

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063756.D
 Acq On : 23 Aug 2019 10:37
 Operator : JC/SY
 Sample : VD082319SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Quant Time: Aug 26 01:03:38 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	7.04	168	967841	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1355305	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1066112	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	564552	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	560205	54.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	6.91	113	599176	52.49	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.41	98	1354652	53.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	13.56	95	569334	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	242965	20.750	ug/l	96
3) Chloromethane	1.74	50	186676	20.405	ug/l	99
4) Vinyl Chloride	1.83	62	187160	20.608	ug/l	95
5) Bromomethane	2.14	94	69876	16.306	ug/l	90
6) Chloroethane	2.24	64	86352	20.792	ug/l	98
7) Trichlorofluoromethane	2.51	101	430981	24.193	ug/l	97
8) Diethyl Ether	2.86	74	57321	22.790	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.13	101	218803	20.801	ug/l	99
10) Methyl Iodide	3.28	142	265229	17.821	ug/l	96
11) Tert butyl alcohol	4.08	59	47113	104.612	ug/l	97
12) 1,1-Dichloroethene	3.10	96	165007	21.099	ug/l	96
13) Acrolein	3.02	56	37109	83.712	ug/l	90
14) Allyl chloride	3.60	41	253844	21.592	ug/l	97
15) Acrylonitrile	4.17	53	138979	116.506	ug/l #	78
16) Acetone	3.21	43	232013	110.323	ug/l	96
17) Carbon Disulfide	3.36	76	492976	19.973	ug/l	98
18) Methyl Acetate	3.62	43	92098	23.120	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	356710	22.807	ug/l	98
20) Methylene Chloride	3.80	84	180372	19.835	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	183642	22.315	ug/l	92
22) Diisopropyl ether	5.10	45	552252	22.764	ug/l	93
23) Vinyl Acetate	5.04	43	1557079	110.403	ug/l	99
24) 1,1-Dichloroethane	4.96	63	325918	21.660	ug/l	99
25) 2-Butanone	6.06	43	224448	108.062	ug/l	97
26) 2,2-Dichloropropane	6.02	77	343190	22.899	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	201531	22.382	ug/l	97
28) Bromochloromethane	6.42	49	117036	19.192	ug/l	94
29) Tetrahydrofuran	6.46	42	104448	107.918	ug/l	94
30) Chloroform	6.65	83	424136	22.678	ug/l	94
31) Cyclohexane	6.94	56	208493	22.320	ug/l	94
32) 1,1,1-Trichloroethane	6.85	97	402069	22.473	ug/l	99
36) 1,1-Dichloropropene	7.14	75	256755	21.430	ug/l	98
37) Ethyl Acetate	6.17	43	113908	22.689	ug/l #	94
38) Carbon Tetrachloride	7.10	117	362848	20.094	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	226287	22.211	ug/l	93
40) Benzene	7.44	78	569908	21.615	ug/l	94
41) Methacrylonitrile	6.43	41	145399	23.001	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	284558	21.464	ug/l	100
43) Isopropyl Acetate	9.23	43	150728	22.416	ug/l #	99
44) Trichloroethene	8.54	130	222692	22.097	ug/l	98
45) 1,2-Dichloropropane	8.93	63	130727	21.291	ug/l	98
46) Dibromomethane	9.06	93	116086	22.139	ug/l	94
47) Bromodichloromethane	9.37	83	305135	22.686	ug/l	94
48) Methyl methacrylate	9.12	41	100321	22.000	ug/l	97
49) 1,4-Dioxane	9.09	88	19887	501.030	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	535278	116.337	ug/l	97
52) Toluene	10.50	92	366229	21.565	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	253635	23.107	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	263163	21.262	ug/l	90
55) 1,1,2-Trichloroethane	11.18	97	127745	22.268	ug/l	98
56) Ethyl methacrylate	11.04	69	139108	22.341	ug/l	96
57) 1,3-Dichloropropane	11.40	76	201042	23.185	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	355886	108.265	ug/l	96
59) 2-Hexanone	11.53	43	411849	123.018	ug/l	97
60) Dibromochloromethane	11.69	129	234569	22.471	ug/l	99
61) 1,2-Dibromoethane	11.80	107	152035	21.892	ug/l	98
64) Tetrachloroethene	11.25	164	201867	24.528	ug/l	93
65) Chlorobenzene	12.39	112	446482	22.345	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	207632	23.611	ug/l	97
67) Ethyl Benzene	12.52	91	829574	23.877	ug/l	98
68) m/p-Xylenes	12.66	106	597158	48.922	ug/l	91
69) o-Xylene	13.04	106	279294	23.774	ug/l	96
70) Styrene	13.07	104	510082	24.409	ug/l	94
71) Bromoform	13.23	173	135777	22.518	ug/l	97
73) Isopropylbenzene	13.40	105	862569	24.021	ug/l	98
74) N-amyl acetate	13.26	43	224129	24.864	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	143471	24.072	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	165741	25.581	ug/l	99
77) Bromobenzene	13.66	156	230882	23.526	ug/l	96
78) n-propylbenzene	13.77	91	1039947	24.752	ug/l	98
79) 2-Chlorotoluene	13.84	91	604610	24.959	ug/l	87
80) 1,3,5-Trimethylbenzene	13.93	105	682958	21.768	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	42200	24.233	ug/l	92
82) 4-Chlorotoluene	13.94	91	672312	23.080	ug/l	97
83) tert-Butylbenzene	14.19	119	881927	26.694	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	766459	26.402	ug/l	95
85) sec-Butylbenzene	14.36	105	934614	26.637	ug/l	100
86) p-Isopropyltoluene	14.49	119	835504	24.905	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	396745	22.350	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	406439	23.864	ug/l	96
89) n-Butylbenzene	14.80	91	798587	26.082	ug/l	98
90) Hexachloroethane	15.00	117	206470	24.486	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	389499	25.862	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25976	23.146	ug/l	77

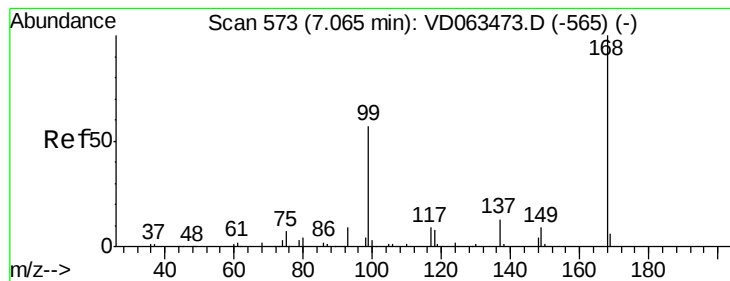
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
Data File : VD063756.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	294983	26.618	ug/l	96
94) Hexachlorobutadiene	16.04	225	207584	24.577	ug/l	95
95) Naphthalene	16.13	128	398306	23.716	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	230352	25.735	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

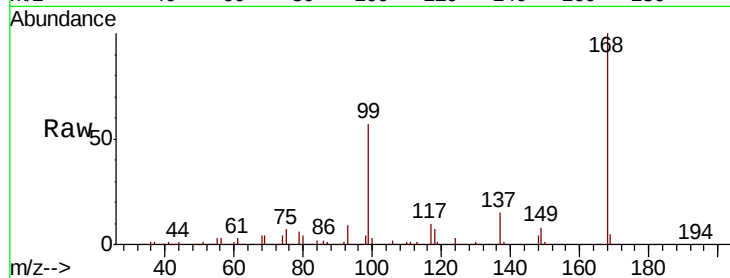
VD0823SBS01

Tgt Ion:168 Resp: 967841

Ion Ratio Lower Upper

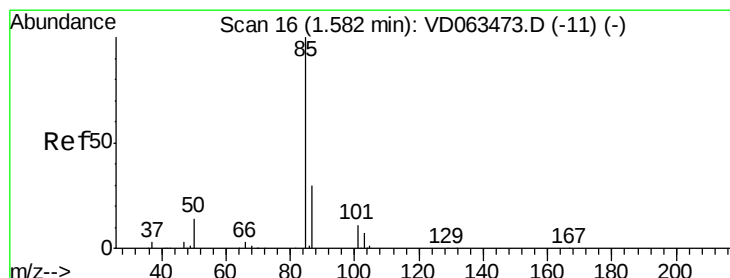
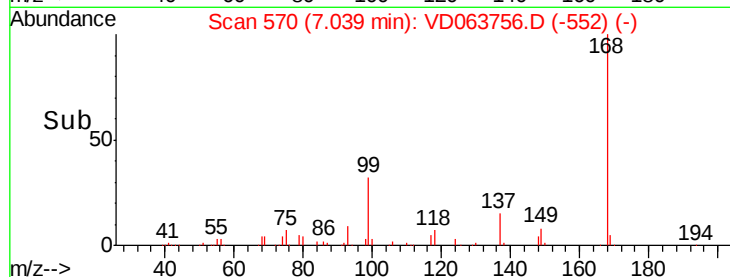
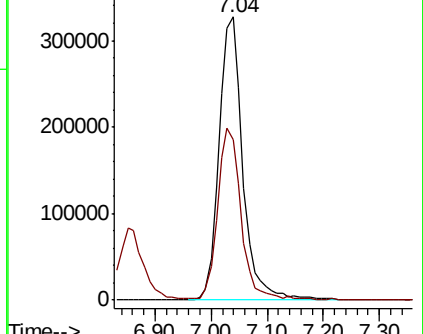
168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.750 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063756.D

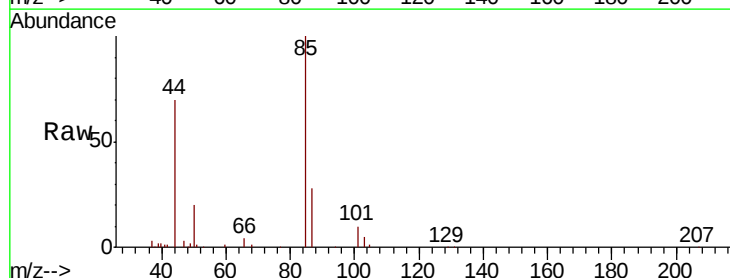
Acq: 23 Aug 2019 10:37

Tgt Ion: 85 Resp: 242965

Ion Ratio Lower Upper

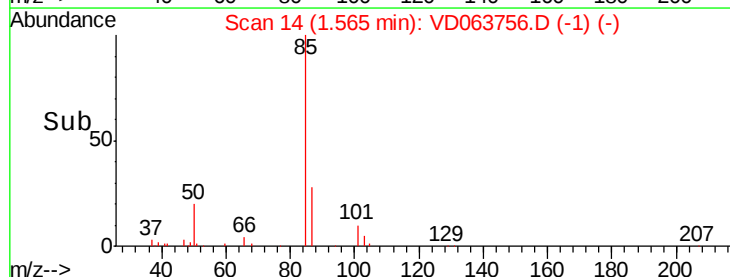
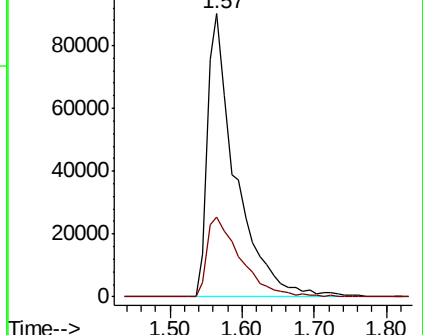
85 100

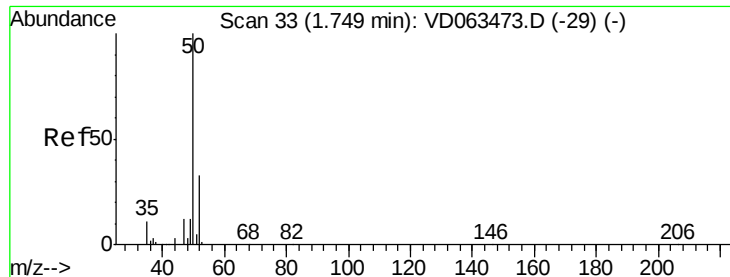
87 28.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.405 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

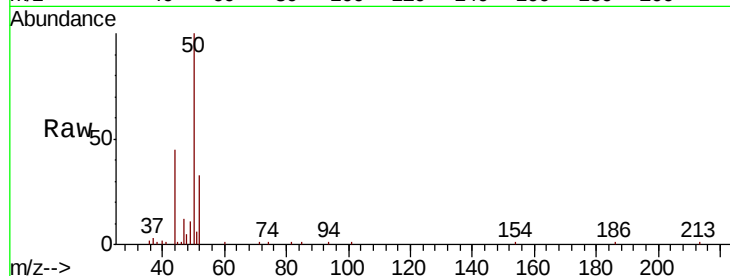
VD0823SBS01

Tgt Ion: 50 Resp: 186676

Ion Ratio Lower Upper

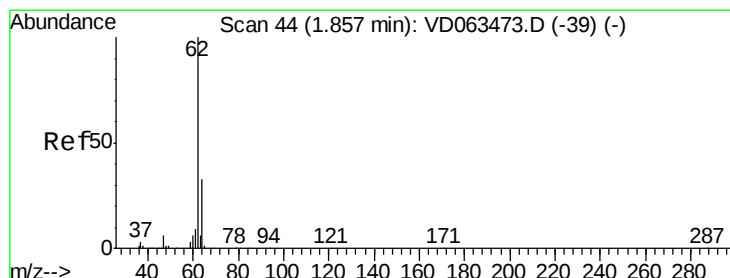
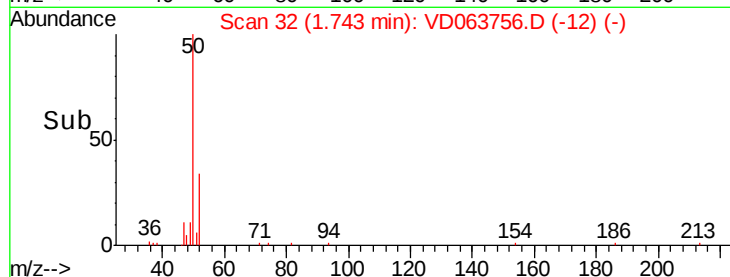
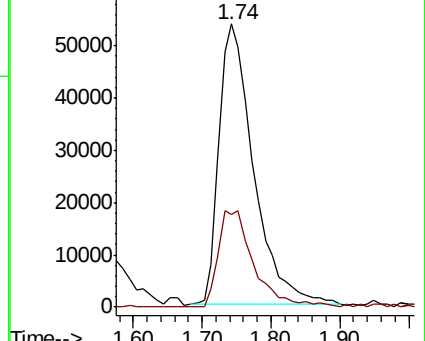
50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.608 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.03 min

Lab File: VD063756.D

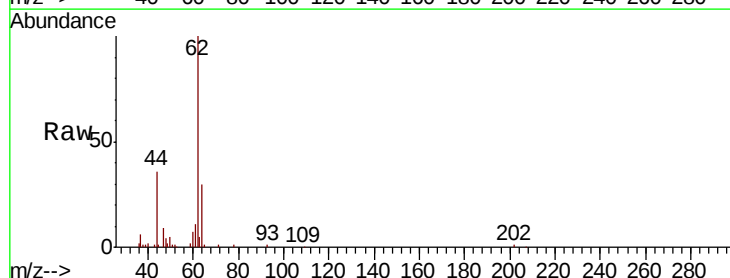
Acq: 23 Aug 2019 10:37

Tgt Ion: 62 Resp: 187160

Ion Ratio Lower Upper

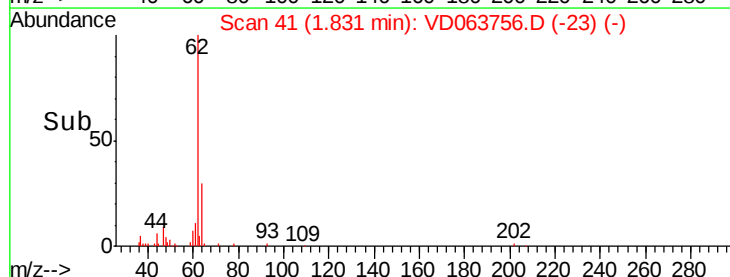
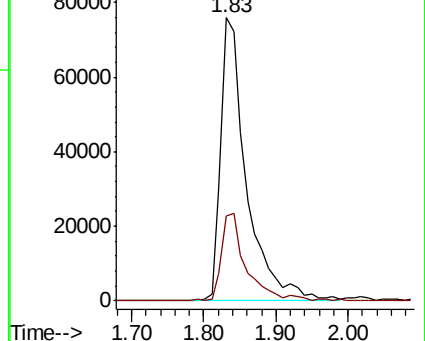
62 100

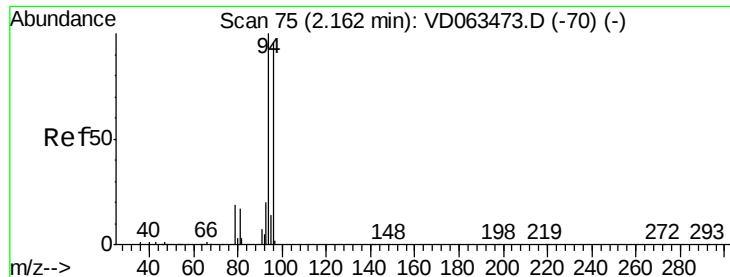
64 30.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.306 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

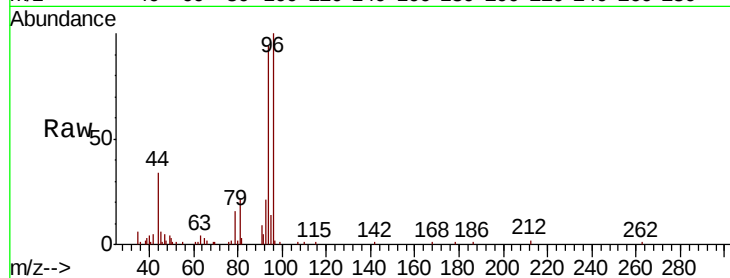
Tgt Ion: 94 Resp: 69876

Ion Ratio Lower Upper

94 100

96 106.2 76.5 114.7

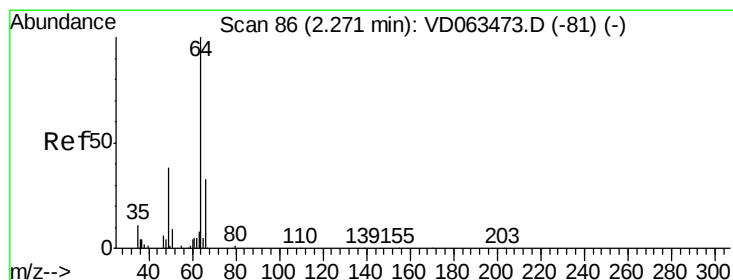
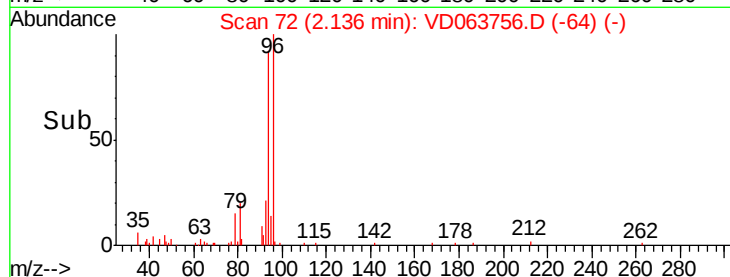
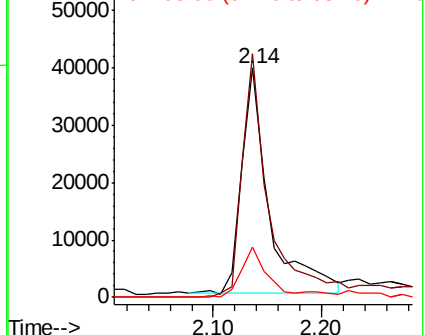
93 22.2 15.8 23.8



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



#6

Chloroethane

Concen: 20.792 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063756.D

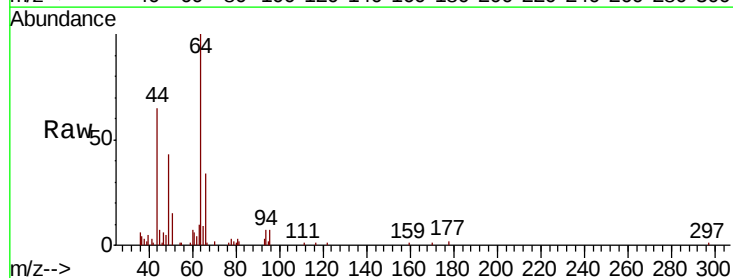
Acq: 23 Aug 2019 10:37

Tgt Ion: 64 Resp: 86352

Ion Ratio Lower Upper

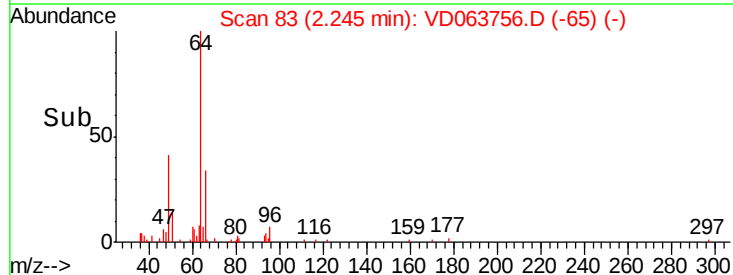
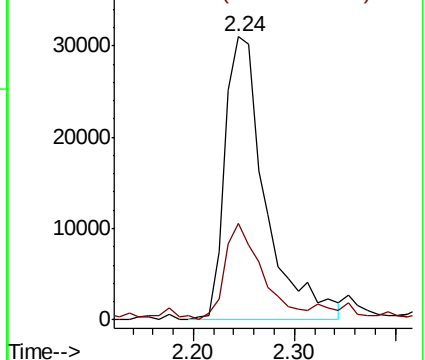
64 100

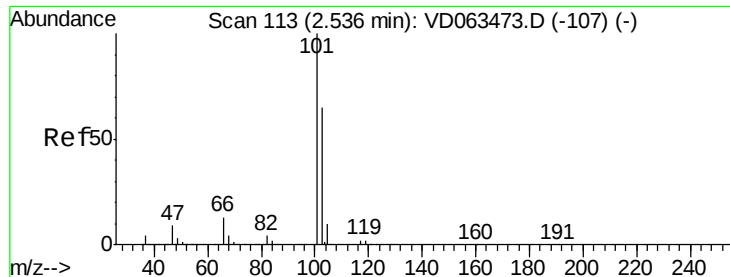
66 33.9 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



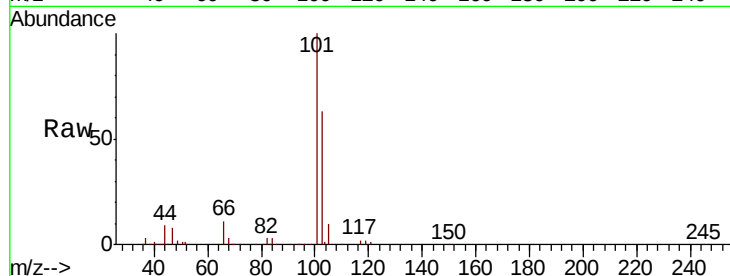


#7

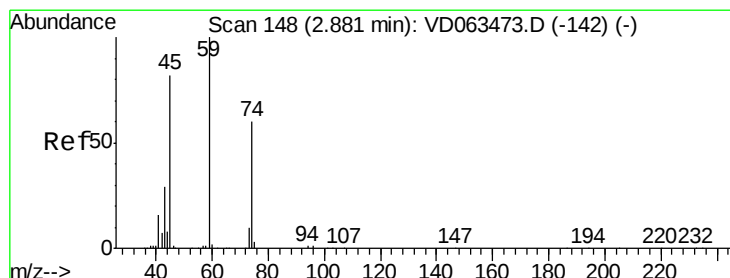
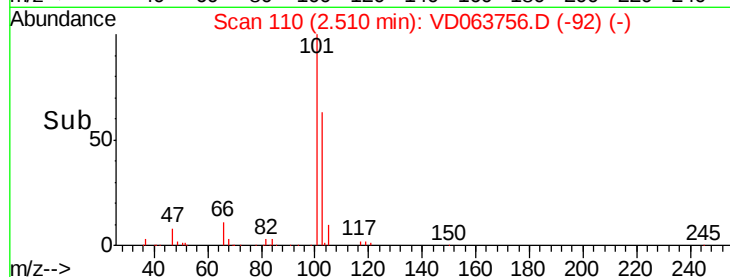
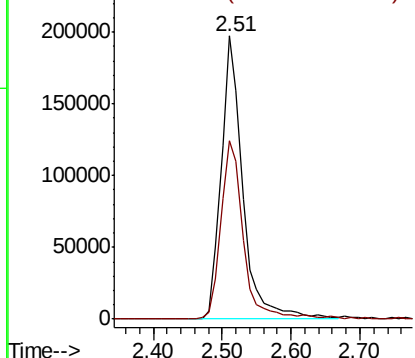
Trichlorofluoromethane
Concen: 24.193 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion: 101 Resp: 430981
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.4



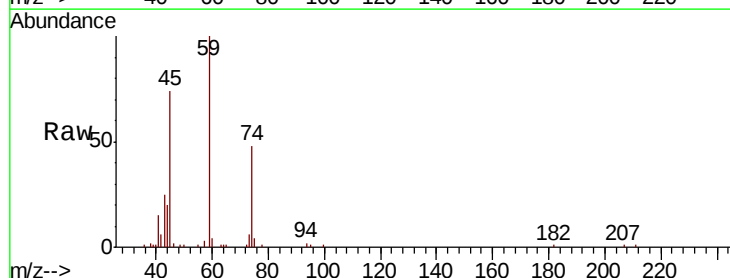
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



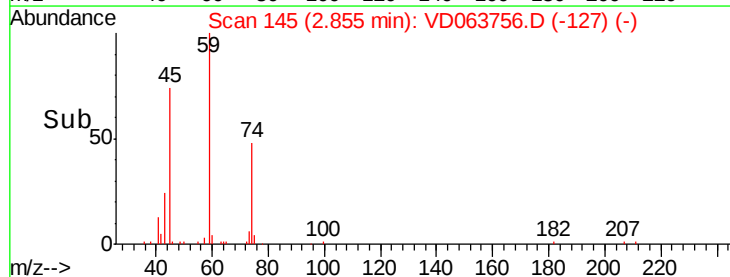
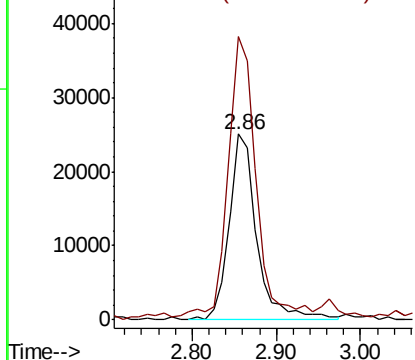
#8

Diethyl Ether
Concen: 22.790 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 74 Resp: 57321
Ion Ratio Lower Upper
74 100
45 152.4 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.801 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

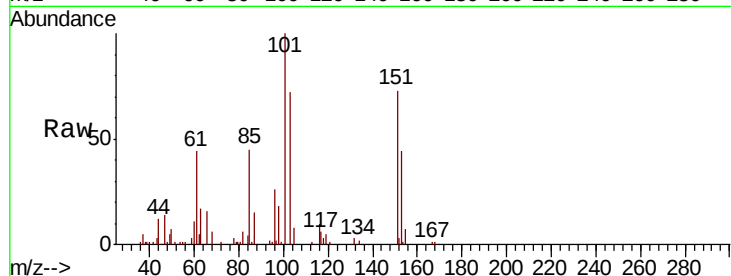
Tgt Ion:101 Resp: 218803

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

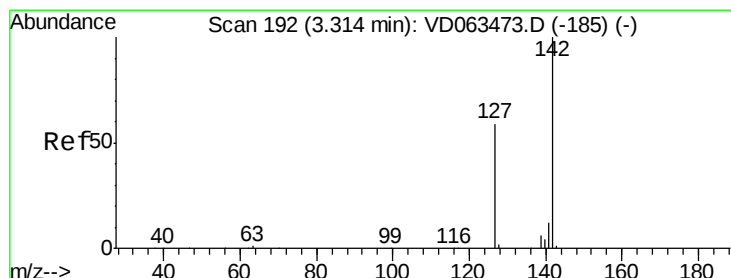
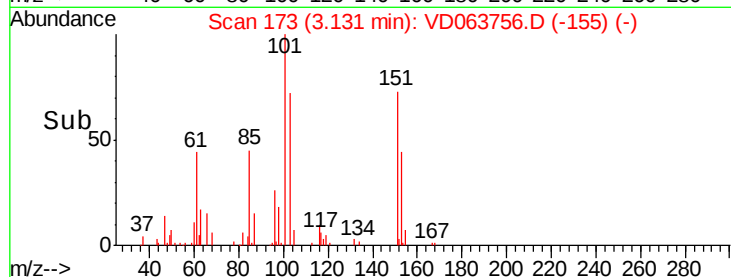
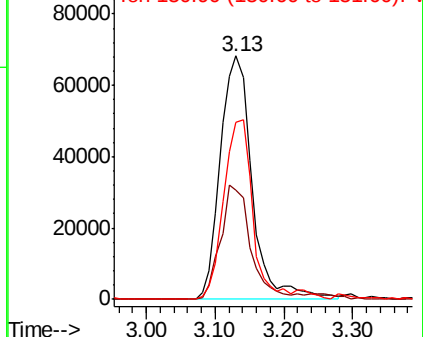
151 72.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.821 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

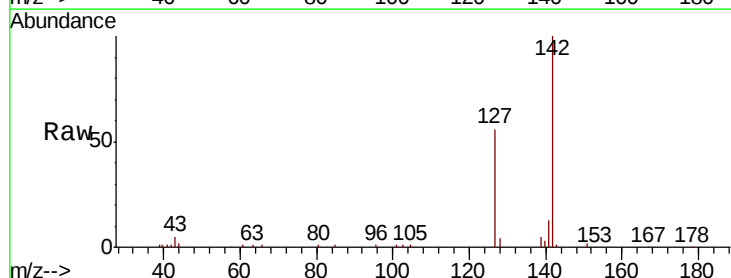
Tgt Ion:142 Resp: 265229

Ion Ratio Lower Upper

142 100

127 55.7 47.2 70.8

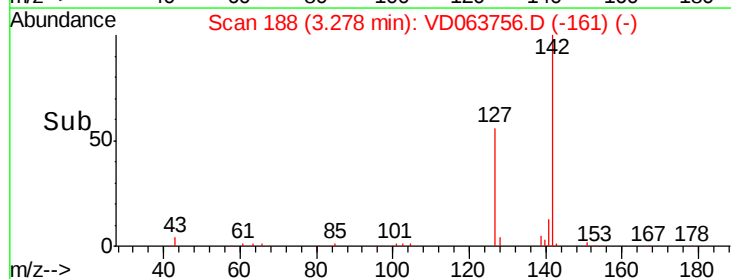
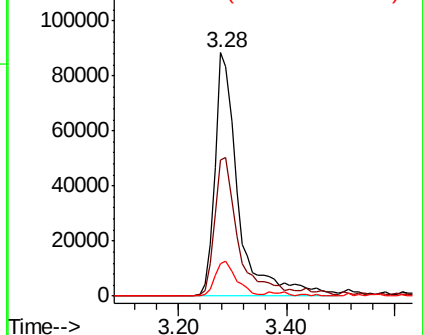
141 13.2 9.8 14.8

