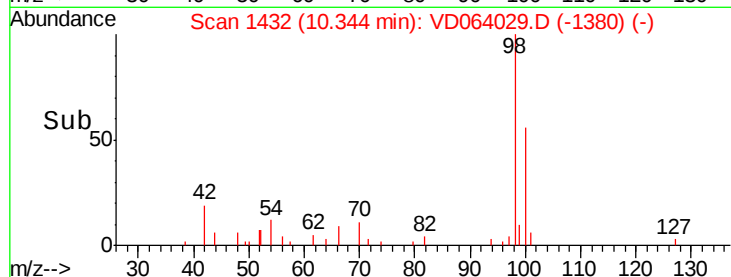
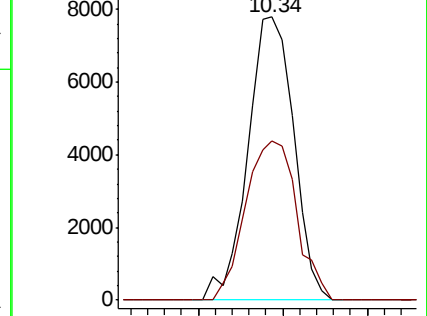
98 100

100 62.4 52.1 78.1



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: 1.129 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064029.D

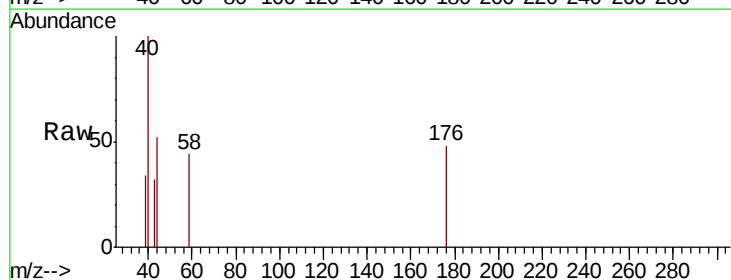
Acq: 23 Oct 2019 19:08

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

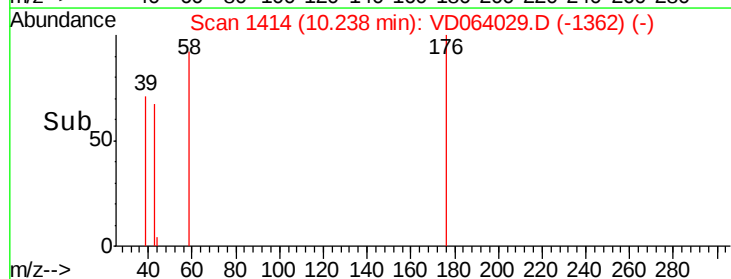
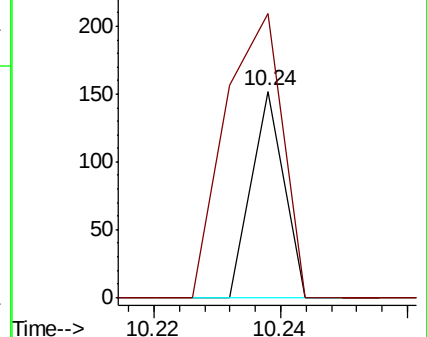
43 100

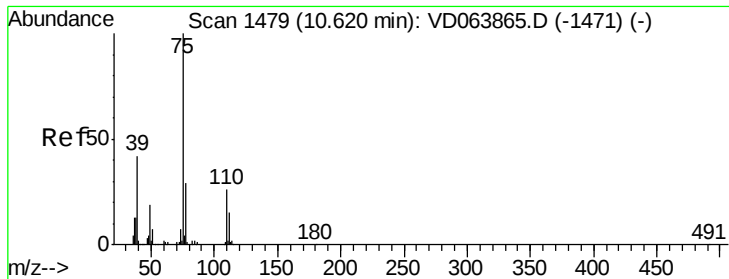
58 238.9 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#53

t-1,3-Dichloropropene

Concen: 1.422 ug/l

RT: 10.71 min Scan# 1495

Delta R.T. 0.09 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

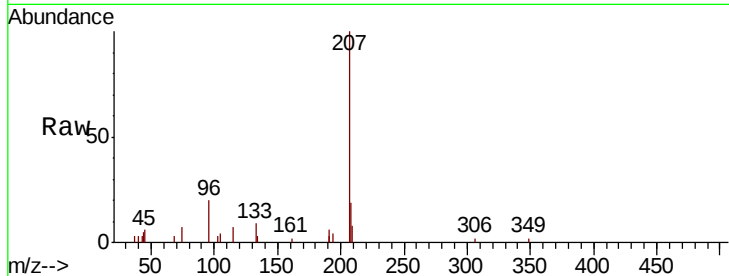
ClientSampled :

Tot Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

77 0.0 22.8 34.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.71

400

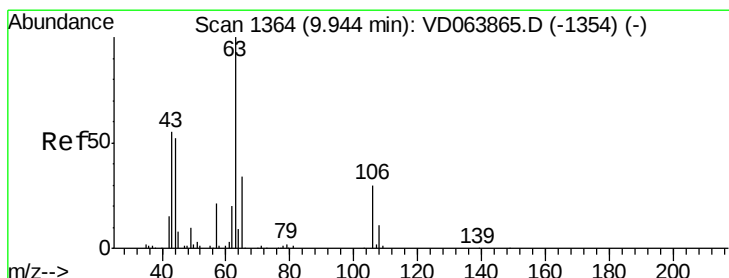
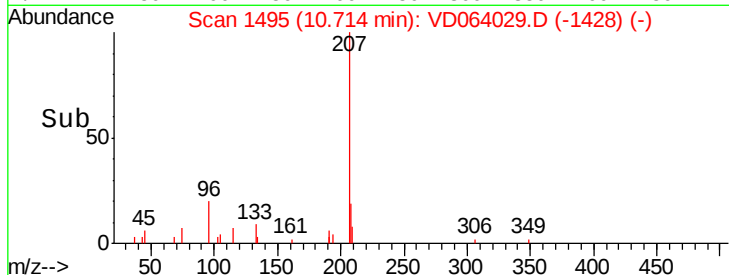
300

