

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063759.D
 Acq On : 23 Aug 2019 12:00
 Operator : JC/SY
 Sample : VD0823SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS02

Quant Time: Aug 26 01:05:14 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	7.03	168	953935	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1228815	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1058931	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	525839	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	462941	45.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	6.91	113	525501	50.78	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.40	98	1156664	50.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	13.55	95	459012	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.55	85	199928	17.323 ug/l	97
3) Chloromethane	1.73	50	152667	16.931 ug/l #	87
4) Vinyl Chloride	1.83	62	160469	17.927 ug/l	93
5) Bromomethane	2.13	94	74850	17.721 ug/l #	97
6) Chloroethane	2.24	64	77591	18.955 ug/l	98
7) Trichlorofluoromethane	2.51	101	341058	19.425 ug/l	99
8) Diethyl Ether	2.85	74	46369	18.705 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.13	101	206474	19.915 ug/l	96
10) Methyl Iodide	3.28	142	235962	16.085 ug/l	96
11) Tert butyl alcohol	4.06	59	45714	102.985 ug/l #	91
12) 1,1-Dichloroethene	3.11	96	151249	19.622 ug/l	85
13) Acrolein	3.02	56	29749	68.087 ug/l #	64
14) Allyl chloride	3.59	41	227010	19.591 ug/l	90
15) Acrylonitrile	4.18	53	117820	100.208 ug/l	95
16) Acetone	3.21	43	203683	98.264 ug/l #	85
17) Carbon Disulfide	3.34	76	405783	16.680 ug/l	97
18) Methyl Acetate	3.62	43	80992	20.629 ug/l	98
19) Methyl tert-butyl Ether	4.22	73	312410	20.266 ug/l	98
20) Methylene Chloride	3.79	84	170153	18.984 ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	153250	18.893 ug/l	94
22) Diisopropyl ether	5.10	45	439598	18.384 ug/l	94
23) Vinyl Acetate	5.04	43	1381569	99.386 ug/l	99
24) 1,1-Dichloroethane	4.96	63	287906	19.413 ug/l	97
25) 2-Butanone	6.05	43	208428	101.812 ug/l	94
26) 2,2-Dichloropropane	6.00	77	297348	20.129 ug/l	91
27) cis-1,2-Dichloroethene	6.02	96	163443	18.417 ug/l	96
28) Bromochloromethane	6.43	49	122948	20.455 ug/l	95
29) Tetrahydrofuran	6.45	42	90536	94.908 ug/l	96
30) Chloroform	6.65	83	347164	18.833 ug/l	94
31) Cyclohexane	6.94	56	170524	18.521 ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	333818	18.931 ug/l	93
36) 1,1-Dichloropropene	7.13	75	216589	19.938 ug/l	98
37) Ethyl Acetate	6.17	43	93496	20.540 ug/l	98
38) Carbon Tetrachloride	7.10	117	312857	19.109 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	185570	20.089	ug/l	100
40) Benzene	7.44	78	463378	19.384	ug/l	99
41) Methacrylonitrile	6.45	41	123417	21.534	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	248764	20.695	ug/l	99
43) Isopropyl Acetate	9.23	43	133809	21.949	ug/l #	88
44) Trichloroethene	8.52	130	190248	20.821	ug/l	93
45) 1,2-Dichloropropane	8.93	63	117807	21.161	ug/l	90
46) Dibromomethane	9.05	93	103568	21.785	ug/l	94
47) Bromodichloromethane	9.37	83	255557	20.956	ug/l	92
48) Methyl methacrylate	9.11	41	88179	21.328	ug/l	94
49) 1,4-Dioxane	9.07	88	16084	449.601	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	459314	110.103	ug/l	98
52) Toluene	10.50	92	315872	20.514	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	197727	19.868	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	223961	19.957	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	115946	22.292	ug/l	97
56) Ethyl methacrylate	11.03	69	125777	22.280	ug/l	93
57) 1,3-Dichloropropane	11.40	76	172450	21.934	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	350428	117.578	ug/l	97
59) 2-Hexanone	11.53	43	346215	114.059	ug/l	98
60) Dibromochloromethane	11.67	129	203935	21.548	ug/l	91
61) 1,2-Dibromoethane	11.80	107	134597	21.377	ug/l	87
64) Tetrachloroethene	11.25	164	166566	20.376	ug/l	92
65) Chlorobenzene	12.39	112	396718	19.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	183610	21.021	ug/l	91
67) Ethyl Benzene	12.52	91	725644	21.028	ug/l	99
68) m/p-Xylenes	12.66	106	492681	40.637	ug/l	86
69) o-Xylene	13.04	106	229645	19.680	ug/l	90
70) Styrene	13.07	104	409212	19.715	ug/l	94
71) Bromoform	13.23	173	122445	20.444	ug/l #	96
73) Isopropylbenzene	13.40	105	711471	21.272	ug/l	97
74) N-amyl acetate	13.26	43	179365	21.363	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	127548	22.976	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	138965	23.027	ug/l	91
77) Bromobenzene	13.66	156	196617	21.509	ug/l	96
78) n-propylbenzene	13.77	91	799385	20.427	ug/l	98
79) 2-Chlorotoluene	13.84	91	499588	22.141	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	642741	21.994	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	33457	20.627	ug/l	97
82) 4-Chlorotoluene	13.94	91	616187	22.710	ug/l	92
83) tert-Butylbenzene	14.18	119	681799	22.156	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	635081	23.487	ug/l	93
85) sec-Butylbenzene	14.36	105	743979	22.765	ug/l	99
86) p-Isopropyltoluene	14.49	119	708877	22.686	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	376789	22.788	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	339728	21.416	ug/l	91
89) n-Butylbenzene	14.79	91	632902	22.192	ug/l	98
90) Hexachloroethane	15.00	117	172347	21.944	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	321233	22.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25698	24.584	ug/l	61

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

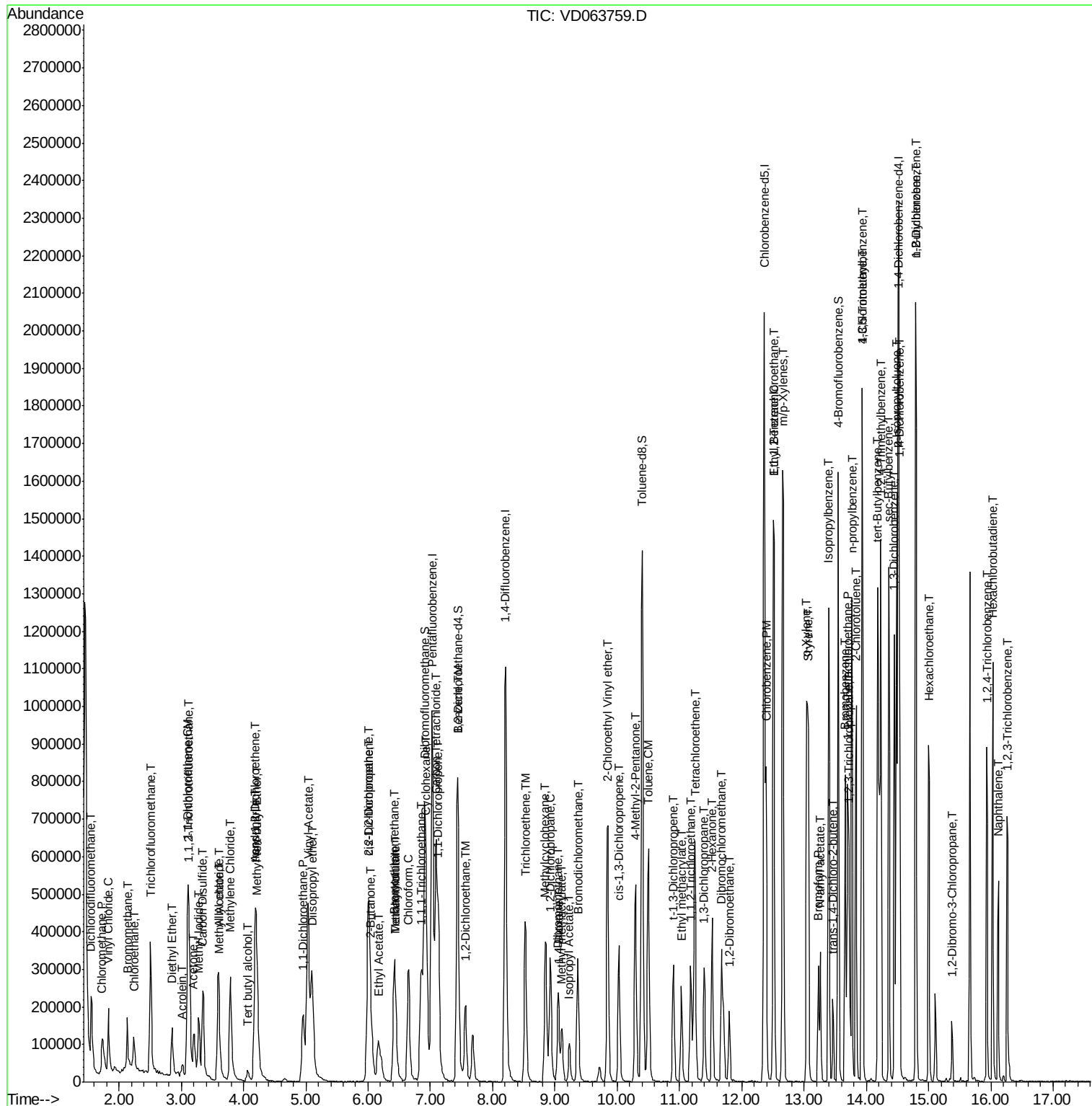
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	240961	23.344	ug/l	95
94) Hexachlorobutadiene	16.03	225	175849	22.353	ug/l	96
95) Naphthalene	16.12	128	339079	21.675	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	196492	23.568	ug/l	96

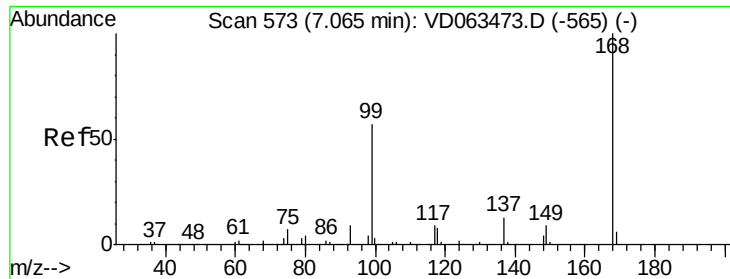
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 26 01:05:14 2019
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

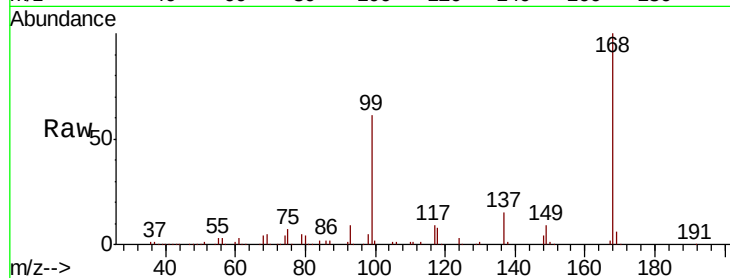
VD0823SBSD02

Tgt Ion:168 Resp: 953935

Ion Ratio Lower Upper

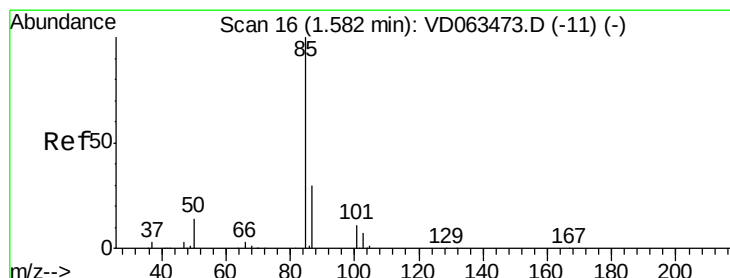
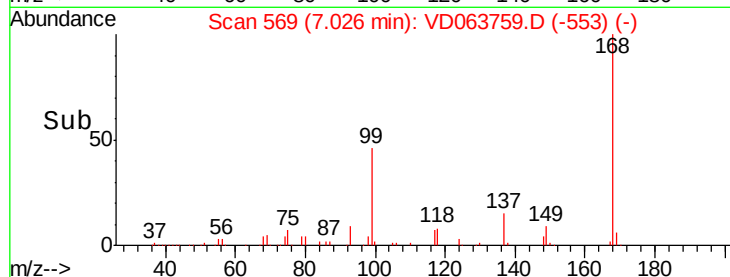
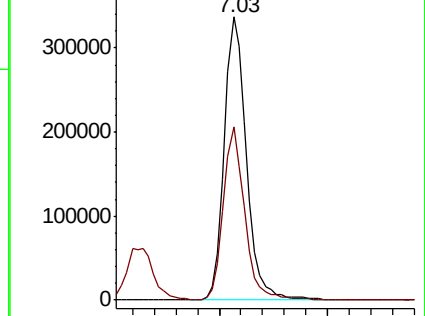
168 100

99 61.1 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: 17.323 ug/l

RT: 1.55 min Scan# 13

Delta R.T. -0.03 min

Lab File: VD063759.D

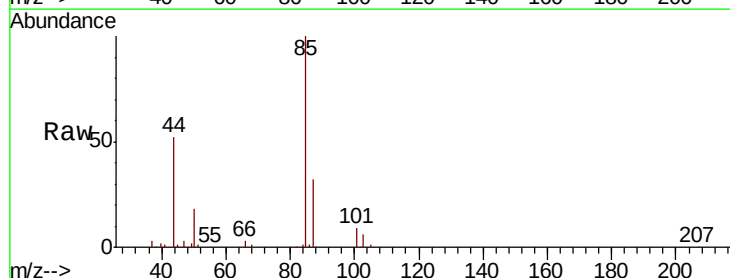
Acq: 23 Aug 2019 12:00

Tgt Ion: 85 Resp: 199928

Ion Ratio Lower Upper

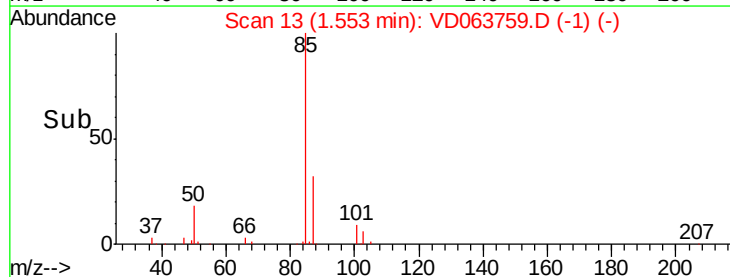
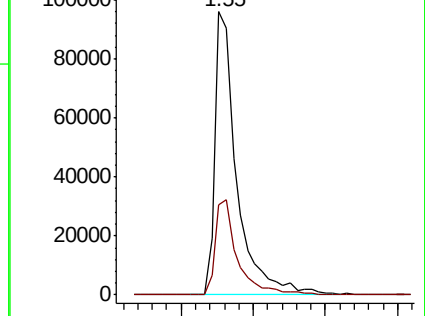
85 100

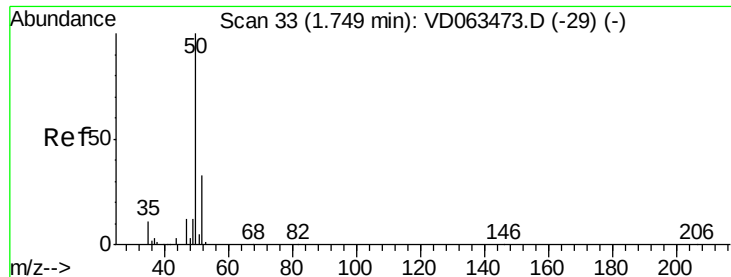
87 31.7 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.931 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

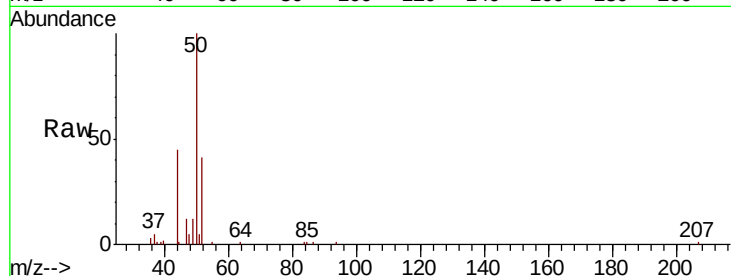
VD0823SBS02

Tgt Ion: 50 Resp: 152667

Ion Ratio Lower Upper

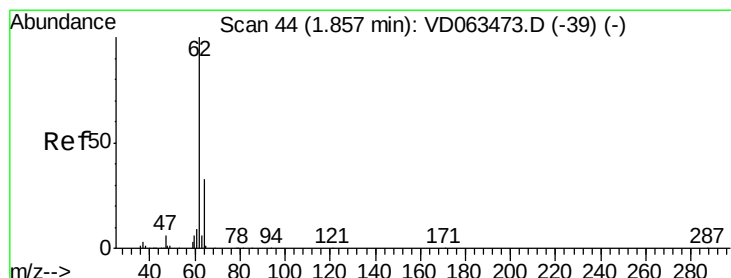
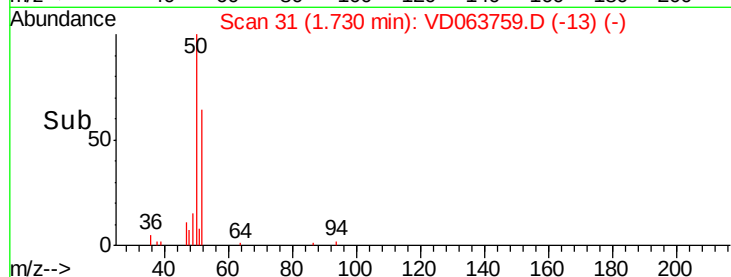
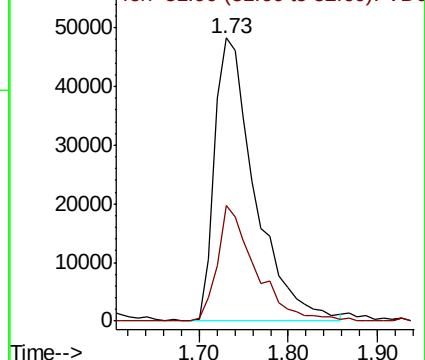
50 100

52 40.9 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: 17.927 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.03 min

Lab File: VD063759.D

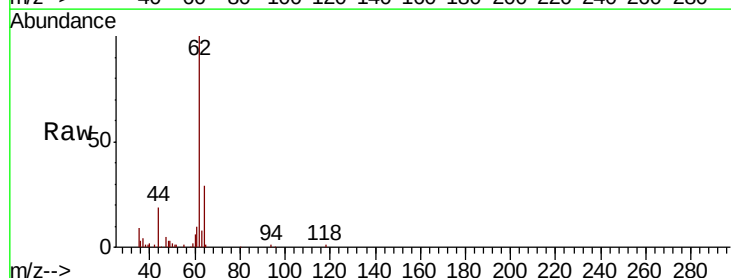
Acq: 23 Aug 2019 12:00

Tgt Ion: 62 Resp: 160469

Ion Ratio Lower Upper

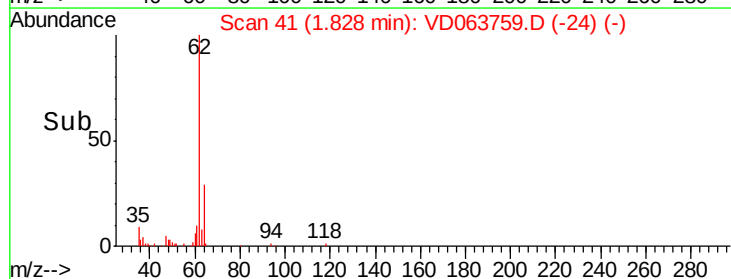
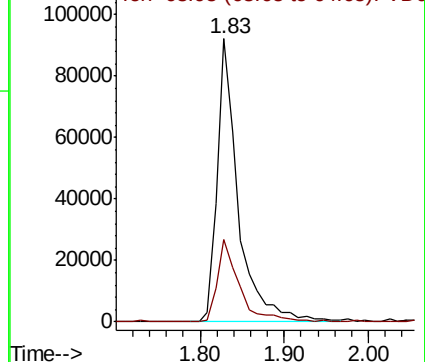
62 100

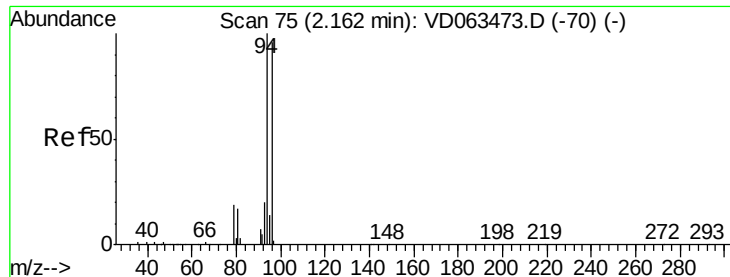
64 29.3 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.721 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

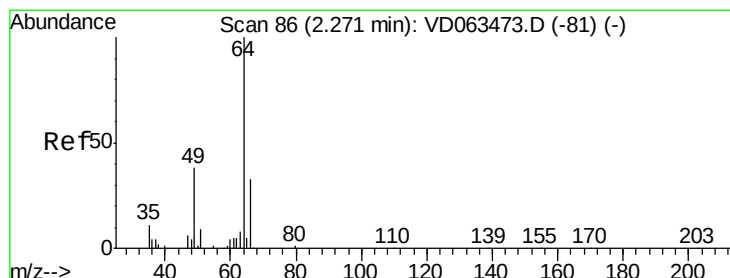
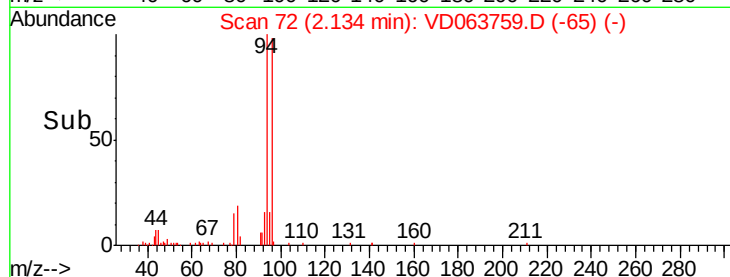
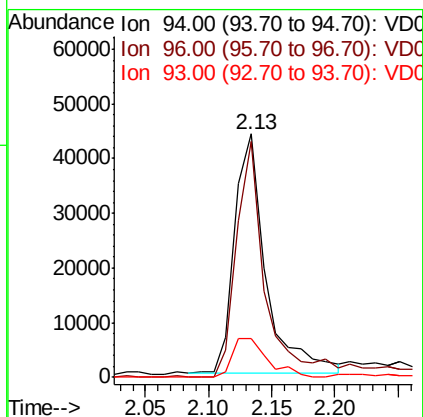
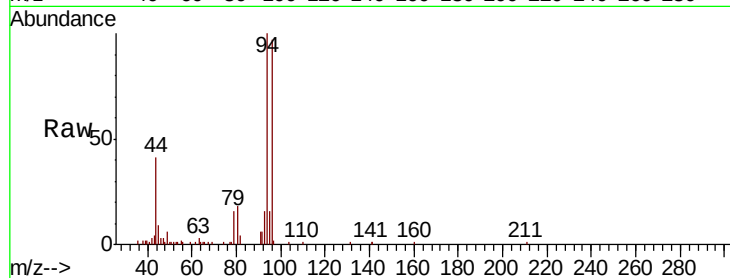
Tgt Ion: 94 Resp: 74850

Ion Ratio Lower Upper

94 100

96 96.8 76.5 114.7

93 15.8 15.8 23.8#



#6

Chloroethane

Concen: 18.955 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063759.D

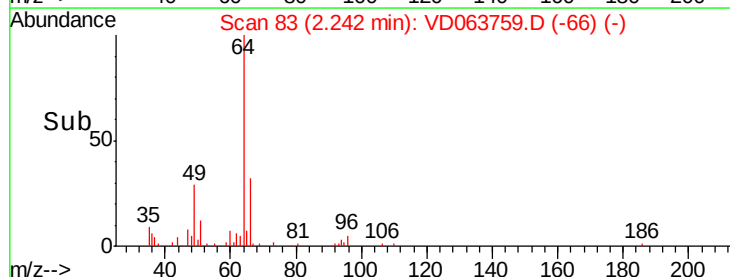
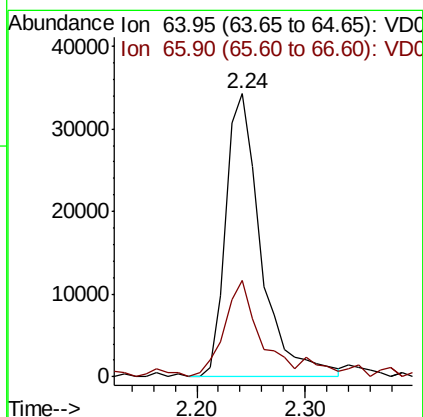
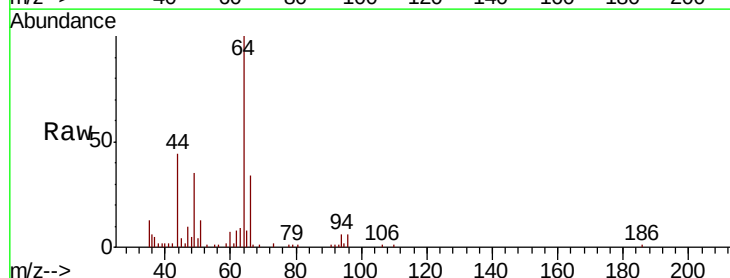
Acq: 23 Aug 2019 12:00

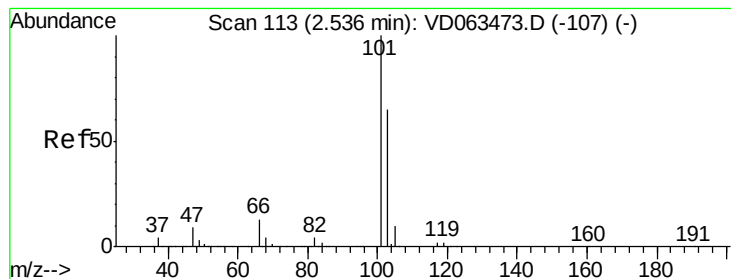
Tgt Ion: 64 Resp: 77591

Ion Ratio Lower Upper

64 100

66 34.0 26.3 39.5



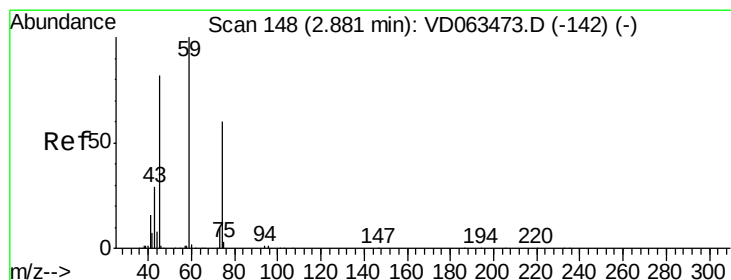
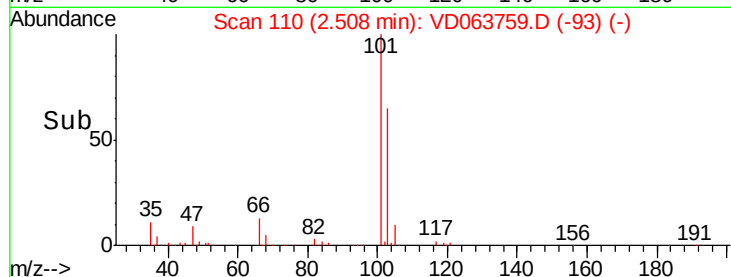
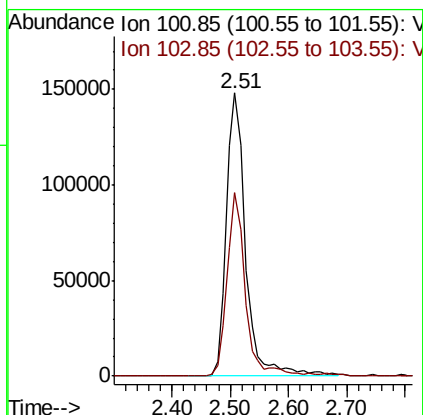
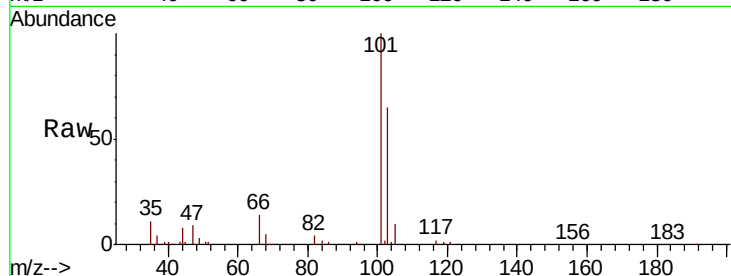


#7

Trichlorofluoromethane
 Concen: 19.425 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

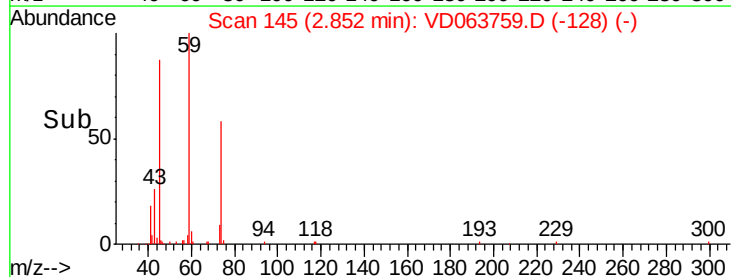
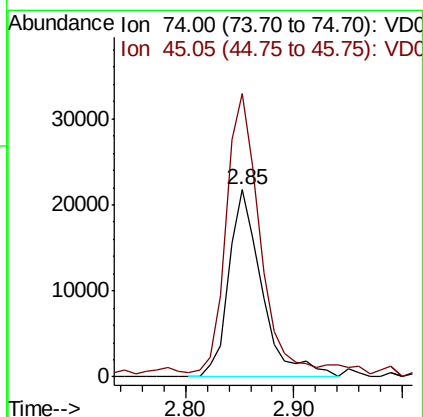
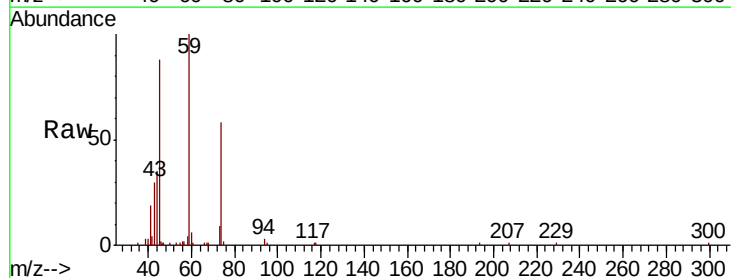
Tgt Ion: 101 Resp: 341058
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.4

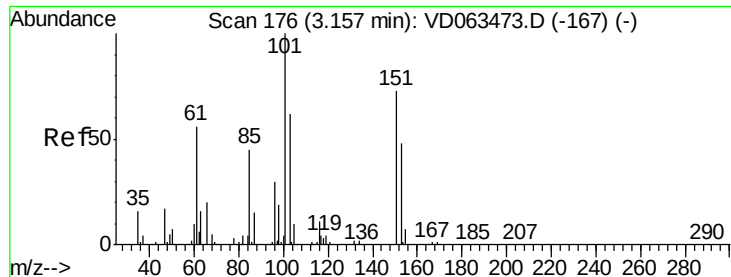


#8

Diethyl Ether
 Concen: 18.705 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 74 Resp: 46369
 Ion Ratio Lower Upper
 74 100
 45 151.2 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.915 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