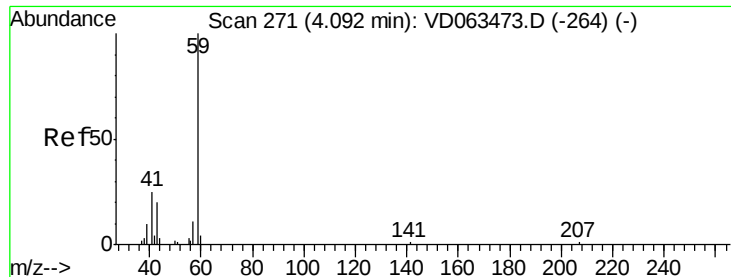


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



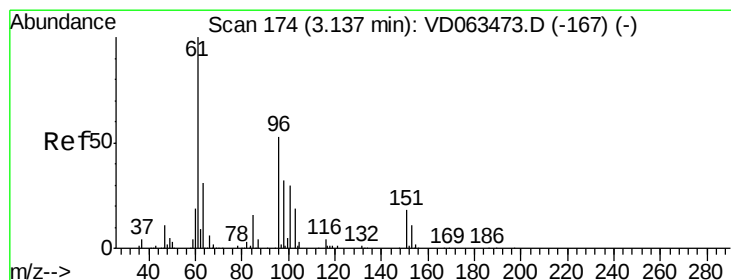
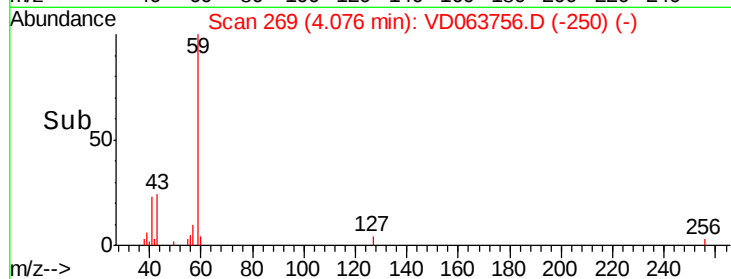
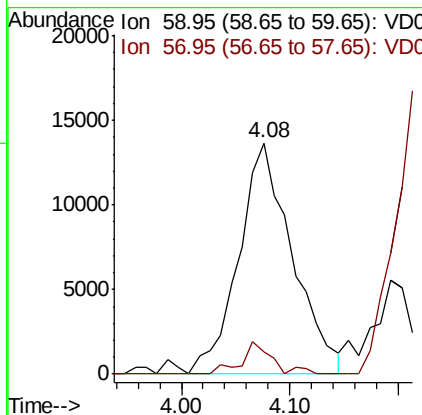
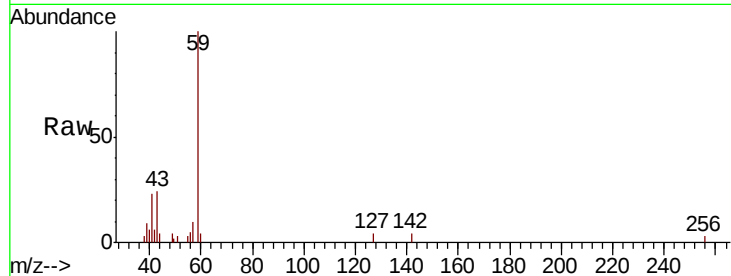


#11

Tert butyl alcohol
Concen: 104.612 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

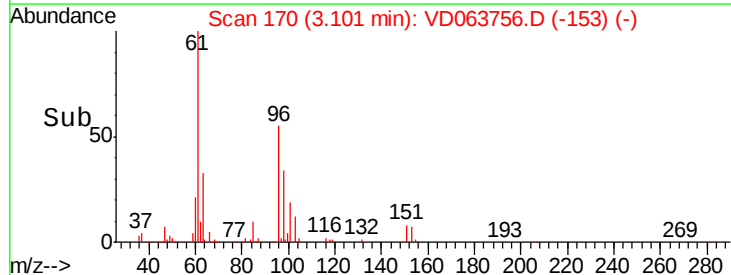
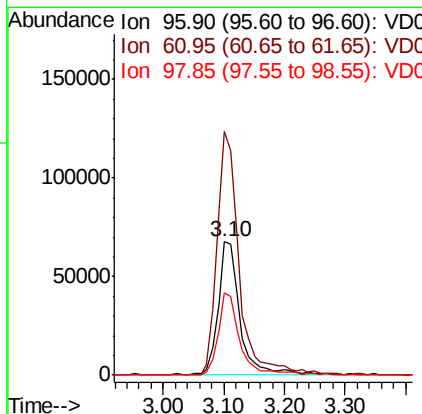
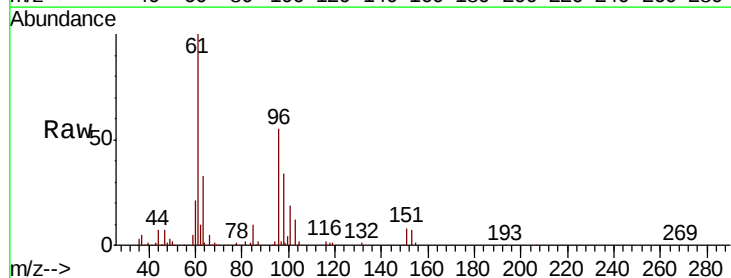
Tgt Ion: 59 Resp: 47113
Ion Ratio Lower Upper
59 100
57 9.8 8.7 13.1

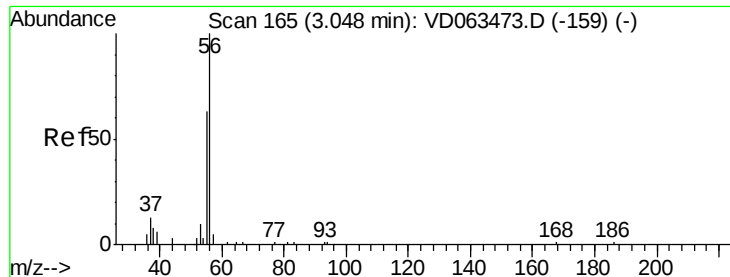


#12

1,1-Dichloroethene
Concen: 21.099 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.04 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 96 Resp: 165007
Ion Ratio Lower Upper
96 100
61 183.1 151.7 227.5
98 62.0 48.4 72.6





#13

Acrolein

Concen: 83.712 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

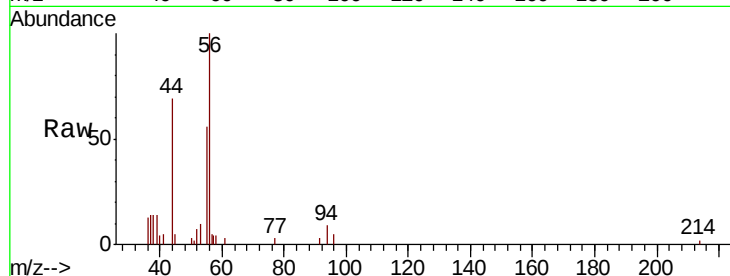
VD0823SBS01

Tgt Ion: 56 Resp: 37109

Ion Ratio Lower Upper

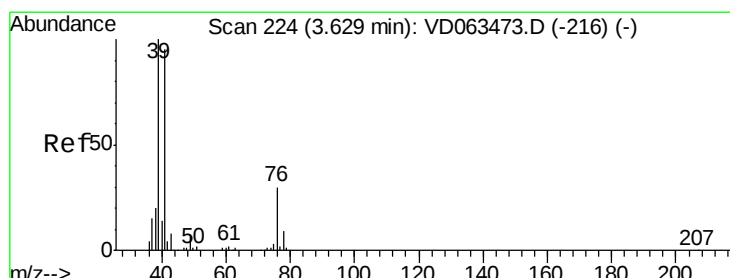
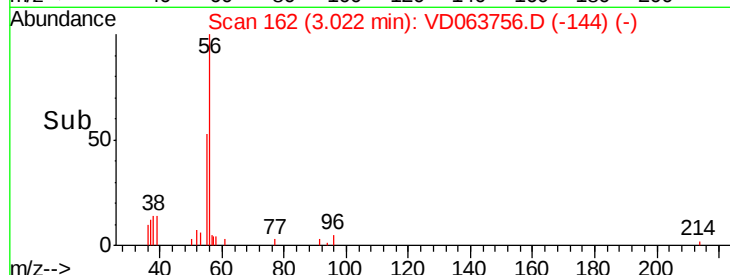
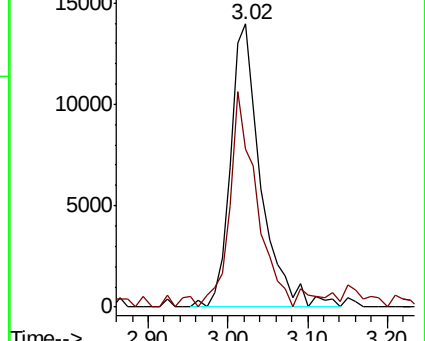
56 100

55 56.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.592 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

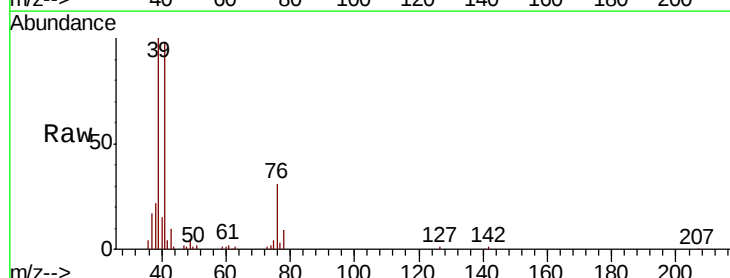
Tgt Ion: 41 Resp: 253844

Ion Ratio Lower Upper

41 100

39 102.1 84.2 126.4

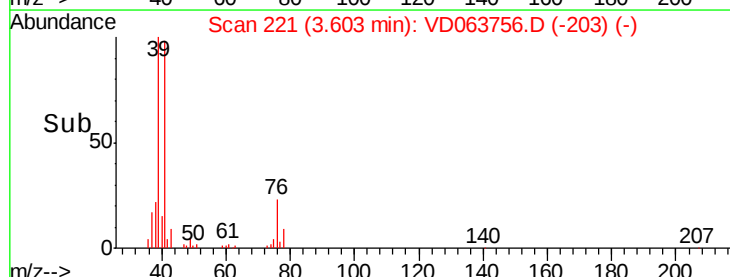
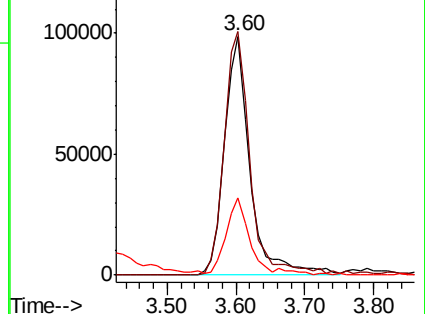
76 32.1 26.0 39.0

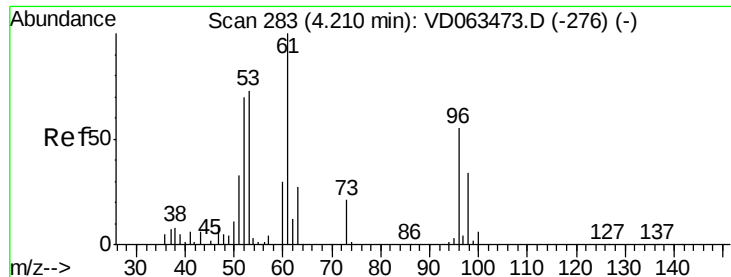


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 116.506 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

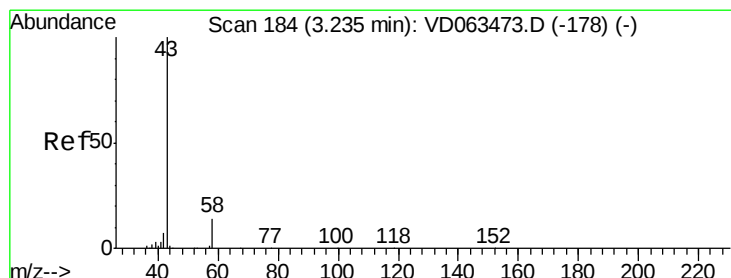
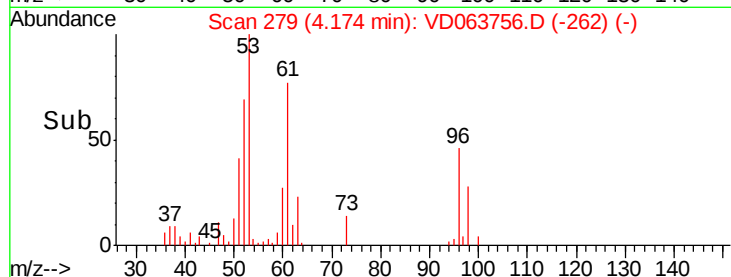
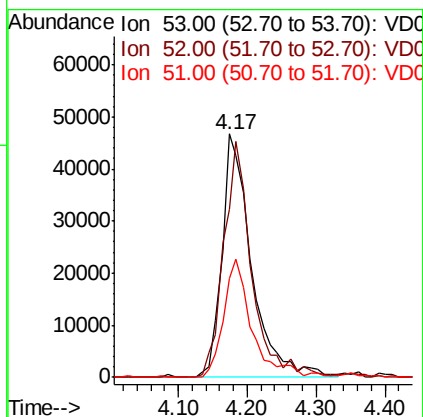
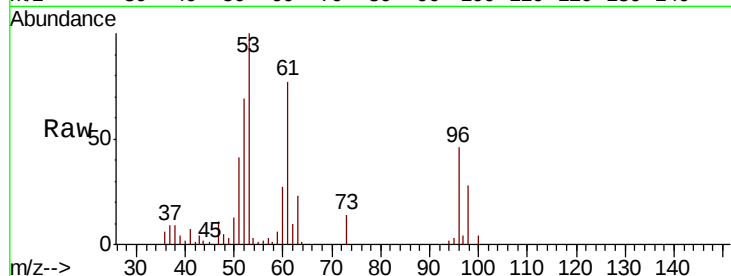
Tgt Ion: 53 Resp: 138979

Ion Ratio Lower Upper

53 100

52 69.0 77.4 116.0#

51 40.6 36.7 55.1



#16

Acetone

Concen: 110.323 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063756.D

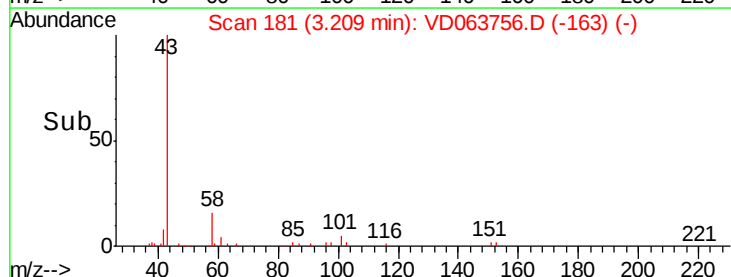
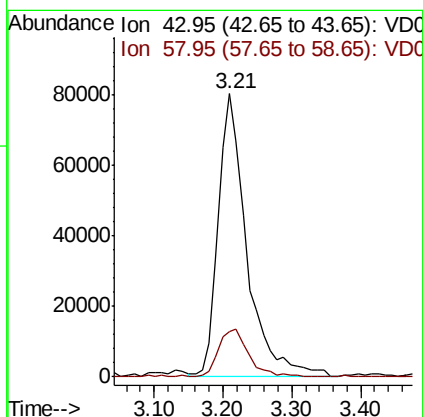
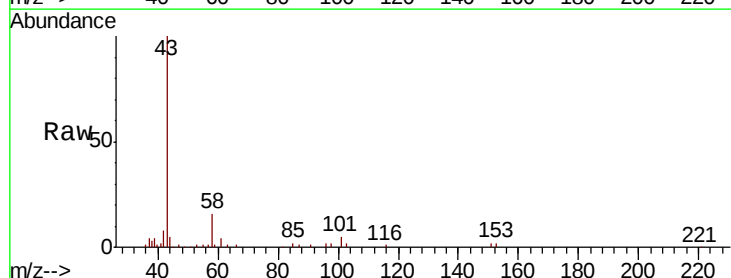
Acq: 23 Aug 2019 10:37

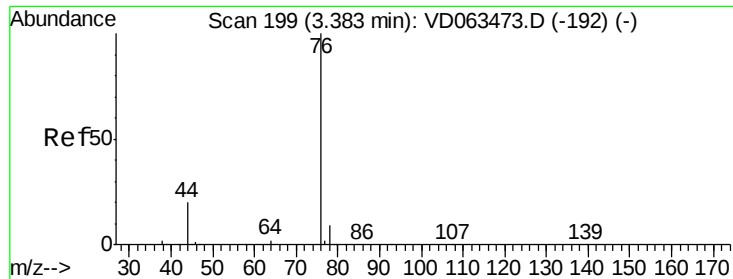
Tgt Ion: 43 Resp: 232013

Ion Ratio Lower Upper

43 100

58 15.9 11.4 17.2

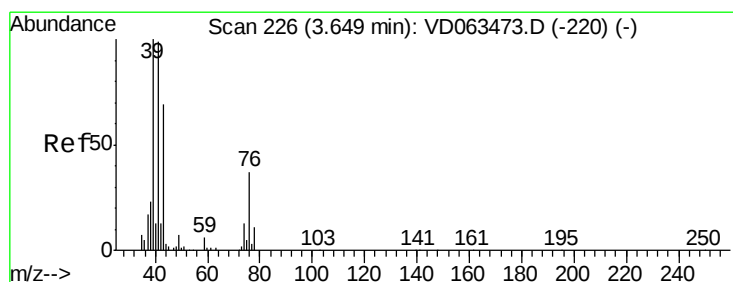
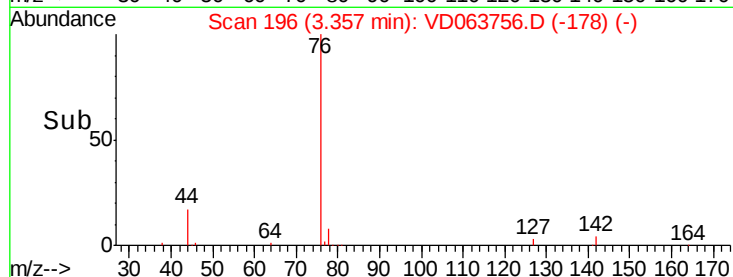
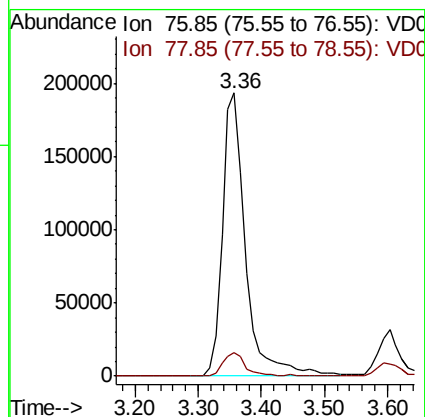
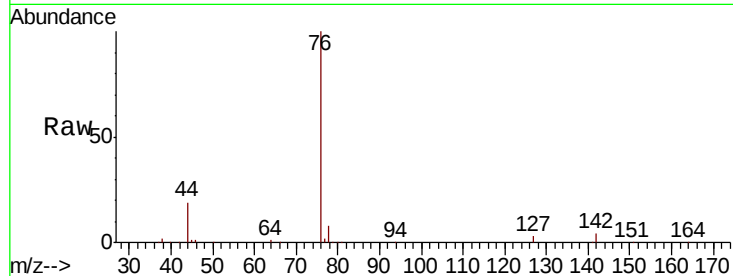




#17
Carbon Disulfide
Concen: 19.973 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

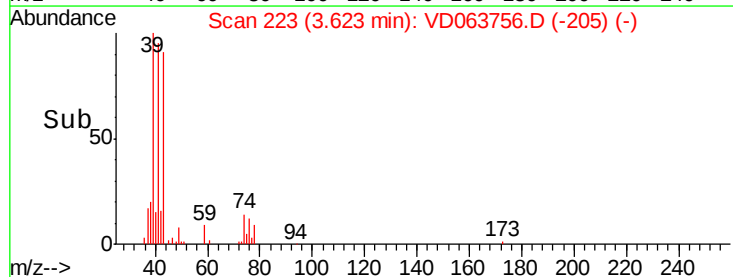
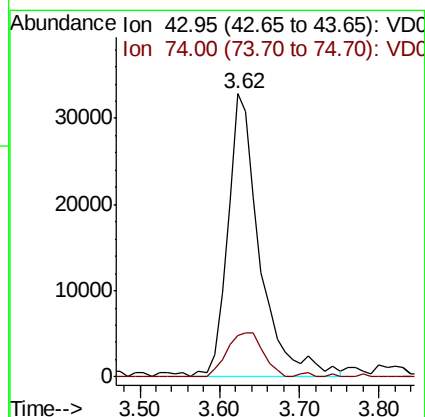
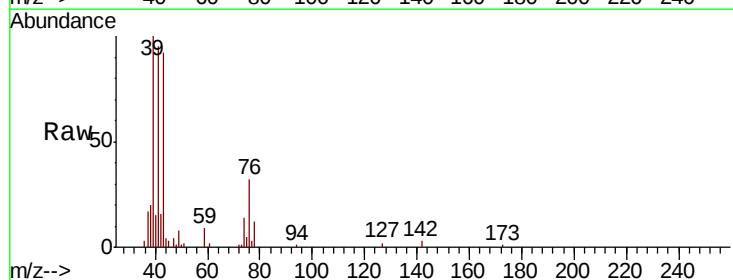
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

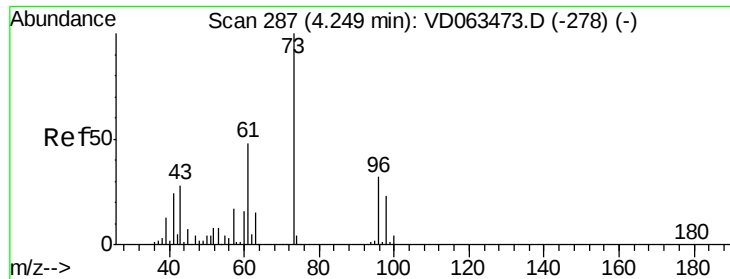
Tgt Ion: 76 Resp: 492976
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 23.120 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 43 Resp: 92098
Ion Ratio Lower Upper
43 100
74 14.7 15.4 23.2#

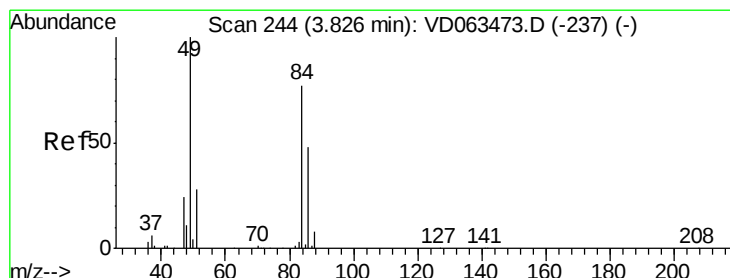
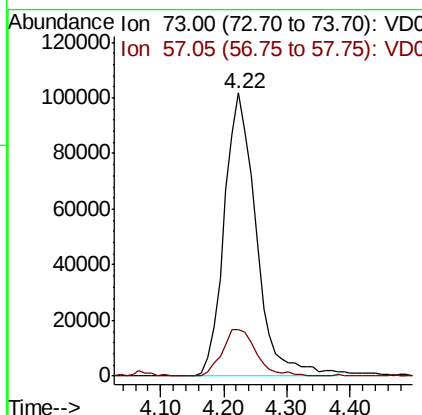
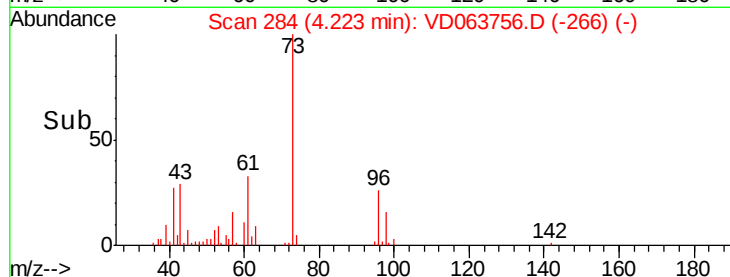
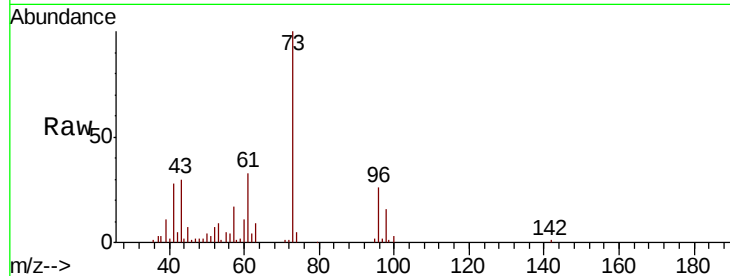




#19
Methyl tert-butyl Ether
Concen: 22.807 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

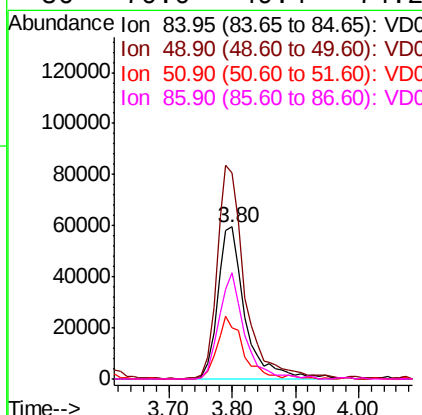
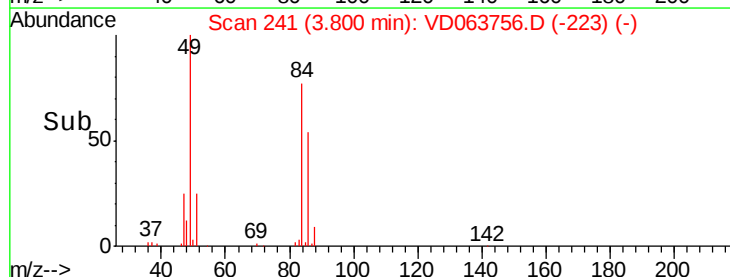
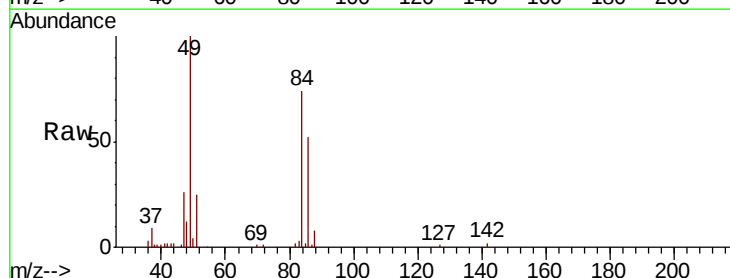
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

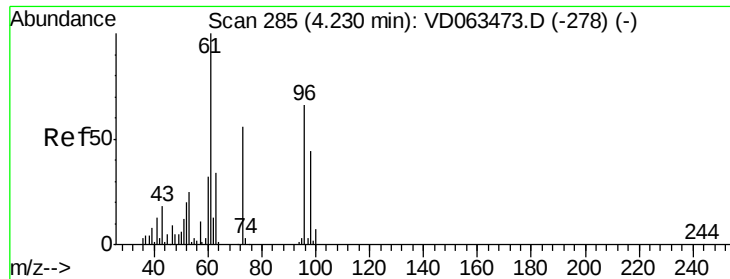
Tgt Ion: 73 Resp: 356710
Ion Ratio Lower Upper
73 100
57 16.6 14.0 21.0



#20
Methylene Chloride
Concen: 19.835 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 84 Resp: 180372
Ion Ratio Lower Upper
84 100
49 135.4 103.4 155.2
51 33.5 28.5 42.7
86 70.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.315 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

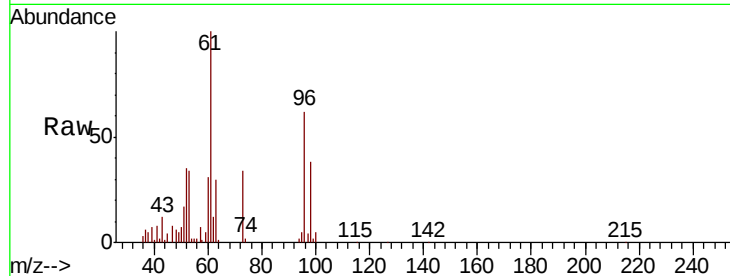
Tgt Ion: 96 Resp: 183642

Ion Ratio Lower Upper

96 100

61 162.1 121.7 182.5

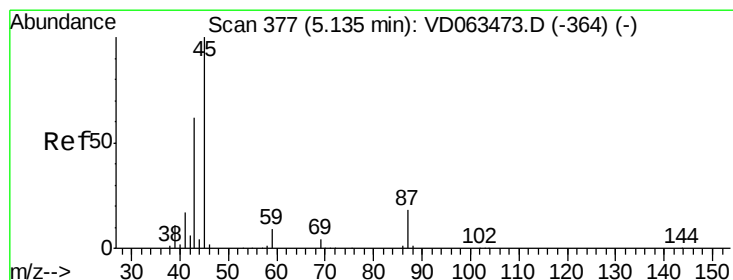
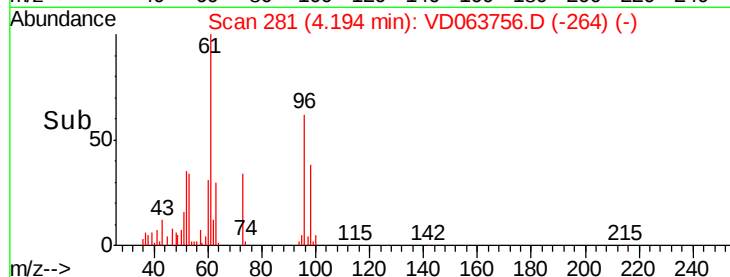
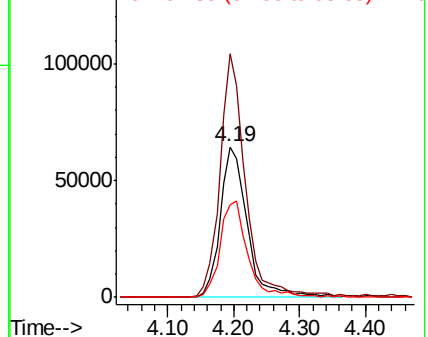
98 61.6 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.764 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Tgt Ion: 45 Resp: 552252

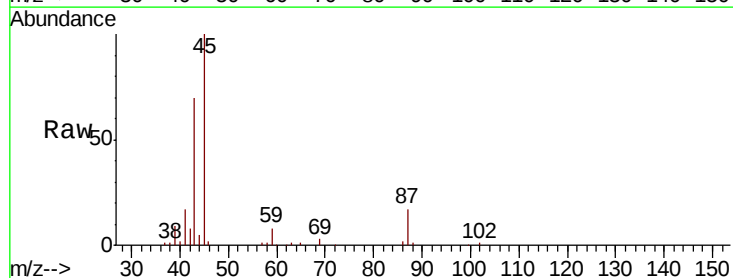
Ion Ratio Lower Upper

45 100

43 69.8 50.3 75.5

87 17.4 14.3 21.5

59 7.9 7.7 11.5

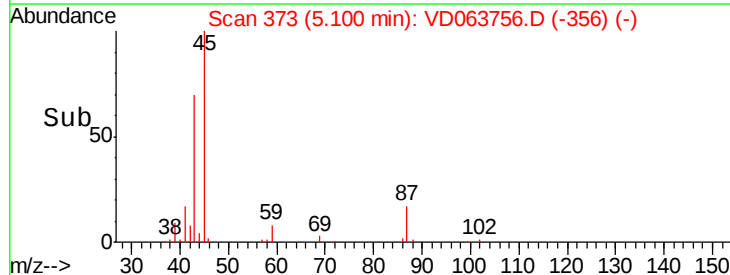
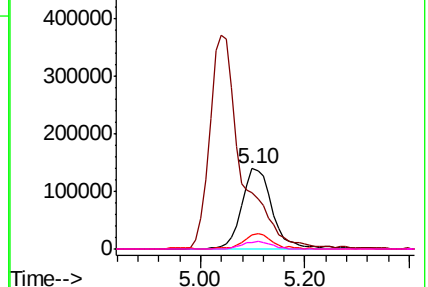