200

100

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 4.826 ug/l

RT: 10.05 min Scan# 1382

Delta R.T. 0.11 min

Lab File: VD064029.D

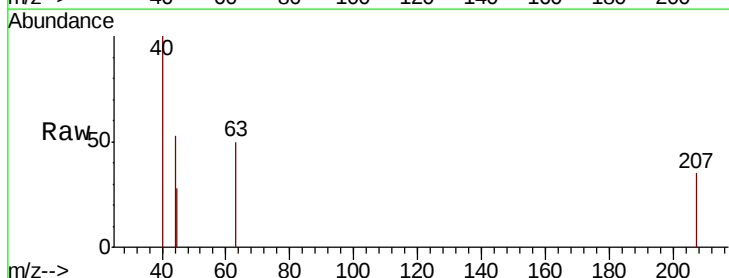
Acq: 23 Oct 2019 19:08

Tgt Ion: 63 Resp: 163

Ion Ratio Lower Upper

63 100

106 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

10.05

300

250

200

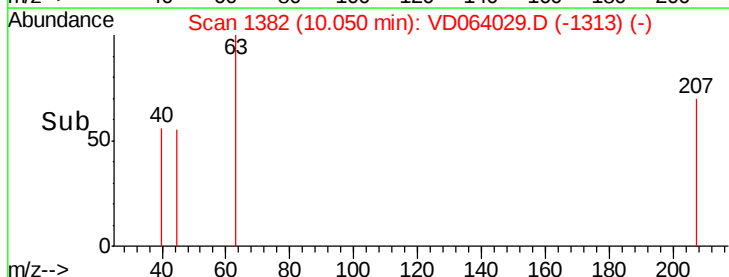
150

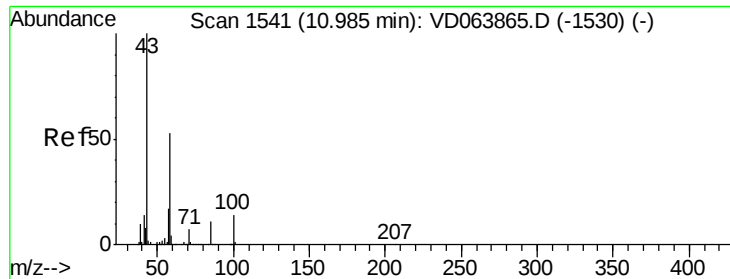
100

50

0

Time-->

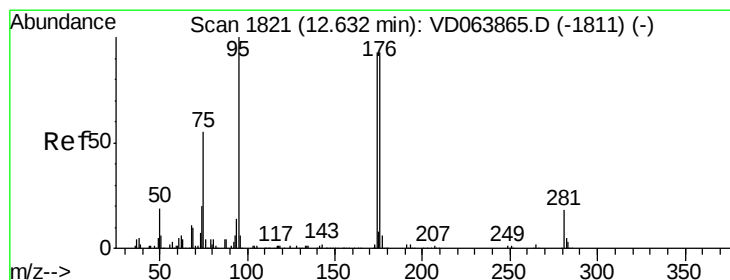
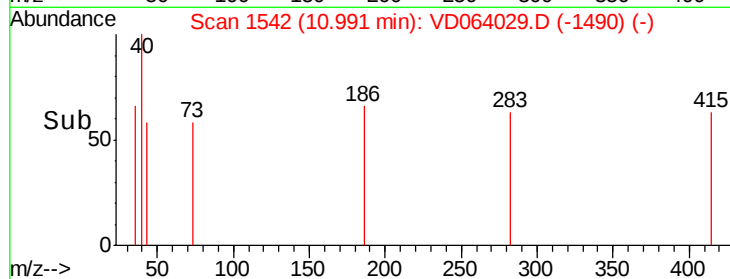
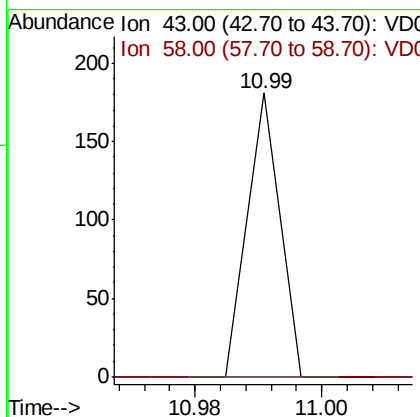
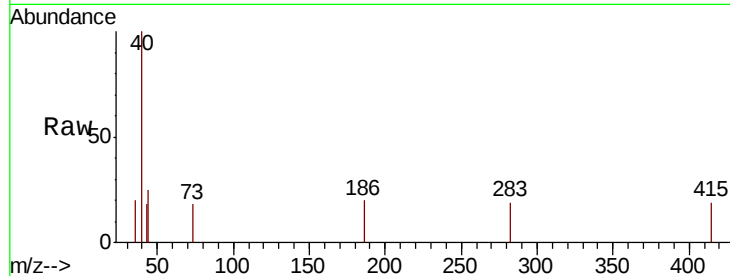