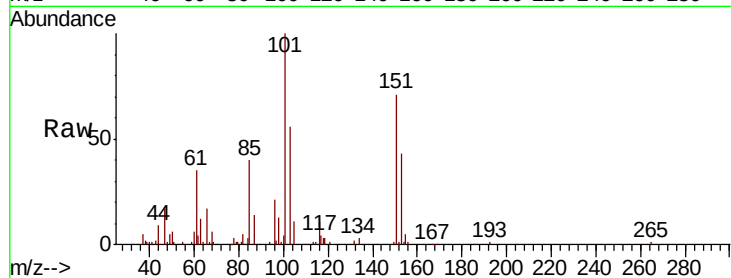
Tgt Ion:101 Resp: 206474

Ion Ratio Lower Upper

101 100

85 40.2 35.8 53.6

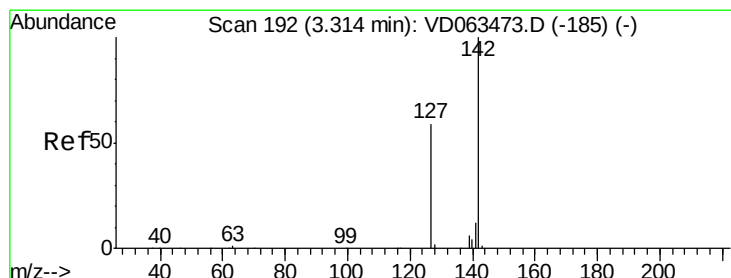
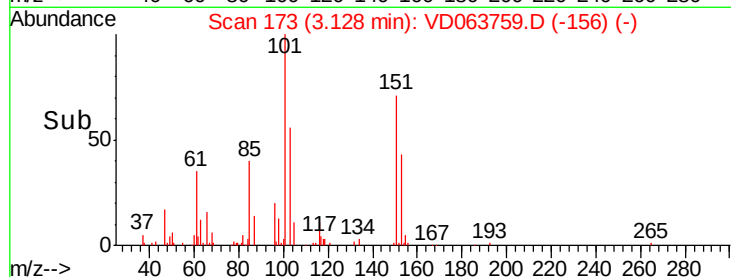
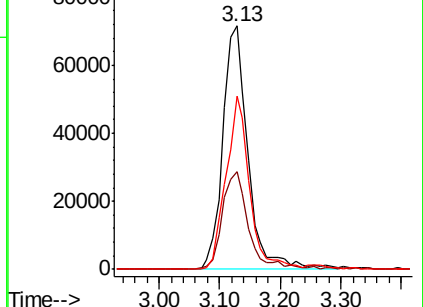
151 71.2 58.6 88.0



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: 16.085 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

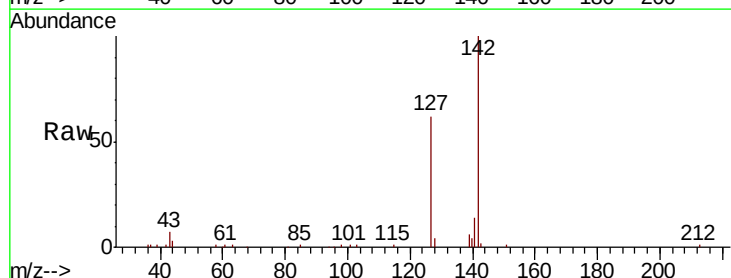
Tgt Ion:142 Resp: 235962

Ion Ratio Lower Upper

142 100

127 61.5 47.2 70.8

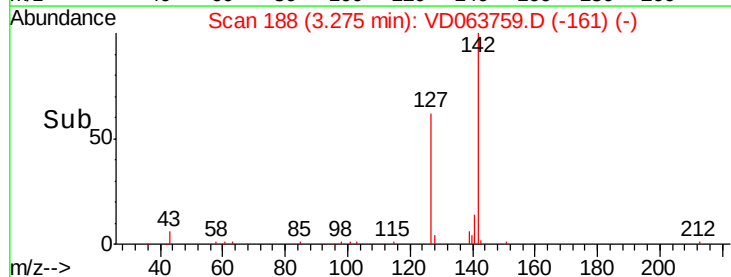
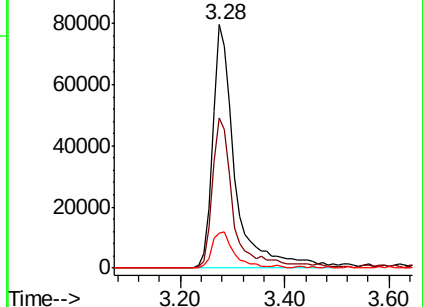
141 14.4 9.8 14.8

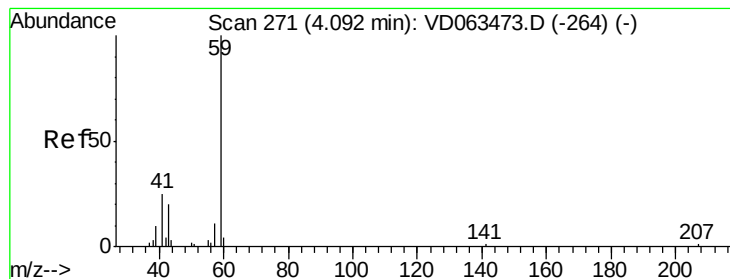


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 102.985 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

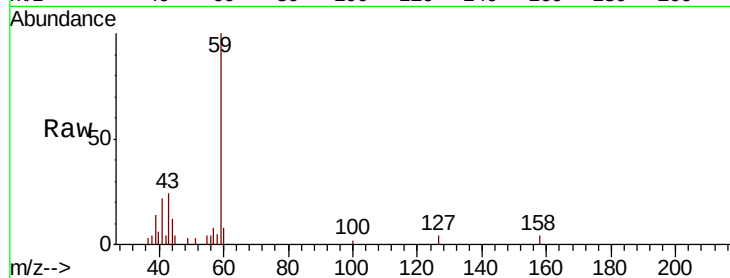
VD0823SBSD02

Tgt Ion: 59 Resp: 45714

Ion Ratio Lower Upper

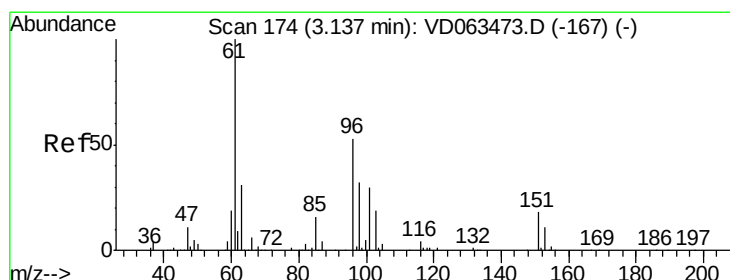
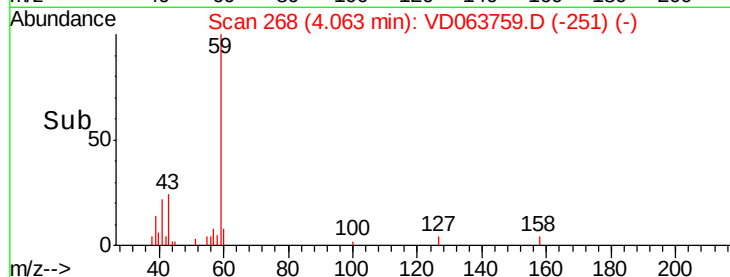
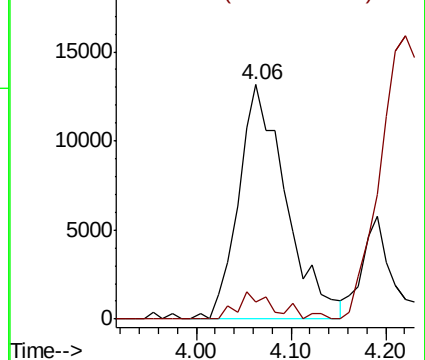
59 100

57 7.6 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 19.622 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

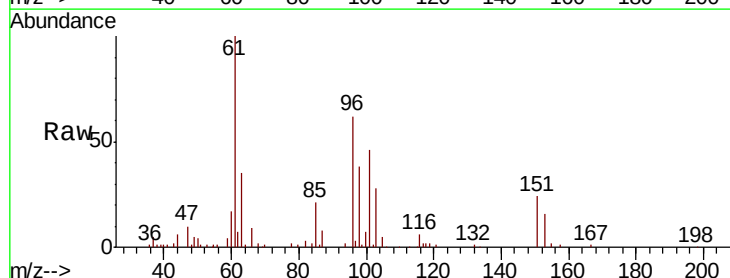
Tgt Ion: 96 Resp: 151249

Ion Ratio Lower Upper

96 100

61 161.2 151.7 227.5

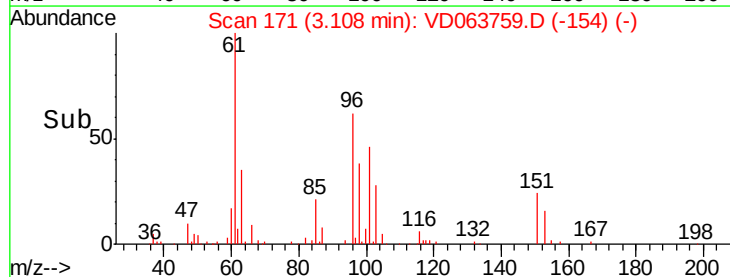
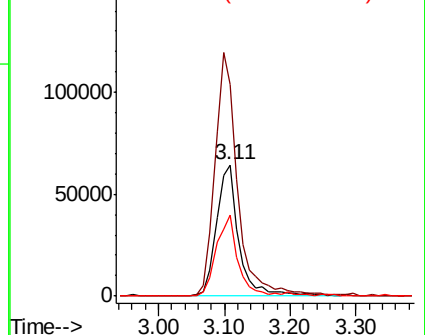
98 61.9 48.4 72.6

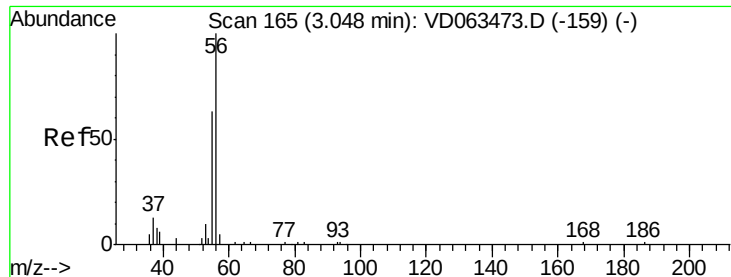


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 68.087 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

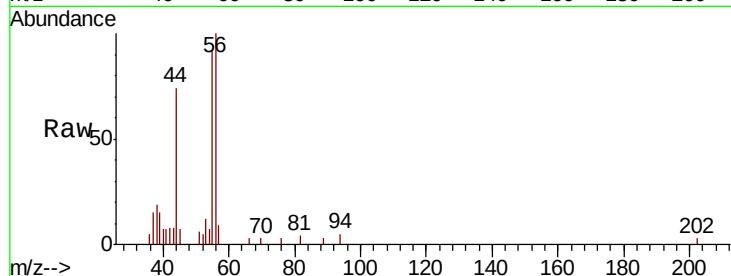
VD0823SBS02

Tgt Ion: 56 Resp: 29749

Ion Ratio Lower Upper

56 100

55 92.2 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

12000

10000

8000

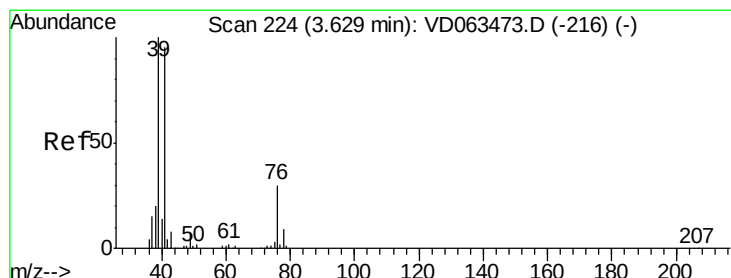
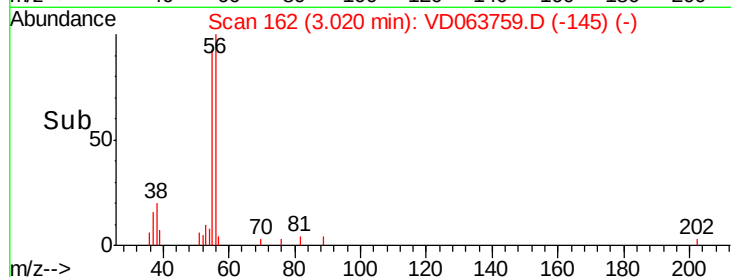
6000

4000

2000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 19.591 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

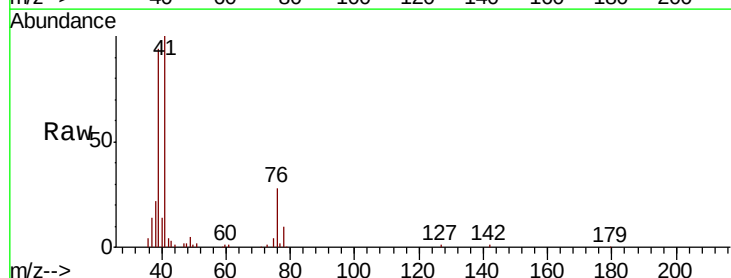
Tgt Ion: 41 Resp: 227010

Ion Ratio Lower Upper

41 100

39 93.9 84.2 126.4

76 27.8 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

3.59

120000

100000

80000

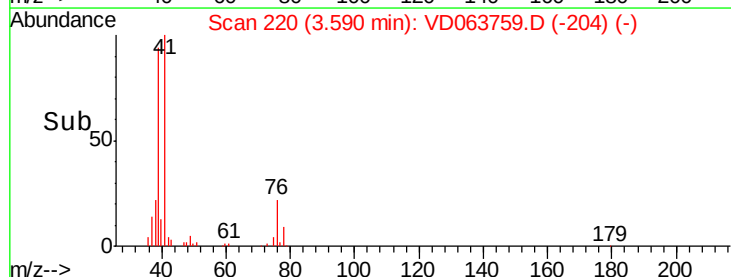
60000

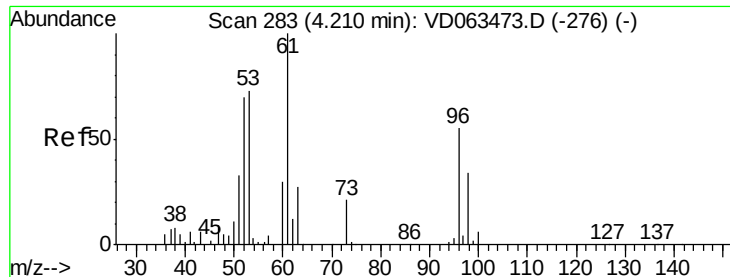
40000

20000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 100.208 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

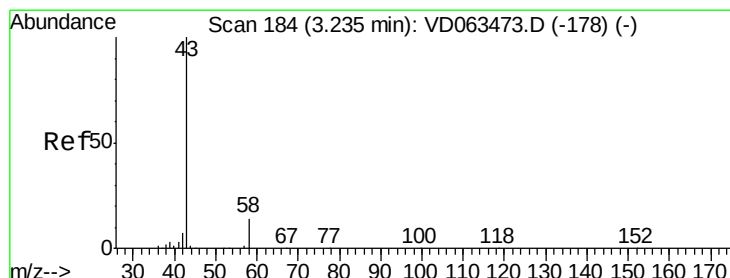
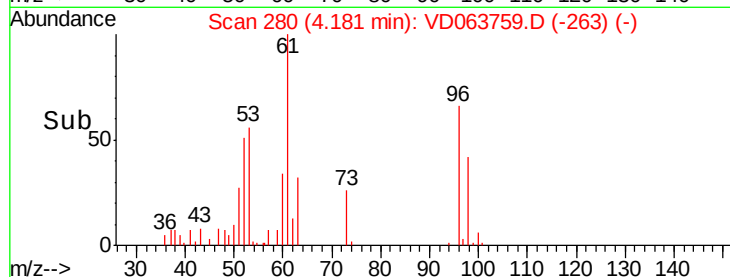
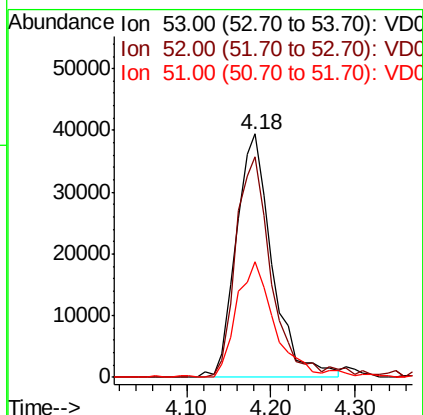
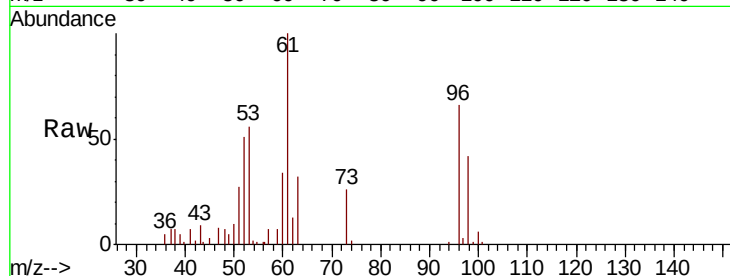
Tgt Ion: 53 Resp: 117820

Ion Ratio Lower Upper

53 100

52 90.8 77.4 116.0

51 47.5 36.7 55.1



#16

Acetone

Concen: 98.264 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063759.D

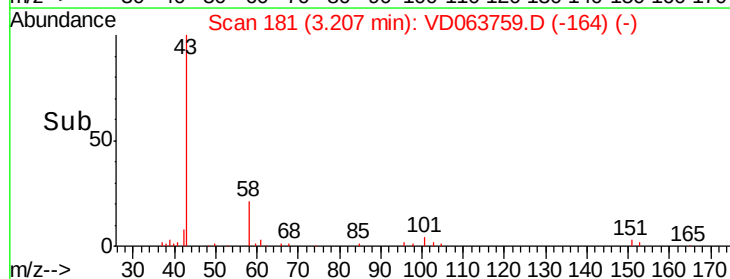
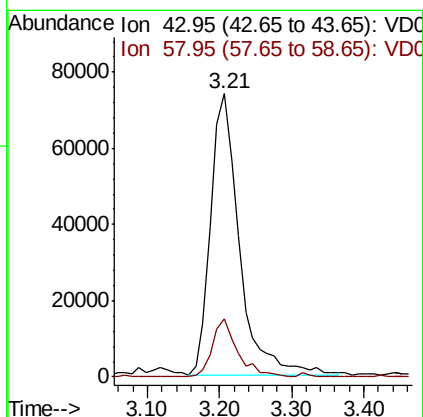
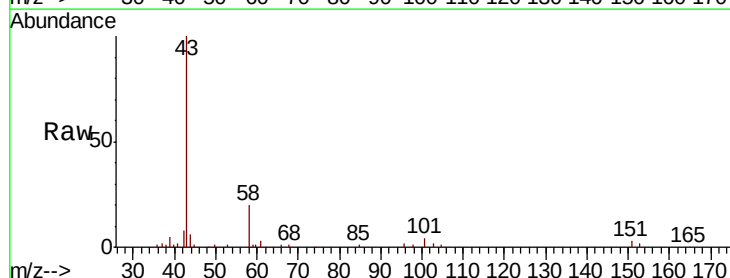
Acq: 23 Aug 2019 12:00

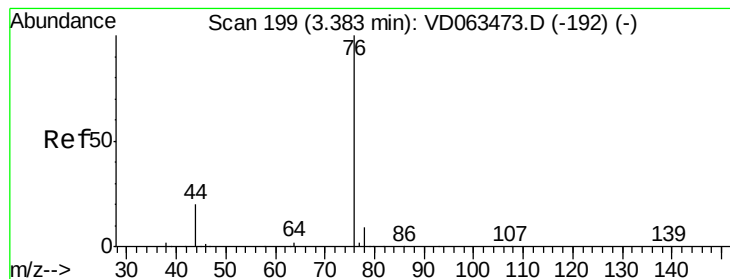
Tgt Ion: 43 Resp: 203683

Ion Ratio Lower Upper

43 100

58 20.4 11.4 17.2#





#17

Carbon Disulfide

Concen: 16.680 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

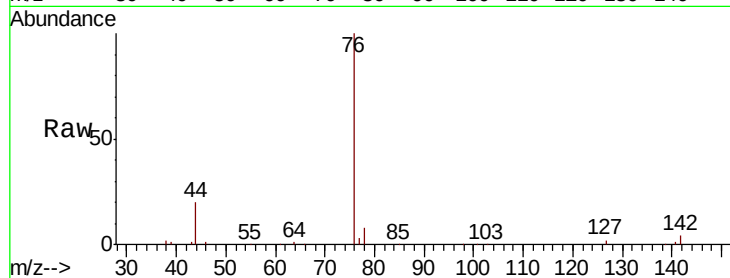
VD0823SBSD02

Tgt Ion: 76 Resp: 405783

Ion Ratio Lower Upper

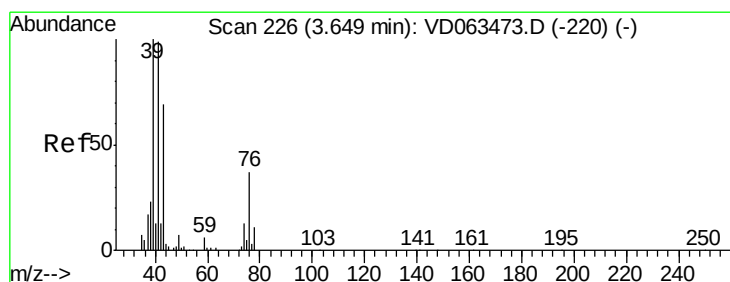
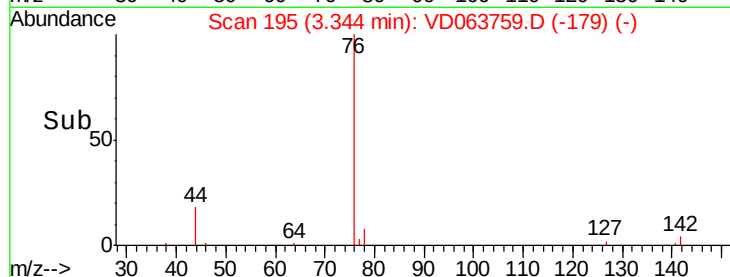
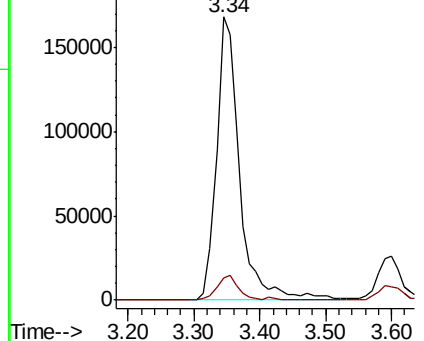
76 100

78 8.0 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.629 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.03 min

Lab File: VD063759.D

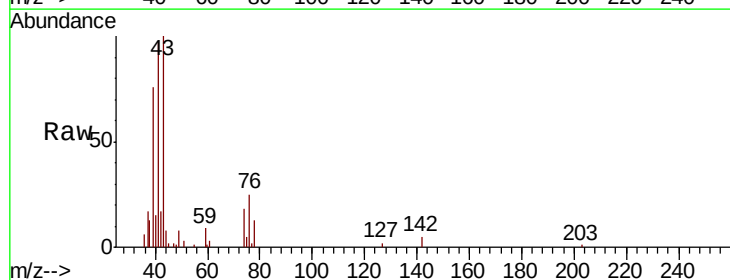
Acq: 23 Aug 2019 12:00

Tgt Ion: 43 Resp: 80992

Ion Ratio Lower Upper

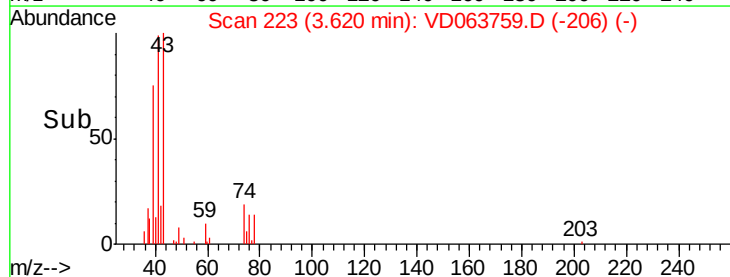
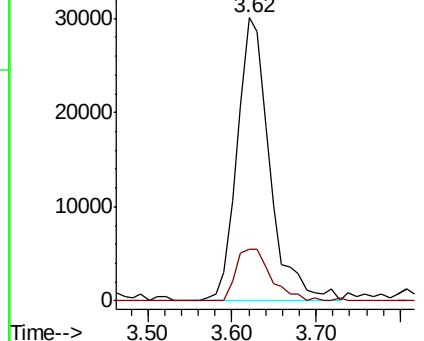
43 100

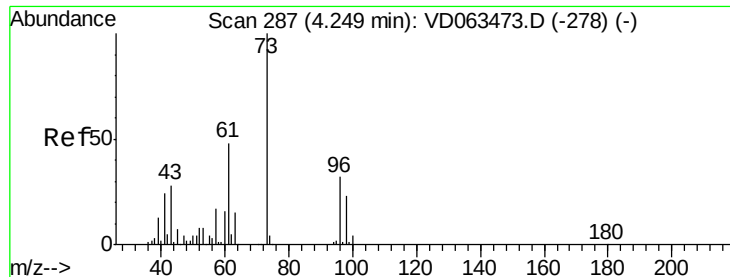
74 18.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 20.266 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

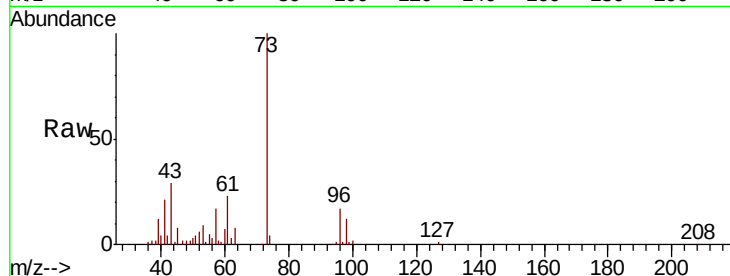
VD0823SBSD02

Tgt Ion: 73 Resp: 312410

Ion Ratio Lower Upper

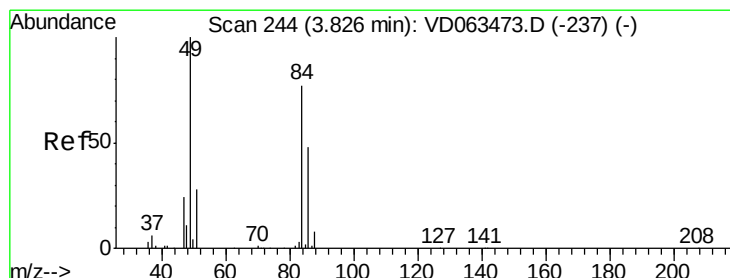
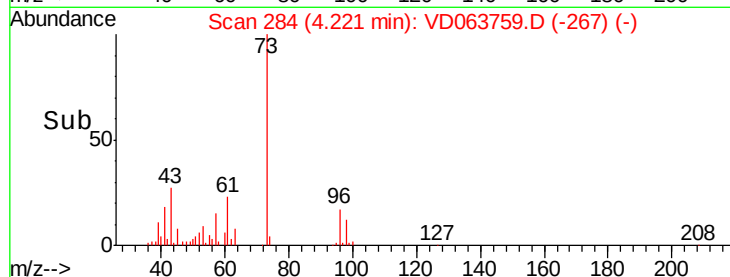
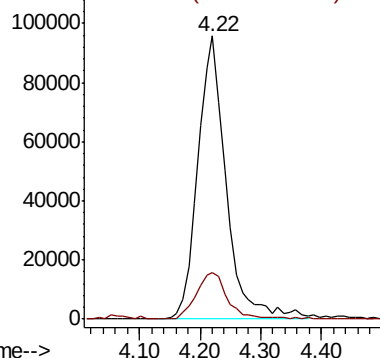
73 100

57 16.6 14.0 21.0



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 18.984 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Tgt Ion: 84 Resp: 170153

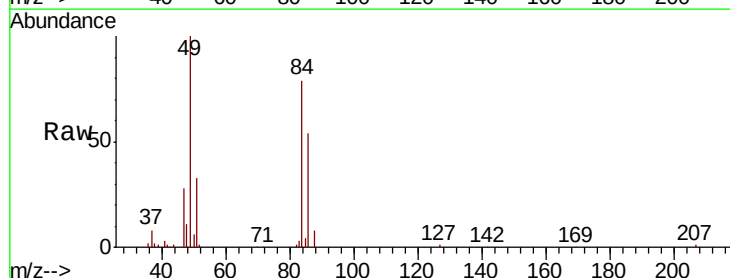
Ion Ratio Lower Upper

84 100

49 126.2 103.4 155.2

51 41.3 28.5 42.7

86 68.3 49.4 74.2

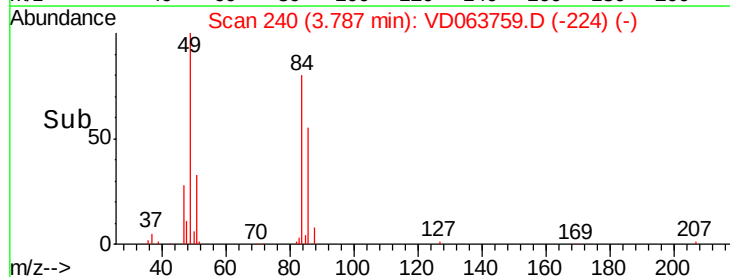
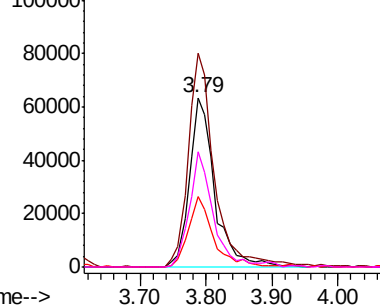


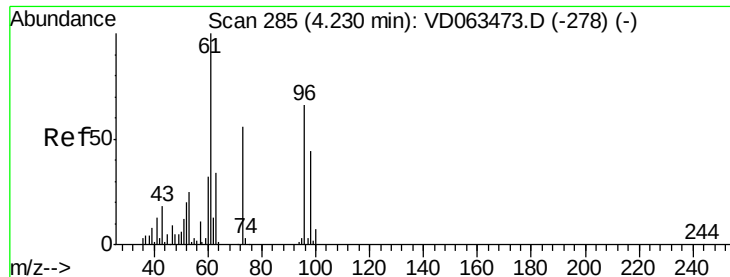
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 18.893 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

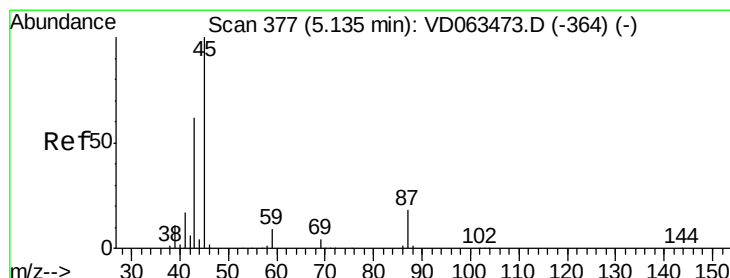
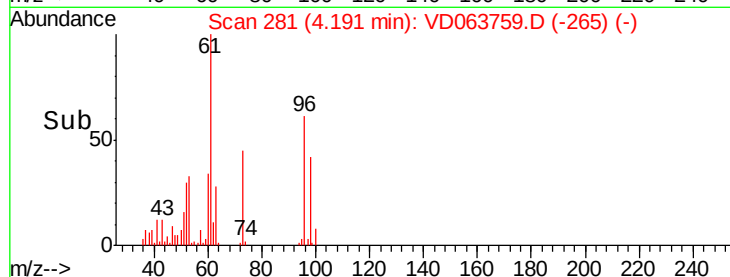
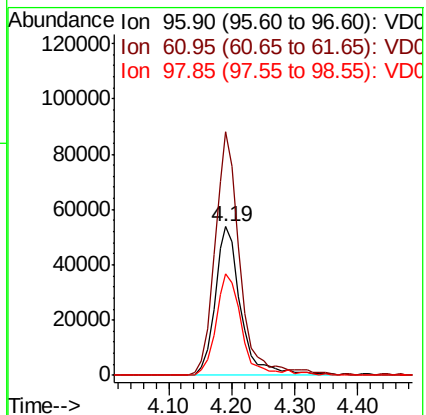
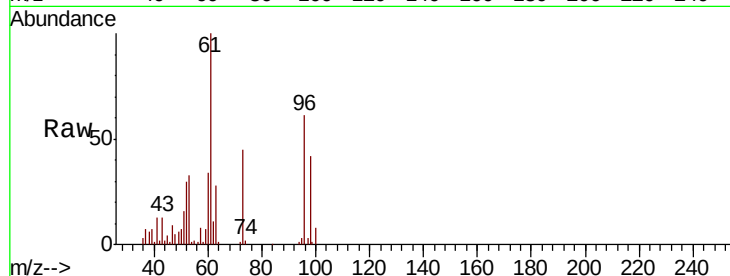
Tgt Ion: 96 Resp: 153250

