

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063604.D
 Acq On : 15 Aug 2019 14:39
 Operator : JC/SY
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 15:50:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1113210	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1596156	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1194998	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	613204	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	592714	49.81	ug/l	-0.03
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	6.91	113	656907	48.87	ug/l	-0.03
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.40	98	1522214	51.50	ug/l	-0.02
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	13.55	95	606532	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	254145	18.870	ug/l	94
3) Chloromethane	1.74	50	219221	20.833	ug/l	97
4) Vinyl Chloride	1.84	62	213218	20.412	ug/l	100
5) Bromomethane	2.13	94	91446	18.553	ug/l #	98
6) Chloroethane	2.24	64	102571	21.472	ug/l	97
7) Trichlorofluoromethane	2.51	101	398473	19.448	ug/l	100
8) Diethyl Ether	2.86	74	49877	17.241	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	249108	20.590	ug/l	99
10) Methyl Iodide	3.29	142	285360	16.670	ug/l	93
11) Tert butyl alcohol	4.06	59	58106	112.173	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	182051	20.239	ug/l	88
13) Acrolein	3.02	56	40421	79.276	ug/l	95
14) Allyl chloride	3.60	41	280356	20.733	ug/l	96
15) Acrylonitrile	4.19	53	146076	106.464	ug/l	96
16) Acetone	3.21	43	213026	88.067	ug/l	96
17) Carbon Disulfide	3.35	76	572237	20.157	ug/l	98
18) Methyl Acetate	3.63	43	93166	20.334	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	399832	22.226	ug/l	95
20) Methylene Chloride	3.80	84	203356	19.442	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	207782	21.951	ug/l	93
22) Diisopropyl ether	5.10	45	578121	20.718	ug/l	95
23) Vinyl Acetate	5.04	43	1697415	104.637	ug/l	100
24) 1,1-Dichloroethane	4.97	63	358939	20.740	ug/l	98
25) 2-Butanone	6.05	43	243329	101.854	ug/l	98
26) 2,2-Dichloropropane	6.00	77	350310	20.322	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	214317	20.694	ug/l	93
28) Bromochloromethane	6.42	49	142183	20.271	ug/l	86
29) Tetrahydrofuran	6.45	42	115354	103.623	ug/l	98
30) Chloroform	6.65	83	441454	20.521	ug/l	98
31) Cyclohexane	6.94	56	215934	20.098	ug/l #	91
32) 1,1,1-Trichloroethane	6.85	97	412816	20.061	ug/l	94
36) 1,1-Dichloropropene	7.13	75	298917	21.184	ug/l	96
37) Ethyl Acetate	6.17	43	125465	21.220	ug/l #	94
38) Carbon Tetrachloride	7.10	117	408805	19.223	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	246445	20.540	ug/l	95
40) Benzene	7.44	78	619327	19.945	ug/l	100
41) Methacrylonitrile	6.44	41	153145	20.571	ug/l	96
42) 1,2-Dichloroethane	7.57	62	307563	19.698	ug/l	99
43) Isopropyl Acetate	9.23	43	156685	19.786	ug/l #	94
44) Trichloroethene	8.53	130	236741	19.947	ug/l	93
45) 1,2-Dichloropropane	8.93	63	140904	19.485	ug/l	97
46) Dibromomethane	9.05	93	126102	20.420	ug/l	98
47) Bromodichloromethane	9.37	83	307203	19.394	ug/l	94
48) Methyl methacrylate	9.11	41	103957	19.357	ug/l	92
49) 1,4-Dioxane	9.06	88	18519	401.341	ug/l #	56
51) 4-Methyl-2-Pentanone	10.29	43	564649	104.203	ug/l	98
52) Toluene	10.50	92	420466	21.023	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	273834	21.183	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	275397	18.893	ug/l	86
55) 1,1,2-Trichloroethane	11.18	97	130324	19.290	ug/l	96
56) Ethyl methacrylate	11.03	69	148130	20.201	ug/l	97
57) 1,3-Dichloropropane	11.40	76	187377	18.348	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	382530	98.811	ug/l	91
59) 2-Hexanone	11.53	43	419118	106.299	ug/l	99
60) Dibromochloromethane	11.68	129	246798	20.075	ug/l	99
61) 1,2-Dibromoethane	11.80	107	157121	19.211	ug/l	98
64) Tetrachloroethene	11.25	164	202830	21.987	ug/l	95
65) Chlorobenzene	12.39	112	512266	22.872	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	213490	21.659	ug/l	95
67) Ethyl Benzene	12.52	91	855576	21.970	ug/l	98
68) m/p-Xylenes	12.67	106	596428	43.592	ug/l	99
69) o-Xylene	13.04	106	293161	22.263	ug/l	95
70) Styrene	13.07	104	498514	21.282	ug/l	95
71) Bromoform	13.23	173	155024	22.937	ug/l	93
73) Isopropylbenzene	13.40	105	894949	22.946	ug/l	94
74) N-amyl acetate	13.26	43	235775	24.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	145274	22.440	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	153671	21.836	ug/l	91
77) Bromobenzene	13.66	156	237151	22.247	ug/l	92
78) n-propylbenzene	13.77	91	992381	21.746	ug/l	99
79) 2-Chlorotoluene	13.84	91	582218	22.127	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	740504	21.729	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	41706	22.049	ug/l	93
82) 4-Chlorotoluene	13.95	91	686640	21.701	ug/l	96
83) tert-Butylbenzene	14.18	119	840425	23.419	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	753180	23.886	ug/l	95
85) sec-Butylbenzene	14.36	105	883437	23.181	ug/l	98
86) p-Isopropyltoluene	14.49	119	847288	23.252	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	428796	22.239	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	398378	21.535	ug/l	96
89) n-Butylbenzene	14.79	91	739984	22.250	ug/l	95
90) Hexachloroethane	15.00	117	199333	21.764	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	361110	22.074	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25659	21.050	ug/l	68

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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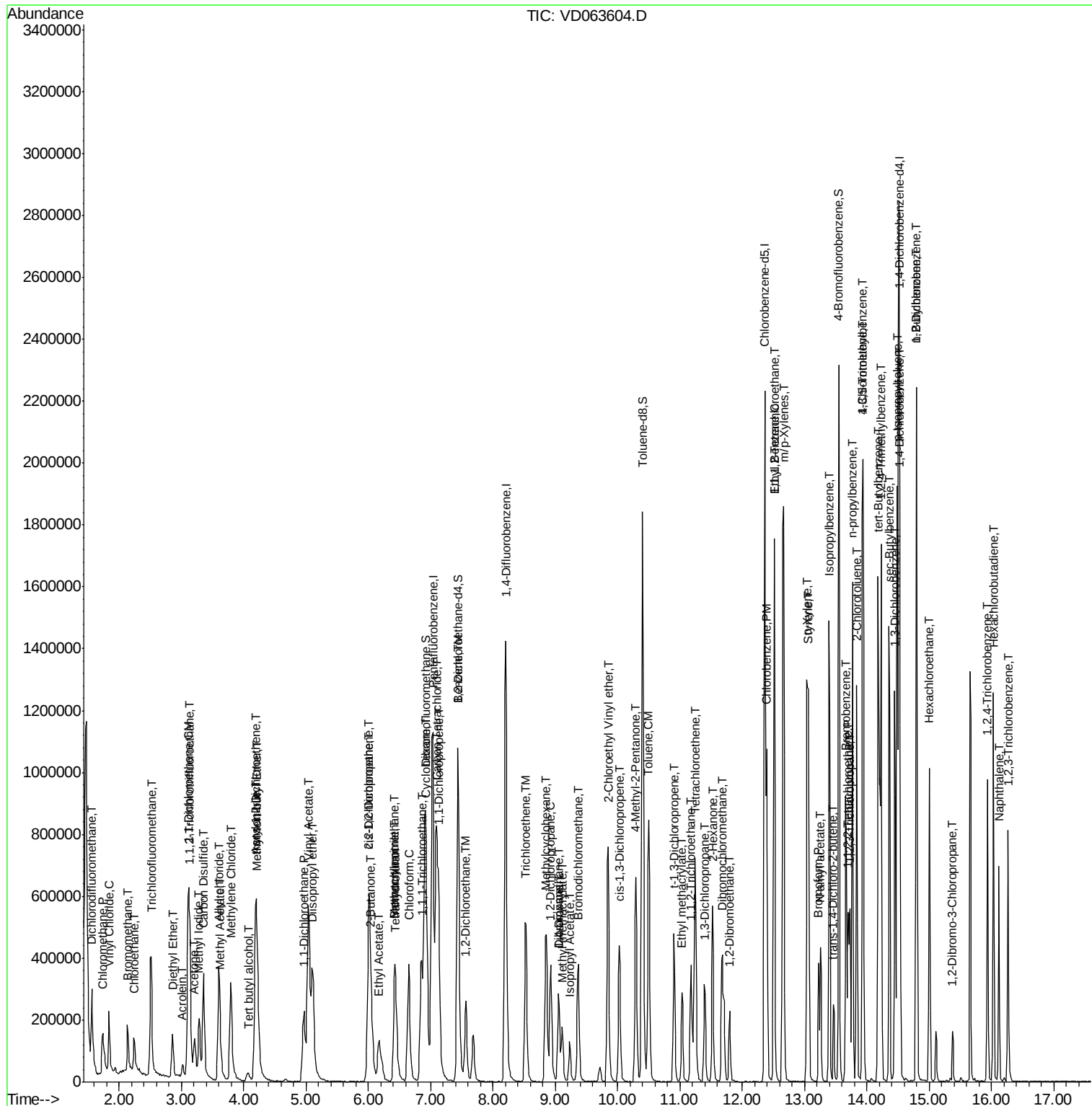
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	280417	23.296	ug/l	97
94) Hexachlorobutadiene	16.03	225	207563	22.625	ug/l	97
95) Naphthalene	16.12	128	423849	23.234	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	214670	22.080	ug/l	93

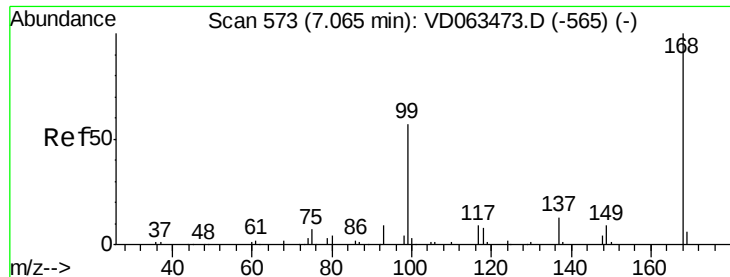
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

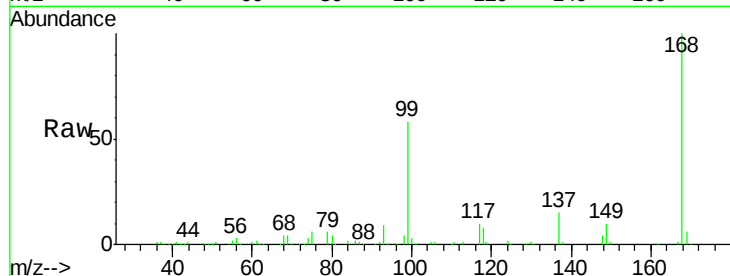
VD0815SBS01

Tot Ion:168 Resp: 1113210

Ion Ratio Lower Upper

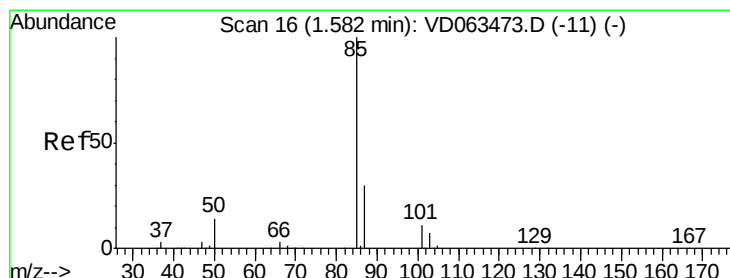
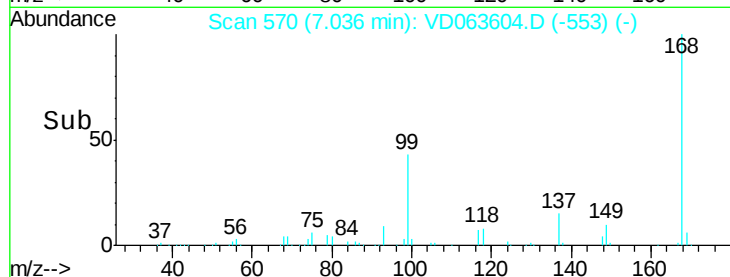
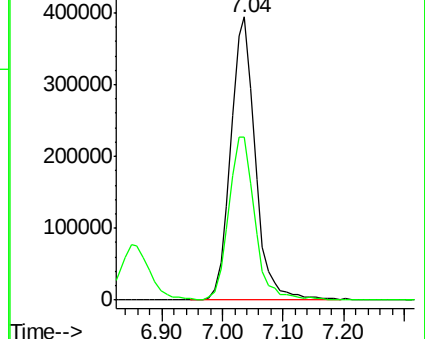
168 100

99 57.8 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: 18.870 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063604.D