#59
2-Hexanone
Concen: 1.849 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

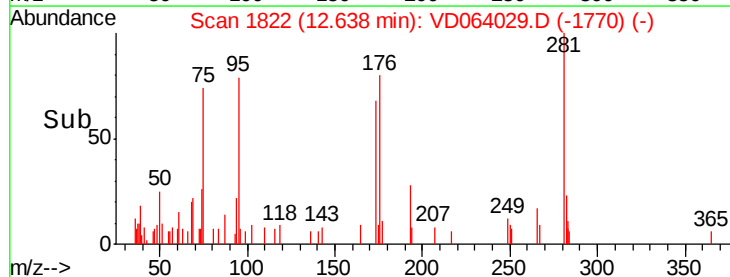
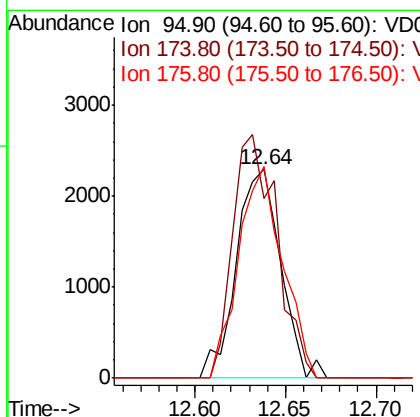
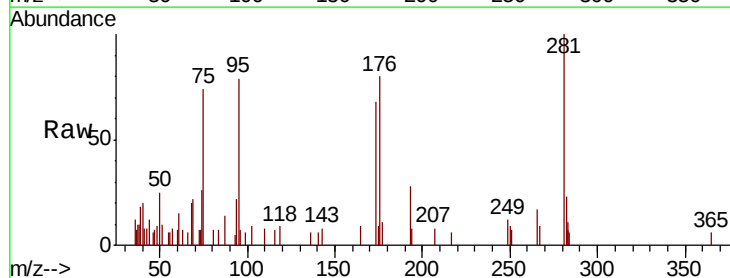
Instrument :
MSVOA_D
ClientSampled :

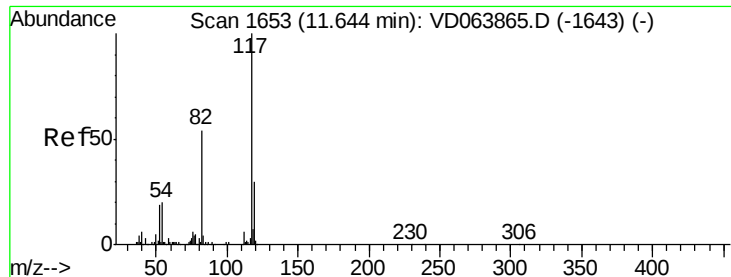
Tot Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 37.739 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion: 95 Resp: 3914
Ion Ratio Lower Upper
95 100
174 115.6 0.0 186.4
176 100.7 0.0 184.2

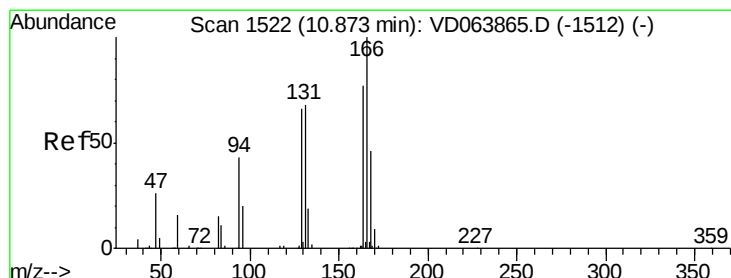
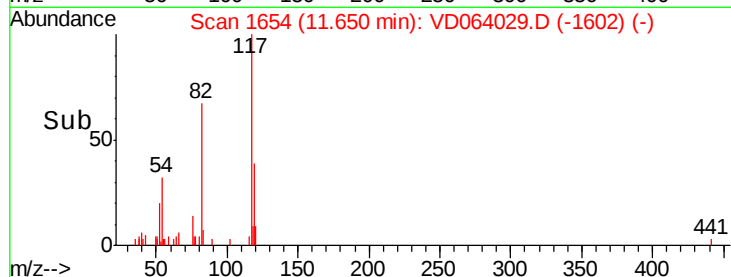
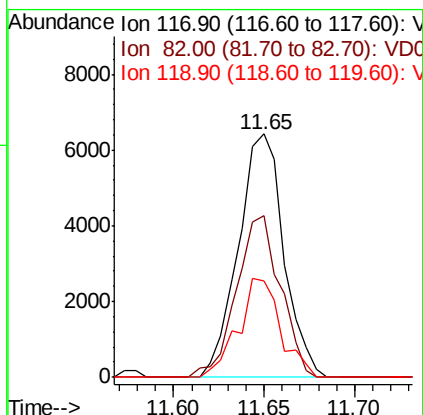
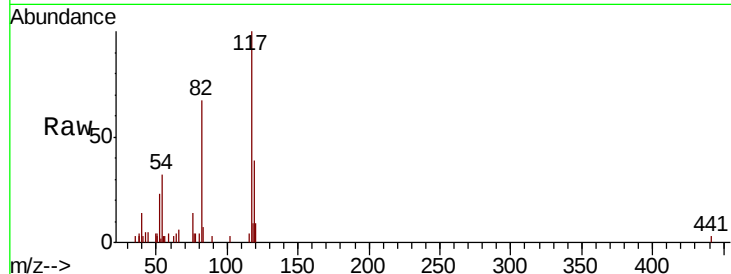