Ion Ratio Lower Upper

96 100

61 163.6 121.7 182.5

98 68.0 54.2 81.2



#22

Diisopropyl ether

Concen: 18.384 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Tgt Ion: 45 Resp: 439598

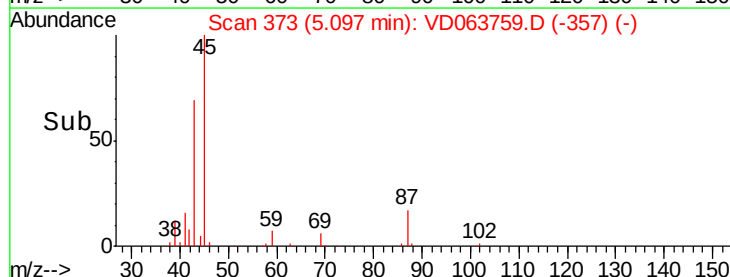
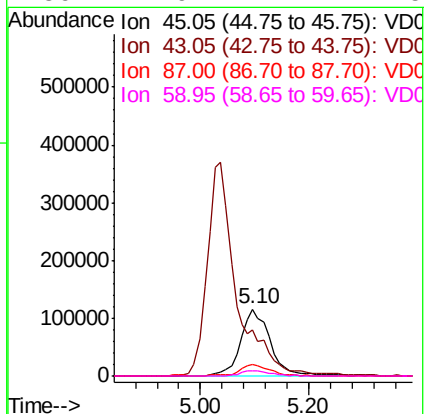
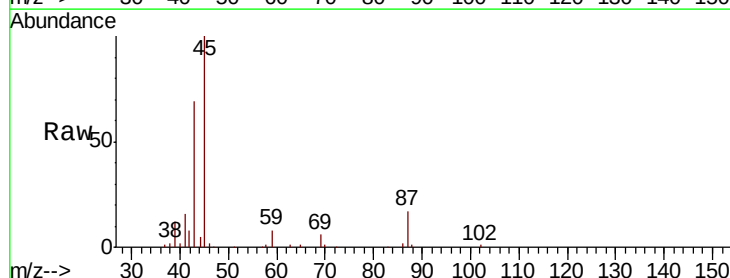
Ion Ratio Lower Upper

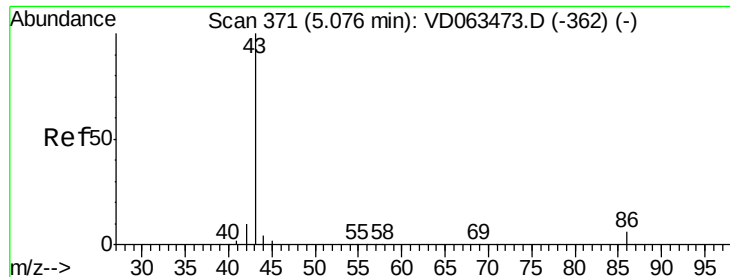
45 100

43 69.1 50.3 75.5

87 16.9 14.3 21.5

59 7.9 7.7 11.5

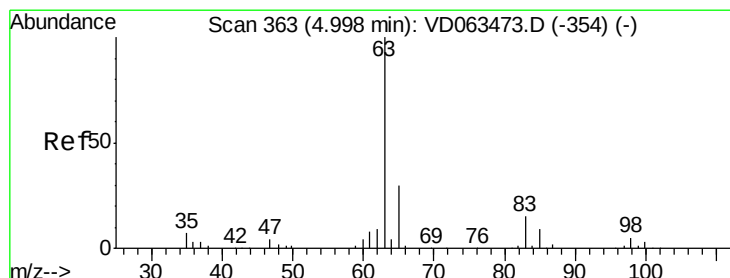
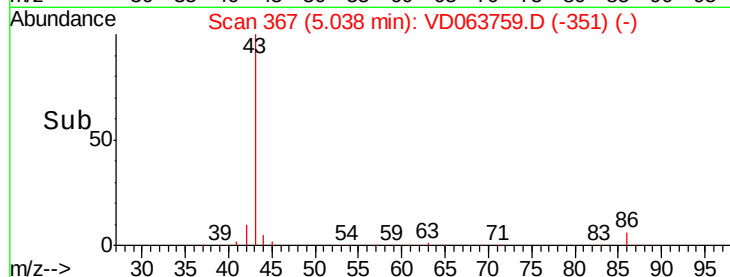
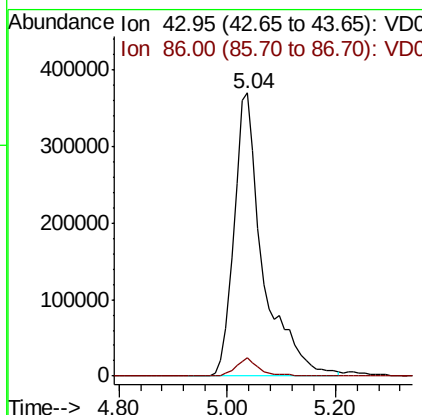
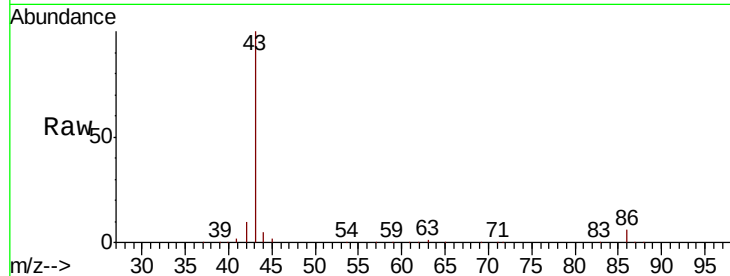




#23
 Vinyl Acetate
 Concen: 99.386 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.04 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

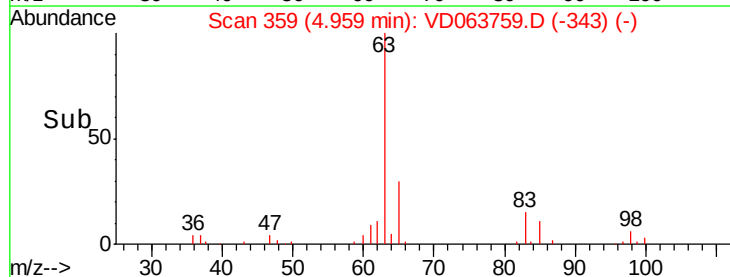
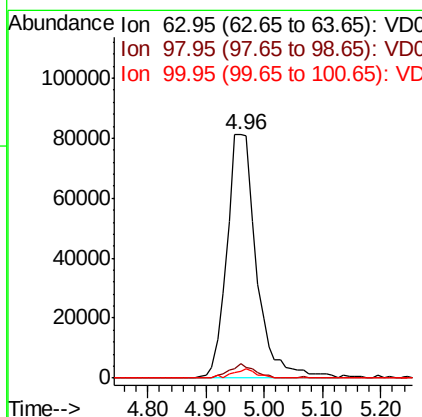
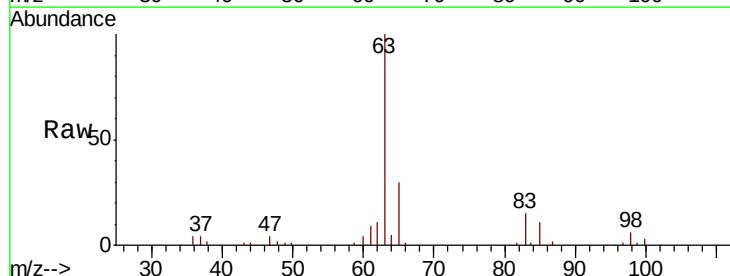
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

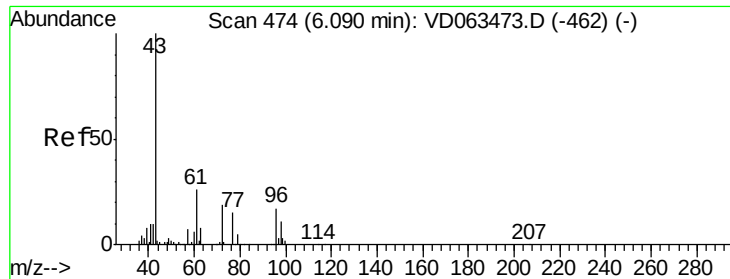
Tgt Ion: 43 Resp: 1381569
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 19.413 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.04 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 63 Resp: 287906
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.4 7.2
 100 3.0 1.3 3.8





#25

2-Butanone

Concen: 101.812 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

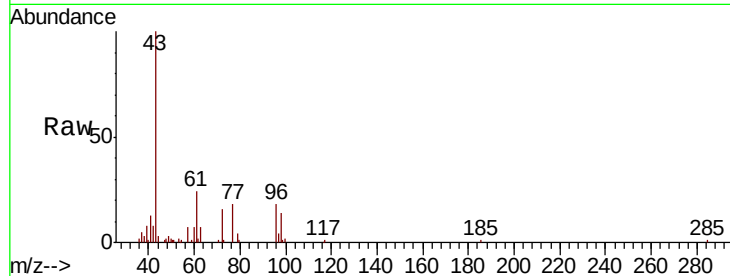
VD0823SBS02

Tgt Ion: 43 Resp: 208428

Ion Ratio Lower Upper

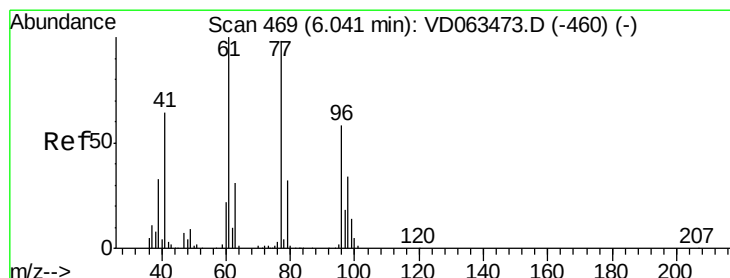
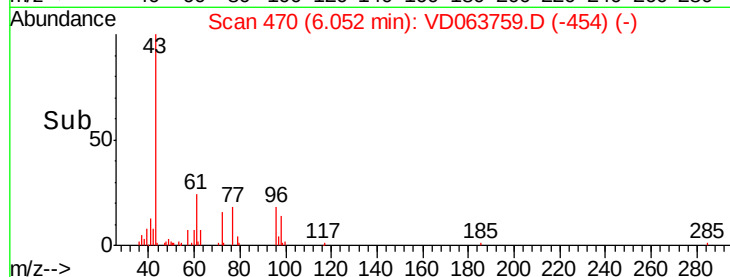
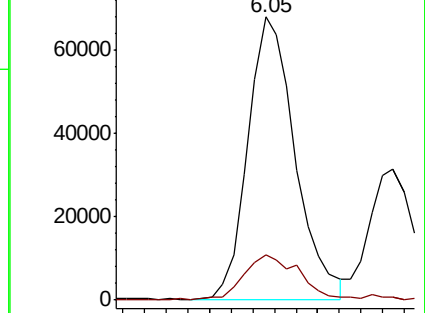
43 100

72 16.2 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: 20.129 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063759.D

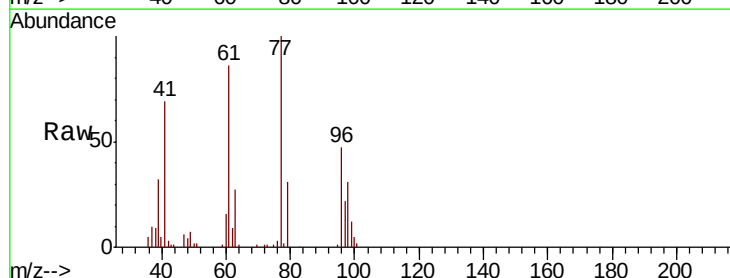
Acq: 23 Aug 2019 12:00

Tgt Ion: 77 Resp: 297348

Ion Ratio Lower Upper

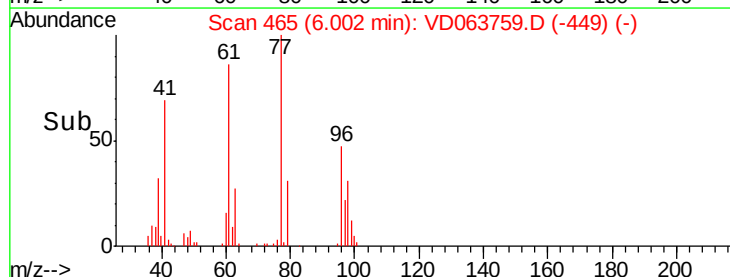
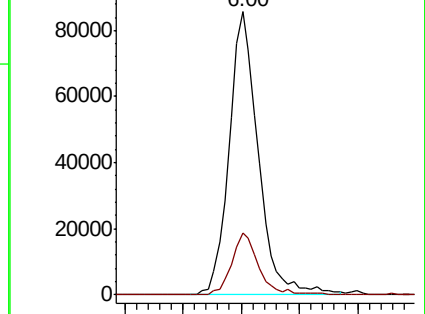
77 100

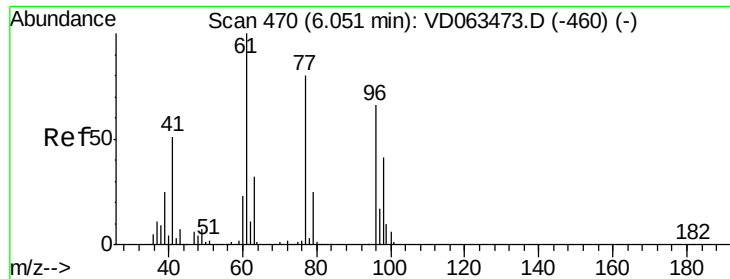
97 22.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



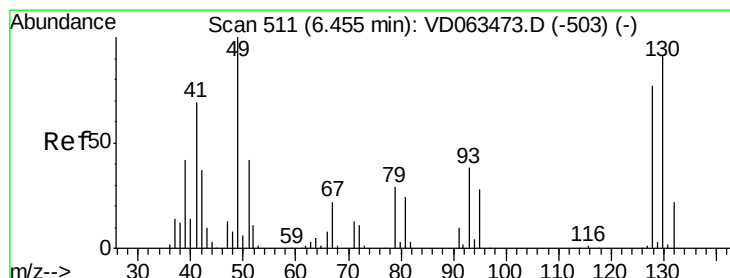
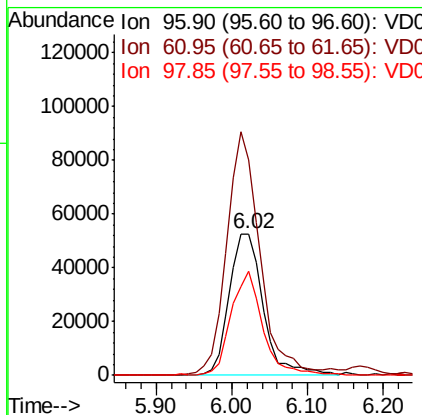
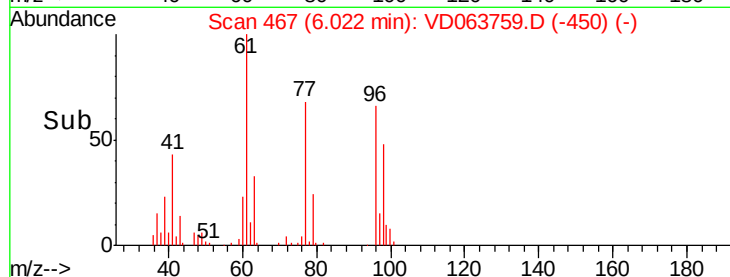
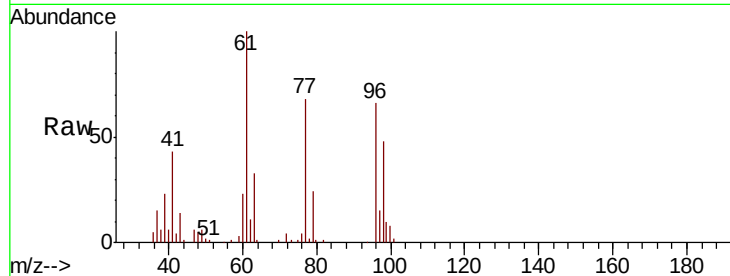


#27

cis-1,2-Dichloroethene
Concen: 18.417 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

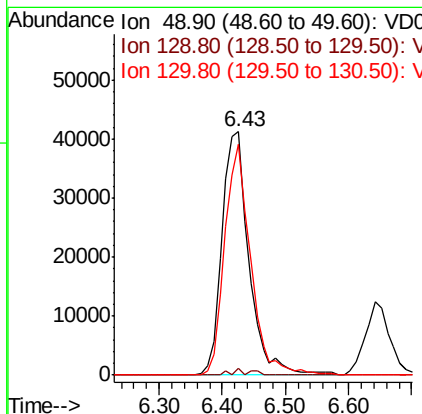
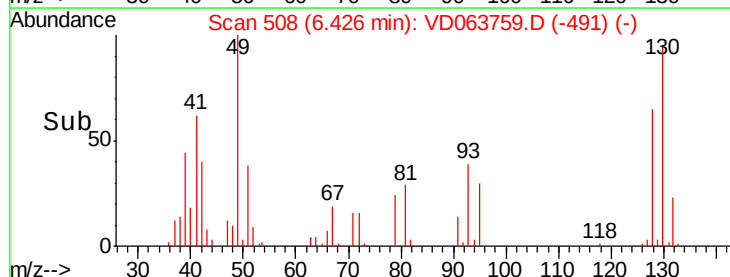
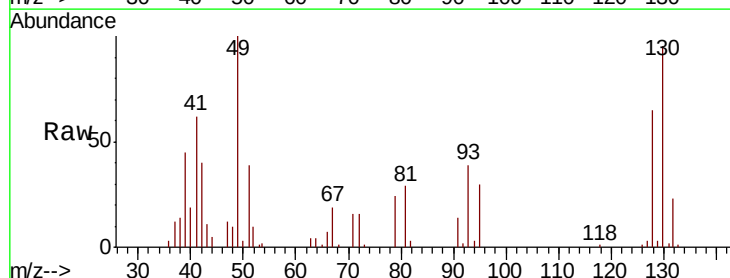
Tgt Ion: 96 Resp: 163443
Ion Ratio Lower Upper
96 100
61 151.9 0.0 304.0
98 73.6 0.0 124.8

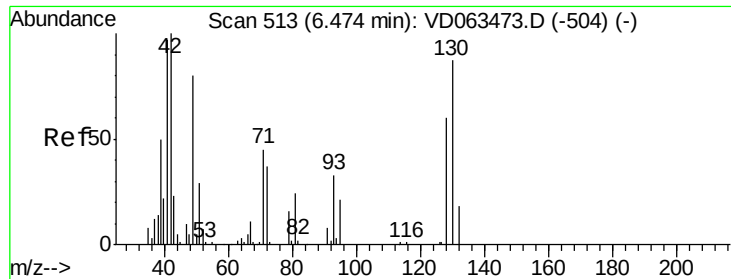


#28

Bromochloromethane
Concen: 20.455 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 49 Resp: 122948
Ion Ratio Lower Upper
49 100
129 2.6 0.0 6.4
130 95.0 72.4 108.6





#29

Tetrahydrofuran

Concen: 94.908 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

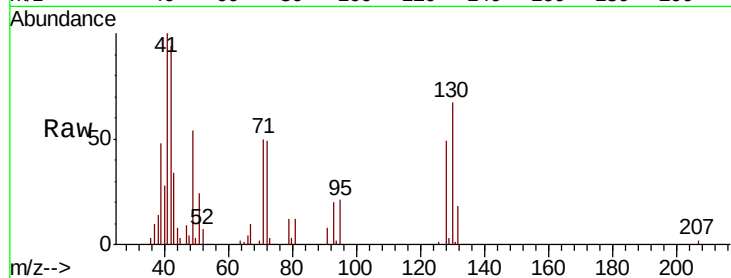
Tgt Ion: 42 Resp: 90536

Ion Ratio Lower Upper

42 100

72 41.9 31.5 47.3

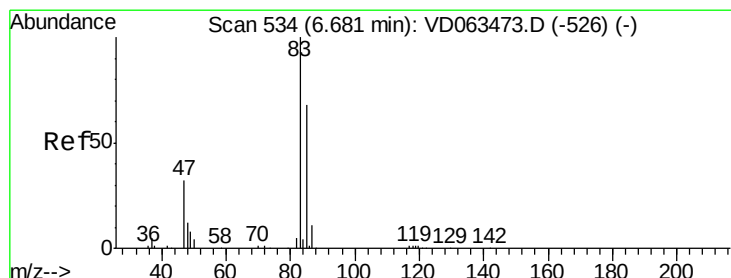
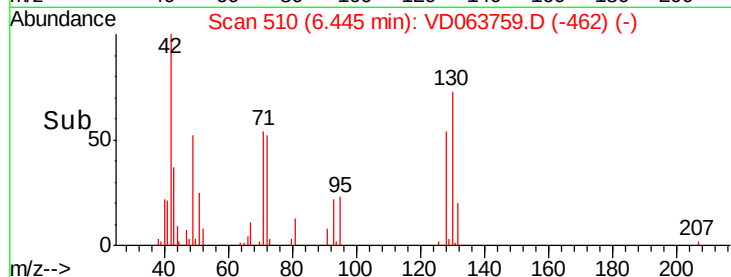
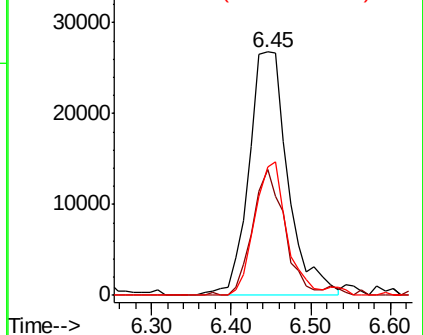
71 44.7 33.8 50.8



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: 18.833 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063759.D

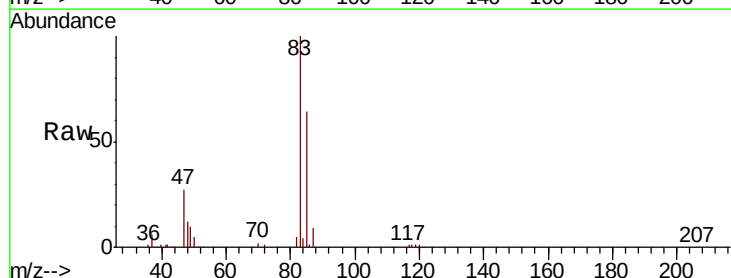
Acq: 23 Aug 2019 12:00

Tgt Ion: 83 Resp: 347164

Ion Ratio Lower Upper

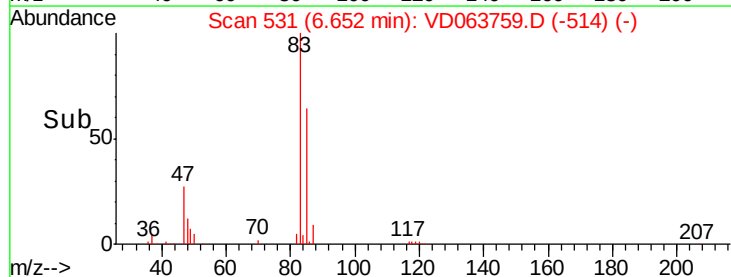
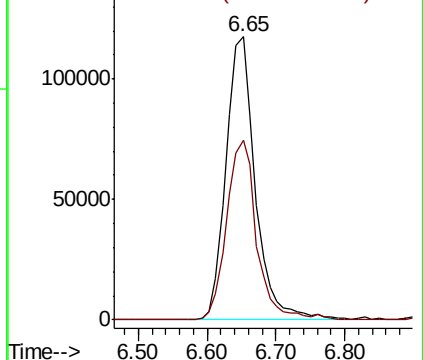
83 100

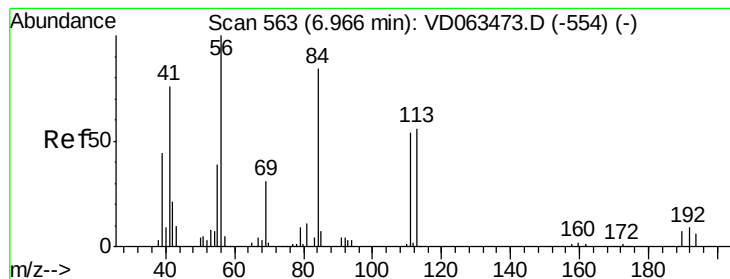
85 63.5 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.521 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS02

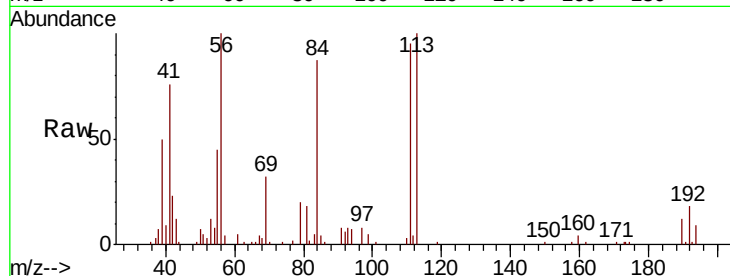
Tgt Ion: 56 Resp: 170524

Ion Ratio Lower Upper

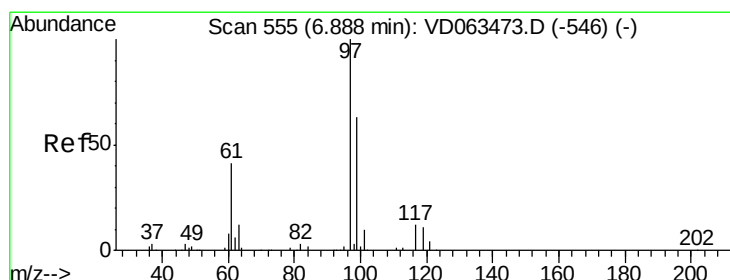
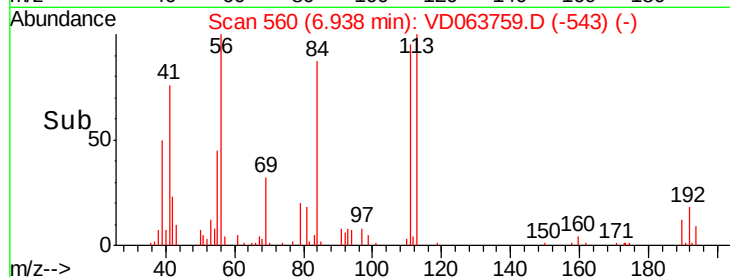
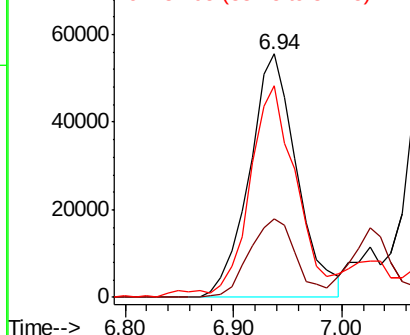
56 100

69 32.0 25.0 37.6

84 86.8 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: 18.931 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

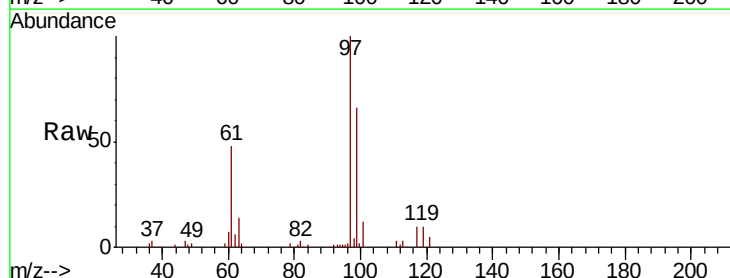
Tgt Ion: 97 Resp: 333818

Ion Ratio Lower Upper

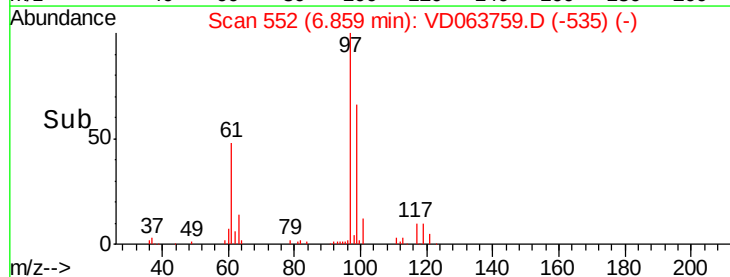
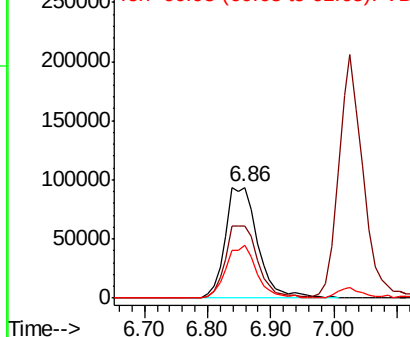
97 100

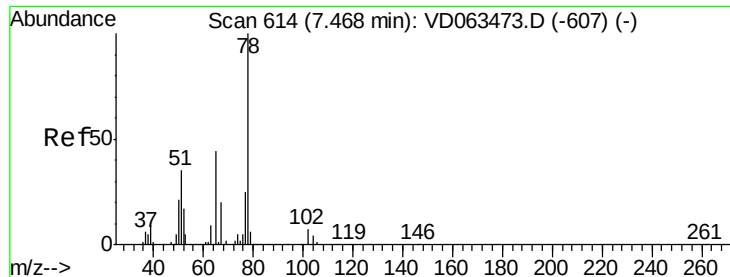
99 65.8 50.2 75.4

61 48.0 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

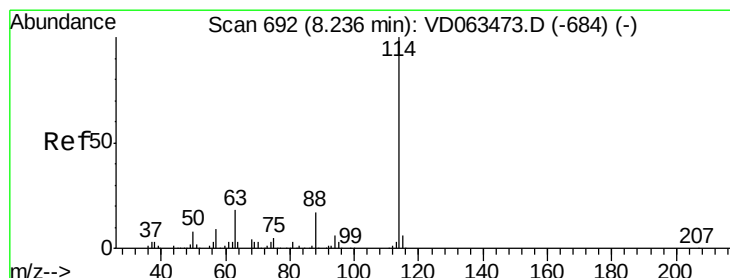
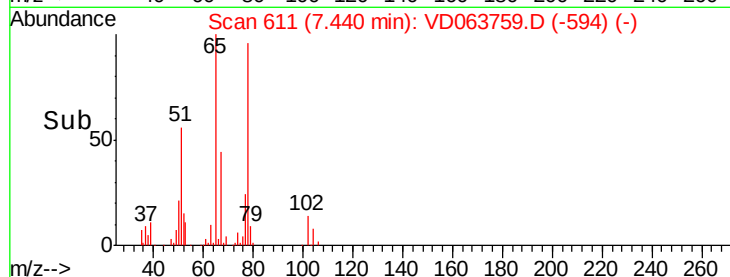
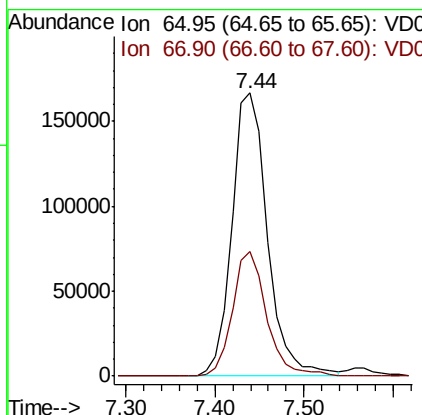
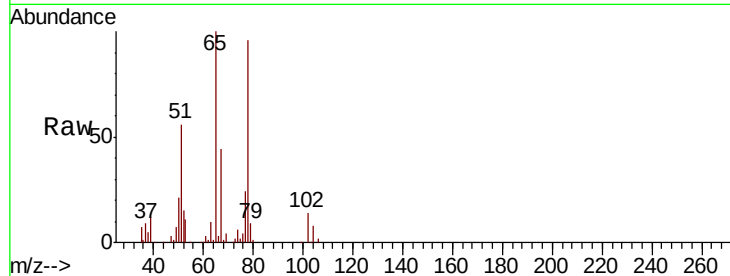




#33
 1,2-Dichloroethane-d4
 Concen: 45.400 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