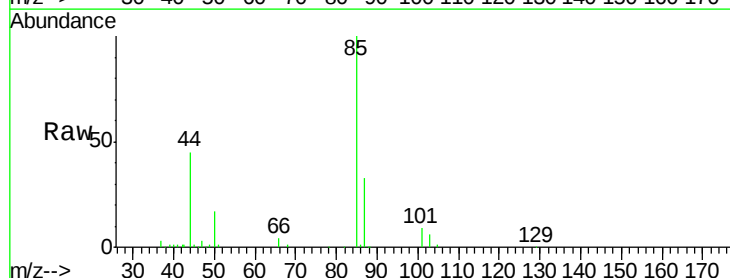
Acq: 15 Aug 2019 14:39

Tgt Ion: 85 Resp: 254145

Ion Ratio Lower Upper

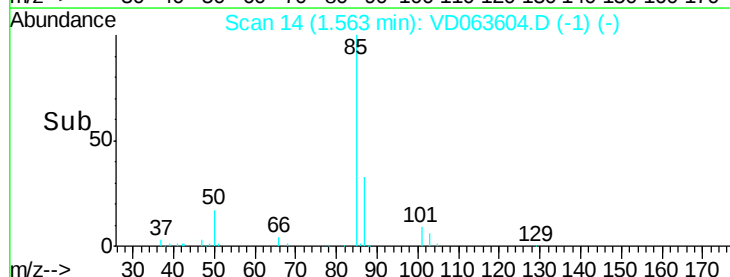
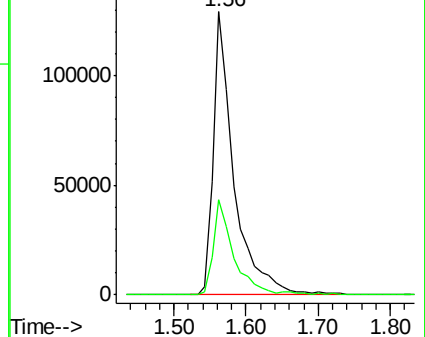
85 100

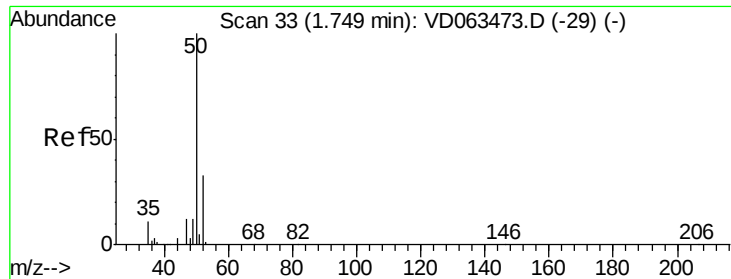
87 33.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.833 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

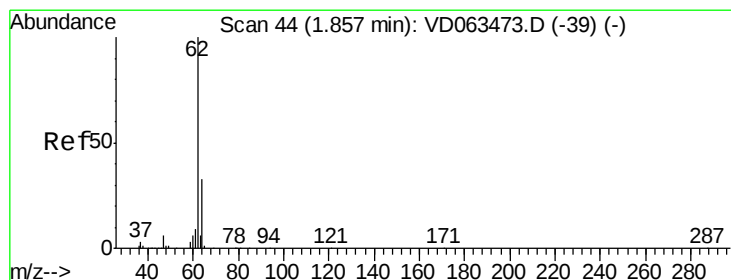
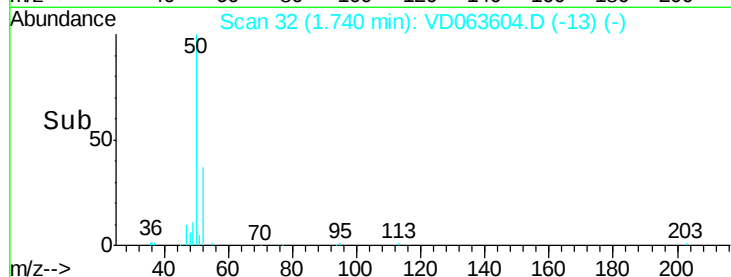
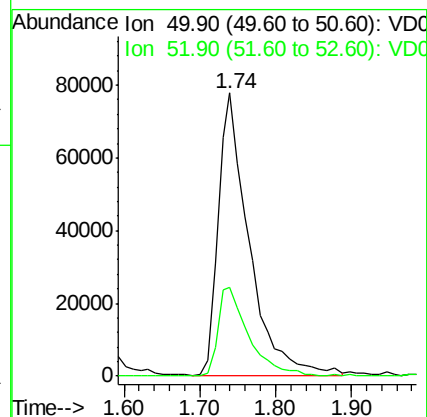
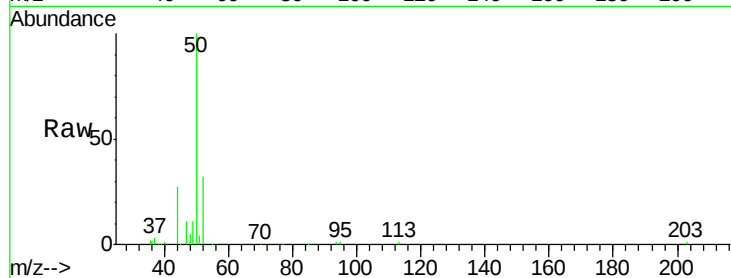
VD0815SBS01

Tot Ion: 50 Resp: 219221

Ion Ratio Lower Upper

50 100

52 31.5 26.6 40.0



#4

Vinyl Chloride

Concen: 20.412 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063604.D

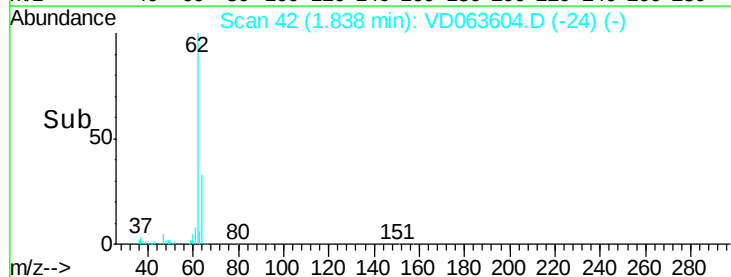
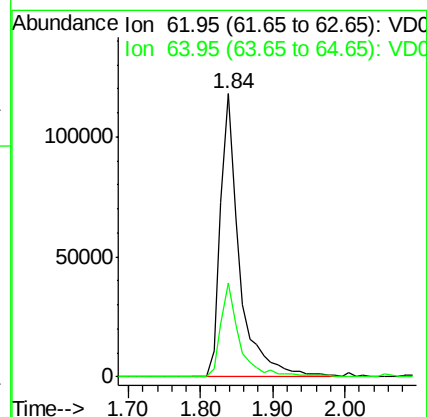
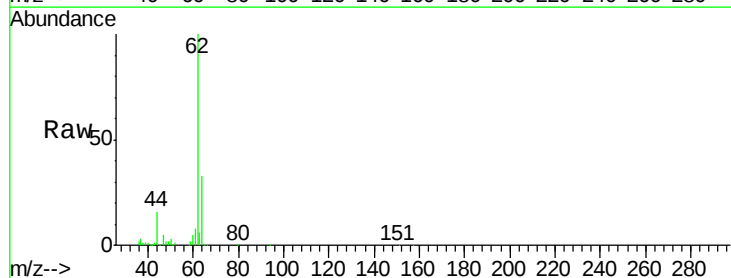
Acq: 15 Aug 2019 14:39

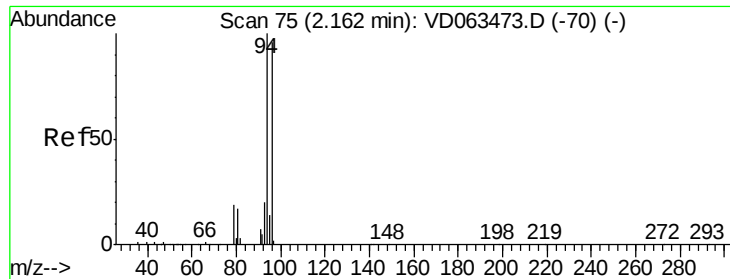
Tgt Ion: 62 Resp: 213218

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6





#5

Bromomethane

Concen: 18.553 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

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VD0815SBS01

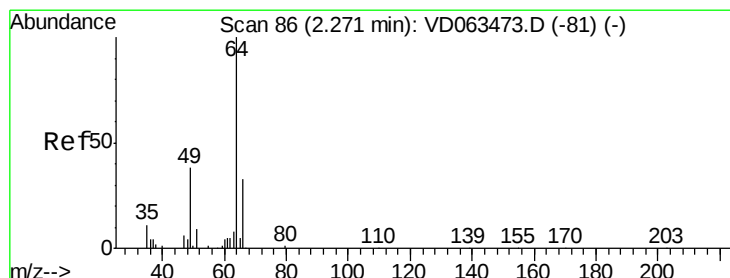
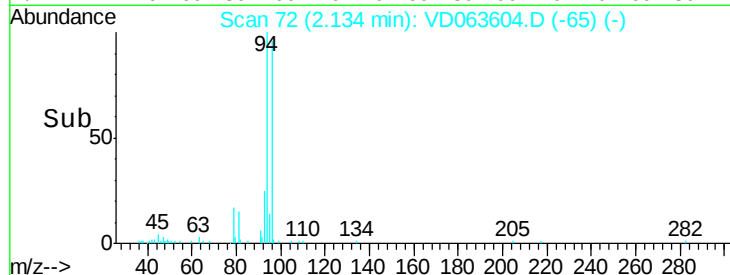
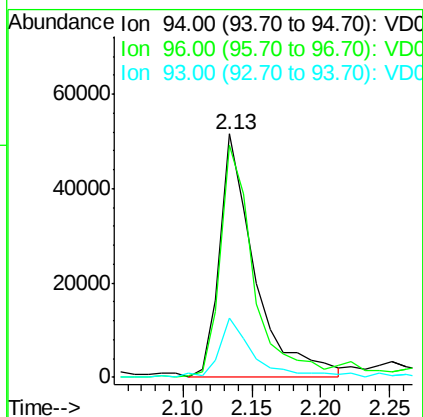
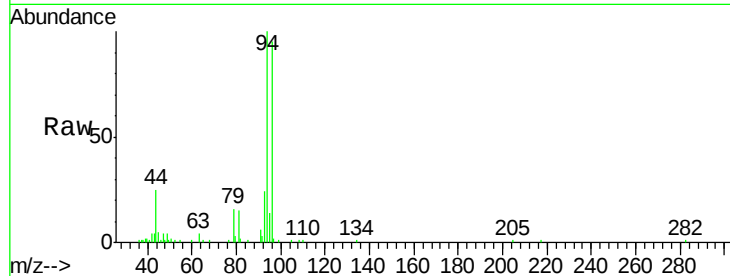
Tot Ion: 94 Resp: 91446

Ion Ratio Lower Upper

94 100

96 95.2 76.5 114.7

93 24.3 15.8 23.8#



#6

Chloroethane

Concen: 21.472 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063604.D

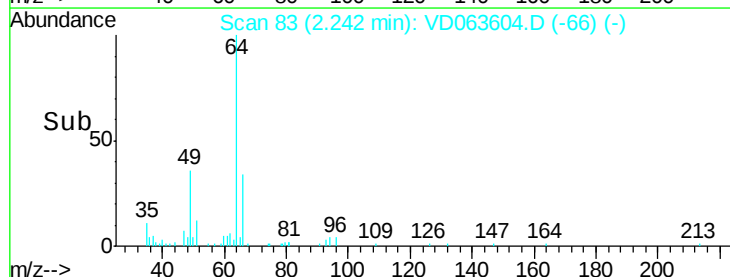
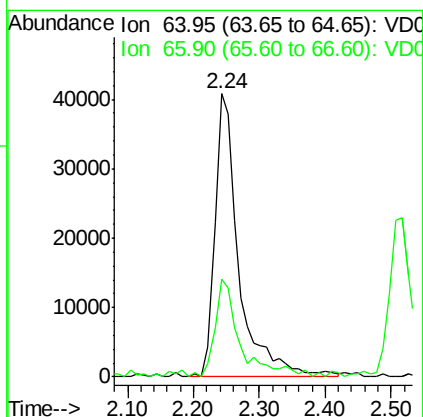
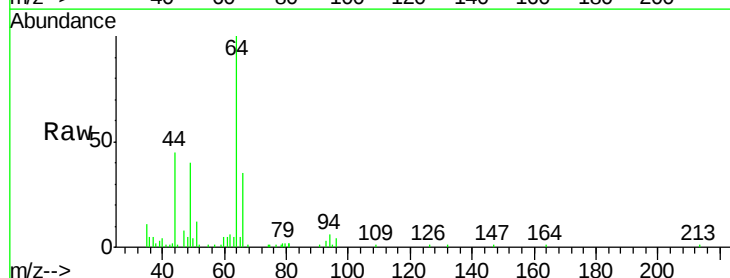
Acq: 15 Aug 2019 14:39