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

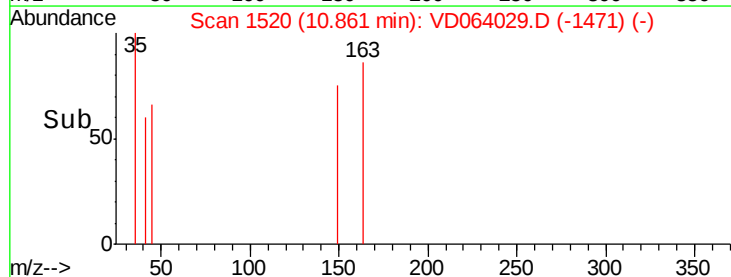
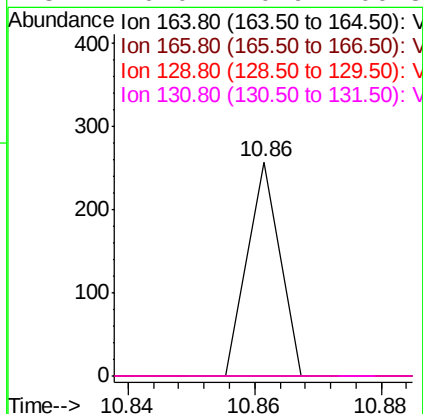
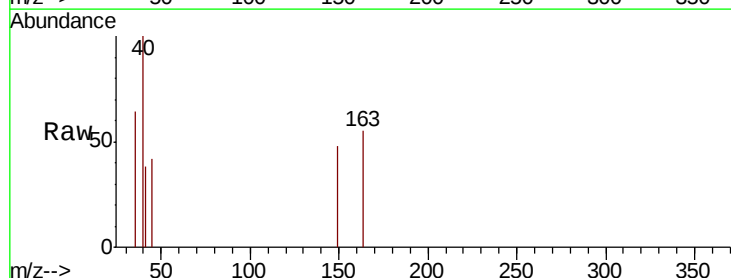
Instrument :
MSVOA_D
ClientSampleId :

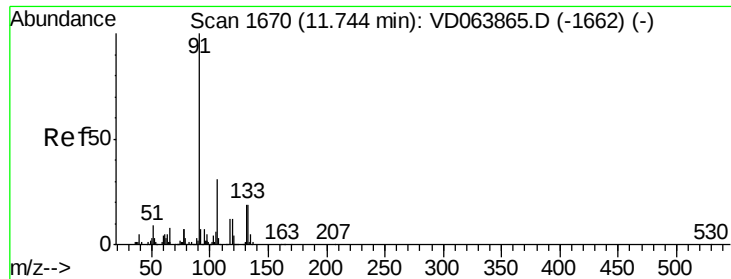
Tot Ion:117 Resp: 11197
Ion Ratio Lower Upper
117 100
82 66.6 42.8 64.2#
119 39.4 24.4 36.6#



#64
Tetrachloroethene
Concen: 1.190 ug/l
RT: 10.86 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VD064029.D
Acq: 23 Oct 2019 19:08

Tgt Ion:164 Resp: 91
Ion Ratio Lower Upper
164 100
166 0.0 103.8 155.6#
129 0.0 68.9 103.3#
131 0.0 70.9 106.3#

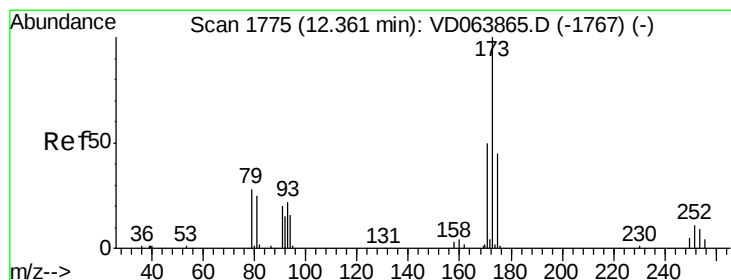
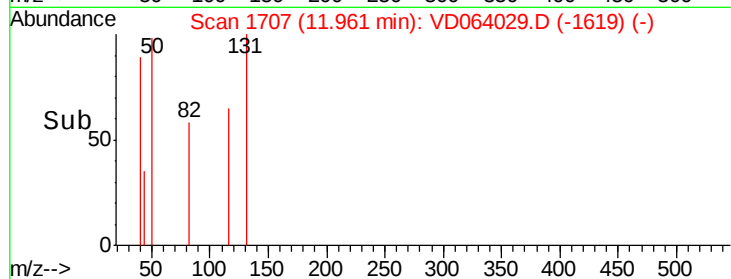
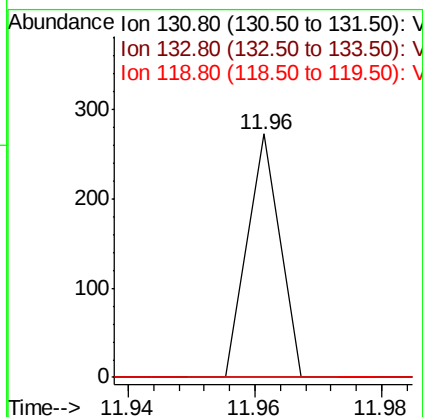
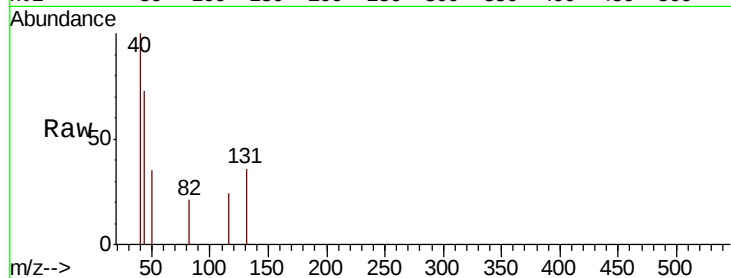




