

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063722.D
 Acq On : 21 Aug 2019 19:28
 Operator : JC/SY
 Sample : K4418-04
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

Quant Time: Aug 22 01:28:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	135990	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	210649	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	137257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	38375	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	165199	113.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	227.30%	
35) Dibromofluoromethane	6.92	113	130861	73.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	147.52%	
50) Toluene-d8	10.41	98	212067	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	13.55	95	63060	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	

Target Compounds						Qvalue
5) Bromomethane	2.14	94	631	1.048	ug/l #	11
11) Tert butyl alcohol	4.06	59	224	3.540	ug/l #	71
13) Acrolein	2.99	56	229	3.677	ug/l #	1
16) Acetone	3.21	43	40316	136.436	ug/l	97
18) Methyl Acetate	3.63	43	1499	2.678	ug/l #	57
20) Methylene Chloride	3.81	84	1355	1.060	ug/l #	48
25) 2-Butanone	6.08	43	11348	38.884	ug/l	99
29) Tetrahydrofuran	6.46	42	959	7.052	ug/l #	67
31) Cyclohexane	6.94	56	2959	2.254	ug/l #	47
36) 1,1-Dichloropropene	7.05	75	11852	6.365	ug/l #	50
38) Carbon Tetrachloride	7.03	117	13653	4.865	ug/l #	13
39) Methylcyclohexane	8.87	83	4976	3.142	ug/l #	65
40) Benzene	7.45	78	109261	26.662	ug/l #	87
41) Methacrylonitrile	6.46	41	1033	1.051	ug/l #	73
51) 4-Methyl-2-Pentanone	10.31	43	841	1.176	ug/l #	40
52) Toluene	10.51	92	48429	18.348	ug/l	96
67) Ethyl Benzene	12.53	91	44487	9.946	ug/l	95
68) m/p-Xylenes	12.67	106	94811	60.331	ug/l	87
69) o-Xylene	13.05	106	83399	55.139	ug/l	77
70) Styrene	13.05	104	5946	2.210	ug/l #	1
73) Isopropylbenzene	13.41	105	24015	9.839	ug/l	82
74) N-amyl acetate	13.30	43	3141	5.126	ug/l #	1
76) 1,2,3-Trichloropropane	13.85	75	1766	4.010	ug/l #	1
78) n-propylbenzene	13.78	91	36090	12.637	ug/l	99
79) 2-Chlorotoluene	13.85	91	40041	24.317	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.94	105	181059	84.898	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.55	75	28113	237.496	ug/l #	2
82) 4-Chlorotoluene	13.94	91	21856	11.038	ug/l #	44
83) tert-Butylbenzene	14.24	119	69954	31.149	ug/l #	68
84) 1,2,4-Trimethylbenzene	14.24	105	650650	329.729	ug/l	92
85) sec-Butylbenzene	14.37	105	25572	10.722	ug/l	97
86) p-Isopropyltoluene	14.49	119	58423	25.620	ug/l	98
89) n-Butylbenzene	14.77	91	52742	25.341	ug/l #	1
90) Hexachloroethane	14.98	117	20558	35.867	ug/l #	12

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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

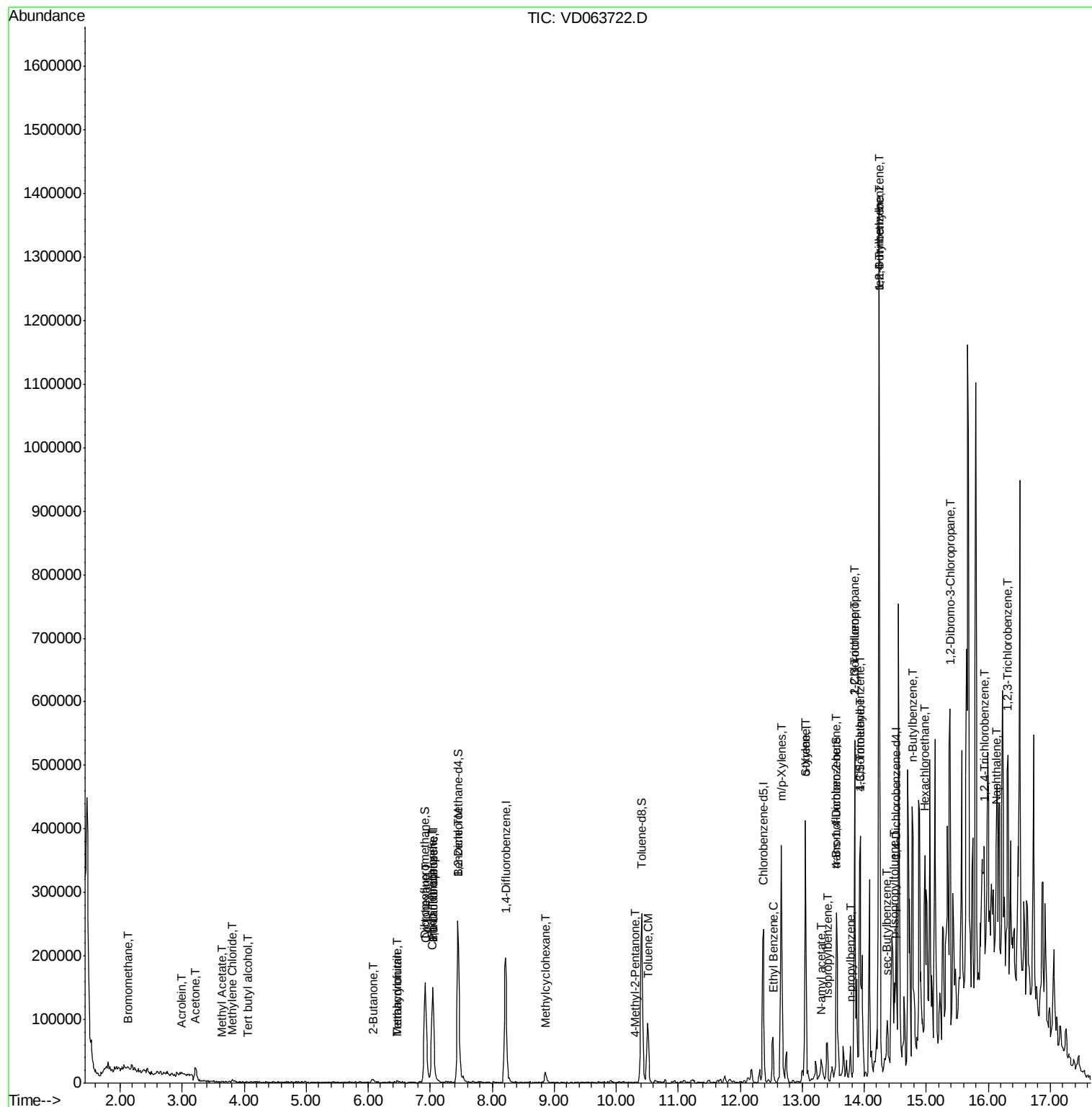
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1128	14.787	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	876	1.163	ug/l #	1
95) Naphthalene	16.12	128	80850	70.819	ug/l #	93
96) 1,2,3-Trichlorobenzene	16.33	180	2335	3.838	ug/l	64

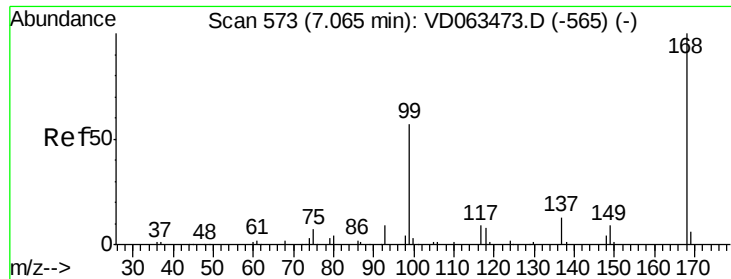
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

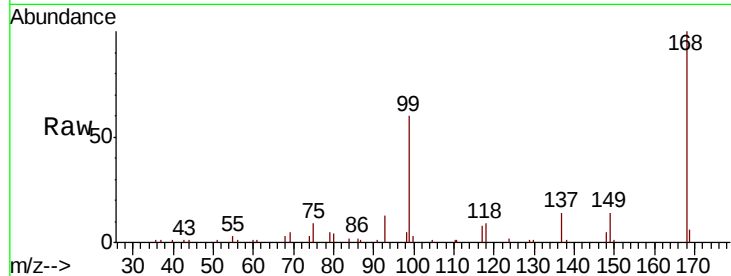
CFVP-228L

Tgt Ion:168 Resp: 135990

Ion Ratio Lower Upper

168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

60000

50000

40000

30000

20000

10000

0

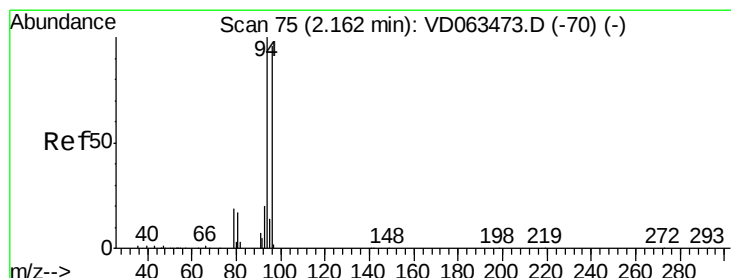
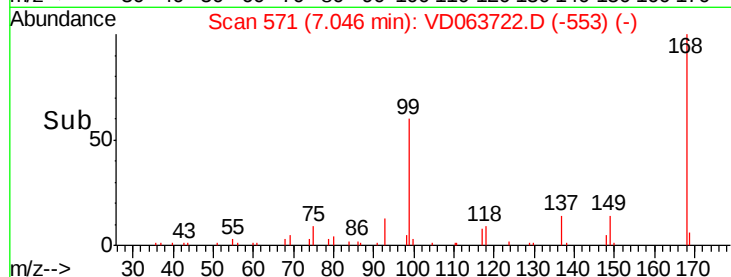
Time-->

6.90

7.00

7.10

7.20



#5

Bromomethane

Concen: 1.048 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

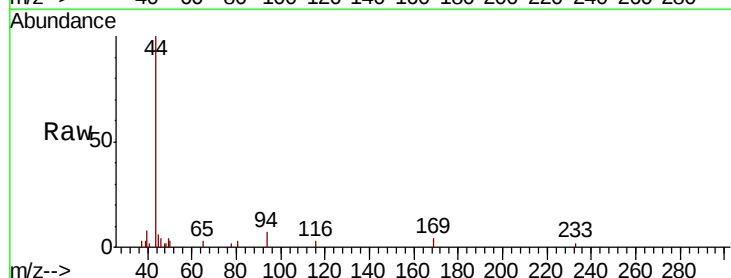
Tgt Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.14

1000

500

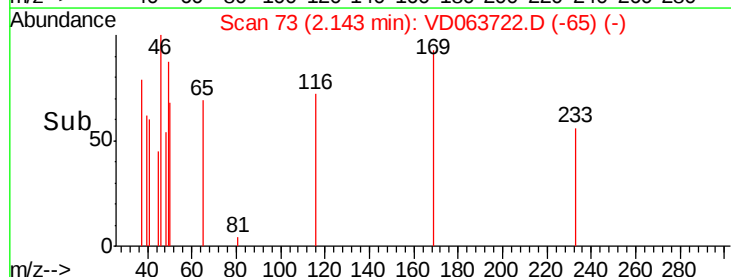
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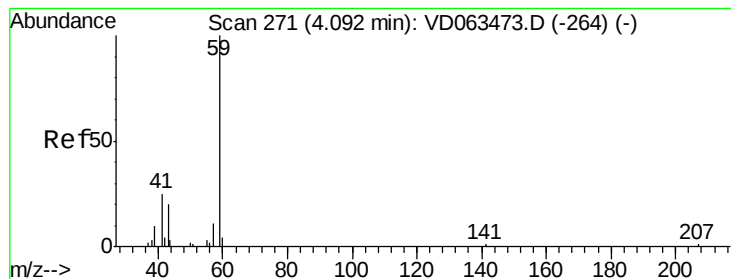
Time-->

2.12

2.14

2.16



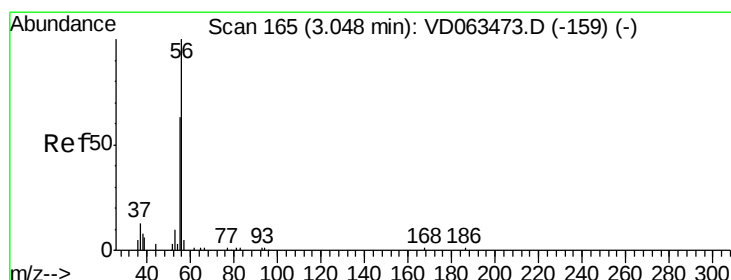
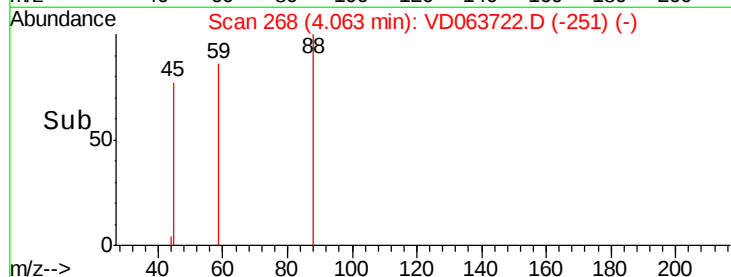
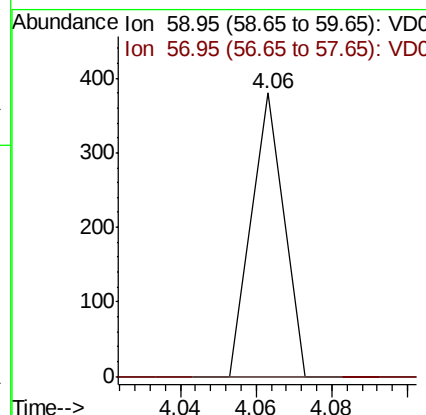
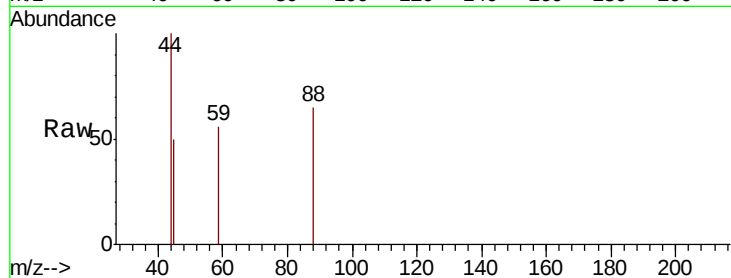


#11

Tert butyl alcohol
Concen: 3.540 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

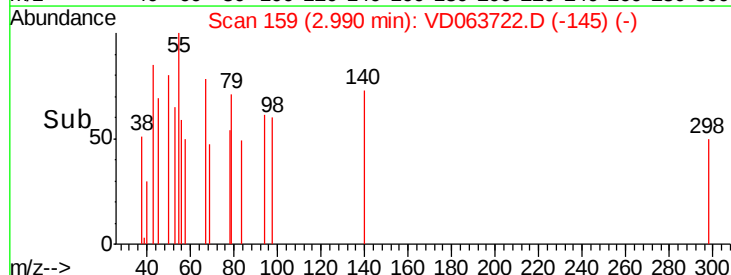
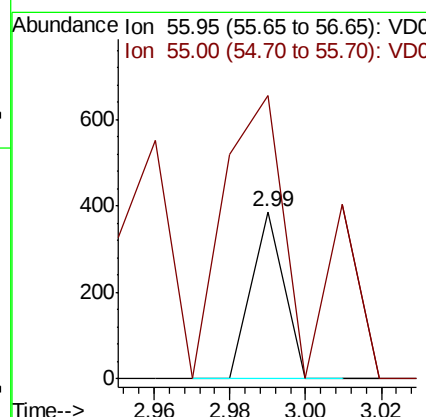
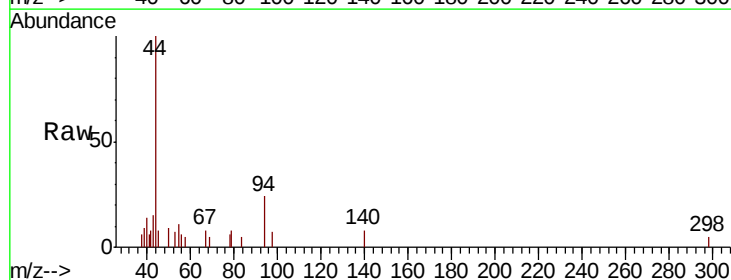
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