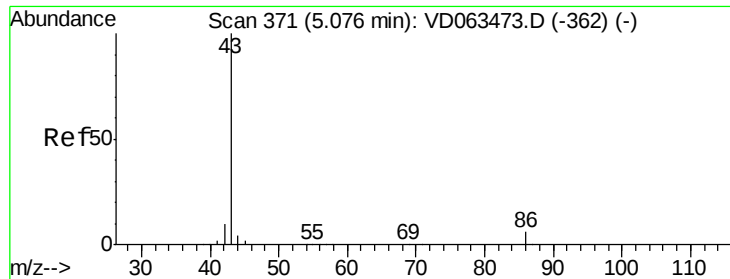
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 110.403 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

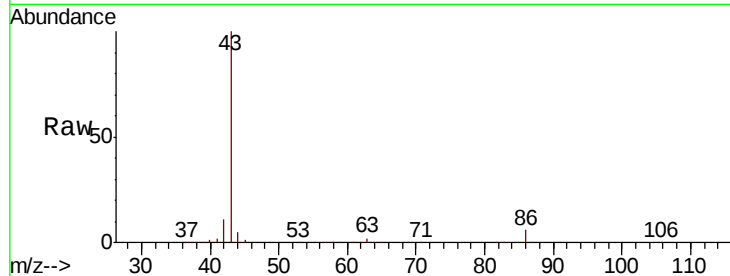
VD0823SBS01

Tgt Ion: 43 Resp: 1557079

Ion Ratio Lower Upper

43 100

86 5.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

400000

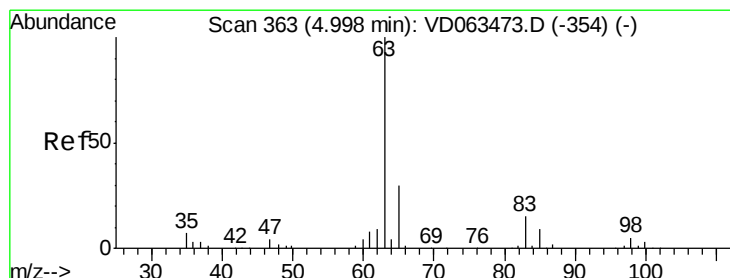
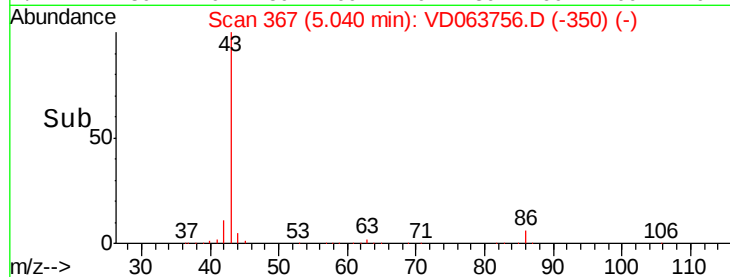
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.660 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

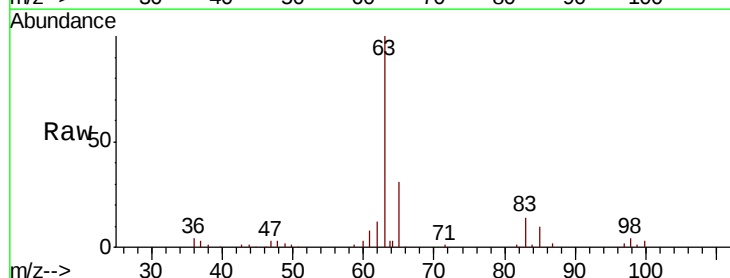
Tgt Ion: 63 Resp: 325918

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

100 3.4 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

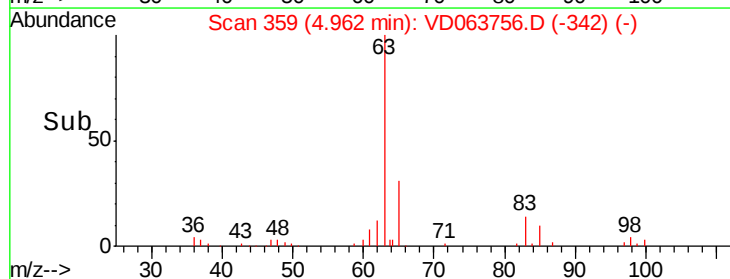
4.96

100000

50000

0

Time-->





#25

2-Butanone

Concen: 108.062 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

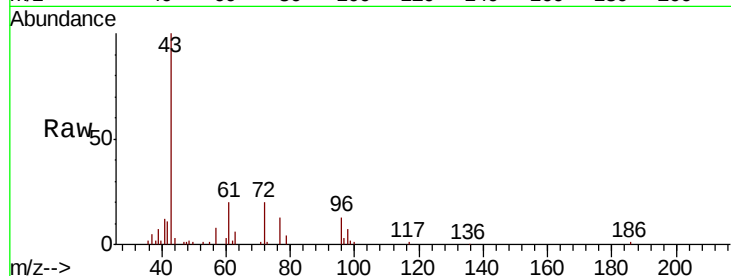
VD0823SBS01

Tgt Ion: 43 Resp: 224448

Ion Ratio Lower Upper

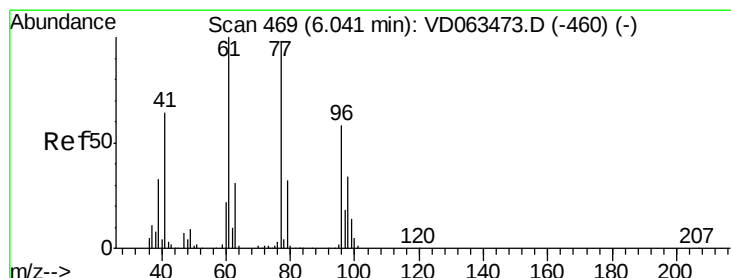
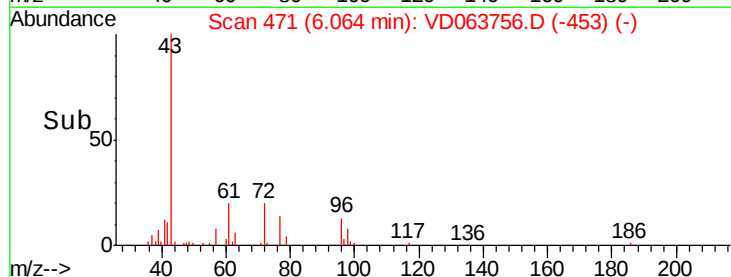
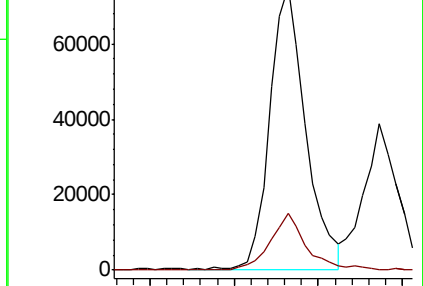
43 100

72 20.1 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.899 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063756.D

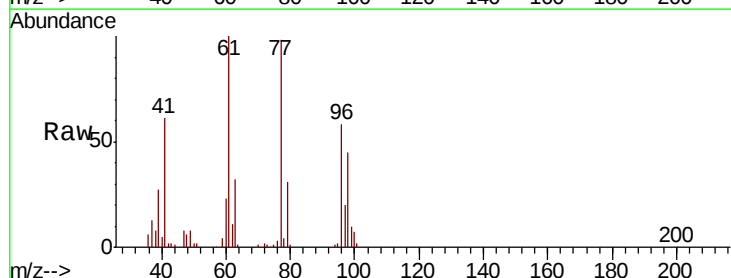
Acq: 23 Aug 2019 10:37

Tgt Ion: 77 Resp: 343190

Ion Ratio Lower Upper

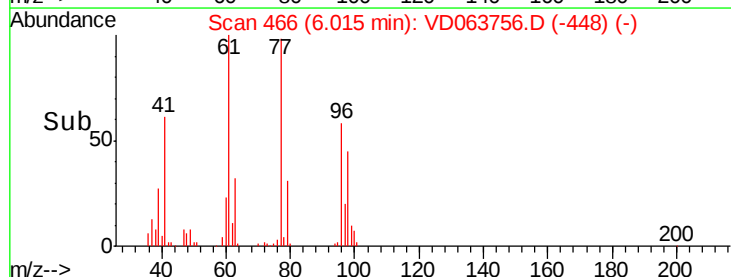
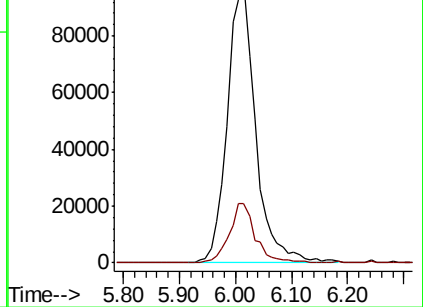
77 100

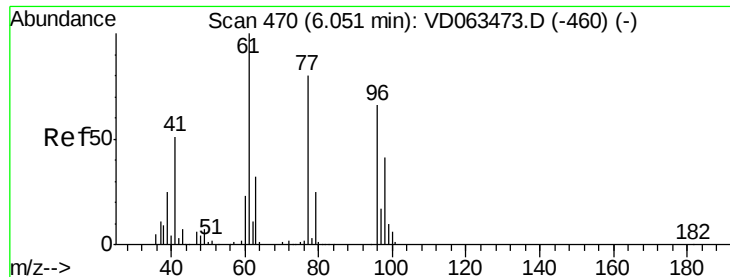
97 20.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



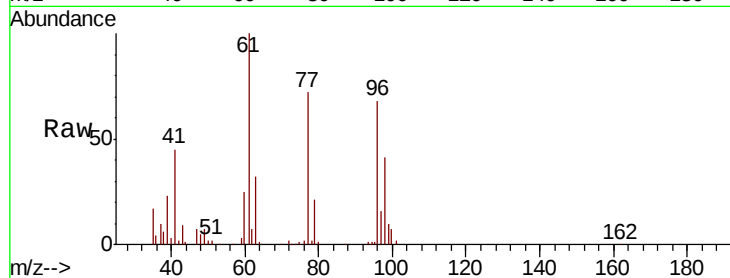


#27

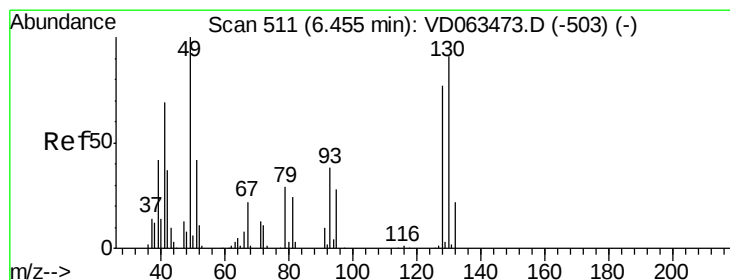
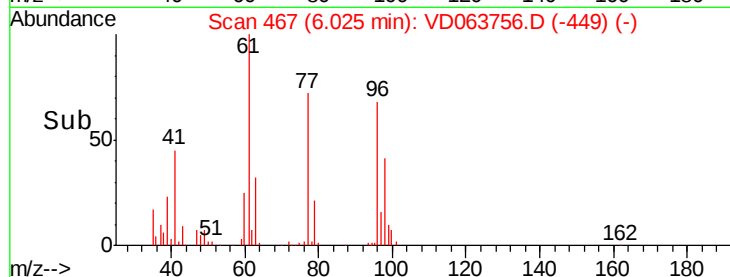
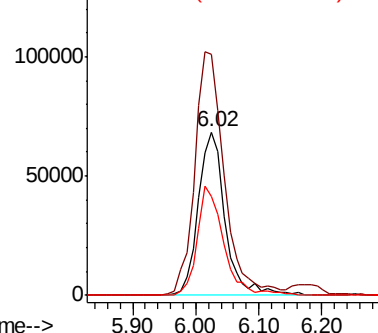
cis-1,2-Dichloroethene
Concen: 22.382 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	304.0
98	60.5	0.0	124.8



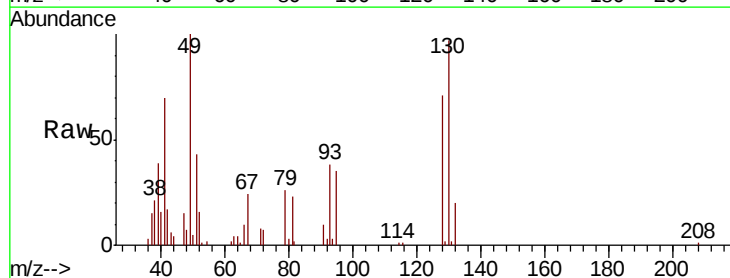
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



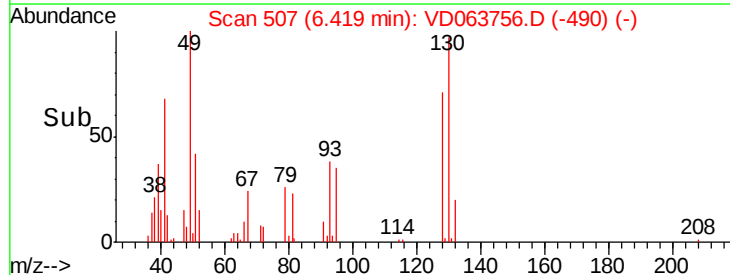
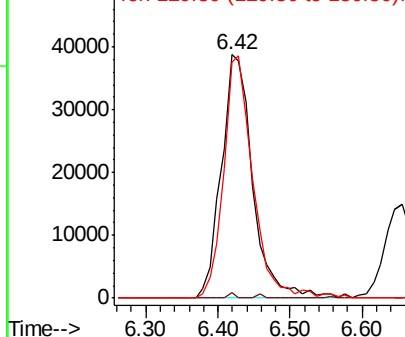
#28

Bromochloromethane
Concen: 19.192 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	6.4
130	96.7	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 107.918 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

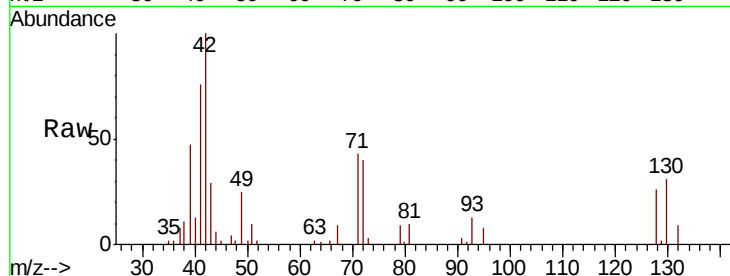
Tgt Ion: 42 Resp: 104448

Ion Ratio Lower Upper

42 100

72 42.6 31.5 47.3

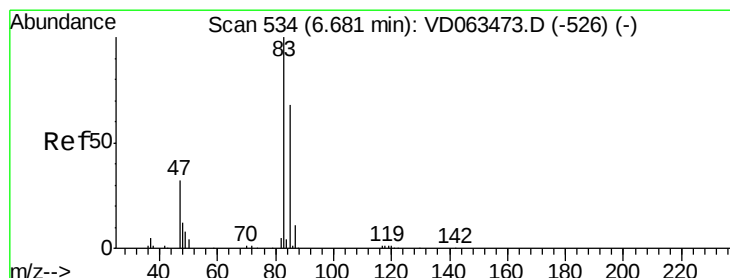
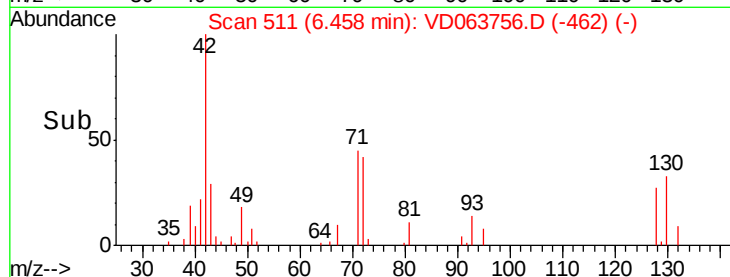
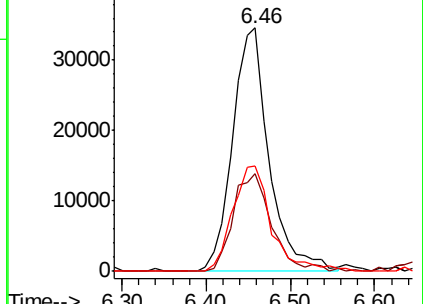
71 46.0 33.8 50.8



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



#30

Chloroform

Concen: 22.678 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063756.D

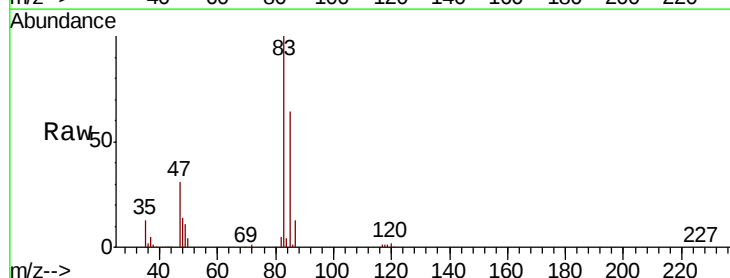
Acq: 23 Aug 2019 10:37

Tgt Ion: 83 Resp: 424136

Ion Ratio Lower Upper

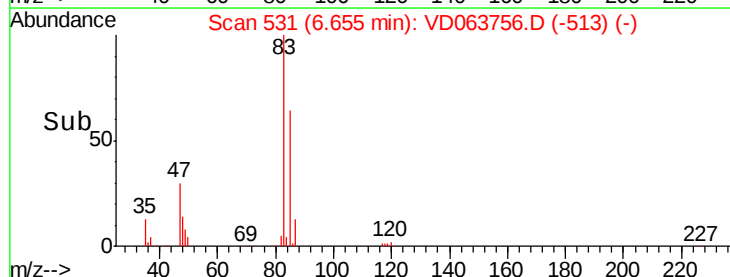
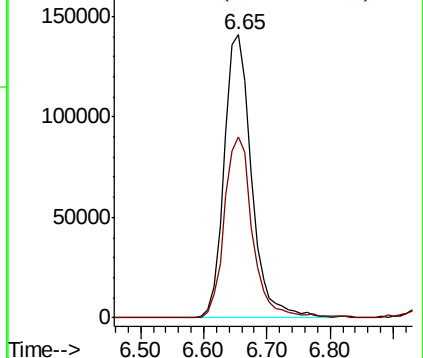
83 100

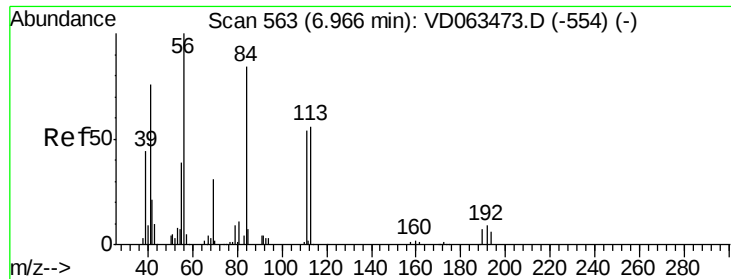
85 63.8 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

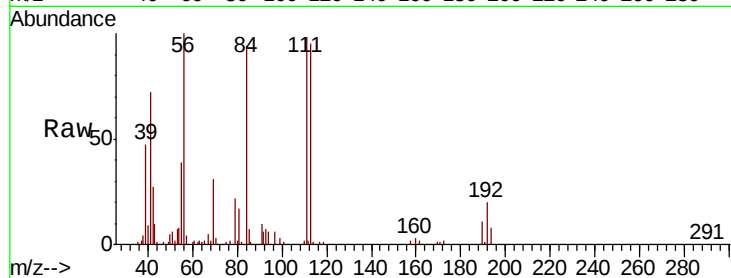




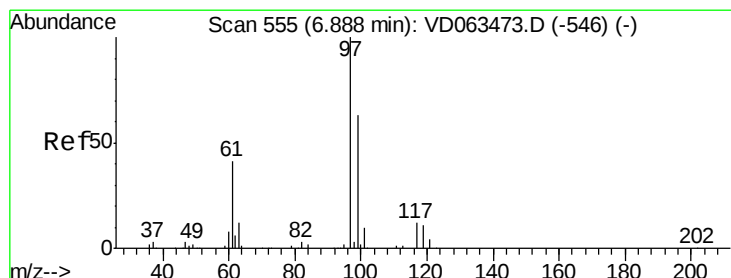
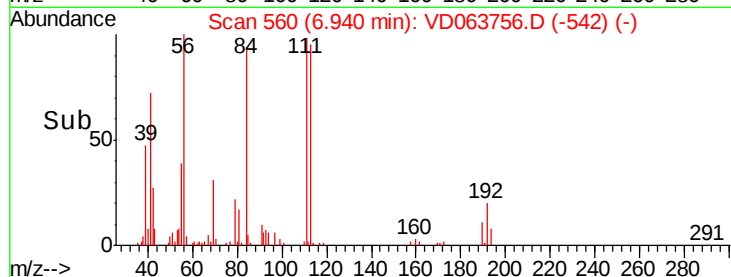
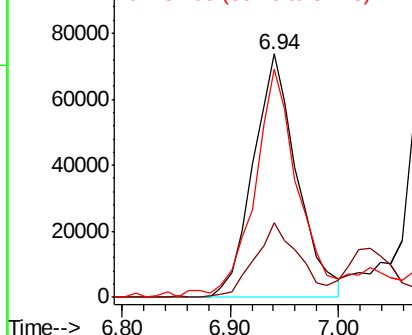
#31
Cyclohexane
Concen: 22.320 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion: 56 Resp: 208493
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.6
84 93.7 69.7 104.5

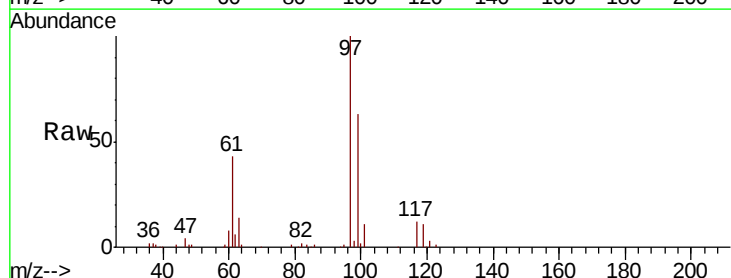


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

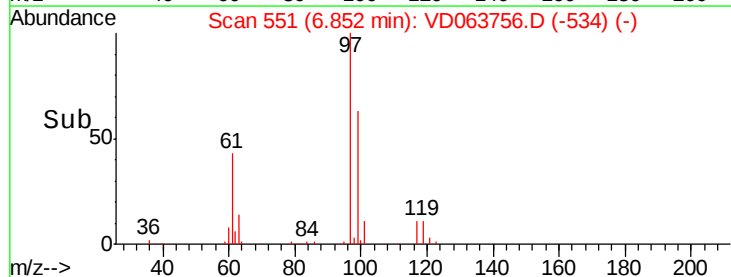
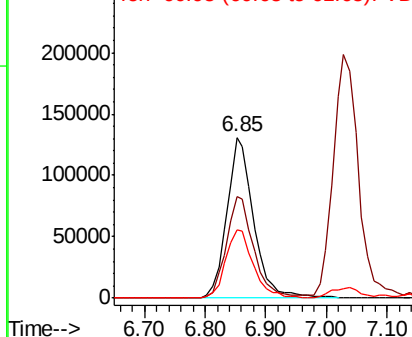


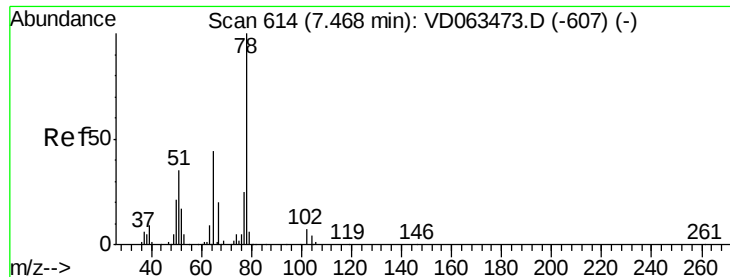
#32
1,1,1-Trichloroethane
Concen: 22.473 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.04 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 97 Resp: 402069
Ion Ratio Lower Upper
97 100
99 63.4 50.2 75.4
61 42.6 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

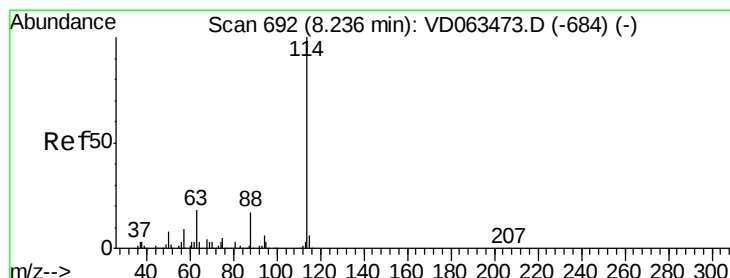
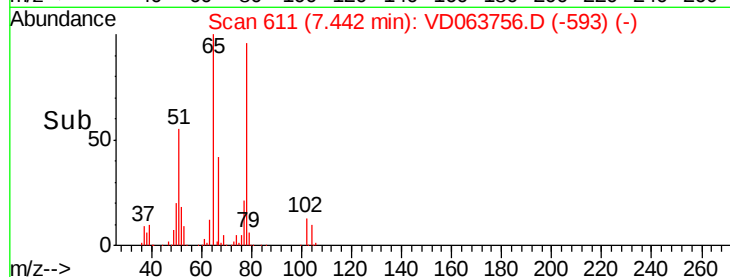
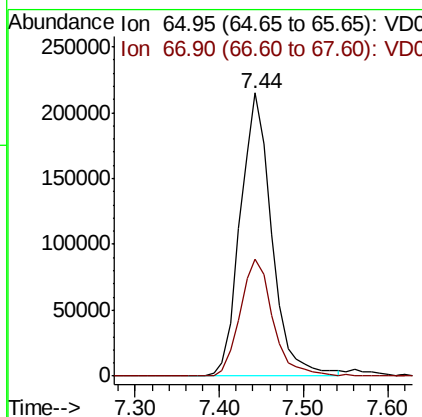
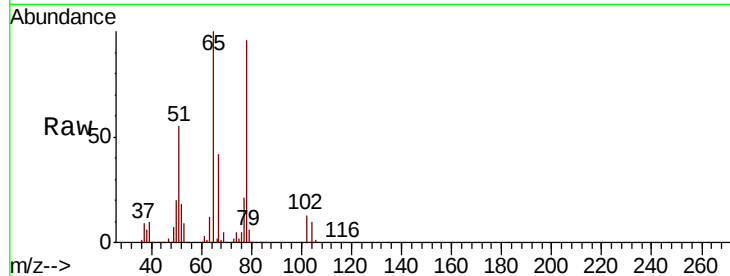




#33
 1,2-Dichloroethane-d4
 Concen: 54.150 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

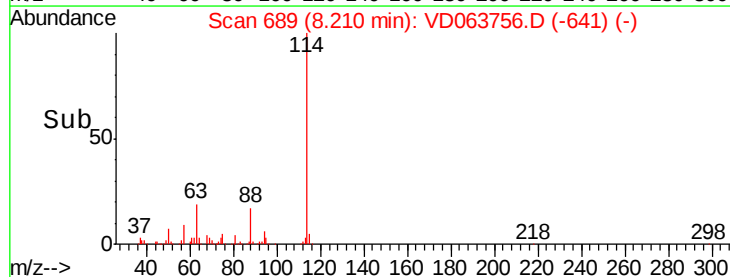
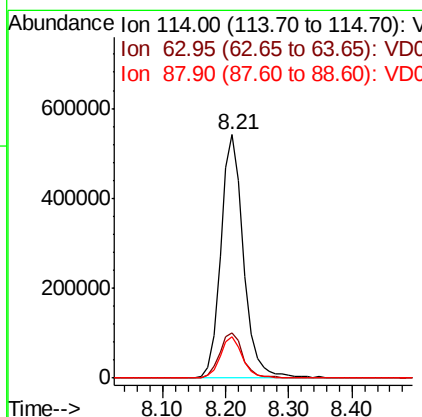
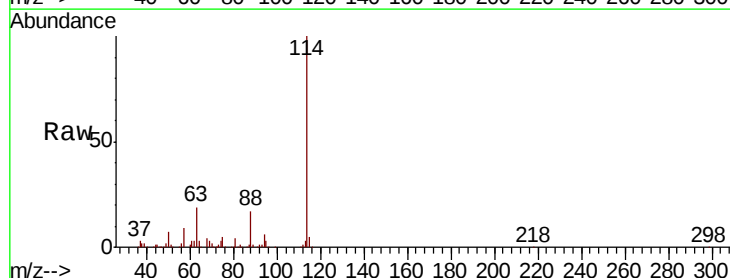
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

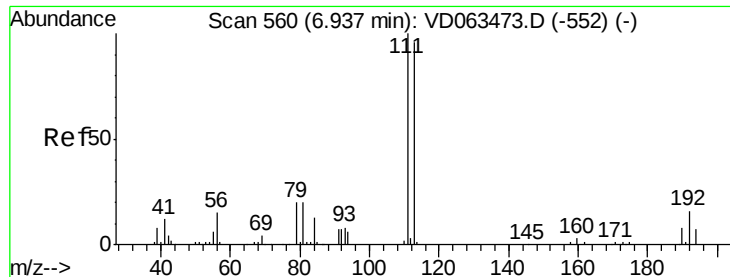
Tgt Ion: 65 Resp: 560205
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 114 Resp: 1355305
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 17.0 0.0 35.0

