

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063745.D
 Acq On : 22 Aug 2019 20:37
 Operator : JC/SY
 Sample : K4418-04RE
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

Quant Time: Aug 23 07:01:18 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	686653	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	966268	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	527107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	133385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	441905	60.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.42%	
35) Dibromofluoromethane	6.92	113	516118	63.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	126.84%	
50) Toluene-d8	10.41	98	926272	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	13.55	95	220055	27.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.28%	

Target Compounds

						Qvalue
8) Diethyl Ether	2.86	74	2133	1.195	ug/l #	1
11) Tert butyl alcohol	4.09	59	569	1.781	ug/l #	71
16) Acetone	3.22	43	139152	93.263	ug/l #	85
18) Methyl Acetate	3.64	43	3943	1.395	ug/l #	57
20) Methylene Chloride	3.81	84	23794	3.688	ug/l #	86
25) 2-Butanone	6.07	43	37081	25.164	ug/l	96
29) Tetrahydrofuran	6.45	42	2298	3.347	ug/l #	69
31) Cyclohexane	6.95	56	20412	3.080	ug/l #	82
36) 1,1-Dichloropropene	7.04	75	49423	5.786	ug/l #	49
38) Carbon Tetrachloride	7.05	117	61996	4.816	ug/l #	16
39) Methylcyclohexane	8.87	83	58510	8.055	ug/l	98
40) Benzene	7.45	78	459964	24.469	ug/l	95
49) 1,4-Dioxane	9.37	88	199	31.425	ug/l #	34
51) 4-Methyl-2-Pentanone	10.30	43	3831	1.168	ug/l #	40
52) Toluene	10.51	92	212903	17.584	ug/l	99
55) 1,1,2-Trichloroethane	11.10	97	22331	5.460	ug/l #	20
56) Ethyl methacrylate	11.11	69	5737	1.292	ug/l #	6
59) 2-Hexanone	11.49	43	23516	9.852	ug/l #	37
67) Ethyl Benzene	12.52	91	226208	13.169	ug/l	98
68) m/p-Xylenes	12.66	106	415110	68.783	ug/l	97
69) o-Xylene	13.05	106	302715	52.116	ug/l	99
70) Styrene	13.05	104	14992	1.451	ug/l #	1
73) Isopropylbenzene	13.40	105	121284	14.296	ug/l	94
74) N-aryl acetate	13.31	43	26317	12.357	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.72	83	9549	6.781	ug/l #	82
76) 1,2,3-Trichloropropane	13.85	75	10883	7.109	ug/l #	1
78) n-propylbenzene	13.77	91	186910	18.829	ug/l	94
79) 2-Chlorotoluene	13.85	91	160508	28.044	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.94	105	826382	111.480	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	96219	233.857	ug/l #	4
82) 4-Chlorotoluene	13.94	91	102873	14.947	ug/l #	46
83) tert-Butylbenzene	14.24	119	269428	34.516	ug/l #	58
84) 1,2,4-Trimethylbenzene	14.24	105	2448310	356.958	ug/l	95
85) sec-Butylbenzene	14.37	105	109112	13.162	ug/l	97

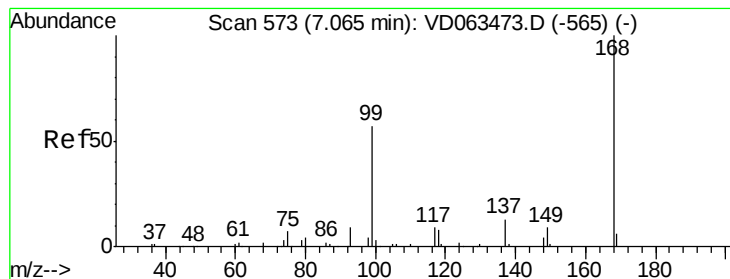
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
Data File : VD063745.D
Acq On : 22 Aug 2019 20:37
Operator : JC/SY
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Quant Time: Aug 23 07:01:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	14.49	119	252153	31.812	ug/l	97
89) n-Butylbenzene	14.77	91	243489	33.658	ug/l #	1
90) Hexachloroethane	14.98	117	74711	37.501	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	15.37	75	4414	16.647	ug/l #	1
95) Naphthalene	16.12	128	149321	37.630	ug/l	95
96) 1,2,3-Trichlorobenzene	16.30	180	3860	1.825	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

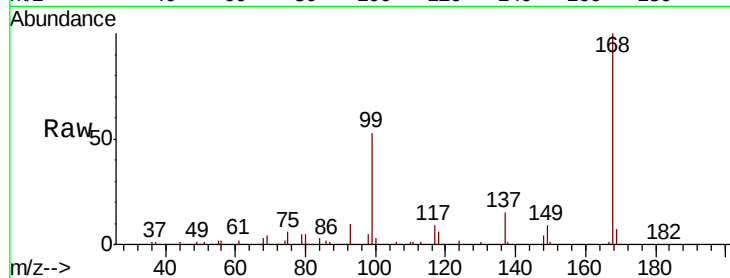
CFVP-228LRE

Tgt Ion:168 Resp: 686653

Ion Ratio Lower Upper

168 100

99 53.1 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

250000

200000

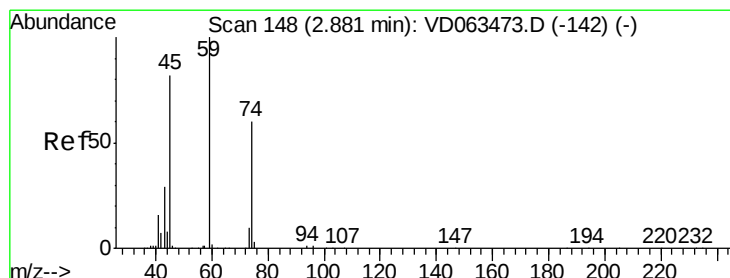
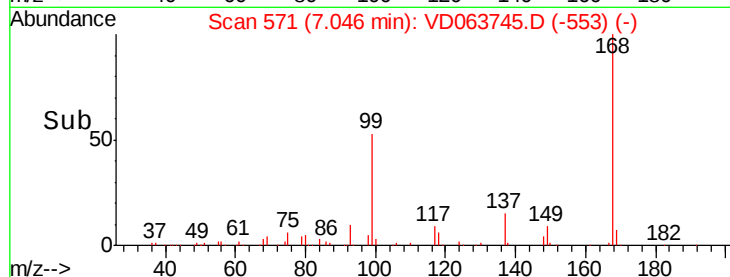
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.195 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063745.D

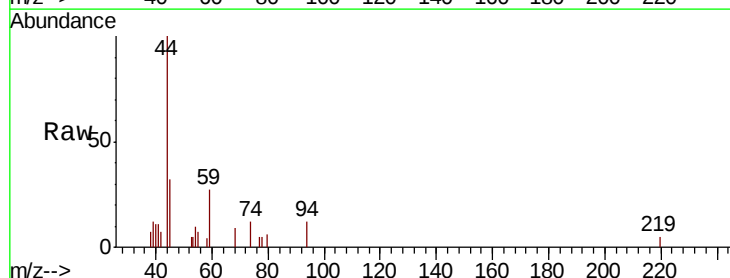
Acq: 22 Aug 2019 20:37

Tgt Ion: 74 Resp: 2133

Ion Ratio Lower Upper

74 100

45 259.7 68.5 205.5#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

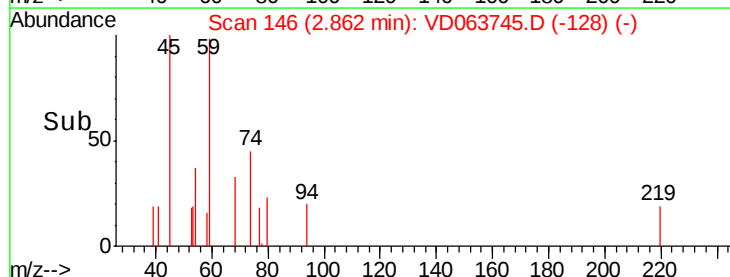
1500

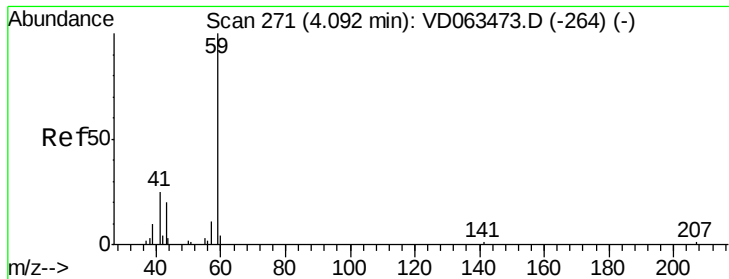
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Time-->



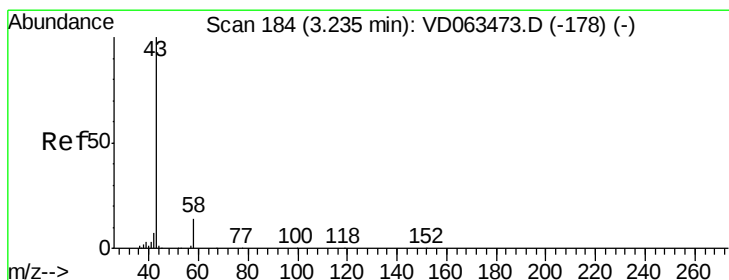
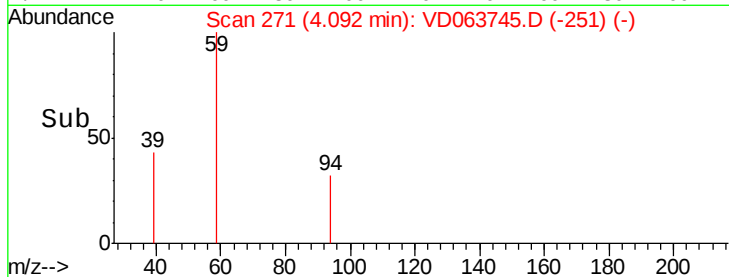
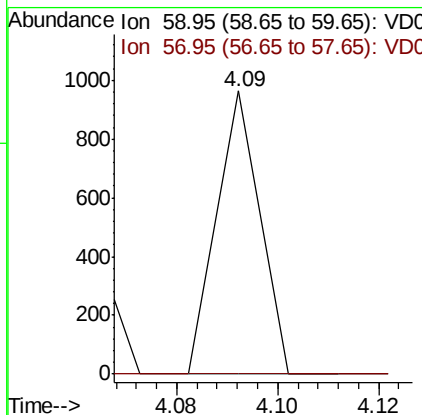
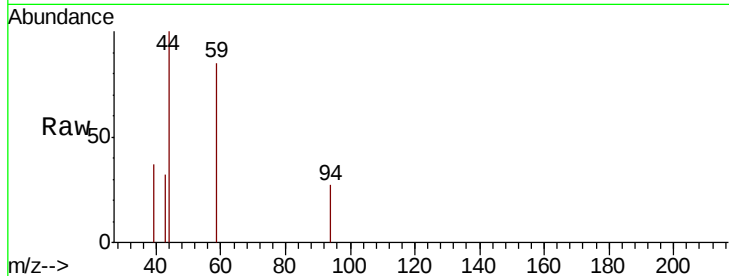


#11

Tert butyl alcohol
 Concen: 1.781 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

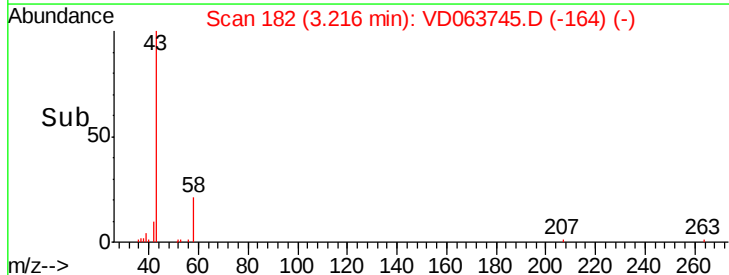
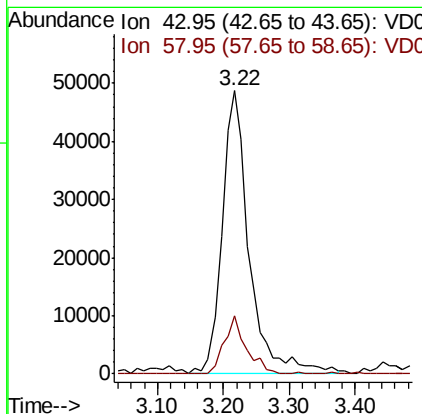
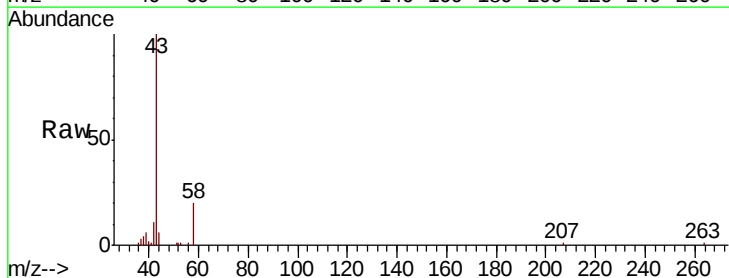
Tgt Ion: 59 Resp: 569
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

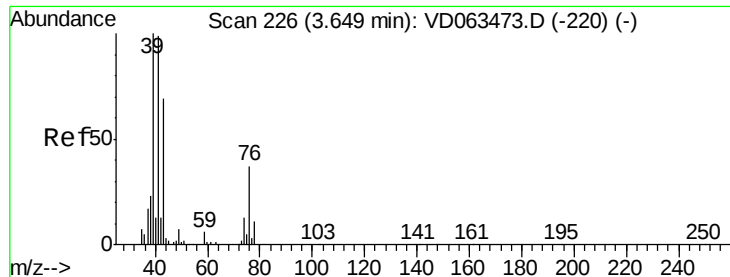


#16

Acetone
 Concen: 93.263 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Tgt Ion: 43 Resp: 139152
 Ion Ratio Lower Upper
 43 100
 58 20.4 11.4 17.2#





#18

Methyl Acetate

Concen: 1.395 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

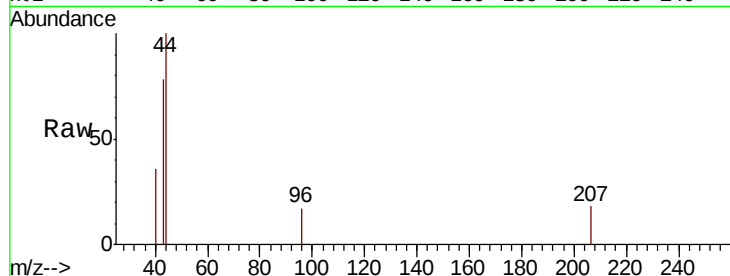
CFVP-228LRE

Tgt Ion: 43 Resp: 3943

Ion Ratio Lower Upper

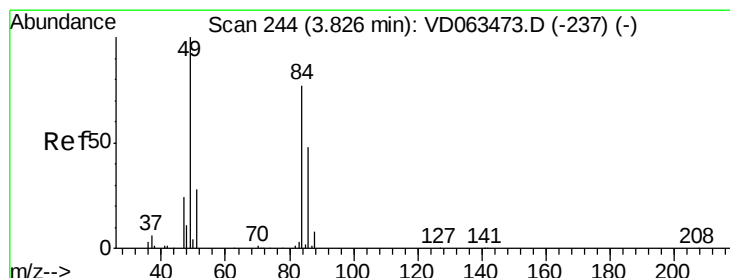
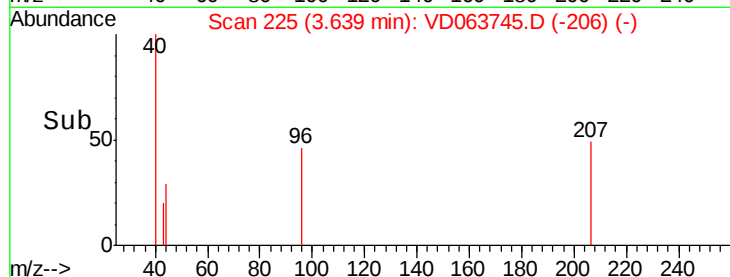
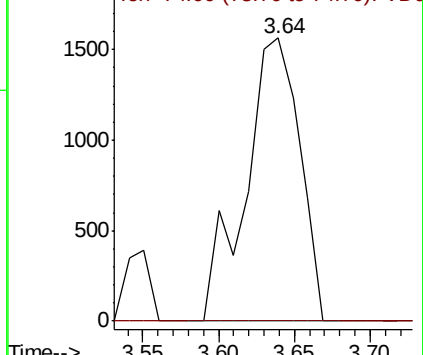
43 100