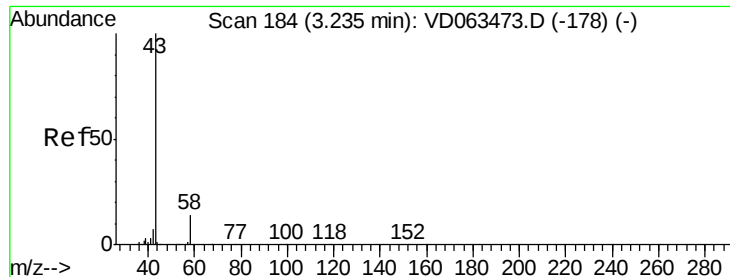


#13

Acrolein
Concen: 3.677 ug/l
RT: 2.99 min Scan# 159
Delta R.T. -0.06 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 169.3 51.3 76.9#





#16

Acetone

Concen: 136.436 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

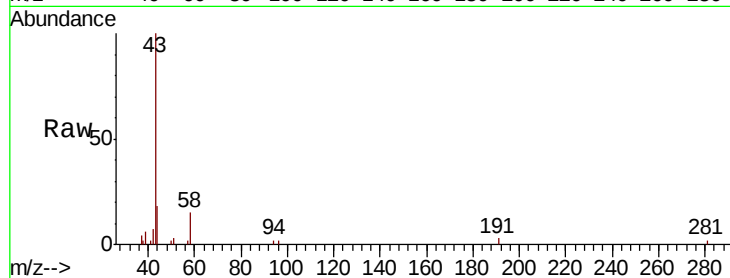
CFVP-228L

Tgt Ion: 43 Resp: 40316

Ion Ratio Lower Upper

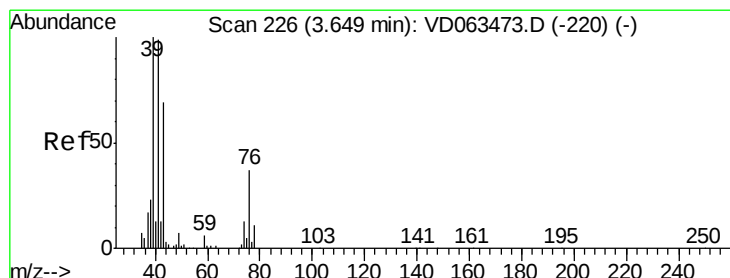
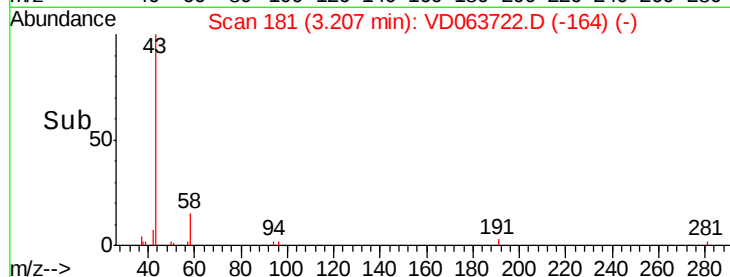
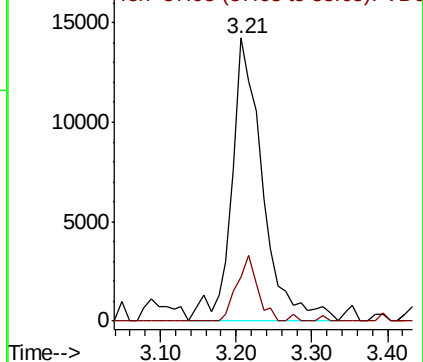
43 100

58 15.4 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.678 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063722.D

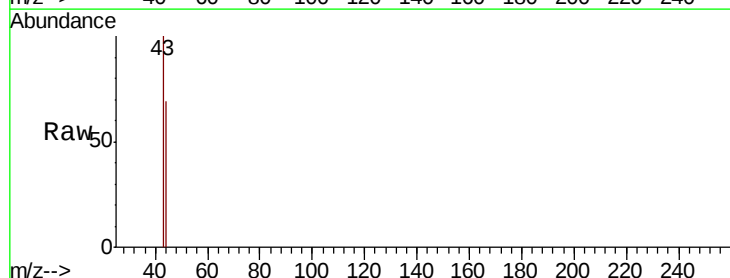
Acq: 21 Aug 2019 19:28

Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

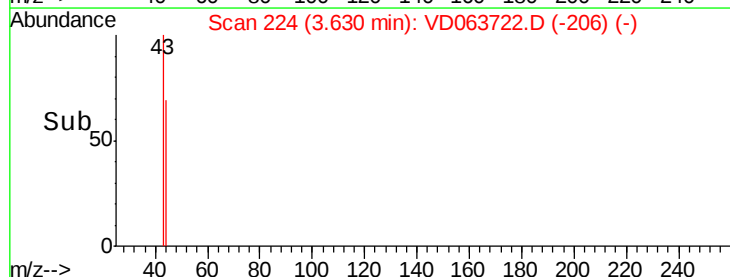
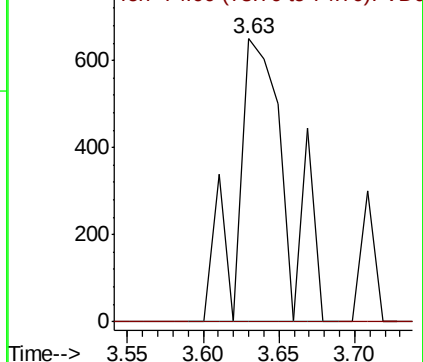
43 100

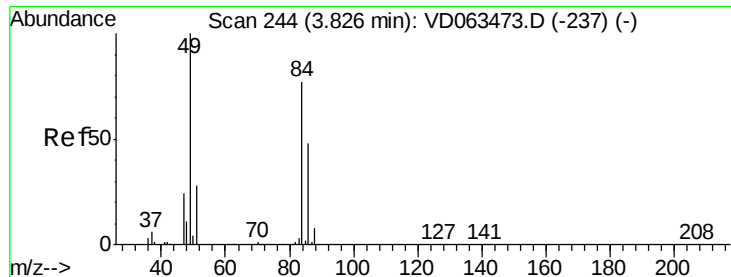
74 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

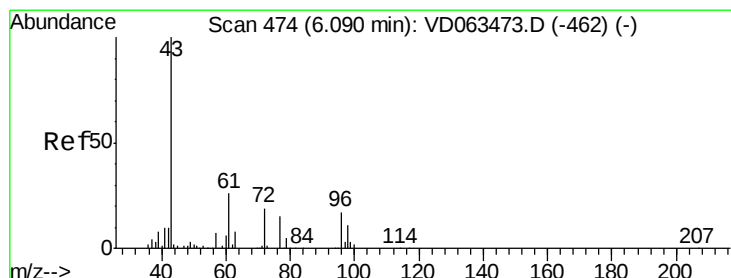
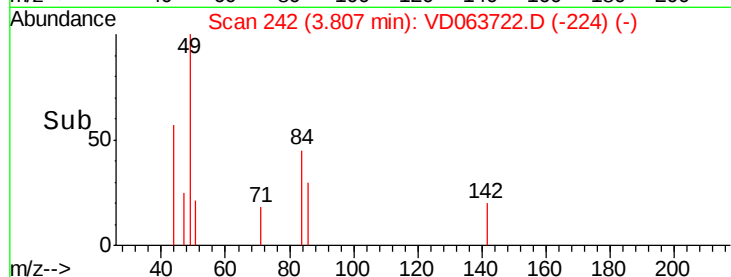
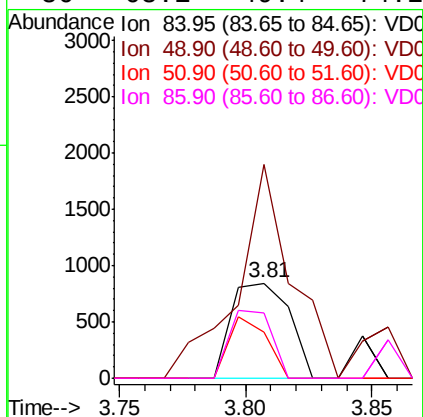
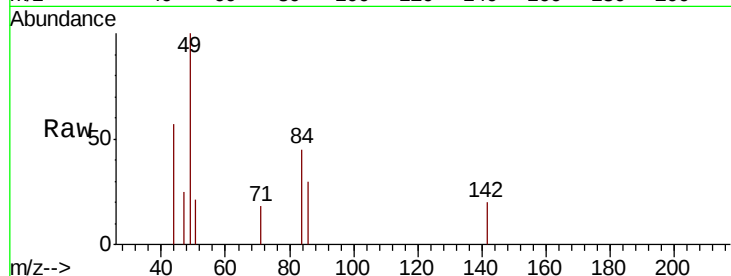




#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

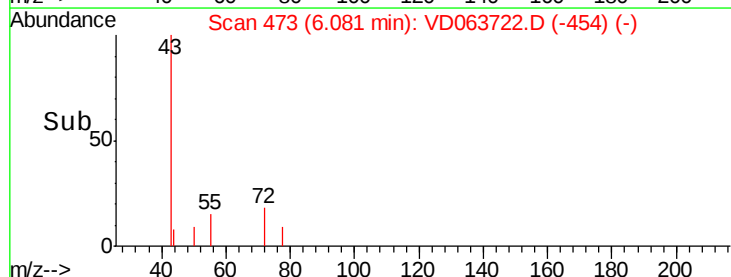
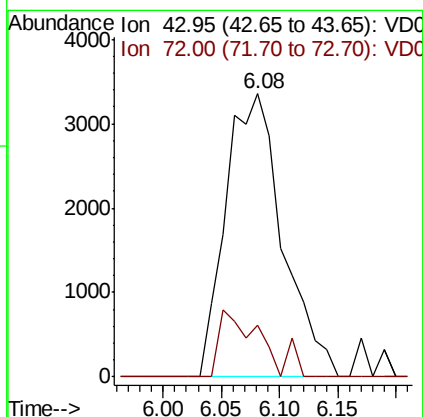
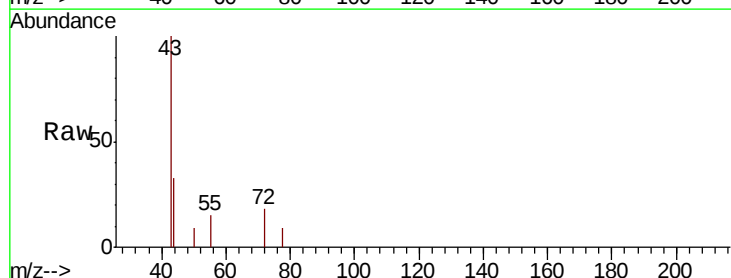
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

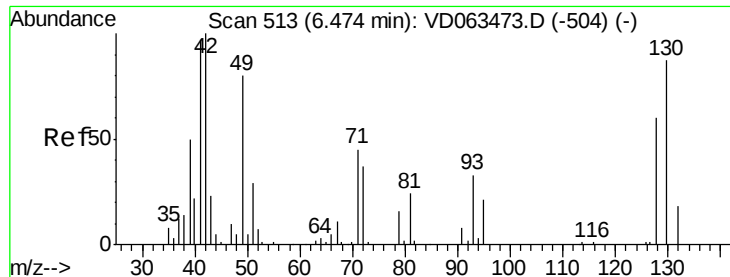
Tgt Ion: 84 Resp: 1355
Ion Ratio Lower Upper
84 100
49 224.0 103.4 155.2#
51 47.8 28.5 42.7#
86 68.1 49.4 74.2



#25
2-Butanone
Concen: 38.884 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion: 43 Resp: 11348
Ion Ratio Lower Upper
43 100
72 18.3 15.1 22.7





#29

Tetrahydrofuran

Concen: 7.052 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampled :

CFVP-228L

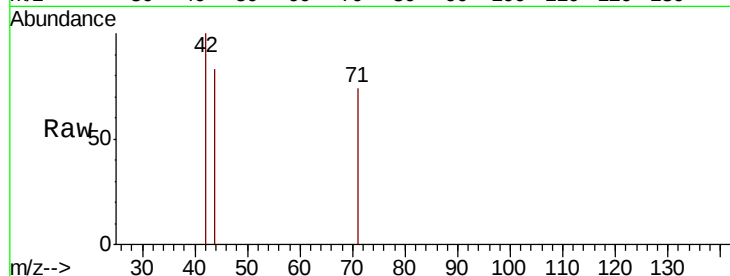
Tgt Ion: 42 Resp: 959

Ion Ratio Lower Upper

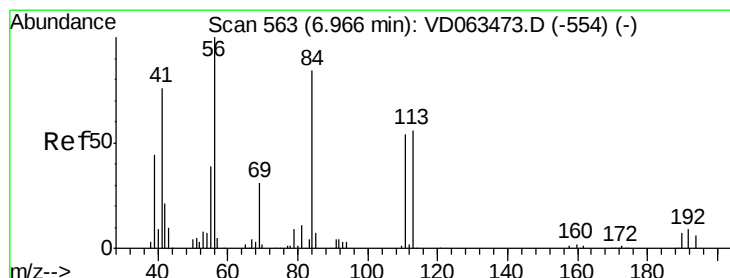
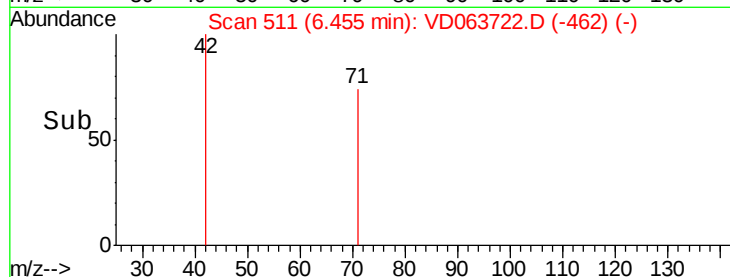
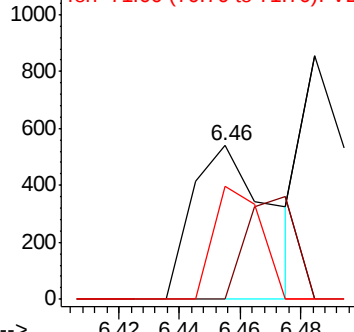
42 100

72 0.0 31.5 47.3#

71 45.3 33.8 50.8



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



#31

Cyclohexane

Concen: 2.254 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

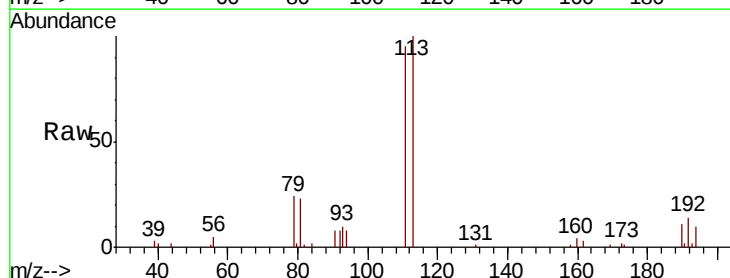
Tgt Ion: 56 Resp: 2959

Ion Ratio Lower Upper

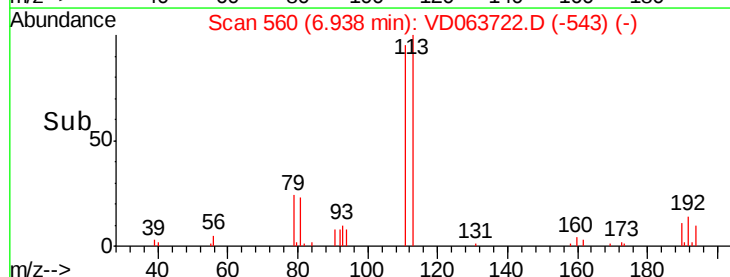
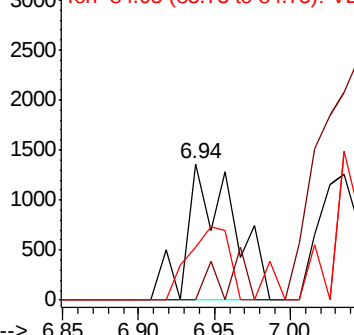
56 100