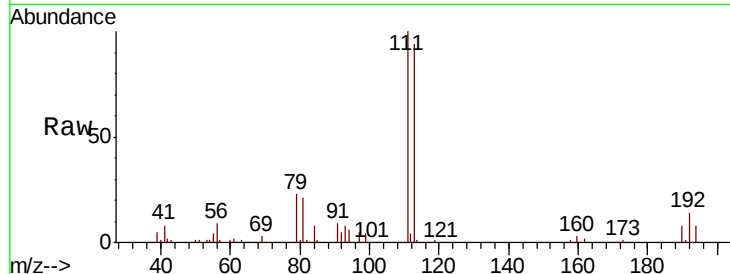




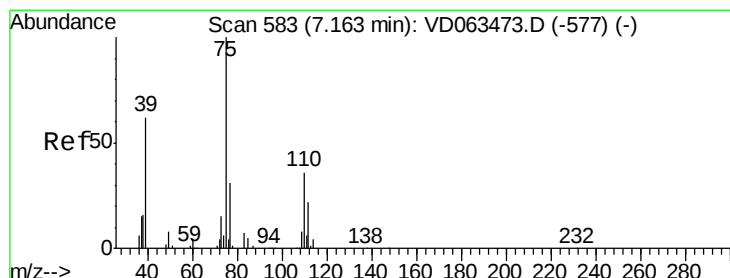
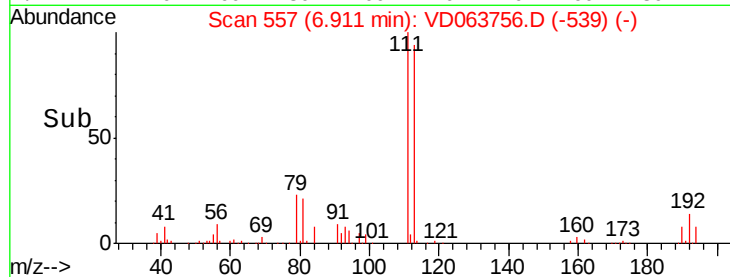
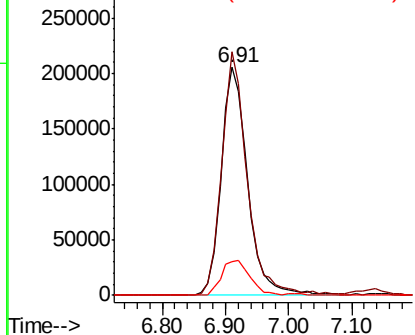
#35
 Dibromofluoromethane
 Concen: 52.493 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	599176		
111	106.9		83.1	124.7
192	14.9		13.1	19.7

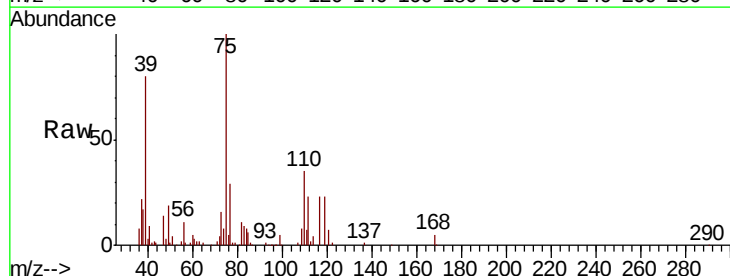


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

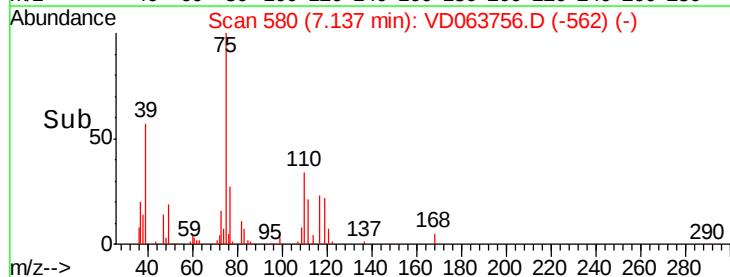
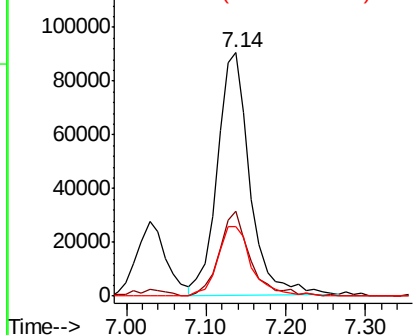


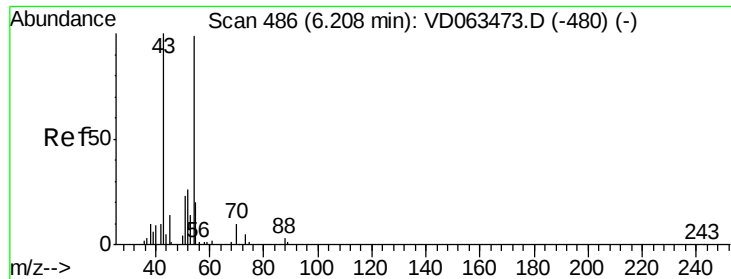
#36
 1,1-Dichloropropene
 Concen: 21.430 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.03 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	256755		
110	34.8		17.6	52.8
77	28.5		24.3	36.5



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

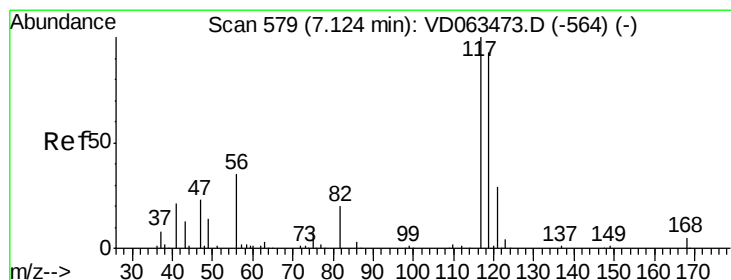
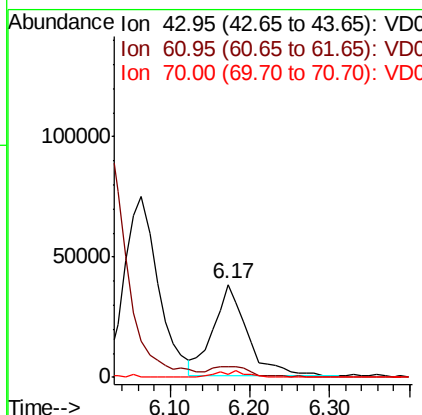
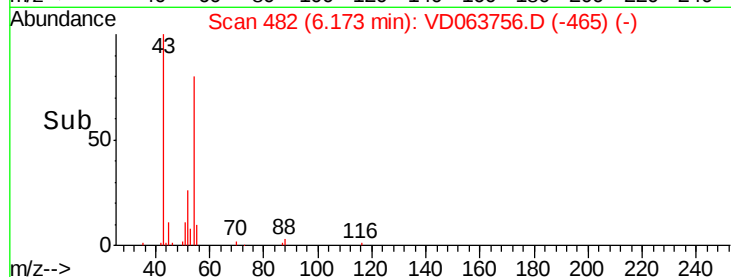
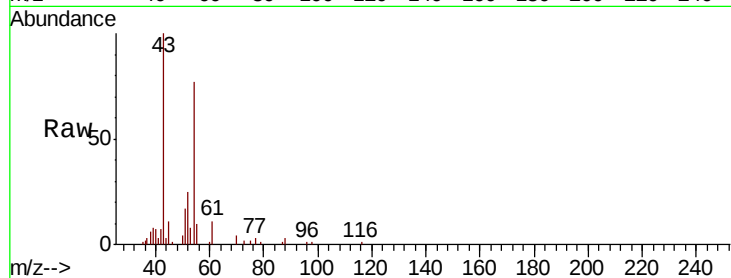




#37
Ethyl Acetate
Concen: 22.689 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

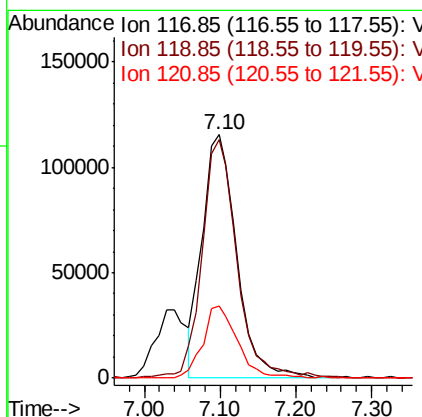
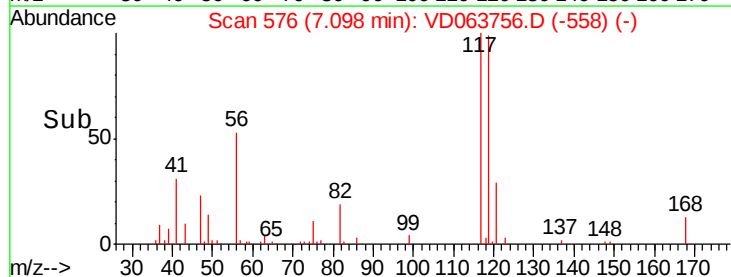
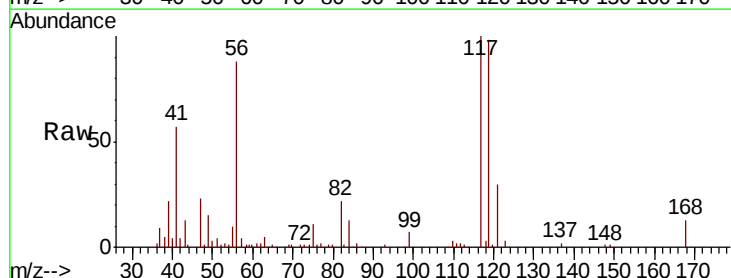
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion: 43 Resp: 113908
Ion Ratio Lower Upper
43 100
61 11.2 9.0 13.6
70 3.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 20.094 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 117 Resp: 362848
Ion Ratio Lower Upper
117 100
119 98.0 74.2 111.2
121 29.7 23.1 34.7

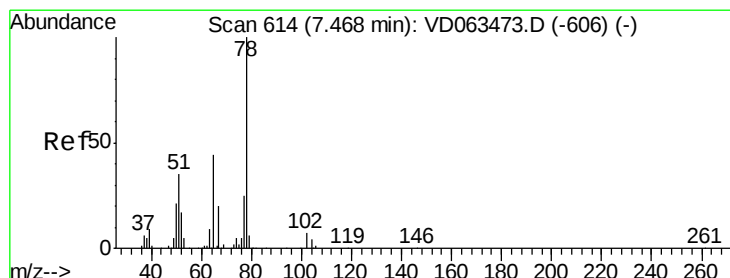
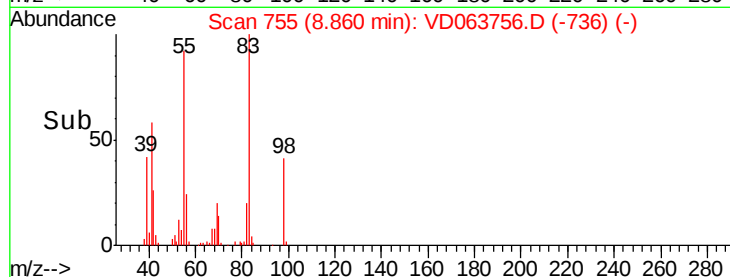
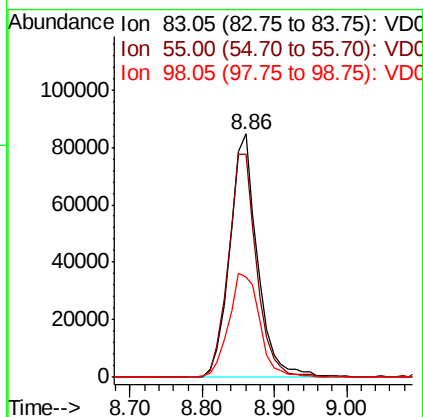
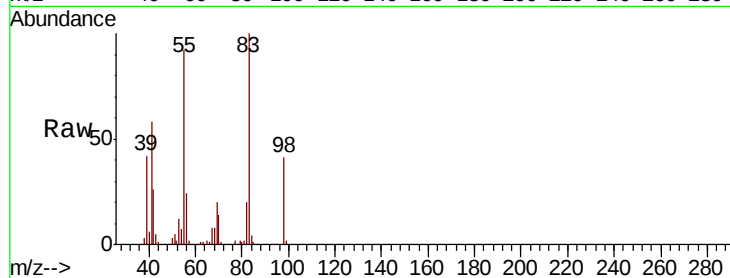




#39
Methylcyclohexane
Concen: 22.211 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

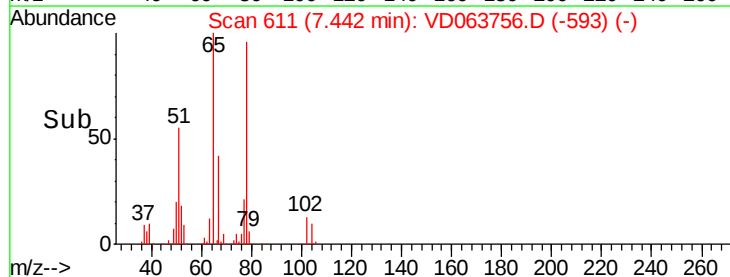
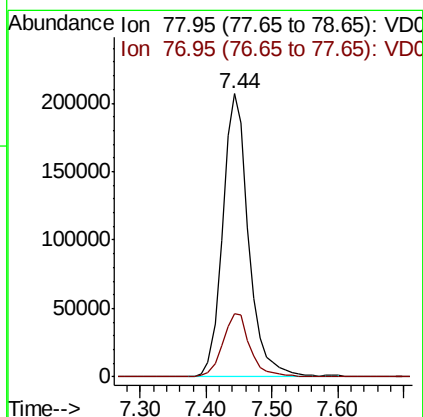
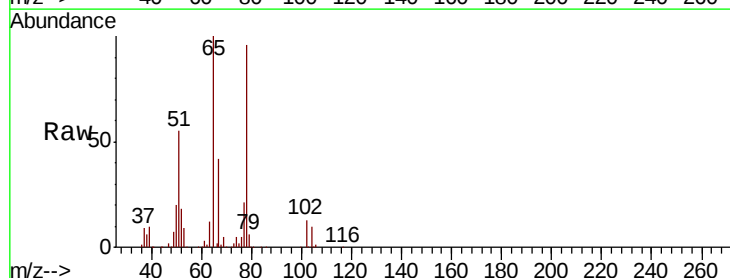
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

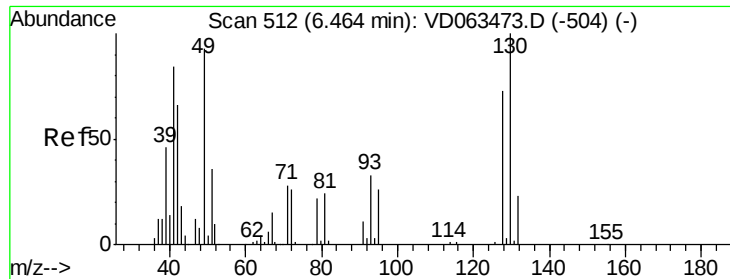
Tgt Ion: 83 Resp: 226287
Ion Ratio Lower Upper
83 100
55 91.6 76.6 114.8
98 41.3 39.4 59.0



#40
Benzene
Concen: 21.615 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 78 Resp: 569908
Ion Ratio Lower Upper
78 100
77 22.3 20.1 30.1





#41

Methacrylonitrile

Concen: 23.001 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tgt Ion: 41 Resp: 145399

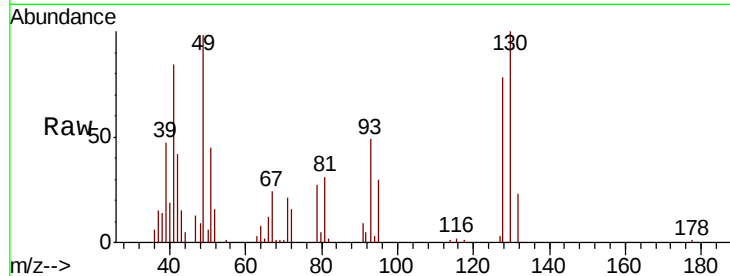
Ion Ratio Lower Upper

41 100

39 55.9 44.6 66.8

67 28.3 14.4 21.6#

52 18.9 9.3 13.9#

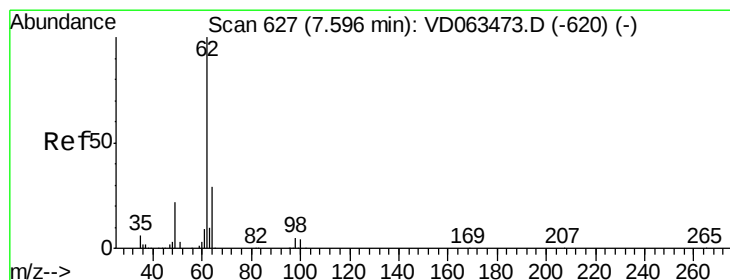
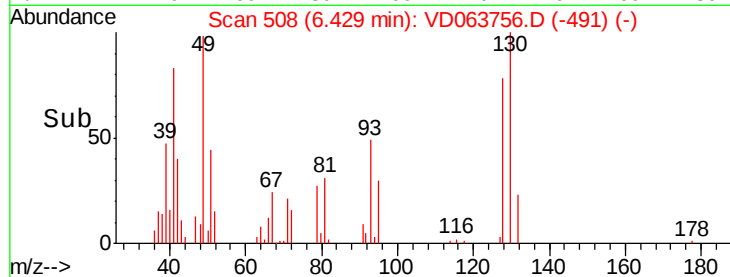
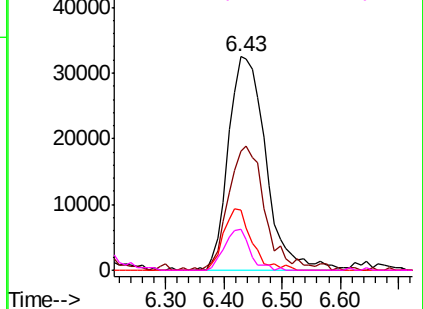


Abundance Ion 40.95 (40.65 to 41.65): VDC

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



#42

1,2-Dichloroethane

Concen: 21.464 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063756.D

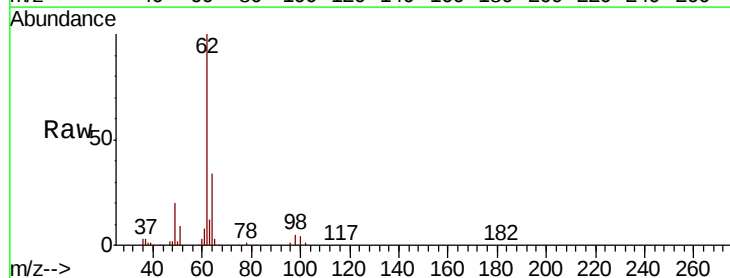
Acq: 23 Aug 2019 10:37

Tgt Ion: 62 Resp: 284558

Ion Ratio Lower Upper

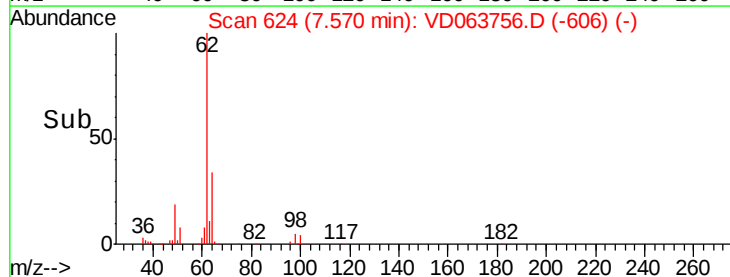
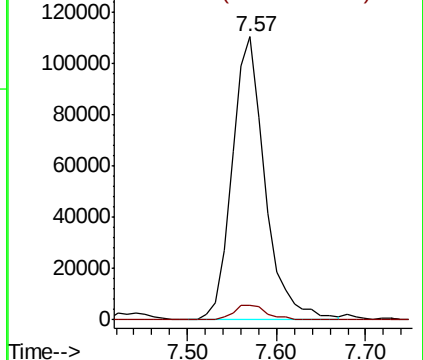
62 100

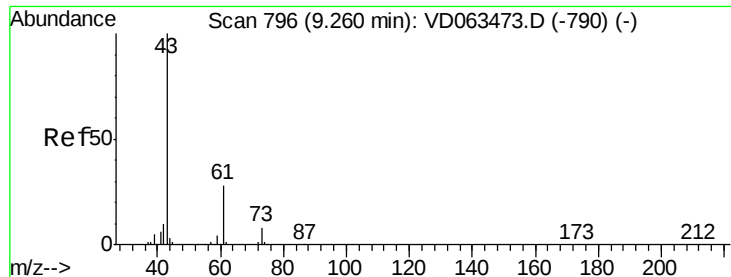
98 5.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.416 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

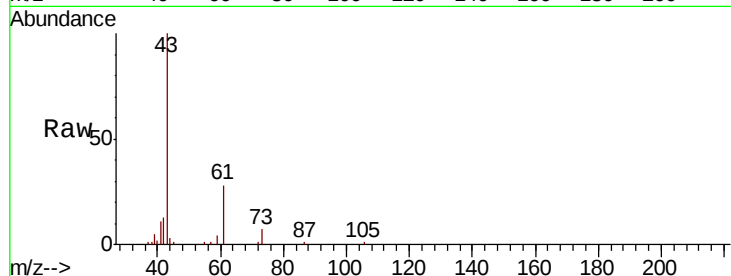
Tgt Ion: 43 Resp: 150728

Ion Ratio Lower Upper

43 100

61 28.3 22.2 33.2

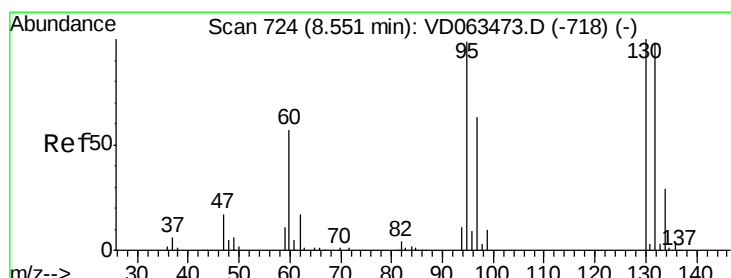
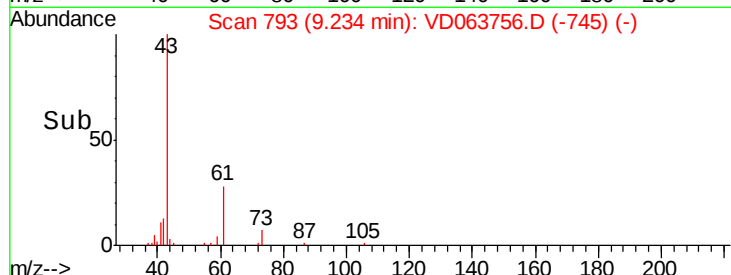
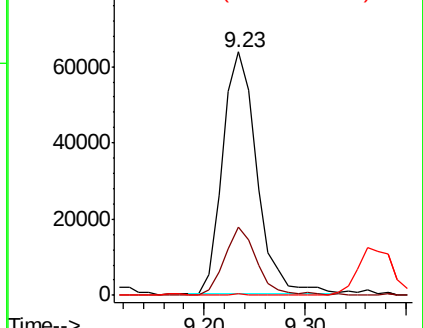
87 0.6 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.097 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063756.D

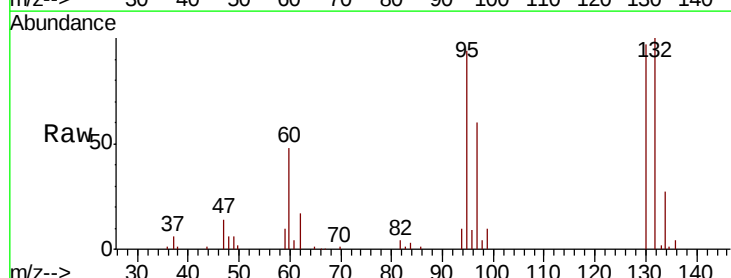
Acq: 23 Aug 2019 10:37

Tgt Ion: 130 Resp: 222692

Ion Ratio Lower Upper

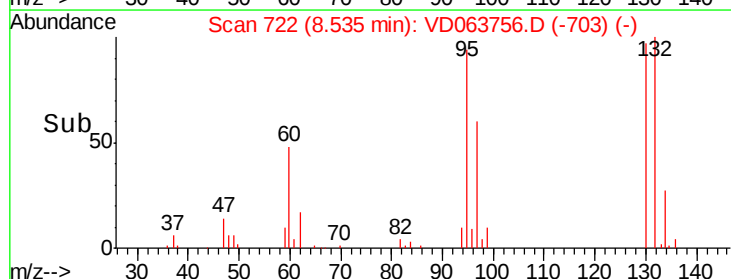
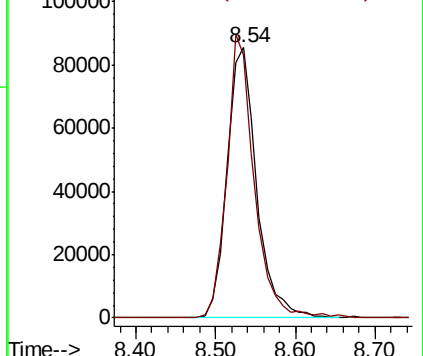
130 100

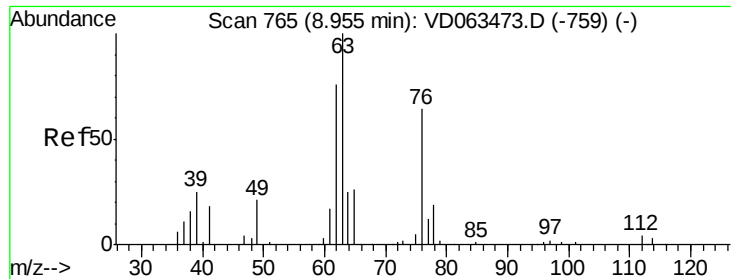
95 97.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.291 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

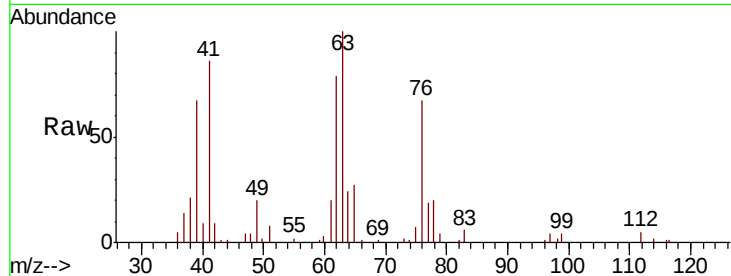
VD0823SBS01

Tgt Ion: 63 Resp: 130727

Ion Ratio Lower Upper

63 100

65 26.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

50000

40000

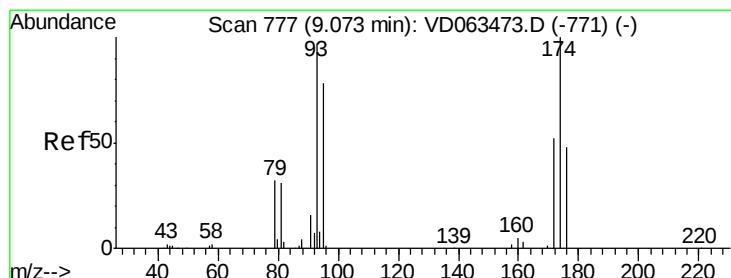
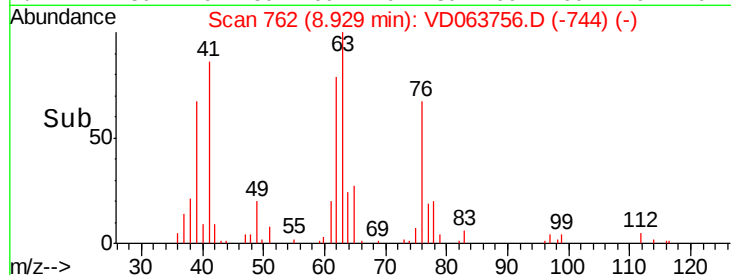
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 22.139 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

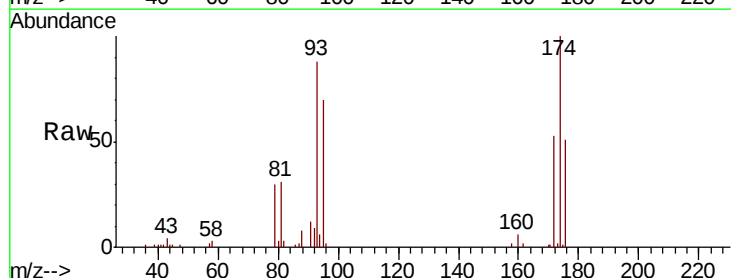
Tgt Ion: 93 Resp: 116086

Ion Ratio Lower Upper

93 100

95 79.7 64.2 96.2

174 113.7 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

80000

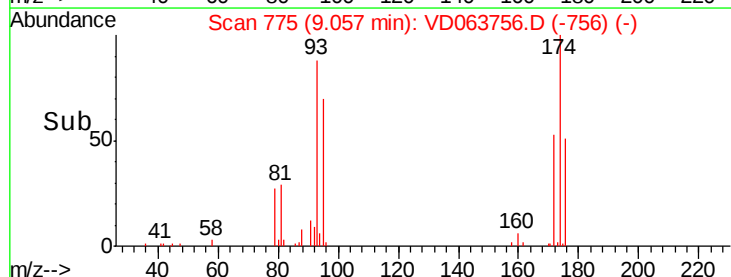
60000

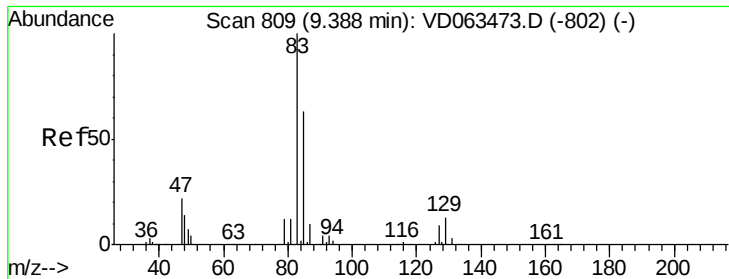
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 22.686 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

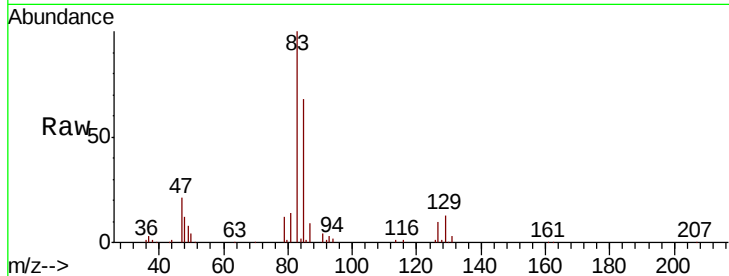
Tgt Ion: 83 Resp: 305135

Ion Ratio Lower Upper

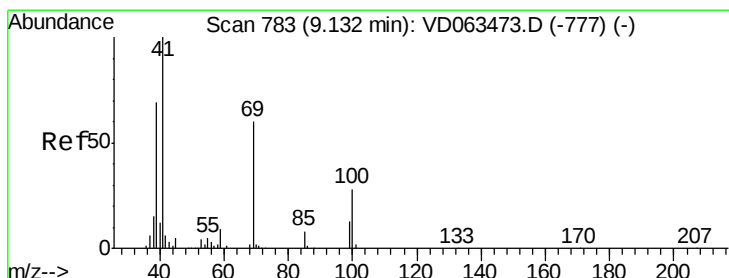
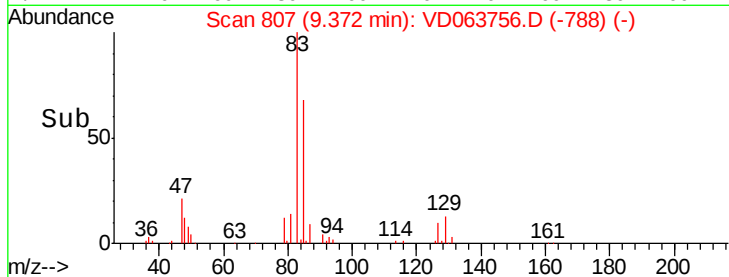
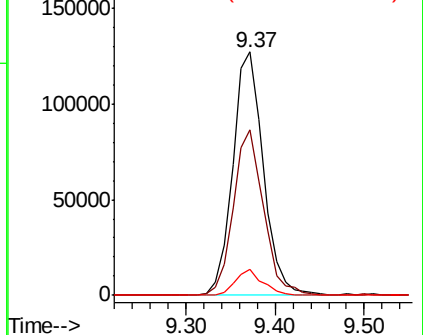
83 100