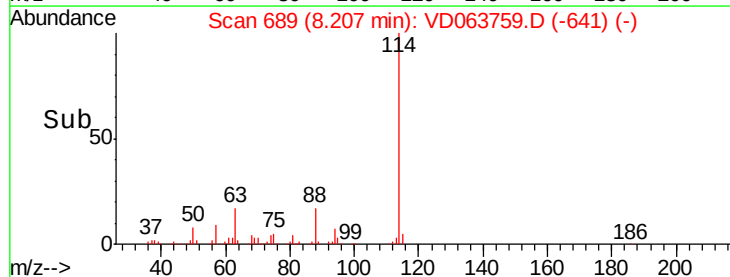
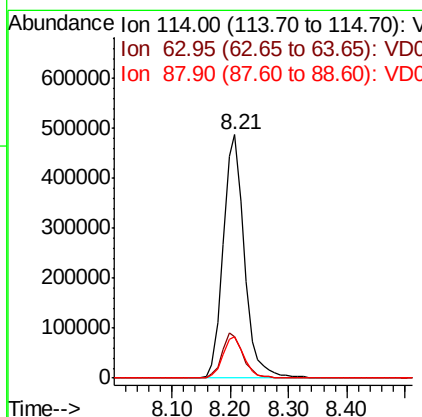
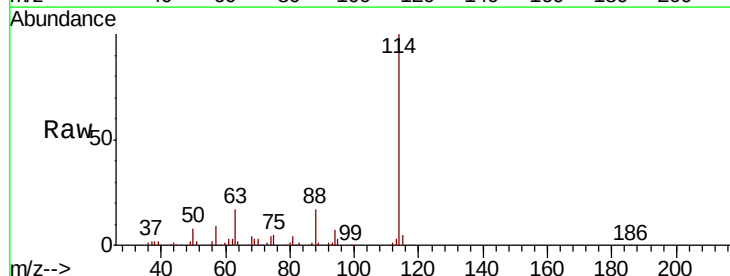
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

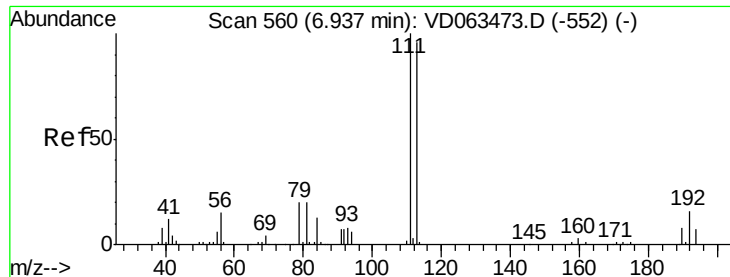
Tgt Ion: 65 Resp: 462941
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 114 Resp: 1228815
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 36.2
 88 17.0 0.0 35.0

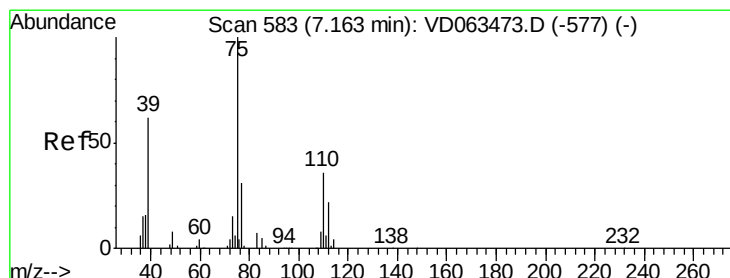
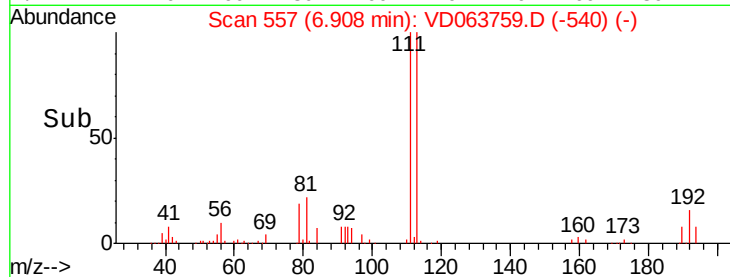
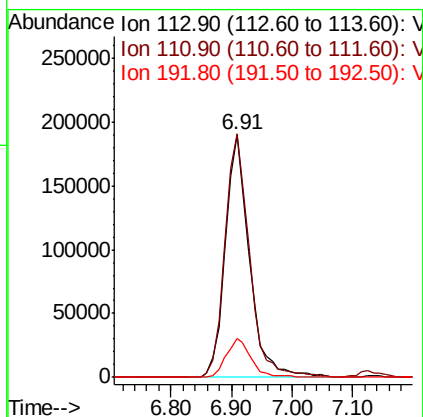
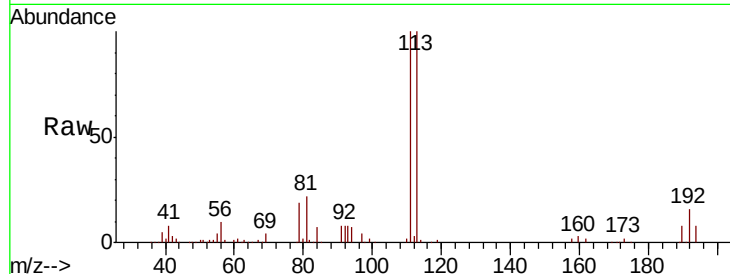




#35
 Dibromofluoromethane
 Concen: 50.777 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

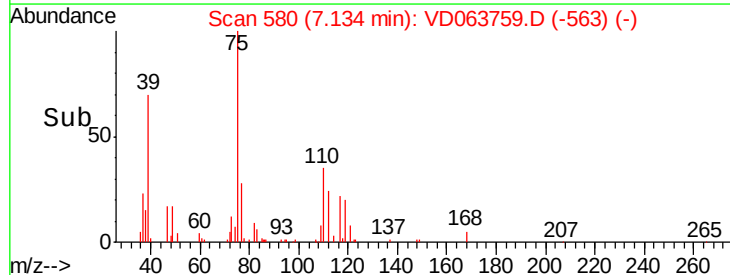
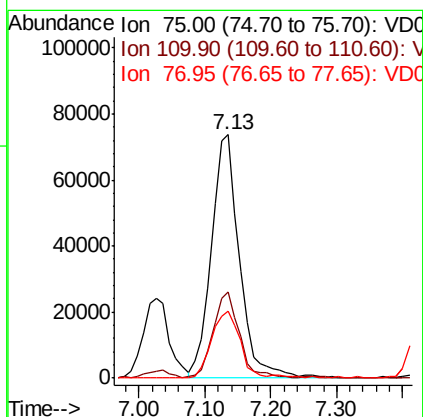
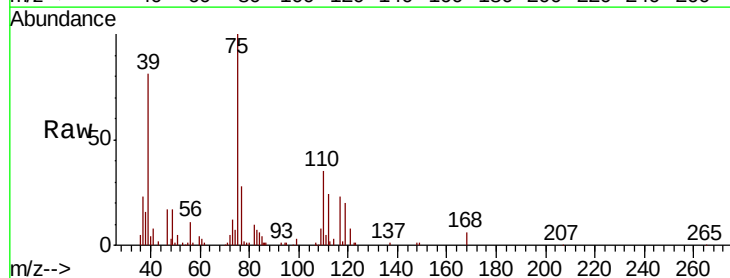
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

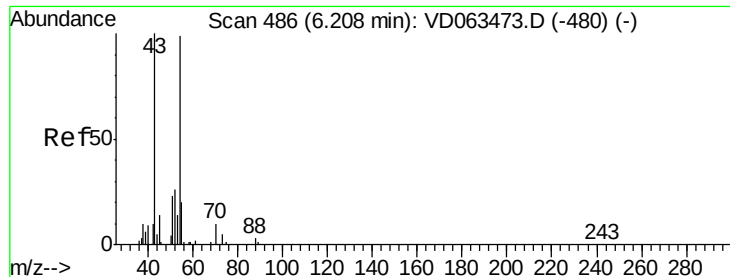
Tgt Ion:113 Resp: 525501
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.1 124.7
 192 15.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 19.938 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 75 Resp: 216589
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.6 52.8
 77 27.7 24.3 36.5

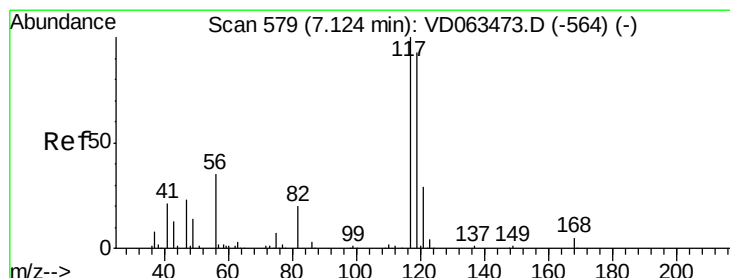
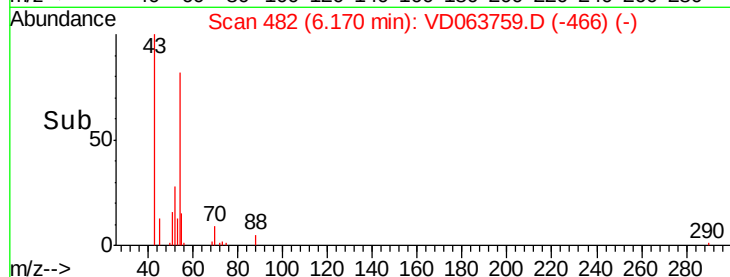
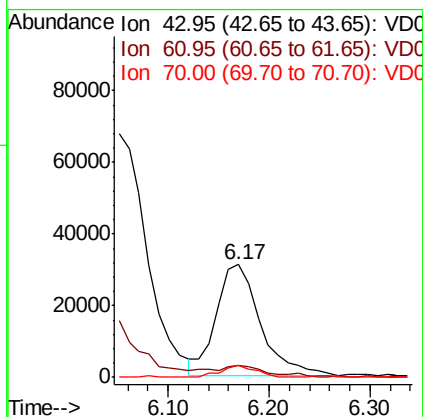
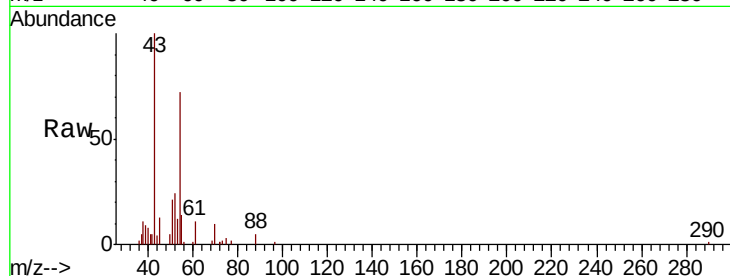




#37
Ethyl Acetate
Concen: 20.540 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

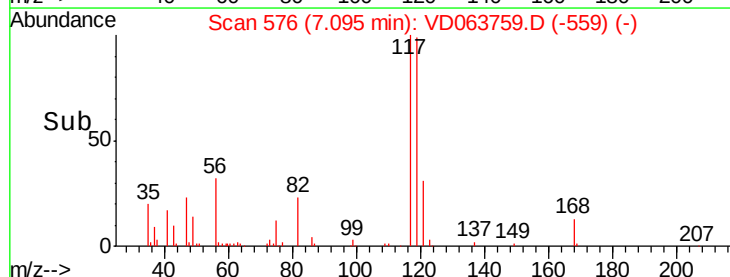
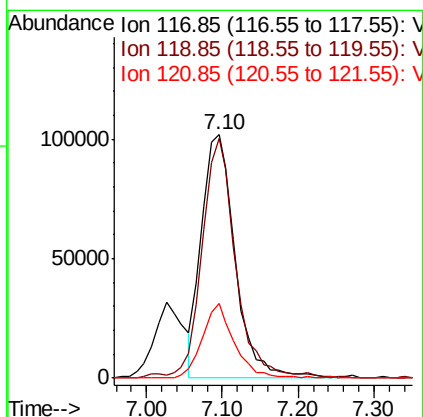
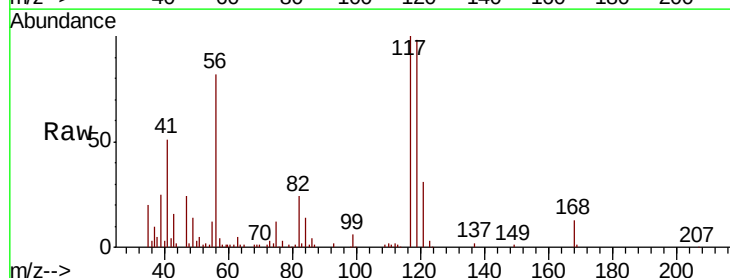
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

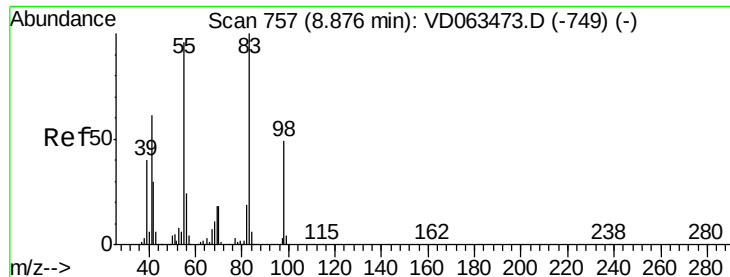
Tgt Ion: 43 Resp: 93496
Ion Ratio Lower Upper
43 100
61 11.0 9.0 13.6
70 10.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.109 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 117 Resp: 312857
Ion Ratio Lower Upper
117 100
119 98.2 74.2 111.2
121 30.6 23.1 34.7

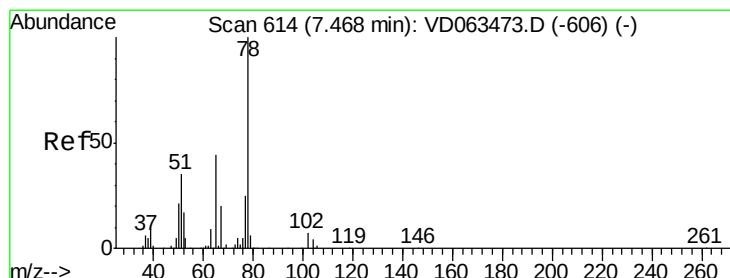
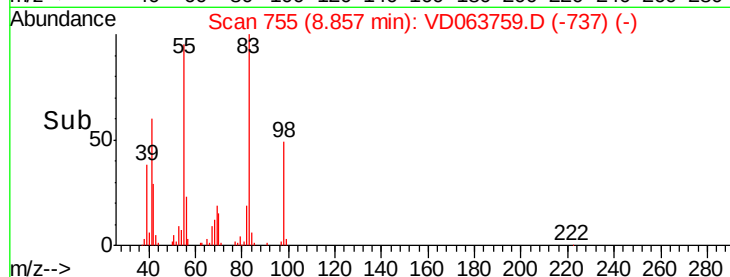
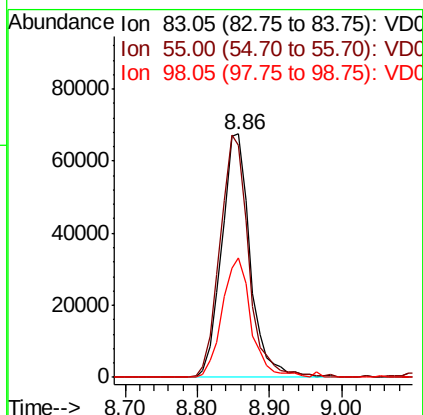
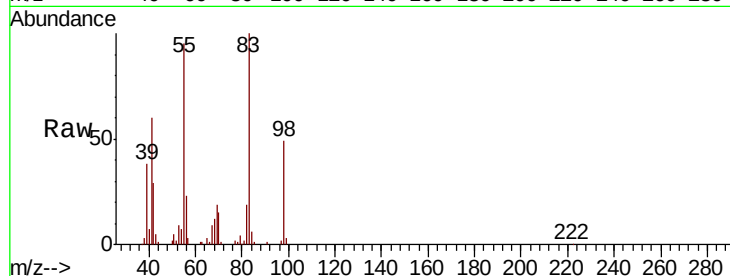




#39
Methylcyclohexane
Concen: 20.089 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

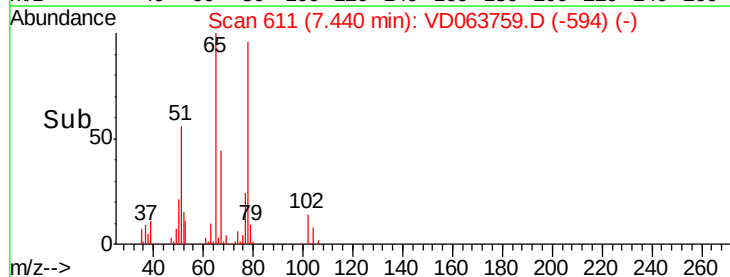
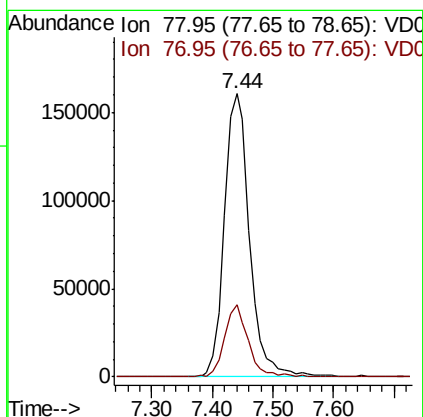
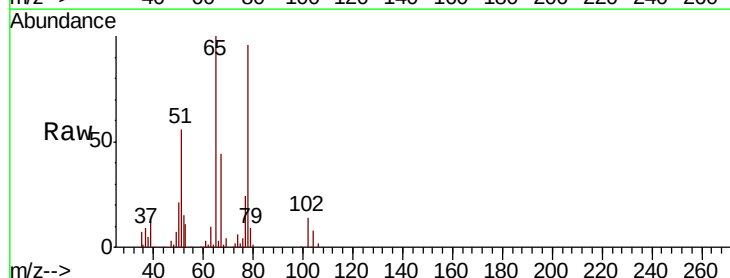
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

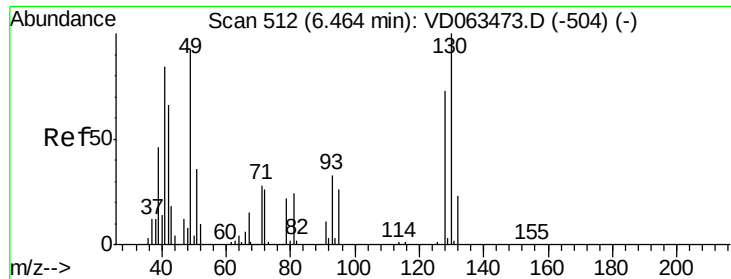
Tgt Ion: 83 Resp: 185570
Ion Ratio Lower Upper
83 100
55 95.2 76.6 114.8
98 48.9 39.4 59.0



#40
Benzene
Concen: 19.384 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 78 Resp: 463378
Ion Ratio Lower Upper
78 100
77 25.4 20.1 30.1





#41

Methacrylonitrile

Concen: 21.534 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

Tgt Ion: 41 Resp: 123417

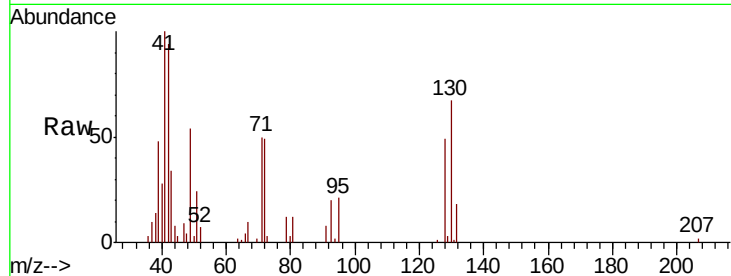
Ion Ratio Lower Upper

41 100

39 47.7 44.6 66.8

67 10.1 14.4 21.6#

52 7.2 9.3 13.9#

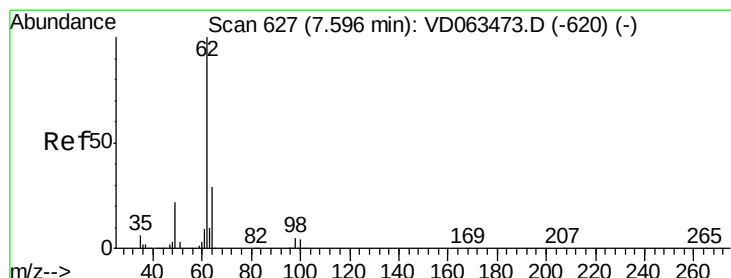
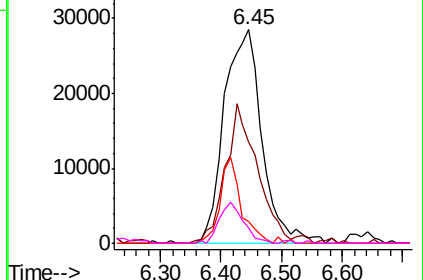
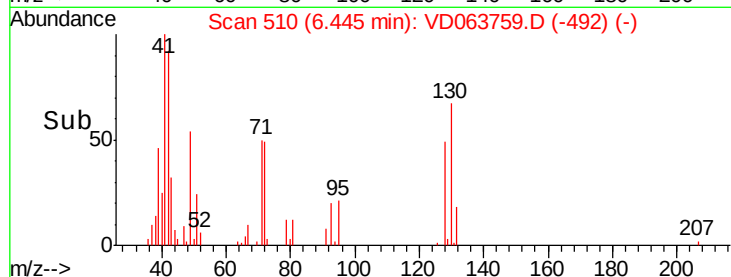


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.695 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063759.D

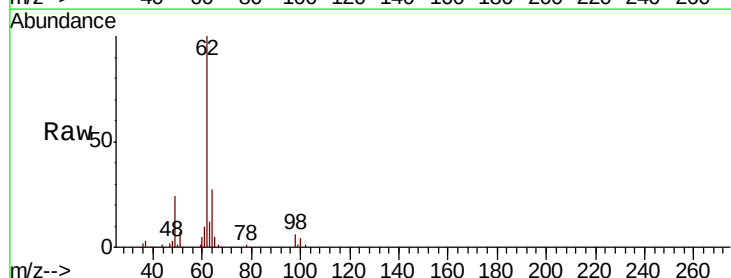
Acq: 23 Aug 2019 12:00

Tgt Ion: 62 Resp: 248764

Ion Ratio Lower Upper

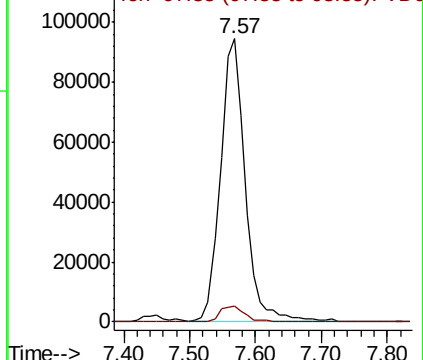
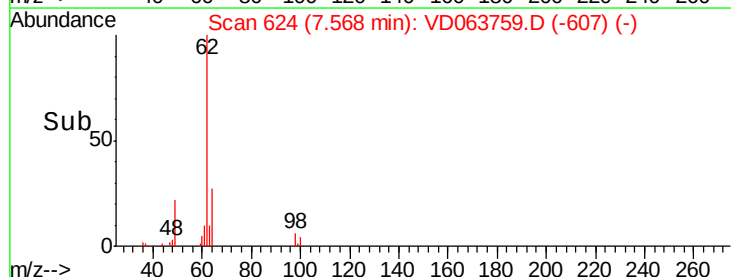
62 100

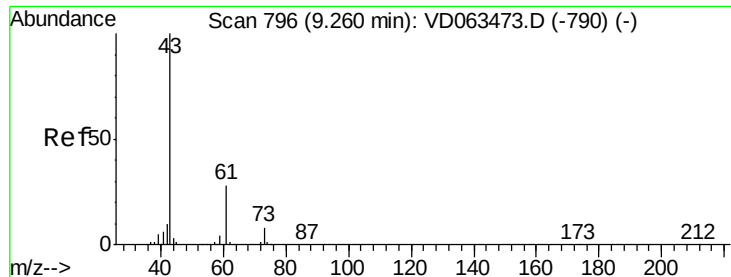
98 5.6 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.949 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

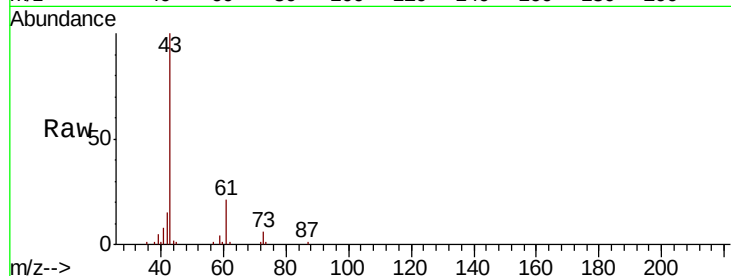
Tgt Ion: 43 Resp: 133809

Ion Ratio Lower Upper

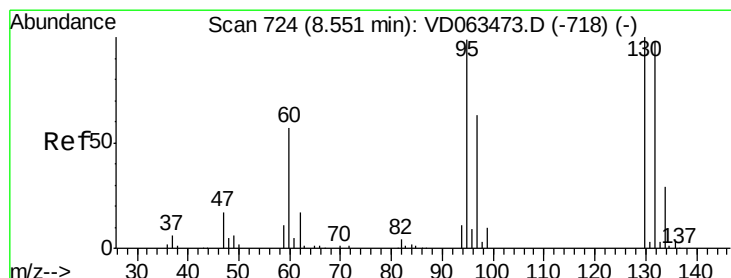
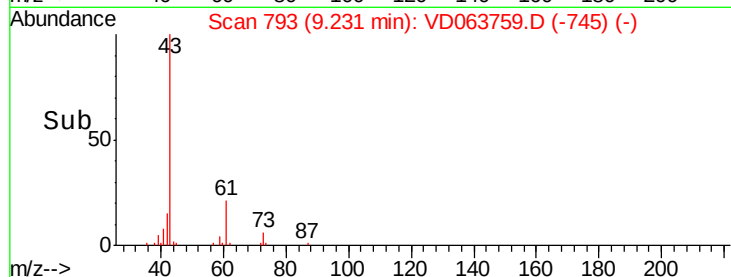
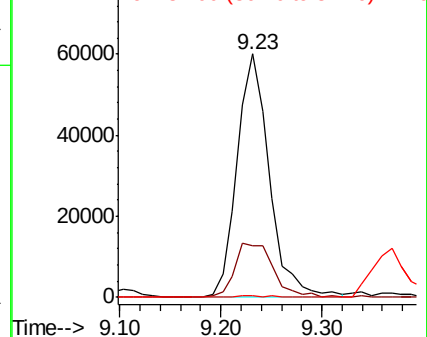
43 100

61 21.3 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: 20.821 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD063759.D

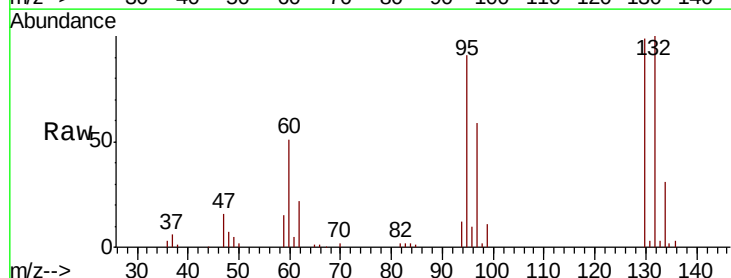
Acq: 23 Aug 2019 12:00

Tgt Ion: 130 Resp: 190248

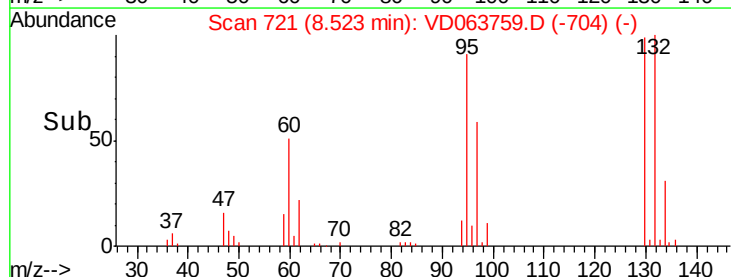
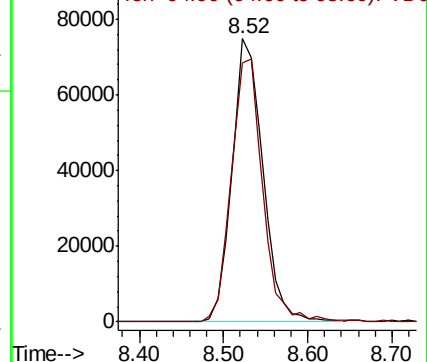
Ion Ratio Lower Upper

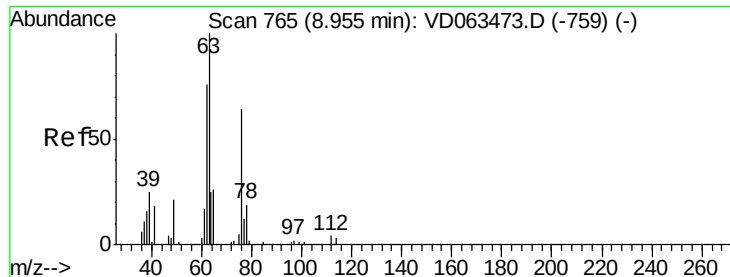
130 100

95 91.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

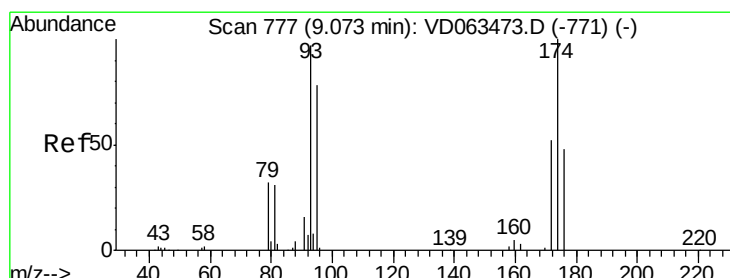
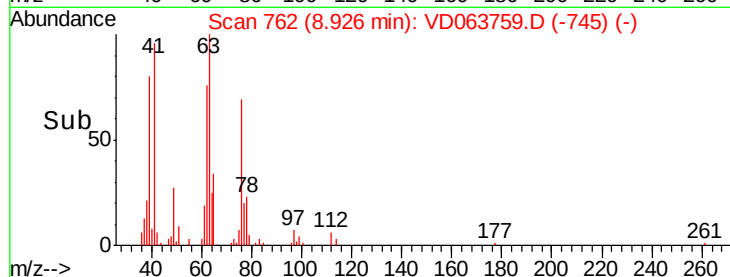
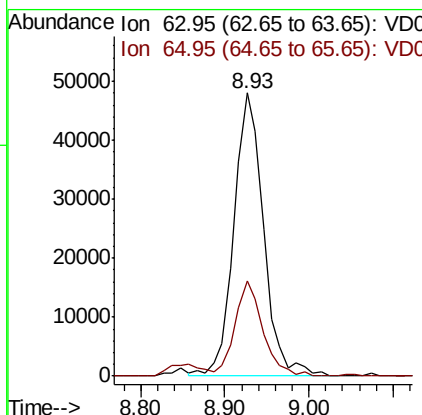
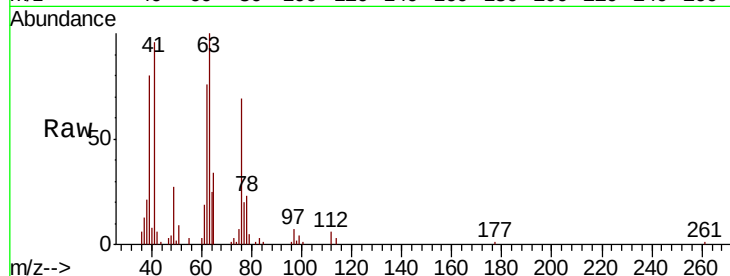




#45
 1,2-Dichloropropane
 Concen: 21.161 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

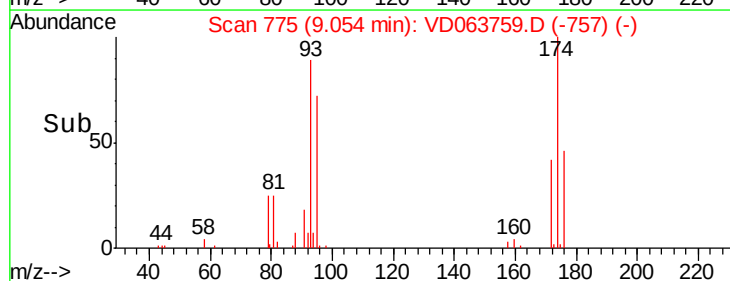
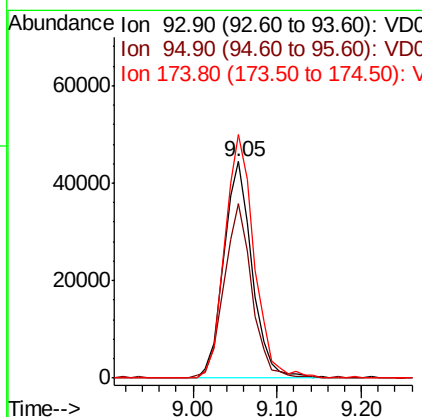
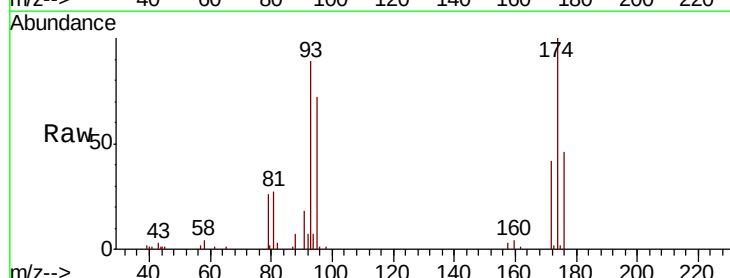
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