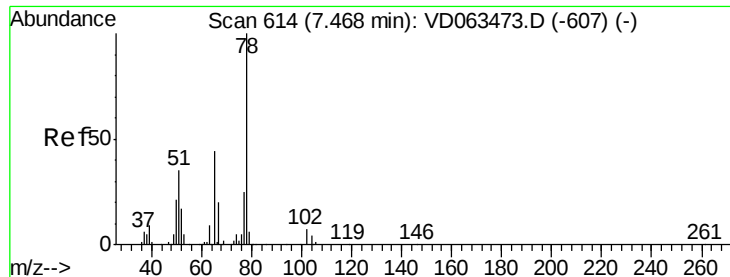
69 0.0 25.0 37.6#

84 39.0 69.7 104.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 113.646 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

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ClientSampleId :

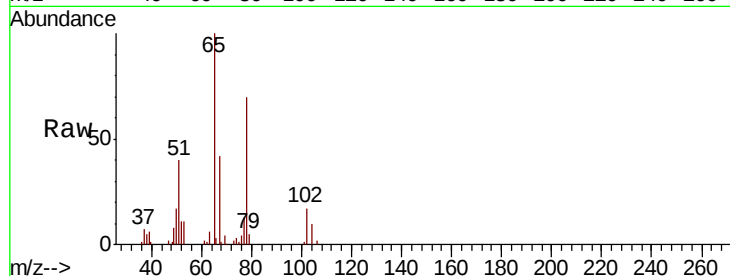
CFVP-228L

Tgt Ion: 65 Resp: 165199

Ion Ratio Lower Upper

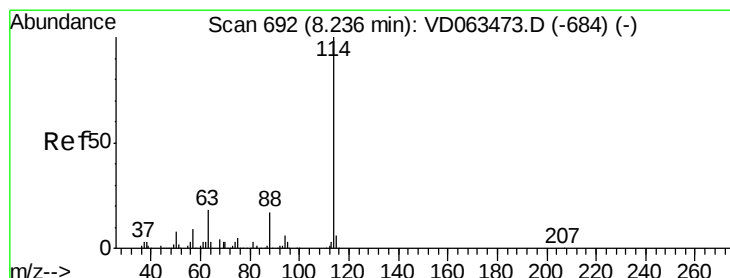
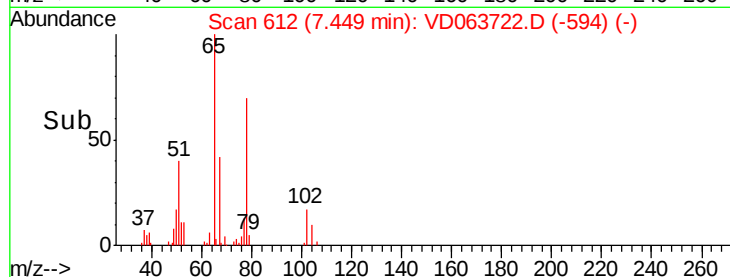
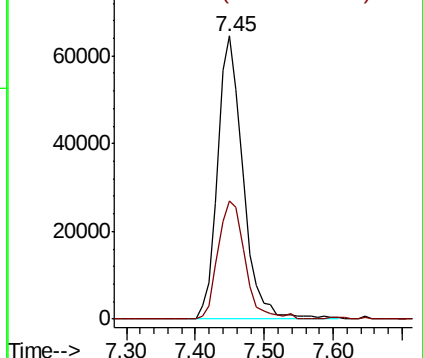
65 100

67 42.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

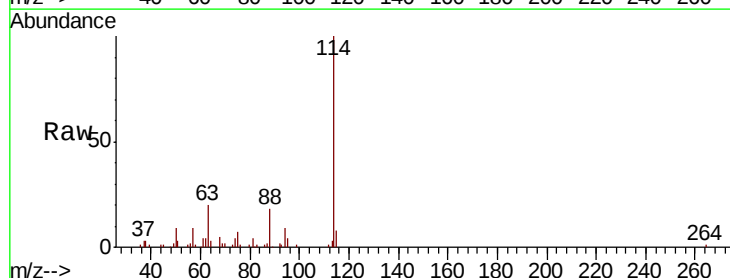
Tgt Ion: 114 Resp: 210649

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.2

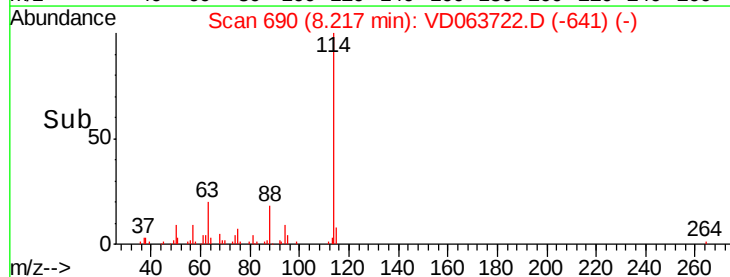
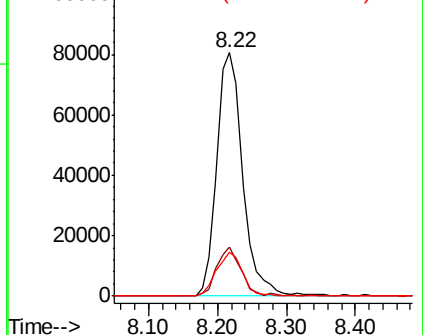
88 18.0 0.0 35.0

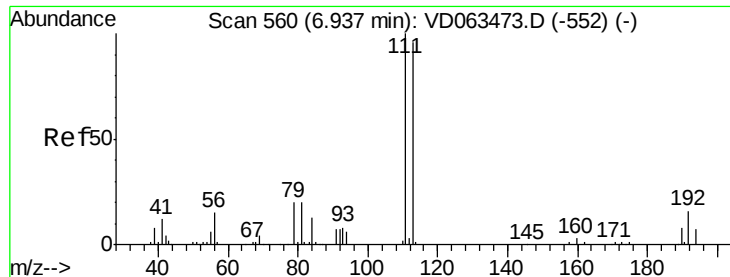


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

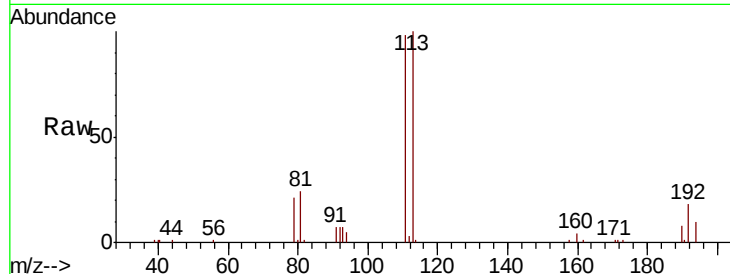




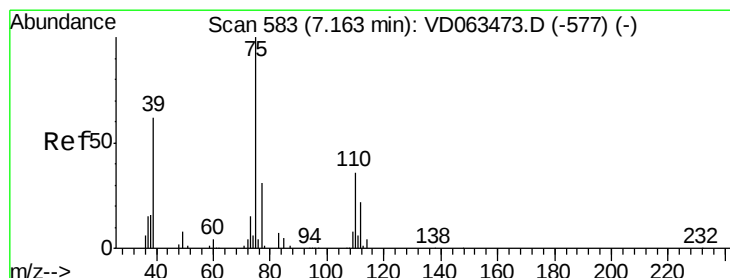
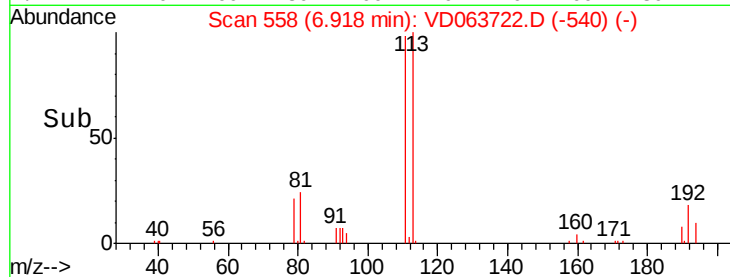
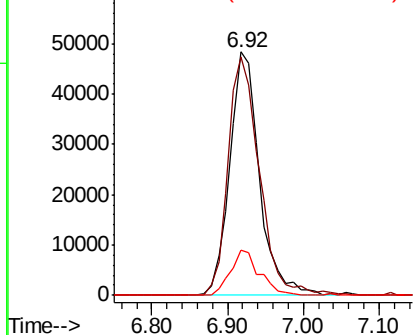
#35
 Dibromofluoromethane
 Concen: 73.762 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.0	83.1	124.7
192	18.3	13.1	19.7

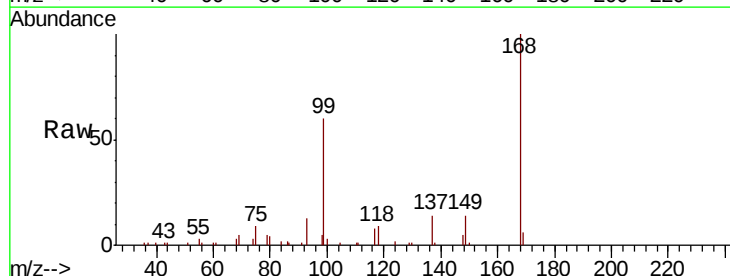


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

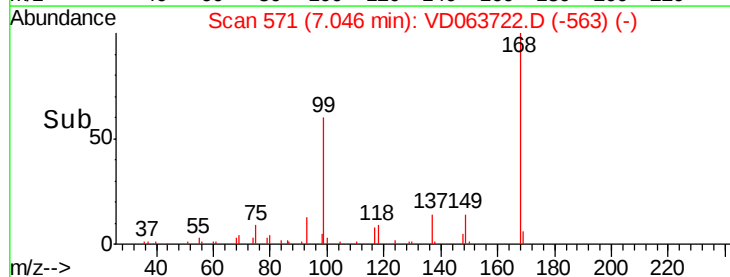
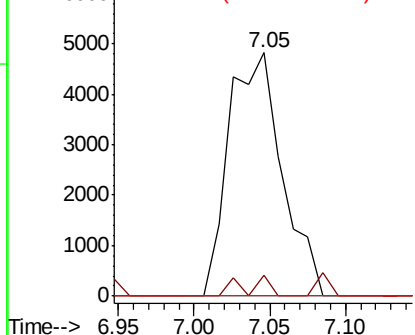


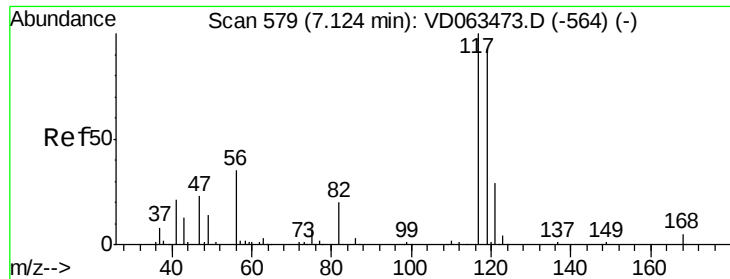
#36
 1,1-Dichloropropene
 Concen: 6.365 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.6	52.8#
77	0.0	24.3	36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.865 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

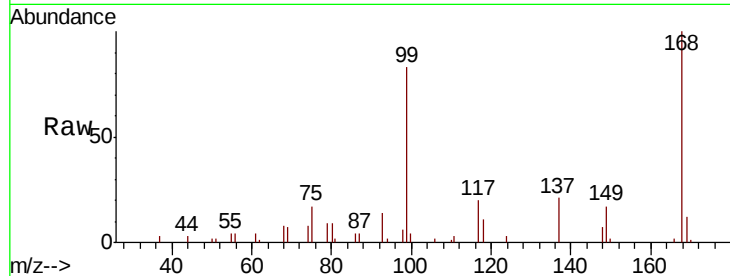
Tgt Ion:117 Resp: 13653

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

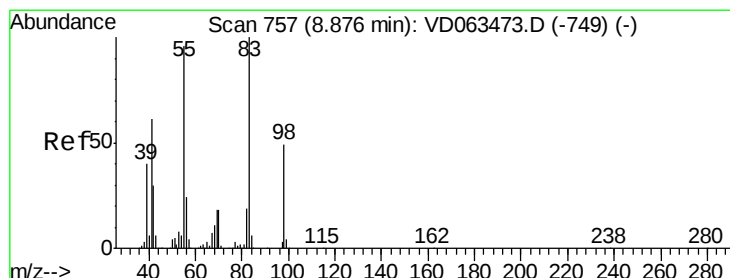
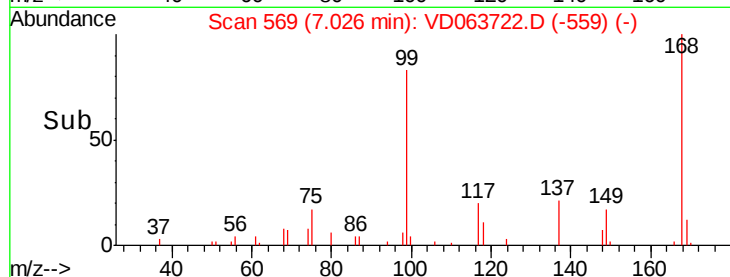
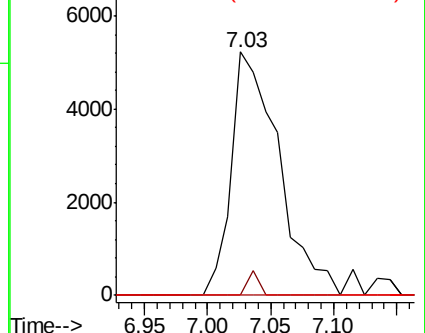
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 3.142 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

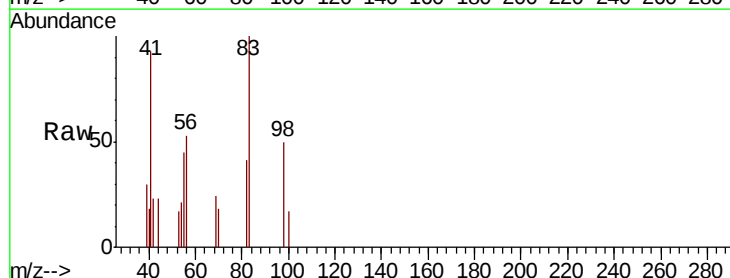
Tgt Ion: 83 Resp: 4976

Ion Ratio Lower Upper

83 100

55 45.1 76.6 114.8#

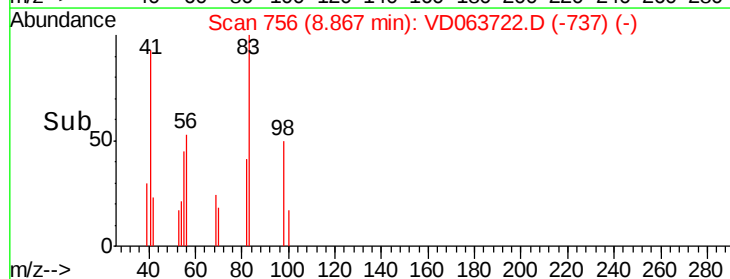
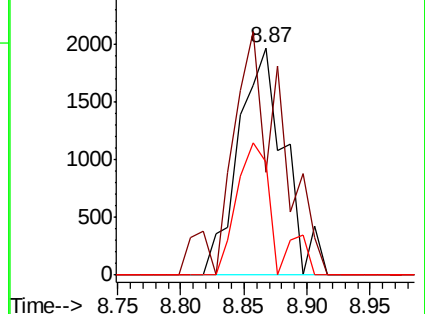
98 49.8 39.4 59.0