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: 3.688 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Tgt Ion: 84 Resp: 23794

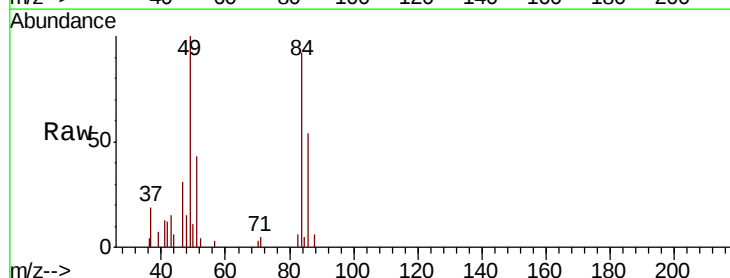
Ion Ratio Lower Upper

84 100

49 108.6 103.4 155.2

51 46.4 28.5 42.7#

86 58.3 49.4 74.2

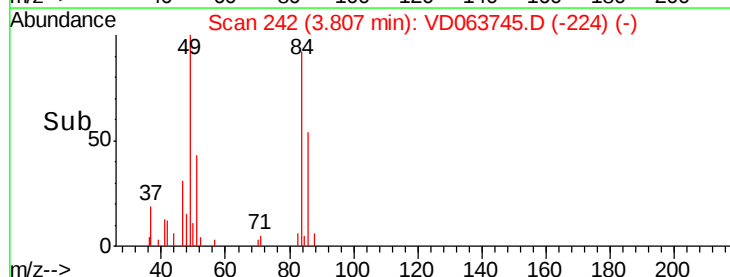
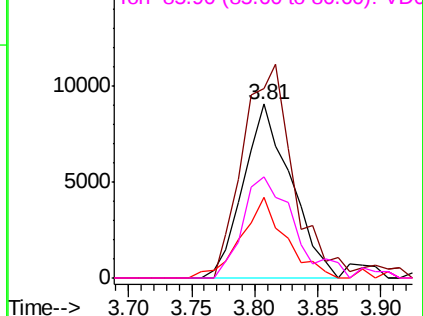


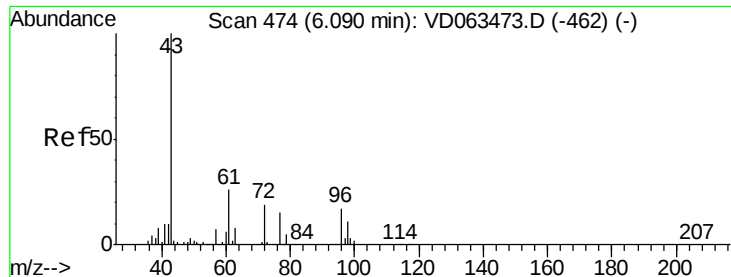
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 25.164 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

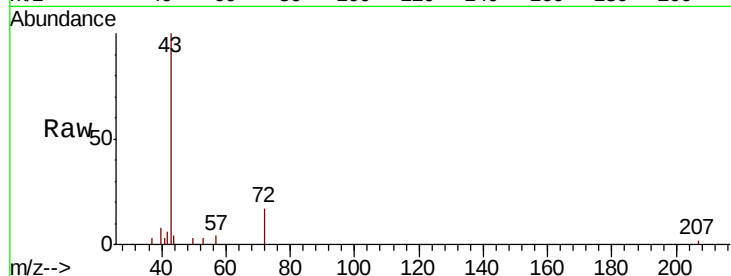
CFVP-228LRE

Tgt Ion: 43 Resp: 37081

Ion Ratio Lower Upper

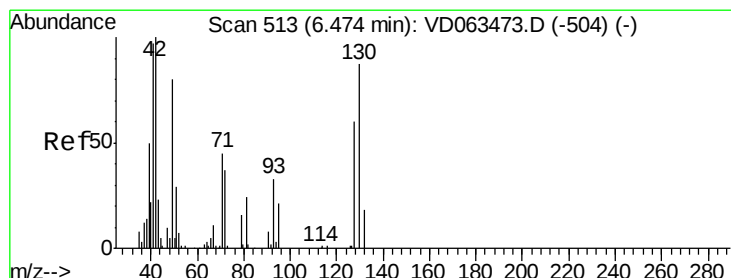
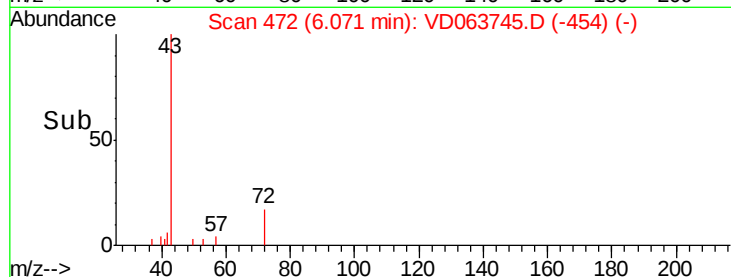
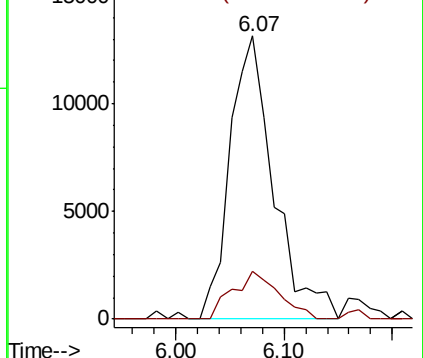
43 100

72 17.0 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.347 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

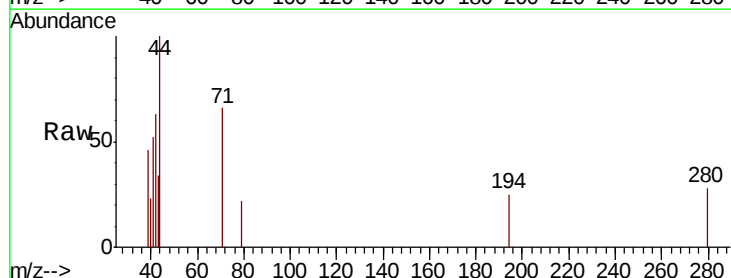
Tgt Ion: 42 Resp: 2298

Ion Ratio Lower Upper

42 100

72 16.8 31.5 47.3#

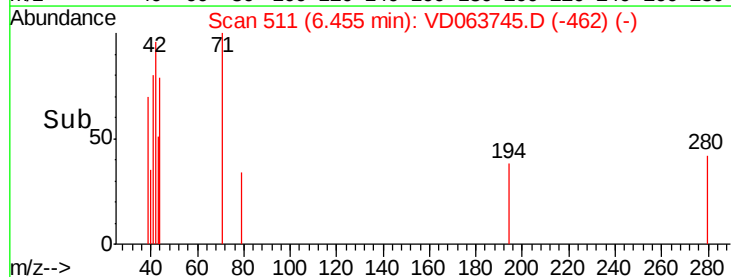
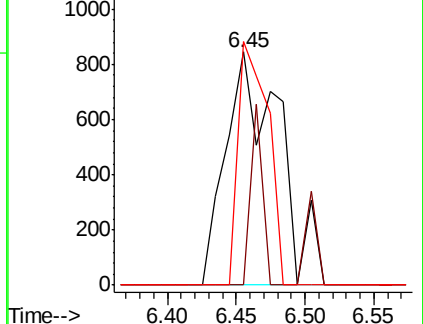
71 58.1 33.8 50.8#

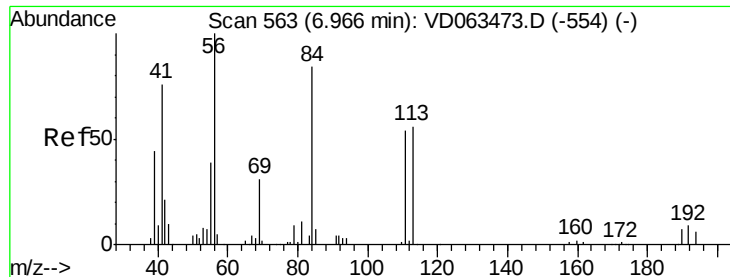


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

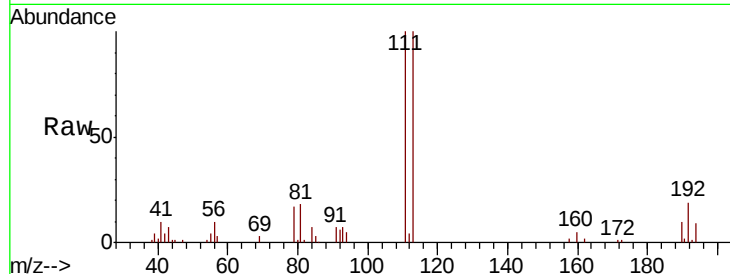




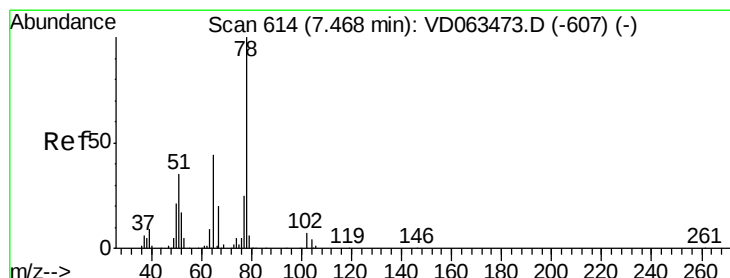
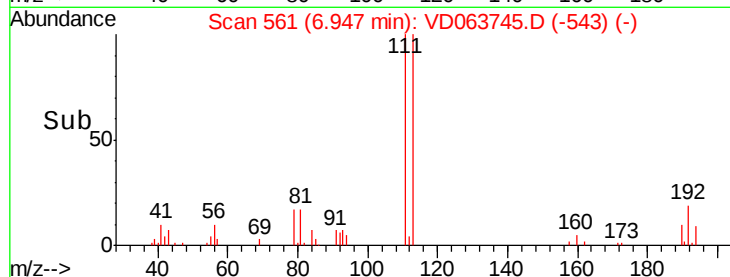
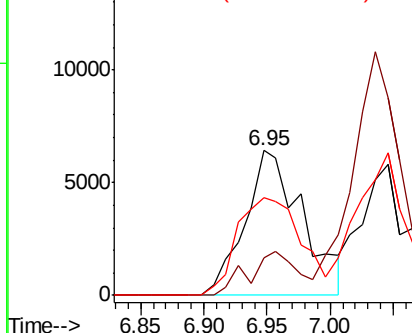
#31
Cyclohexane
Concen: 3.080 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

Tgt Ion: 56 Resp: 20412
Ion Ratio Lower Upper
56 100
69 25.7 25.0 37.6
84 67.6 69.7 104.5#

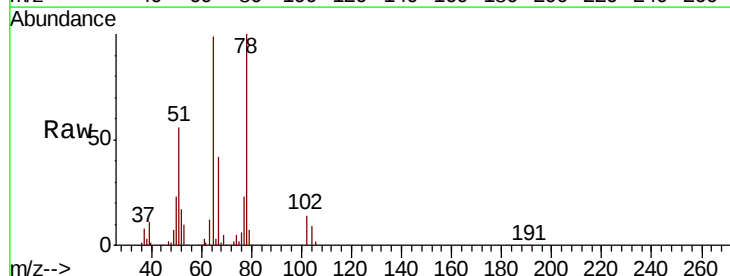


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

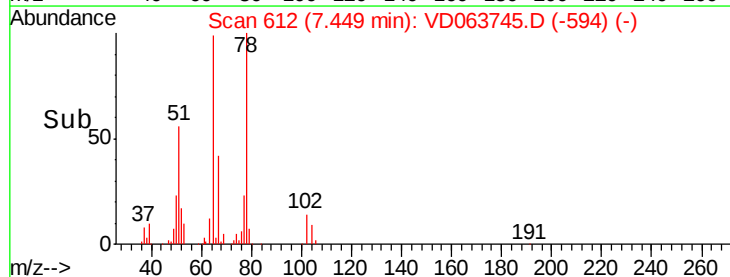
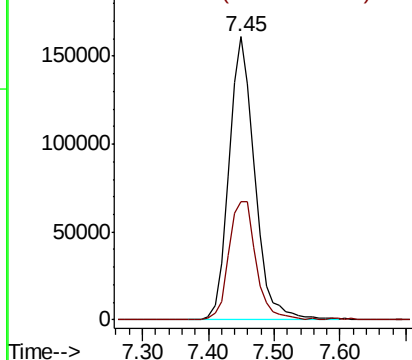


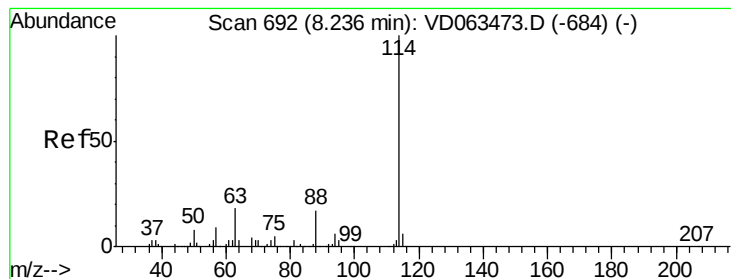
#33
1,2-Dichloroethane-d4
Concen: 60.207 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 65 Resp: 441905
Ion Ratio Lower Upper
65 100
67 41.9 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: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228LRE

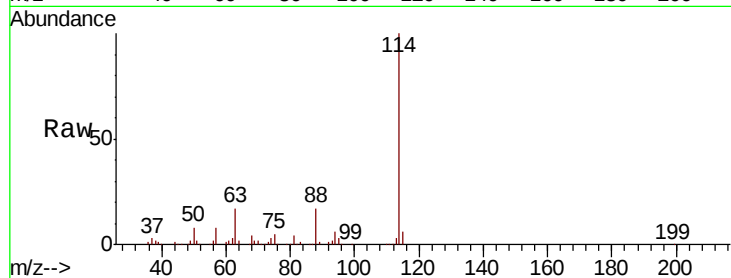
Tgt Ion:114 Resp: 966268

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.2

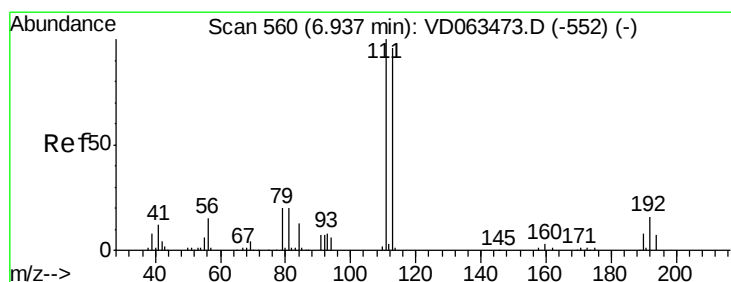
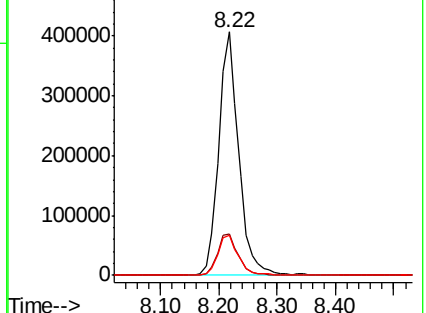
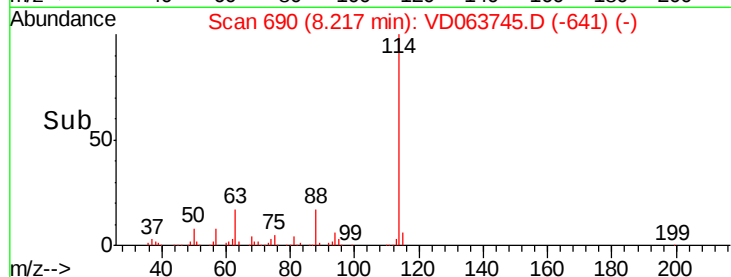
88 16.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 63.421 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