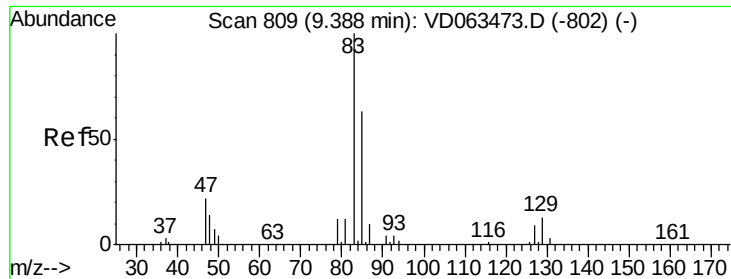
Tgt Ion: 63 Resp: 117807
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.5 33.7



#46
 Dibromomethane
 Concen: 21.785 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 93 Resp: 103568
 Ion Ratio Lower Upper
 93 100
 95 80.8 64.2 96.2
 174 112.4 82.1 123.1





#47

Bromodichloromethane

Concen: 20.956 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

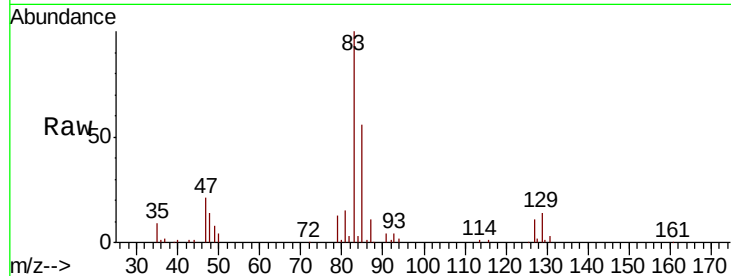
Tgt Ion: 83 Resp: 255557

Ion Ratio Lower Upper

83 100

85 55.6 50.1 75.1

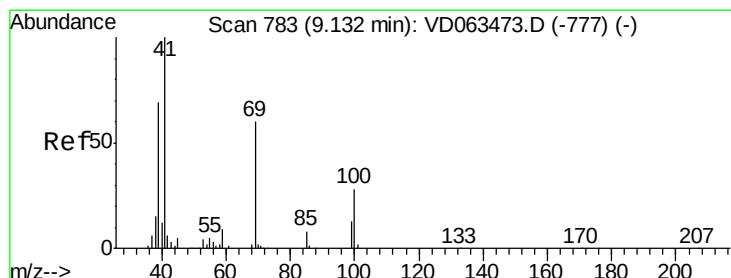
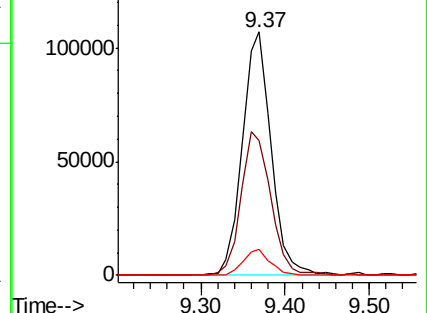
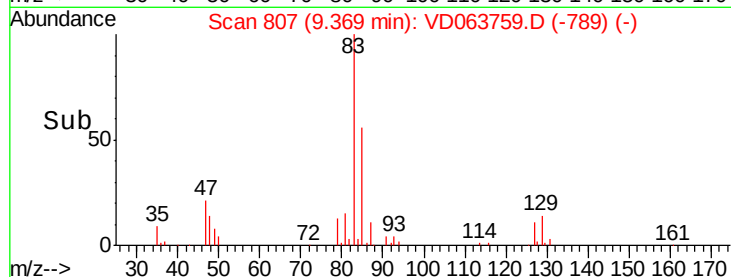
127 10.6 7.6 11.4



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: 21.328 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

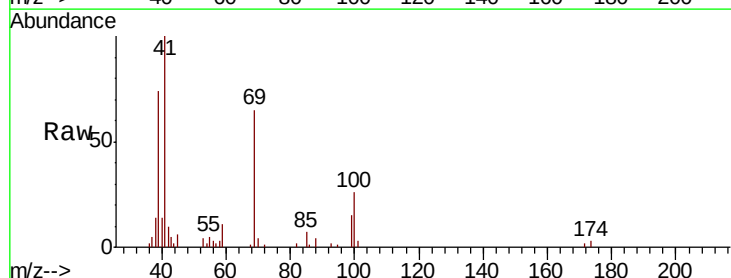
Tgt Ion: 41 Resp: 88179

Ion Ratio Lower Upper

41 100

69 64.6 47.6 71.4

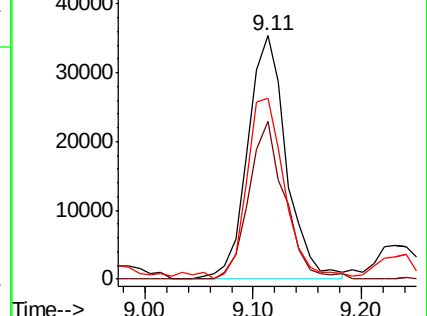
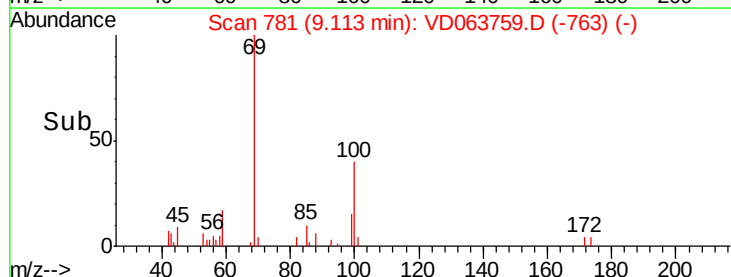
39 74.2 55.7 83.5

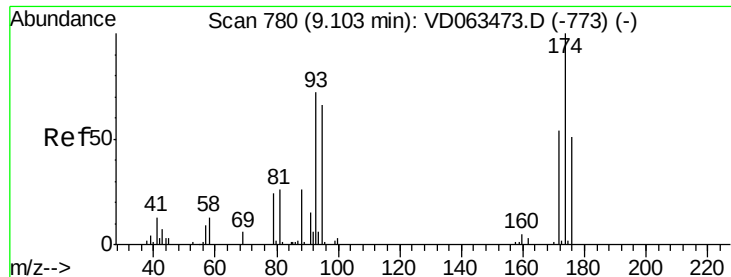


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

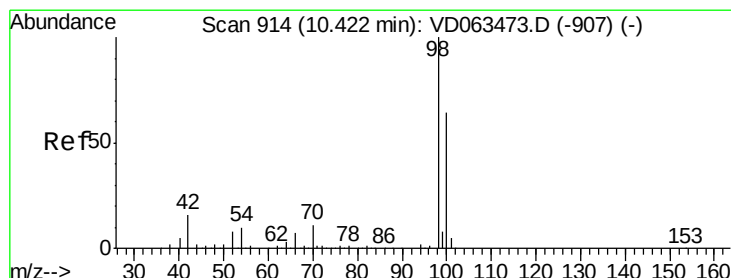
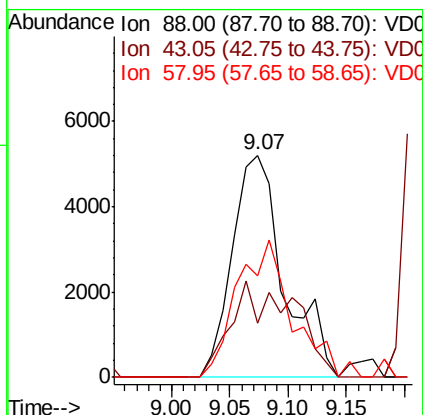
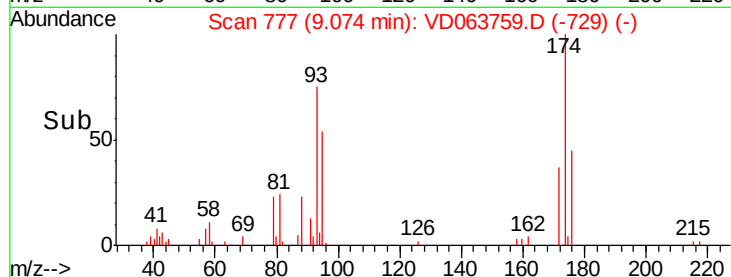
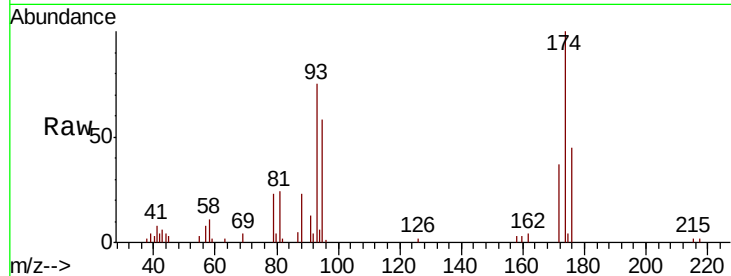




#49
1,4-Dioxane
Concen: 449.601 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

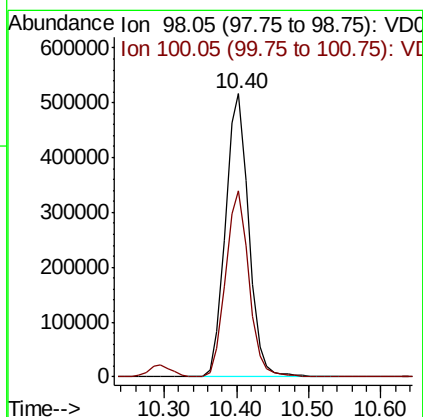
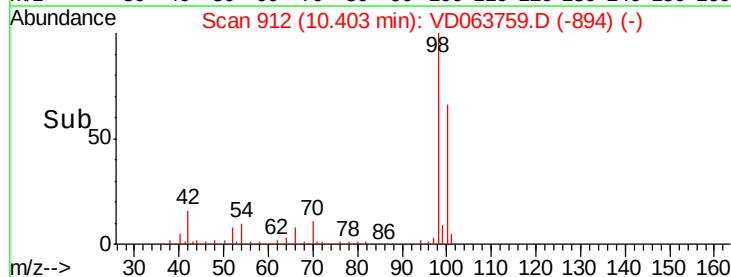
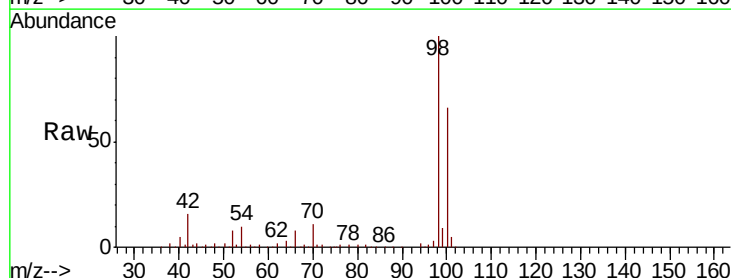
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

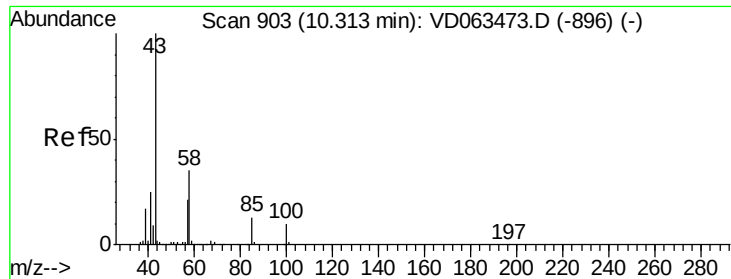
Tgt Ion: 88 Resp: 16084
Ion Ratio Lower Upper
88 100
43 24.3 22.9 34.3
58 45.5 40.1 60.1



#50
Toluene-d8
Concen: 50.835 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 98 Resp: 1156664
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 110.103 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

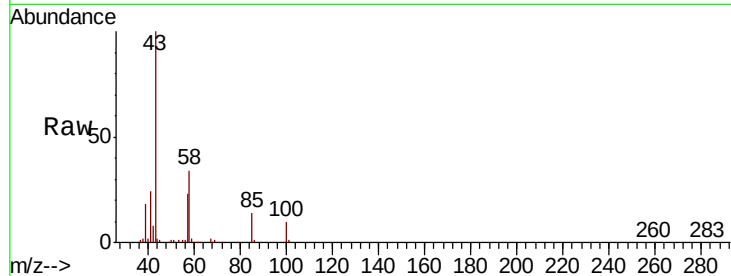
VD0823SBSD02

Tgt Ion: 43 Resp: 459314

Ion Ratio Lower Upper

43 100

58 33.6 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

200000

150000

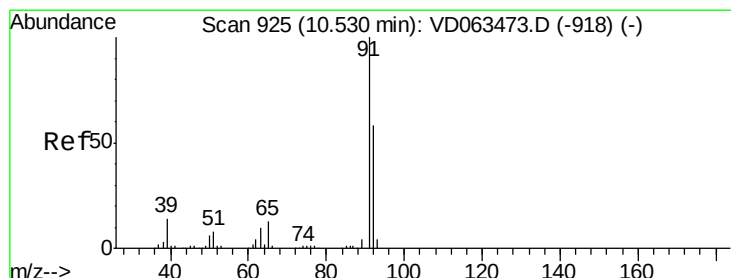
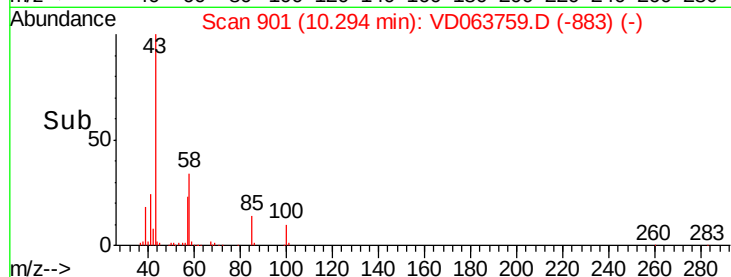
100000

50000

0

10.20 10.30 10.40

Time-->



#52

Toluene

Concen: 20.514 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063759.D

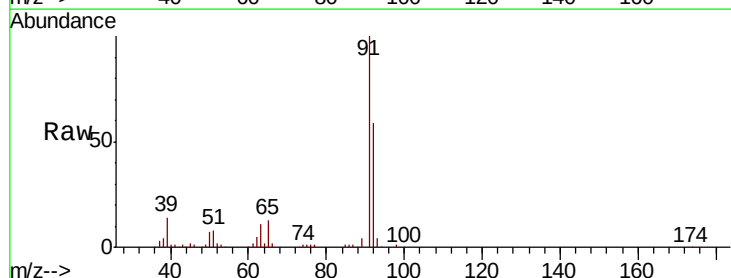
Acq: 23 Aug 2019 12:00

Tgt Ion: 92 Resp: 315872

Ion Ratio Lower Upper

92 100

91 168.1 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

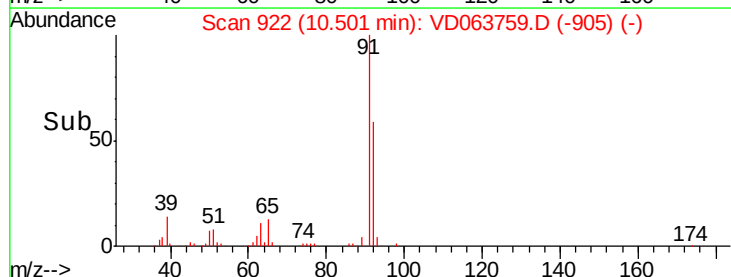
100000

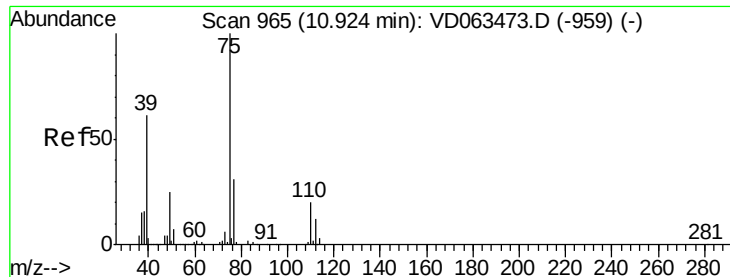
50000

0

10.40 10.50 10.60 10.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.868 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

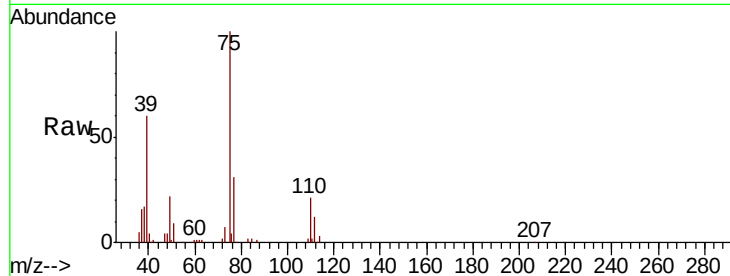
VD0823SBS02

Tgt Ion: 75 Resp: 197727

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

80000

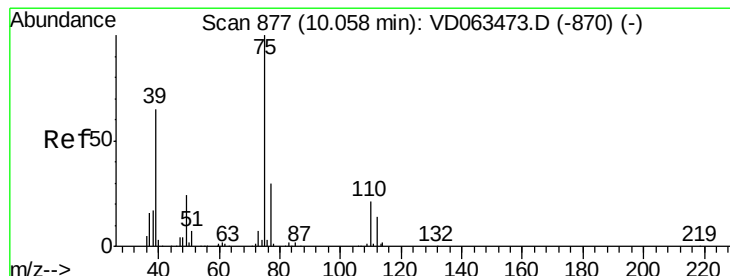
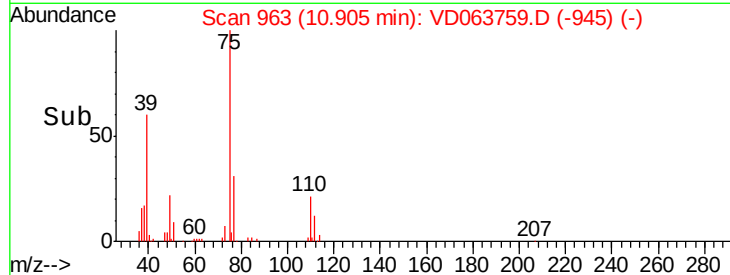
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.957 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

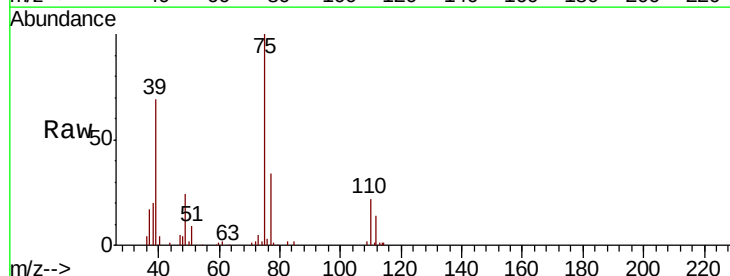
Tgt Ion: 75 Resp: 223961

Ion Ratio Lower Upper

75 100

77 34.0 23.7 35.5

39 68.5 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

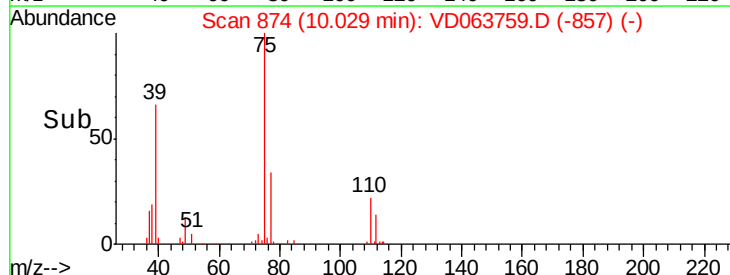
10.03

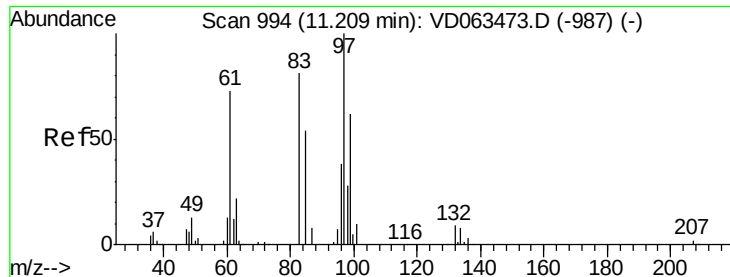
100000

50000

0

Time-->

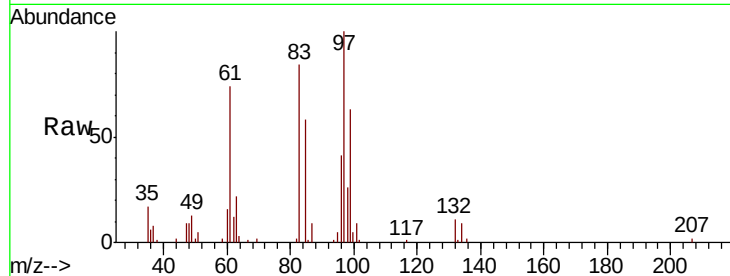




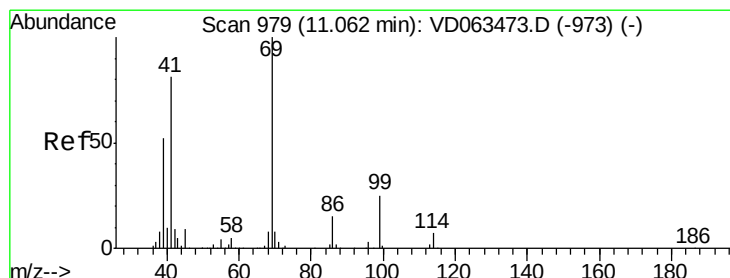
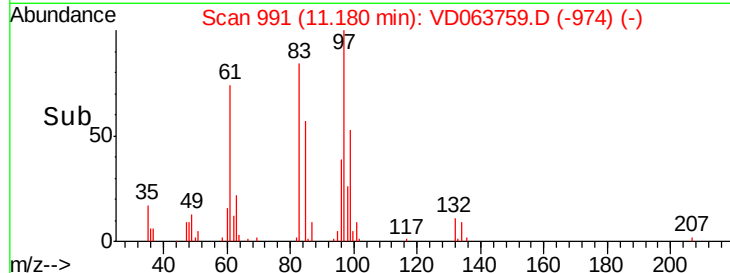
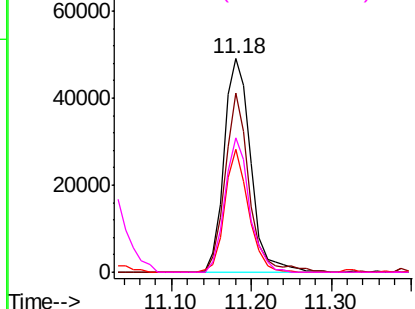
#55
 1,1,2-Trichloroethane
 Concen: 22.292 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

Tgt Ion: 97 Resp: 115946
 Ion Ratio Lower Upper
 97 100
 83 83.8 64.7 97.1
 85 57.7 42.9 64.3
 99 62.8 49.7 74.5

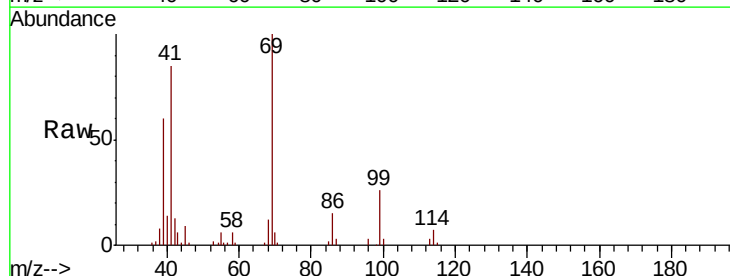


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

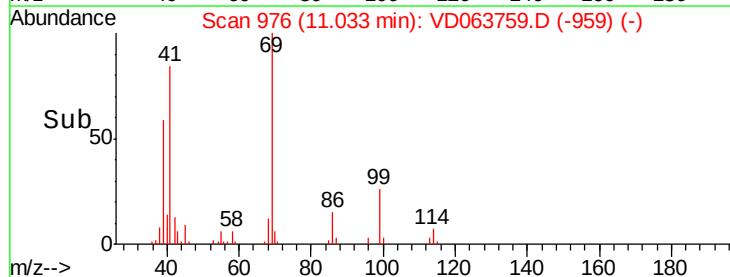
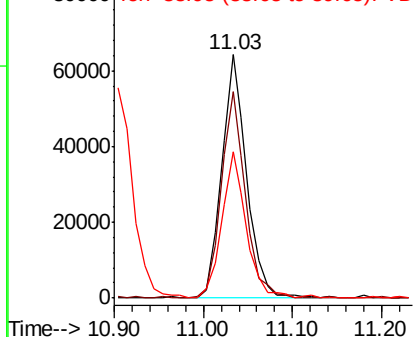


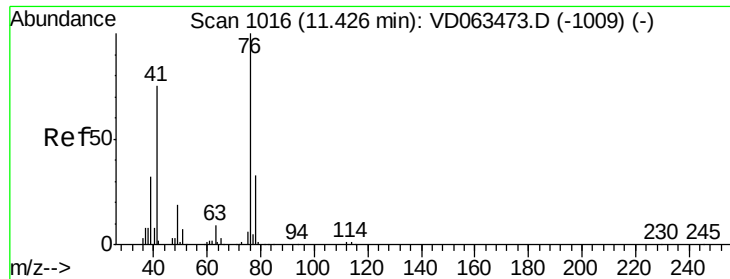
#56
 Ethyl methacrylate
 Concen: 22.280 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 69 Resp: 125777
 Ion Ratio Lower Upper
 69 100
 41 84.7 64.8 97.2
 39 60.2 42.4 63.6



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





#57

1,3-Dichloropropane

Concen: 21.934 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

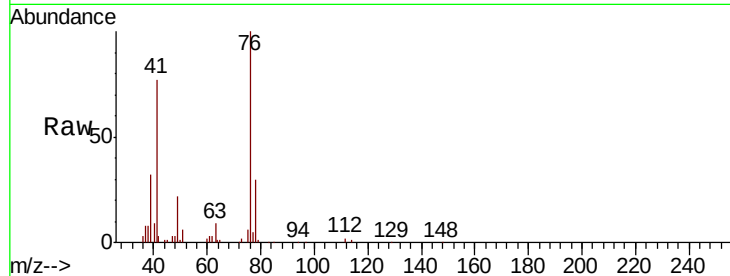
VD0823SBSD02

Tgt Ion: 76 Resp: 172450

Ion Ratio Lower Upper

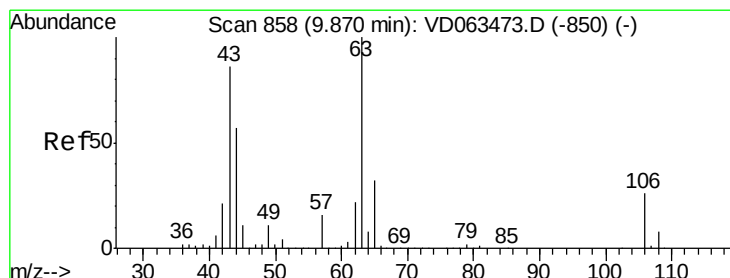
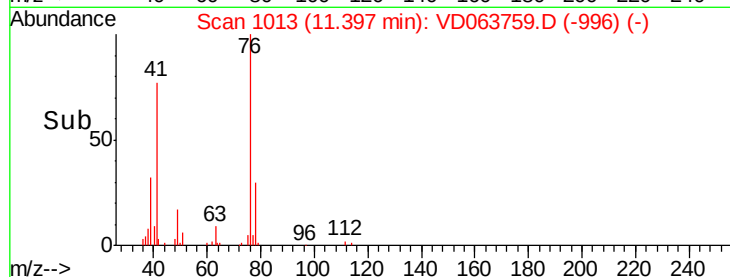
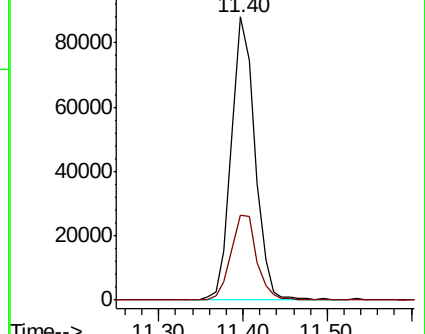
76 100

78 29.8 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.578 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063759.D

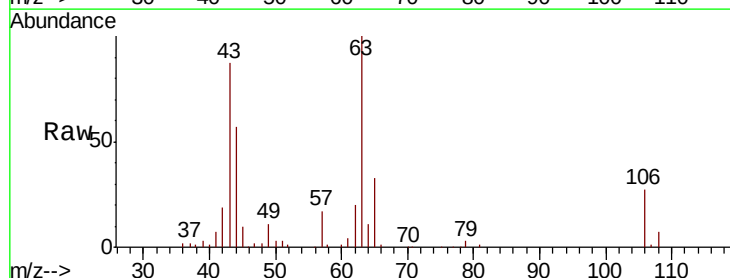
Acq: 23 Aug 2019 12:00

Tgt Ion: 63 Resp: 350428

Ion Ratio Lower Upper

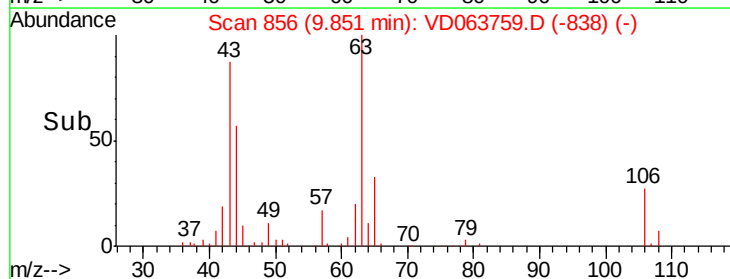
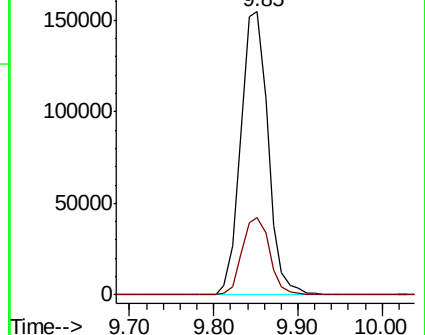
63 100

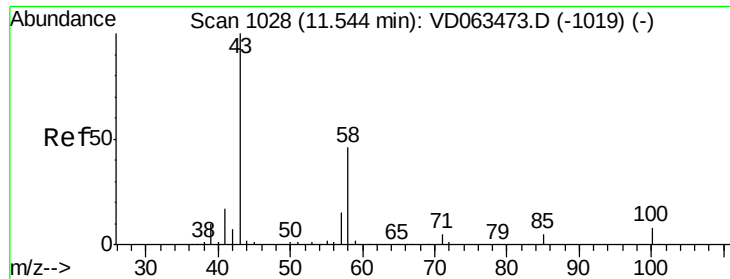
106 27.4 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