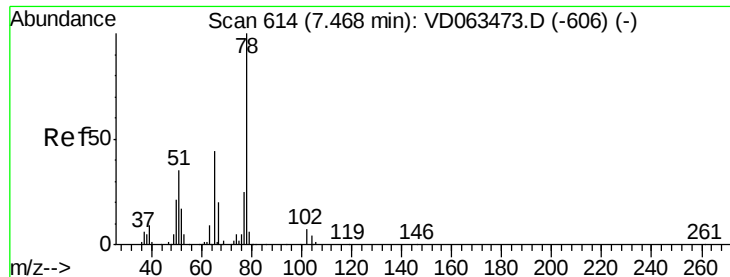


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 26.662 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

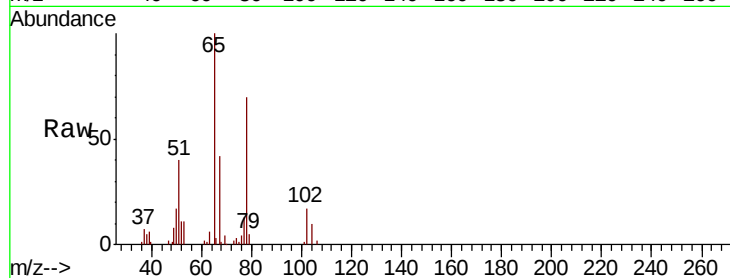
CFVP-228L

Tgt Ion: 78 Resp: 109261

Ion Ratio Lower Upper

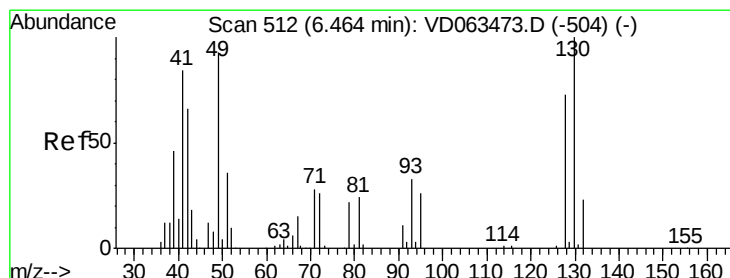
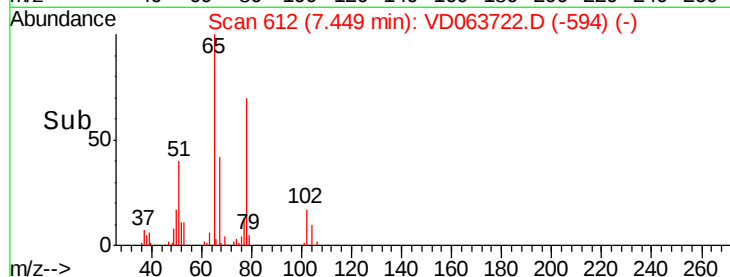
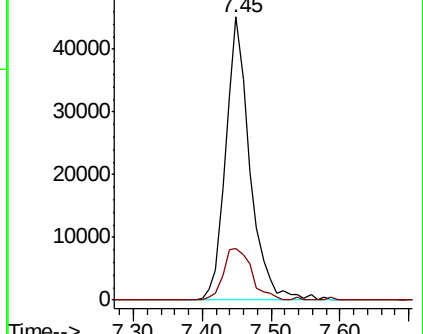
78 100

77 18.3 20.1 30.1#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 1.051 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Tgt Ion: 41 Resp: 1033

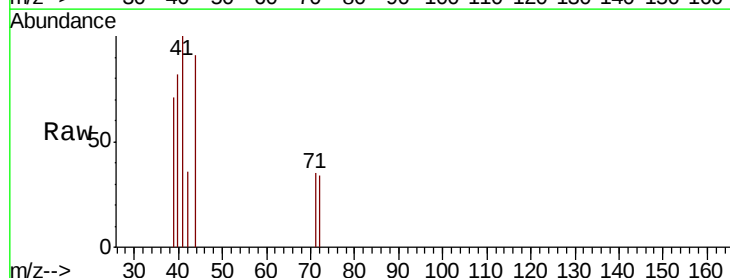
Ion Ratio Lower Upper

41 100

39 71.2 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

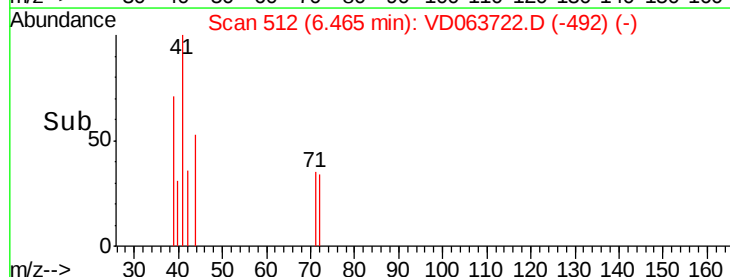
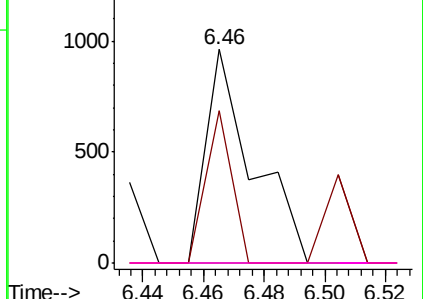


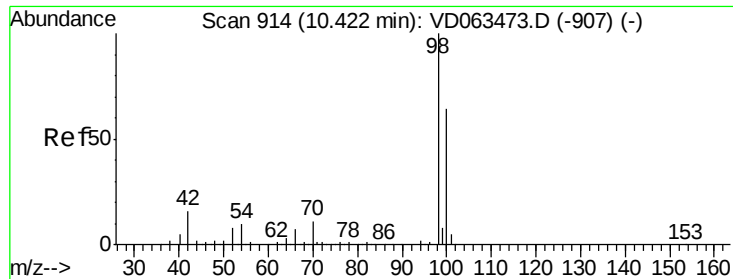
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

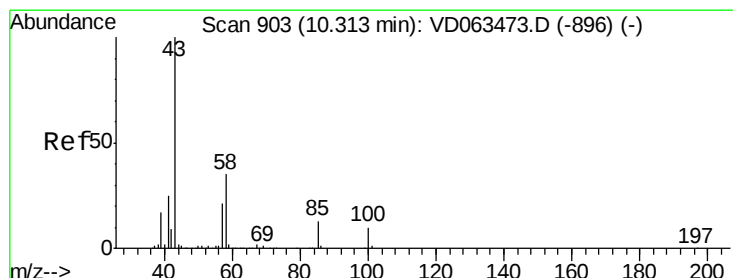
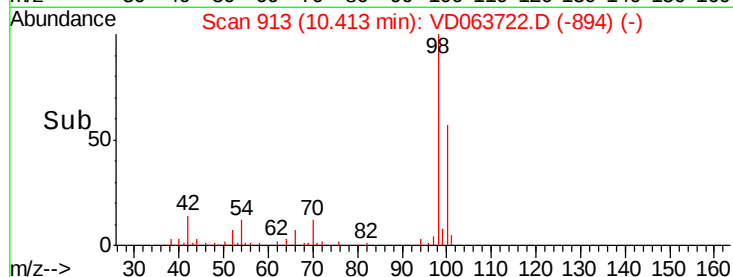
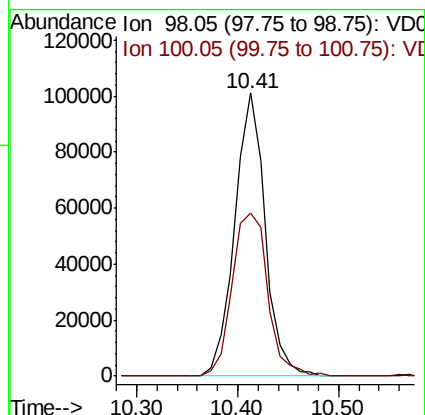
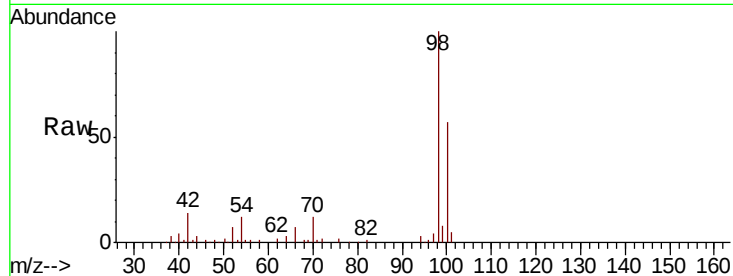




#50
Toluene-d8
Concen: 54.370 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

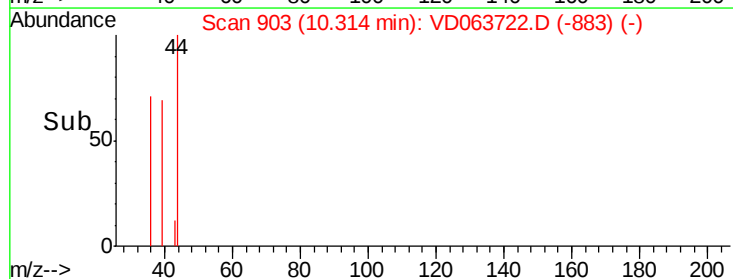
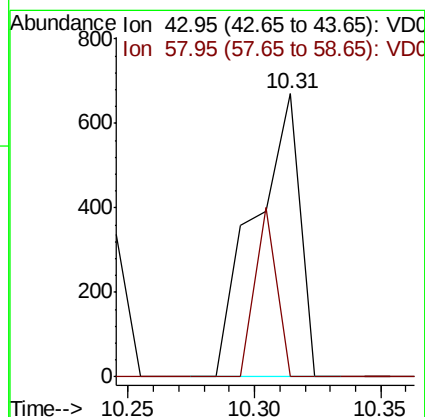
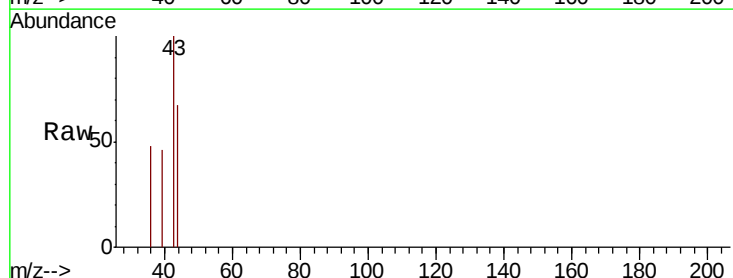
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

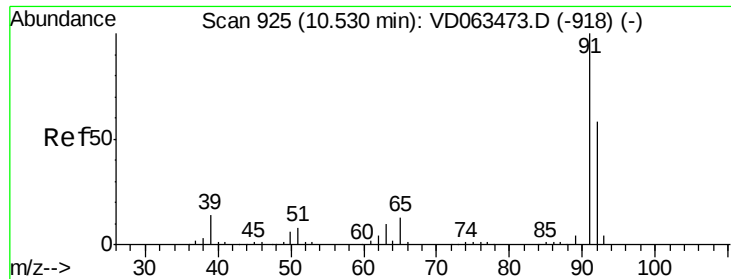
Tgt Ion: 98 Resp: 212067
Ion Ratio Lower Upper
98 100
100 57.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.00 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#52

Toluene

Concen: 18.348 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

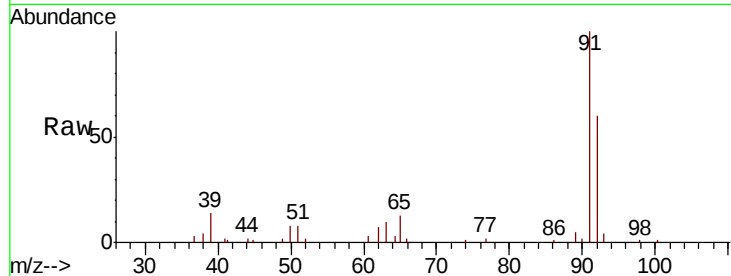
CFVP-228L

Tgt Ion: 92 Resp: 48429

Ion Ratio Lower Upper

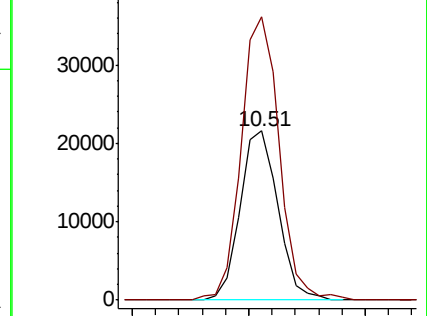
92 100

91 167.3 137.9 206.9

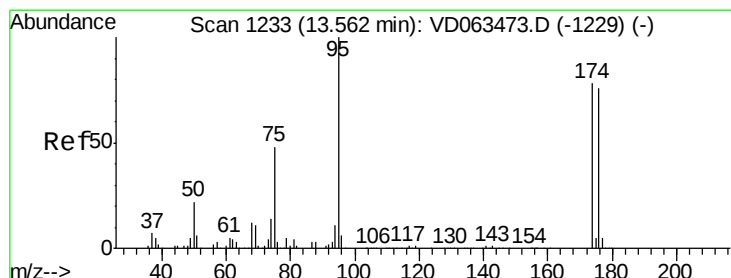
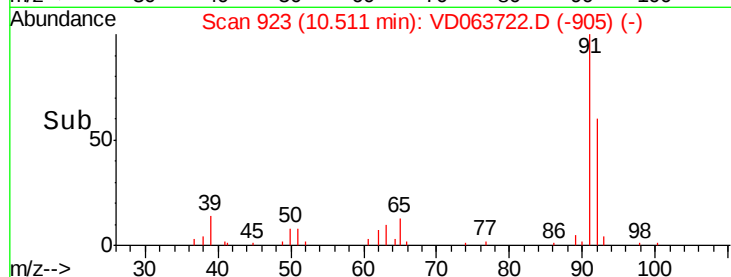


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 35.671 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

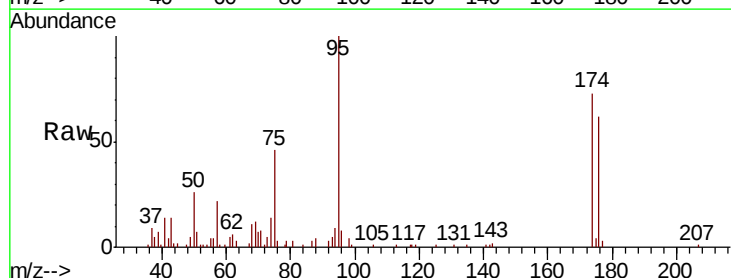
Tgt Ion: 95 Resp: 63060

Ion Ratio Lower Upper

95 100

174 72.6 0.0 155.4

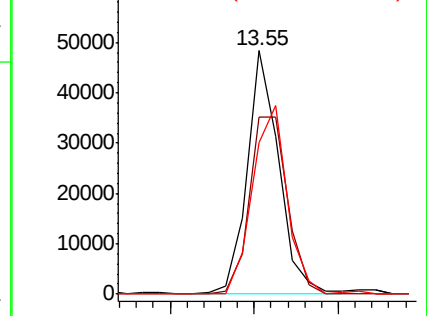
176 62.2 0.0 152.4



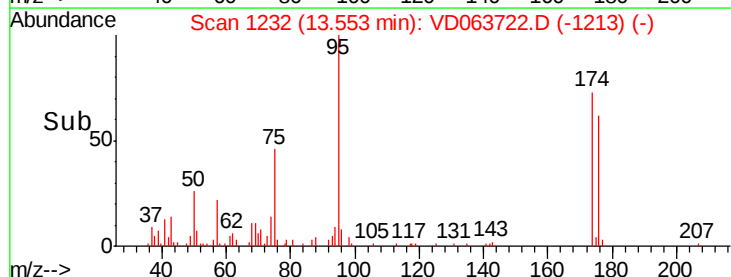
Abundance Ion 95.00 (94.70 to 95.70): VDC