85 67.9 50.1 75.1

127 10.4 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.000 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

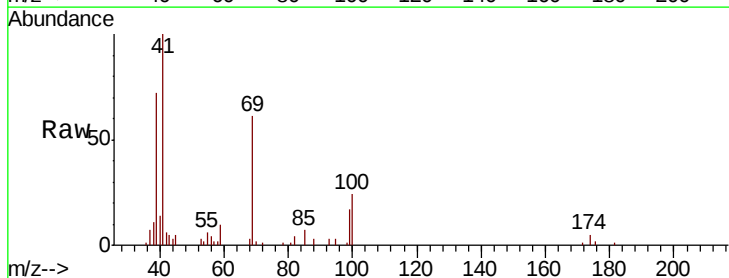
Tgt Ion: 41 Resp: 100321

Ion Ratio Lower Upper

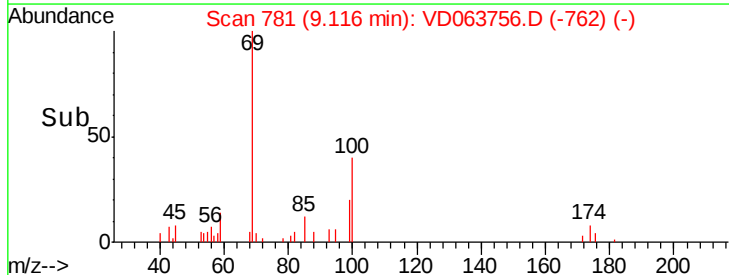
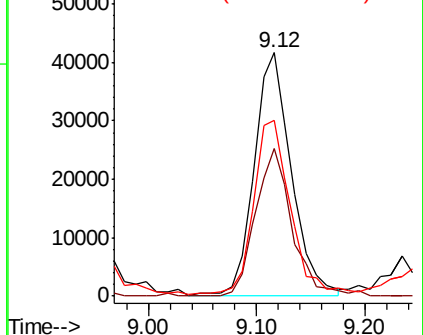
41 100

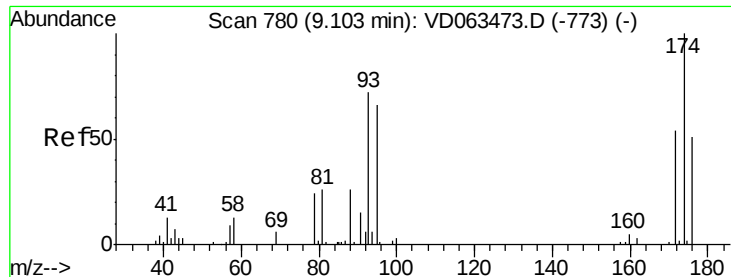
69 60.8 47.6 71.4

39 72.4 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

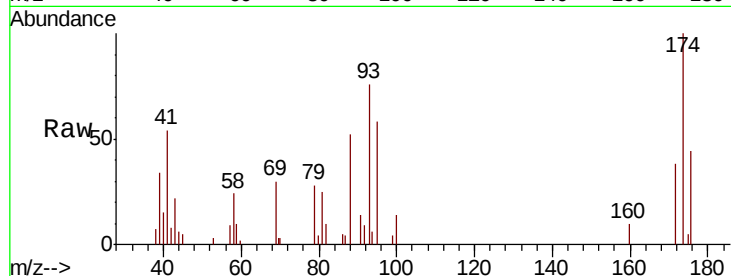




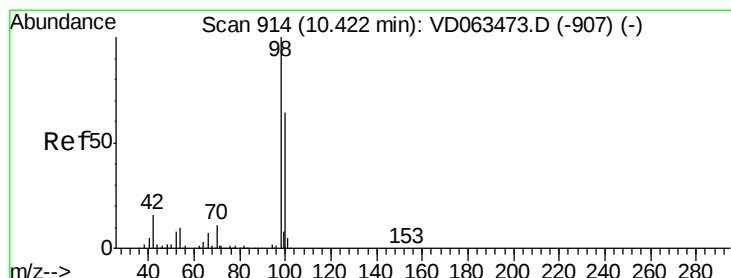
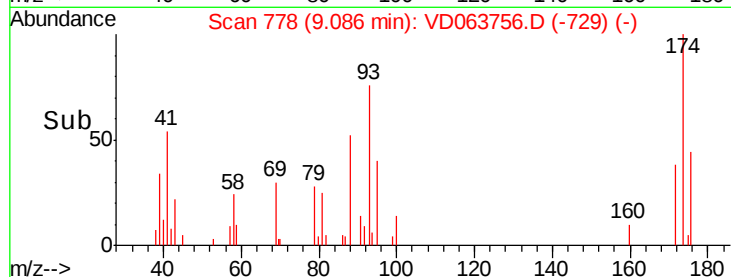
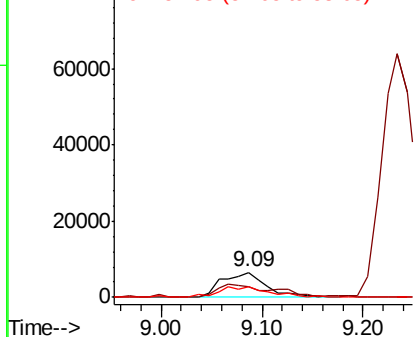
#49
1,4-Dioxane
Concen: 501.030 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion: 88 Resp: 19887
Ion Ratio Lower Upper
88 100
43 41.8 22.9 34.3#
58 45.1 40.1 60.1

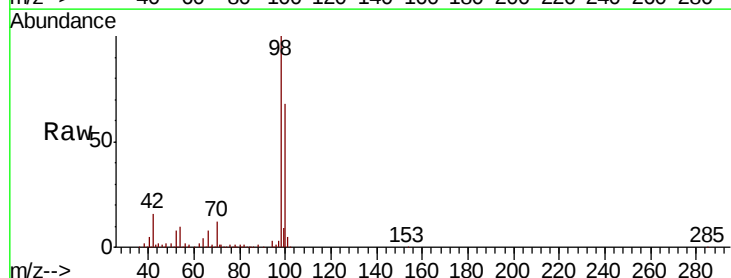


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

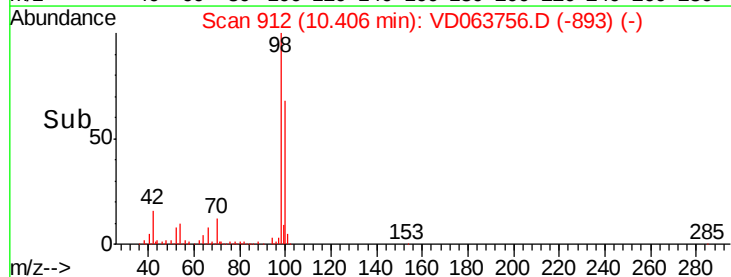
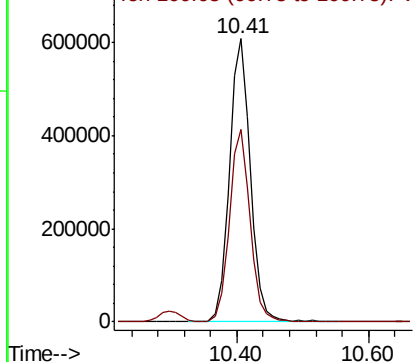


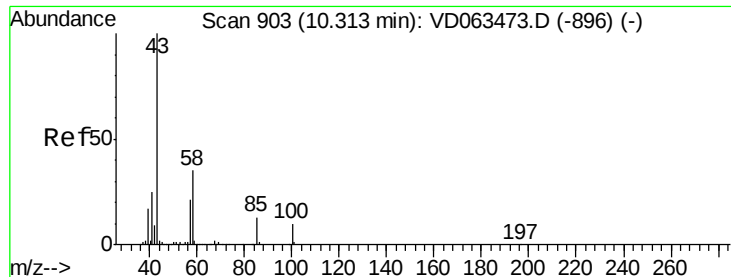
#50
Toluene-d8
Concen: 53.980 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 98 Resp: 1354652
Ion Ratio Lower Upper
98 100
100 67.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

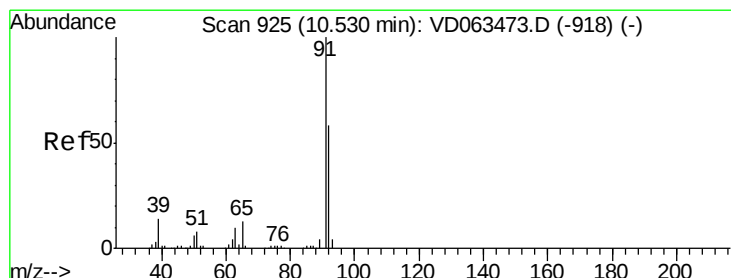
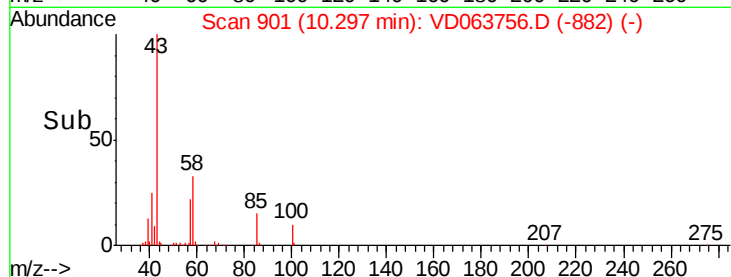
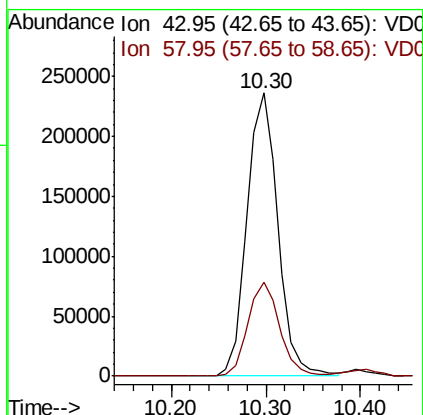
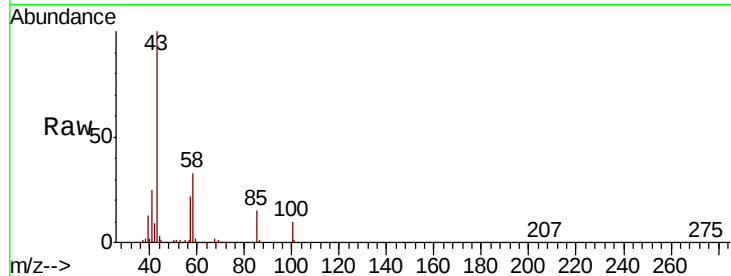




#51
 4-Methyl-2-Pentanone
 Concen: 116.337 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

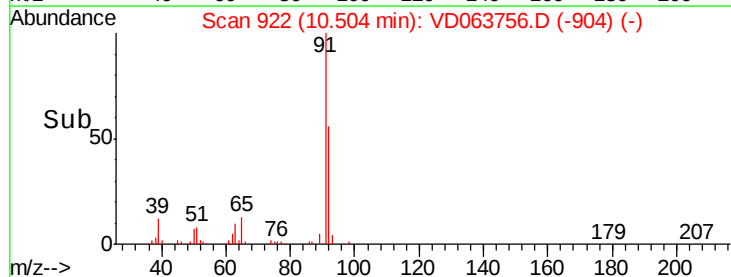
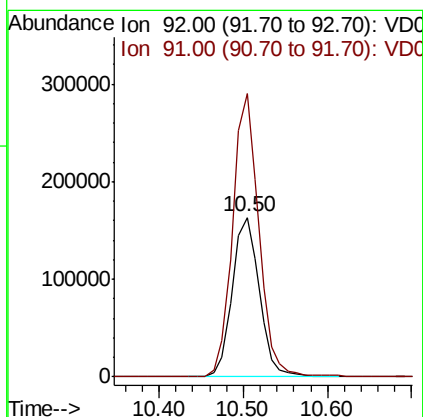
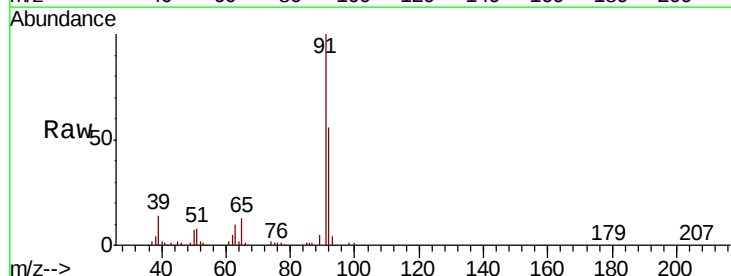
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

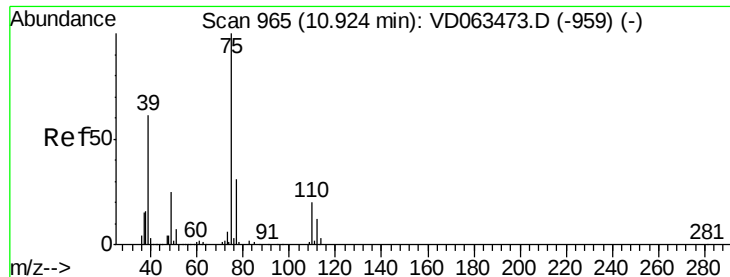
Tgt Ion: 43 Resp: 535278
 Ion Ratio Lower Upper
 43 100
 58 33.1 28.0 42.0



#52
 Toluene
 Concen: 21.565 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 92 Resp: 366229
 Ion Ratio Lower Upper
 92 100
 91 177.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 23.107 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

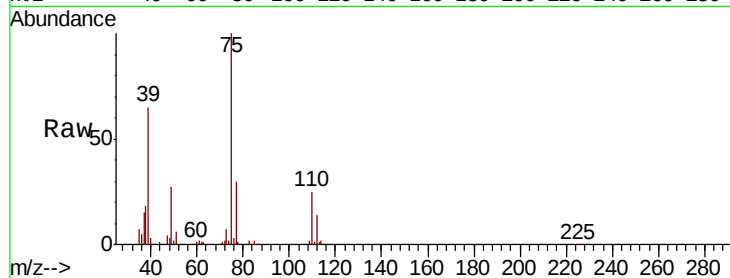
VD0823SBS01

Tgt Ion: 75 Resp: 253635

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

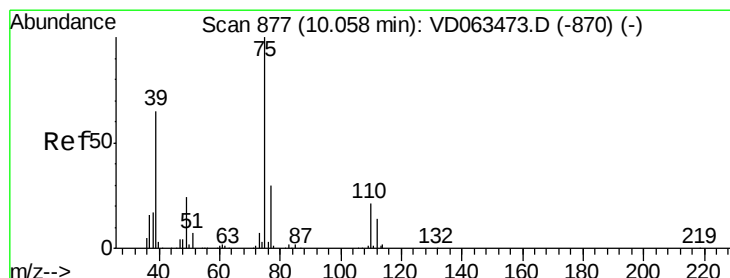
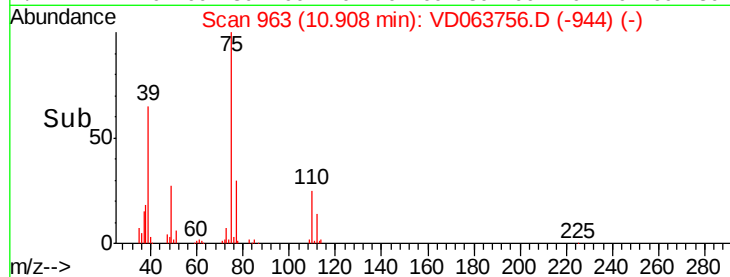
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 21.262 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

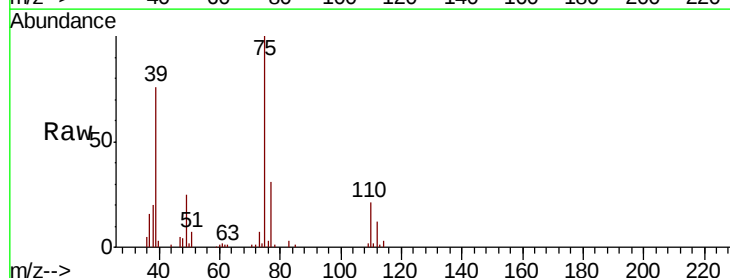
Tgt Ion: 75 Resp: 263163

Ion Ratio Lower Upper

75 100

77 30.9 23.7 35.5

39 75.9 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

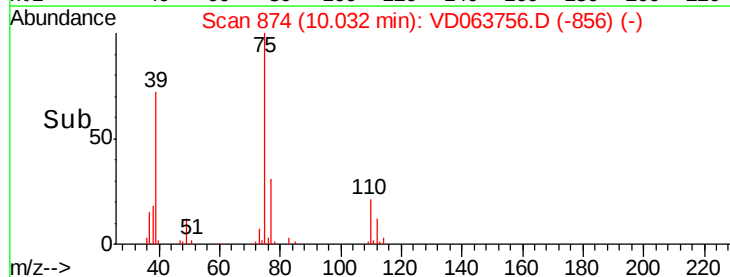
150000

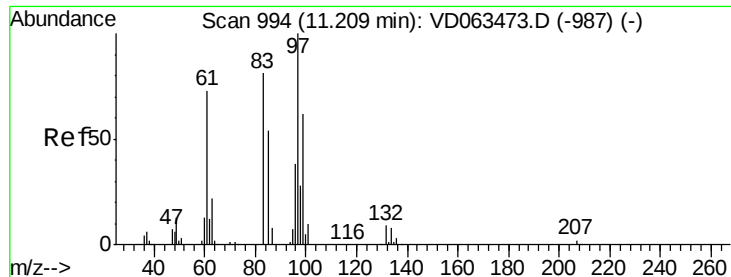
100000

50000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 22.268 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tgt Ion: 97 Resp: 127745

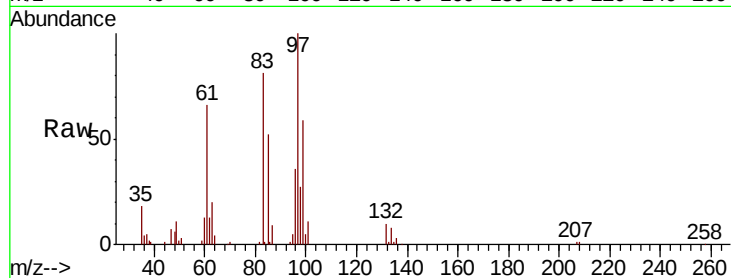
Ion Ratio Lower Upper

97 100

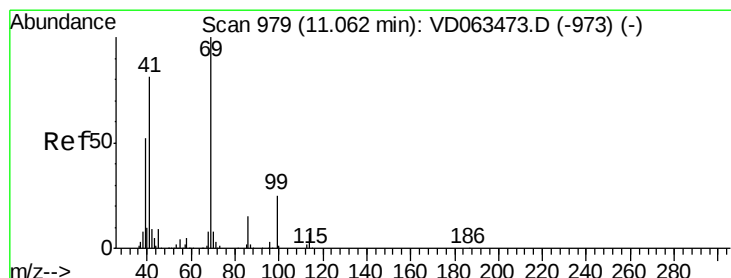
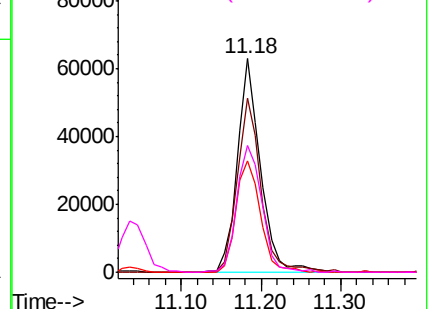
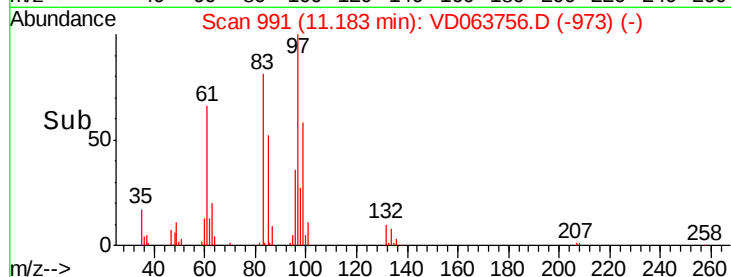
83 81.2 64.7 97.1

85 52.2 42.9 64.3

99 59.0 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: 22.341 ug/l

RT: 11.04 min Scan# 976

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

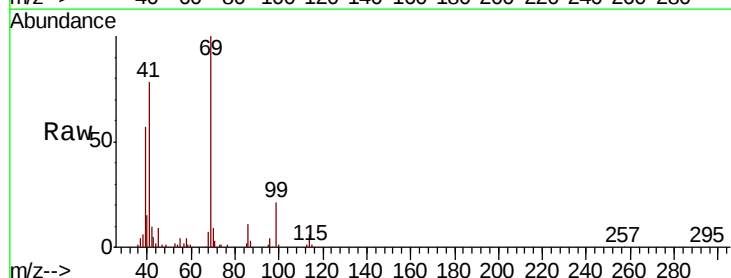
Tgt Ion: 69 Resp: 139108

Ion Ratio Lower Upper

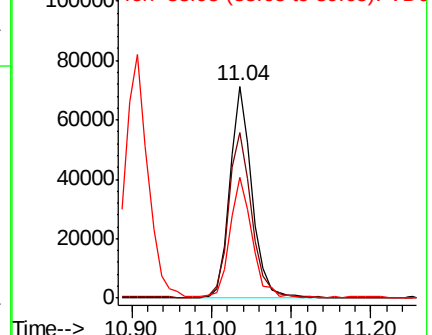
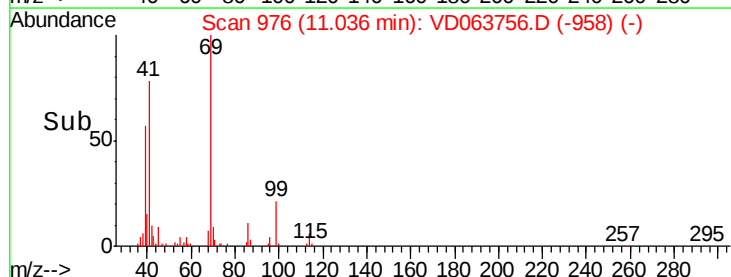
69 100

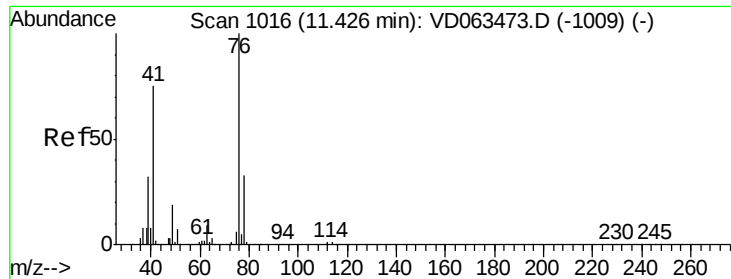
41 78.3 64.8 97.2

39 56.9 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





#57

1,3-Dichloropropane

Concen: 23.185 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

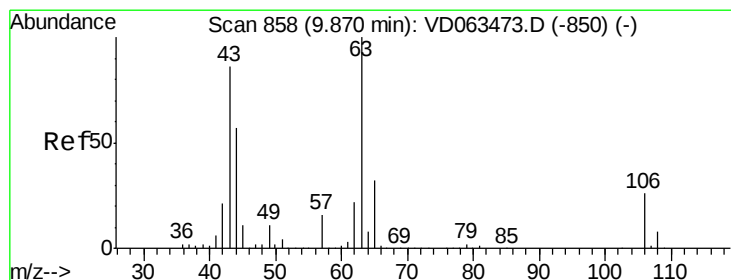
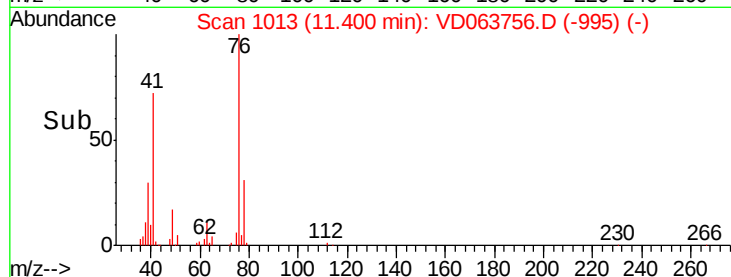
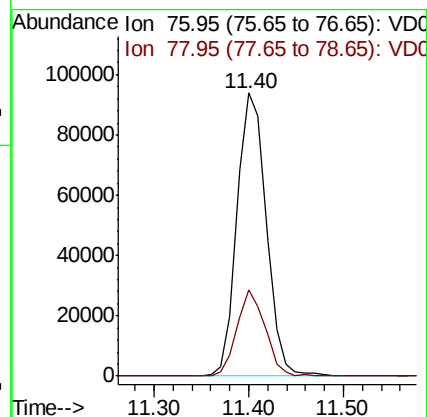
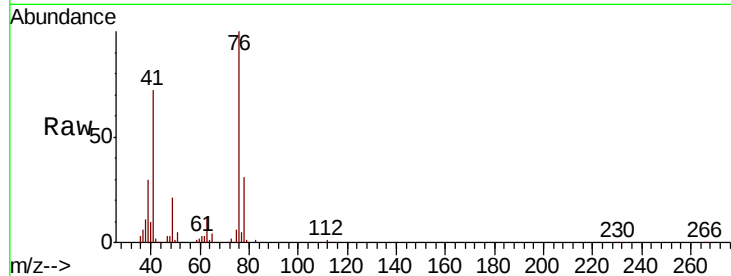
VD0823SBS01

Tgt Ion: 76 Resp: 201042

Ion Ratio Lower Upper

76 100

78 30.7 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 108.265 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063756.D

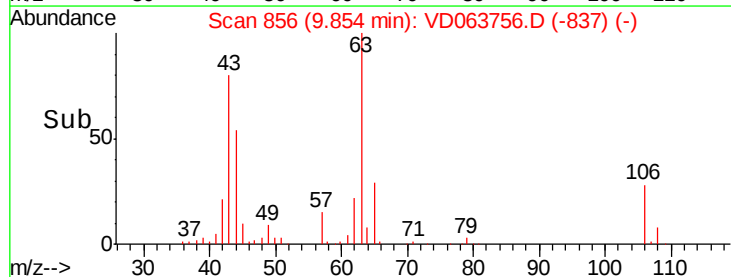
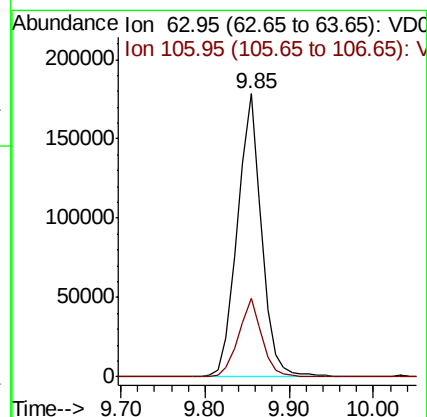
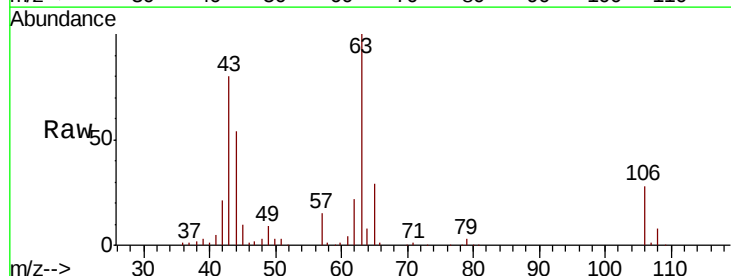
Acq: 23 Aug 2019 10:37

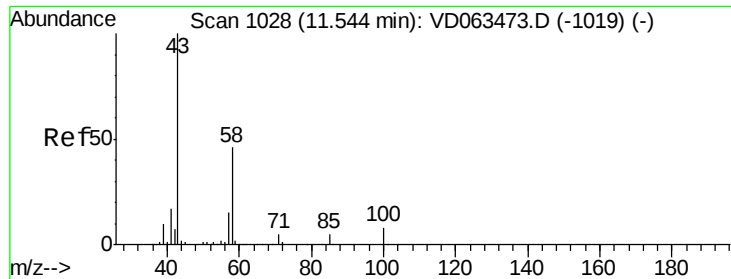
Tgt Ion: 63 Resp: 355886

Ion Ratio Lower Upper

63 100

106 28.0 20.8 31.2

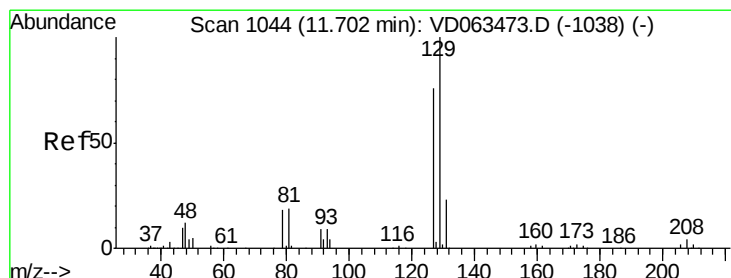
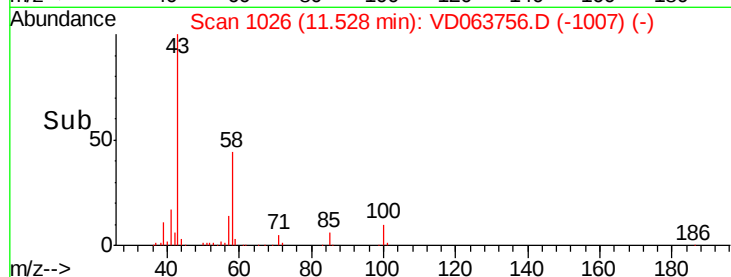
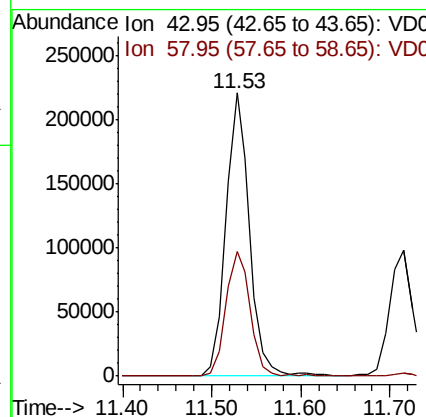
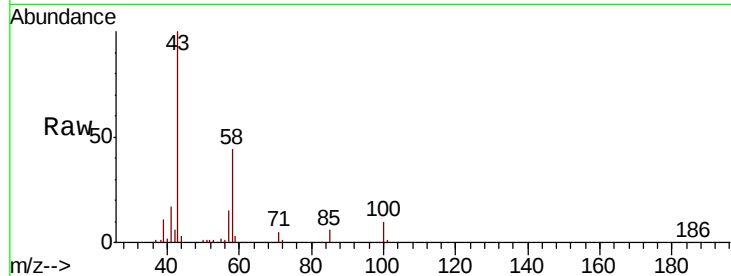




#59
2-Hexanone
Concen: 123.018 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