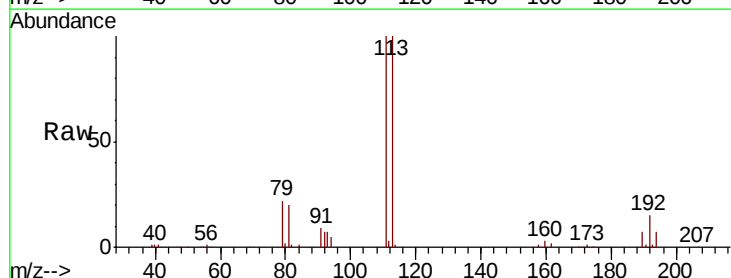
Tgt Ion:113 Resp: 516118

Ion Ratio Lower Upper

113 100

111 100.2 83.1 124.7

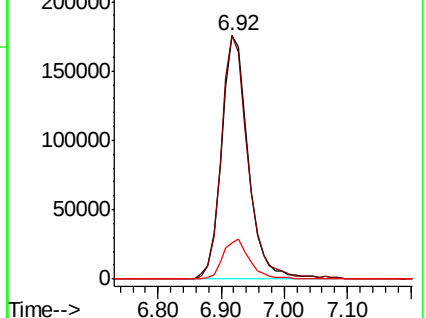
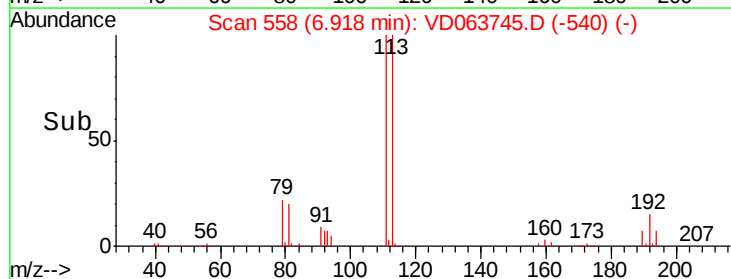
192 15.0 13.1 19.7

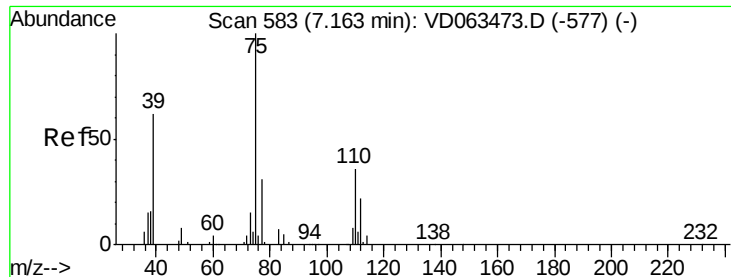


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

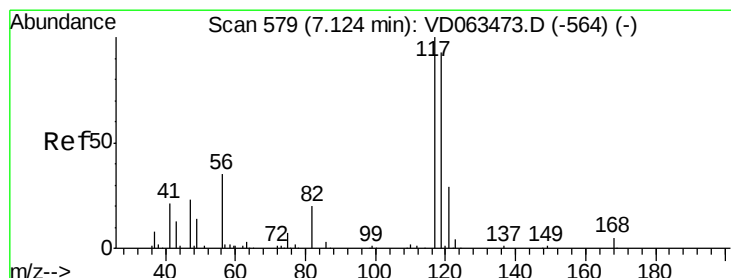
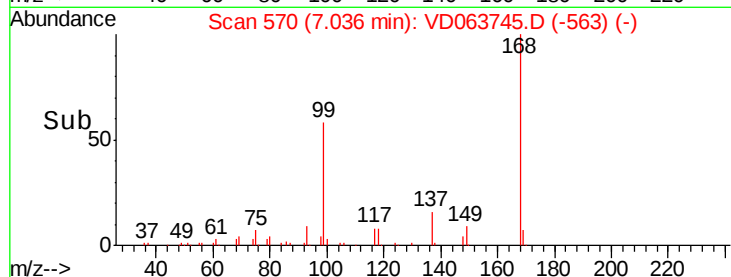
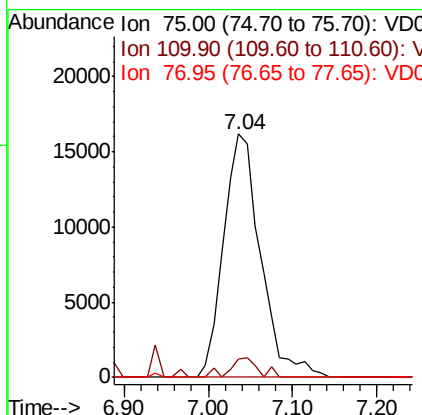
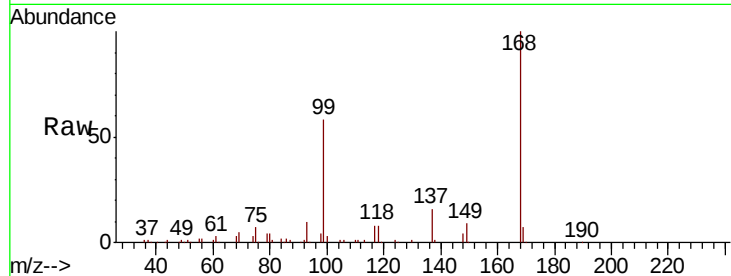




#36
 1,1-Dichloropropene
 Concen: 5.786 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

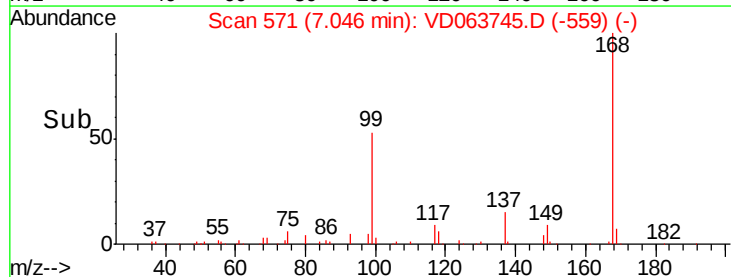
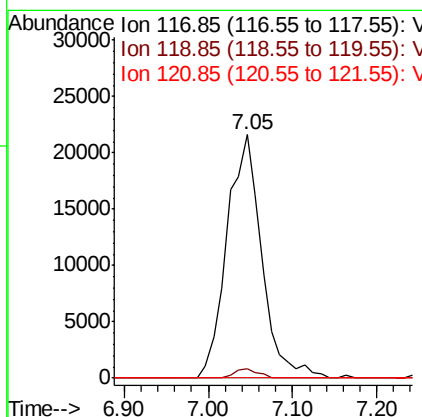
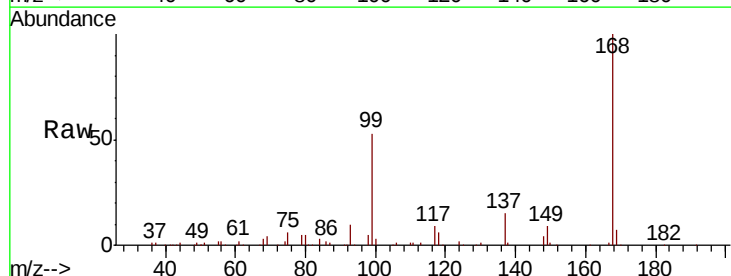
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

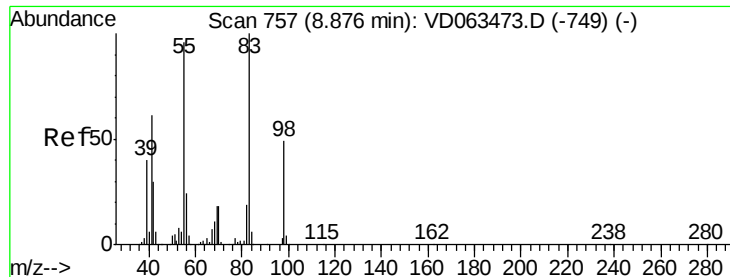
Tgt Ion: 75 Resp: 49423
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 4.816 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Tgt Ion: 117 Resp: 61996
 Ion Ratio Lower Upper
 117 100
 119 3.6 74.2 111.2#
 121 0.0 23.1 34.7#

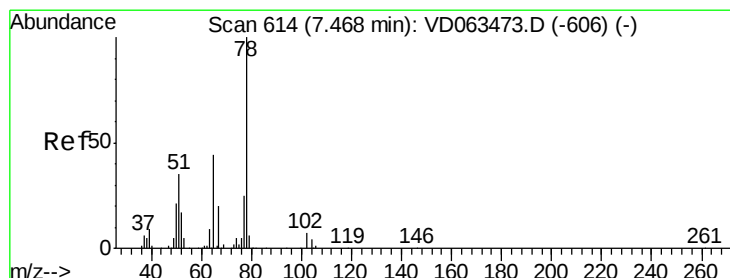
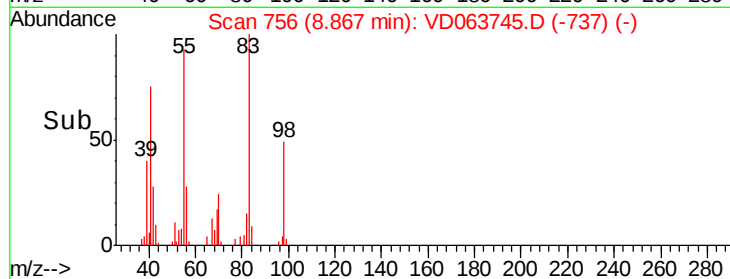
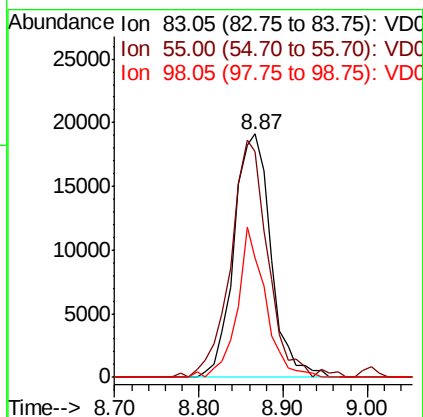
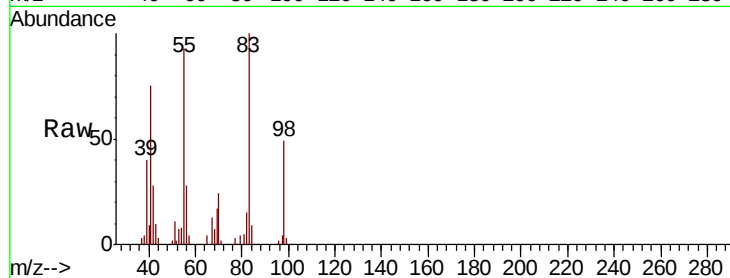




#39
Methylcyclohexane
Concen: 8.055 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

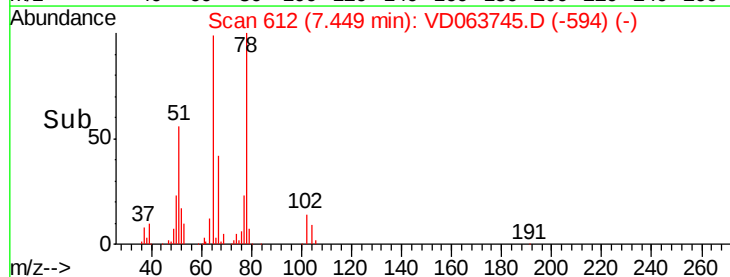
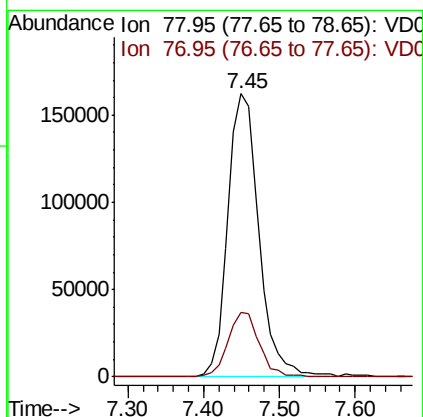
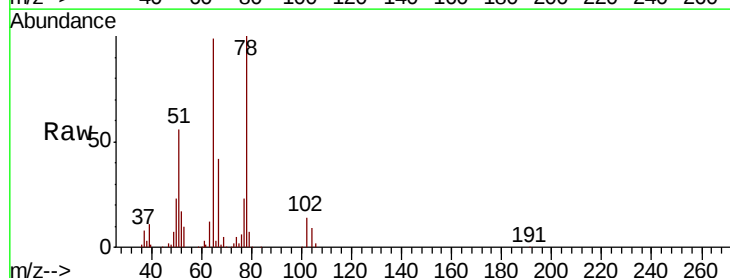
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

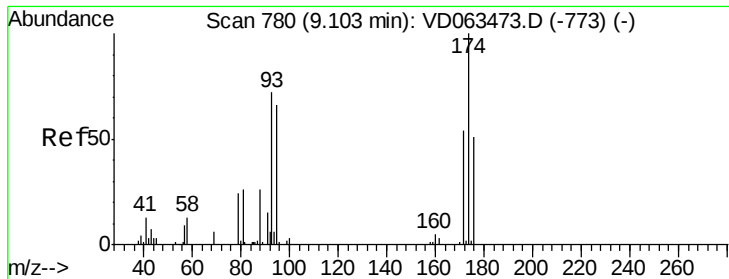
Tgt Ion: 83 Resp: 58510
Ion Ratio Lower Upper
83 100
55 92.5 76.6 114.8
98 49.0 39.4 59.0



#40
Benzene
Concen: 24.469 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 78 Resp: 459964
Ion Ratio Lower Upper
78 100
77 22.6 20.1 30.1

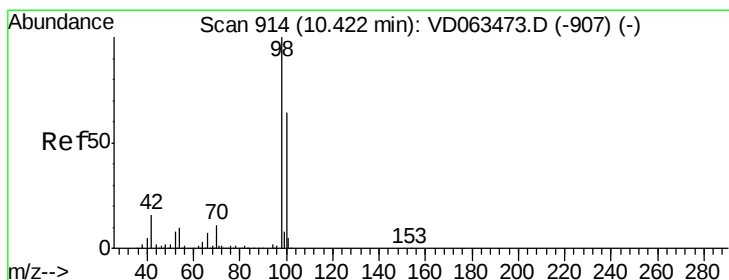
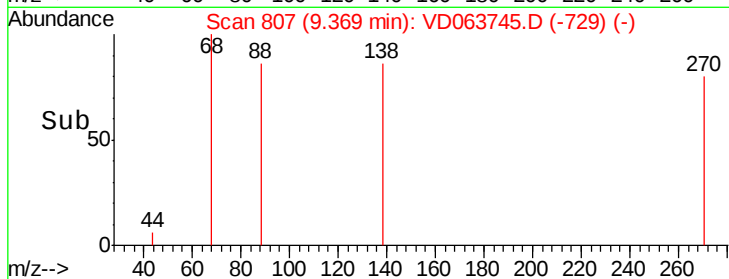
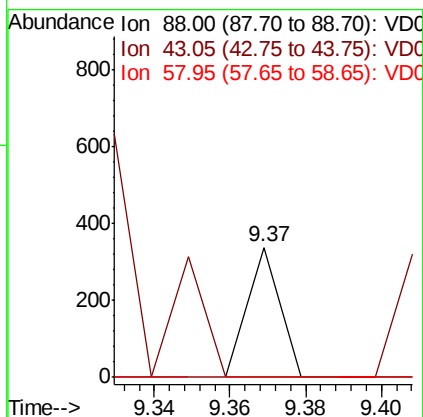
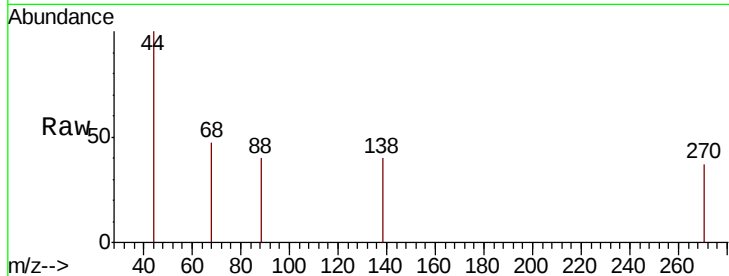




#49
1,4-Dioxane
Concen: 31.425 ug/l
RT: 9.37 min Scan# 807
Delta R.T. 0.27 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