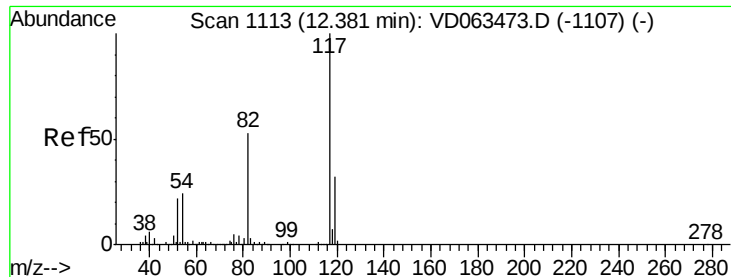
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

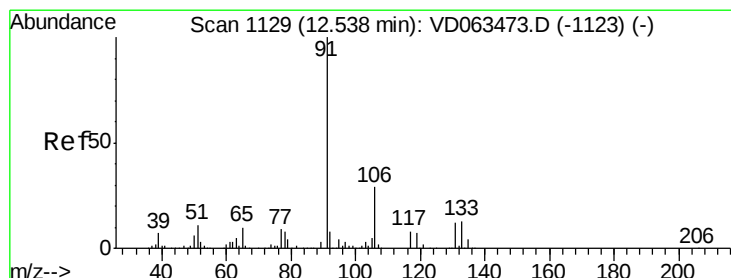
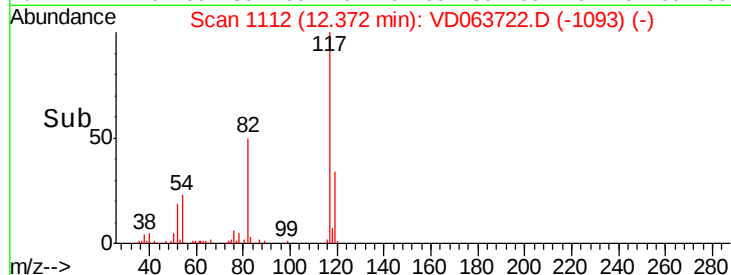
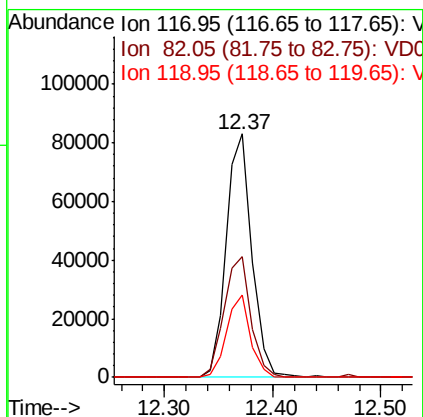
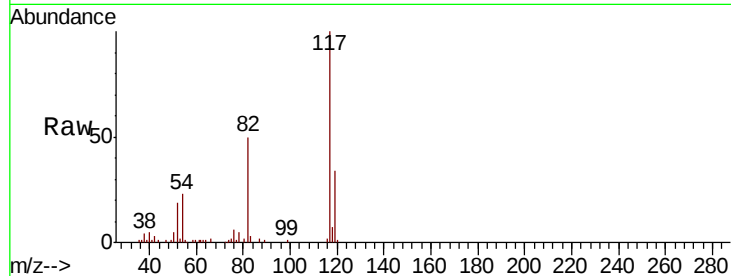




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

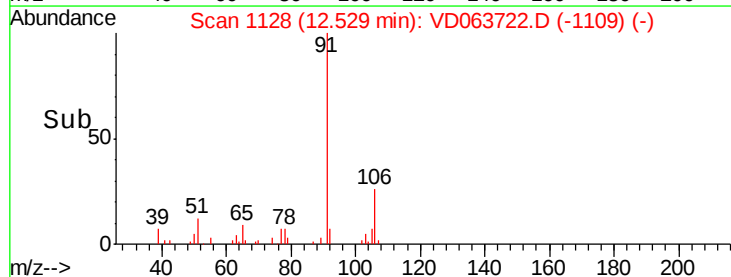
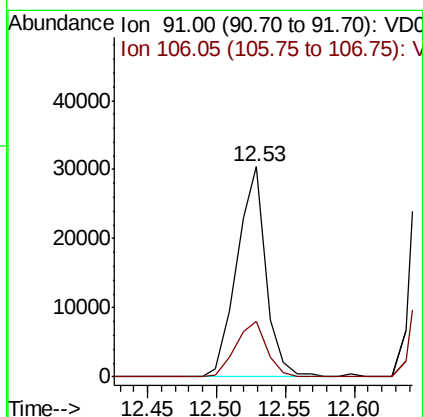
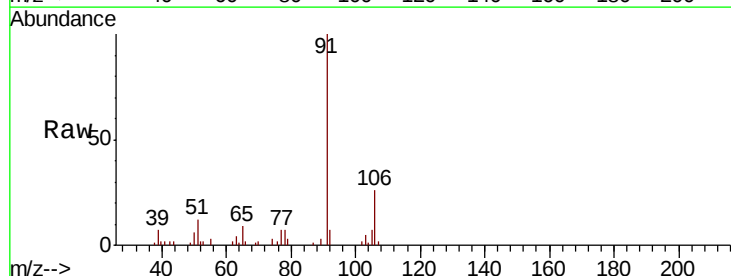
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

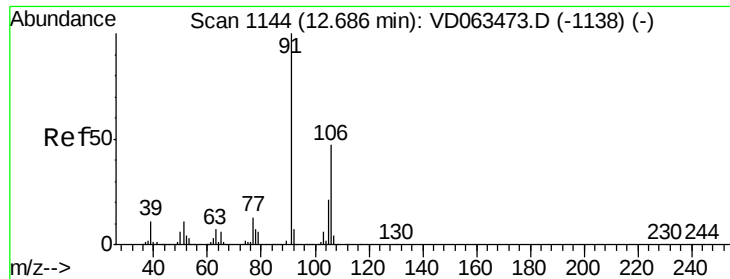
Tgt Ion: 117 Resp: 137257
Ion Ratio Lower Upper
117 100
82 49.6 42.0 63.0
119 33.6 25.4 38.0



#67
Ethyl Benzene
Concen: 9.946 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion: 91 Resp: 44487
Ion Ratio Lower Upper
91 100
106 26.5 23.1 34.7

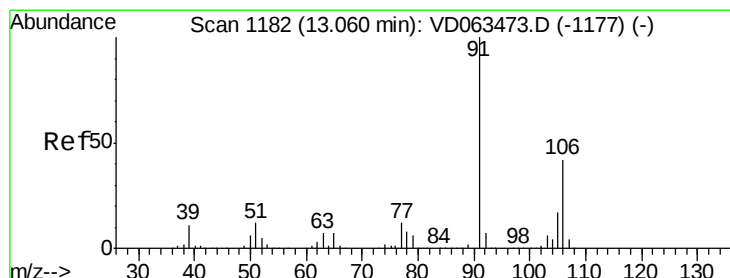
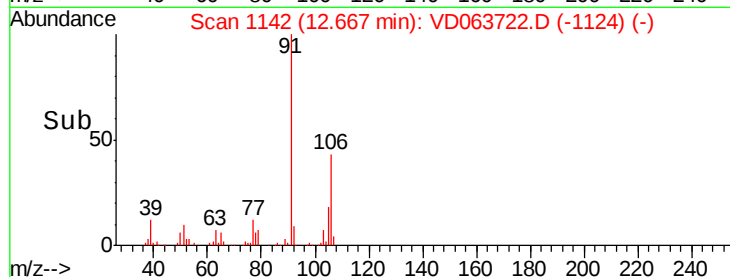
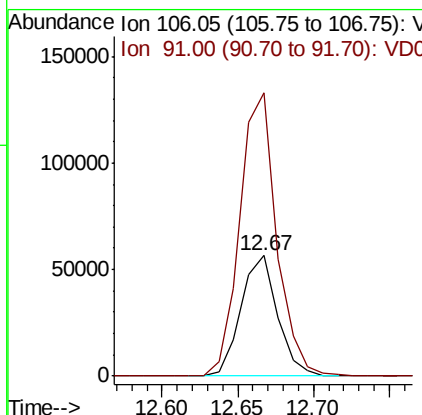
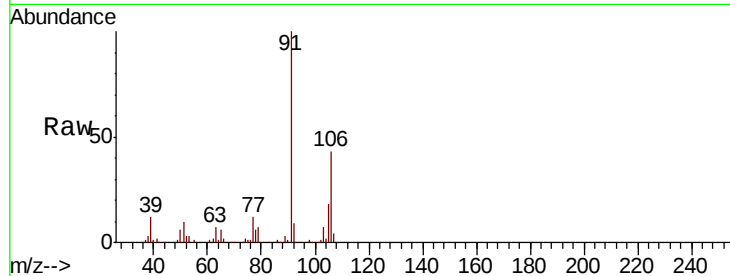




#68
m/p-Xylenes
Concen: 60.331 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

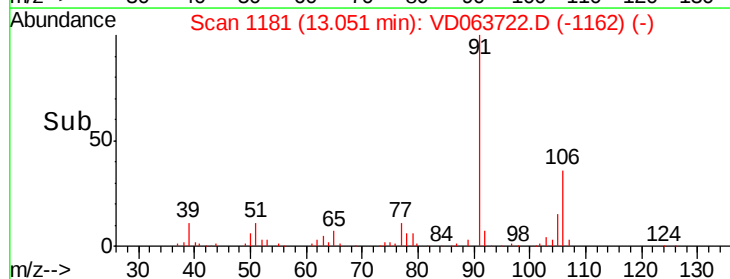
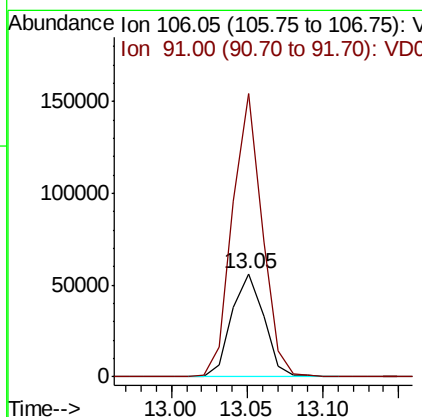
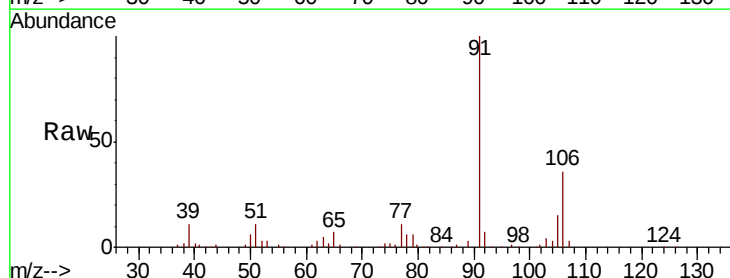
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

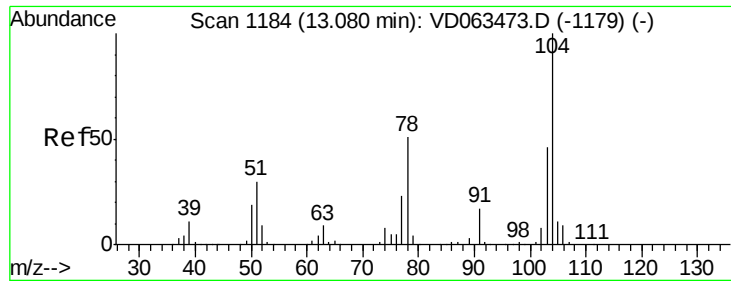
Tgt Ion:106 Resp: 94811
Ion Ratio Lower Upper
106 100
91 234.9 171.8 257.8



#69
o-Xylene
Concen: 55.139 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion:106 Resp: 83399
Ion Ratio Lower Upper
106 100
91 274.3 118.1 354.2

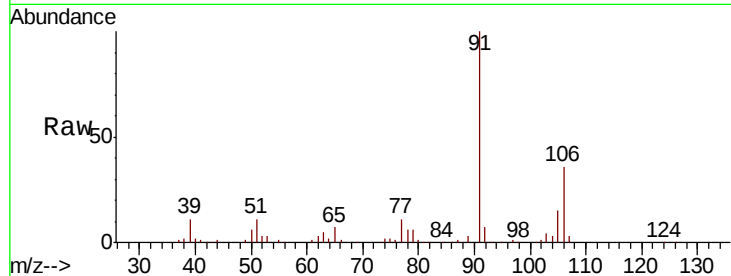




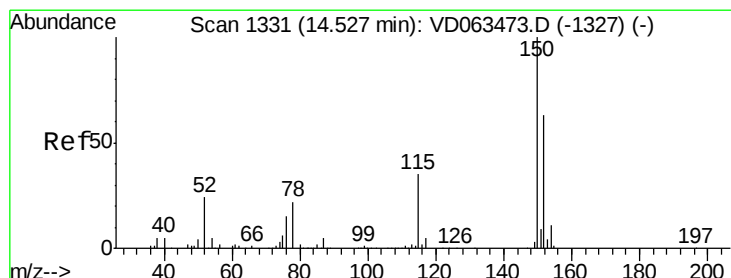
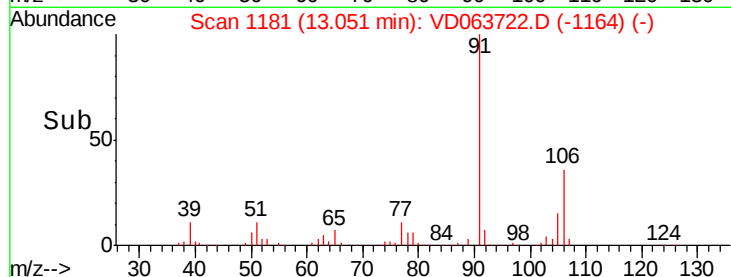
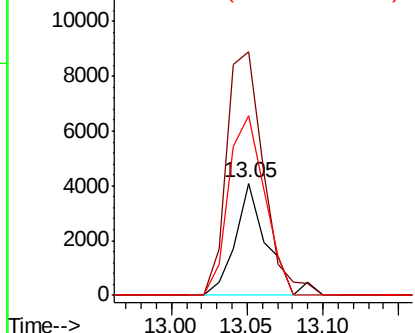
#70
Styrene
Concen: 2.210 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

Tgt Ion:104 Resp: 5946
Ion Ratio Lower Upper
104 100
78 217.7 40.8 61.2#
103 160.1 36.4 54.6#

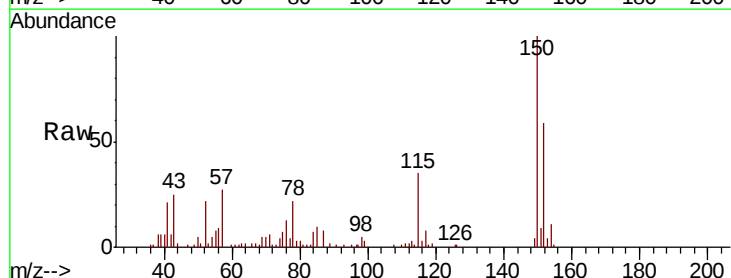


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

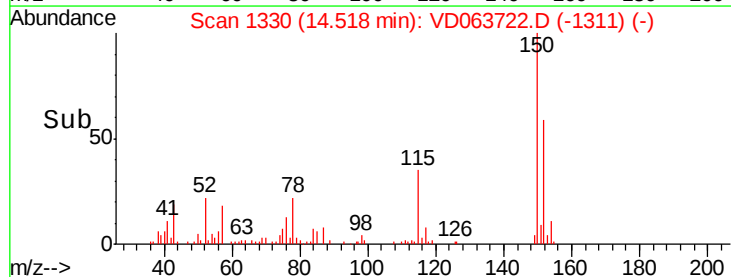
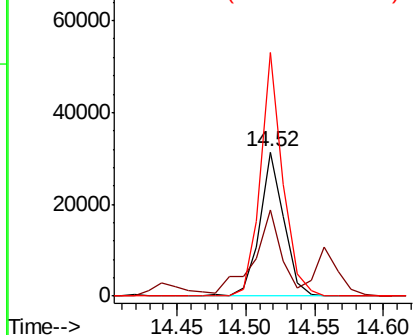