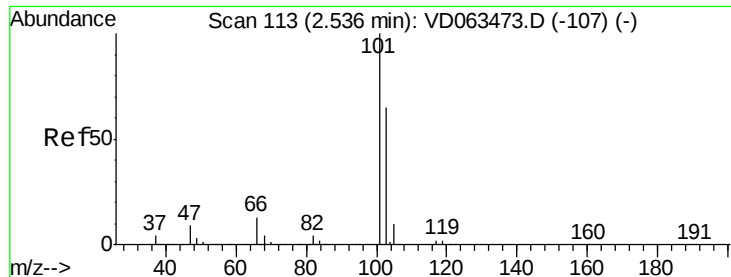
Tgt Ion: 64 Resp: 102571

Ion Ratio Lower Upper

64 100

66 34.8 26.3 39.5



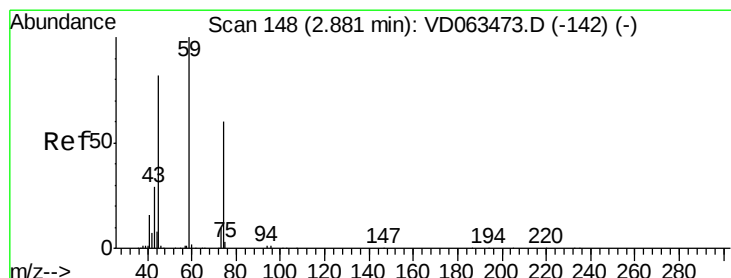
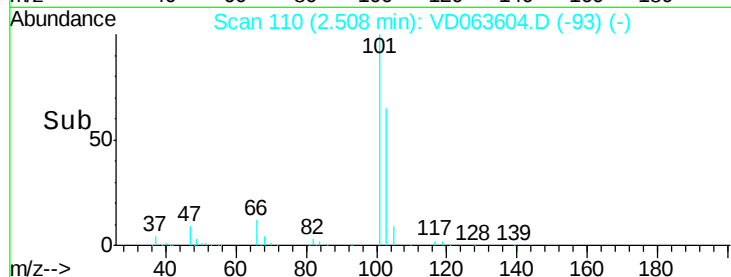
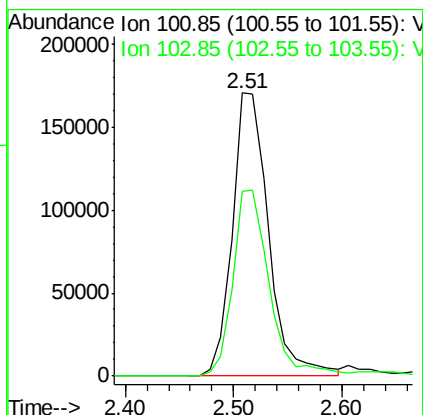
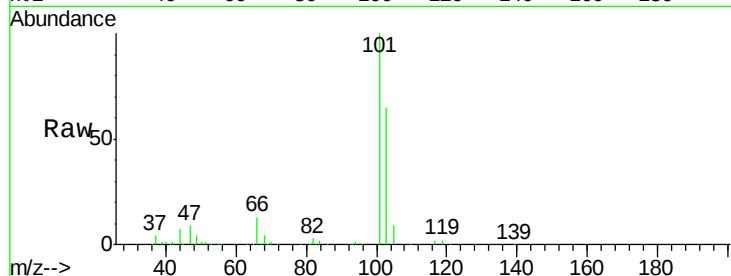


#7

Trichlorofluoromethane
 Concen: 19.448 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
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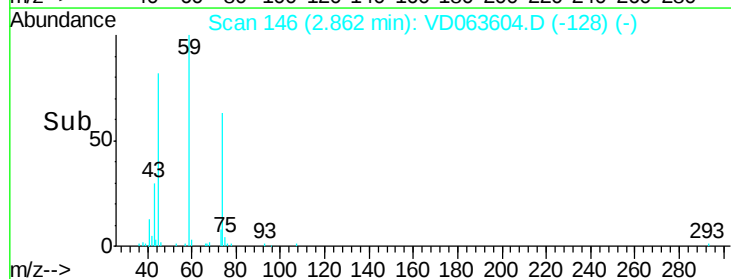
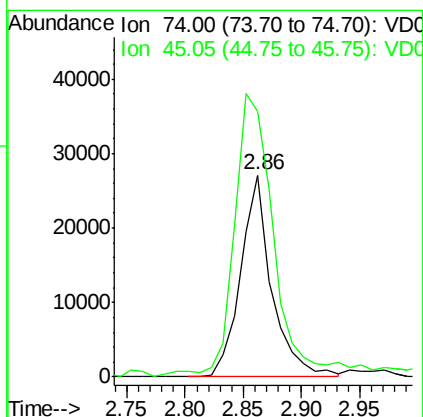
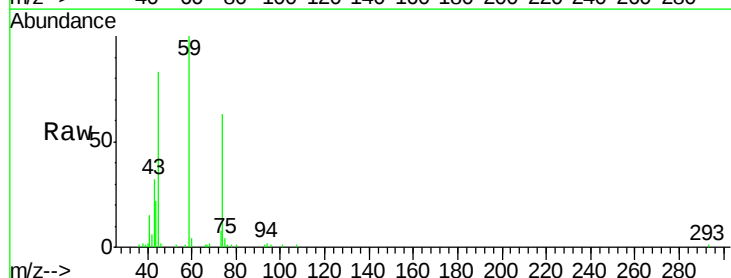
Tot Ion:101 Resp: 398473
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.2 78.4

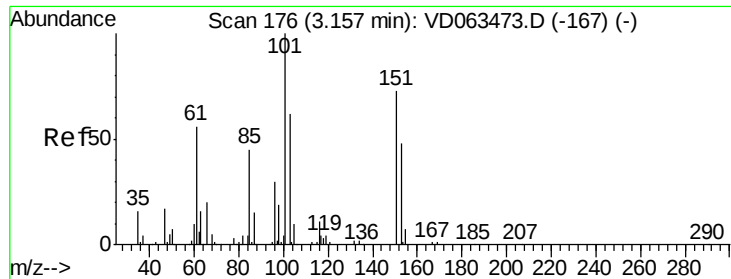


#8

Diethyl Ether
 Concen: 17.241 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 74 Resp: 49877
 Ion Ratio Lower Upper
 74 100
 45 131.7 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.590 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

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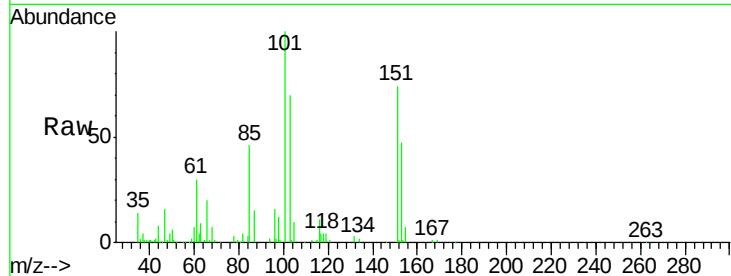
Tot Ion:101 Resp: 249108

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.6

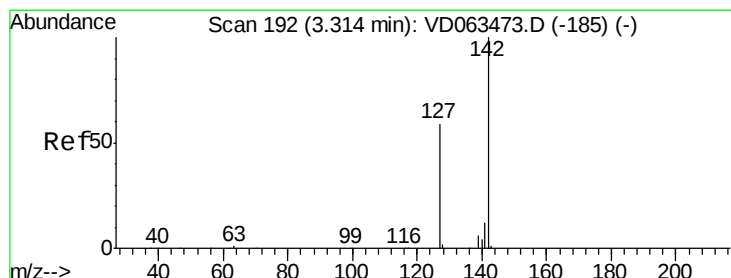
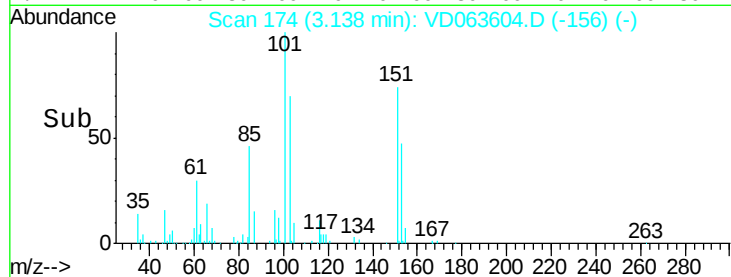
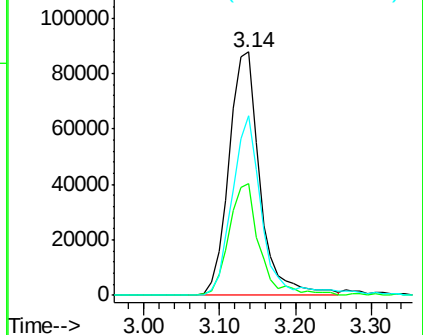
151 73.8 58.6 88.0



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: 16.670 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

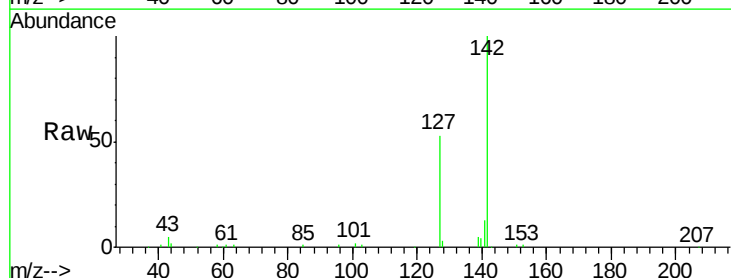
Tgt Ion:142 Resp: 285360

Ion Ratio Lower Upper

142 100

127 53.0 47.2 70.8

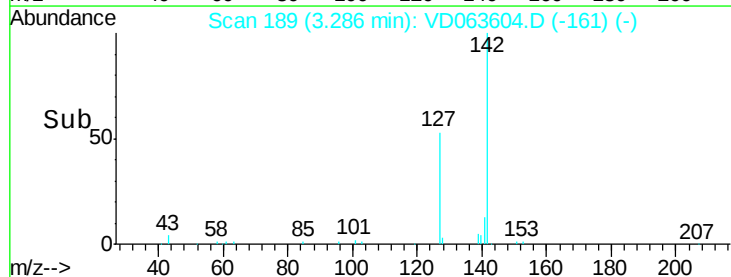
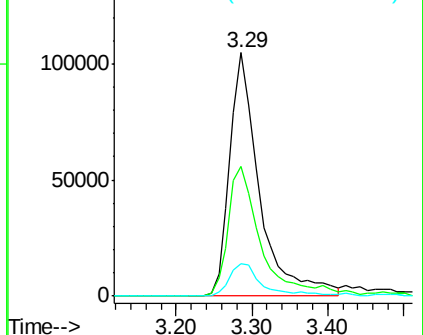
141 13.5 9.8 14.8

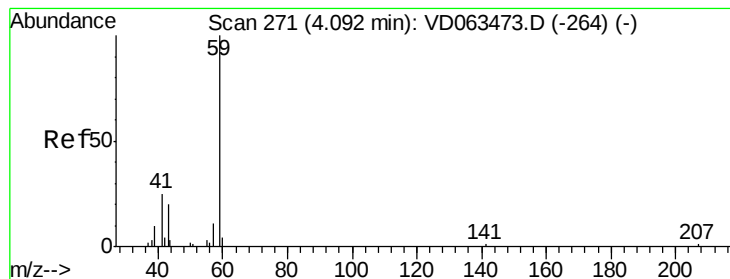


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 112.173 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

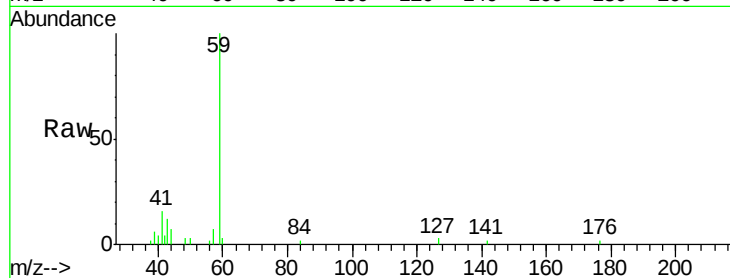
VD0815SBS01

Tot Ion: 59 Resp: 58106

Ion Ratio Lower Upper

59 100

57 7.4 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

25000

20000

15000

10000

5000

0

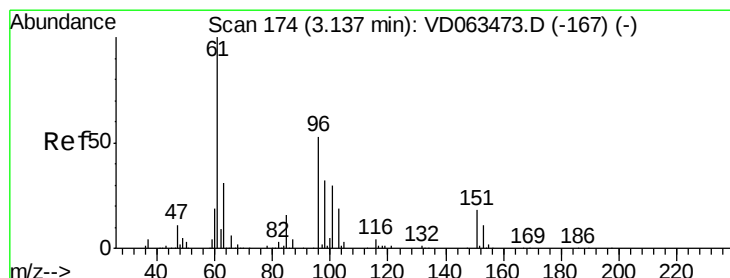
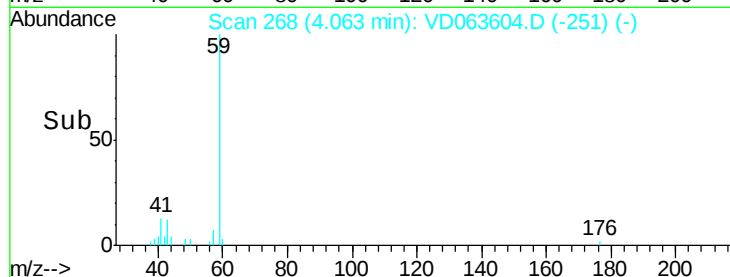
Time-->