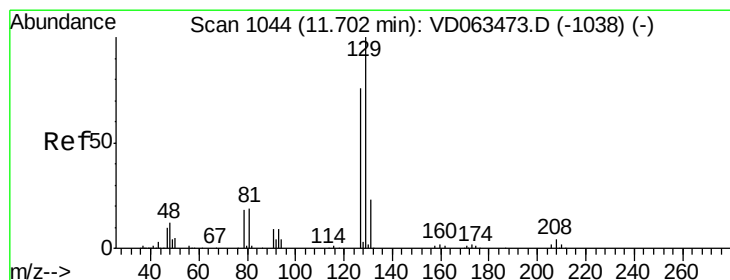
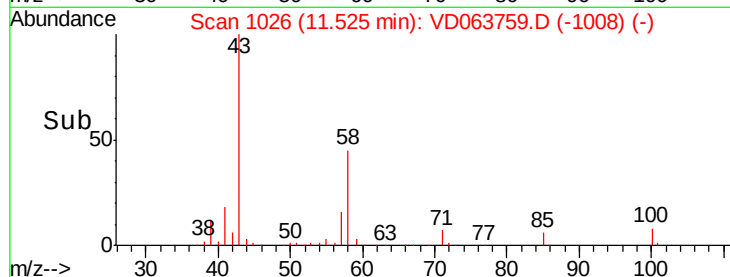
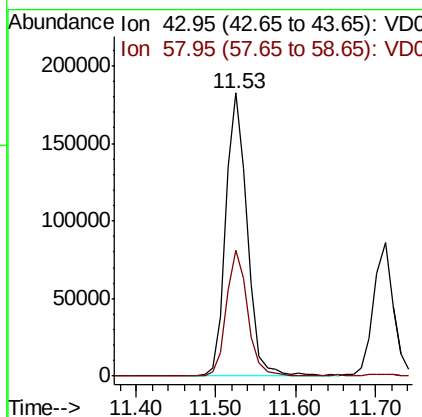
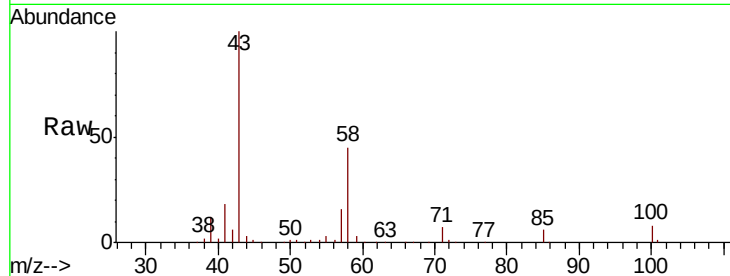




#59
2-Hexanone
Concen: 114.059 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

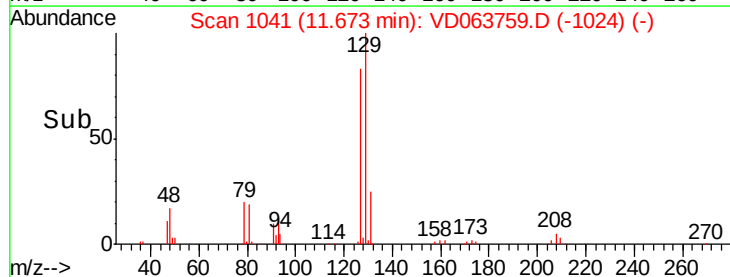
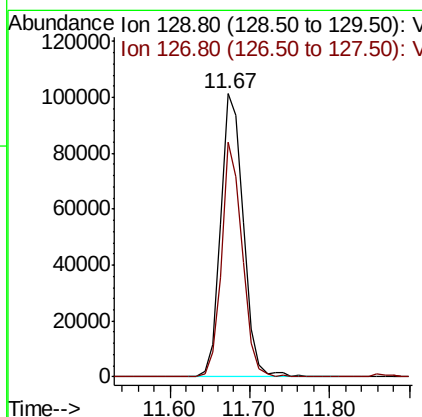
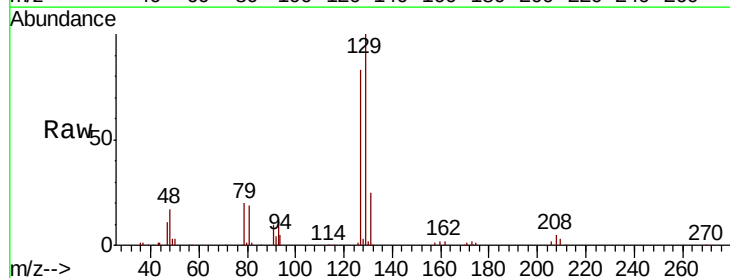
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS02

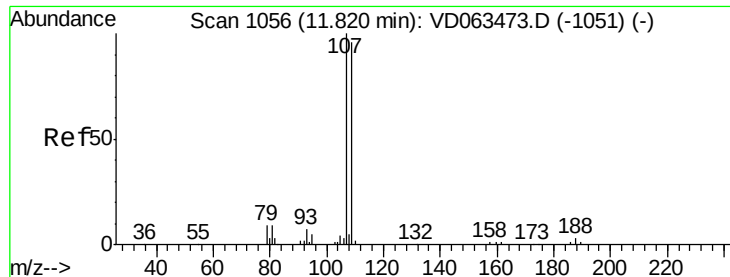
Tgt Ion: 43 Resp: 346215
Ion Ratio Lower Upper
43 100
58 44.5 23.1 69.2



#60
Dibromochloromethane
Concen: 21.548 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 129 Resp: 203935
Ion Ratio Lower Upper
129 100
127 83.1 37.8 113.4

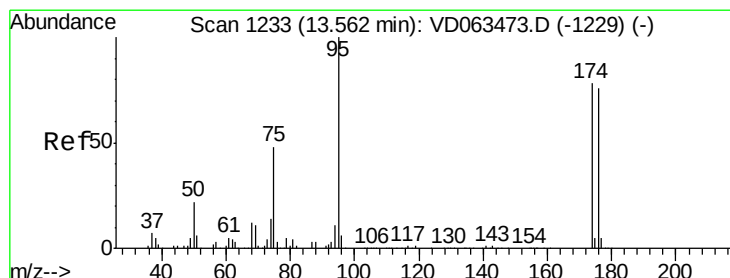
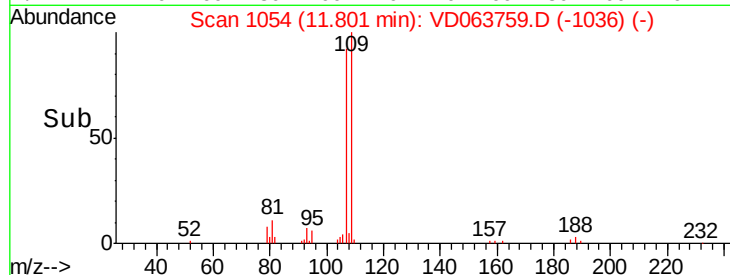
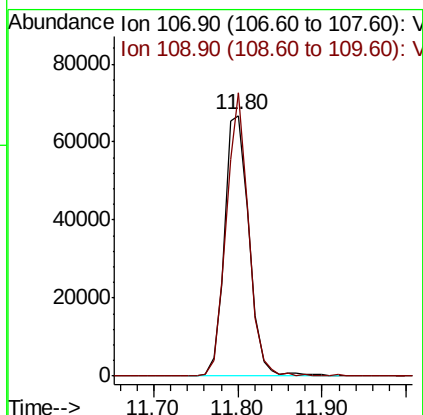
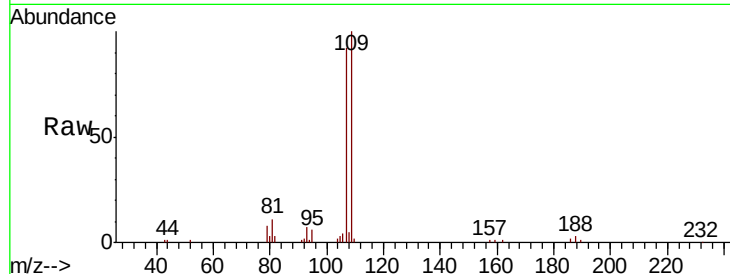




#61
 1,2-Dibromoethane
 Concen: 21.377 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

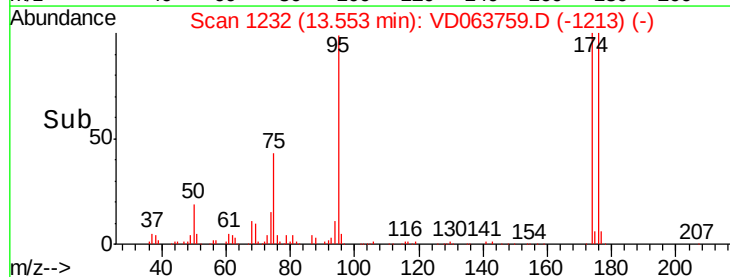
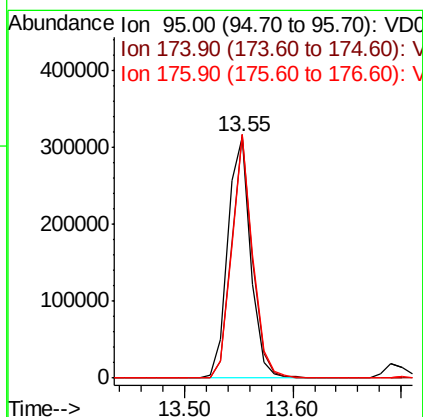
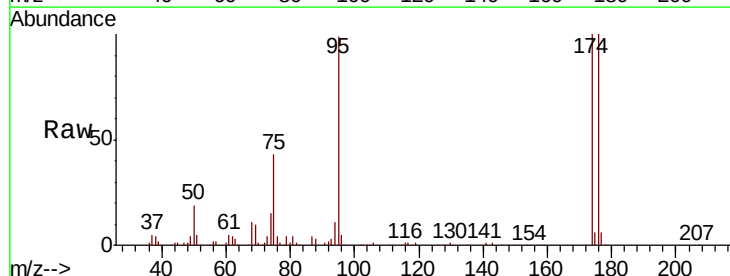
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

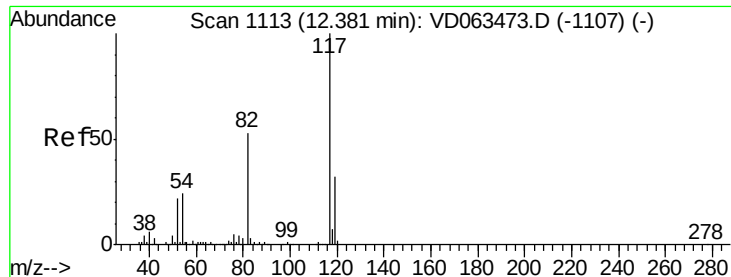
Tgt Ion: 107 Resp: 134597
 Ion Ratio Lower Upper
 107 100
 109 108.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 44.509 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 95 Resp: 459012
 Ion Ratio Lower Upper
 95 100
 174 100.8 0.0 155.4
 176 100.7 0.0 152.4

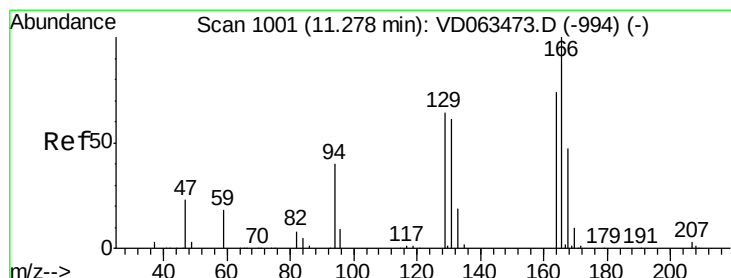
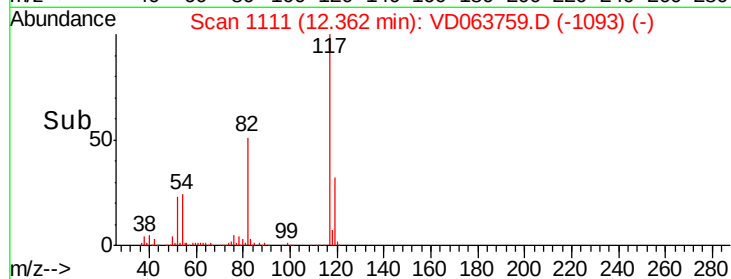
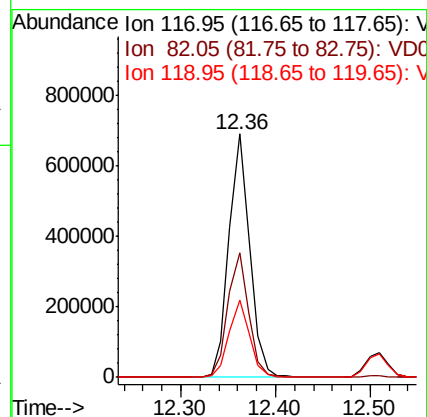
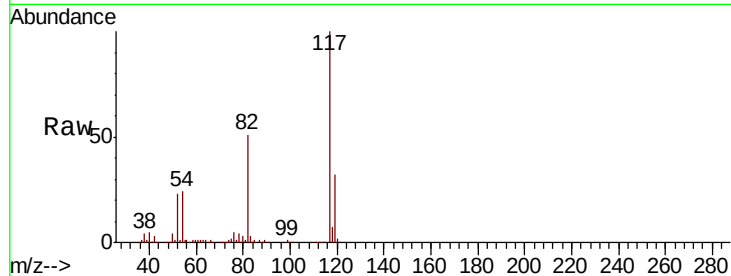




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

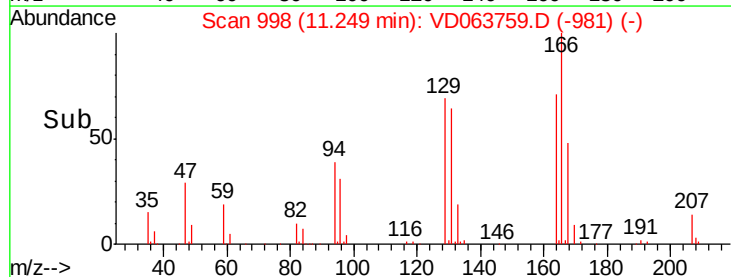
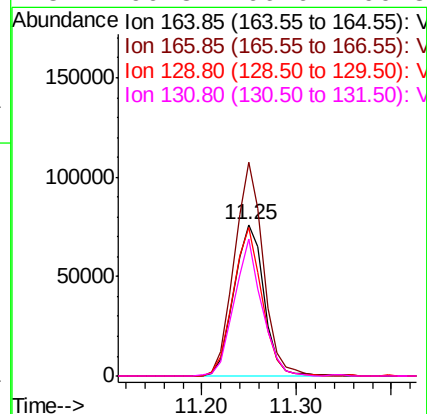
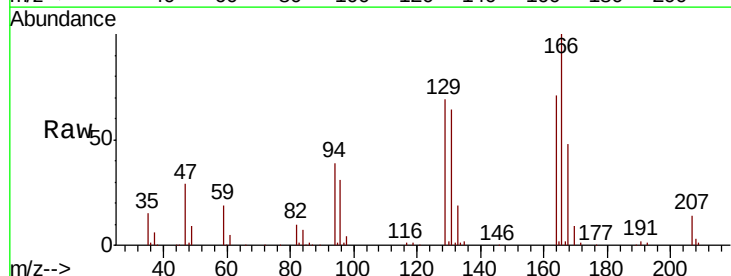
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

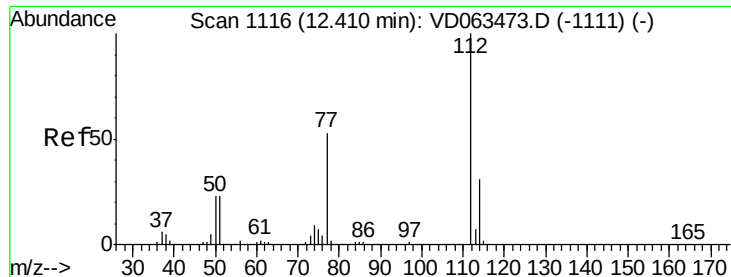
Tgt Ion:117 Resp: 1058931
Ion Ratio Lower Upper
117 100
82 51.4 42.0 63.0
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 20.376 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion:164 Resp: 166566
Ion Ratio Lower Upper
164 100
166 141.0 108.6 163.0
129 97.7 69.0 103.6
131 90.8 66.6 99.8

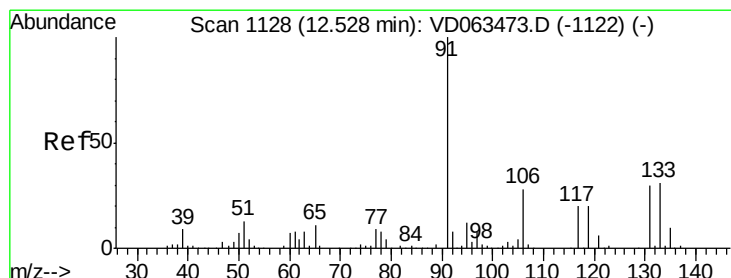
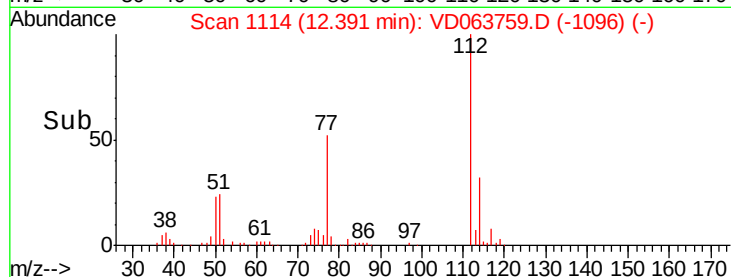
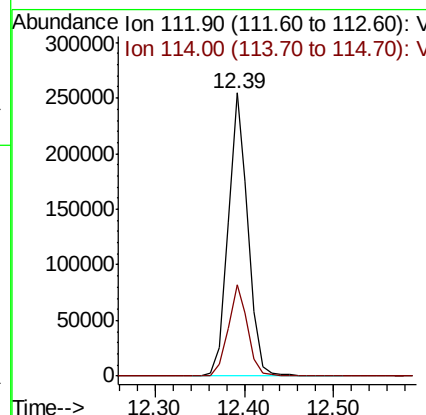
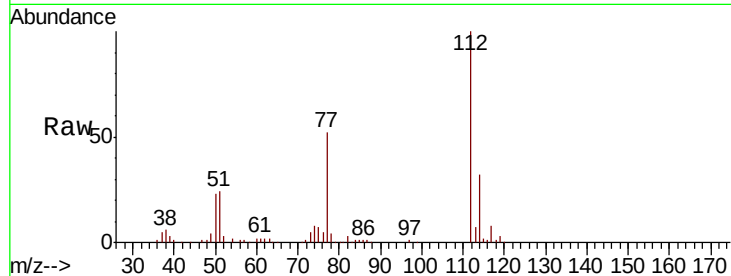




#65
Chlorobenzene
Concen: 19.989 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

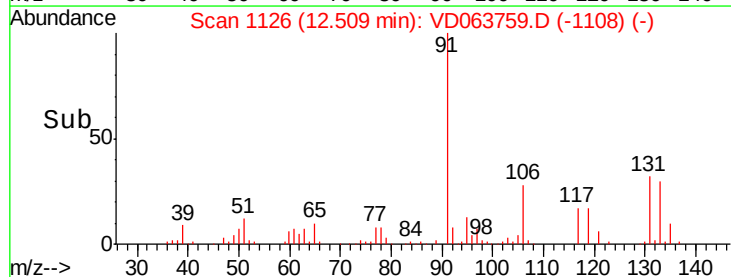
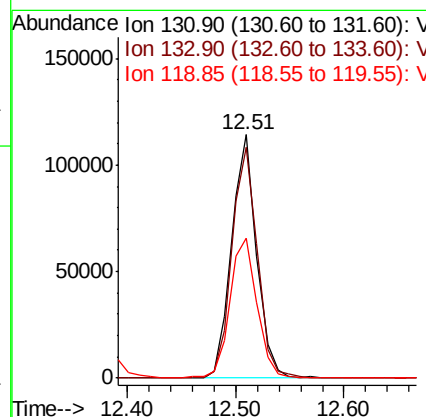
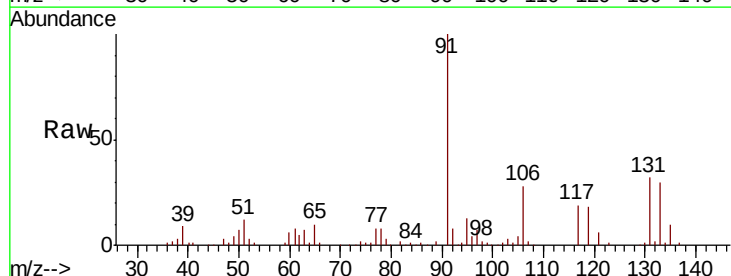
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

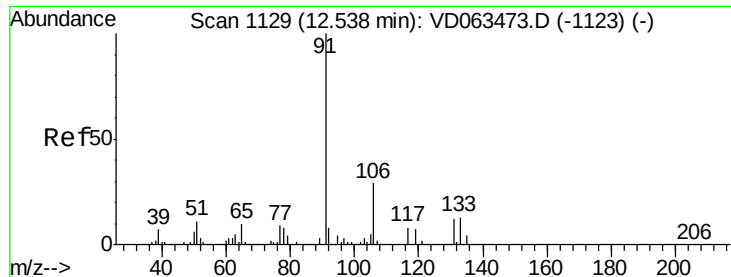
Tgt Ion:112 Resp: 396718
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.021 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion:131 Resp: 183610
Ion Ratio Lower Upper
131 100
133 95.0 51.1 153.3
119 57.4 33.1 99.3

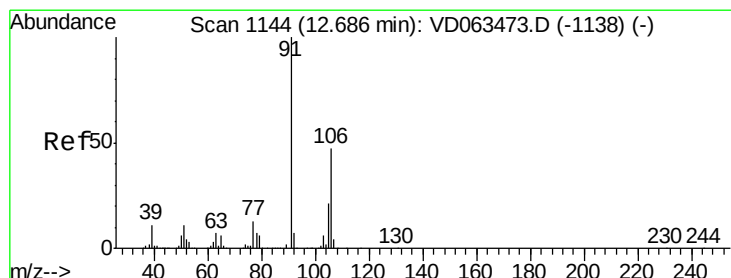
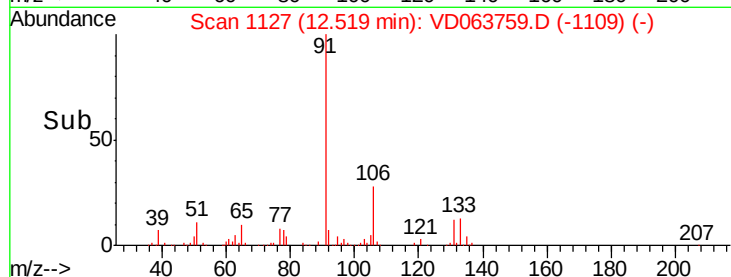
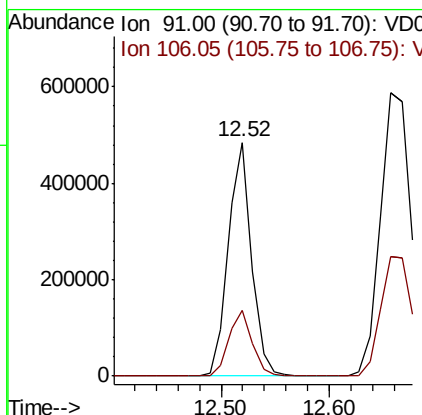
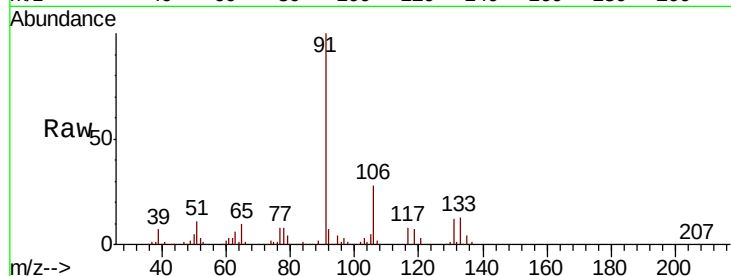




#67
Ethyl Benzene
Concen: 21.028 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

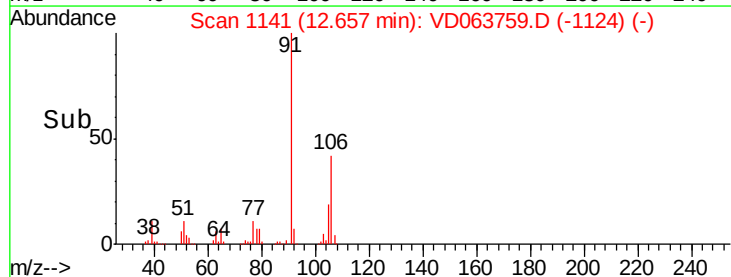
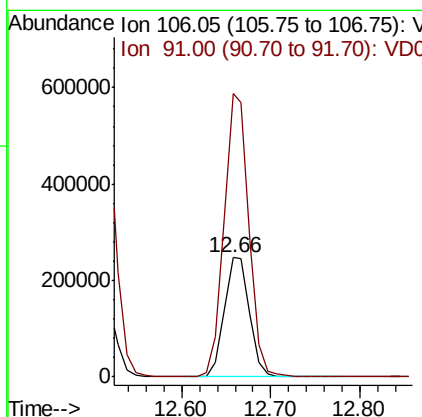
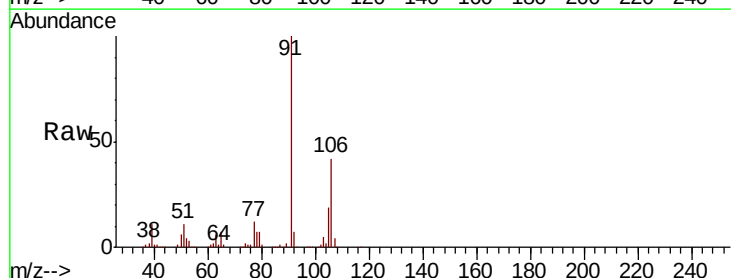
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS02

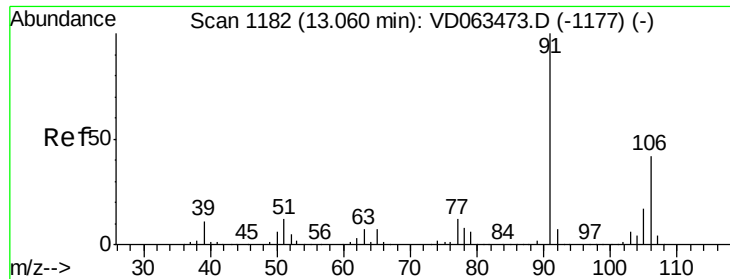
Tgt Ion: 91 Resp: 725644
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7



#68
m/p-Xylenes
Concen: 40.637 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 106 Resp: 492681
Ion Ratio Lower Upper
106 100
91 237.7 171.8 257.8

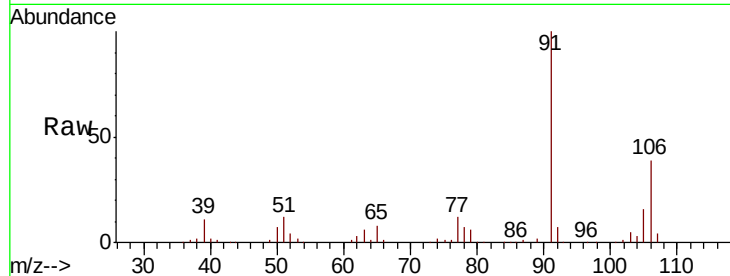




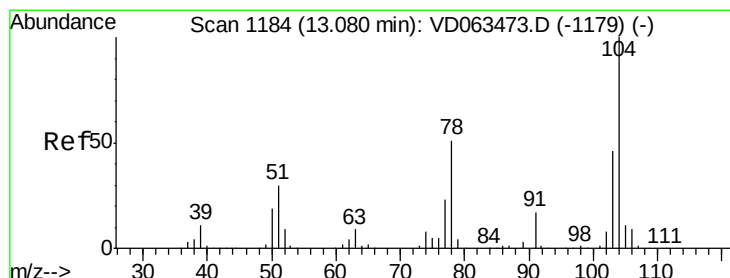
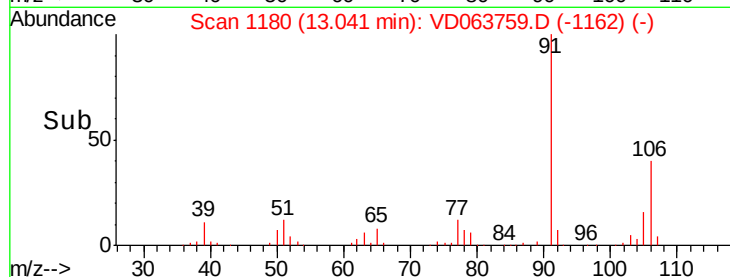
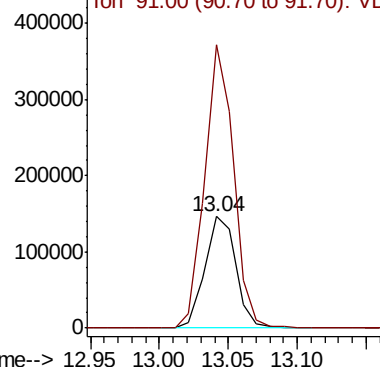
#69
o-Xylene
Concen: 19.680 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

Tgt Ion:106 Resp: 229645
Ion Ratio Lower Upper
106 100
91 253.4 118.1 354.2

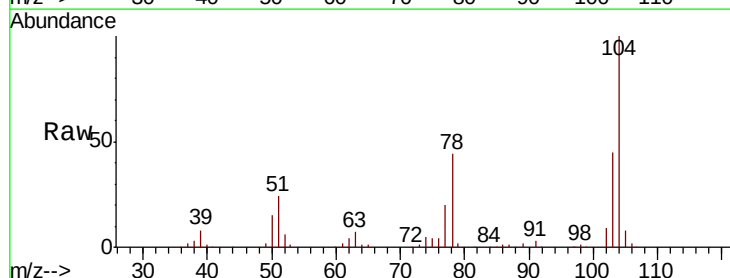


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

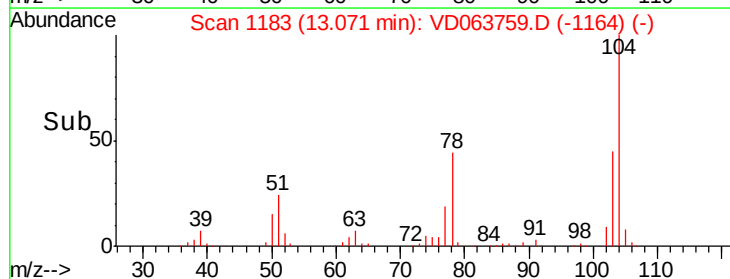
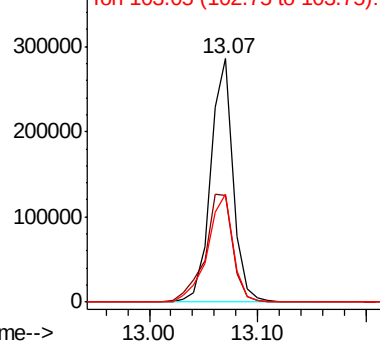


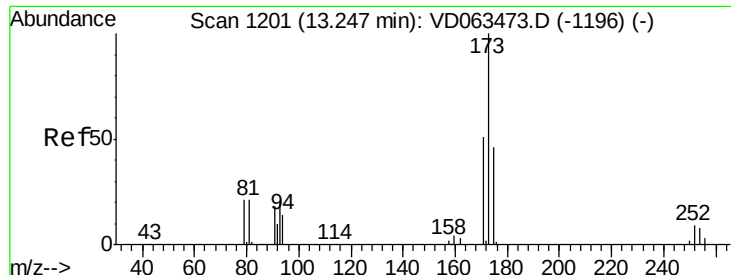
#70
Styrene
Concen: 19.715 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion:104 Resp: 409212
Ion Ratio Lower Upper
104 100
78 43.9 40.8 61.2
103 44.6 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: 20.444 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS02