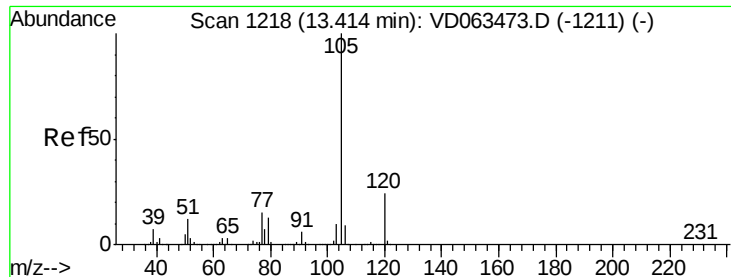
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion:152 Resp: 38375
Ion Ratio Lower Upper
152 100
115 59.9 30.9 92.7
150 169.3 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.839 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

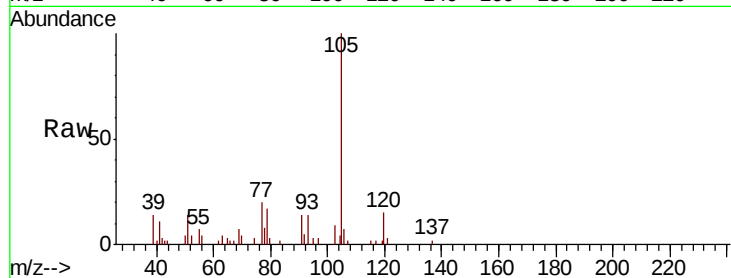
CFVP-228L

Tgt Ion: 105 Resp: 24015

Ion Ratio Lower Upper

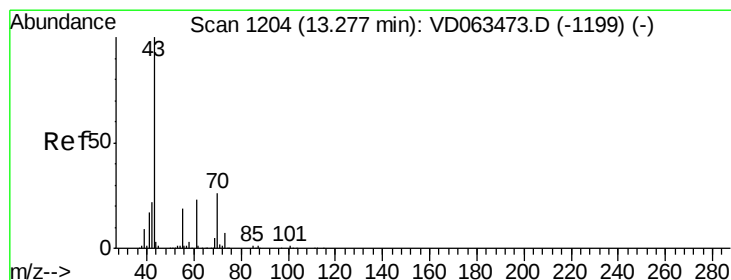
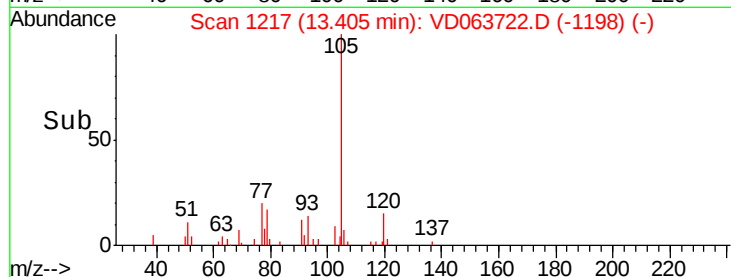
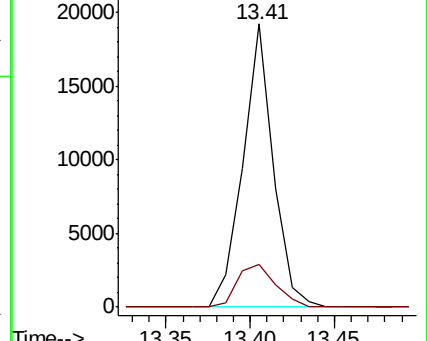
105 100

120 15.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 5.126 ug/l

RT: 13.30 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Tgt Ion: 43 Resp: 3141

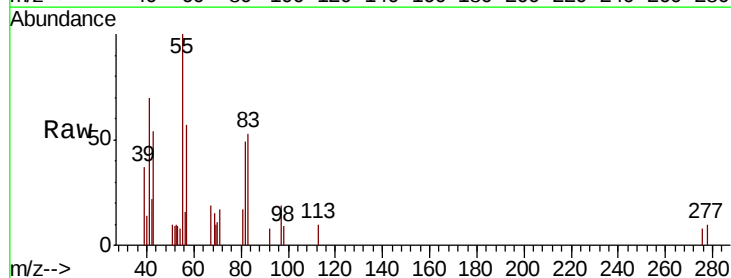
Ion Ratio Lower Upper

43 100

70 19.6 21.1 31.7#

55 185.8 15.4 23.0#

61 0.0 18.2 27.2#

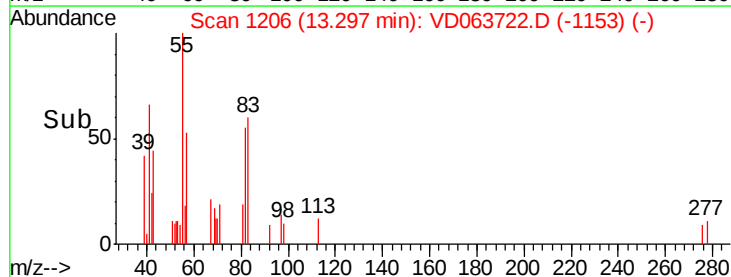
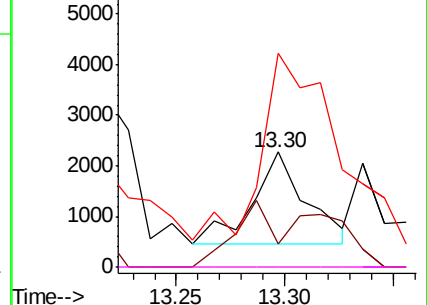


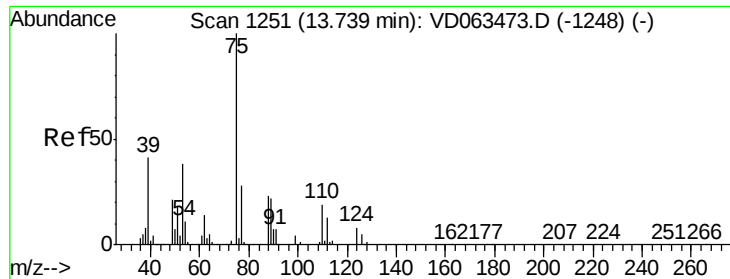
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

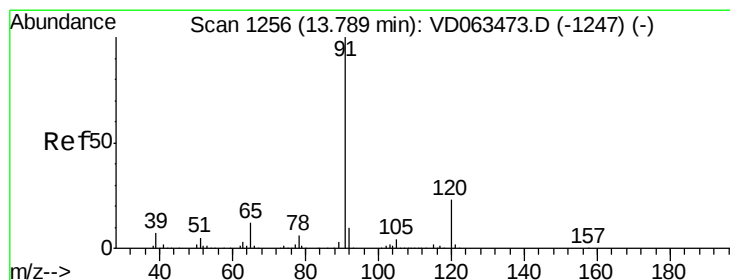
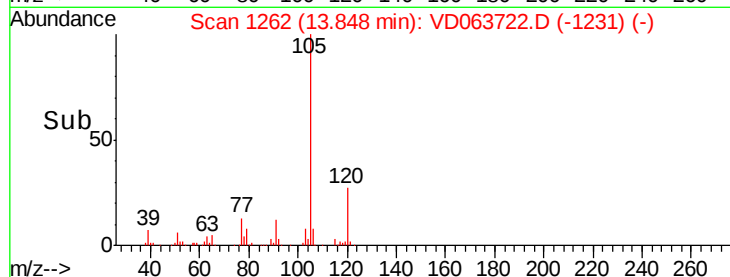
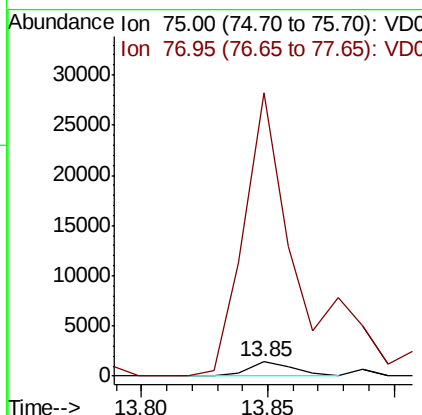
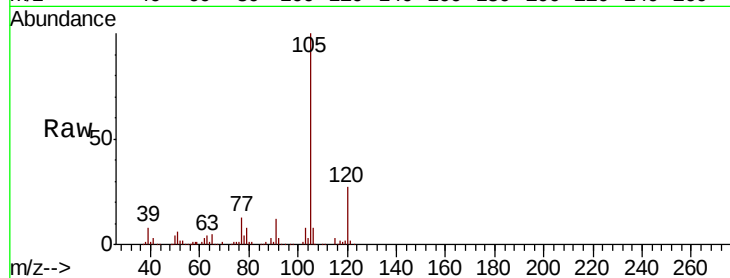




#76
 1,2,3-Trichloropropane
 Concen: 4.010 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.11 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

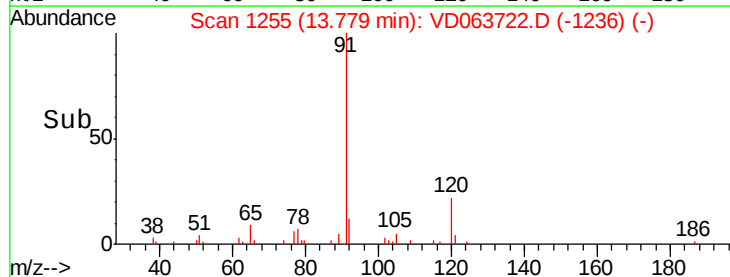
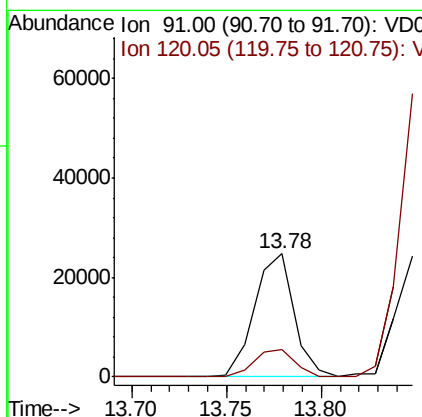
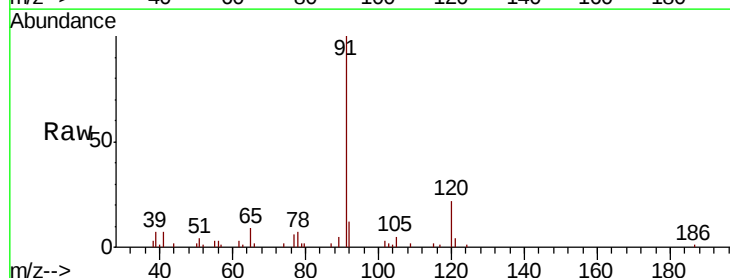
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

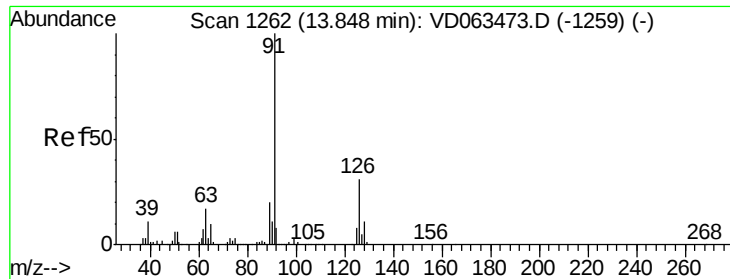
Tgt Ion: 75 Resp: 1766
 Ion Ratio Lower Upper
 75 100
 77 1967.3 15.1 45.3#



#78
 n-propylbenzene
 Concen: 12.637 ug/l
 RT: 13.78 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion: 91 Resp: 36090
 Ion Ratio Lower Upper
 91 100
 120 22.2 11.3 33.9

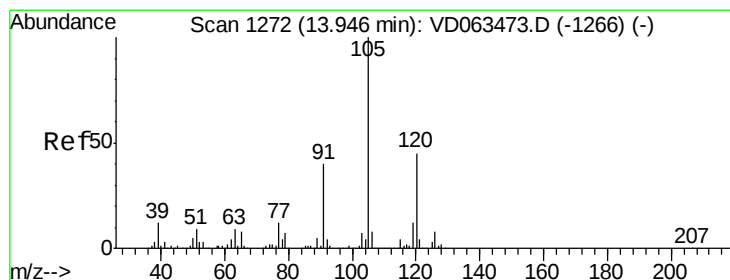
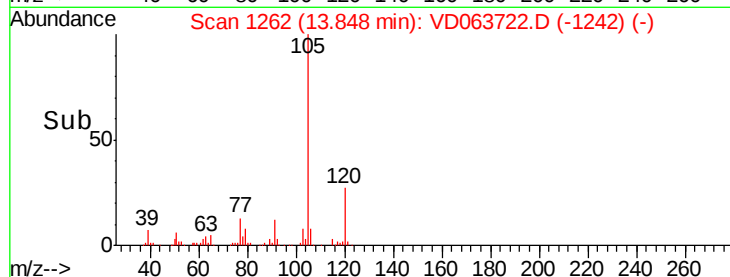
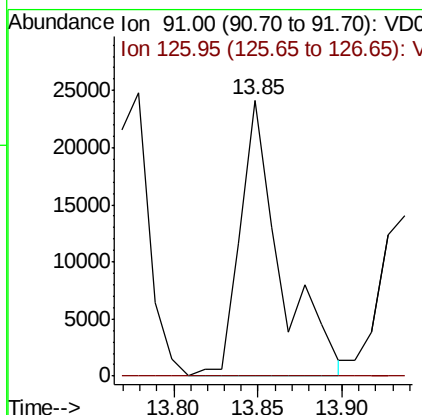
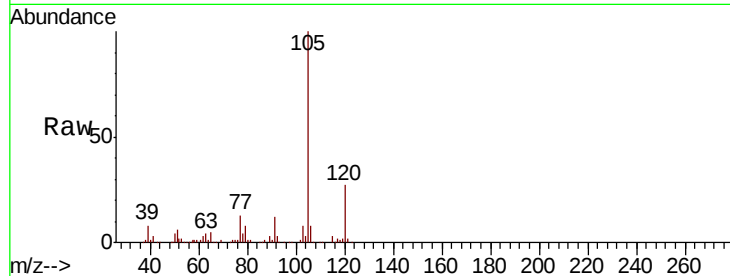




#79
 2-Chlorotoluene
 Concen: 24.317 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

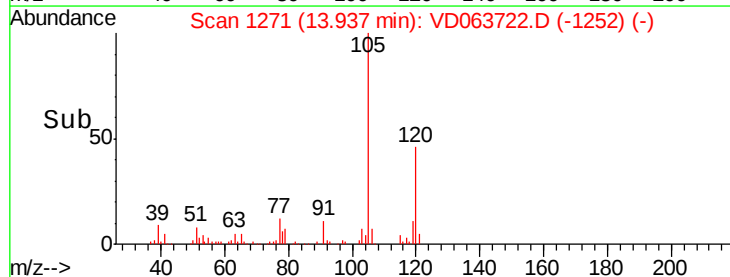
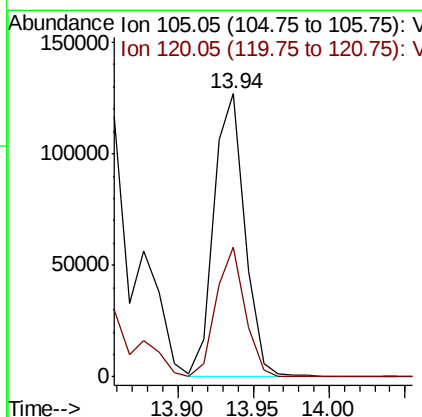
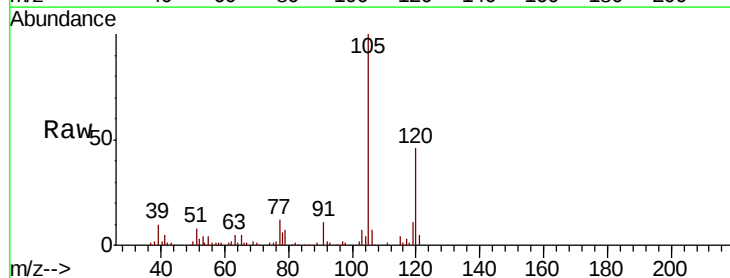
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