3.90

4.00

4.10

4.20



#12

1,1-Dichloroethene

Concen: 20.239 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

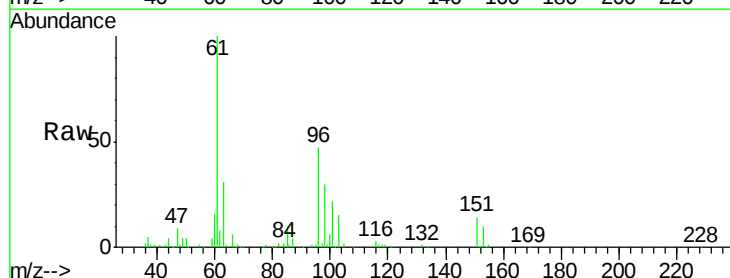
Tgt Ion: 96 Resp: 182051

Ion Ratio Lower Upper

96 100

61 211.8 151.7 227.5

98 63.3 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

200000

150000

100000

50000

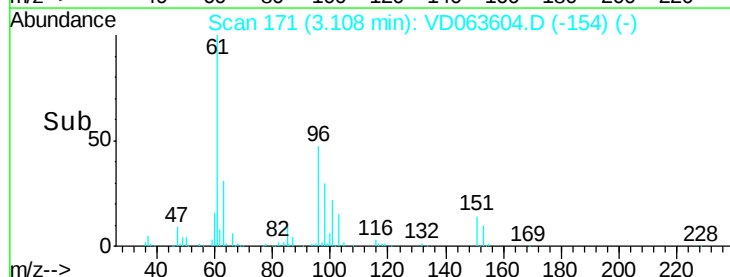
0

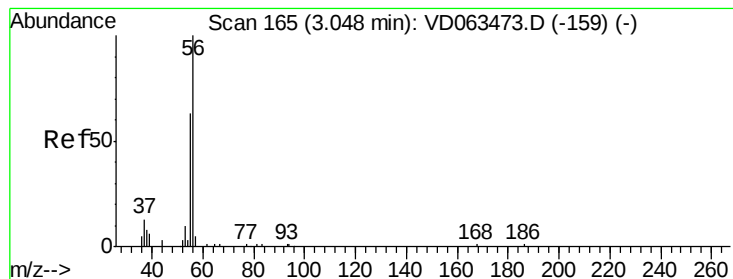
Time-->

3.00

3.10

3.20





#13

Acrolein

Concen: 79.276 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

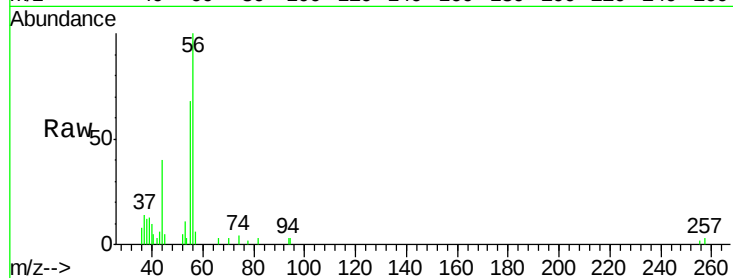
VD0815SBS01

Tot Ion: 56 Resp: 40421

Ion Ratio Lower Upper

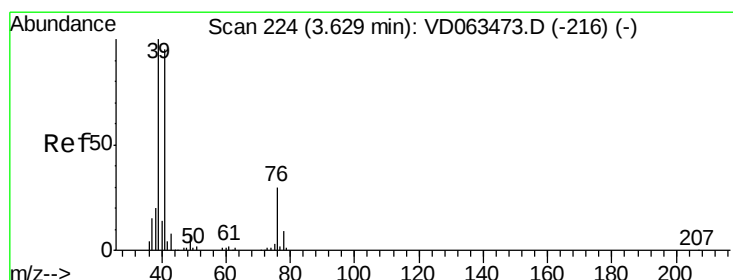
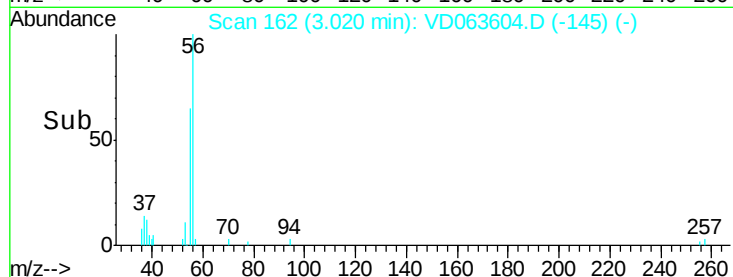
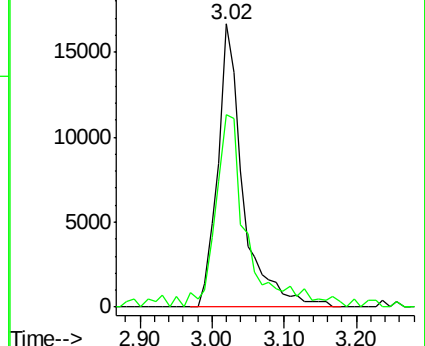
56 100

55 68.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.733 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

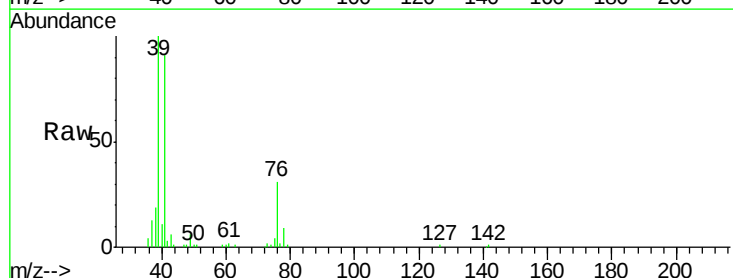
Tgt Ion: 41 Resp: 280356

Ion Ratio Lower Upper

41 100

39 109.8 84.2 126.4

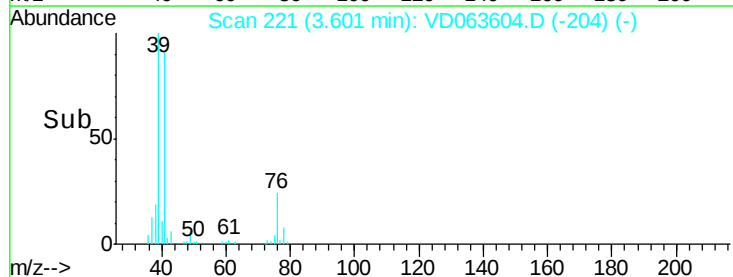
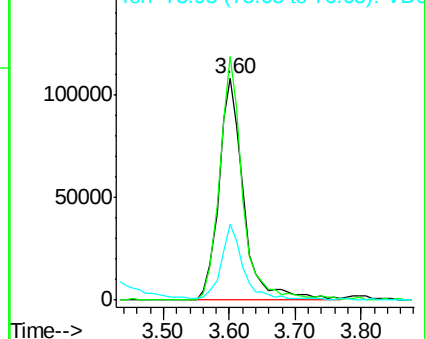
76 34.4 26.0 39.0

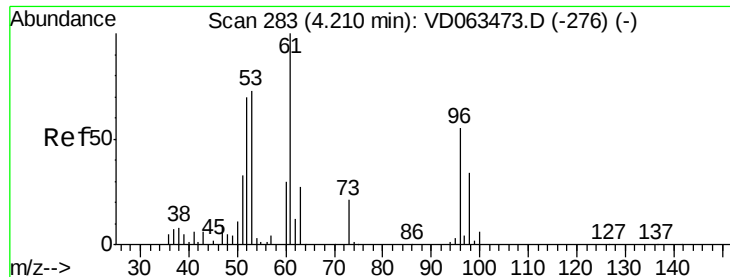


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.464 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

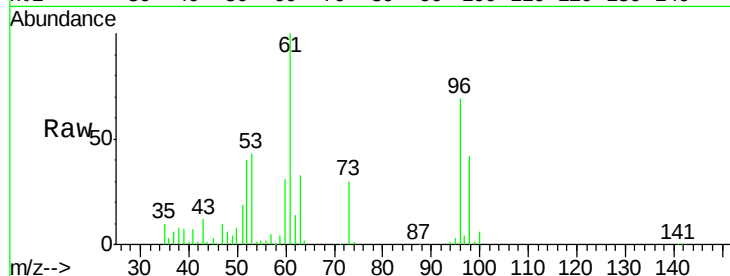
Tot Ion: 53 Resp: 146076

Ion Ratio Lower Upper

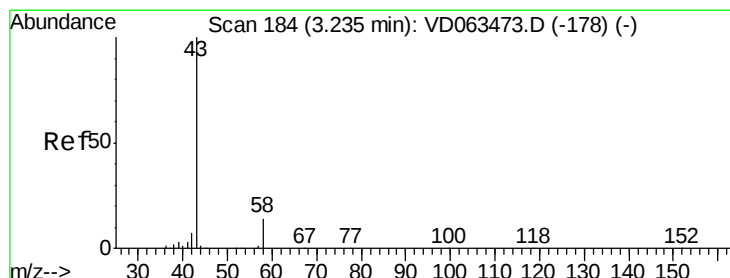
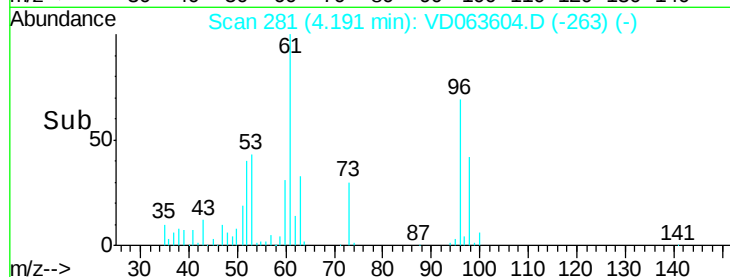
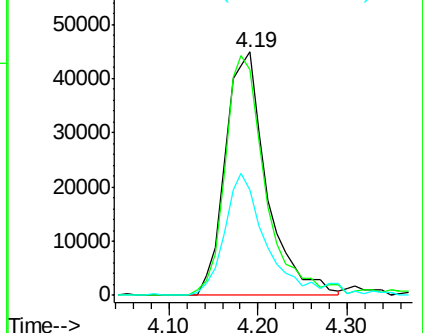
53 100

52 92.6 77.4 116.0

51 43.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 88.067 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063604.D

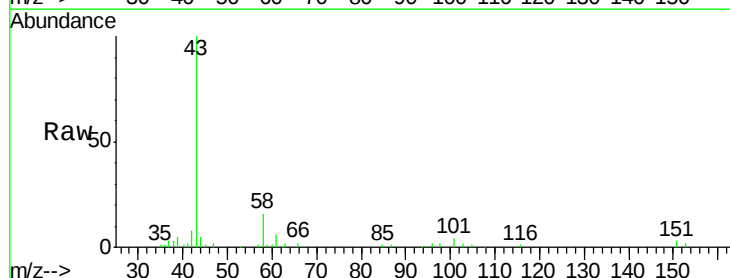
Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 213026

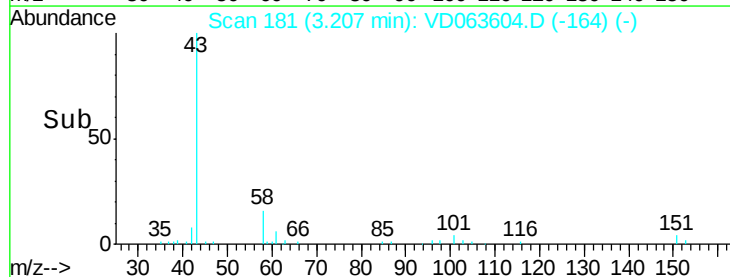
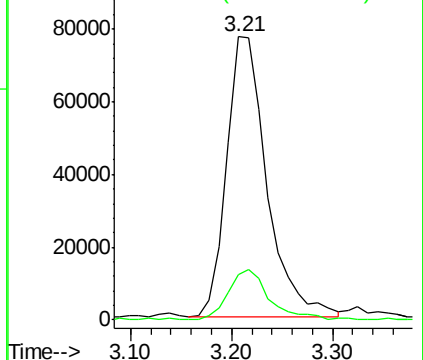
Ion Ratio Lower Upper

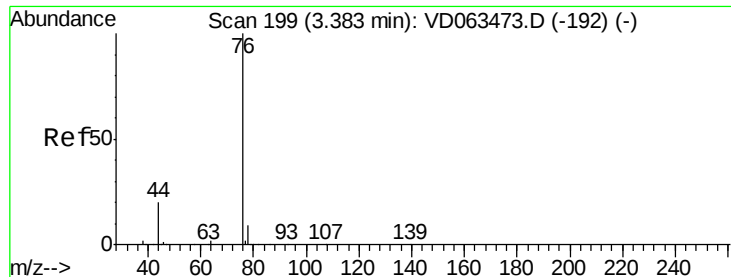
43 100

58 16.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

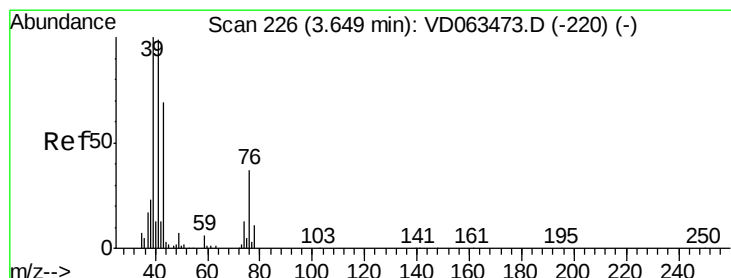
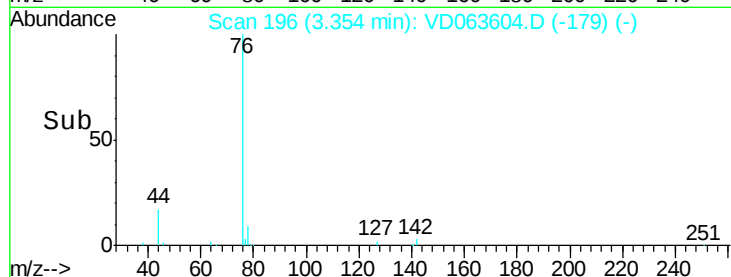
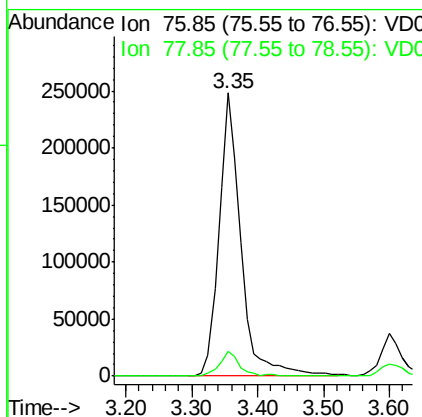
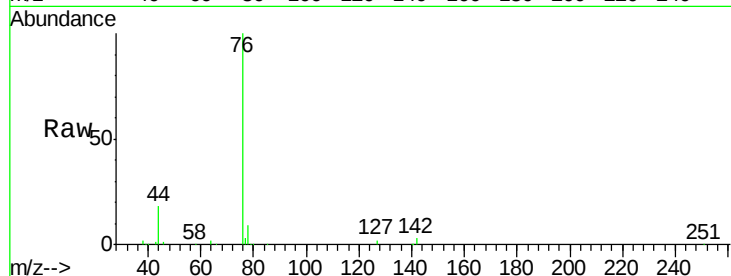