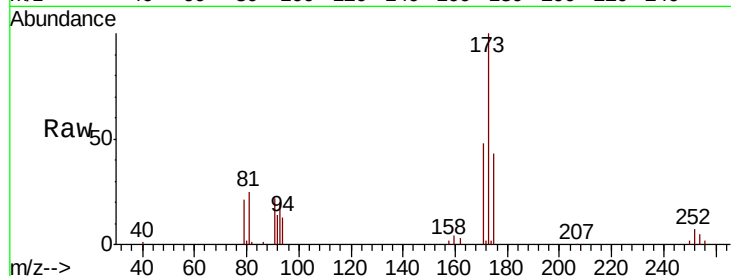
Tgt Ion:173 Resp: 122445

Ion Ratio Lower Upper

173 100

175 43.4 22.8 68.3

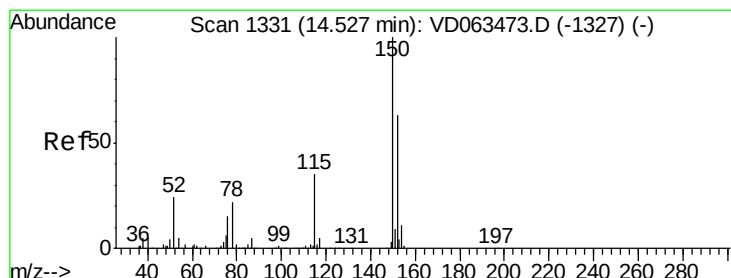
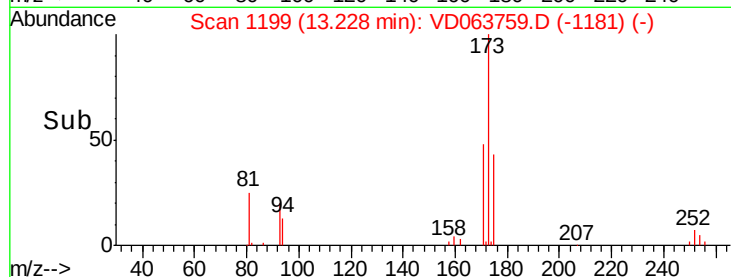
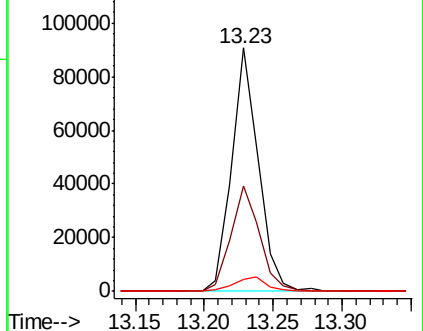
254 5.1 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

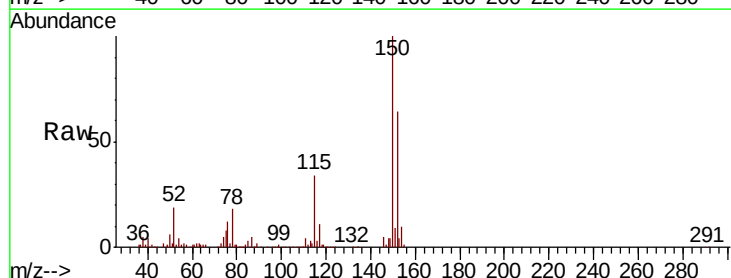
Tgt Ion:152 Resp: 525839

Ion Ratio Lower Upper

152 100

115 53.3 30.9 92.7

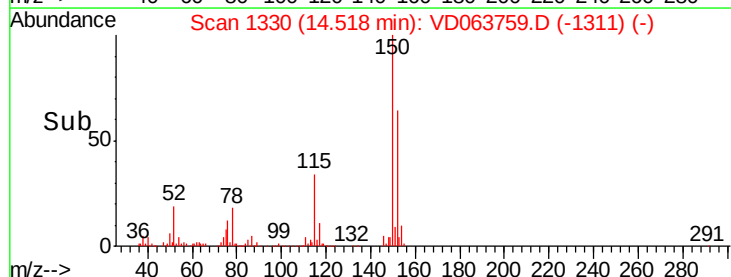
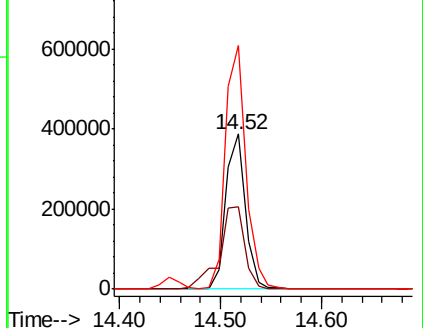
150 156.8 0.0 318.6

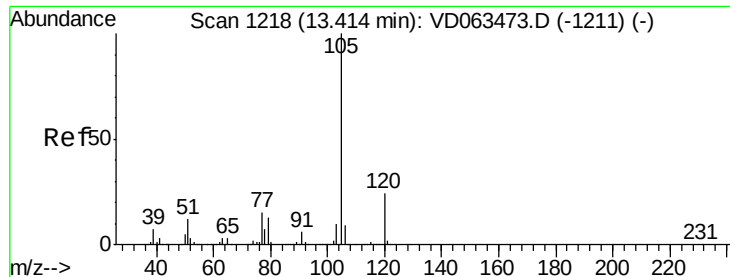


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.272 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

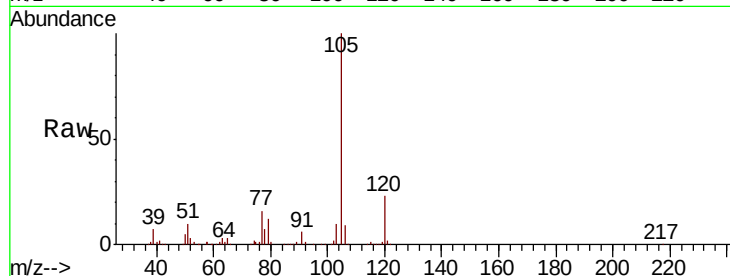
VD0823SBSD02

Tgt Ion: 105 Resp: 711471

Ion Ratio Lower Upper

105 100

120 22.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

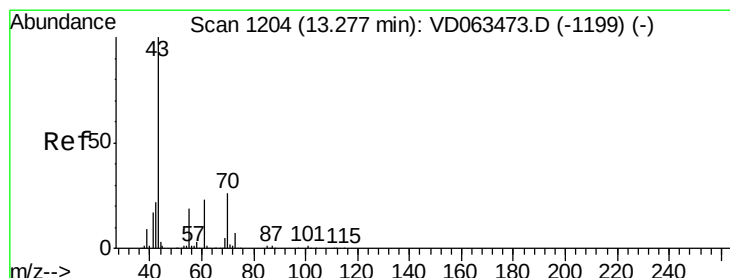
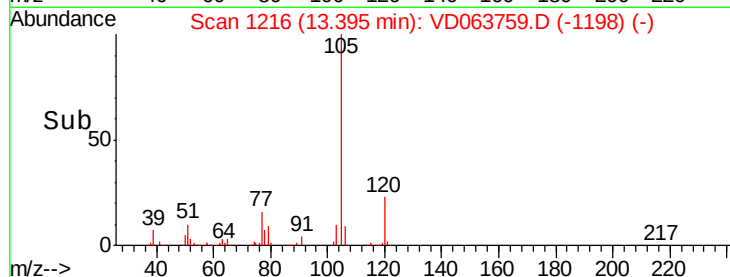
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 21.363 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Tgt Ion: 43 Resp: 179365

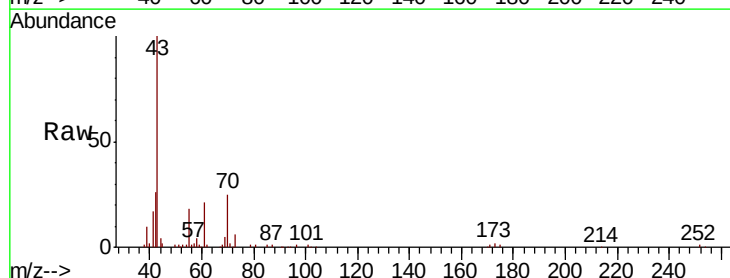
Ion Ratio Lower Upper

43 100

70 24.9 21.1 31.7

55 18.2 15.4 23.0

61 20.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

150000

100000

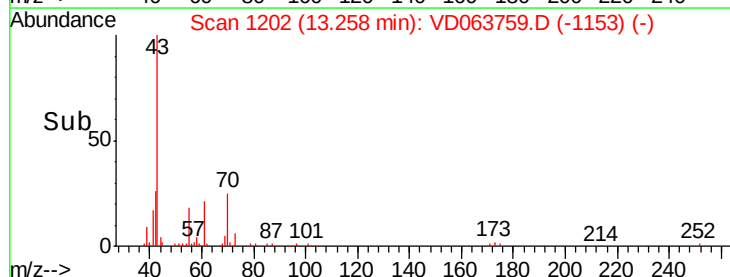
50000

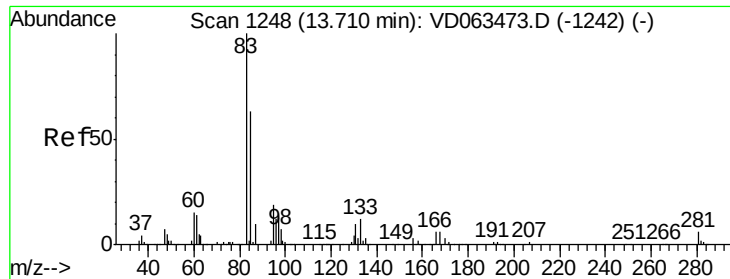
0

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.976 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS02

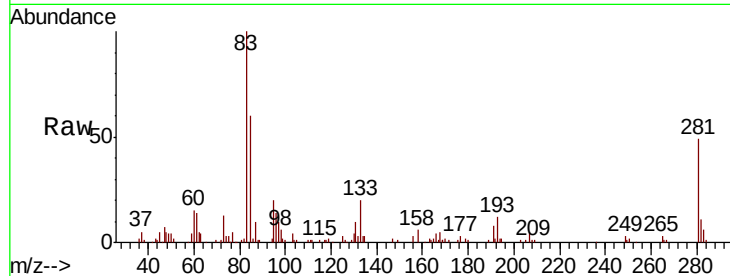
Tgt Ion: 83 Resp: 127548

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

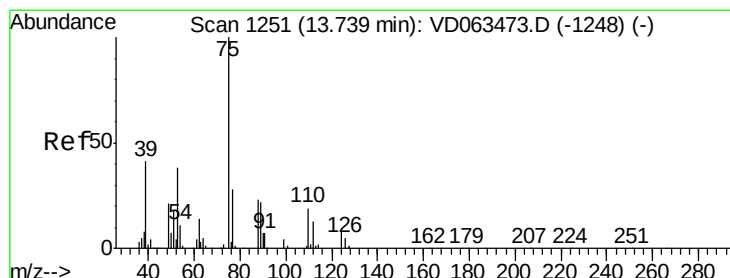
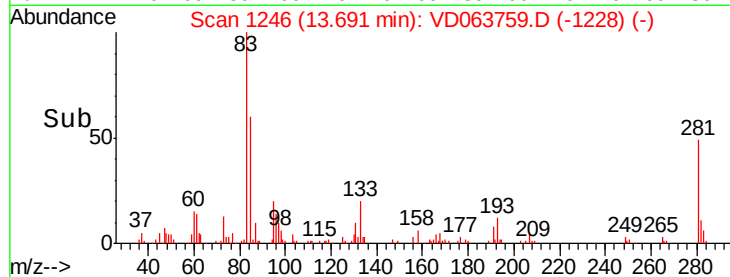
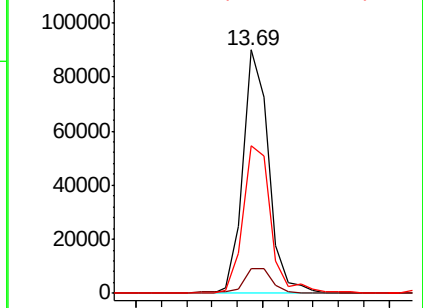
85 60.4 31.4 94.3



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: 23.027 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063759.D

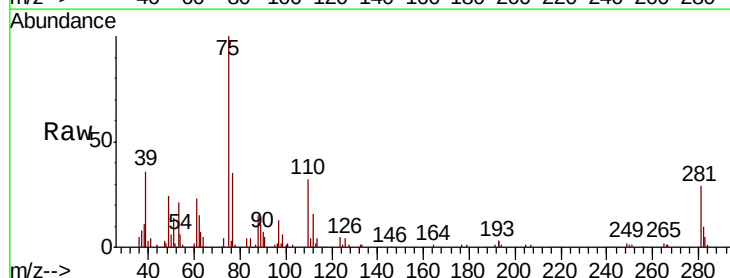
Acq: 23 Aug 2019 12:00

Tgt Ion: 75 Resp: 138965

Ion Ratio Lower Upper

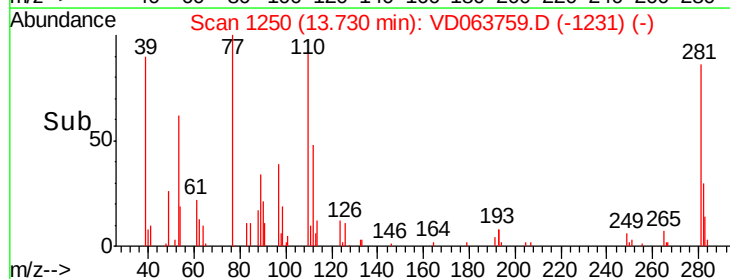
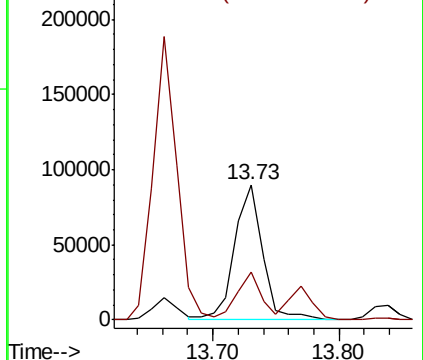
75 100

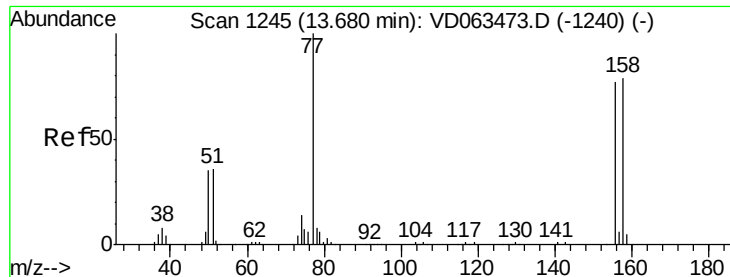
77 35.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

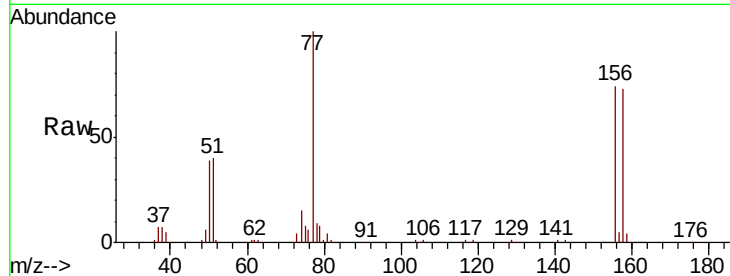




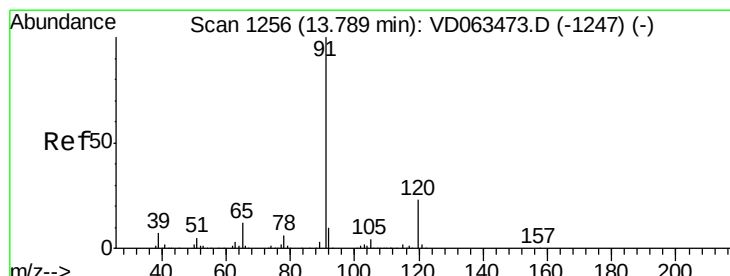
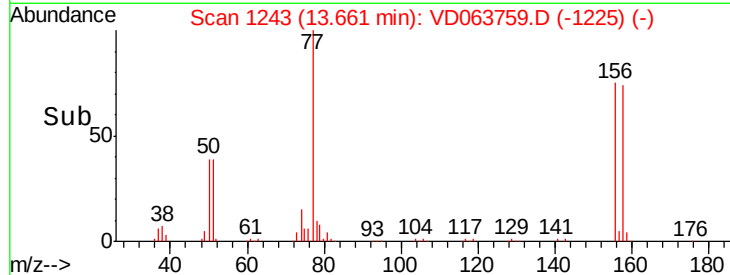
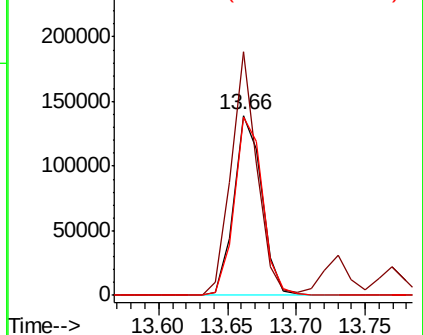
#77
Bromobenzene
Concen: 21.509 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

Tgt Ion:156 Resp: 196617
Ion Ratio Lower Upper
156 100
77 135.3 64.6 193.8
158 99.3 50.9 152.7

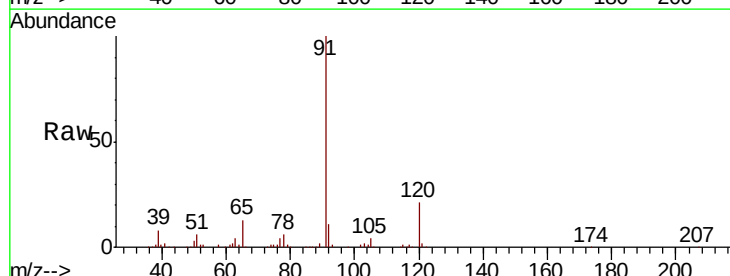


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

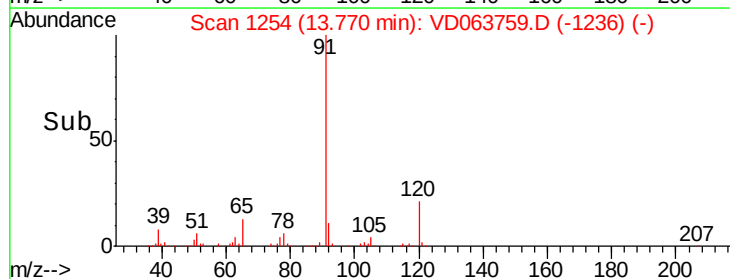
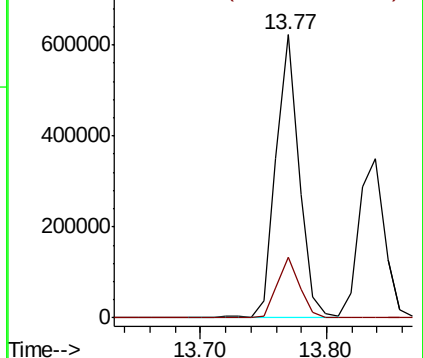


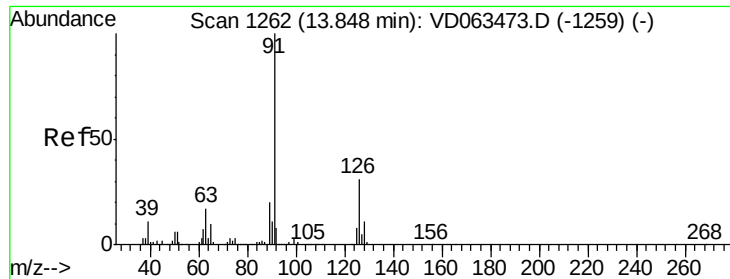
#78
n-propylbenzene
Concen: 20.427 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 91 Resp: 799385
Ion Ratio Lower Upper
91 100
120 21.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

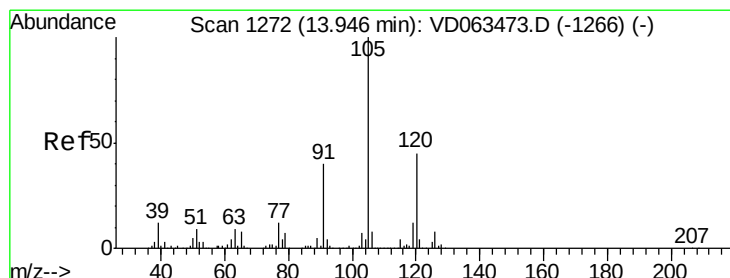
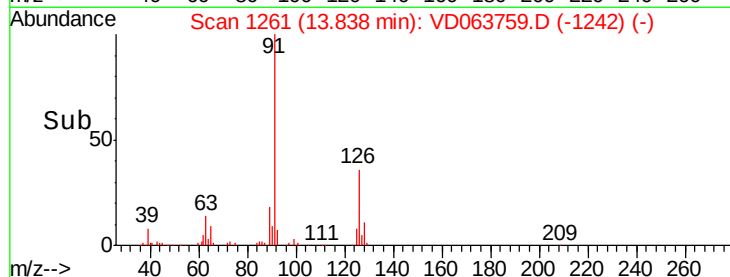
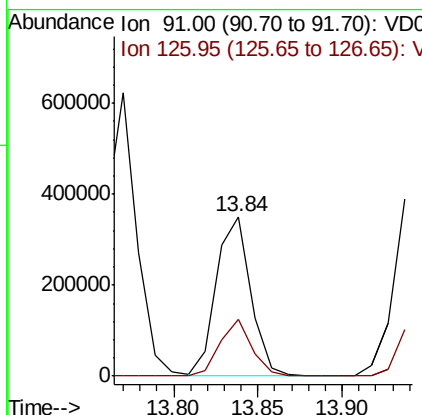
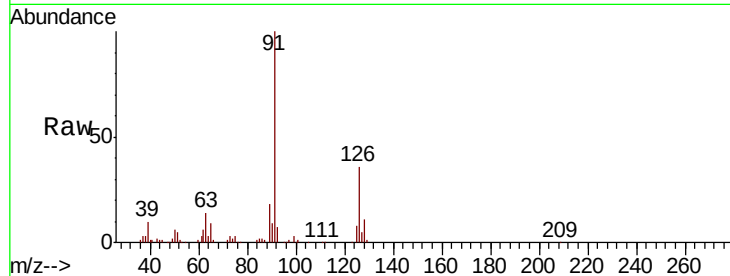




#79
 2-Chlorotoluene
 Concen: 22.141 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

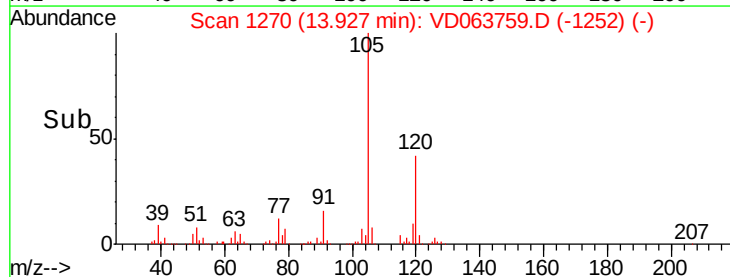
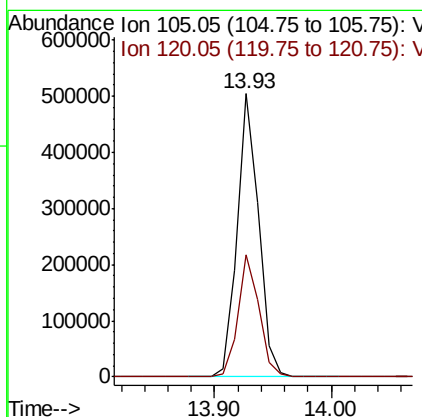
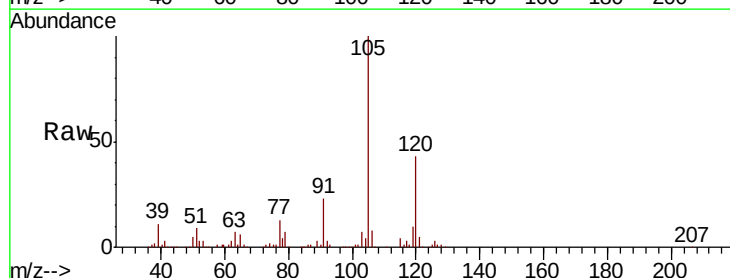
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

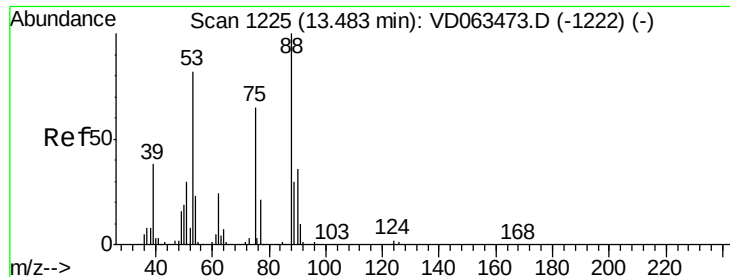
Tgt Ion: 91 Resp: 499588
 Ion Ratio Lower Upper
 91 100
 126 35.9 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.994 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion: 105 Resp: 642741
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.8 68.3

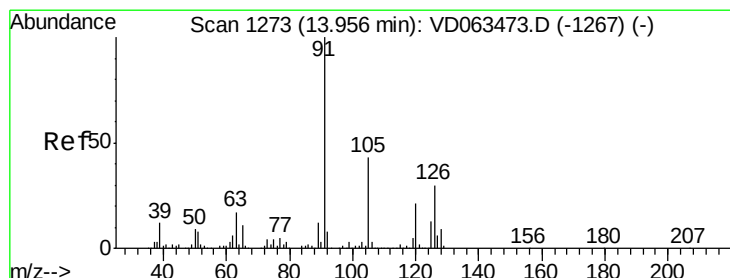
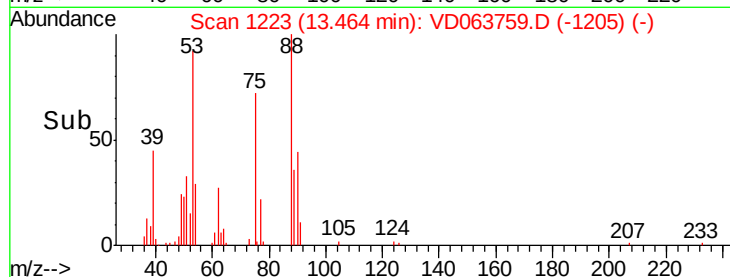
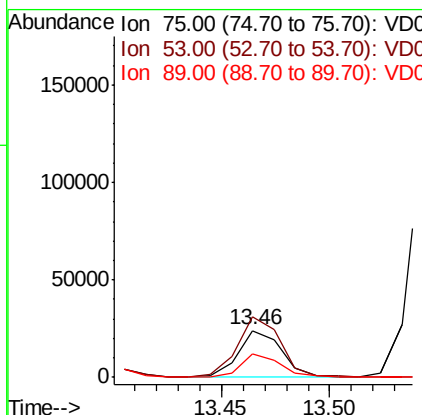
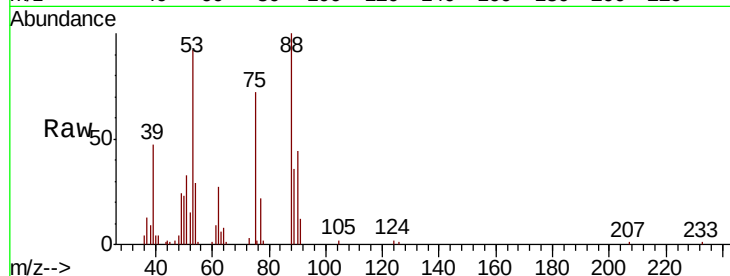




#81
trans-1,4-Dichloro-2-butene
Concen: 20.627 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

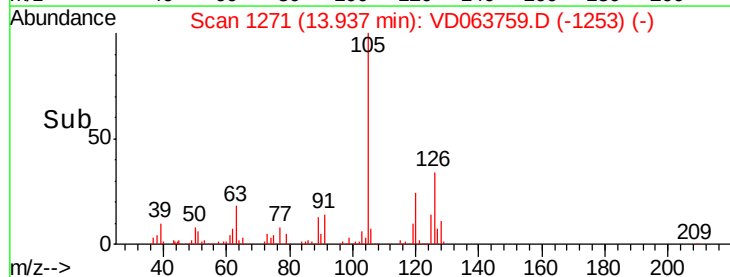
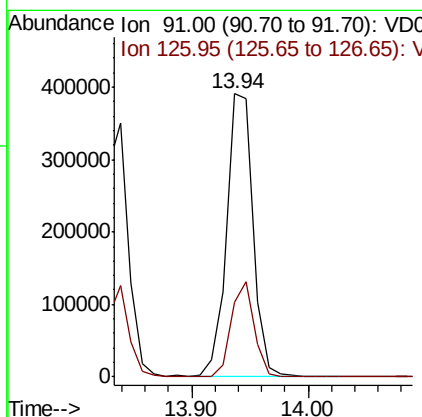
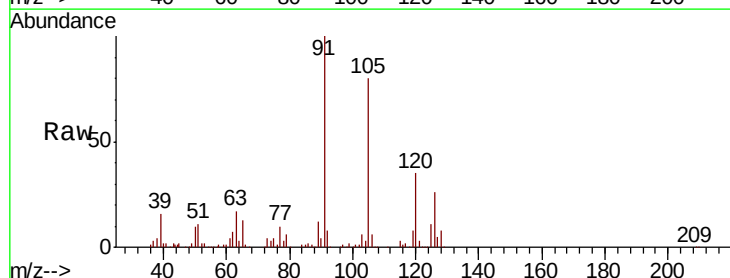
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD02

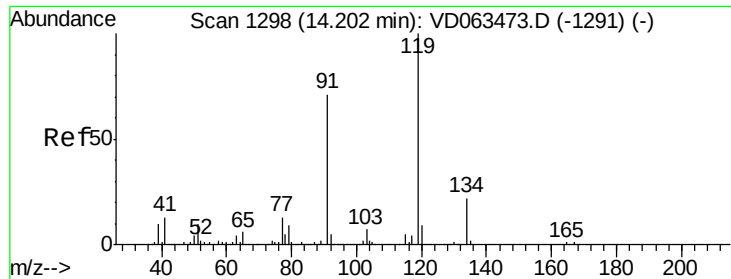
Tgt Ion: 75 Resp: 33457
Ion Ratio Lower Upper
75 100
53 128.6 101.0 151.4
89 49.8 37.0 55.6



#82
4-Chlorotoluene
Concen: 22.710 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD063759.D
Acq: 23 Aug 2019 12:00

Tgt Ion: 91 Resp: 616187
Ion Ratio Lower Upper
91 100
126 26.2 15.2 45.6

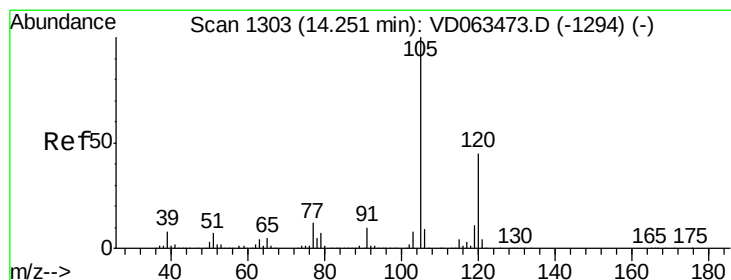
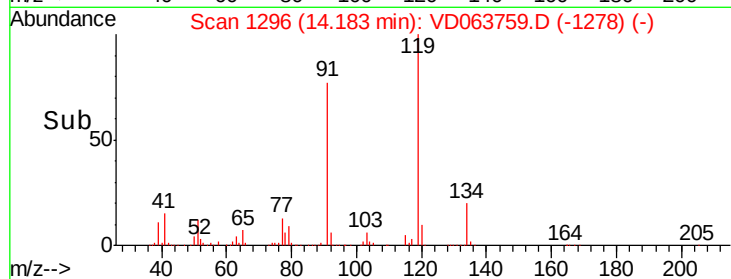
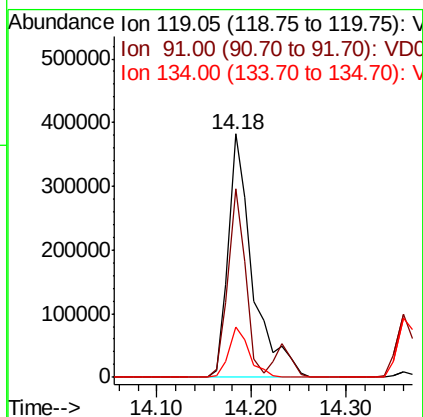
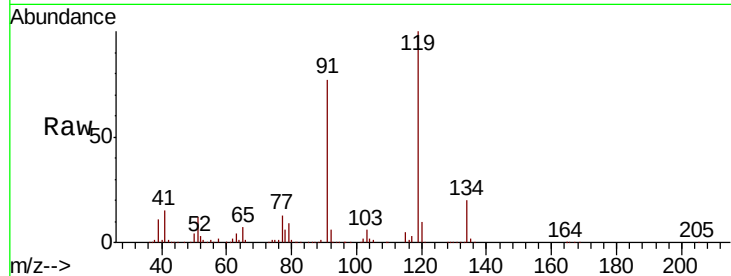




#83
 tert-Butylbenzene
 Concen: 22.156 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