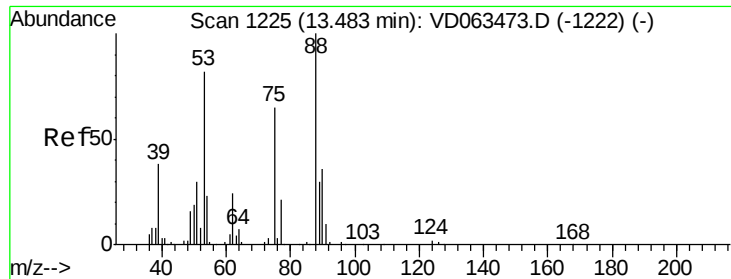
Tgt Ion: 91 Resp: 40041
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 84.898 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion: 105 Resp: 181059
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 237.496 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

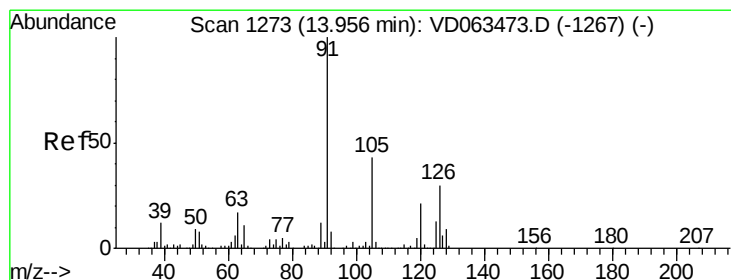
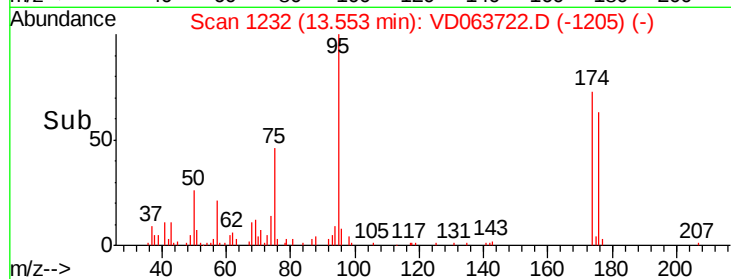
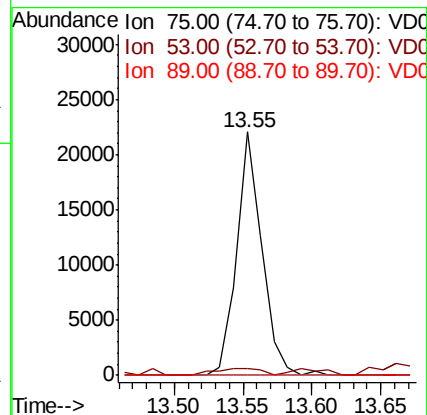
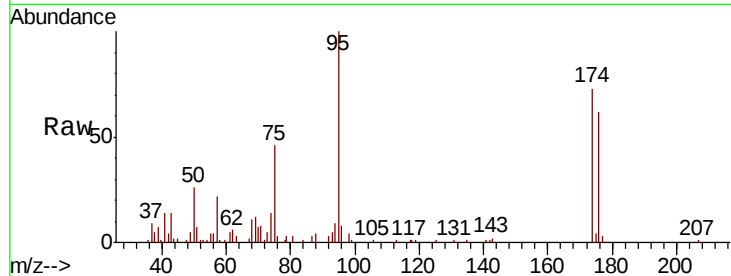
Tgt Ion: 75 Resp: 28113

Ion Ratio Lower Upper

75 100

53 2.8 101.0 151.4#

89 0.0 37.0 55.6#



#82

4-Chlorotoluene

Concen: 11.038 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063722.D

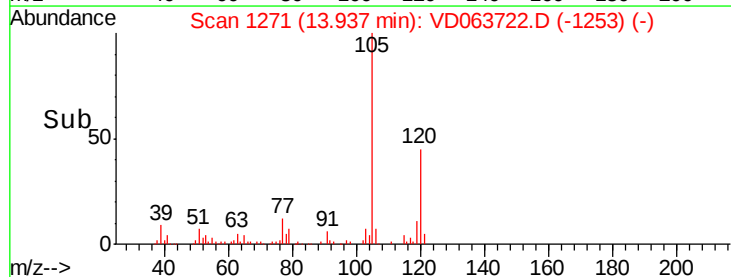
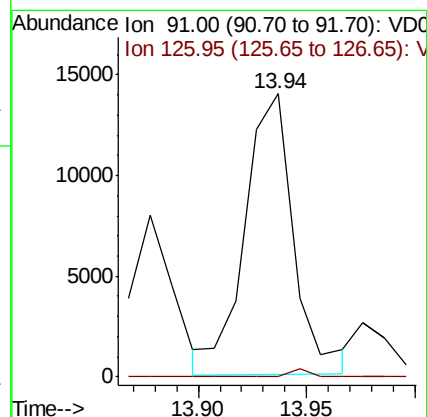
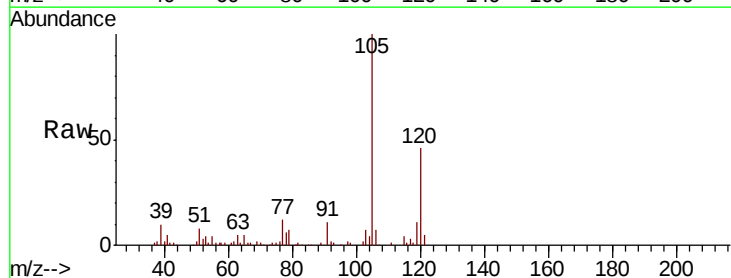
Acq: 21 Aug 2019 19:28

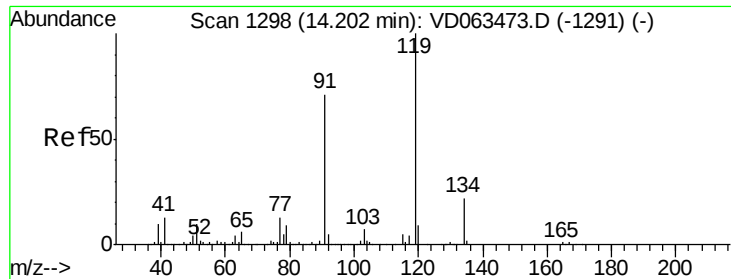
Tgt Ion: 91 Resp: 21856

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#

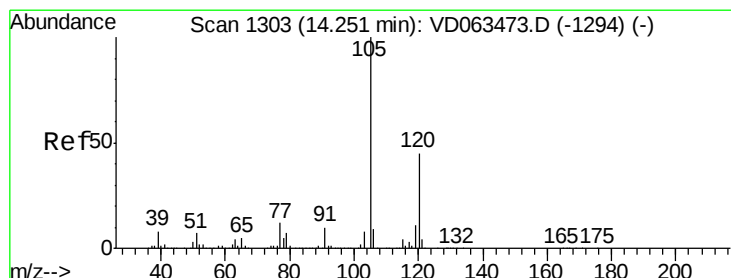
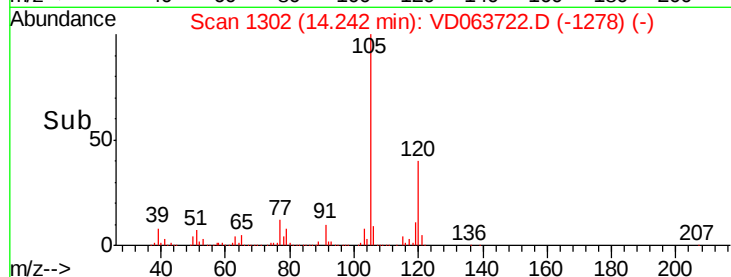
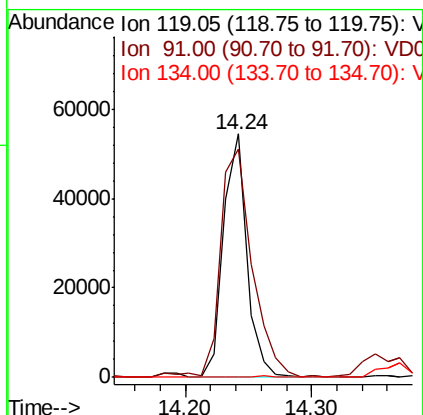
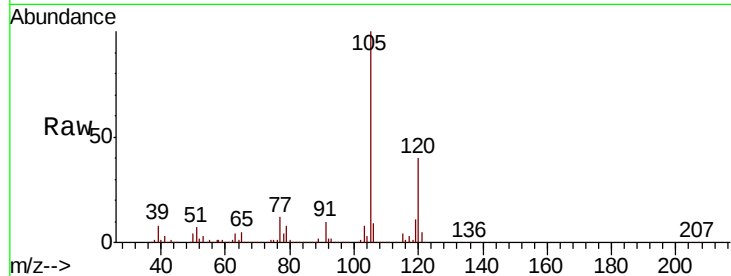




#83
 tert-Butylbenzene
 Concen: 31.149 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.04 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

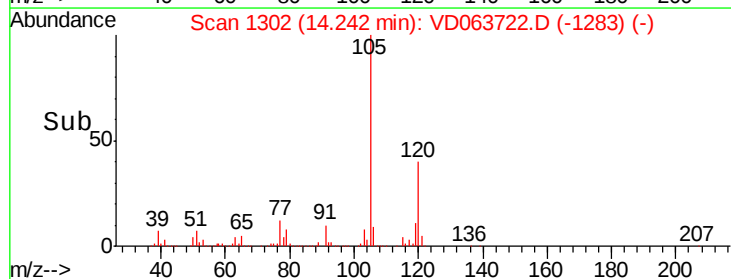
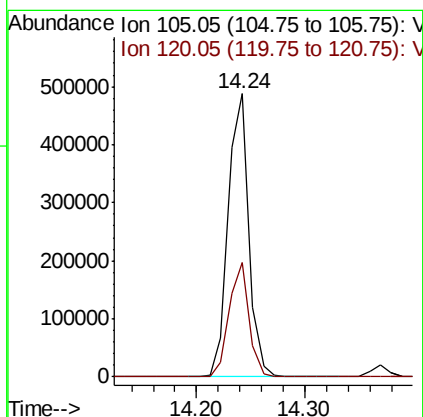
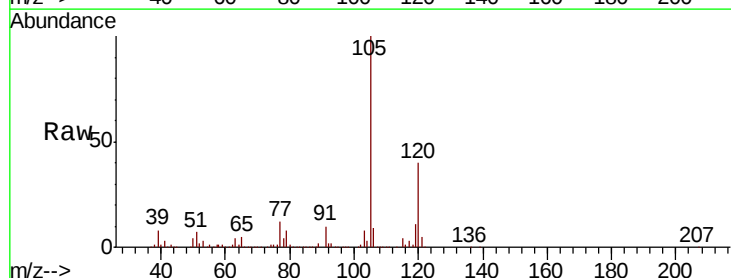
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

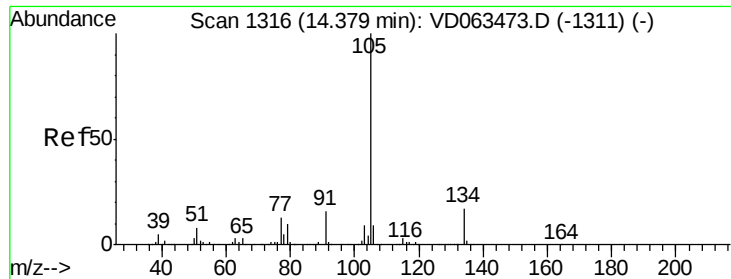
Tgt Ion:119 Resp: 69954
 Ion Ratio Lower Upper
 119 100
 91 93.8 35.5 106.7
 134 0.0 11.1 33.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 329.729 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion:105 Resp: 650650
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.7 68.1

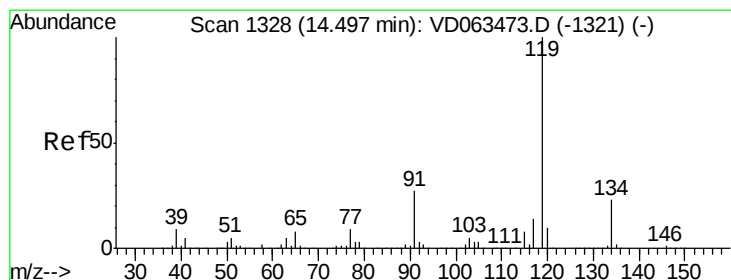
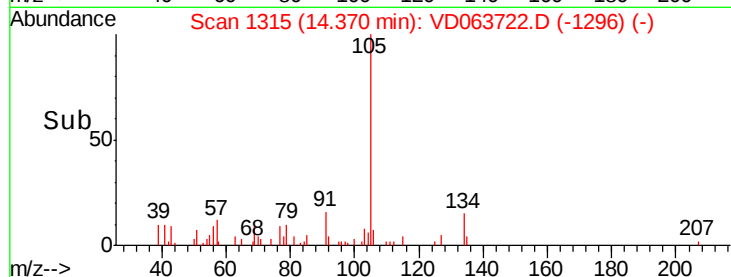
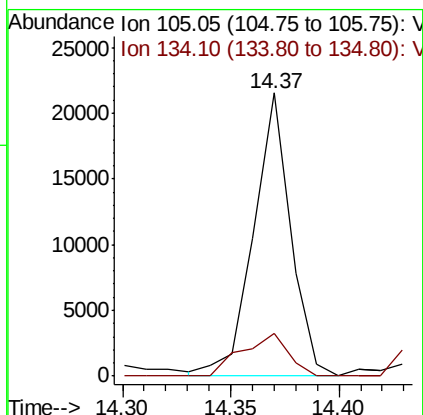
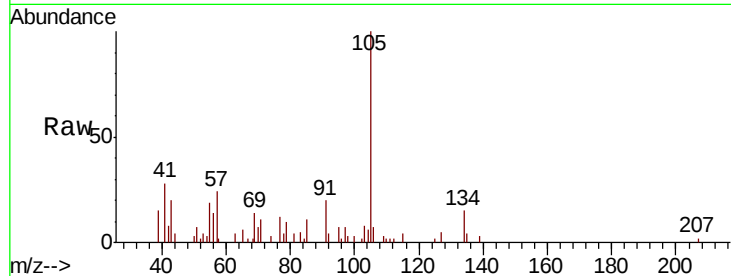




#85
 sec-Butylbenzene
 Concen: 10.722 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

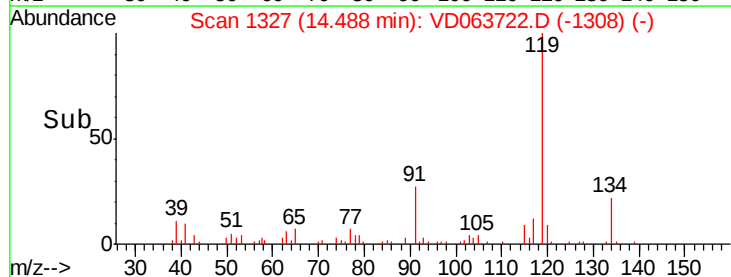
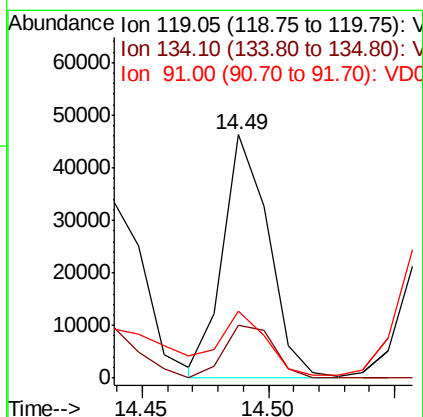
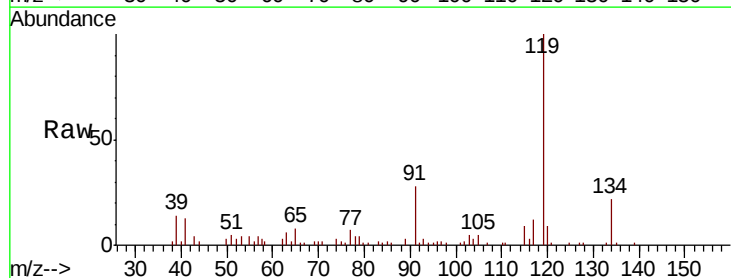
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