#17
Carbon Disulfide
Concen: 20.157 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

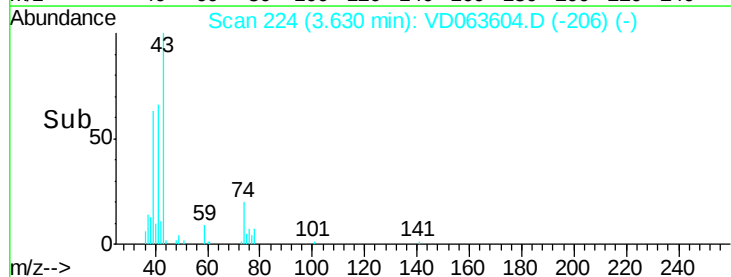
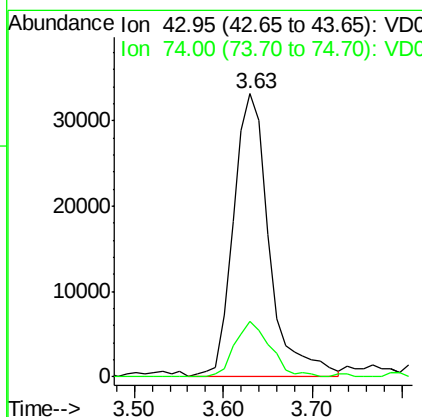
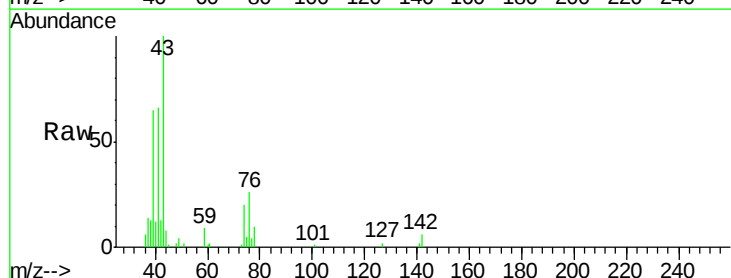
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

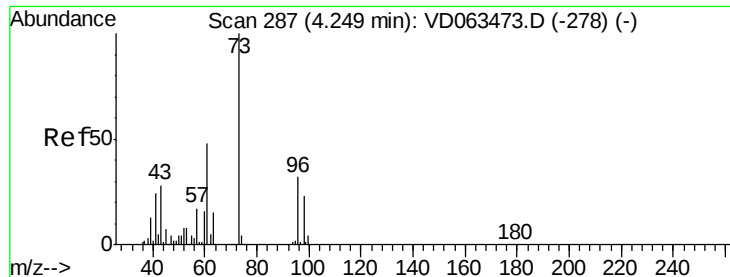
Tot Ion: 76 Resp: 572237
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 20.334 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 93166
Ion Ratio Lower Upper
43 100
74 19.7 15.4 23.2

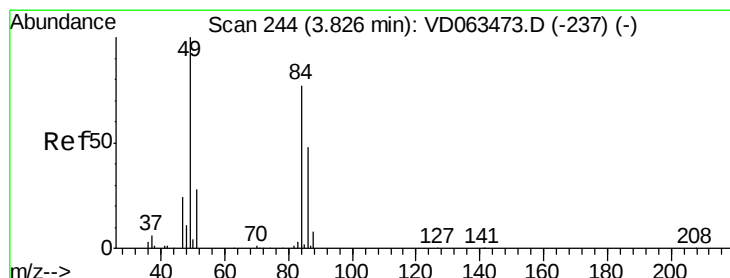
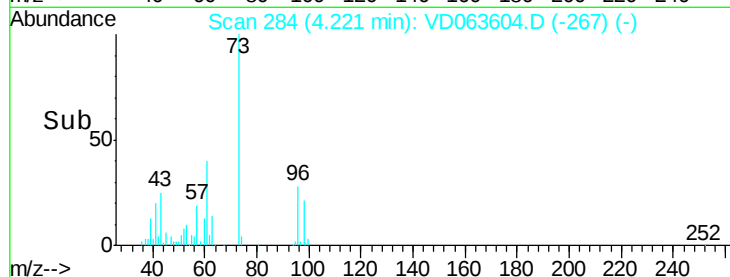
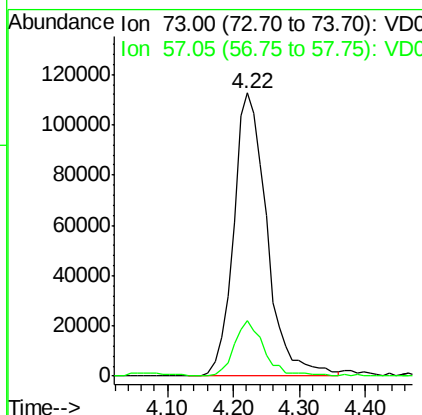
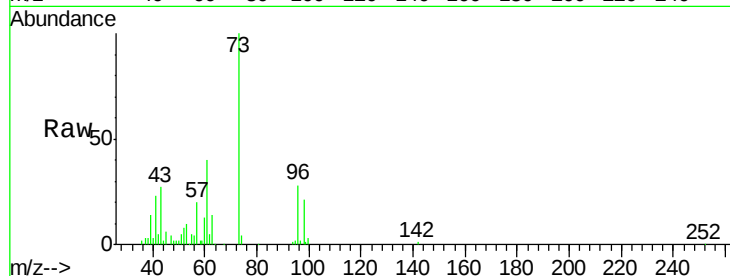




#19
Methyl tert-butyl Ether
Concen: 22.226 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

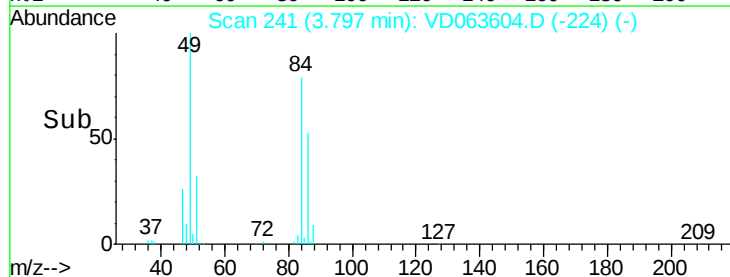
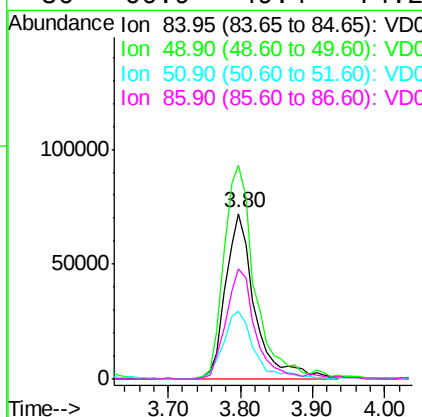
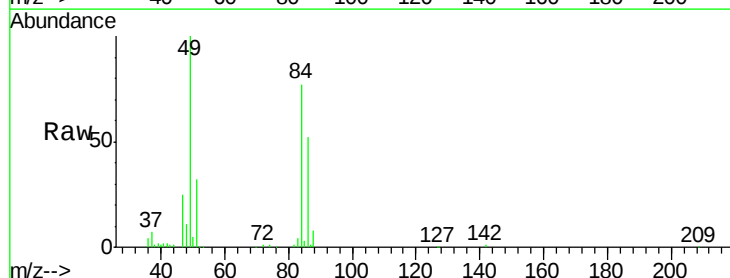
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

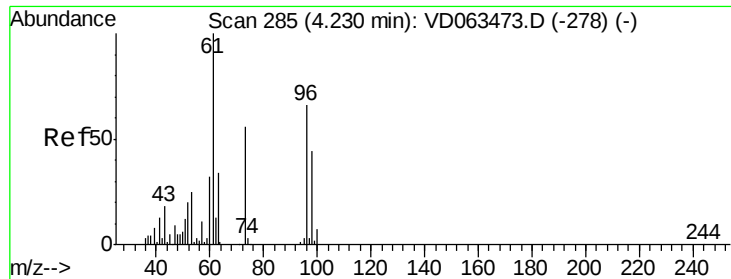
Tot Ion: 73 Resp: 399832
Ion Ratio Lower Upper
73 100
57 19.8 14.0 21.0



#20
Methylene Chloride
Concen: 19.442 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 84 Resp: 203356
Ion Ratio Lower Upper
84 100
49 129.1 103.4 155.2
51 41.0 28.5 42.7
86 66.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.951 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

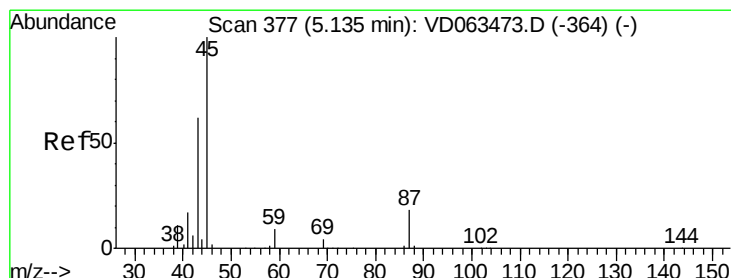
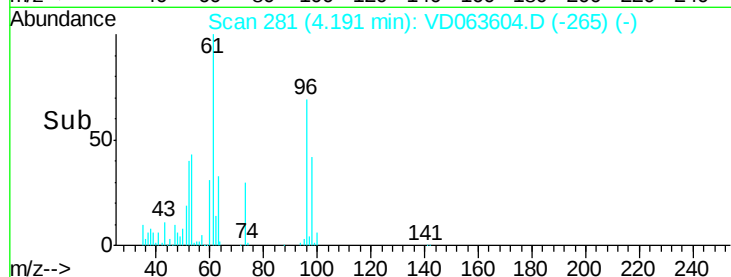
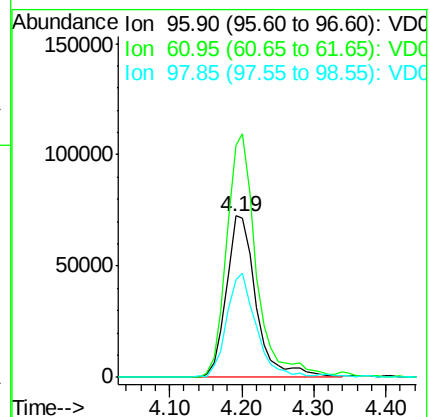
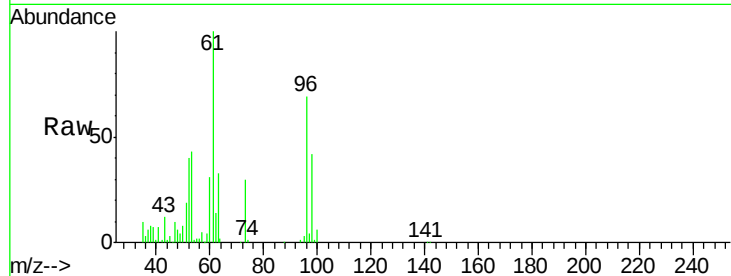
Tot Ion: 96 Resp: 207782

Ion Ratio Lower Upper

96 100

61 144.0 121.7 182.5

98 60.6 54.2 81.2



#22

Diisopropyl ether

Concen: 20.718 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.04 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Tgt Ion: 45 Resp: 578121

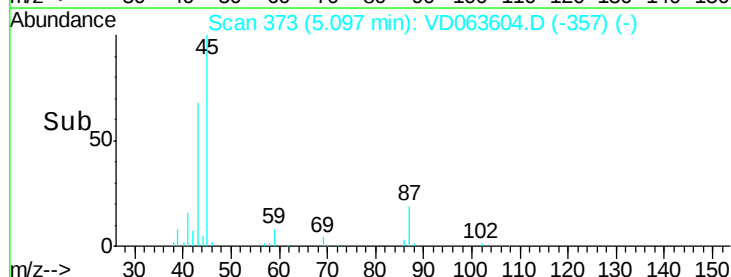
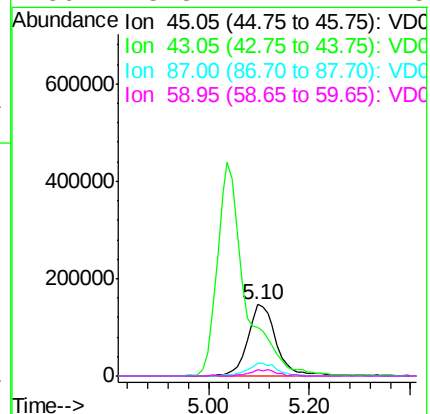
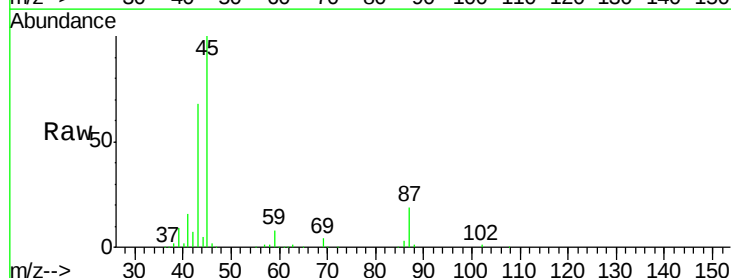
Ion Ratio Lower Upper