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.159 ug/l
 RT: 11.96 min Scan# 1707
 Delta R.T. 0.22 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

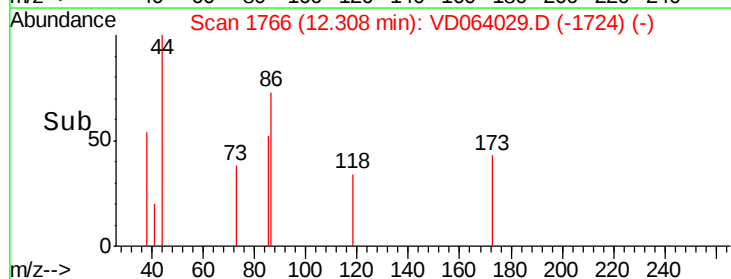
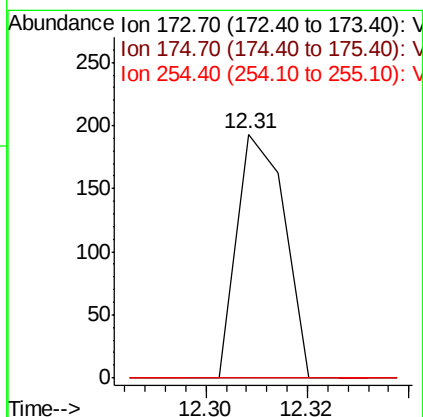
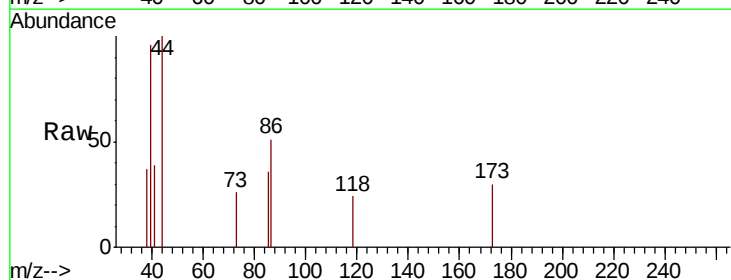
Instrument :
 MSVOA_D
 ClientSampleId :

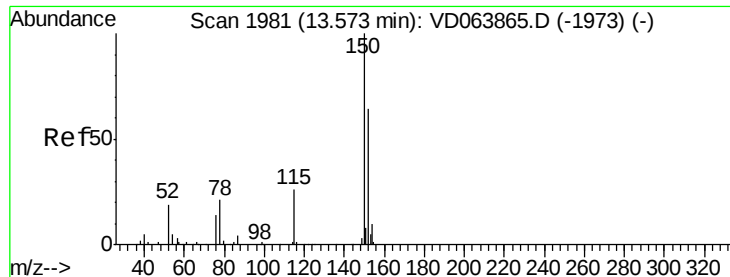
Tot Ion:131 Resp: 96
 Ion Ratio Lower Upper
 131 100
 133 0.0 48.9 146.7#
 119 0.0 32.6 97.8#



#71
 Bromoform
 Concen: 2.811 ug/l
 RT: 12.31 min Scan# 1766
 Delta R.T. -0.05 min
 Lab File: VD064029.D
 Acq: 23 Oct 2019 19:08

Tgt Ion:173 Resp: 125
 Ion Ratio Lower Upper
 173 100
 175 0.0 24.6 74.0#
 254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

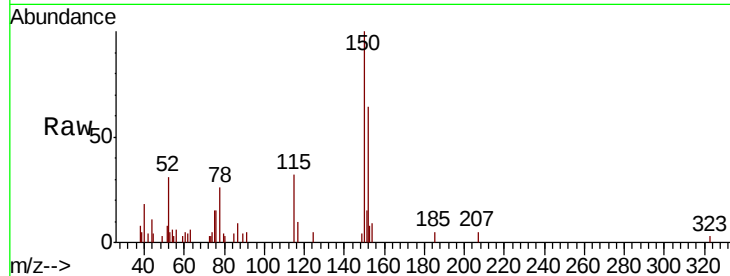
Tot Ion:152 Resp: 5500

Ion Ratio Lower Upper

152 100

115 59.2 25.9 77.7

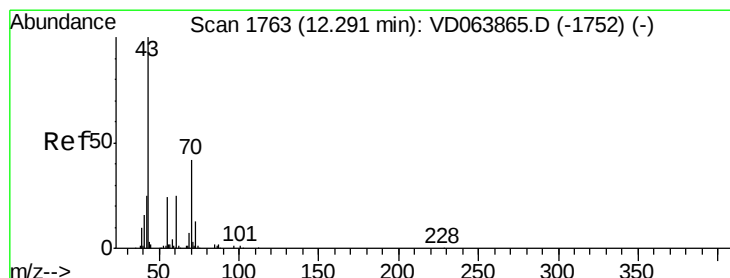
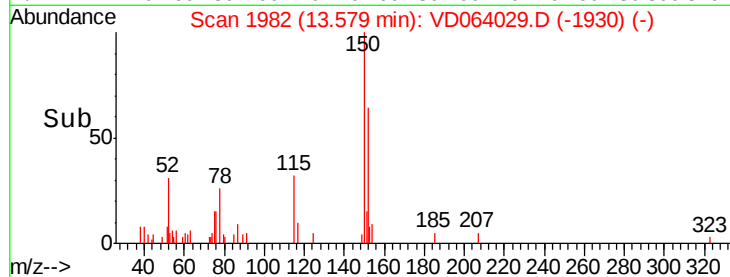
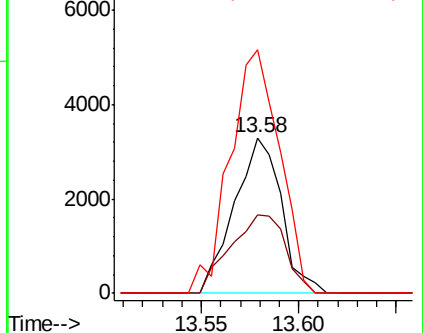
150 164.7 0.0 344.2