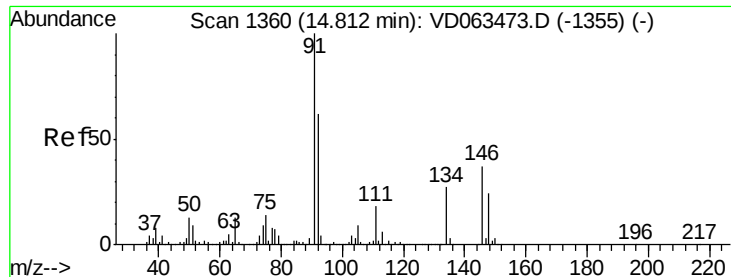
Tgt Ion:105 Resp: 25572
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 25.620 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion:119 Resp: 58423
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.3 33.8
 91 27.8 13.5 40.4





#89

n-Butylbenzene

Concen: 25.341 ug/l

RT: 14.77 min Scan# 1356

Delta R.T. -0.04 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

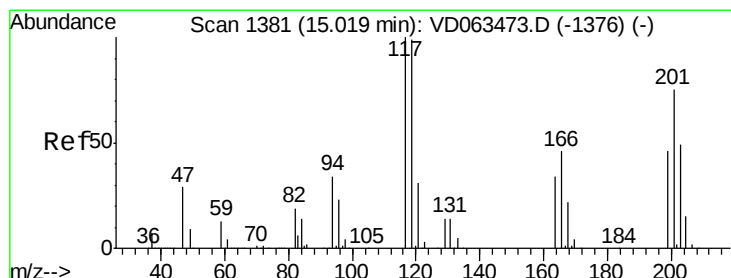
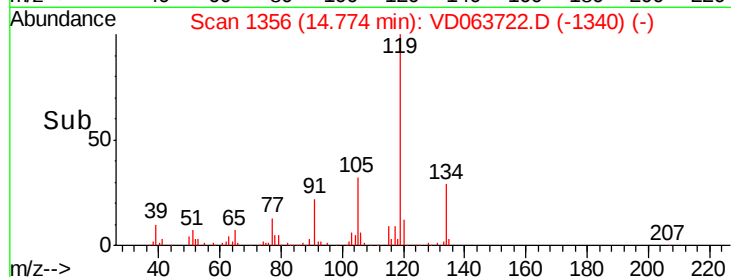
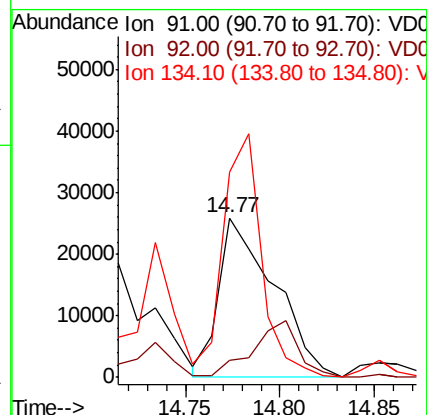
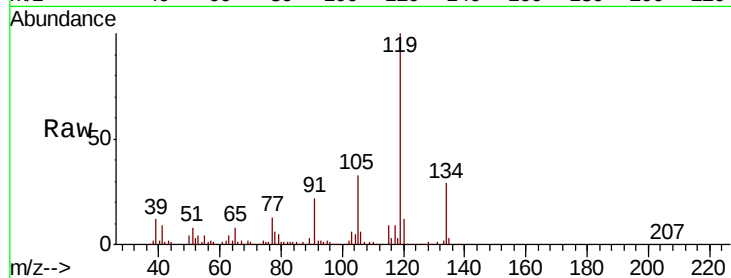
Tgt Ion: 91 Resp: 52742

Ion Ratio Lower Upper

91 100

92 10.7 30.8 92.3#

134 128.7 13.4 40.2#



#90

Hexachloroethane

Concen: 35.867 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.04 min

Lab File: VD063722.D

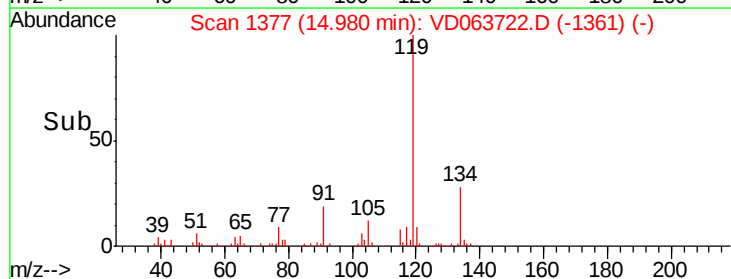
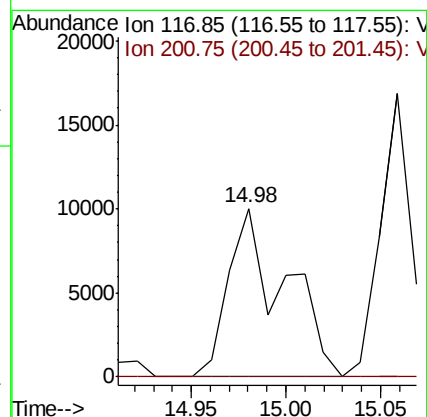
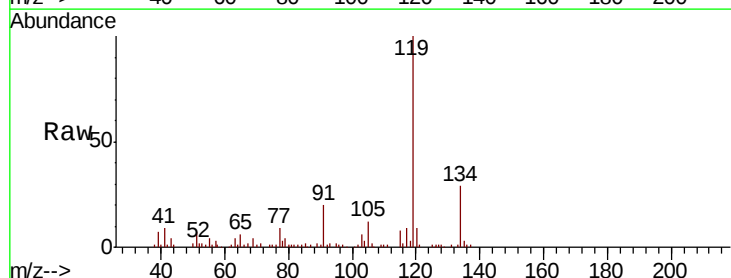
Acq: 21 Aug 2019 19:28

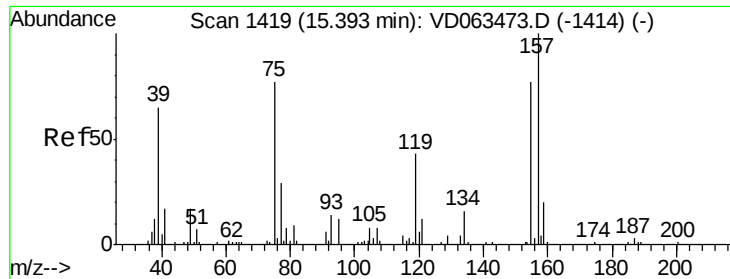
Tgt Ion: 117 Resp: 20558

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.787 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

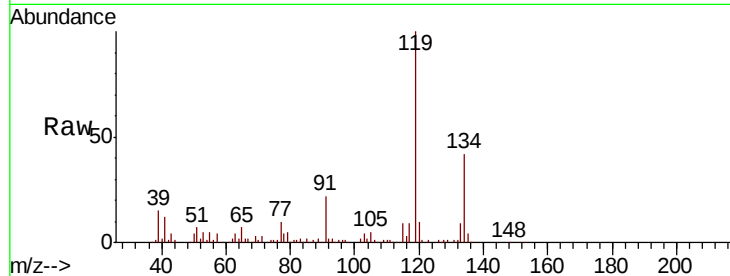
Tgt Ion: 75 Resp: 1128

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

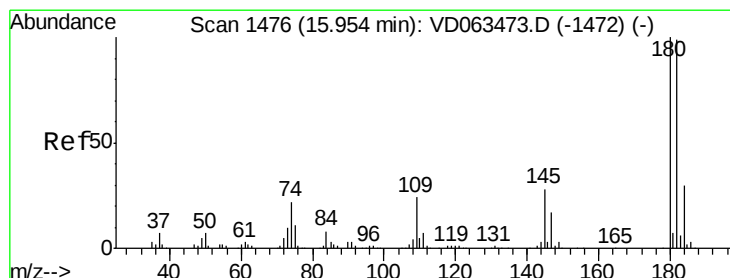
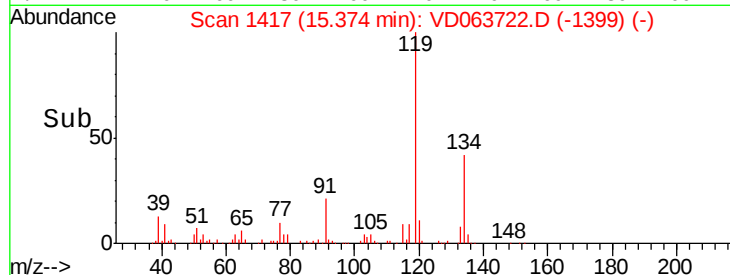
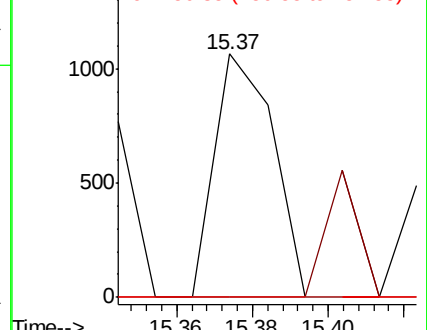
157 0.0 65.0 195.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 1.163 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

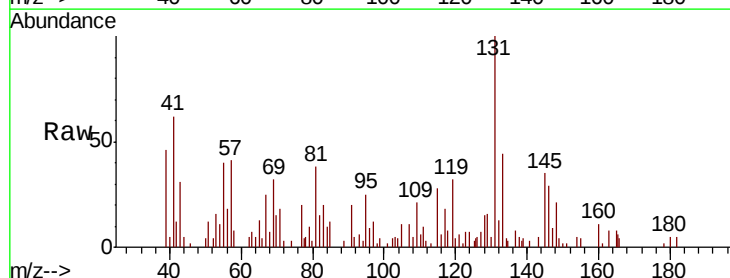
Tgt Ion: 180 Resp: 876

Ion Ratio Lower Upper

180 100

182 90.0 49.7 149.1

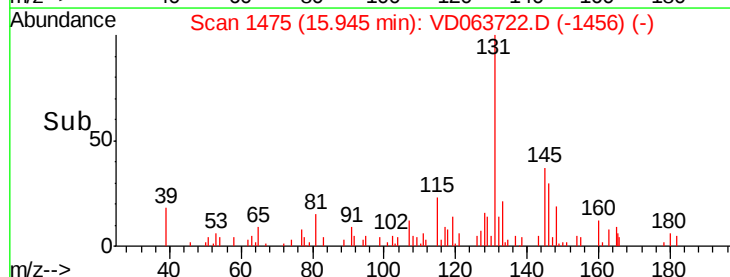
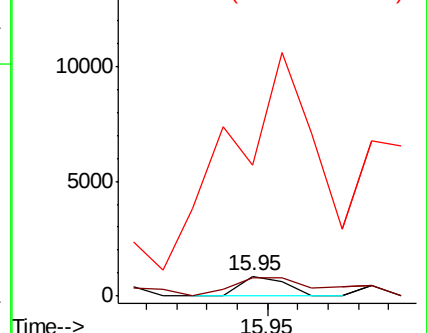
145 649.2 14.1 42.2#

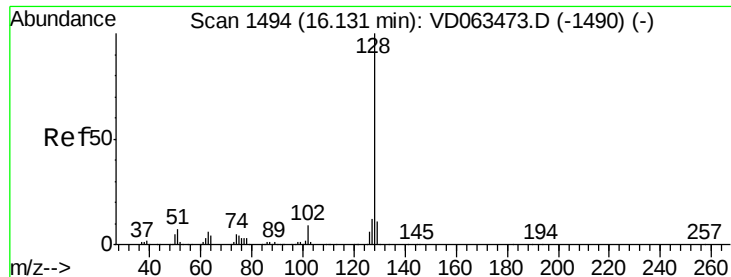


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 70.819 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

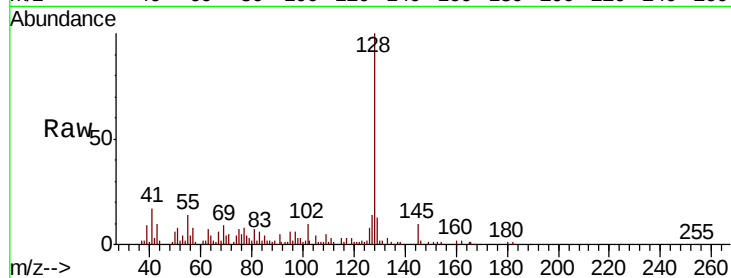
Tgt Ion:128 Resp: 80850

Ion Ratio Lower Upper

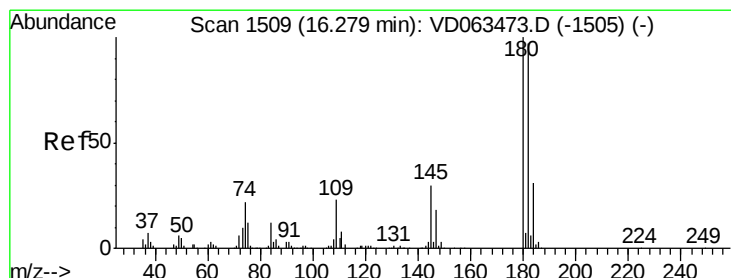
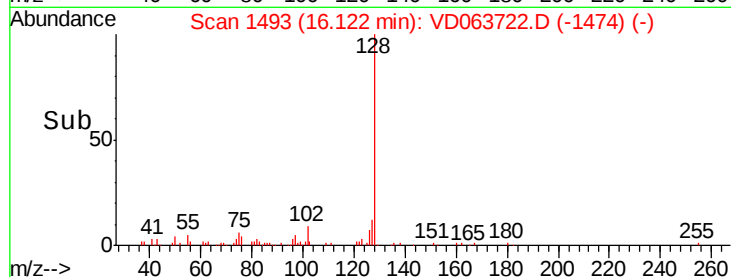
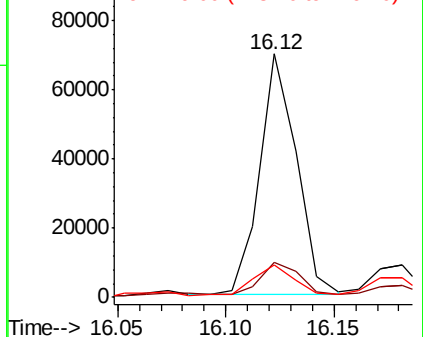
128 100

127 14.5 9.4 14.0#

129 13.2 8.5 12.7#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.838 ug/l

RT: 16.33 min Scan# 1514

Delta R.T. 0.05 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

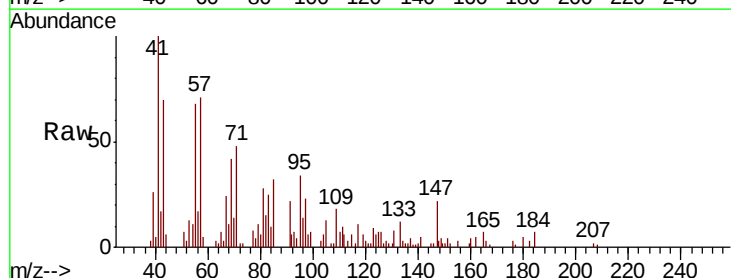
Tgt Ion:180 Resp: 2335

Ion Ratio Lower Upper

180 100

182 57.3 48.4 145.2

145 40.9 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