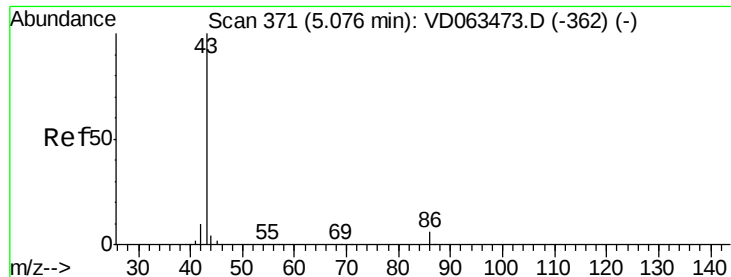
45 100

43 68.0 50.3 75.5

87 18.8 14.3 21.5

59 8.3 7.7 11.5

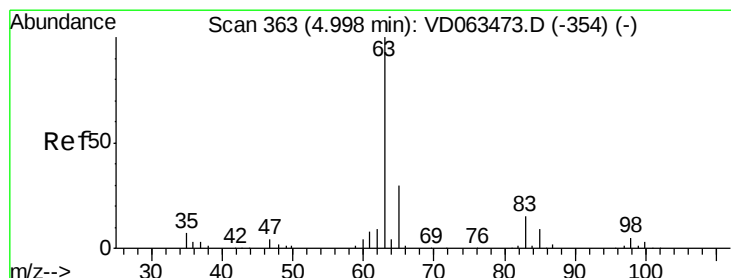
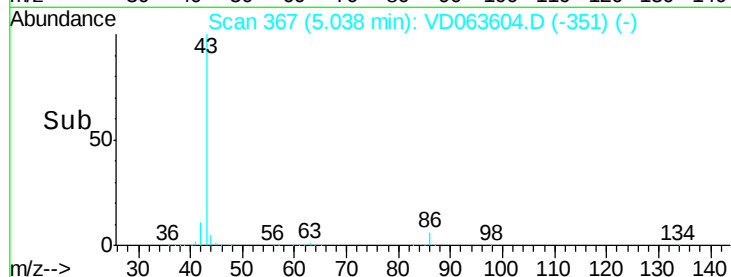
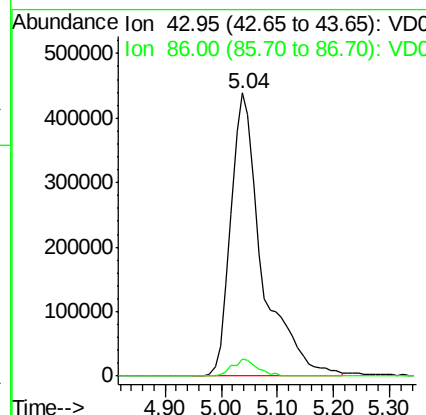
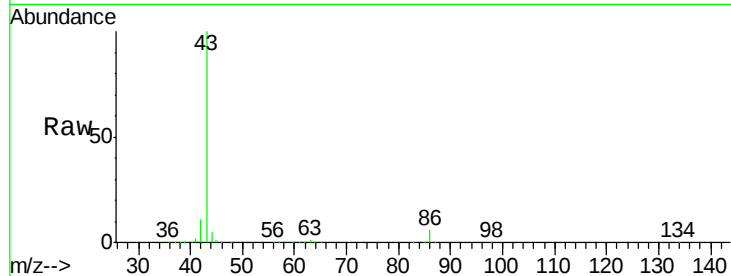




#23
 Vinyl Acetate
 Concen: 104.637 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.04 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

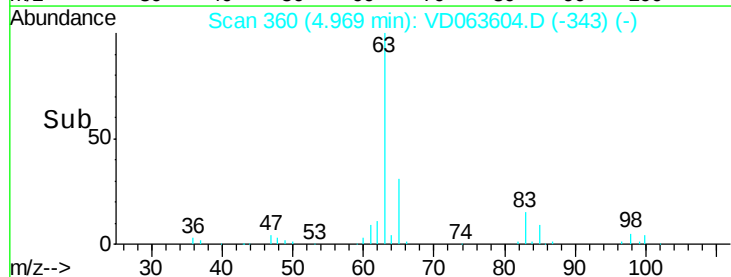
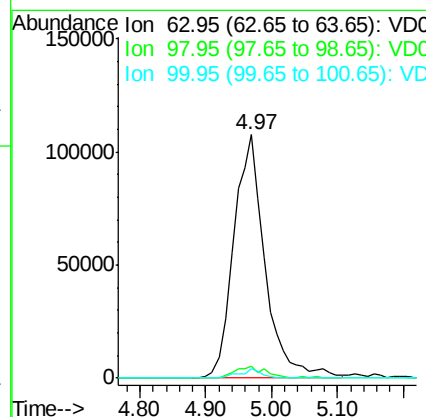
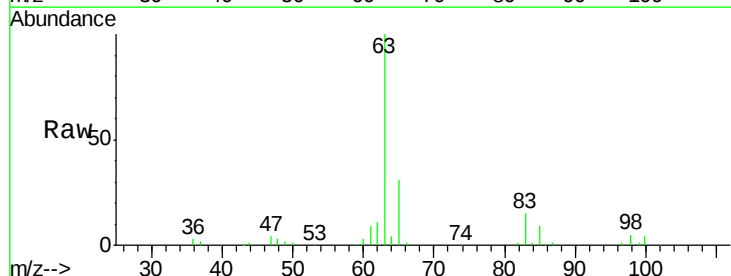
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

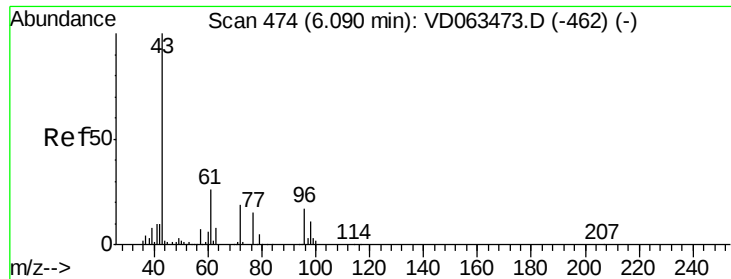
Tot Ion: 43 Resp: 1697415
 Ion Ratio Lower Upper
 43 100
 86 6.0 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 20.740 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 63 Resp: 358939
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.4 7.2
 100 3.6 1.3 3.8





#25

2-Butanone

Concen: 101.854 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

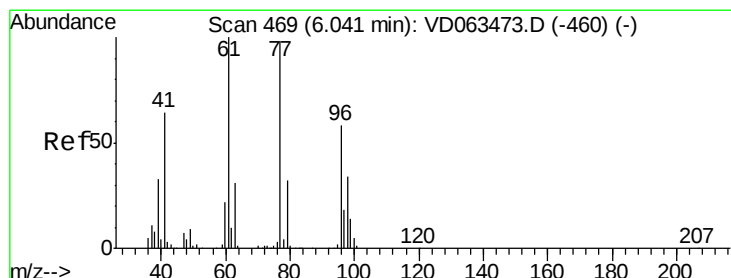
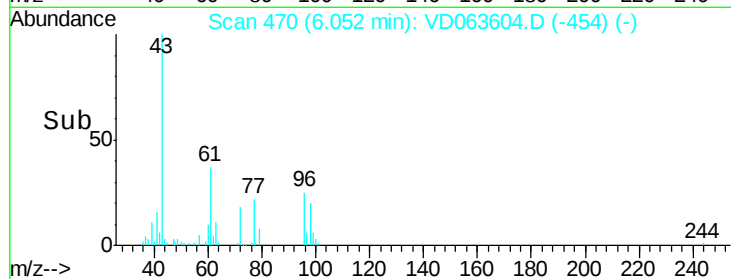
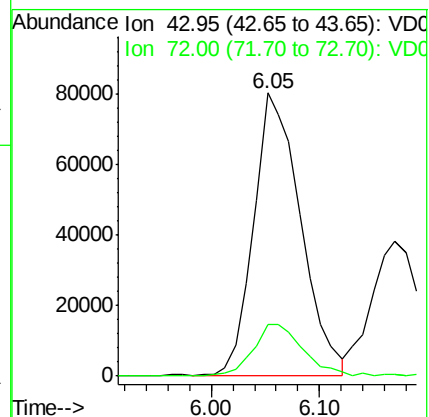
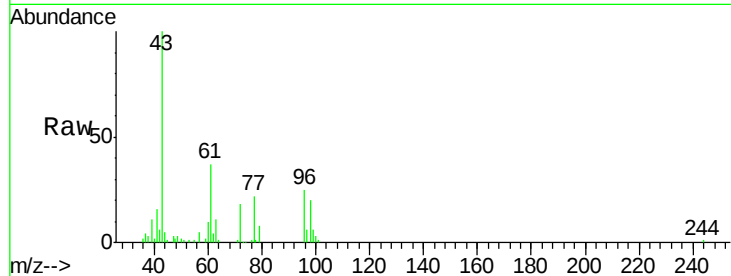
VD0815SBS01

Tot Ion: 43 Resp: 243329

Ion Ratio Lower Upper

43 100

72 18.1 15.1 22.7



#26

2,2-Dichloropropane

Concen: 20.322 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063604.D

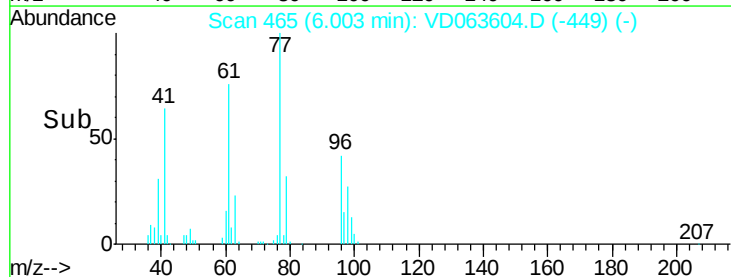
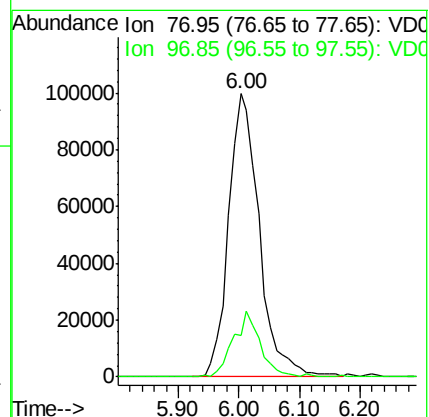
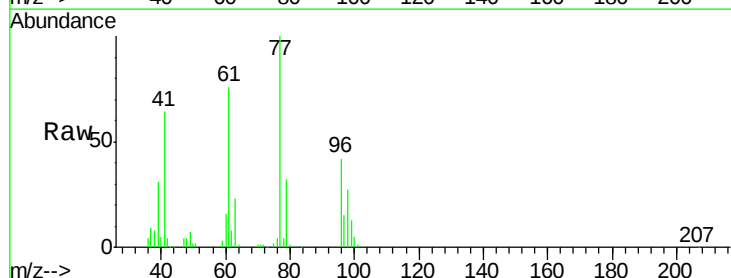
Acq: 15 Aug 2019 14:39

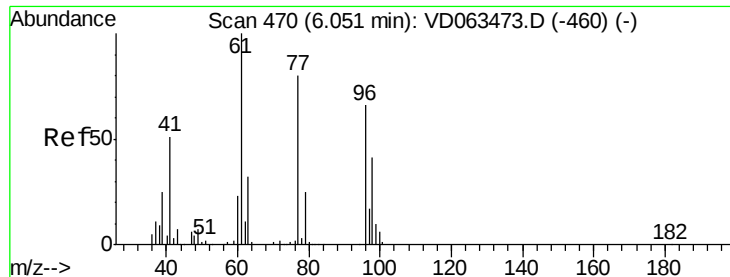
Tgt Ion: 77 Resp: 350310

Ion Ratio Lower Upper

77 100

97 14.8 9.0 27.1





#27

cis-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

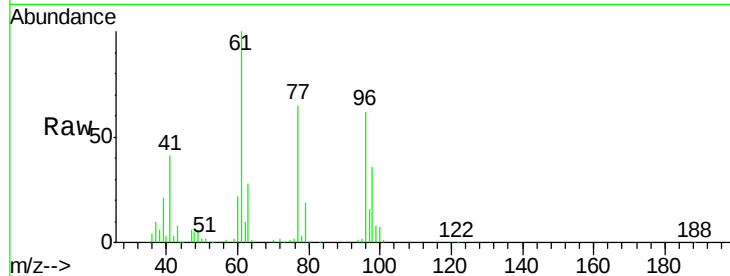
Tot Ion: 96 Resp: 214317

Ion Ratio Lower Upper

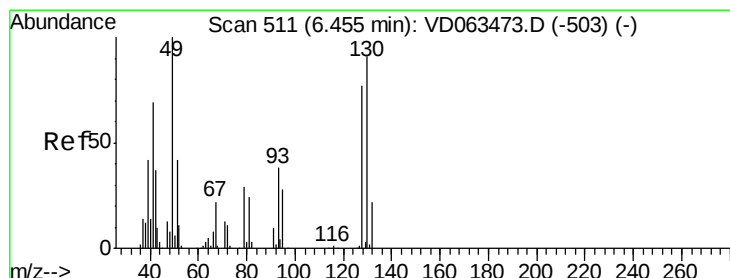
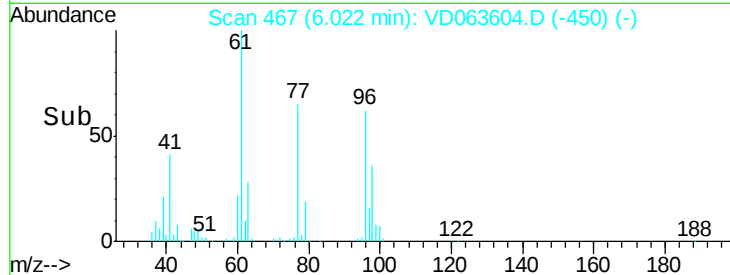
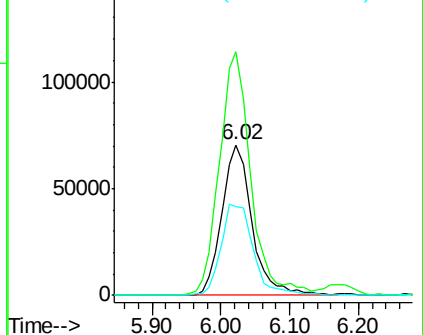
96 100