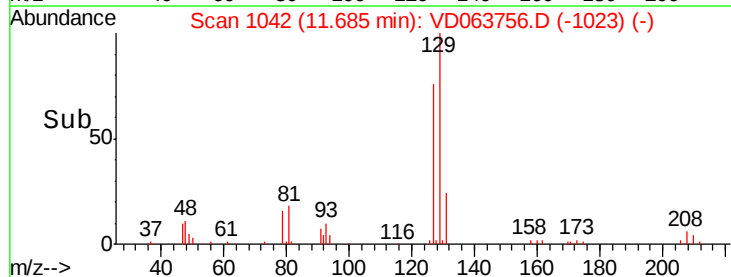
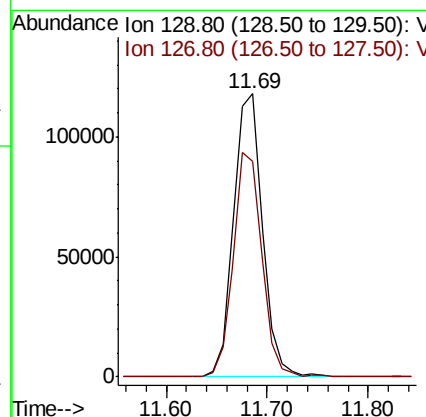
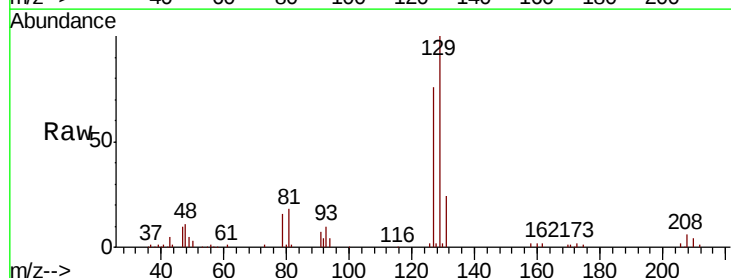
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

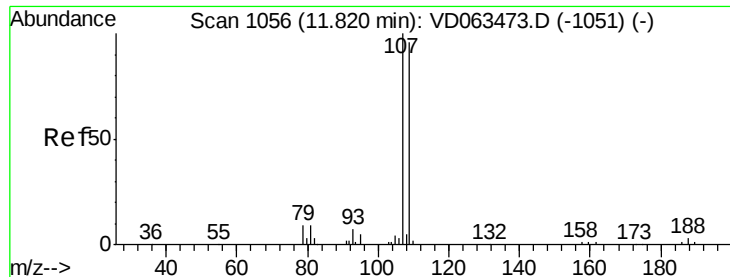
Tgt Ion: 43 Resp: 411849
Ion Ratio Lower Upper
43 100
58 44.1 23.1 69.2



#60
Dibromochloromethane
Concen: 22.471 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 129 Resp: 234569
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4

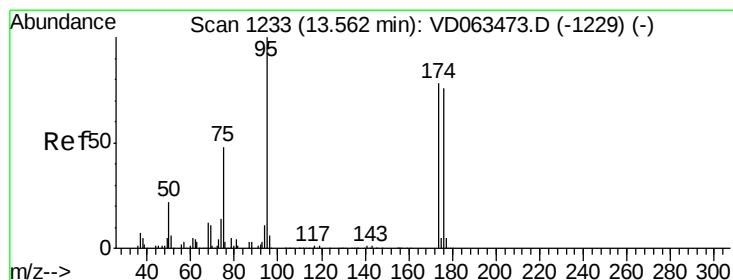
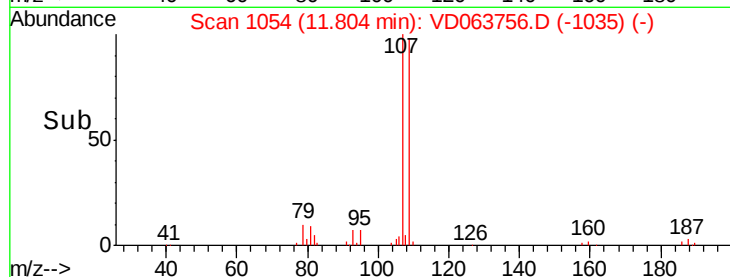
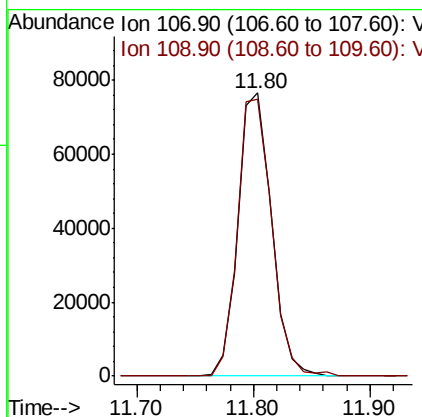
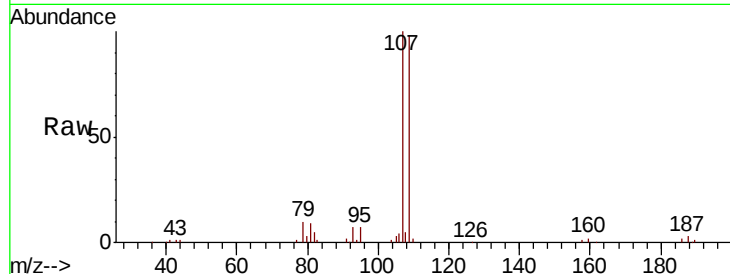




#61
 1,2-Dibromoethane
 Concen: 21.892 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

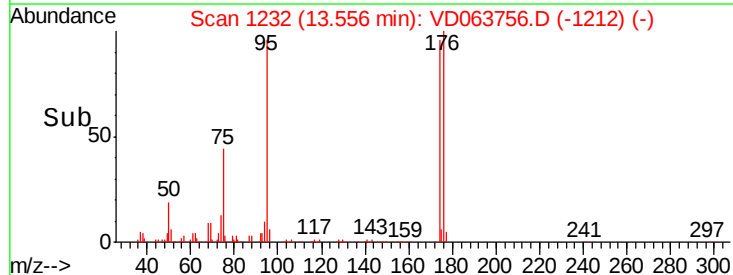
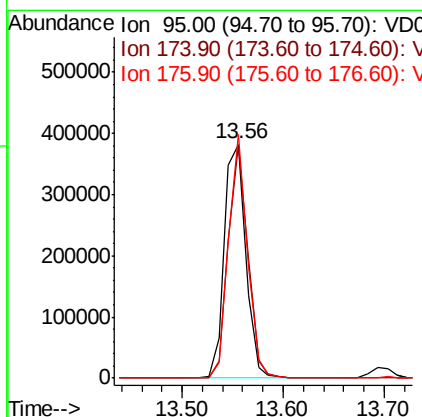
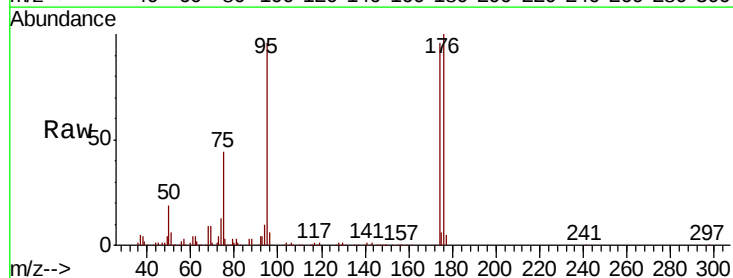
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tgt Ion: 107 Resp: 152035
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.055 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 95 Resp: 569334
 Ion Ratio Lower Upper
 95 100
 174 100.0 0.0 155.4
 176 104.3 0.0 152.4

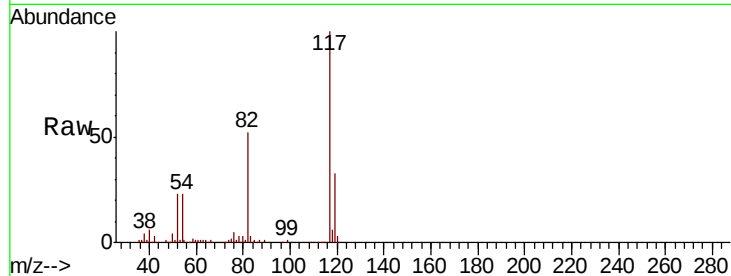




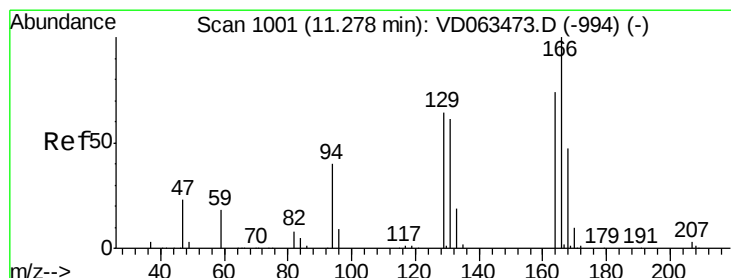
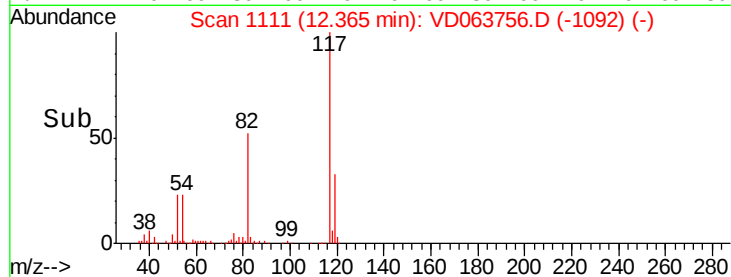
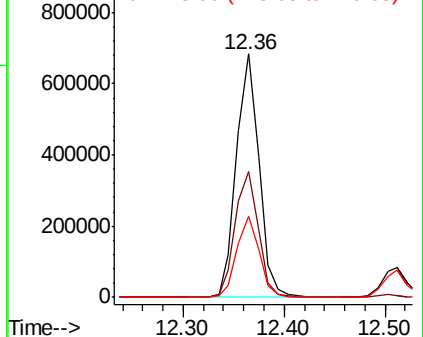
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion:117 Resp: 1066112
Ion Ratio Lower Upper
117 100
82 51.6 42.0 63.0
119 33.2 25.4 38.0

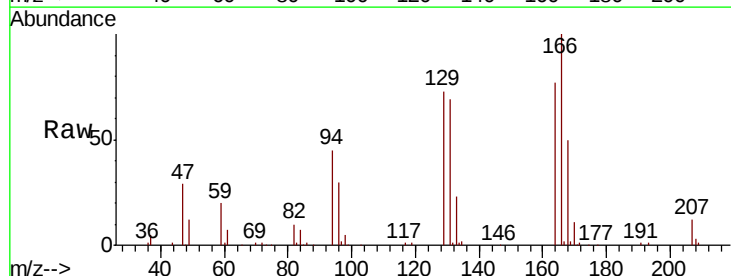


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

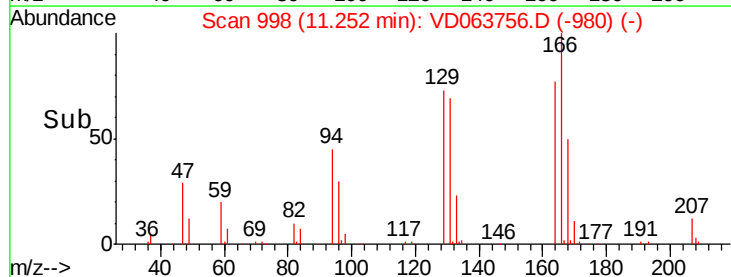
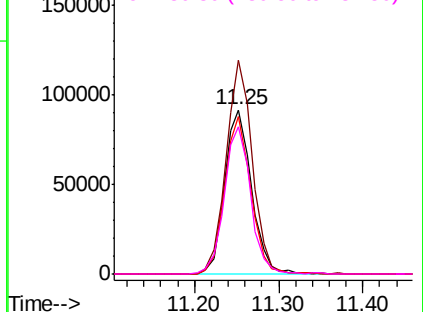


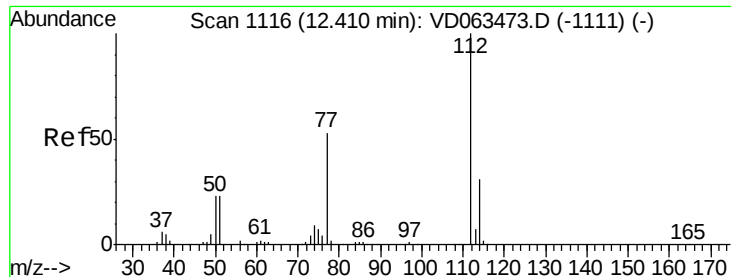
#64
Tetrachloroethene
Concen: 24.528 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion:164 Resp: 201867
Ion Ratio Lower Upper
164 100
166 130.1 108.6 163.0
129 95.6 69.0 103.6
131 89.5 66.6 99.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.345 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

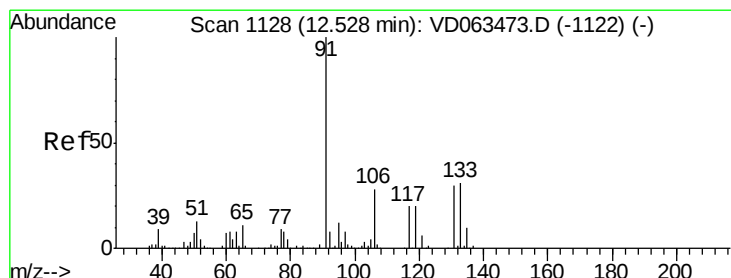
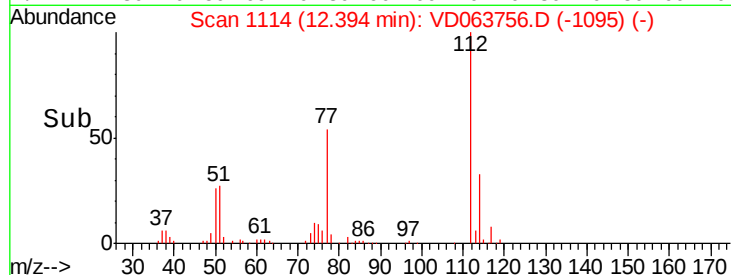
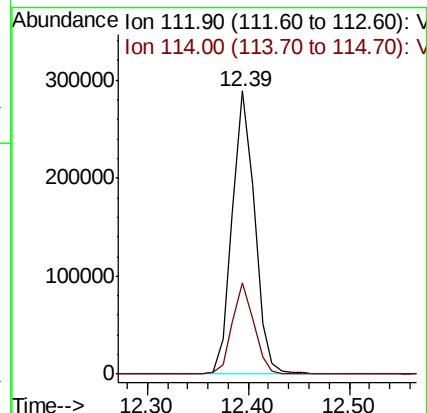
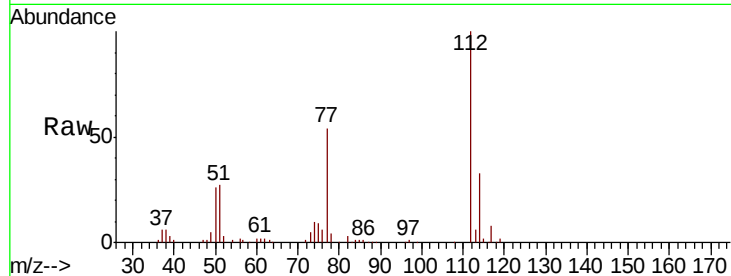
VD0823SBS01

Tgt Ion:112 Resp: 446482

Ion Ratio Lower Upper

112 100

114 32.5 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 23.611 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

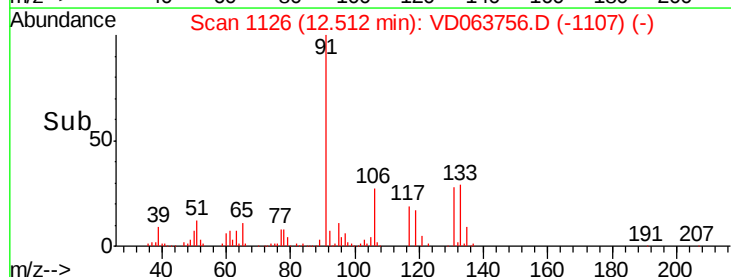
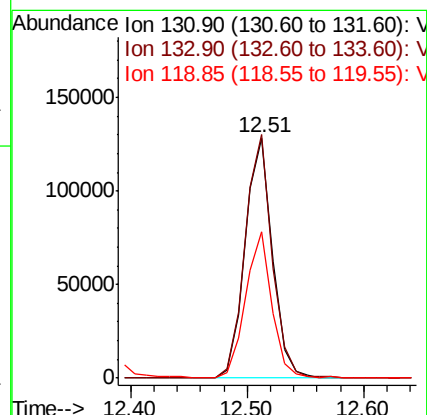
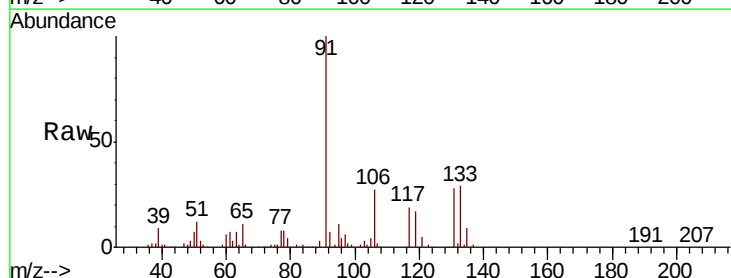
Tgt Ion:131 Resp: 207632

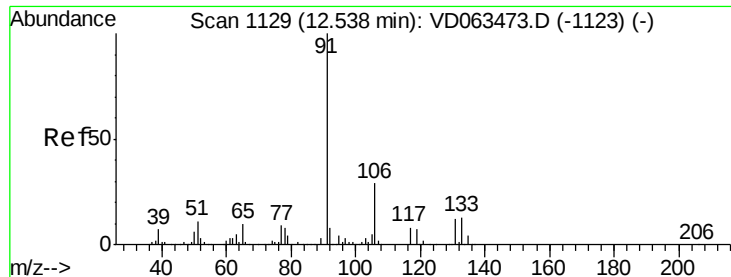
Ion Ratio Lower Upper

131 100

133 101.5 51.1 153.3

119 60.8 33.1 99.3

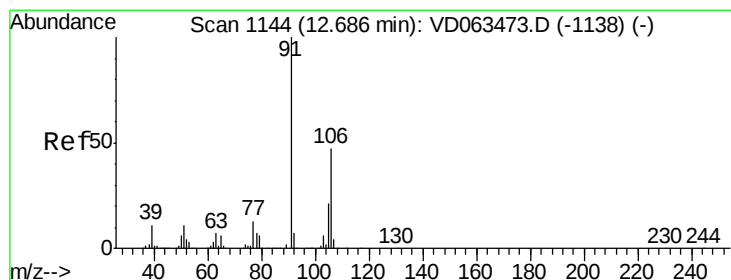
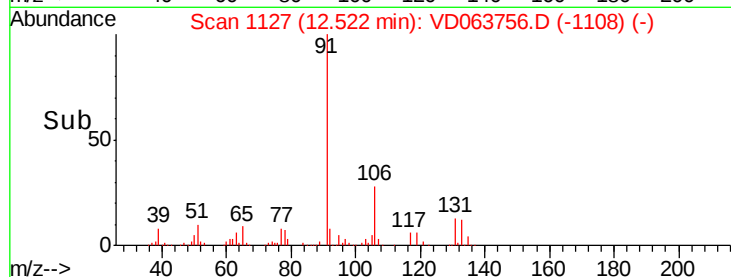
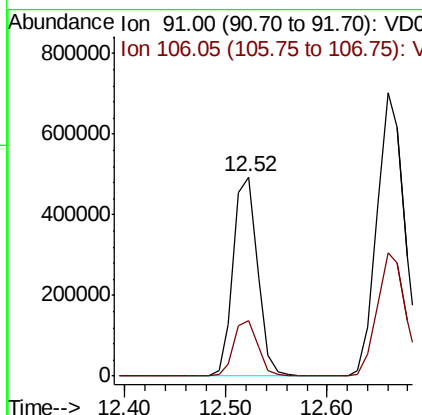
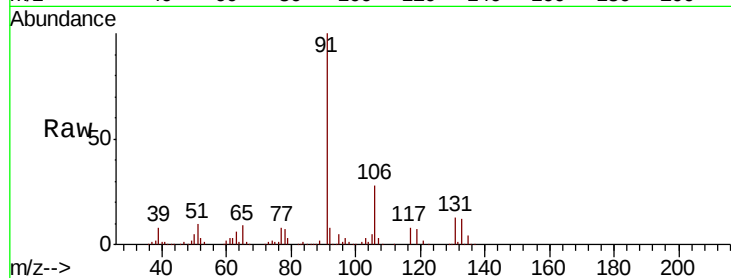




#67
Ethyl Benzene
Concen: 23.877 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

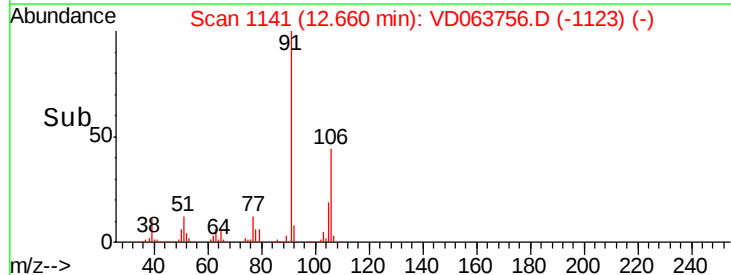
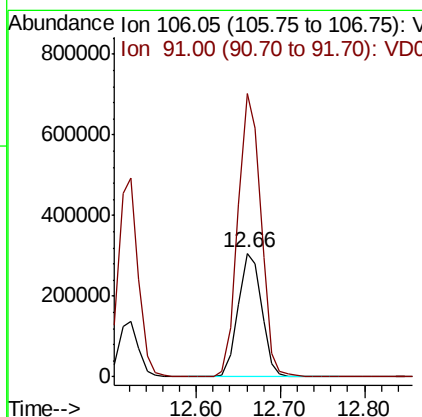
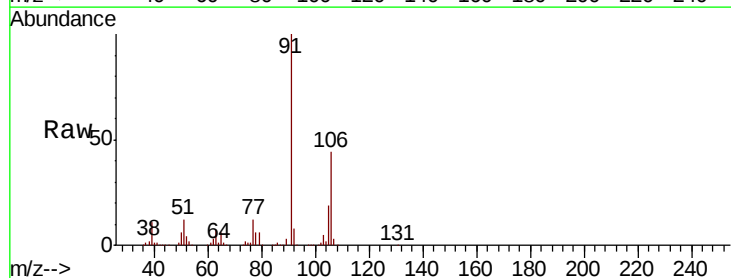
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

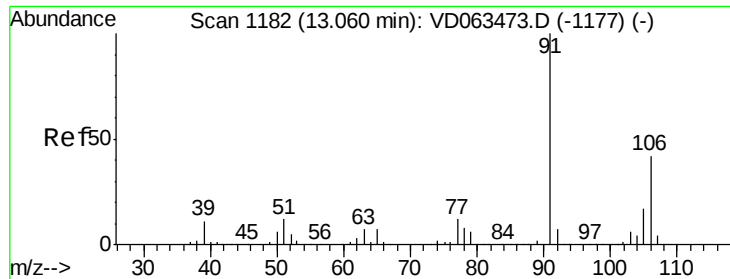
Tgt Ion: 91 Resp: 829574
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 48.922 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 106 Resp: 597158
Ion Ratio Lower Upper
106 100
91 228.4 171.8 257.8

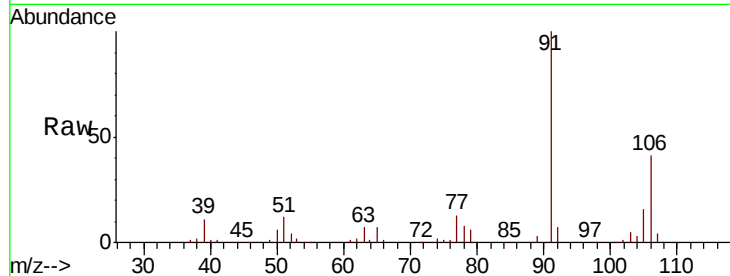




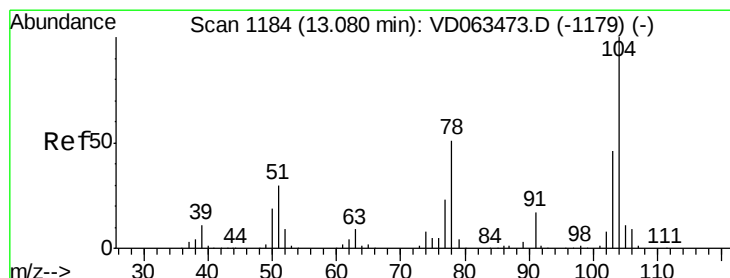
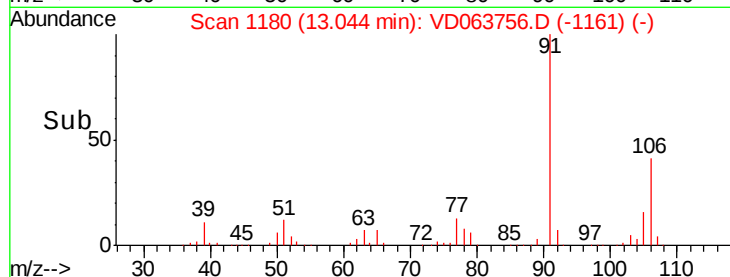
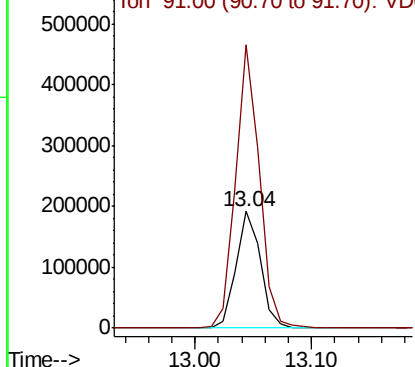
#69
o-Xylene
Concen: 23.774 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion:106 Resp: 279294
Ion Ratio Lower Upper
106 100
91 242.0 118.1 354.2

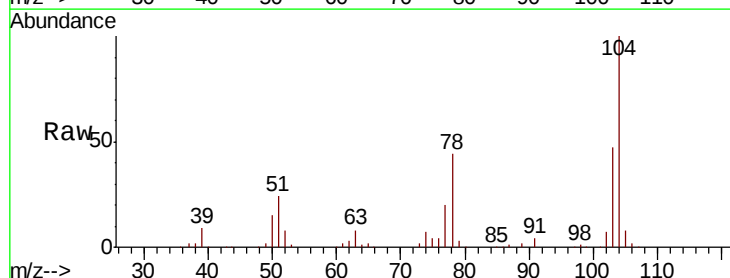


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

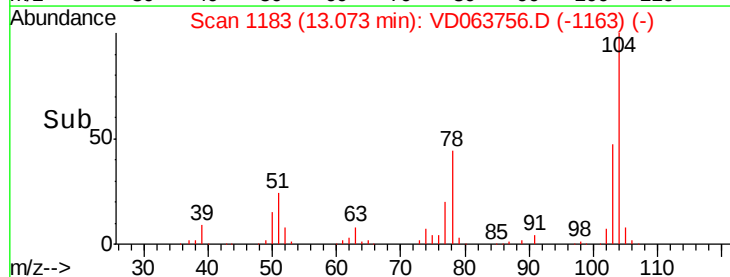
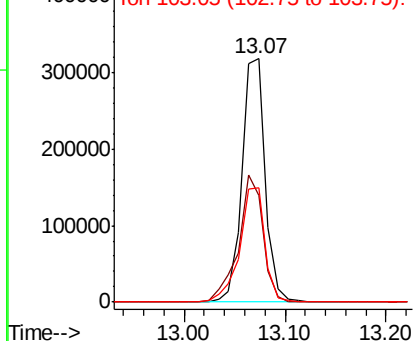


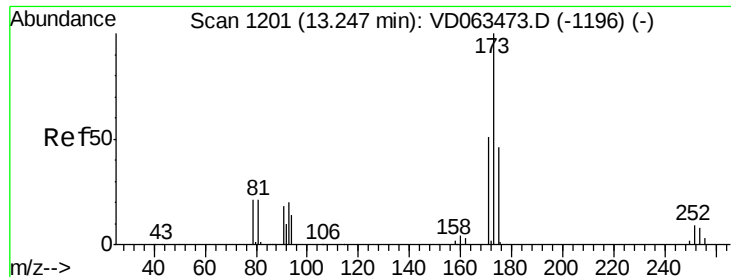
#70
Styrene
Concen: 24.409 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion:104 Resp: 510082
Ion Ratio Lower Upper
104 100
78 44.0 40.8 61.2
103 47.0 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

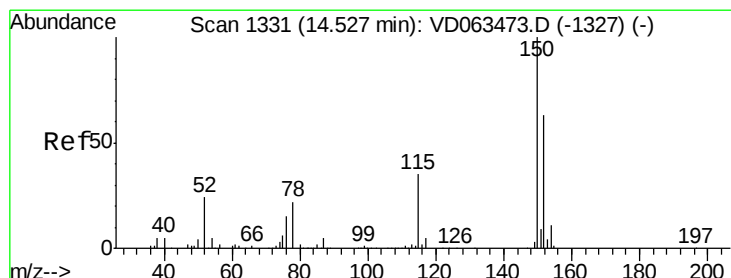
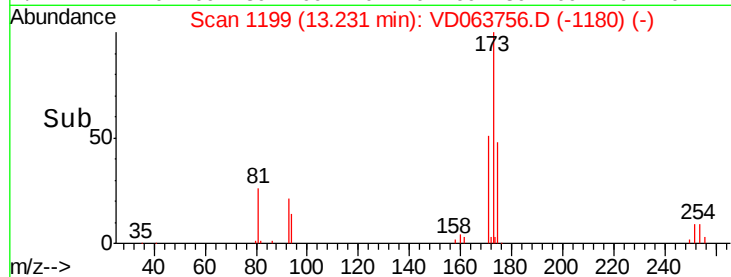
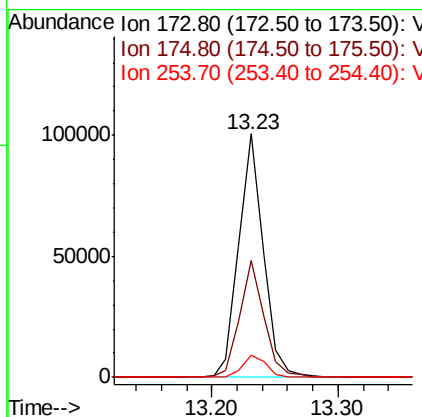
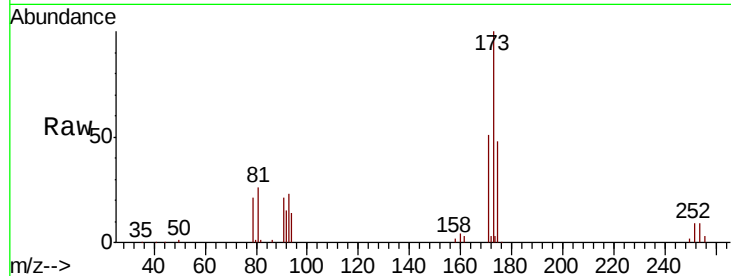




#71
Bromoform
Concen: 22.518 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