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



#74

N-ethyl acetate

Concen: 1.633 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Tgt Ion: 43 Resp: 130

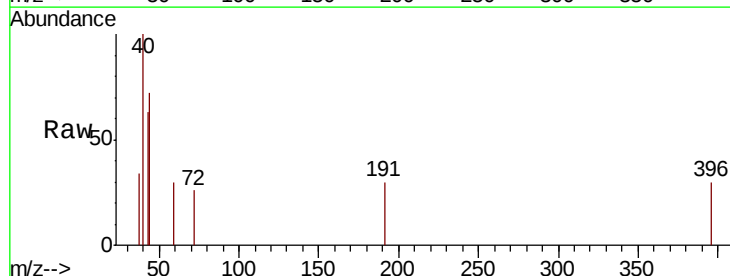
Ion Ratio Lower Upper

43 100

70 0.0 35.8 53.6#

55 0.0 19.4 29.0#

61 43.1 20.4 30.6#

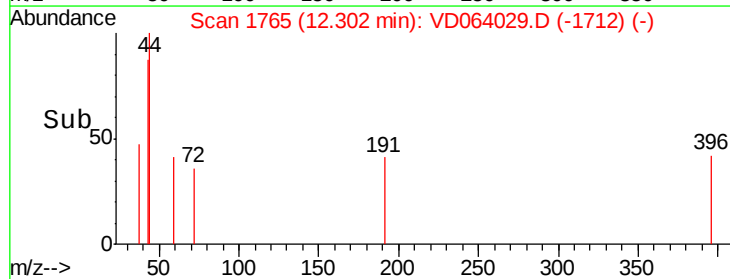
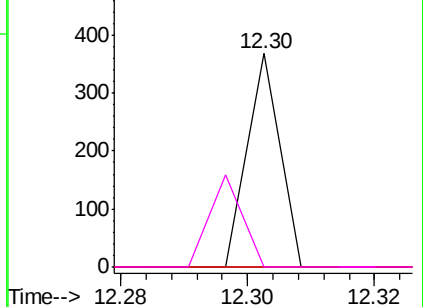


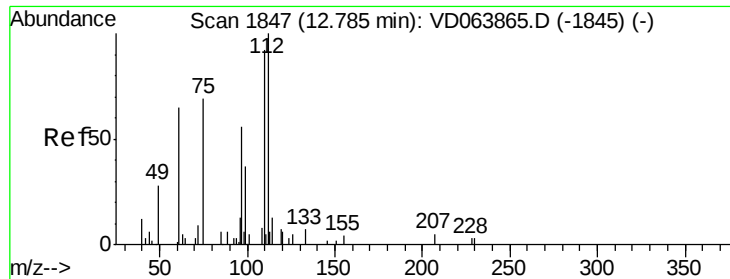
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 80.950 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

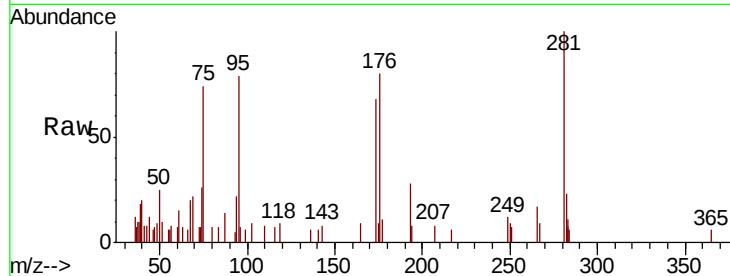
ClientSampled :

Tot Ion: 75 Resp: 2982

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

2500

2000

1500

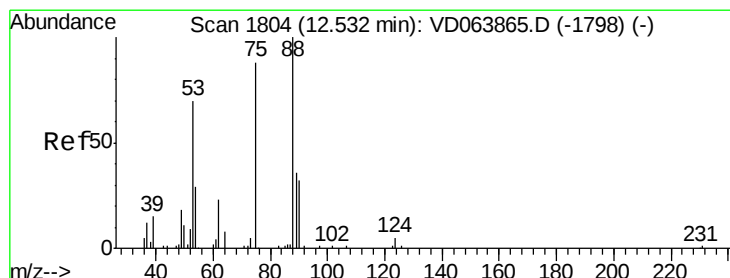
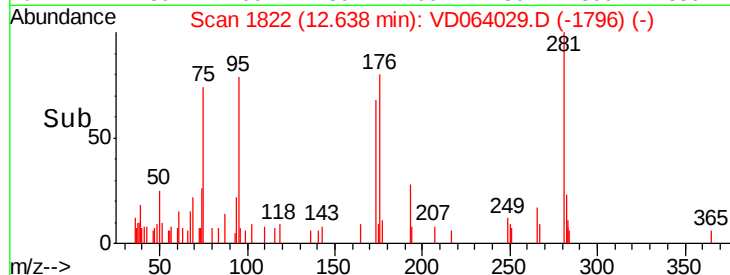
1000