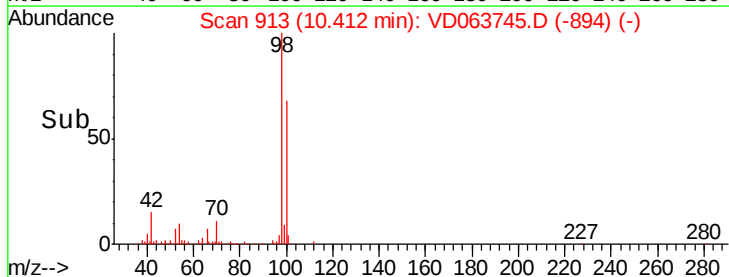
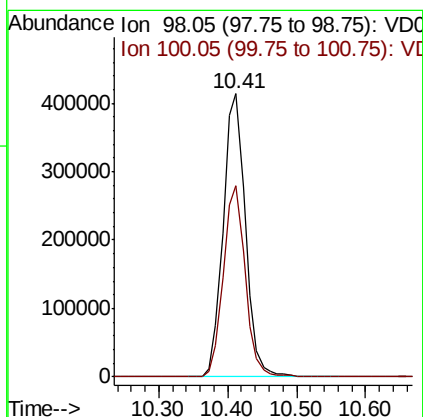
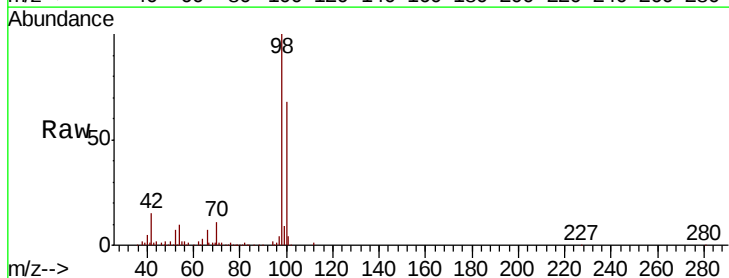
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

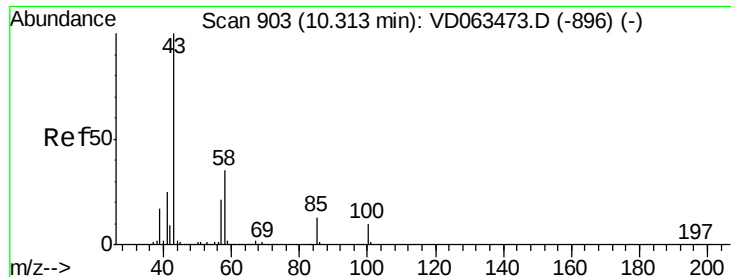
Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 40.1 60.1#



#50
Toluene-d8
Concen: 51.771 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 98 Resp: 926272
Ion Ratio Lower Upper
98 100
100 67.5 51.7 77.5

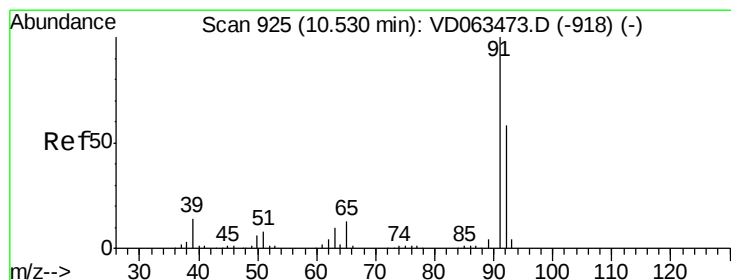
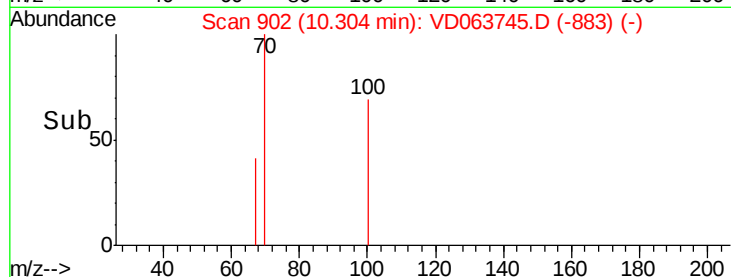
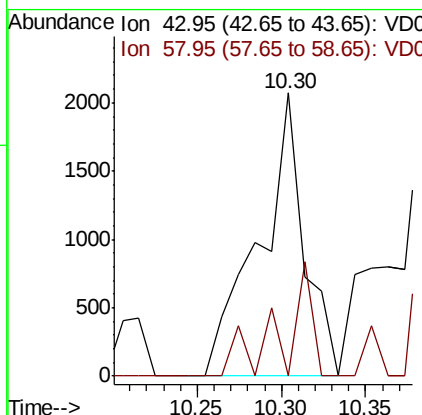
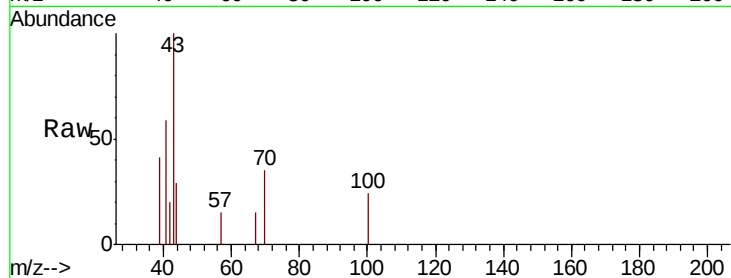




#51
 4-Methyl-2-Pentanone
 Concen: 1.168 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

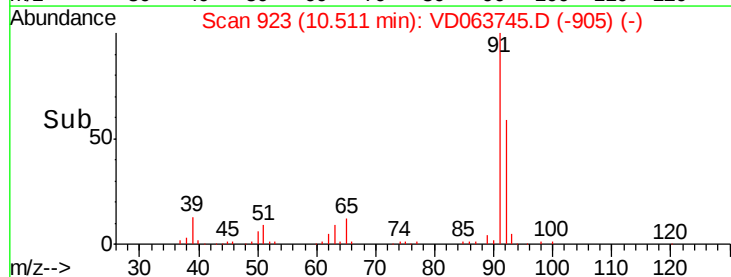
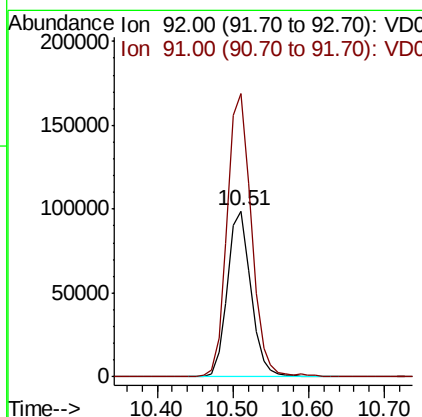
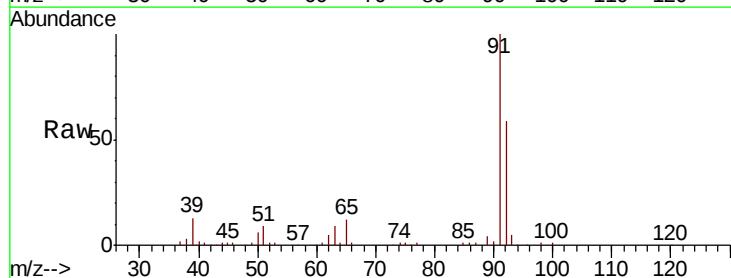
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

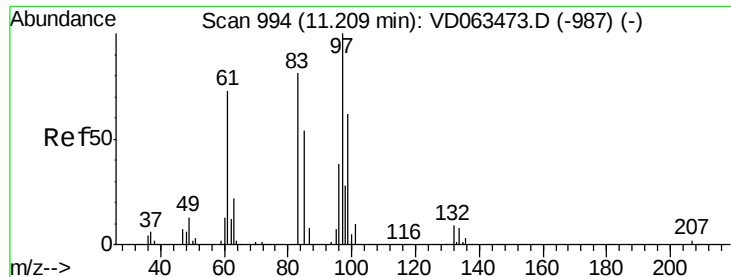
Tgt Ion: 43 Resp: 3831
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 42.0#



#52
 Toluene
 Concen: 17.584 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Tgt Ion: 92 Resp: 212903
 Ion Ratio Lower Upper
 92 100
 91 170.4 137.9 206.9

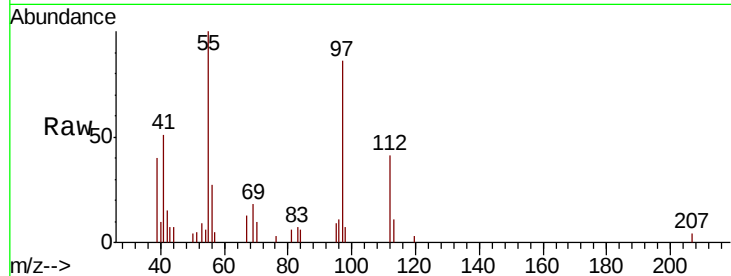




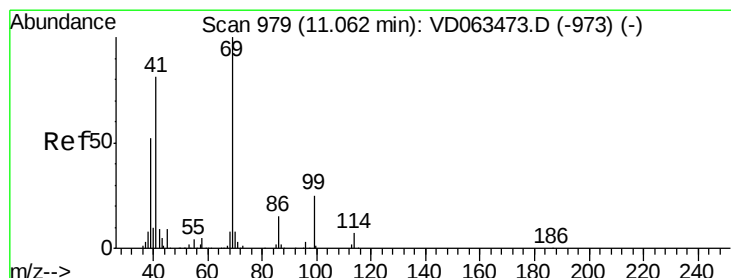
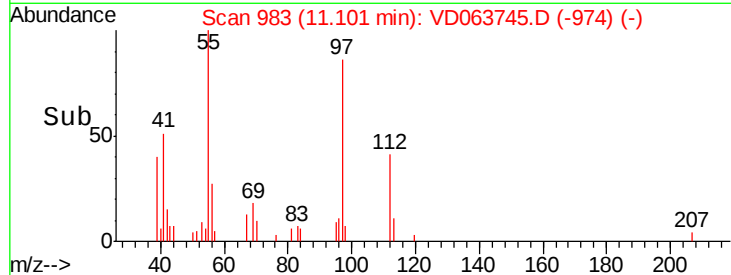
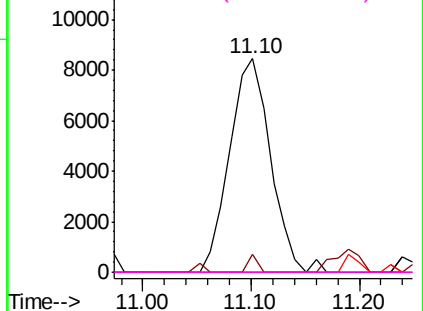
#55
 1,1,2-Trichloroethane
 Concen: 5.460 ug/l
 RT: 11.10 min Scan# 983
 Delta R.T. -0.11 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

Tgt Ion: 97 Resp: 22331
 Ion Ratio Lower Upper
 97 100
 83 8.5 64.7 97.1#
 85 0.0 42.9 64.3#
 99 0.0 49.7 74.5#

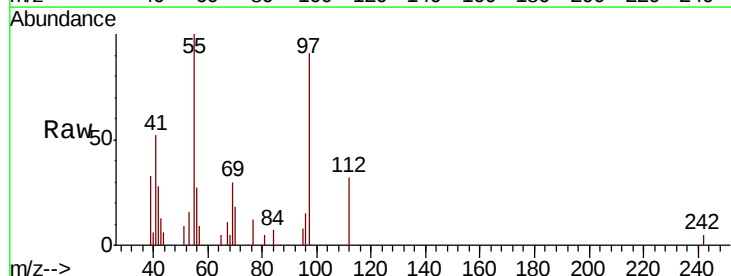


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

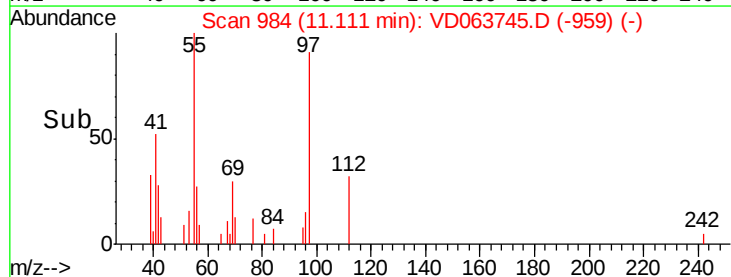
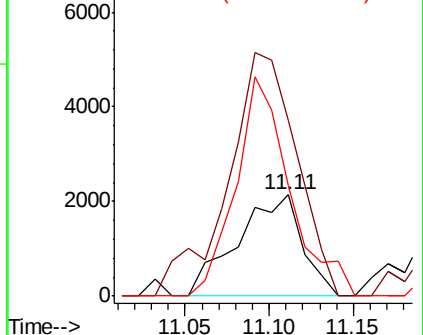


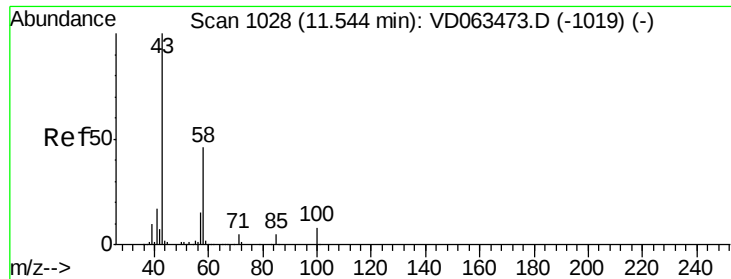
#56
 Ethyl methacrylate
 Concen: 1.292 ug/l
 RT: 11.11 min Scan# 984
 Delta R.T. 0.05 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Tgt Ion: 69 Resp: 5737
 Ion Ratio Lower Upper
 69 100
 41 173.3 64.8 97.2#
 39 109.2 42.4 63.6#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

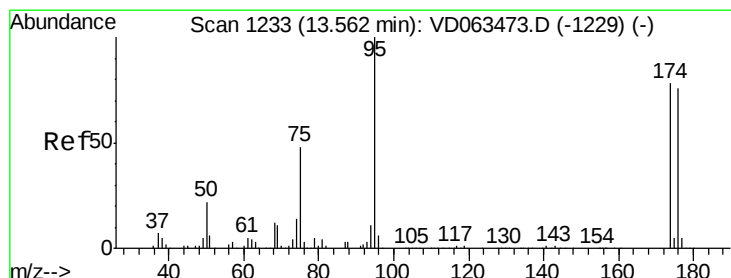
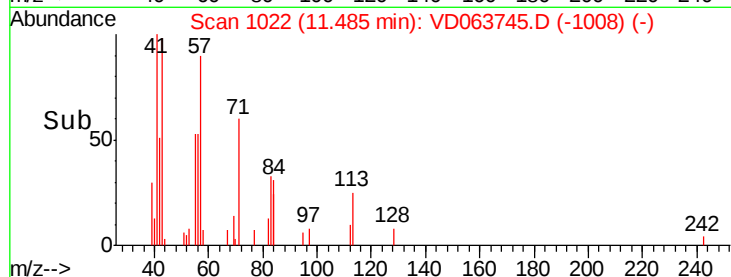
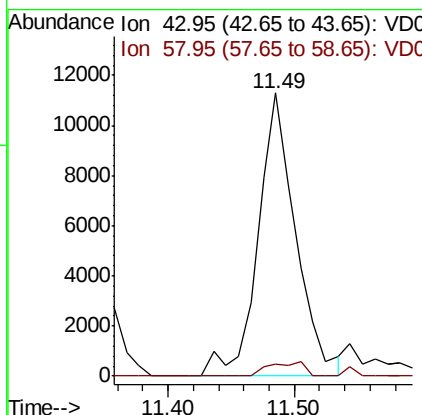
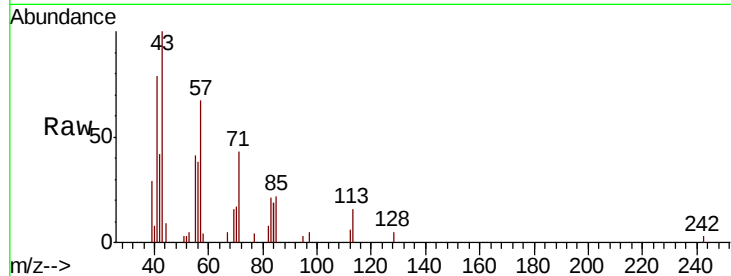




#59
2-Hexanone
Concen: 9.852 ug/l
RT: 11.49 min Scan# 1022
Delta R.T. -0.06 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