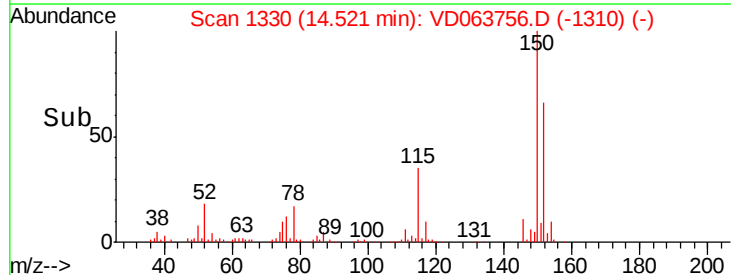
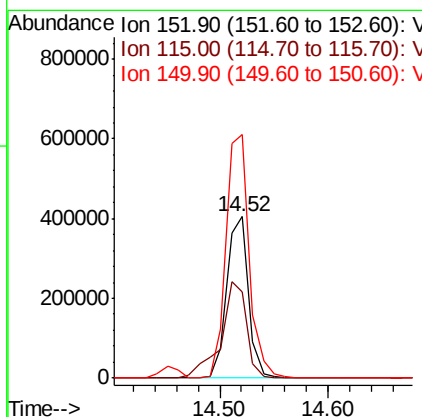
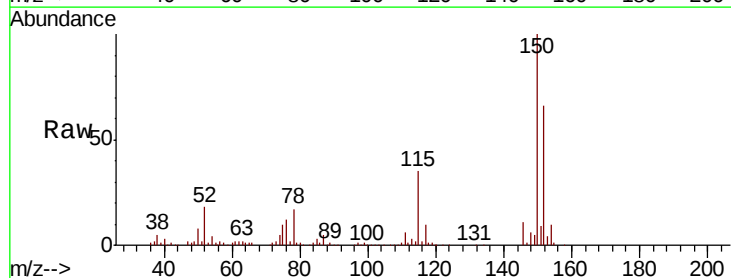
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion:173 Resp: 135777
Ion Ratio Lower Upper
173 100
175 47.8 22.8 68.3
254 9.3 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion:152 Resp: 564552
Ion Ratio Lower Upper
152 100
115 53.2 30.9 92.7
150 150.9 0.0 318.6





#73

Isopropylbenzene

Concen: 24.021 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

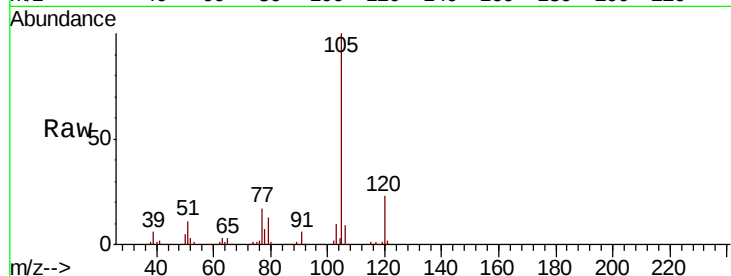
VD0823SBS01

Tgt Ion: 105 Resp: 862569

Ion Ratio Lower Upper

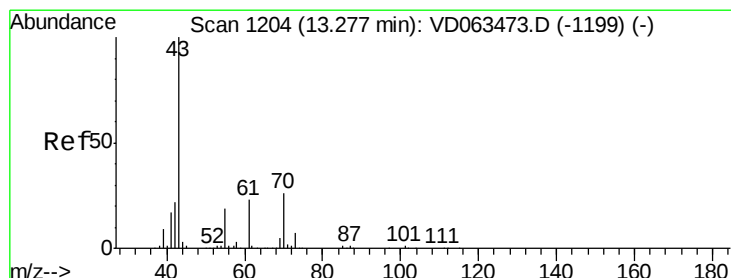
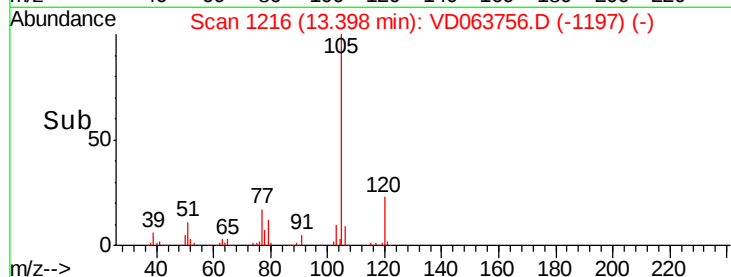
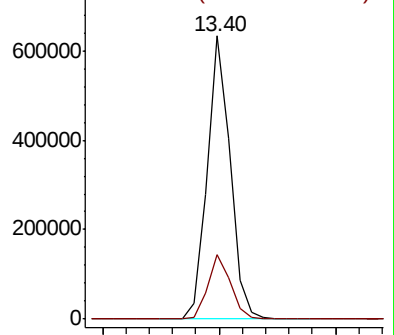
105 100

120 22.8 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: 24.864 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Tgt Ion: 43 Resp: 224129

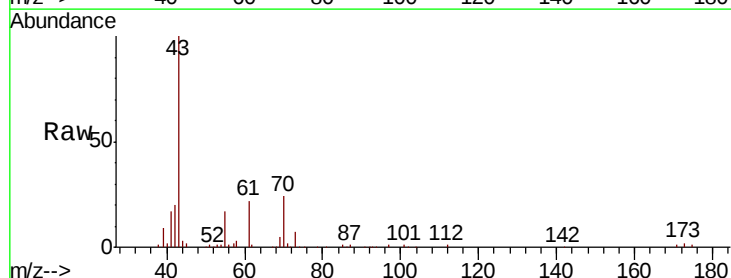
Ion Ratio Lower Upper

43 100

70 23.5 21.1 31.7

55 17.2 15.4 23.0

61 21.6 18.2 27.2

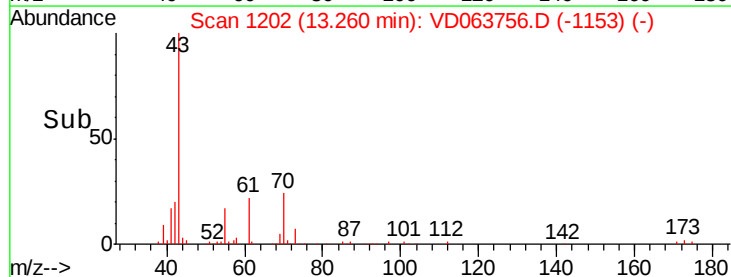
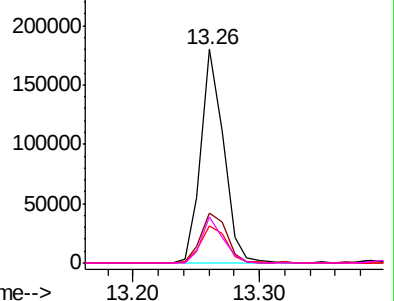


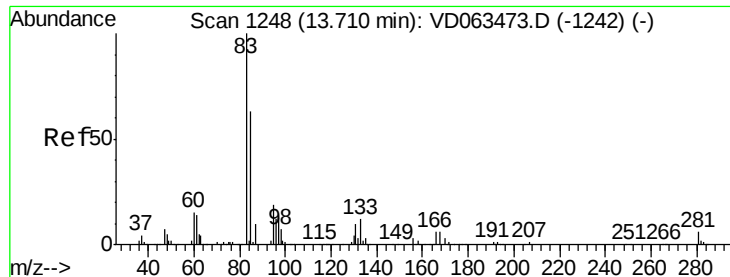
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.072 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

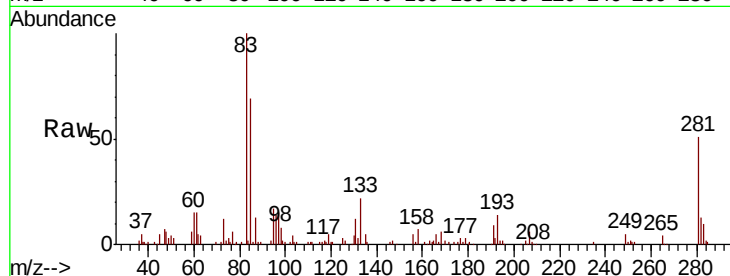
Tgt Ion: 83 Resp: 143471

Ion Ratio Lower Upper

83 100

131 11.7 5.3 15.8

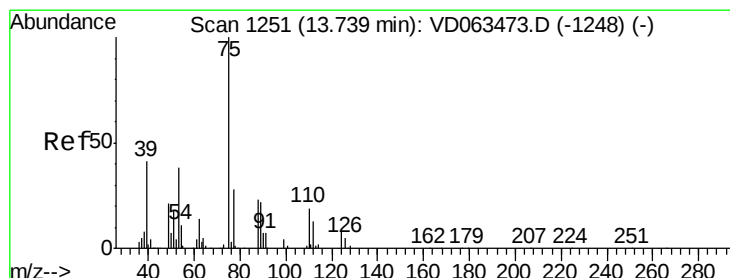
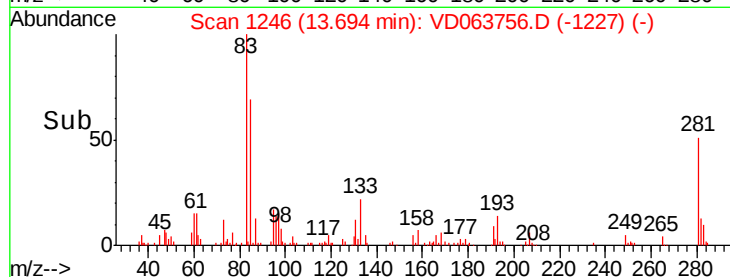
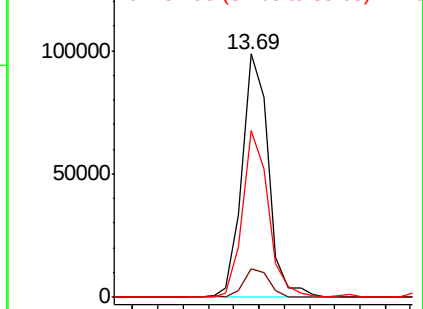
85 68.7 31.4 94.3



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: 25.581 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063756.D

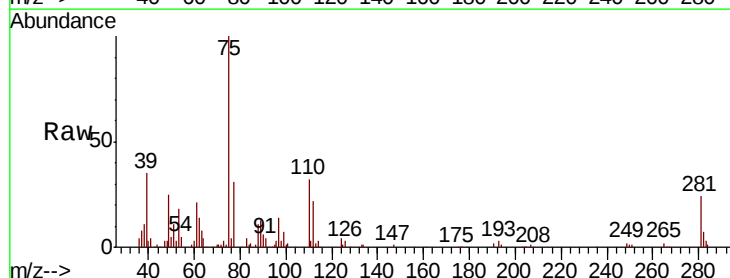
Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 165741

Ion Ratio Lower Upper

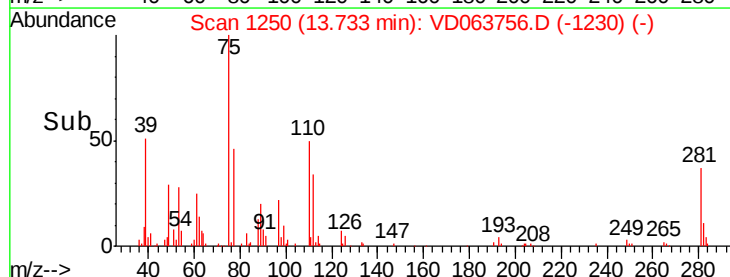
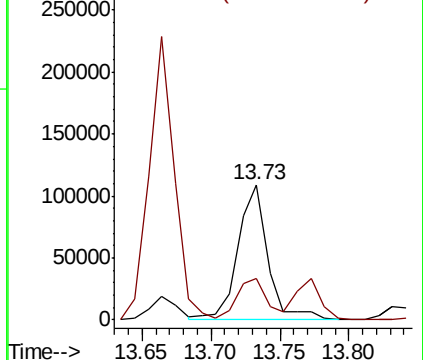
75 100

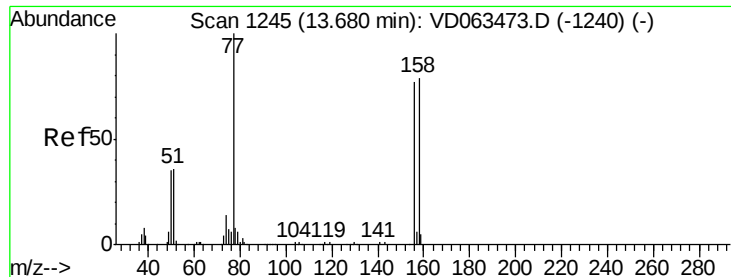
77 30.7 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.526 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

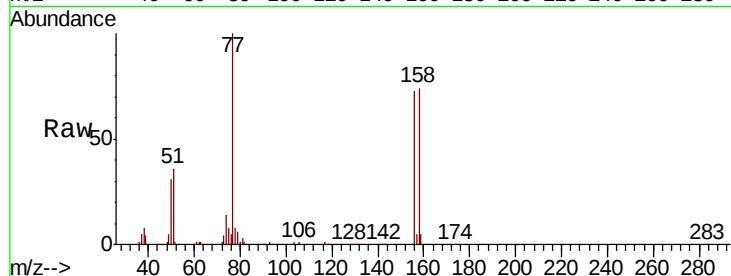
Tgt Ion:156 Resp: 230882

Ion Ratio Lower Upper

156 100

77 136.9 64.6 193.8

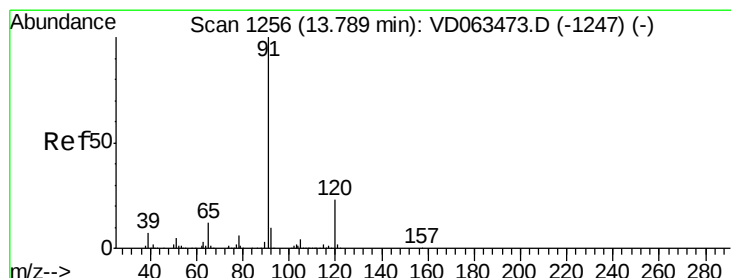
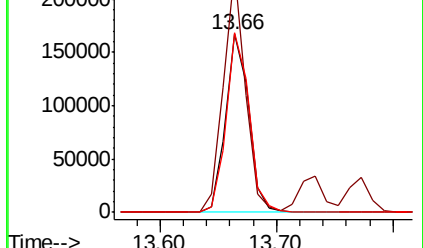
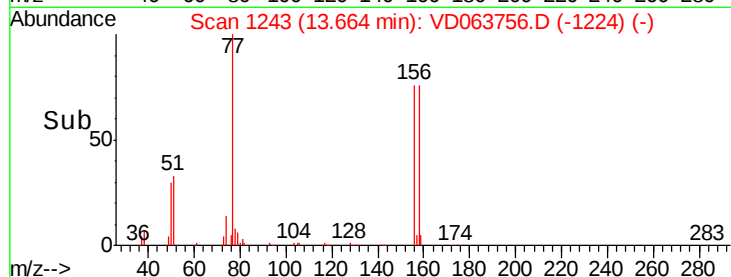
158 101.0 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.752 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063756.D

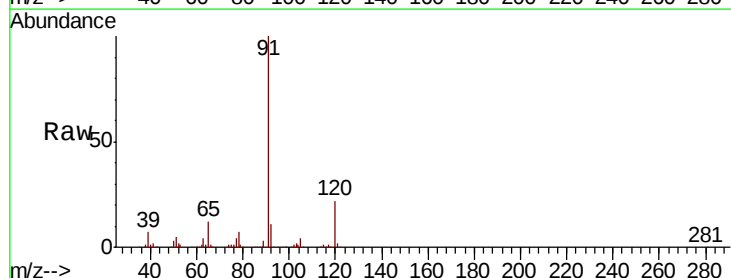
Acq: 23 Aug 2019 10:37

Tgt Ion: 91 Resp: 1039947

Ion Ratio Lower Upper

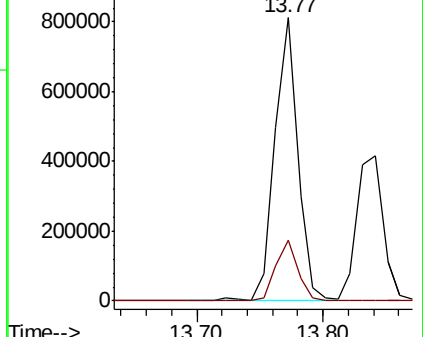
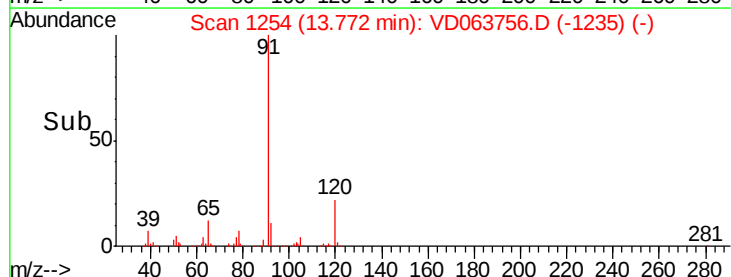
91 100

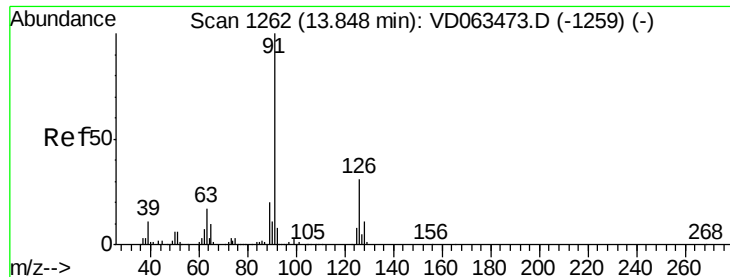
120 21.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

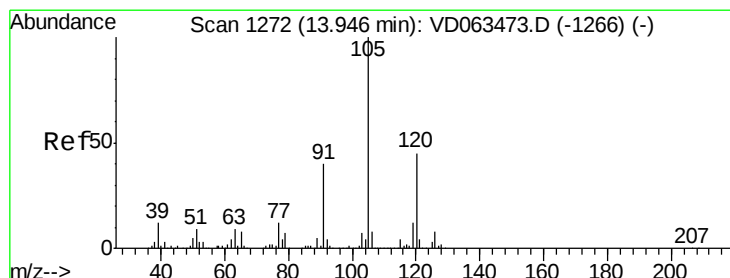
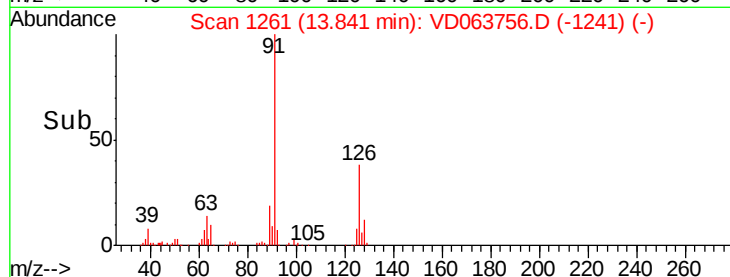
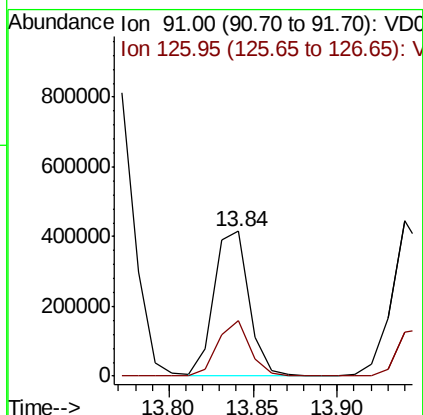
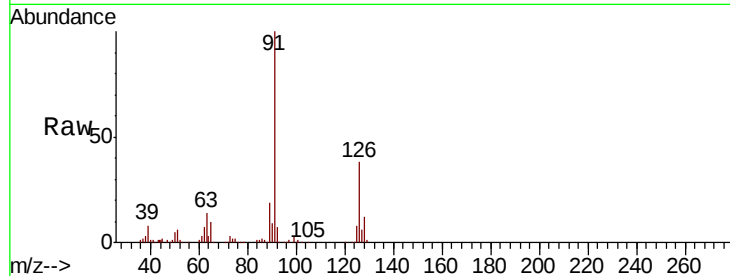




#79
 2-Chlorotoluene
 Concen: 24.959 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

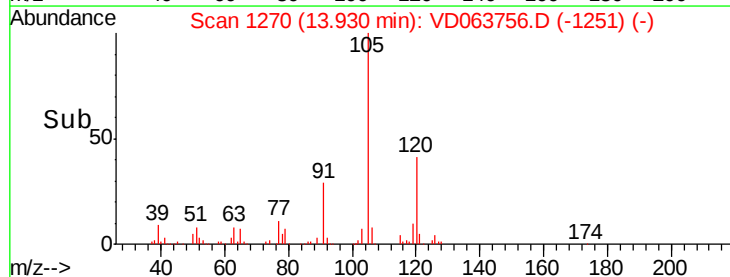
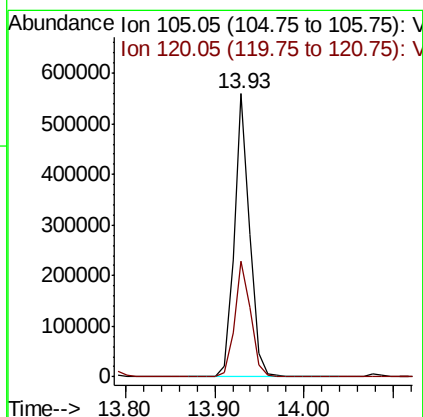
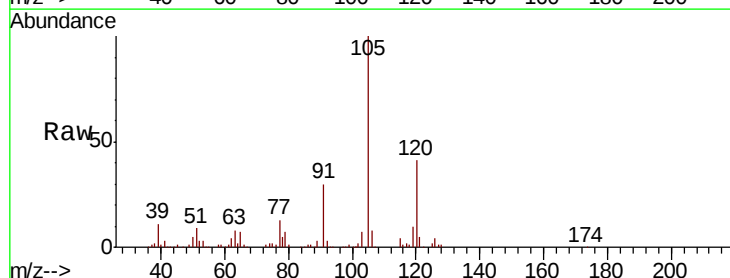
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

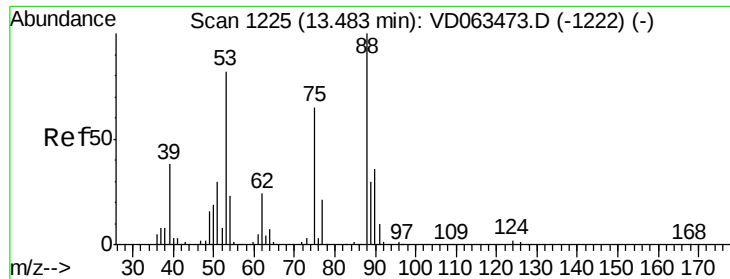
Tgt Ion: 91 Resp: 604610
 Ion Ratio Lower Upper
 91 100
 126 38.3 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.768 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 105 Resp: 682958
 Ion Ratio Lower Upper
 105 100
 120 40.9 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.233 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

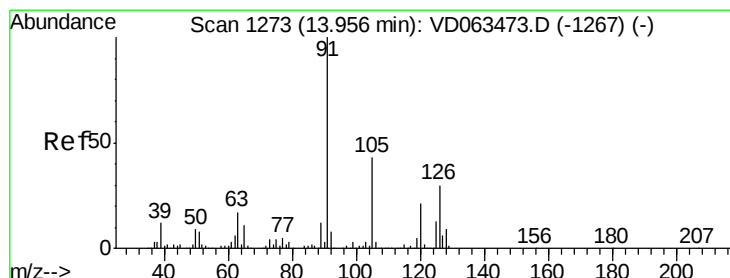
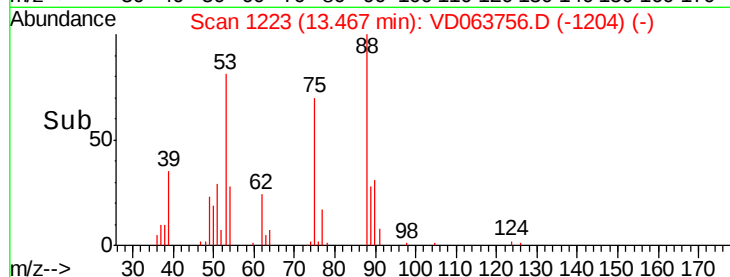
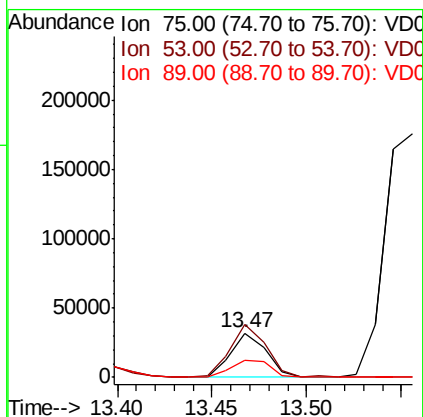
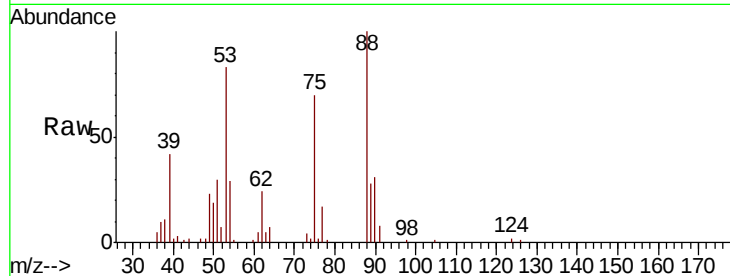
Tgt Ion: 75 Resp: 42200

Ion Ratio Lower Upper

75 100

53 118.5 101.0 151.4

89 39.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 23.080 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063756.D

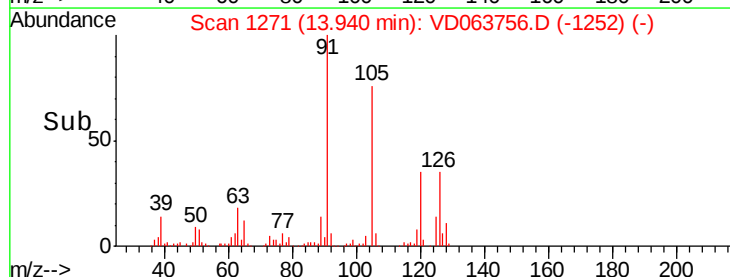
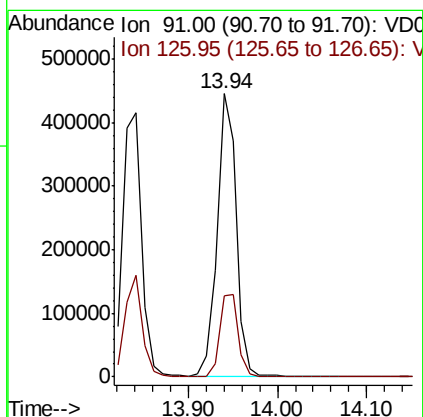
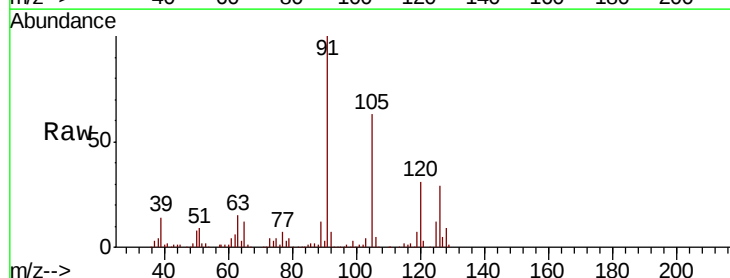
Acq: 23 Aug 2019 10:37

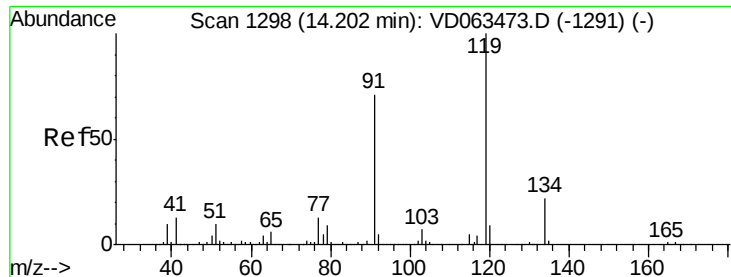
Tgt Ion: 91 Resp: 672312

Ion Ratio Lower Upper

91 100

126 28.6 15.2 45.6

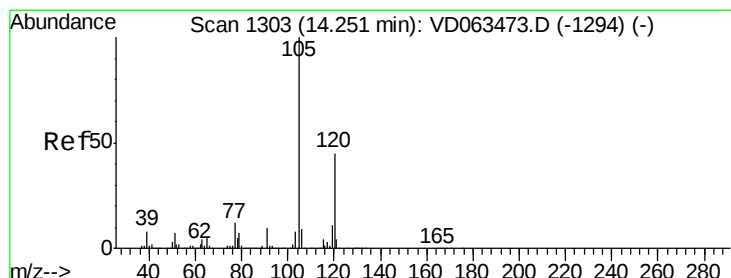
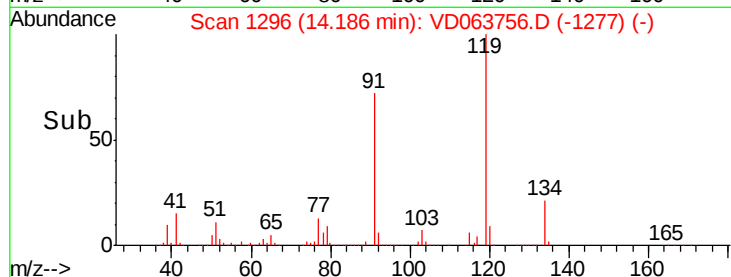
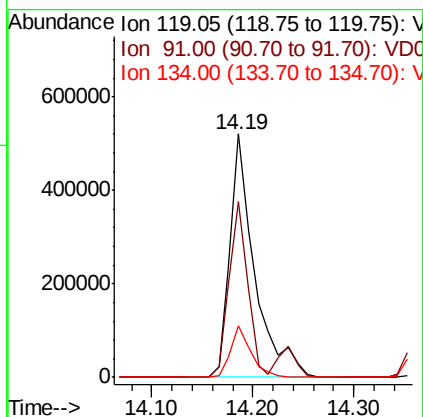
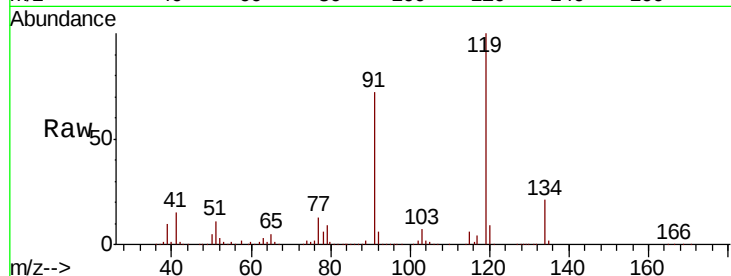




#83
 tert-Butylbenzene
 Concen: 26.694 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