61 162.1 0.0 304.0

98 58.7 0.0 124.8



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



#28

Bromochloromethane

Concen: 20.271 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.04 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

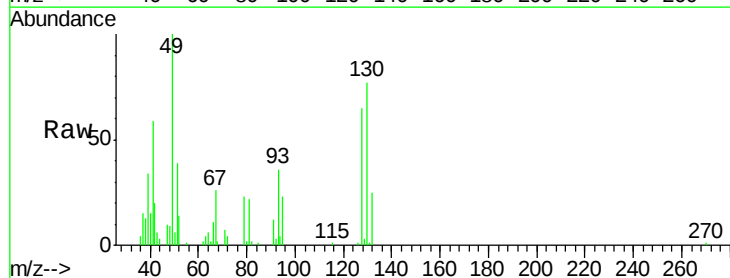
Tgt Ion: 49 Resp: 142183

Ion Ratio Lower Upper

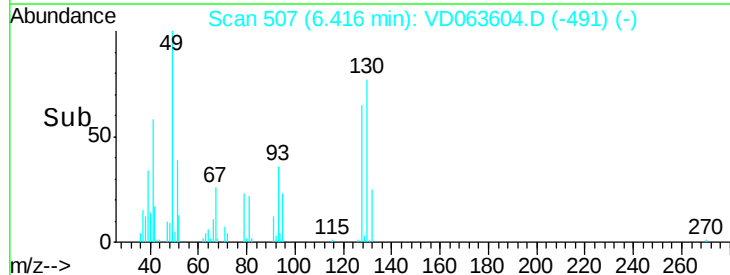
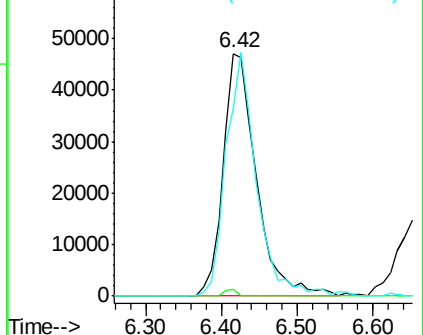
49 100

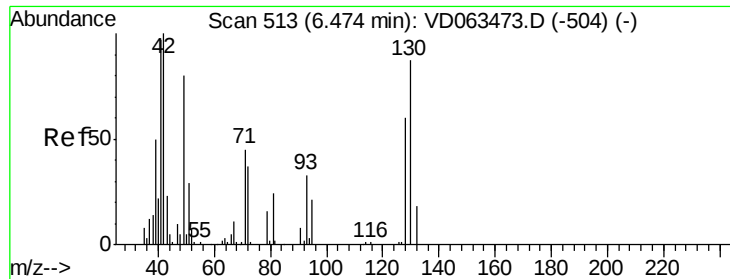
129 2.9 0.0 6.4

130 77.0 72.4 108.6



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

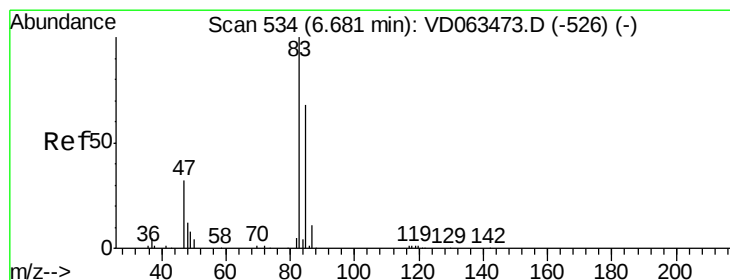
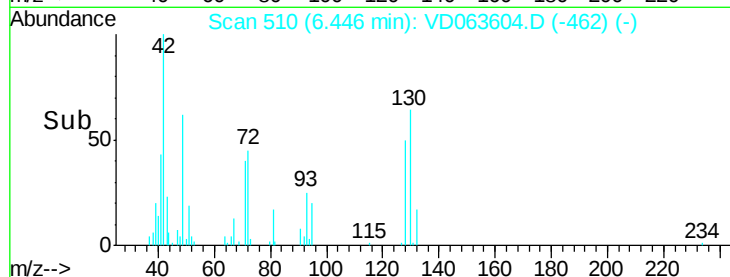
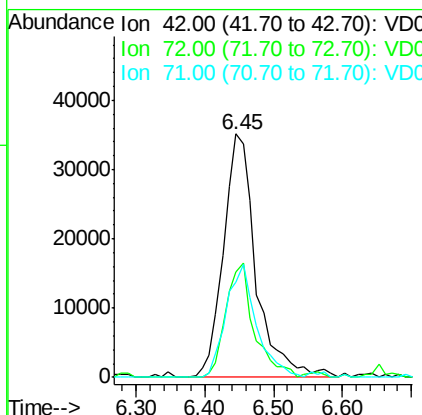
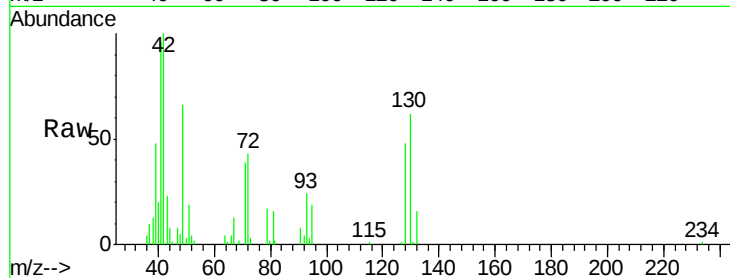




#29
Tetrahydrofuran
Concen: 103.623 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

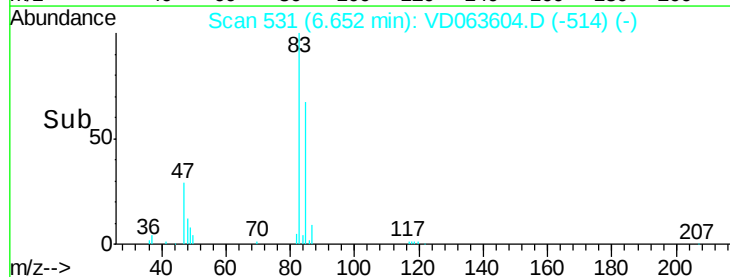
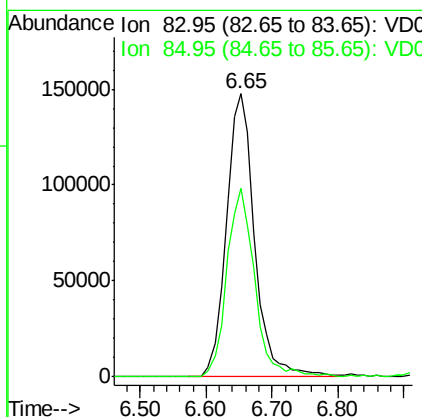
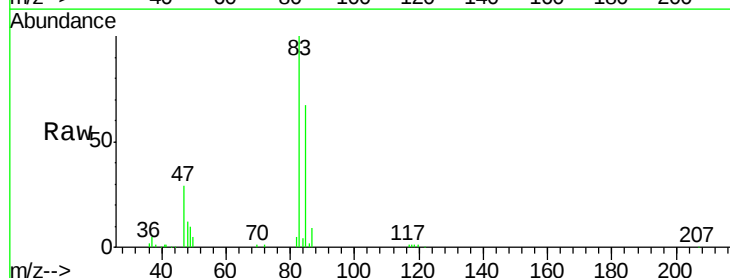
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

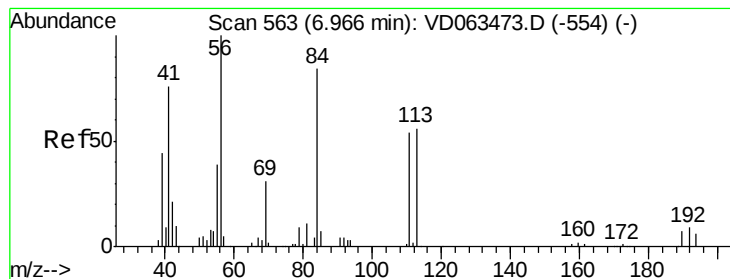
Tot Ion: 42 Resp: 115354
Ion Ratio Lower Upper
42 100
72 40.7 31.5 47.3
71 43.0 33.8 50.8



#30
Chloroform
Concen: 20.521 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 83 Resp: 441454
Ion Ratio Lower Upper
83 100
85 66.6 54.8 82.2





#31

Cyclohexane

Concen: 20.098 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

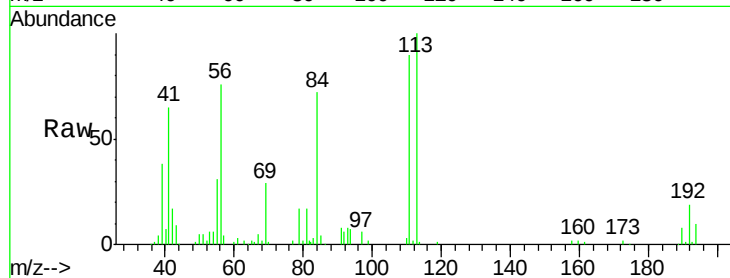
Tot Ion: 56 Resp: 215934

Ion Ratio Lower Upper

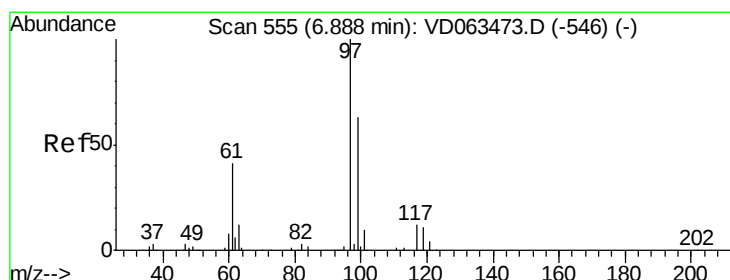
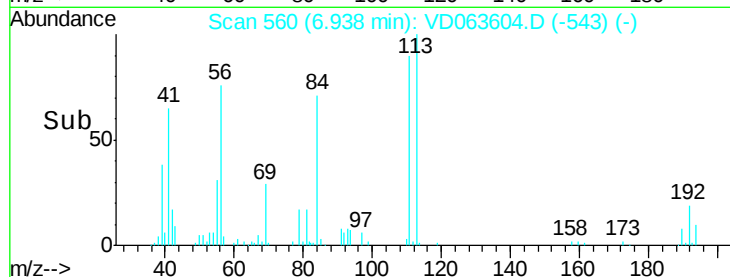
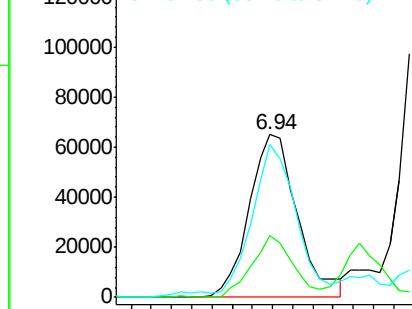
56 100

69 38.3 25.0 37.6#

84 94.1 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: 20.061 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.04 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

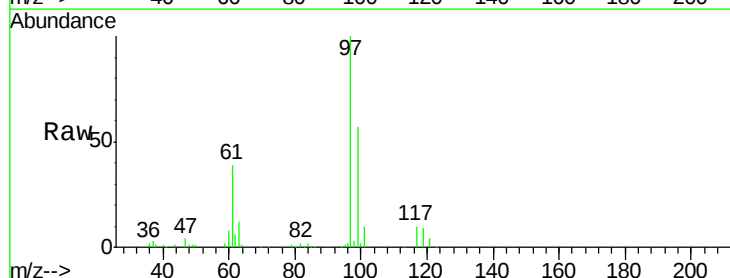
Tgt Ion: 97 Resp: 412816

Ion Ratio Lower Upper

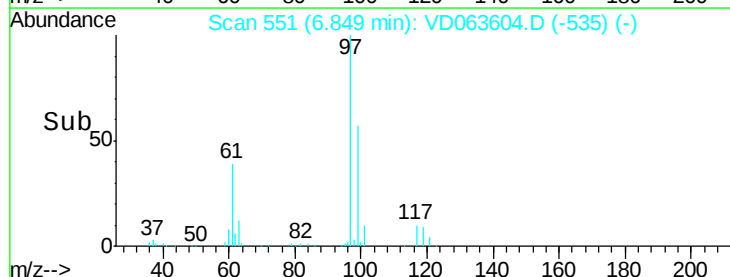
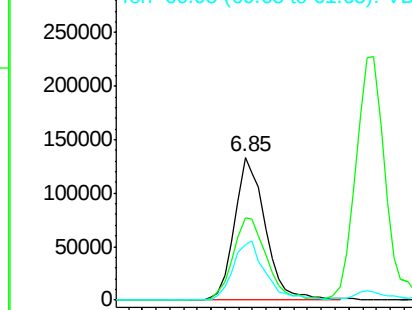
97 100