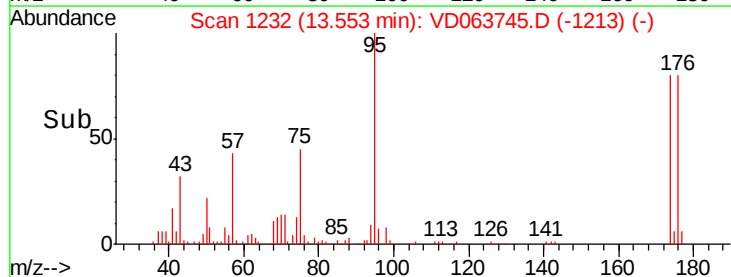
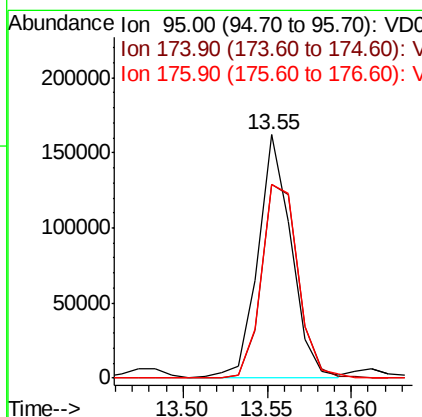
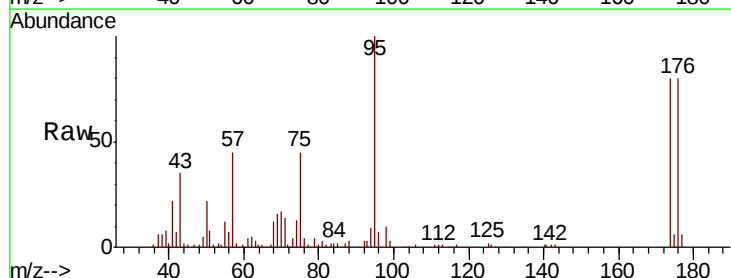
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

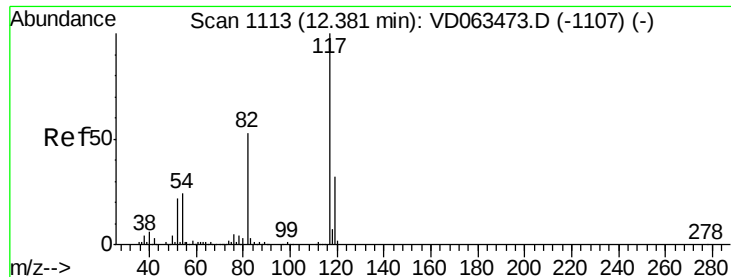
Tgt Ion: 43 Resp: 23516
Ion Ratio Lower Upper
43 100
58 4.1 23.1 69.2#



#62
4-Bromofluorobenzene
Concen: 27.136 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 95 Resp: 220055
Ion Ratio Lower Upper
95 100
174 79.6 0.0 155.4
176 79.7 0.0 152.4

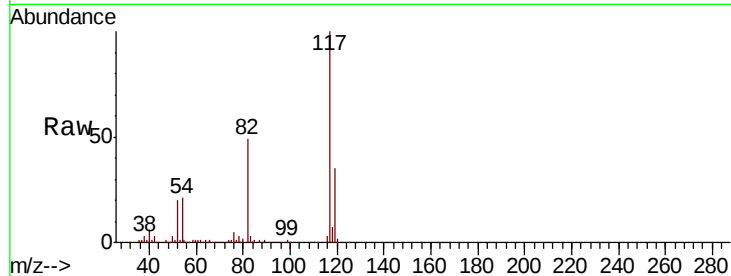




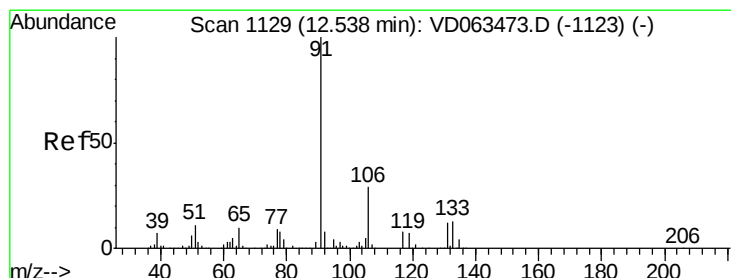
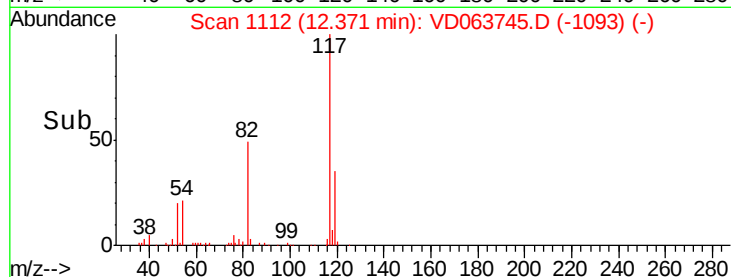
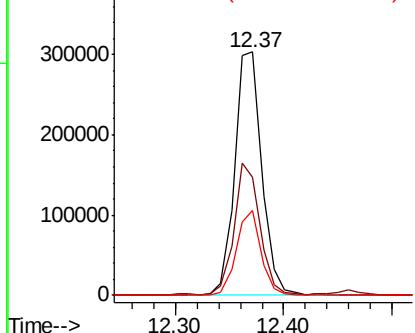
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

Tgt Ion: 117 Resp: 527107
Ion Ratio Lower Upper
117 100
82 48.7 42.0 63.0
119 34.8 25.4 38.0

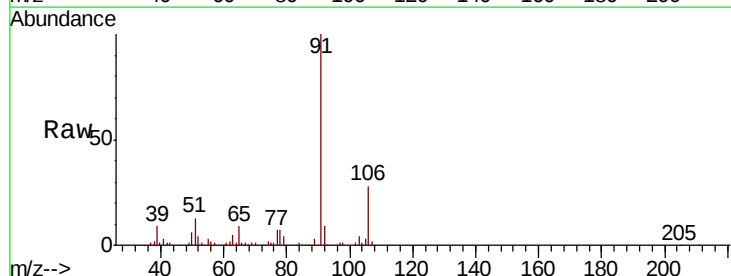


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

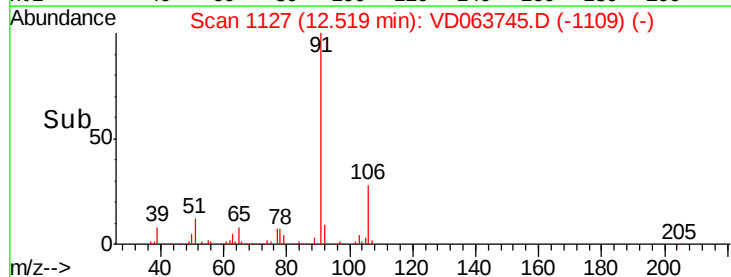
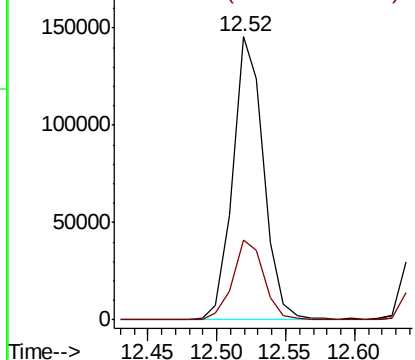


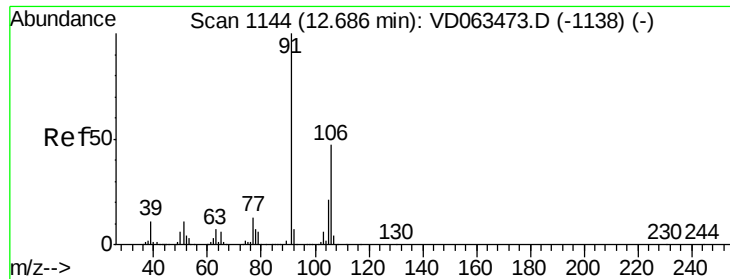
#67
Ethyl Benzene
Concen: 13.169 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 91 Resp: 226208
Ion Ratio Lower Upper
91 100
106 28.0 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

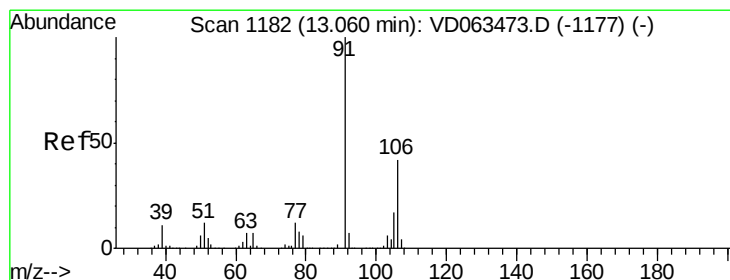
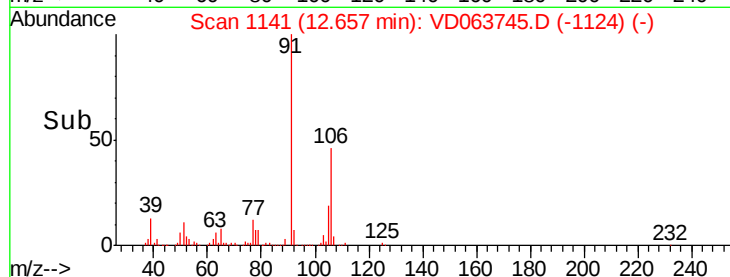
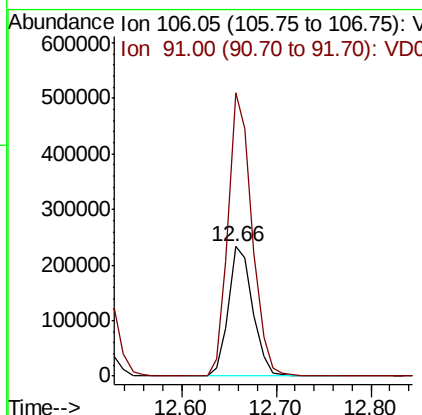
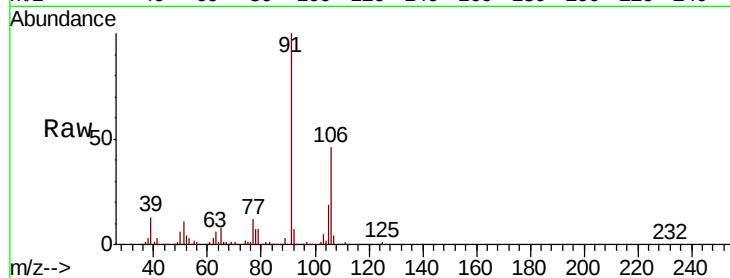




#68
m/p-Xylenes
Concen: 68.783 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

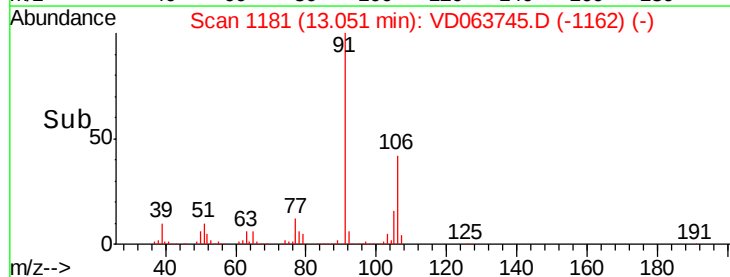
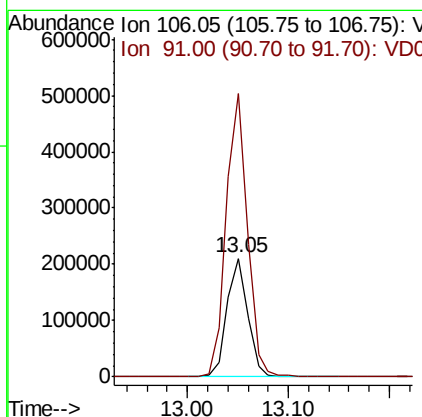
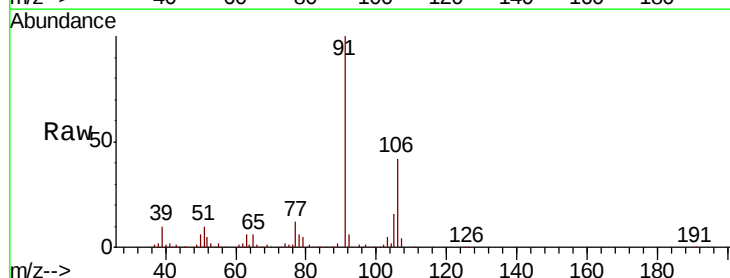
Instrument :
MSVOA_D
ClientSampleId :
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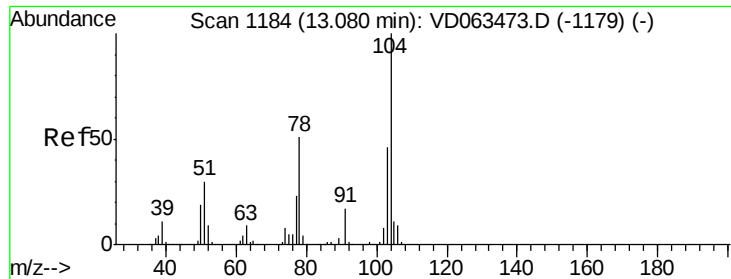
Tgt Ion:106 Resp: 415110
Ion Ratio Lower Upper
106 100
91 218.8 171.8 257.8



#69
o-Xylene
Concen: 52.116 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion:106 Resp: 302715
Ion Ratio Lower Upper
106 100
91 238.6 118.1 354.2

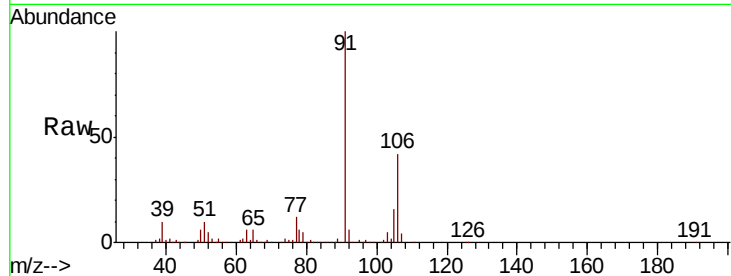




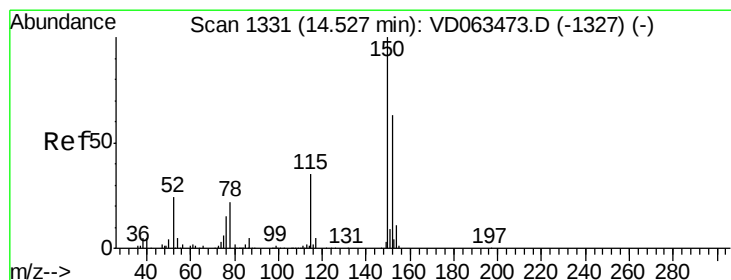
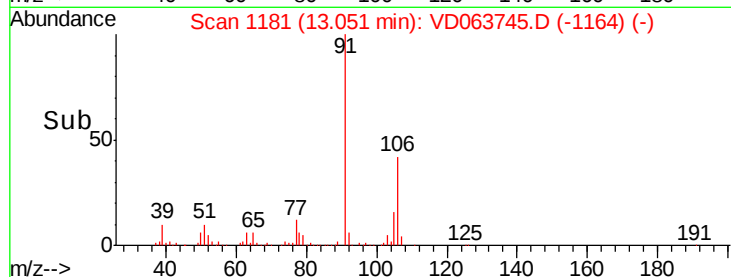
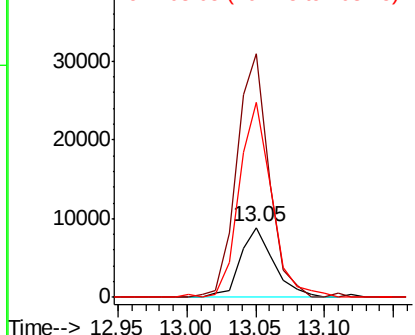
#70
Styrene
Concen: 1.451 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

Tgt Ion:104 Resp: 14992
Ion Ratio Lower Upper
104 100
78 348.2 40.8 61.2#
103 278.1 36.4 54.6#