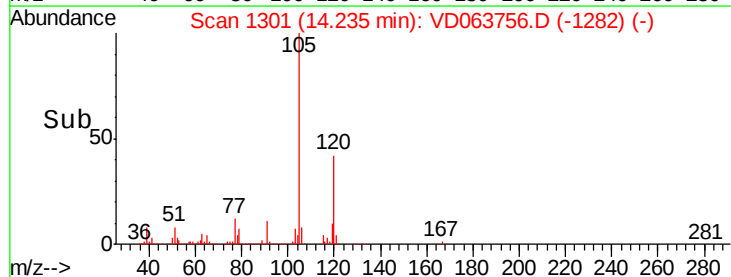
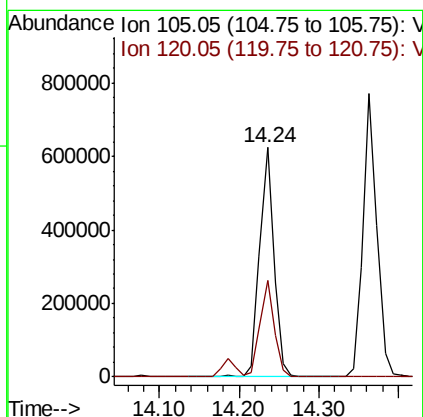
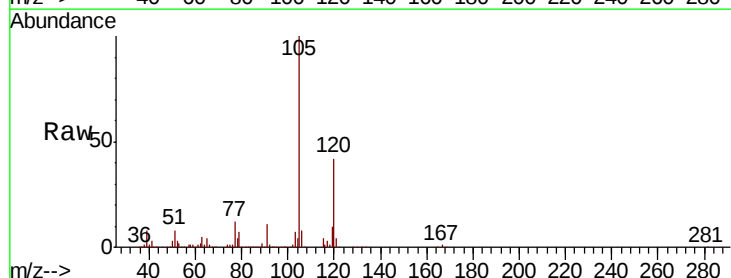
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

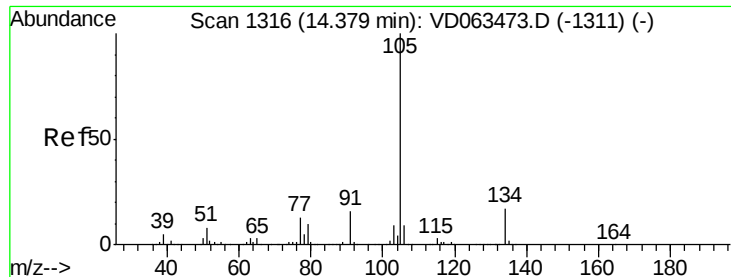
Tgt Ion:119 Resp: 881927
 Ion Ratio Lower Upper
 119 100
 91 72.1 35.5 106.7
 134 21.1 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 26.402 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:105 Resp: 766459
 Ion Ratio Lower Upper
 105 100
 120 42.2 22.7 68.1

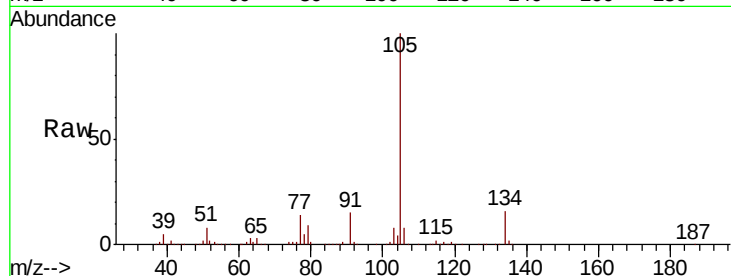




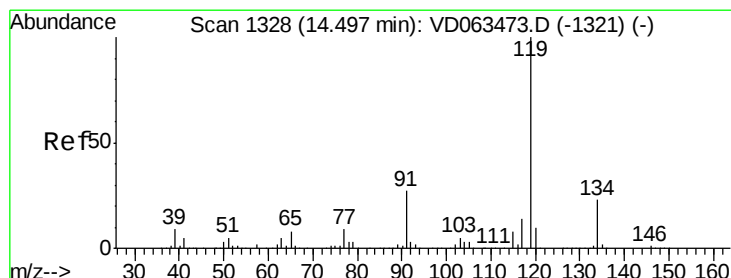
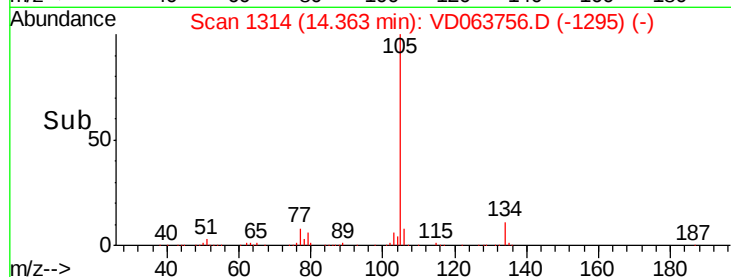
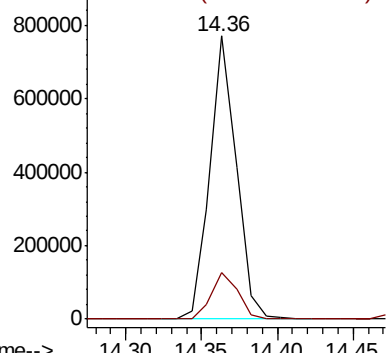
#85
 sec-Butylbenzene
 Concen: 26.637 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tgt Ion:105 Resp: 934614
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.3 24.8

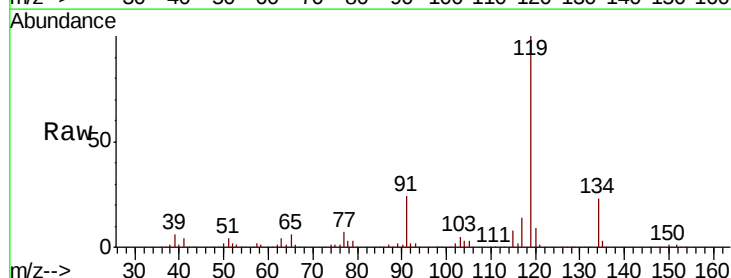


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

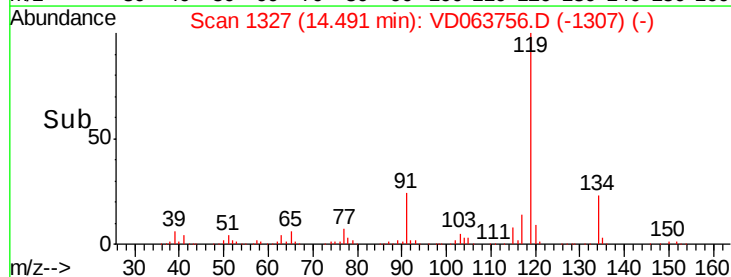
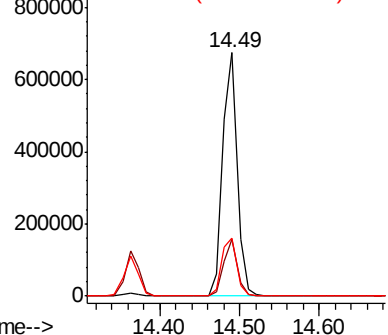


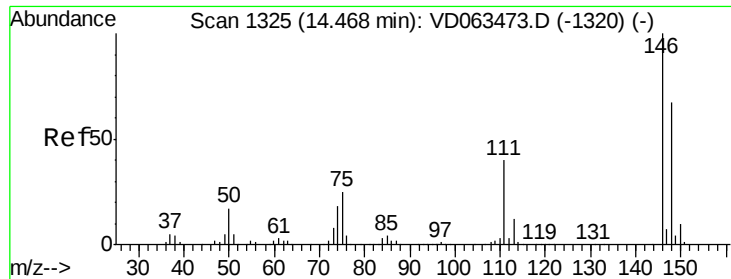
#86
 p-Isopropyltoluene
 Concen: 24.905 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:119 Resp: 835504
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.3 33.8
 91 23.9 13.5 40.4



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

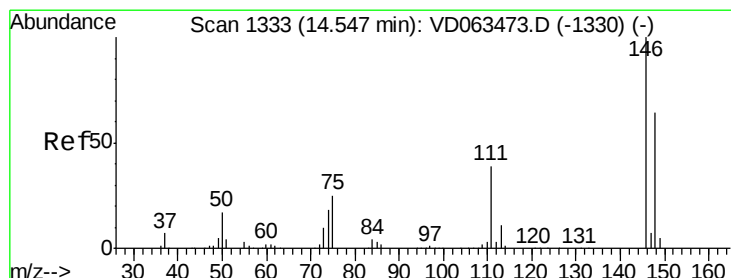
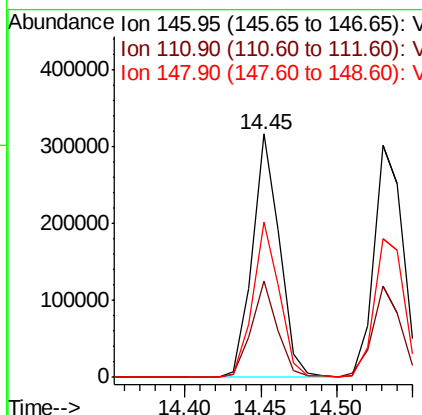
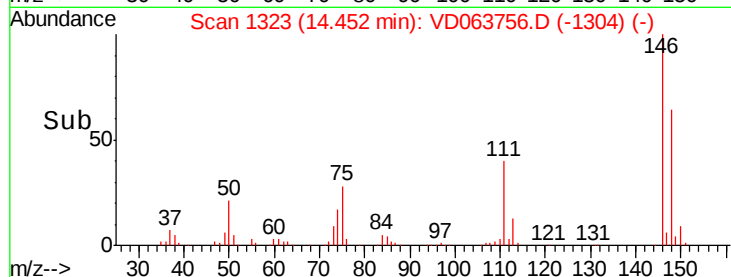
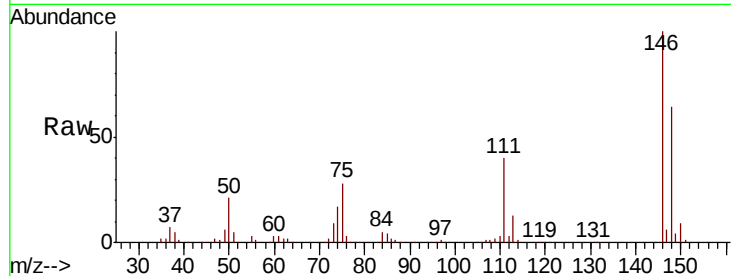




#87
 1,3-Dichlorobenzene
 Concen: 22.350 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

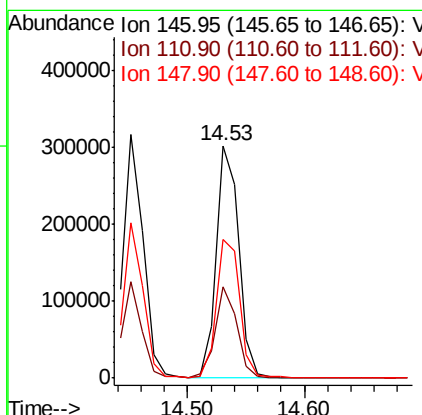
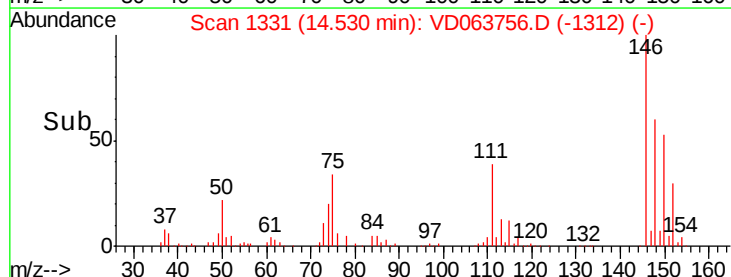
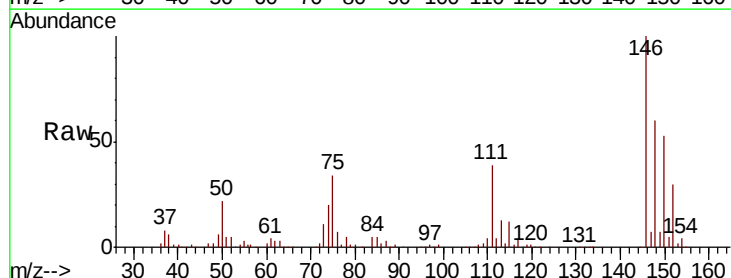
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

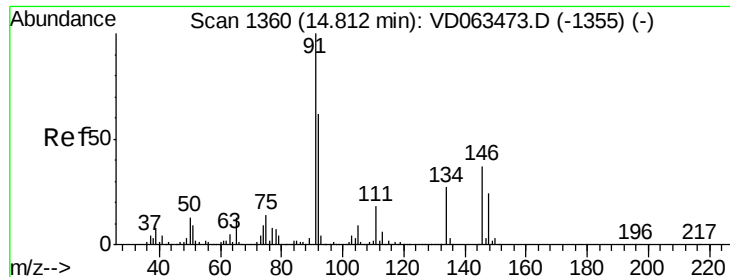
Tgt Ion:146 Resp: 396745
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.0 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 23.864 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:146 Resp: 406439
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.0
 148 59.7 32.1 96.3





#89

n-Butylbenzene

Concen: 26.082 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063756.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

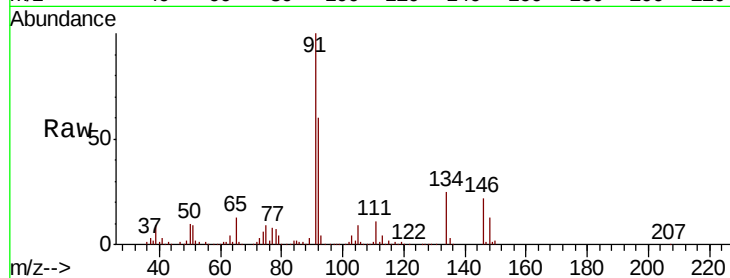
Tgt Ion: 91 Resp: 798587

Ion Ratio Lower Upper

91 100

92 59.9 30.8 92.3

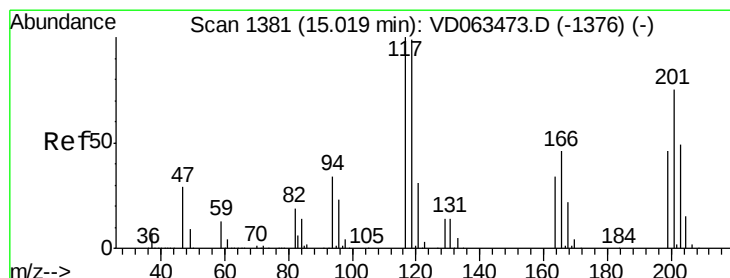
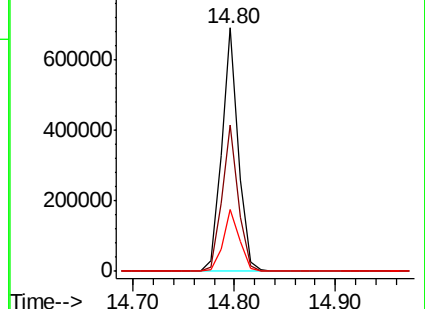
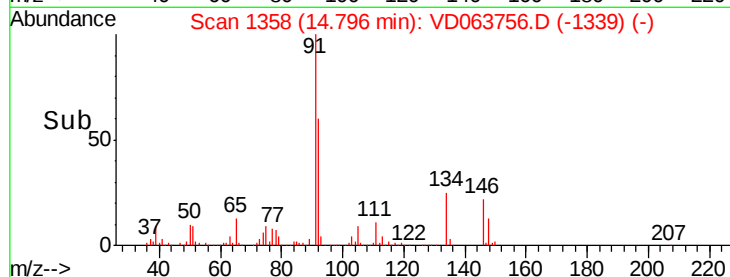
134 25.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 24.486 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063756.D

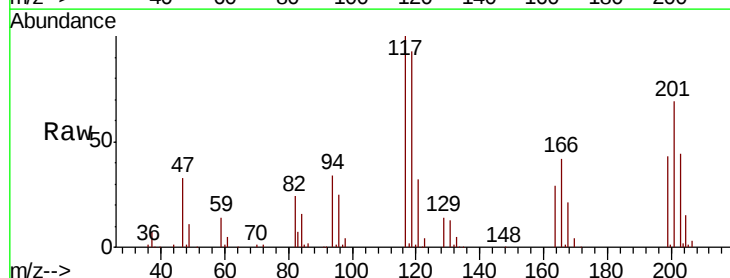
Acq: 23 Aug 2019 10:37

Tgt Ion: 117 Resp: 206470

Ion Ratio Lower Upper

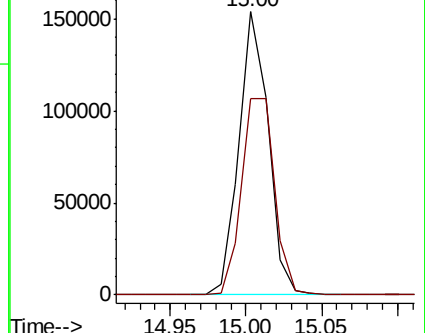
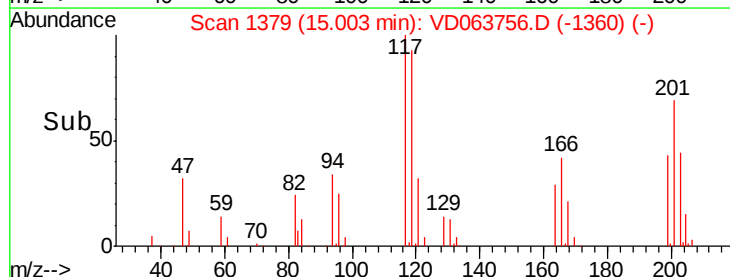
117 100

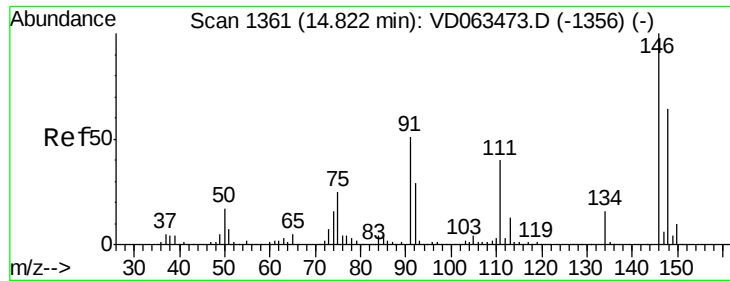
201 69.4 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

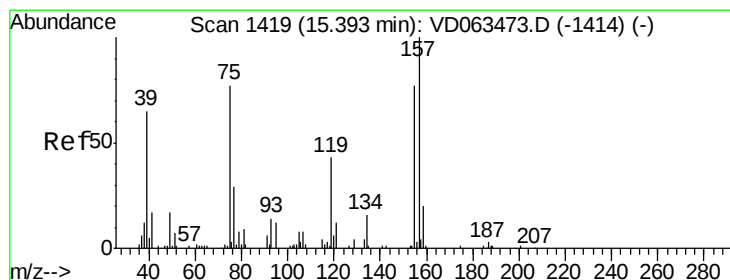
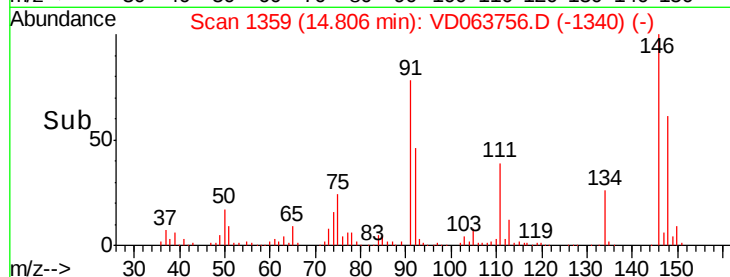
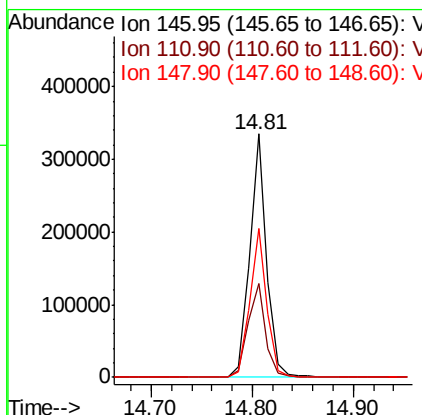
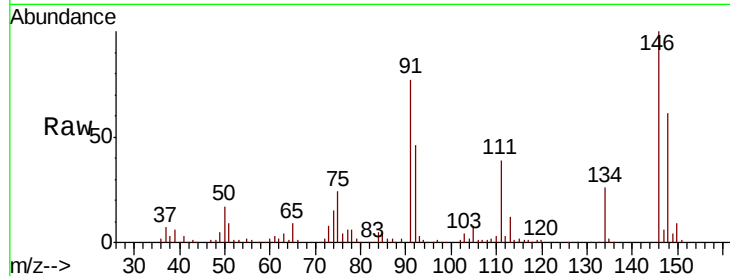




#91
 1,2-Dichlorobenzene
 Concen: 25.862 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

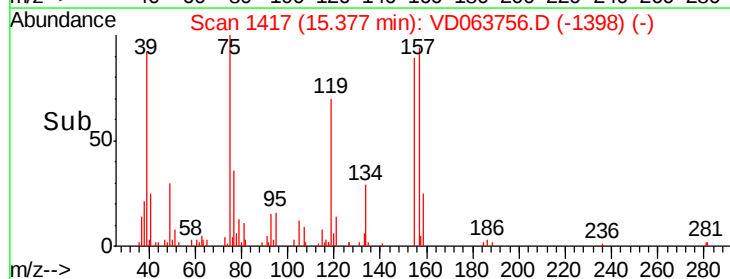
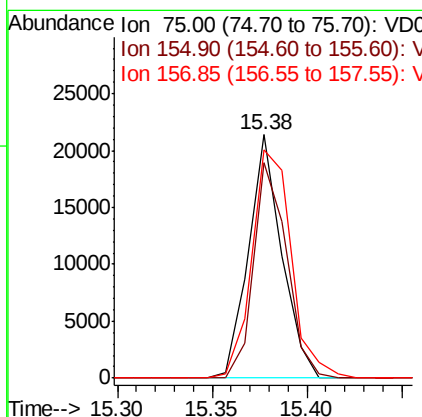
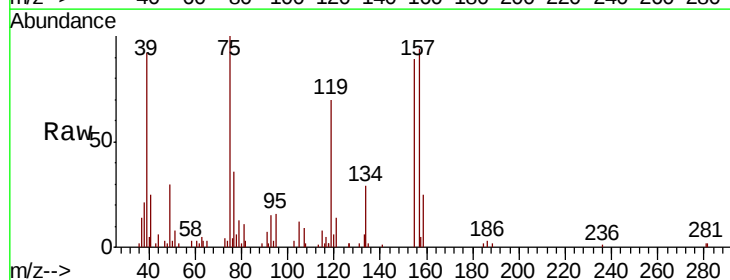
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

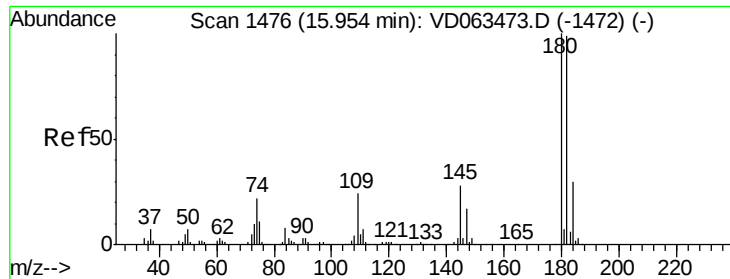
Tgt Ion: 146 Resp: 389499
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.2 60.6
 148 61.2 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.146 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 25976
 Ion Ratio Lower Upper
 75 100
 155 88.6 50.1 150.3
 157 94.0 65.0 195.1

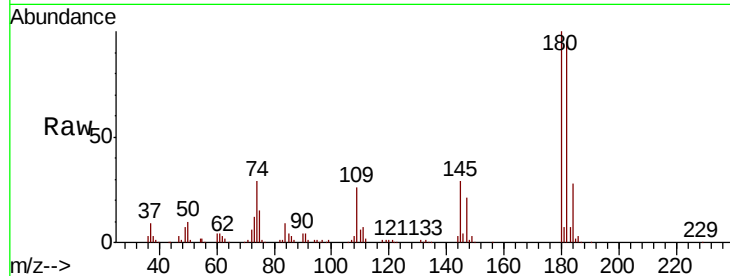




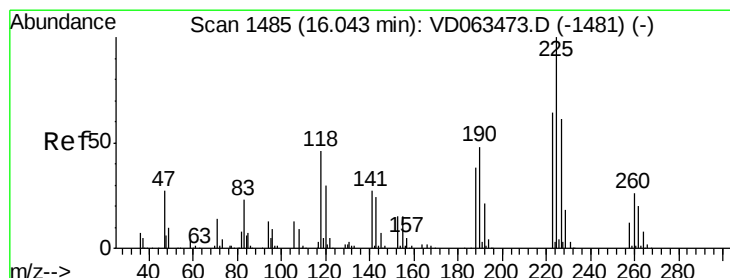
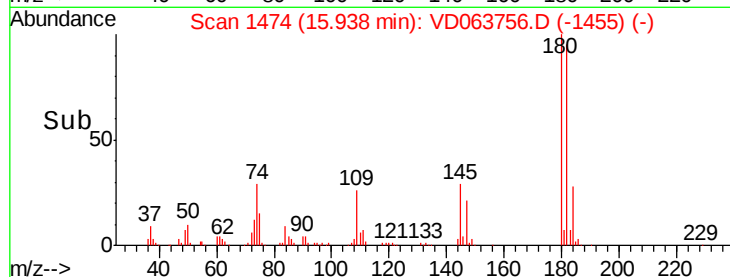
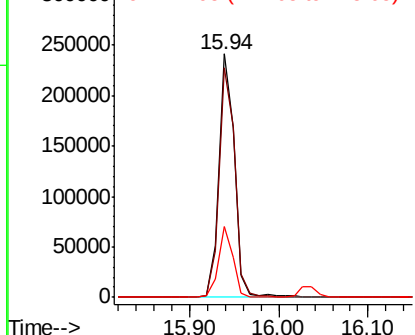
#93
 1,2,4-Trichlorobenzene
 Concen: 26.618 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tgt Ion:180 Resp: 294983
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.7 149.1
 145 29.0 14.1 42.2

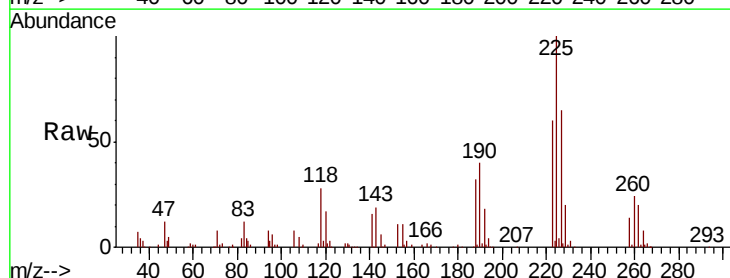


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

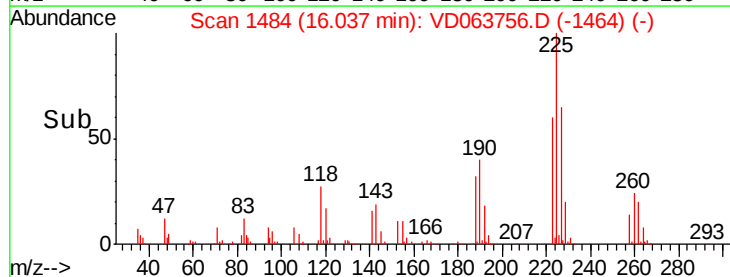
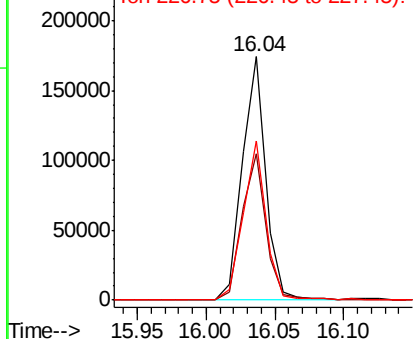


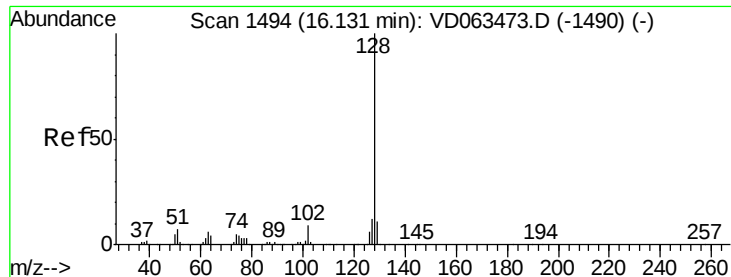
#94
 Hexachlorobutadiene
 Concen: 24.577 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063756.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:225 Resp: 207584
 Ion Ratio Lower Upper
 225 100
 223 60.2 31.9 95.5
 227 65.3 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

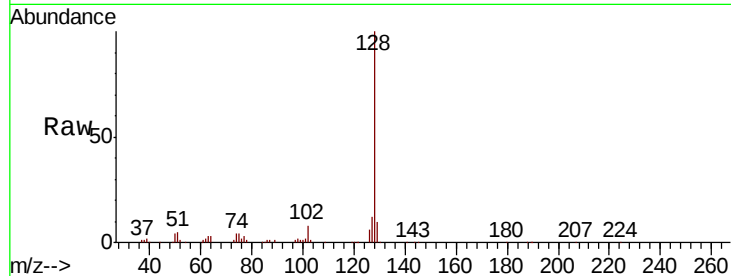




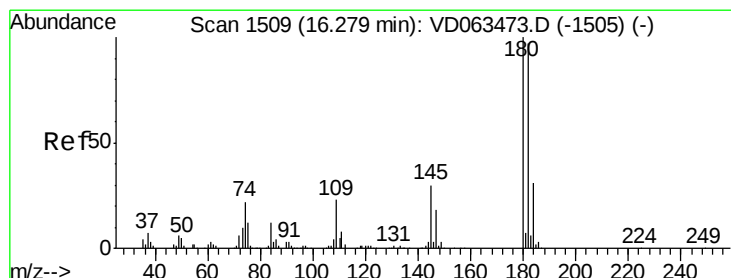
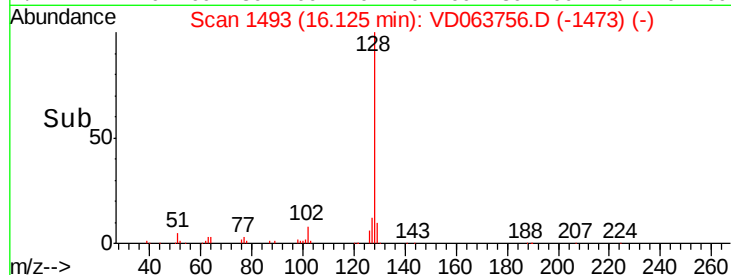
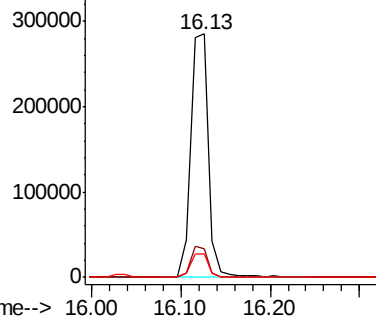
#95
Naphthalene
Concen: 23.716 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.4	14.0
129	9.6	8.5	12.7

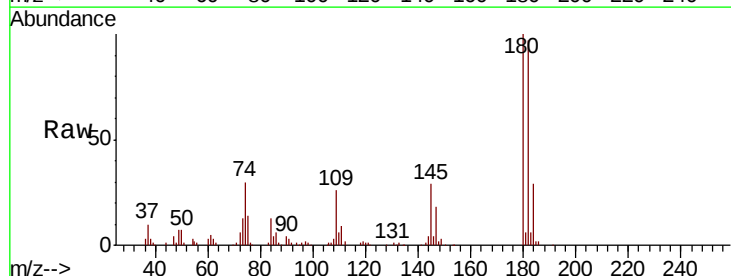


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 25.735 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VD063756.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.2
145	28.8	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