500

0

12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 4.371 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.05 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

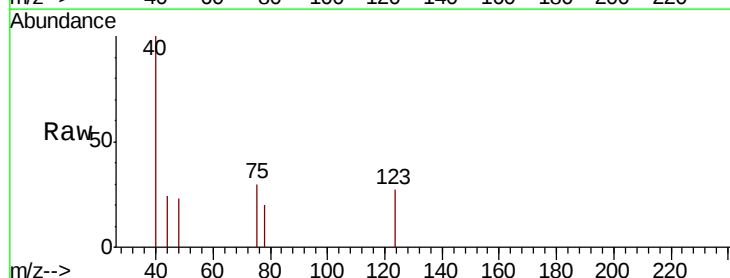
Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

53 62.6 75.0 112.6#

89 0.0 38.2 57.4#



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

300

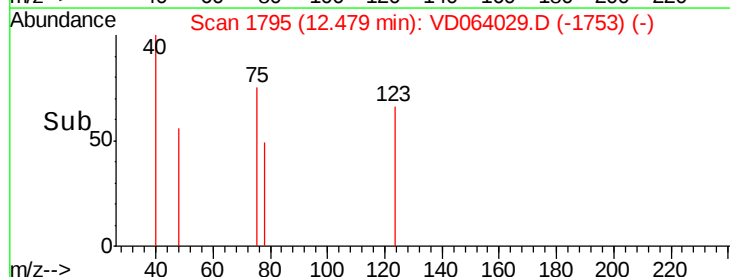
200

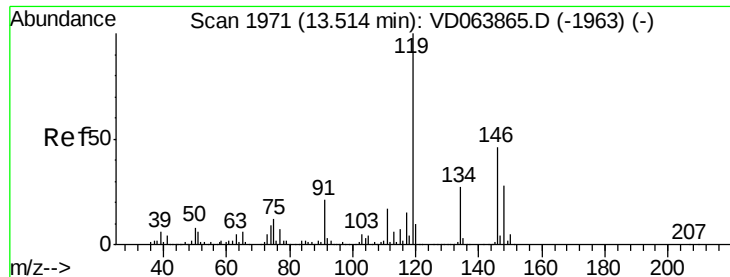
100

0

12.46 12.48

Time-->





#87

1,3-Dichlorobenzene

Concen: 1.110 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.07 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

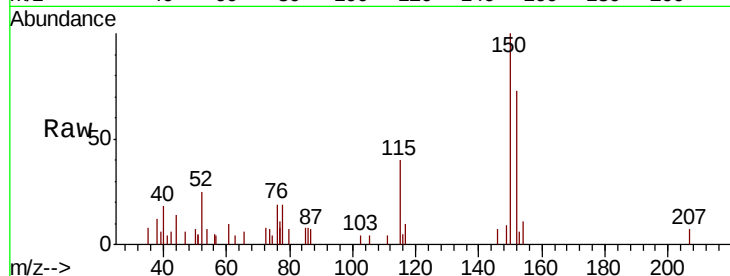
Tot Ion:146 Resp: 202

Ion Ratio Lower Upper

146 100

111 27.7 18.3 54.9

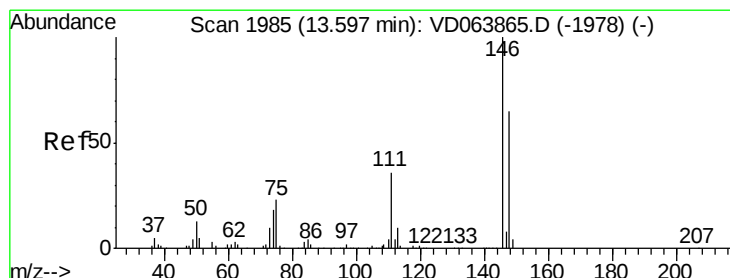
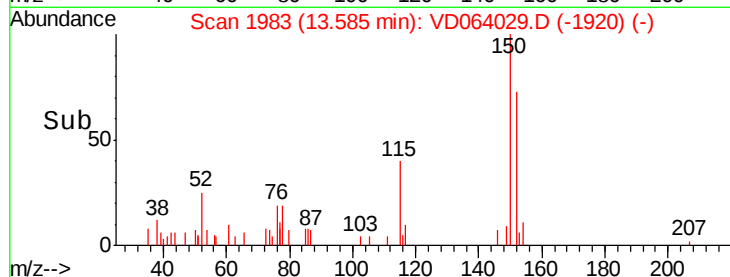
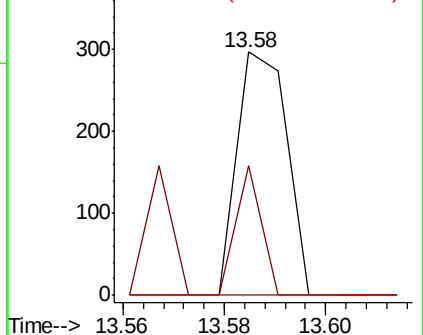
148 0.0 31.8 95.4#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.125 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