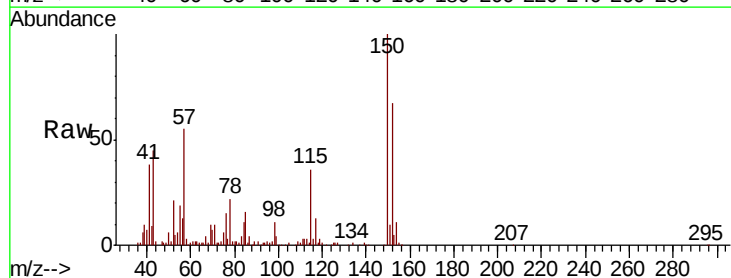


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

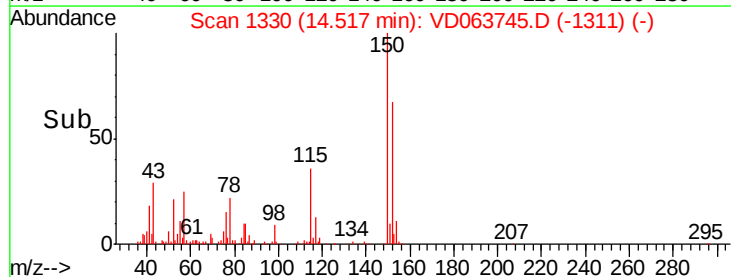
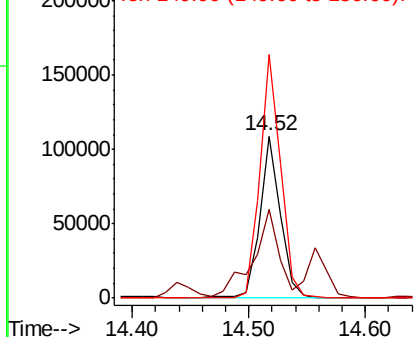


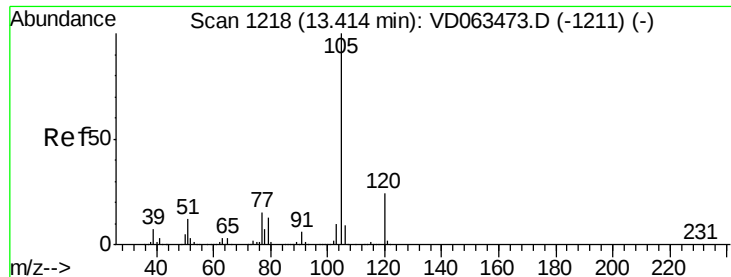
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion:152 Resp: 133385
Ion Ratio Lower Upper
152 100
115 54.7 30.9 92.7
150 150.2 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: 14.296 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

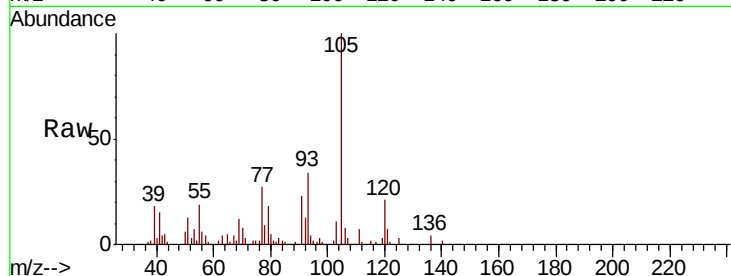
CFVP-228LRE

Tgt Ion: 105 Resp: 121284

Ion Ratio Lower Upper

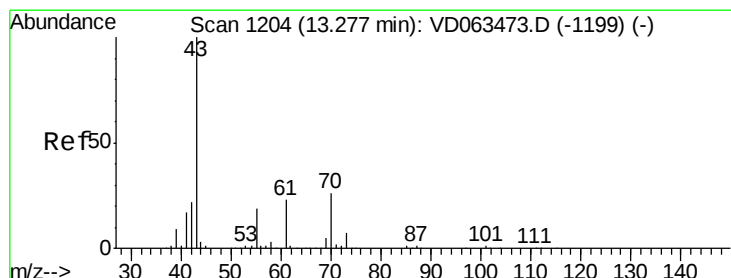
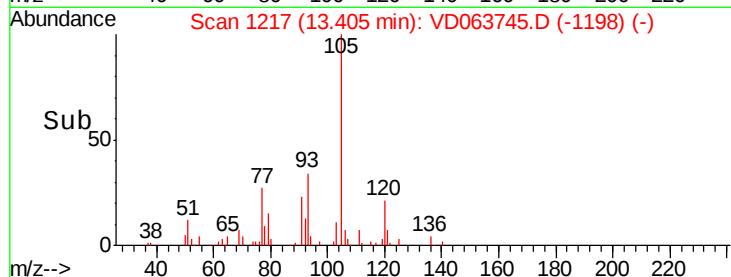
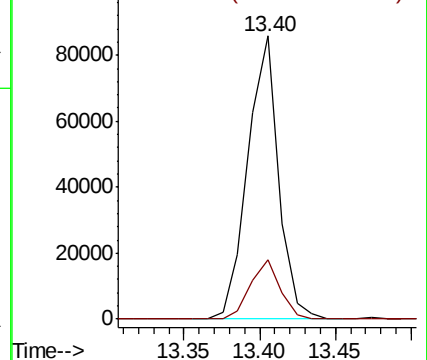
105 100

120 21.0 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: 12.357 ug/l

RT: 13.31 min Scan# 1207

Delta R.T. 0.03 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Tgt Ion: 43 Resp: 26317

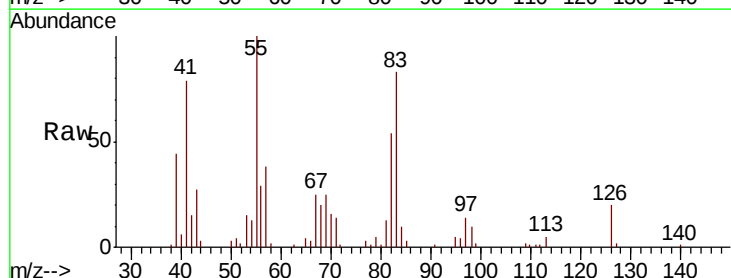
Ion Ratio Lower Upper

43 100

70 61.4 21.1 31.7#

55 373.5 15.4 23.0#

61 0.0 18.2 27.2#

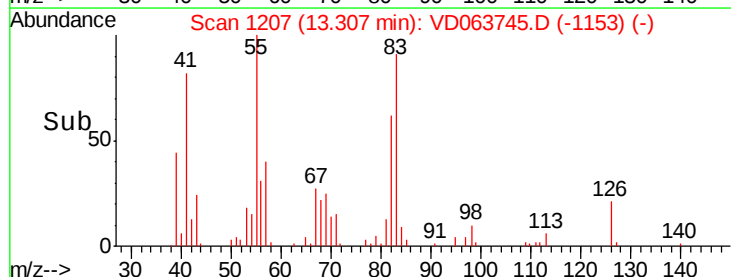
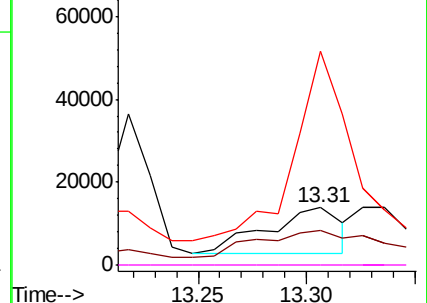


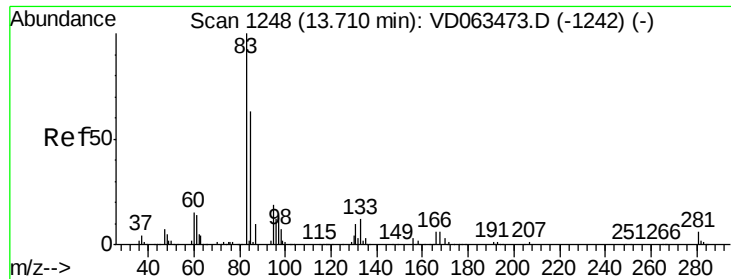
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 6.781 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228LRE

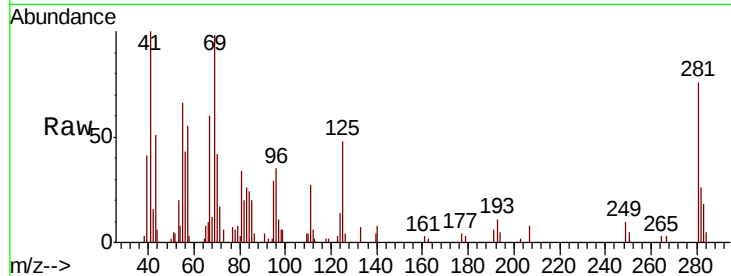
Tgt Ion: 83 Resp: 9549

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

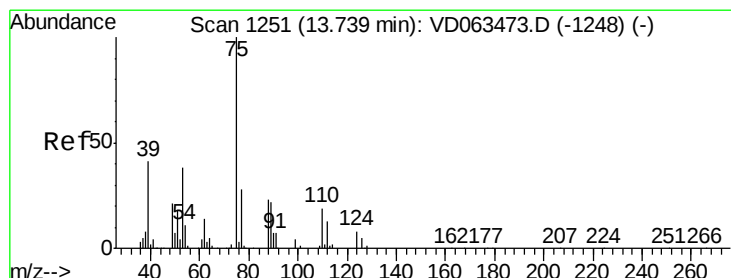
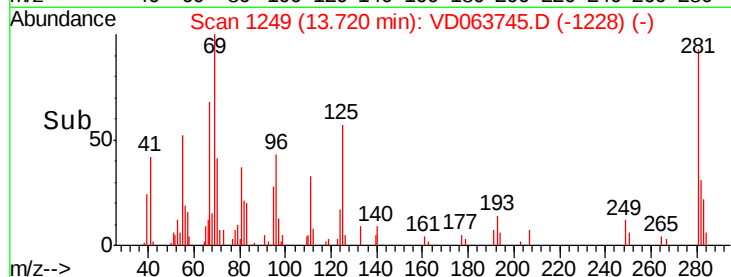
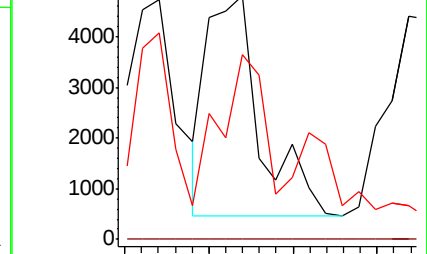
85 75.9 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 7.109 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.11 min

Lab File: VD063745.D

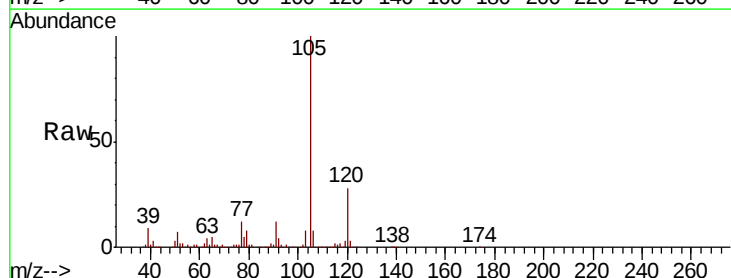
Acq: 22 Aug 2019 20:37

Tgt Ion: 75 Resp: 10883

Ion Ratio Lower Upper

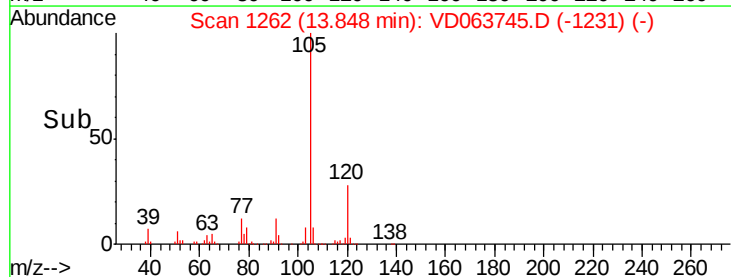
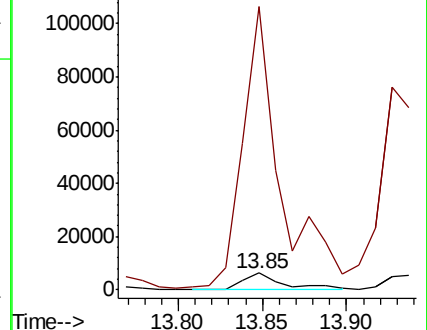
75 100

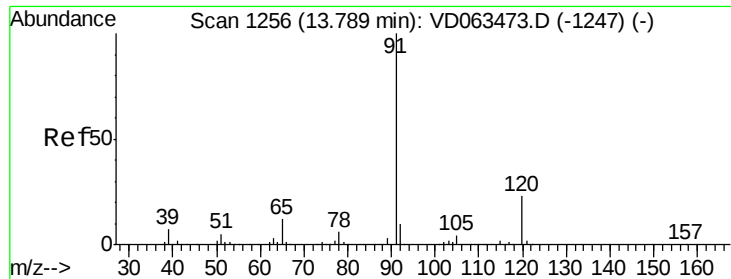
77 1693.8 15.1 45.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 18.829 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

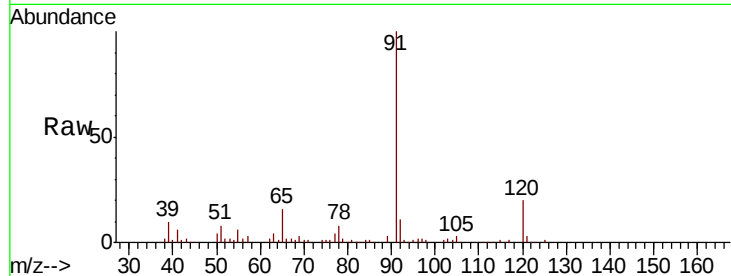
CFVP-228LRE

Tgt Ion: 91 Resp: 186910

Ion Ratio Lower Upper

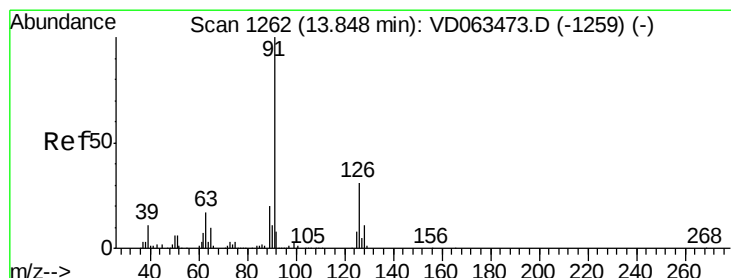
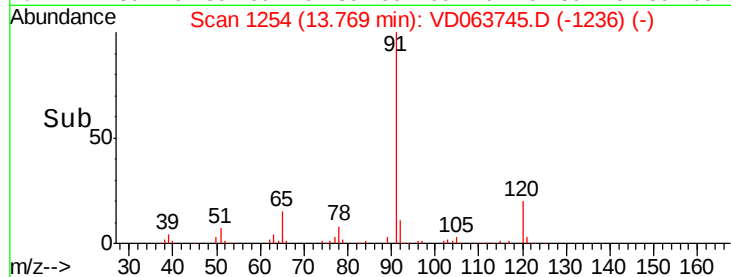
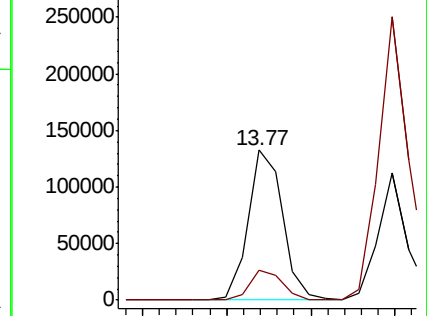
91 100

120 19.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 28.044 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD063745.D