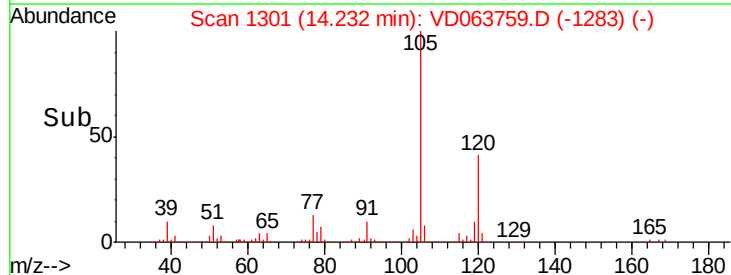
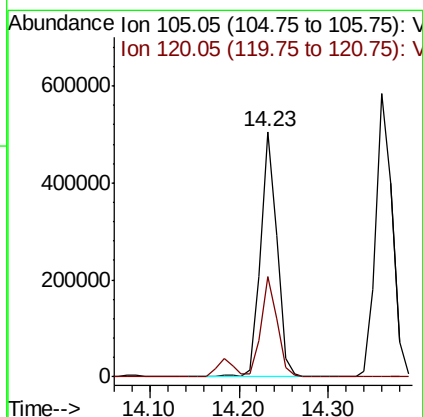
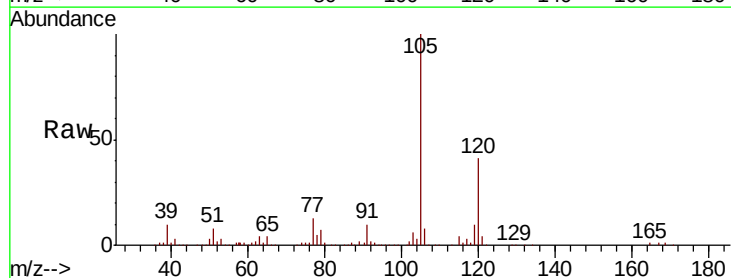
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

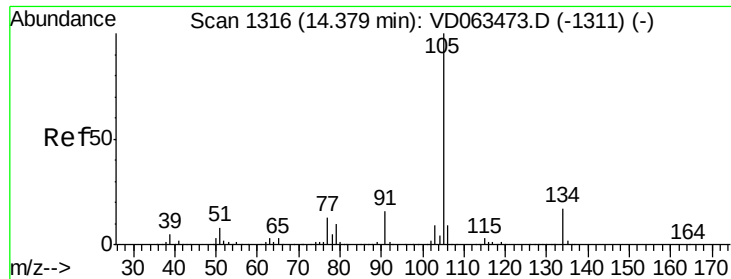
Tgt Ion:119 Resp: 681799
 Ion Ratio Lower Upper
 119 100
 91 77.2 35.5 106.7
 134 20.4 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.487 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion:105 Resp: 635081
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.7 68.1

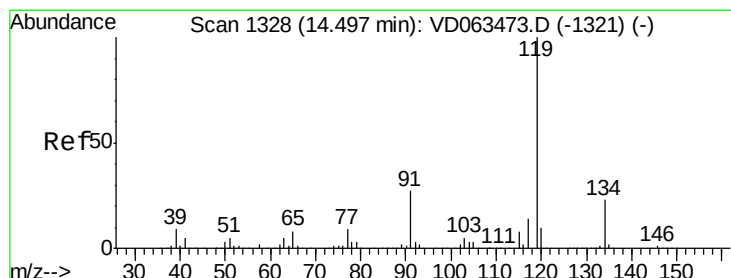
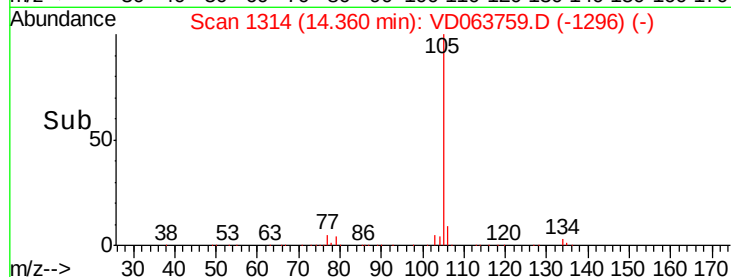
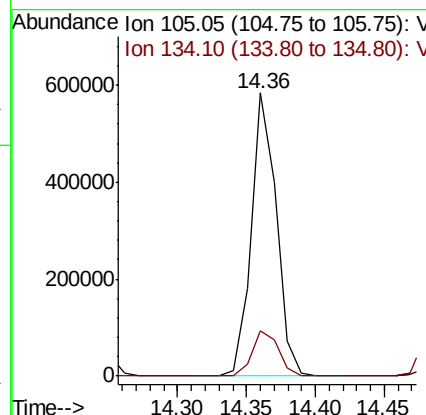
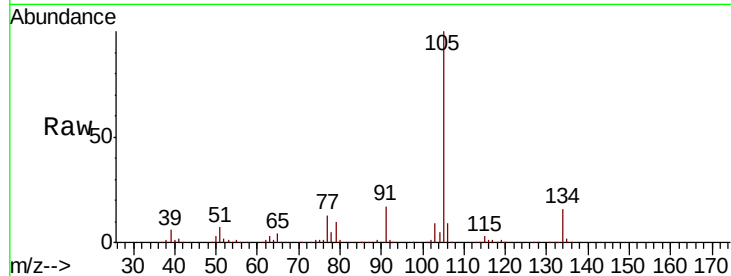




#85
 sec-Butylbenzene
 Concen: 22.765 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

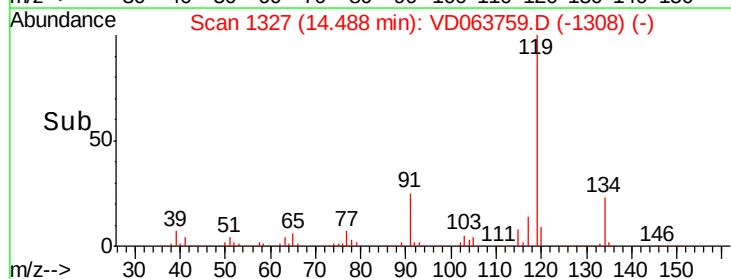
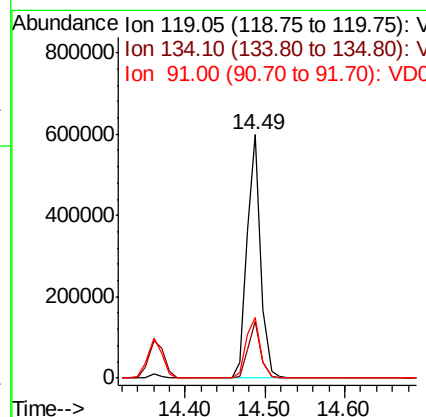
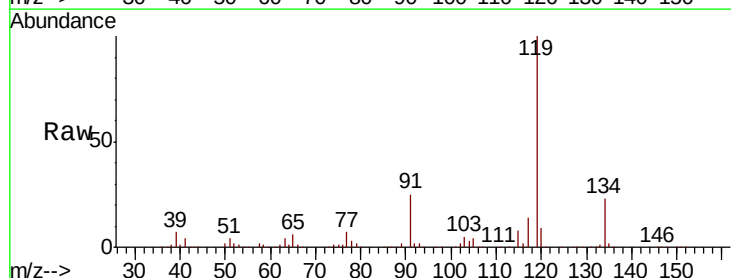
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

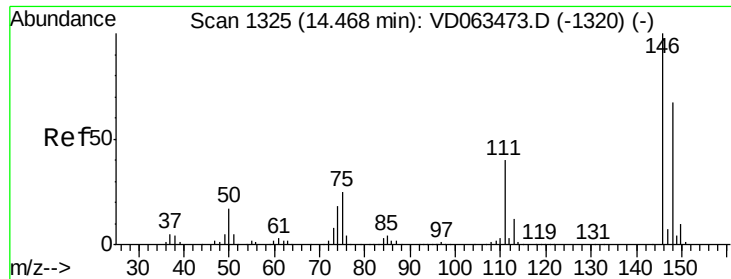
Tgt Ion:105 Resp: 743979
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 22.686 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion:119 Resp: 708877
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.3 33.8
 91 24.7 13.5 40.4

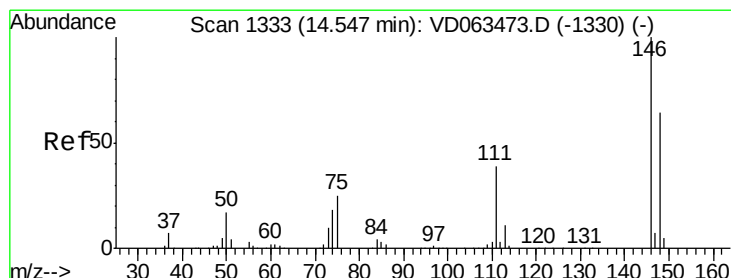
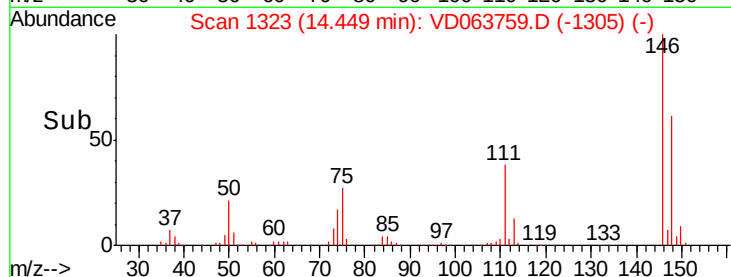
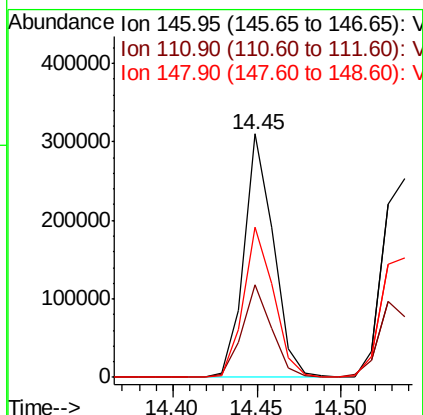
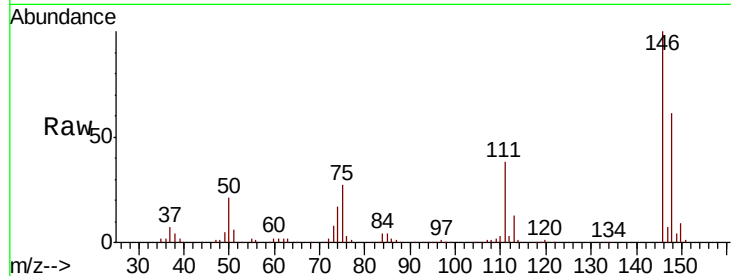




#87
 1,3-Dichlorobenzene
 Concen: 22.788 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

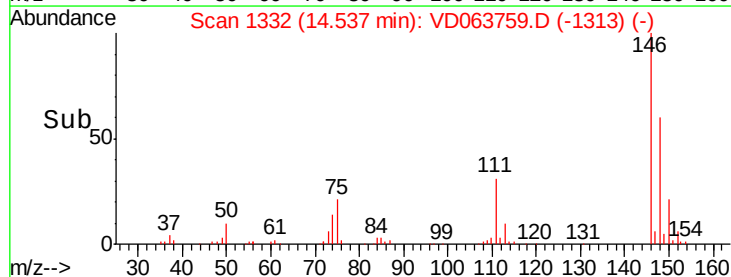
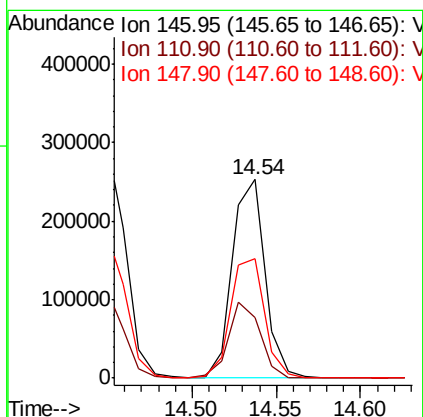
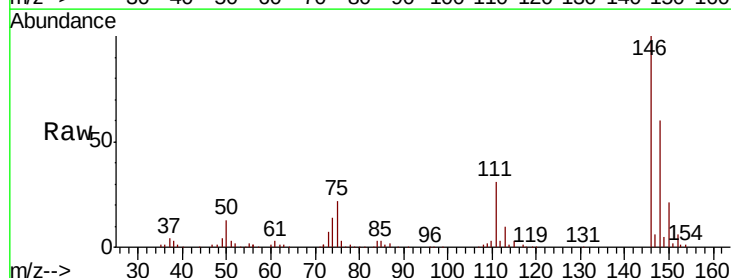
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS02

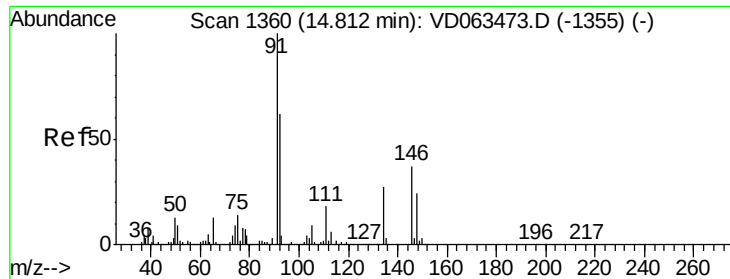
Tgt Ion:146 Resp: 376789
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 60.0
 148 61.4 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.416 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion:146 Resp: 339728
 Ion Ratio Lower Upper
 146 100
 111 30.8 19.7 59.0
 148 59.9 32.1 96.3





#89

n-Butylbenzene

Concen: 22.192 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

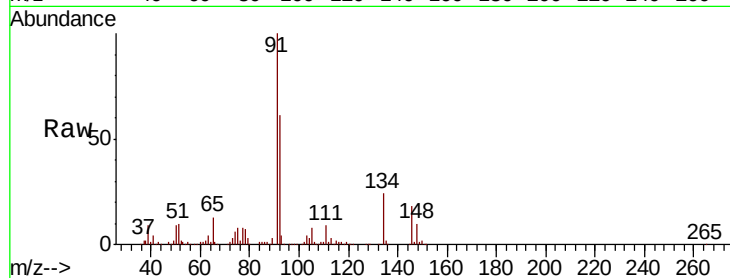
Tgt Ion: 91 Resp: 632902

Ion Ratio Lower Upper

91 100

92 61.4 30.8 92.3

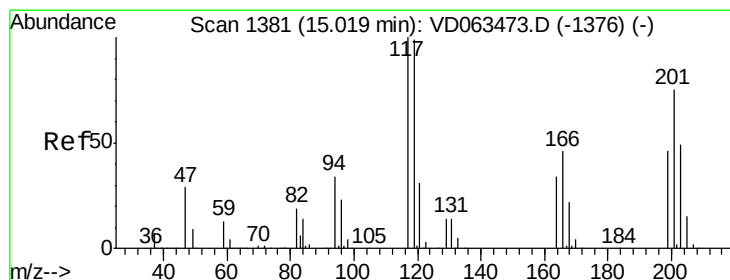
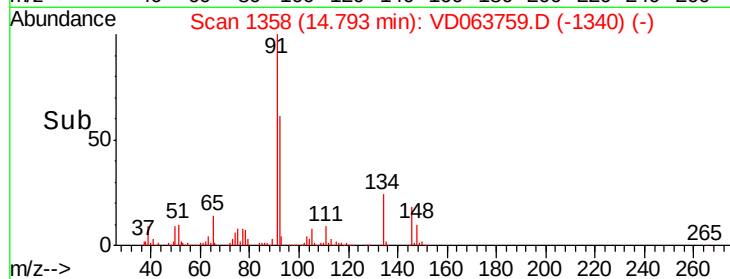
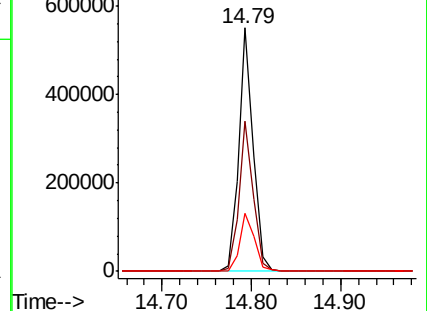
134 23.7 13.4 40.2



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: 21.944 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063759.D

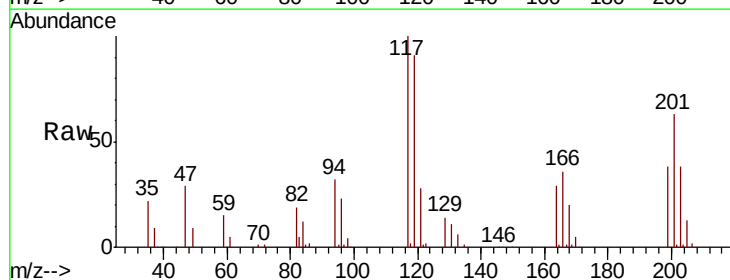
Acq: 23 Aug 2019 12:00

Tgt Ion: 117 Resp: 172347

Ion Ratio Lower Upper

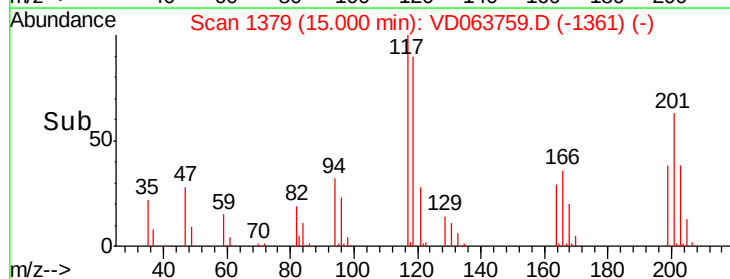
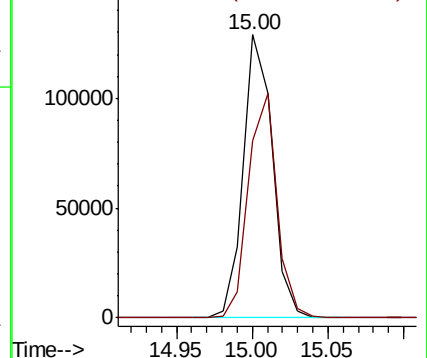
117 100

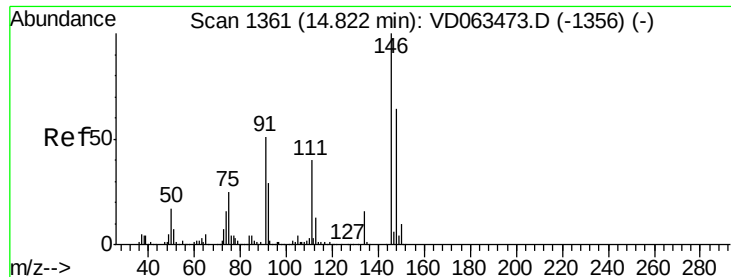
201 62.7 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

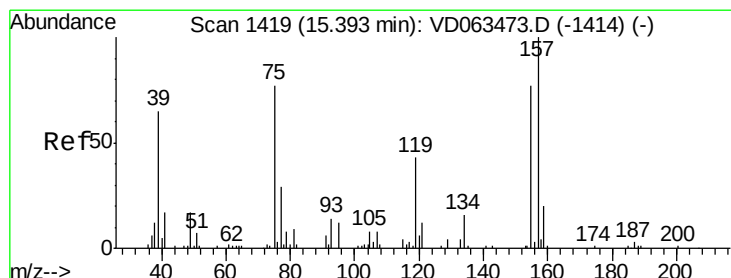
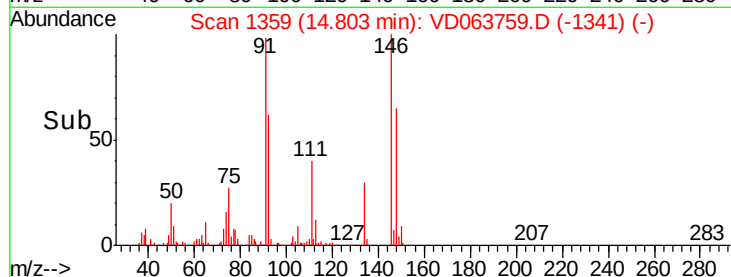
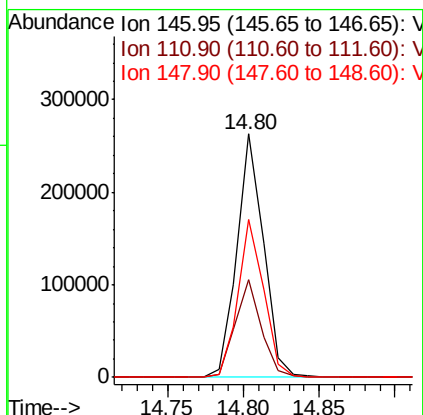
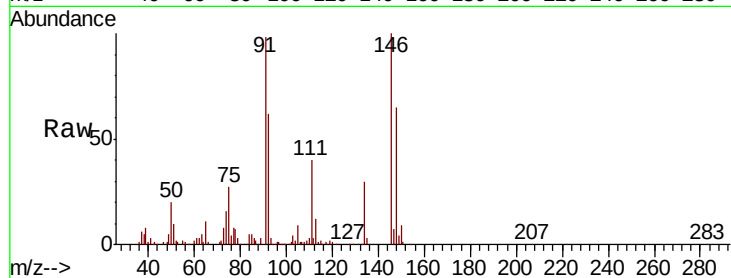




#91
 1,2-Dichlorobenzene
 Concen: 22.899 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

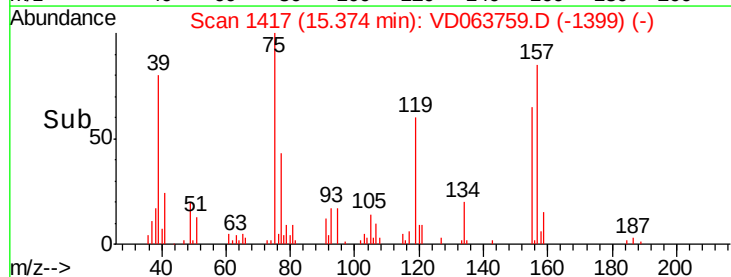
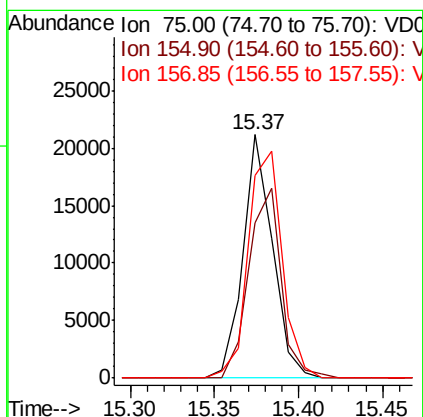
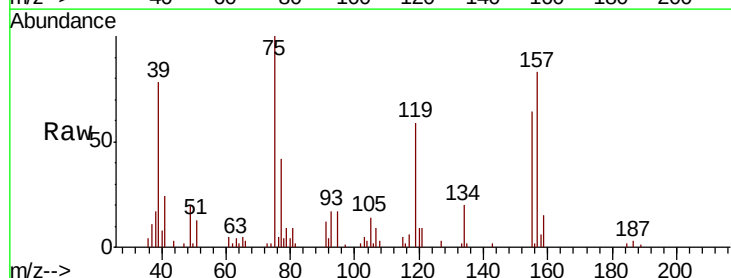
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

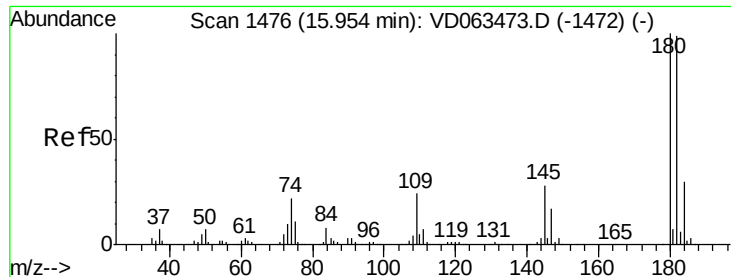
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	64.8	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.584 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.7	50.1	150.3
157	83.3	65.0	195.1

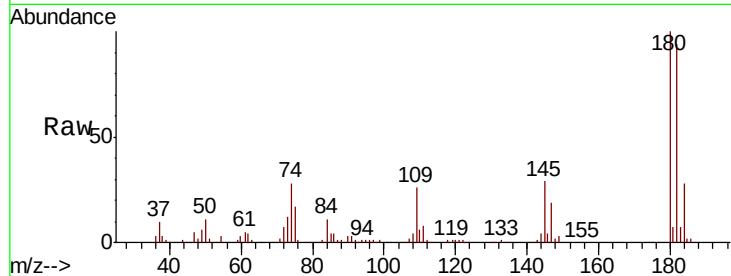




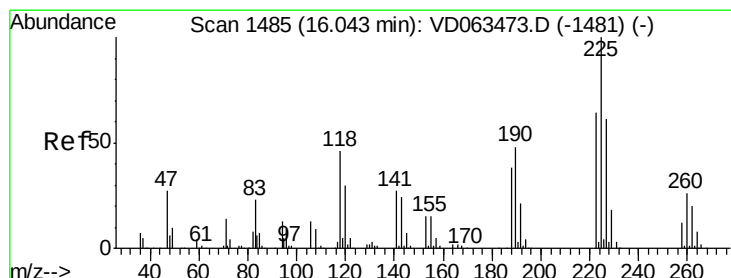
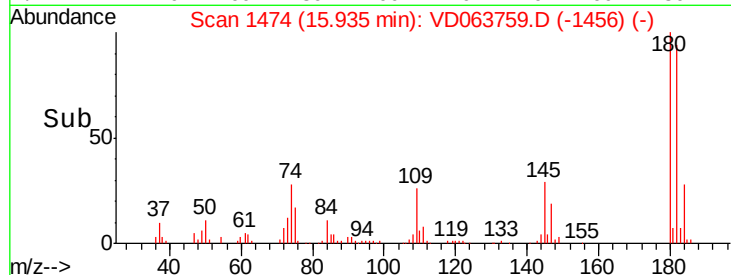
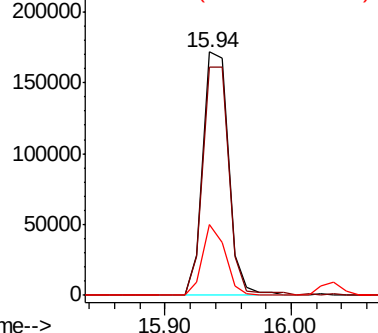
#93
 1,2,4-Trichlorobenzene
 Concen: 23.344 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD02

Tgt Ion:180 Resp: 240961
 Ion Ratio Lower Upper
 180 100
 182 93.7 49.7 149.1
 145 29.0 14.1 42.2

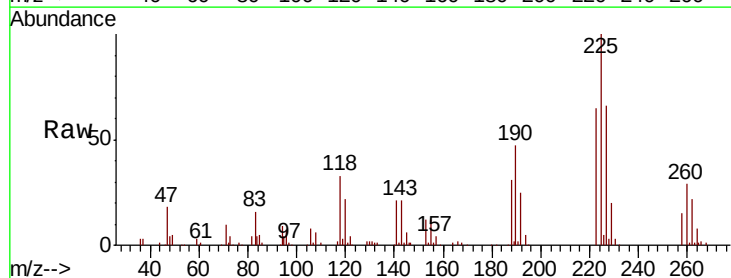


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

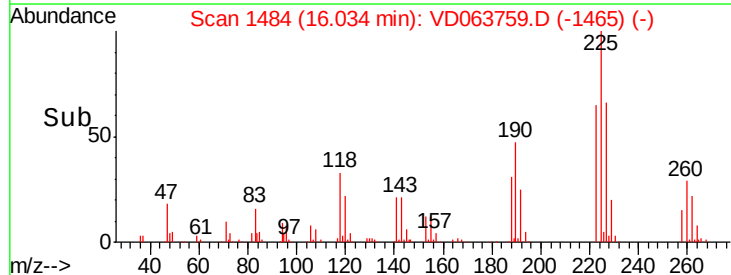
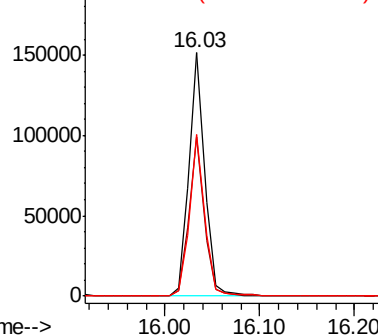


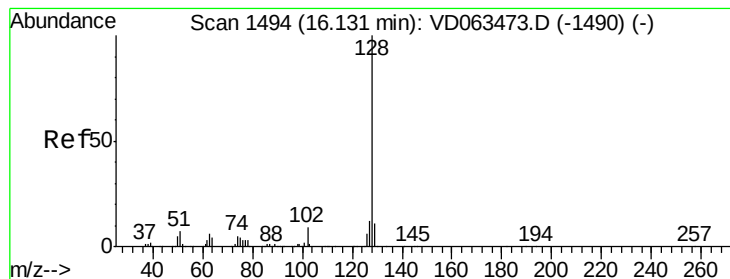
#94
 Hexachlorobutadiene
 Concen: 22.353 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063759.D
 Acq: 23 Aug 2019 12:00

Tgt Ion:225 Resp: 175849
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.9 95.5
 227 66.4 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: 21.675 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD02

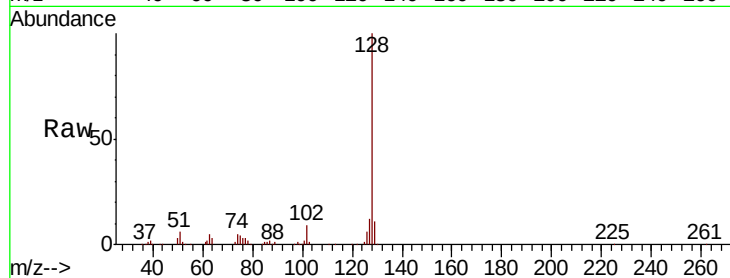
Tgt Ion:128 Resp: 339079

Ion Ratio Lower Upper

128 100

127 12.2 9.4 14.0

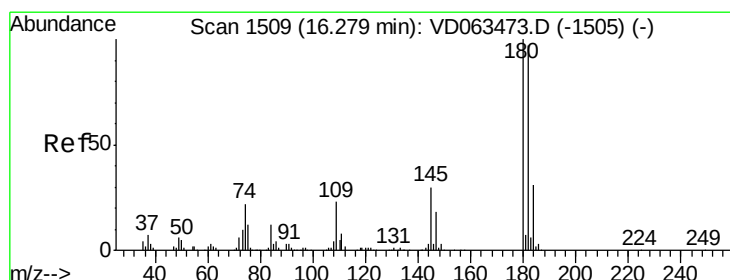
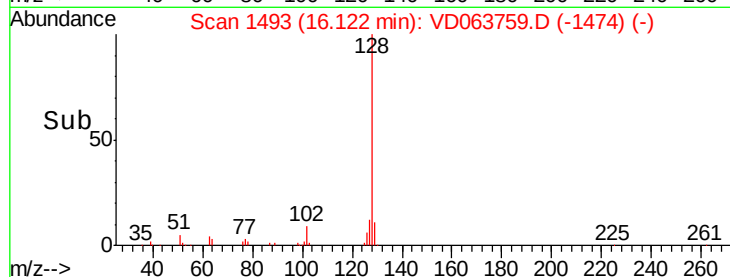
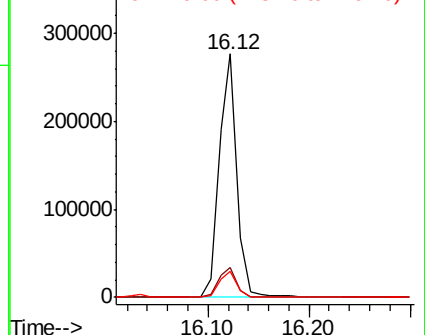
129 10.7 8.5 12.7



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: 23.568 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063759.D

Acq: 23 Aug 2019 12:00

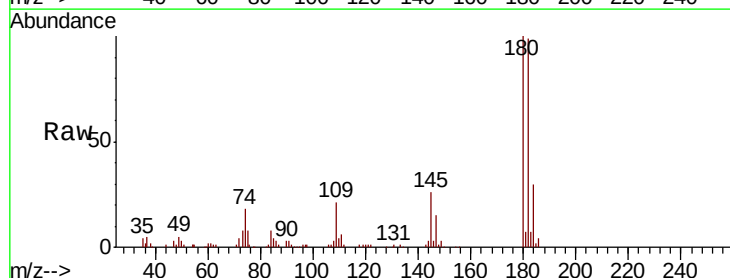
Tgt Ion:180 Resp: 196492

Ion Ratio Lower Upper

180 100

182 99.4 48.4 145.2

145 25.9 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