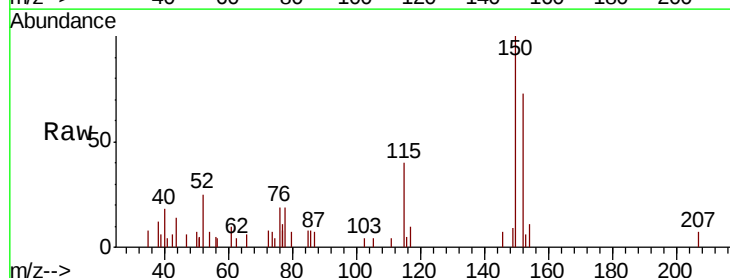
Tgt Ion:146 Resp: 202

Ion Ratio Lower Upper

146 100

111 27.7 18.6 56.0

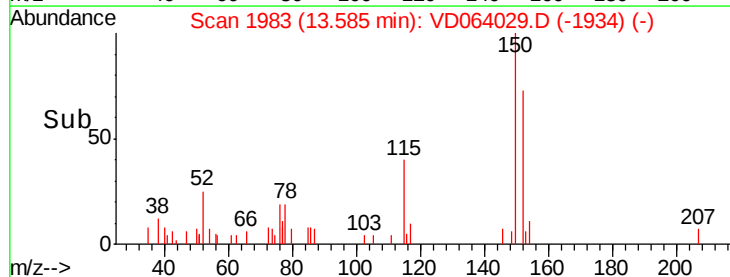
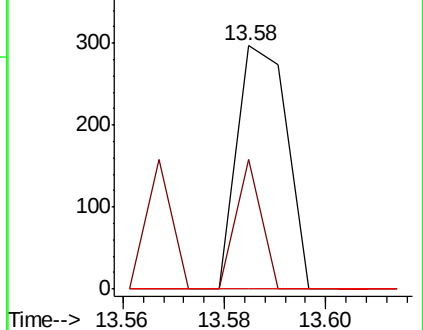
148 0.0 32.6 98.0#

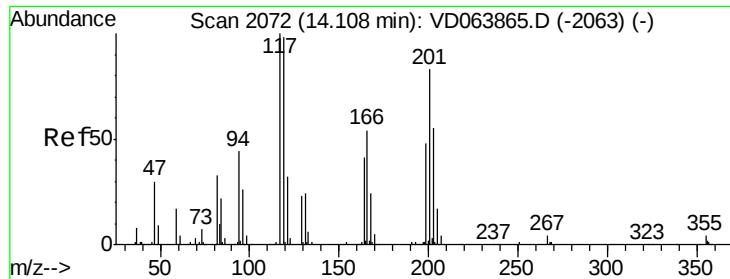


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 1.078 ug/l

RT: 14.21 min Scan# 2089

Delta R.T. 0.10 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

Instrument :

MSVOA_D

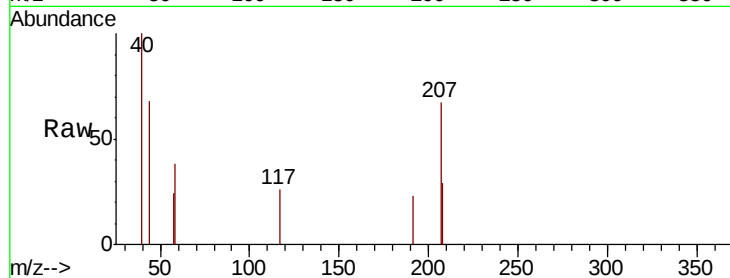
ClientSampleId :

Tot Ion:117 Resp: 68

Ion Ratio Lower Upper

117 100

201 0.0 40.6 121.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.21

200

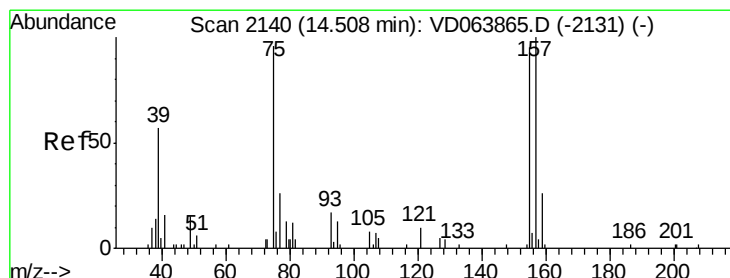
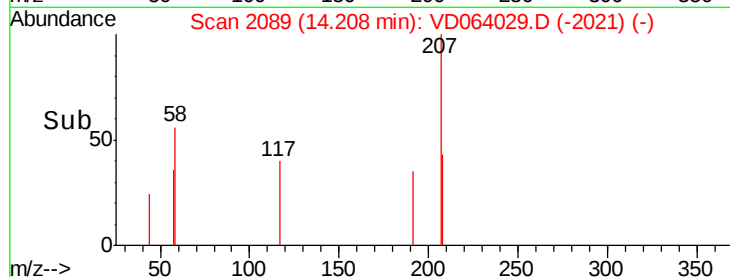
150

100

50

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.881 ug/l

RT: 14.59 min Scan# 2154

Delta R.T. 0.08 min

Lab File: VD064029.D

Acq: 23 Oct 2019 19:08

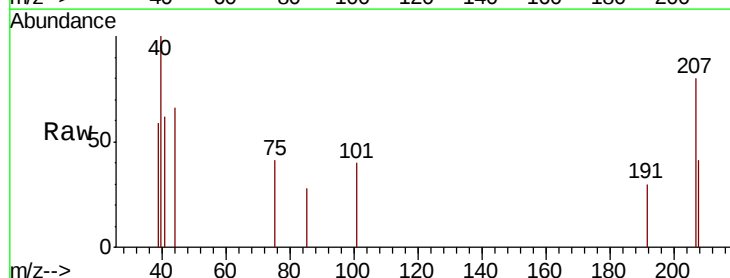
Tgt Ion: 75 Resp: 147

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



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

300

200

100

0

Time-->