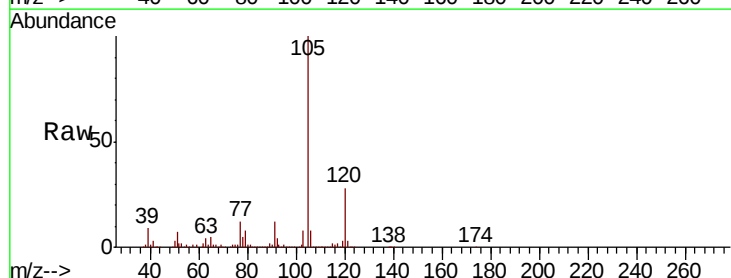
Acq: 22 Aug 2019 20:37

Tgt Ion: 91 Resp: 160508

Ion Ratio Lower Upper

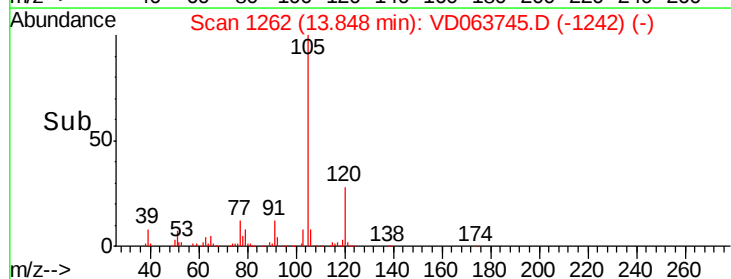
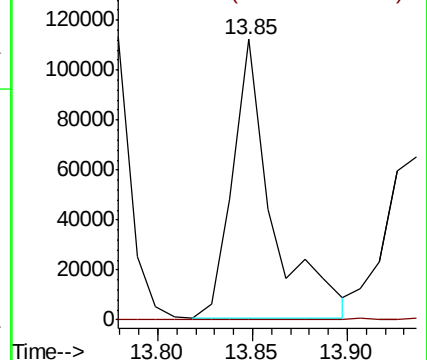
91 100

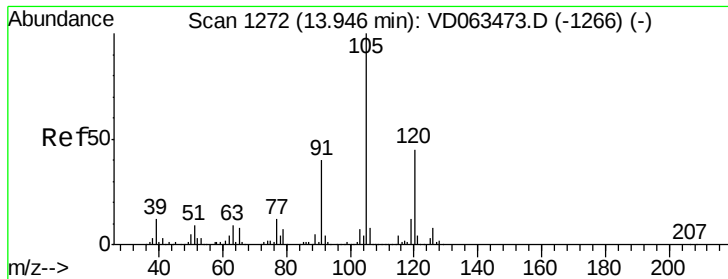
126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

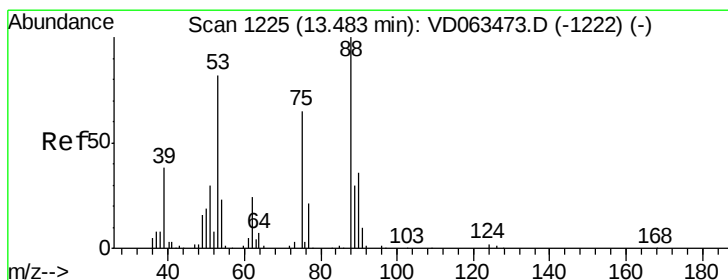
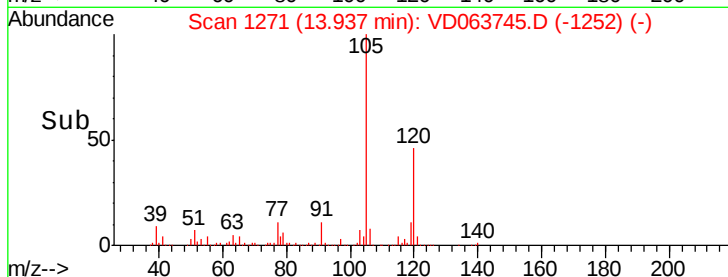
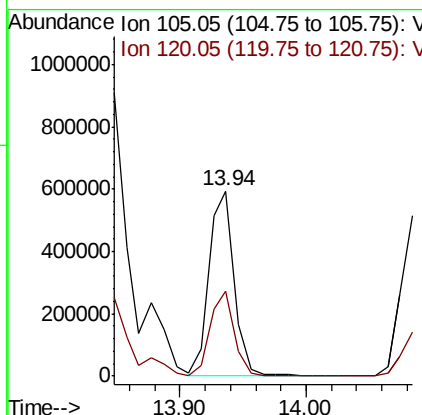
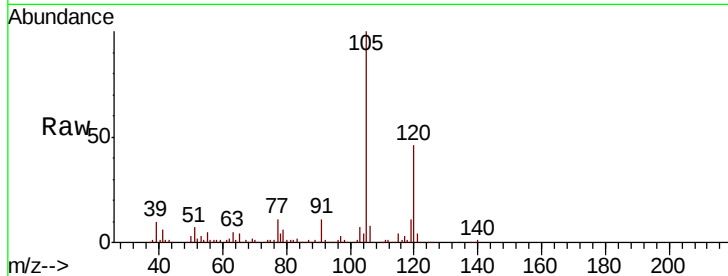




#80
 1,3,5-Trimethylbenzene
 Concen: 111.480 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

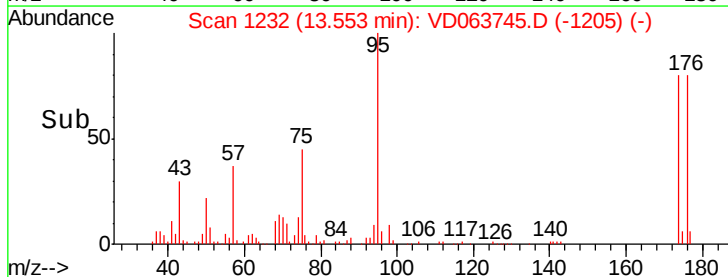
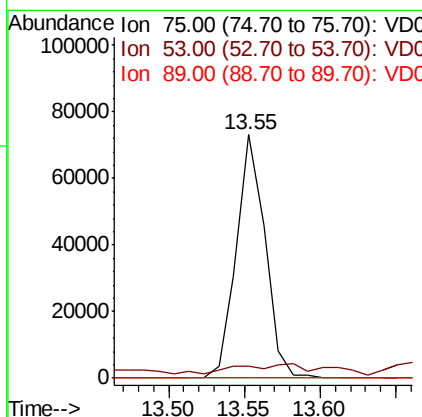
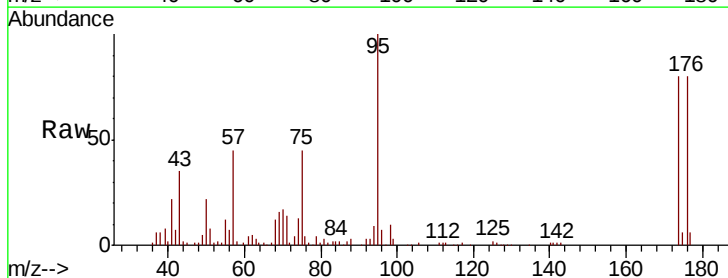
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228LRE

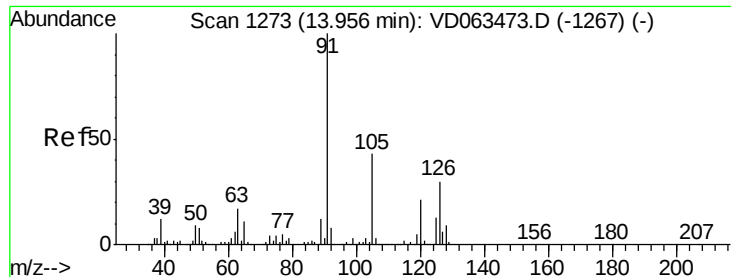
Tgt Ion:105 Resp: 826382
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 233.857 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063745.D
 Acq: 22 Aug 2019 20:37

Tgt Ion: 75 Resp: 96219
 Ion Ratio Lower Upper
 75 100
 53 5.0 101.0 151.4#
 89 0.0 37.0 55.6#

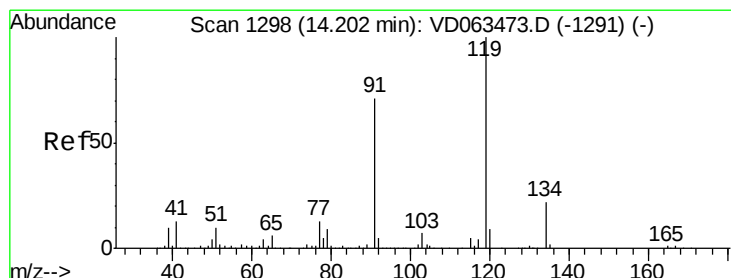
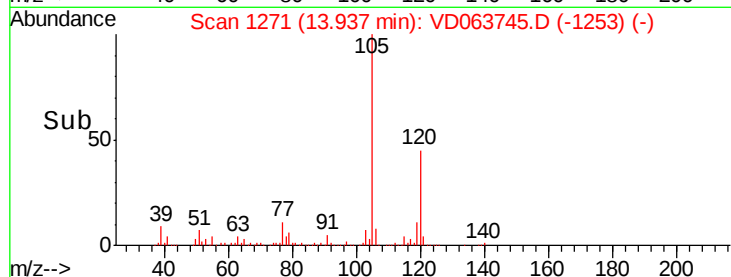
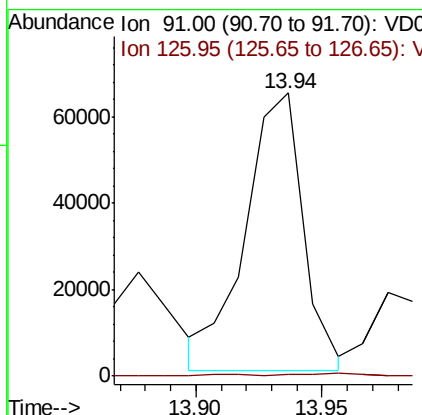
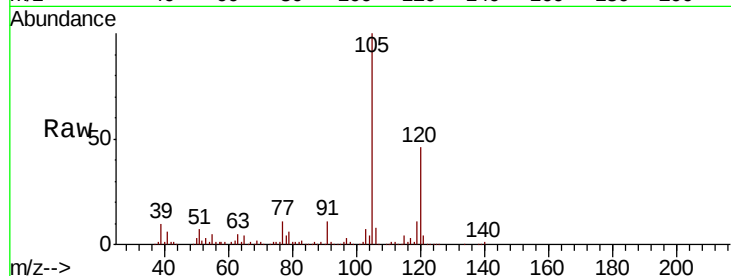




#82
4-Chlorotoluene
Concen: 14.947 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

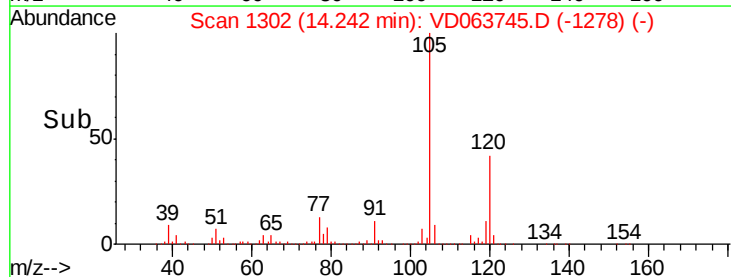
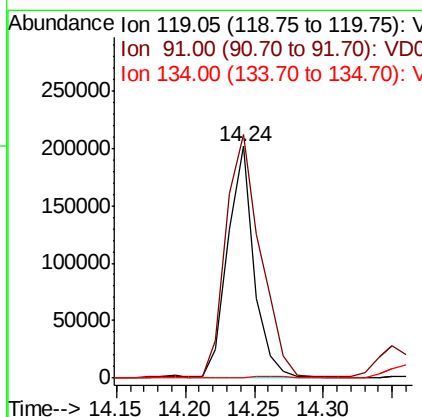
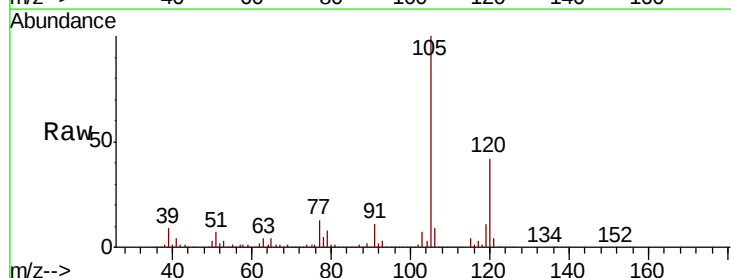
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

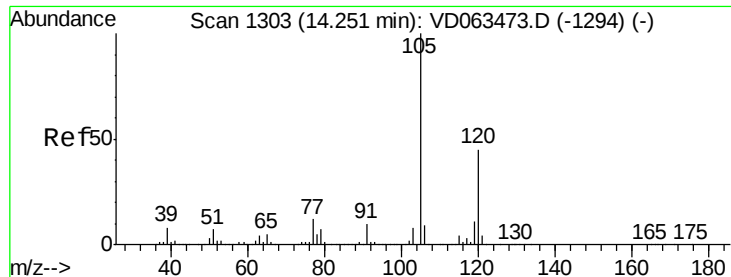
Tgt Ion: 91 Resp: 102873
Ion Ratio Lower Upper
91 100
126 0.8 15.2 45.6#



#83
tert-Butylbenzene
Concen: 34.516 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.04 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 119 Resp: 269428
Ion Ratio Lower Upper
119 100
91 104.9 35.5 106.7
134 0.2 11.1 33.1#





#84

1,2,4-Trimethylbenzene

Concen: 356.958 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

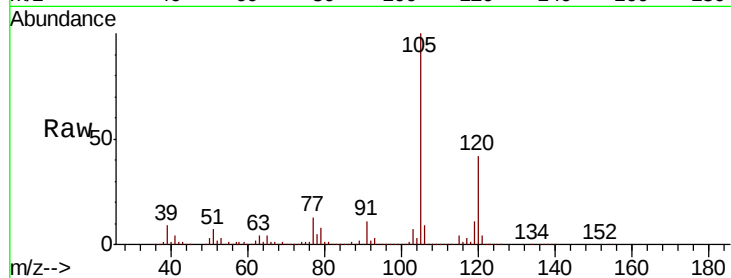
CFVP-228LRE

Tgt Ion:105 Resp: 2448310

Ion Ratio Lower Upper

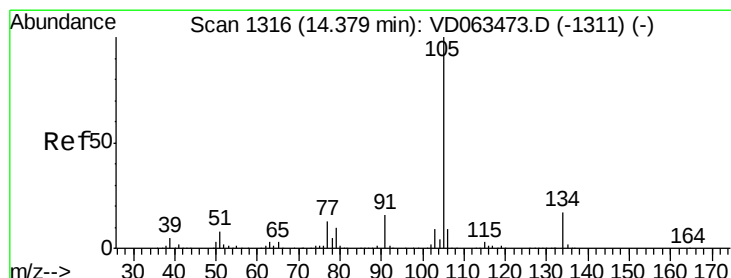
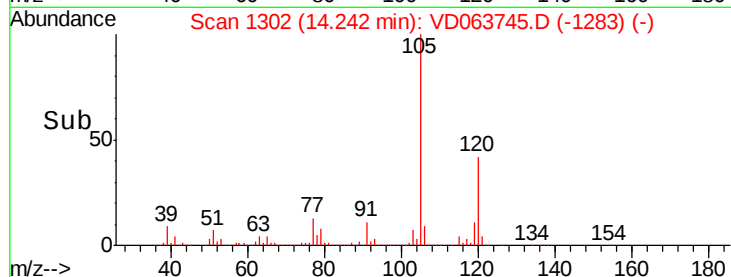
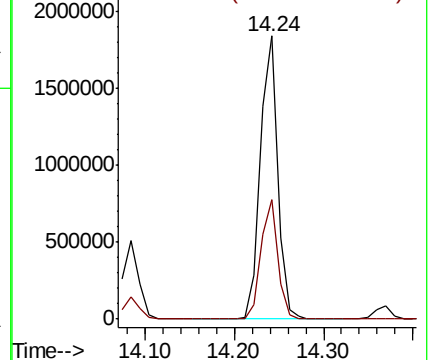
105 100

120 42.4 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 13.162 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063745.D

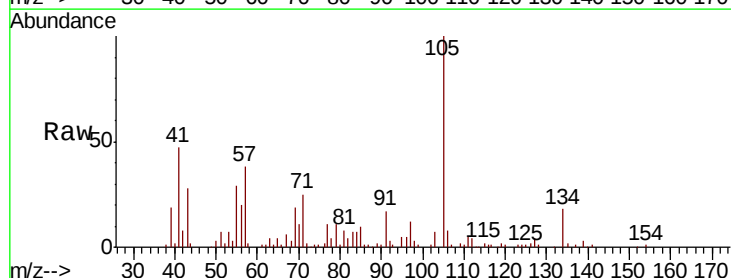
Acq: 22 Aug 2019 20:37

Tgt Ion:105 Resp: 109112

Ion Ratio Lower Upper

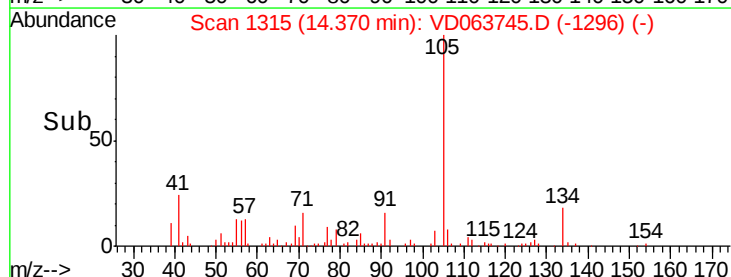
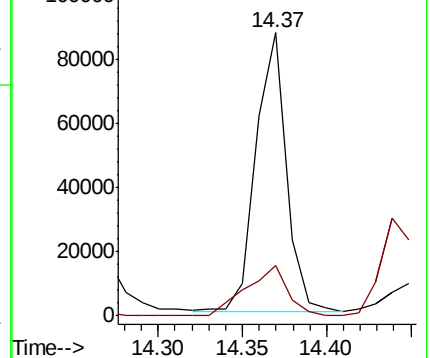
105 100

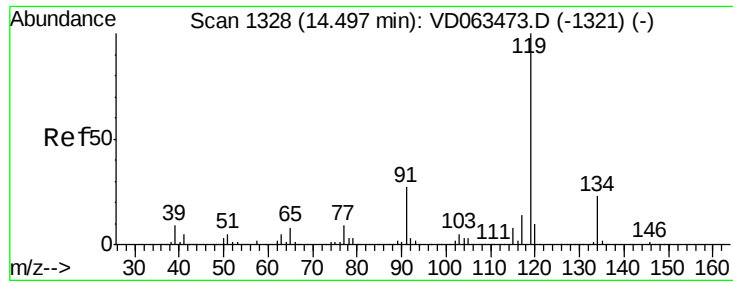
134 17.7 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

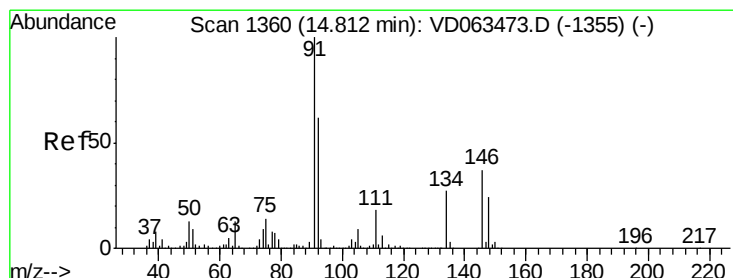
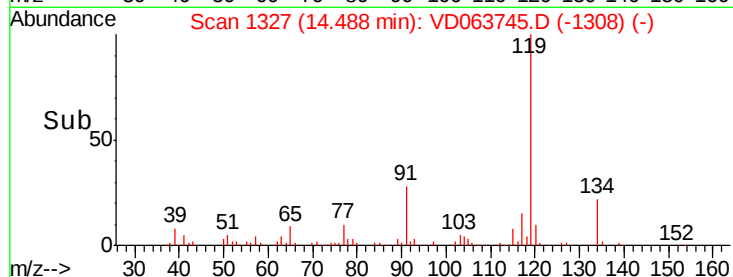
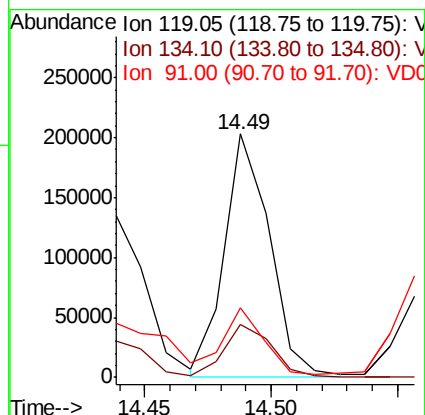
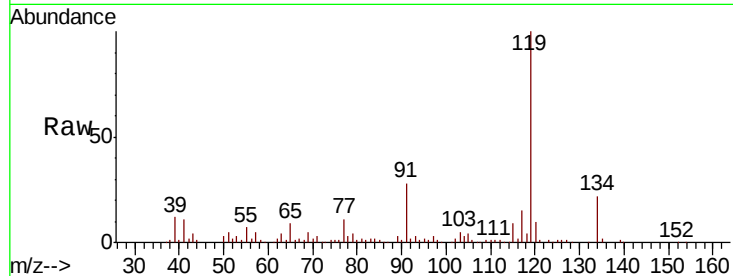




#86
p-Isopropyltoluene
Concen: 31.812 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

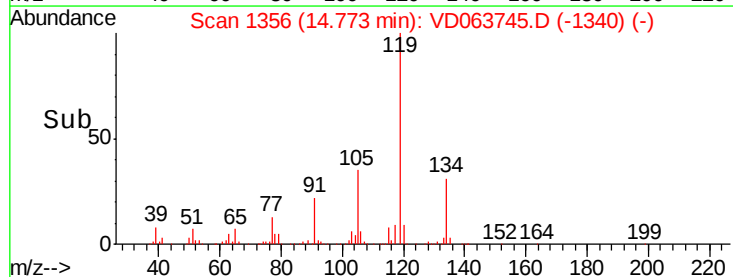
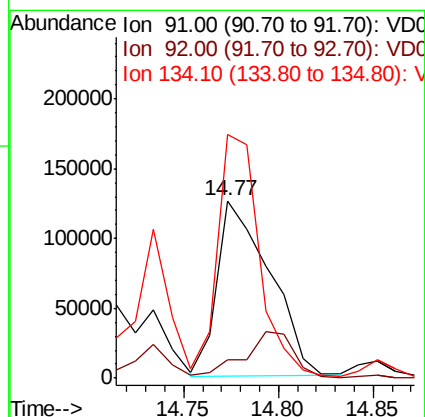
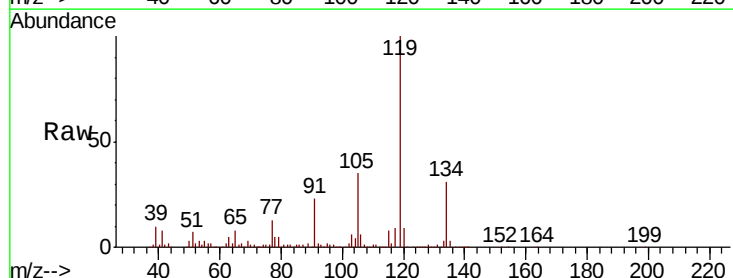
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

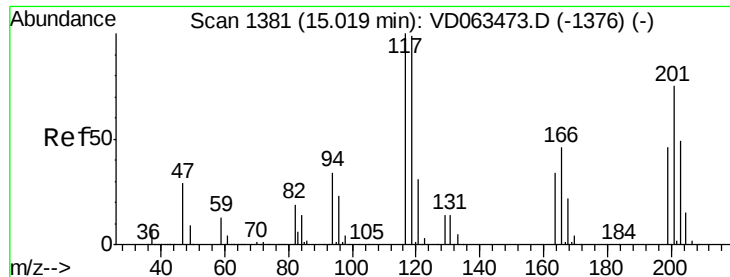
Tgt Ion: 119 Resp: 252153
Ion Ratio Lower Upper
119 100
134 21.5 11.3 33.8
91 28.4 13.5 40.4



#89
n-Butylbenzene
Concen: 33.658 ug/l
RT: 14.77 min Scan# 1356
Delta R.T. -0.04 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion: 91 Resp: 243489
Ion Ratio Lower Upper
91 100
92 10.7 30.8 92.3#
134 137.1 13.4 40.2#





#90

Hexachloroethane

Concen: 37.501 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.04 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

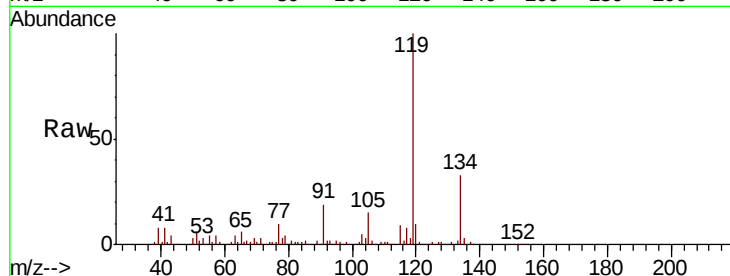
CFVP-228LRE

Tgt Ion:117 Resp: 74711

Ion Ratio Lower Upper

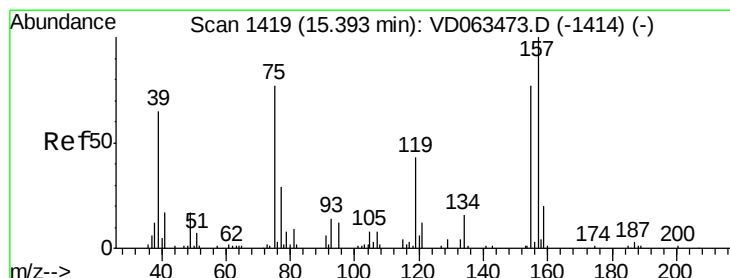
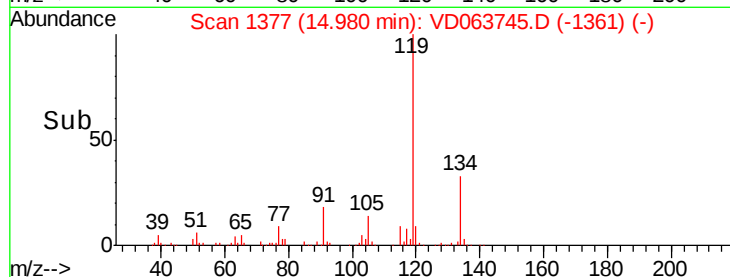
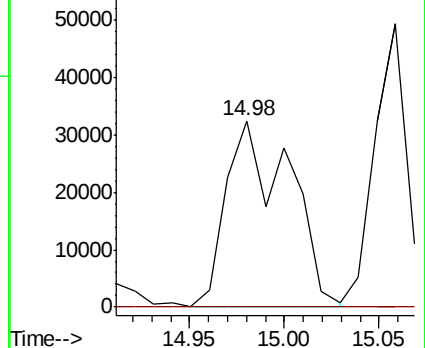
117 100

201 0.0 37.5 112.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.647 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063745.D

Acq: 22 Aug 2019 20:37

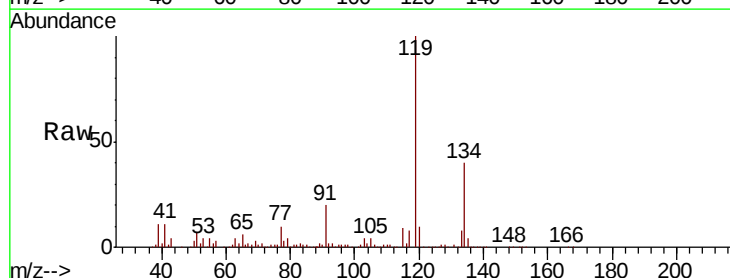
Tgt Ion: 75 Resp: 4414

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

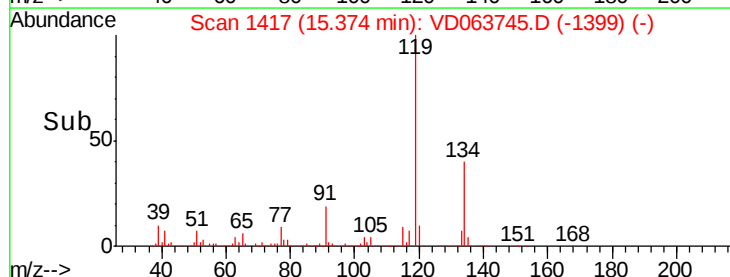
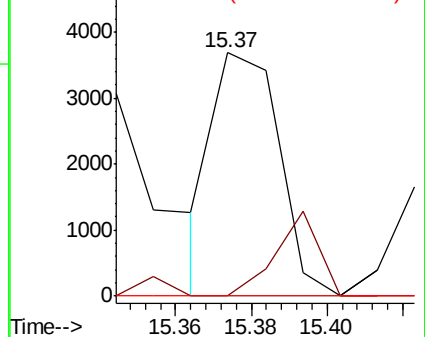
157 0.0 65.0 195.1#

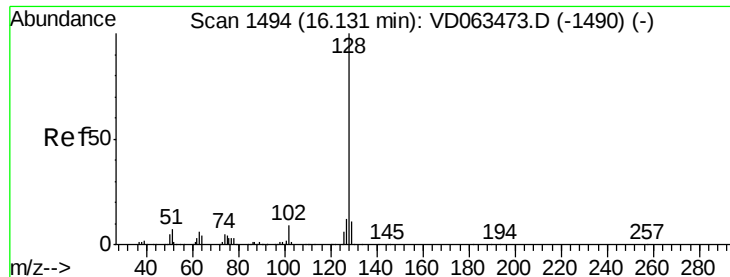


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

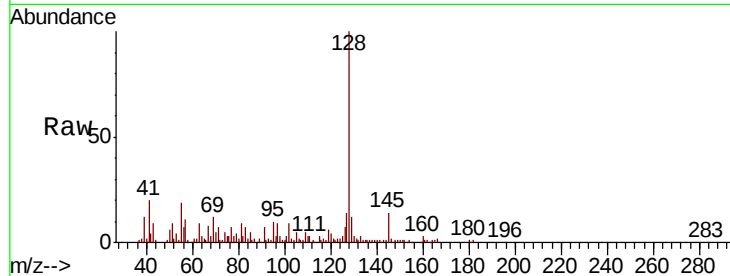




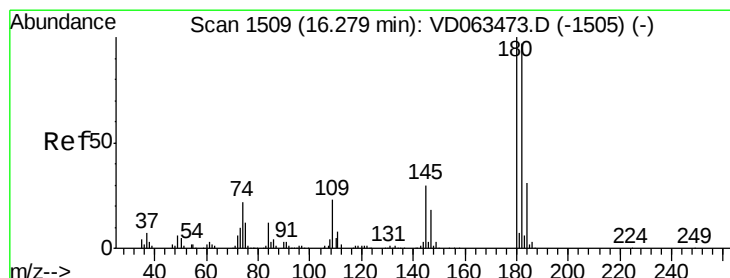
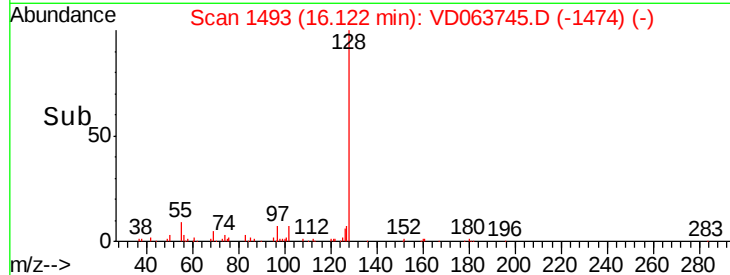
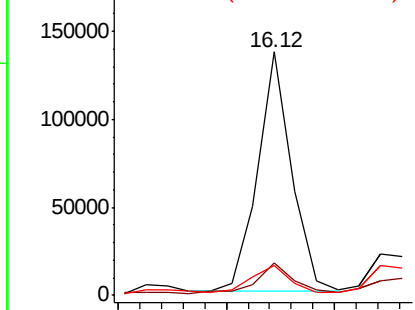
#95
Naphthalene
Concen: 37.630 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
CFVP-228LRE

Tgt Ion:128 Resp: 149321
Ion Ratio Lower Upper
128 100
127 13.5 9.4 14.0
129 12.4 8.5 12.7

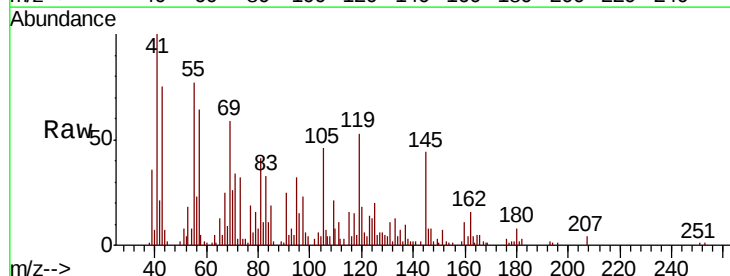


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.825 ug/l
RT: 16.30 min Scan# 1511
Delta R.T. 0.02 min
Lab File: VD063745.D
Acq: 22 Aug 2019 20:37

Tgt Ion:180 Resp: 3860
Ion Ratio Lower Upper
180 100
182 35.8 48.4 145.2#
145 544.0 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