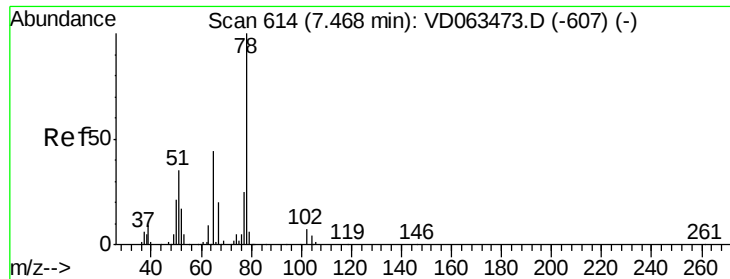
99 57.4 50.2 75.4

61 38.8 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

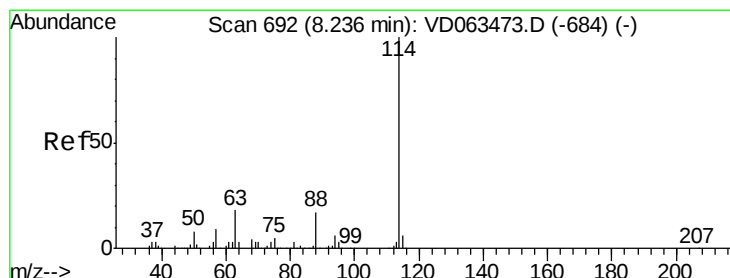
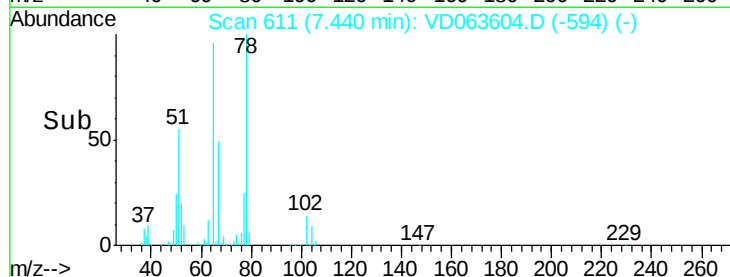
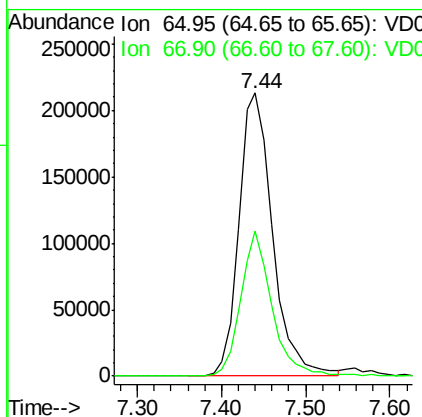
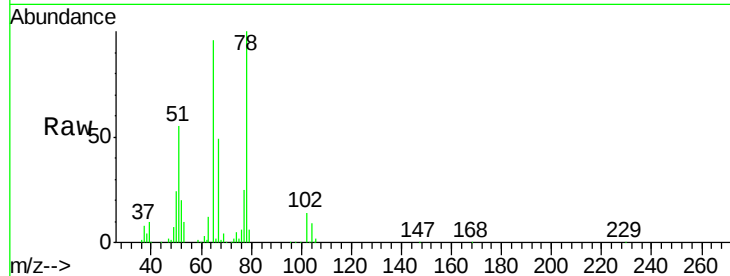




#33
 1,2-Dichloroethane-d4
 Concen: 49.811 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

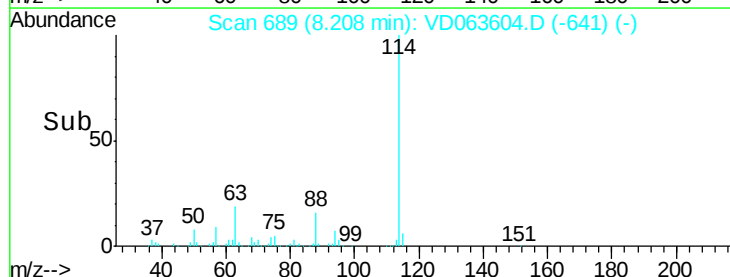
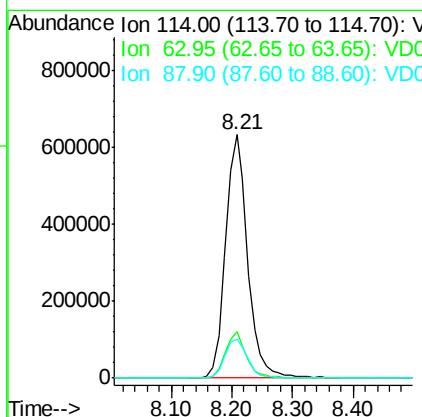
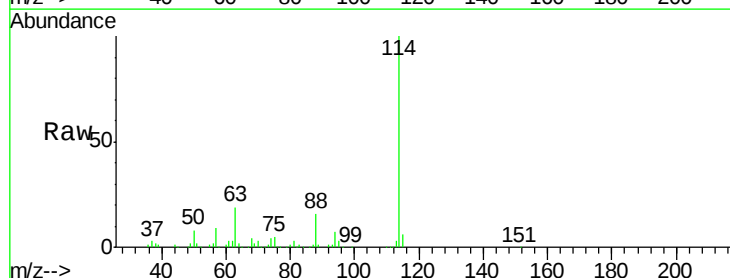
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

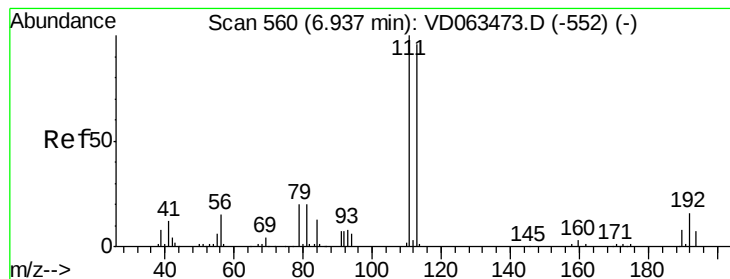
Tot Ion: 65 Resp: 592714
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 114 Resp: 1596156
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.2
 88 15.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

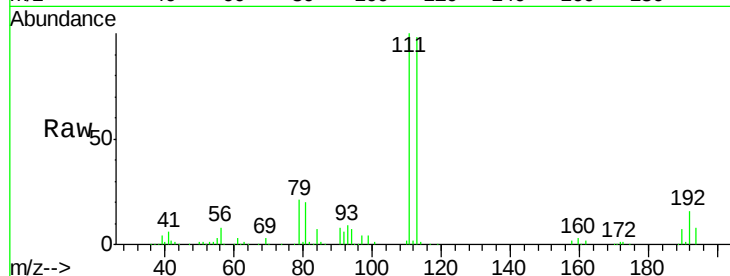
Tot Ion:113 Resp: 656907

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

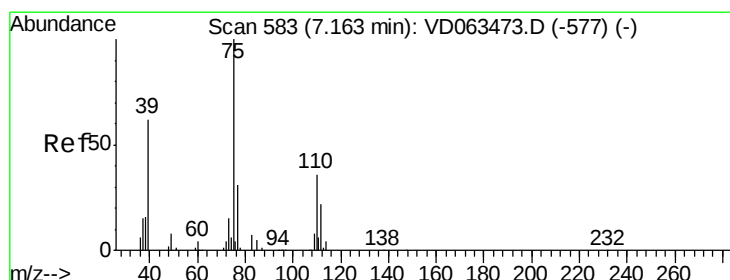
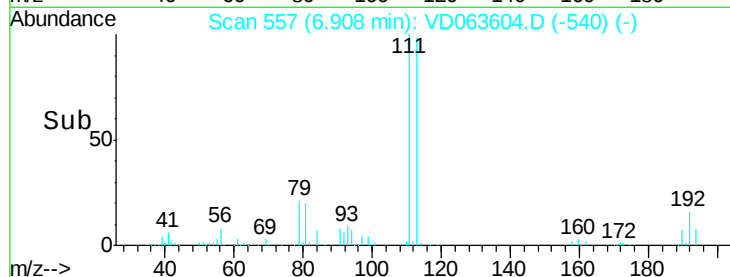
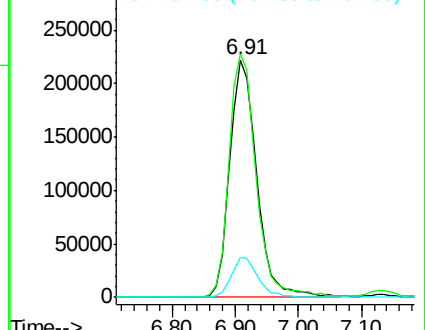
192 16.8 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.184 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

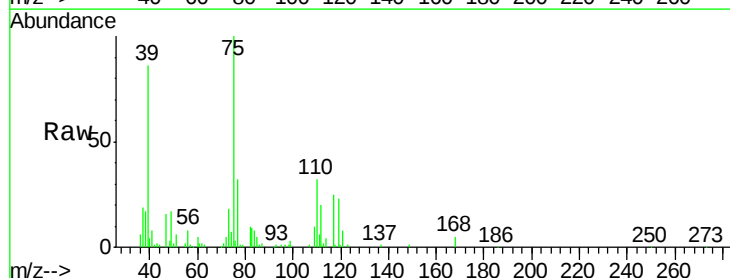
Tgt Ion: 75 Resp: 298917

Ion Ratio Lower Upper

75 100

110 32.1 17.6 52.8

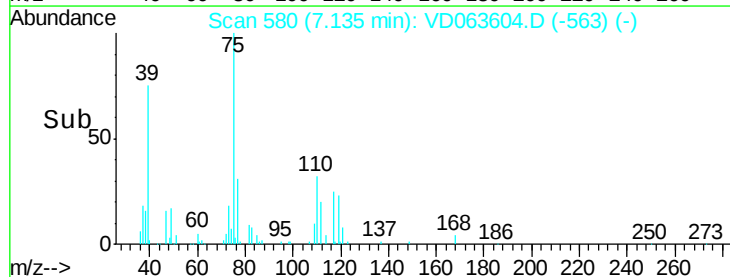
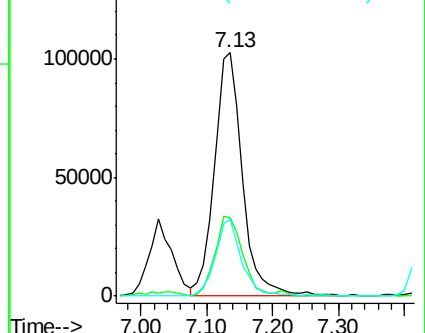
77 31.5 24.3 36.5

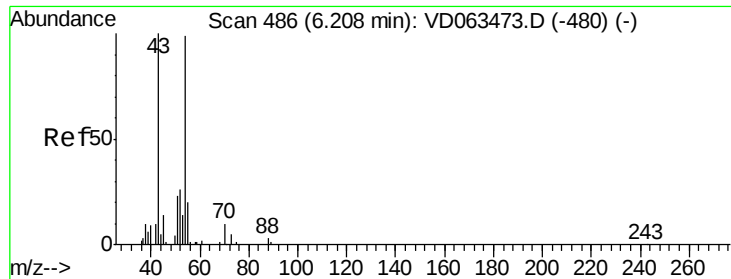


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

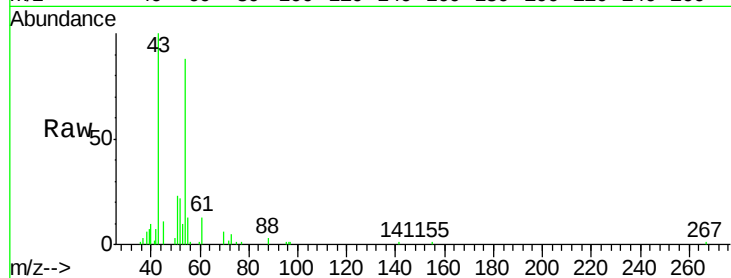




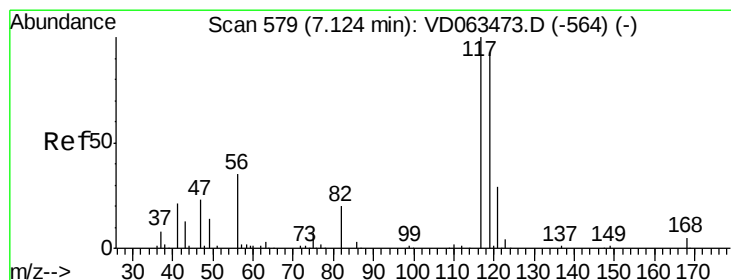
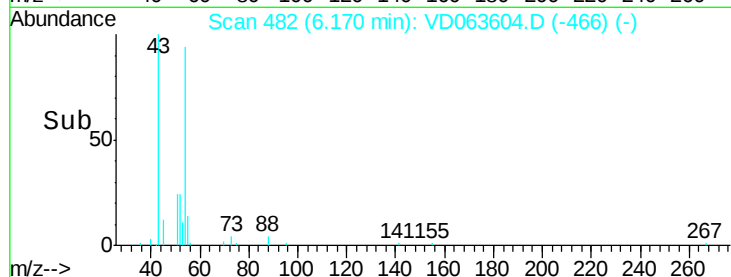
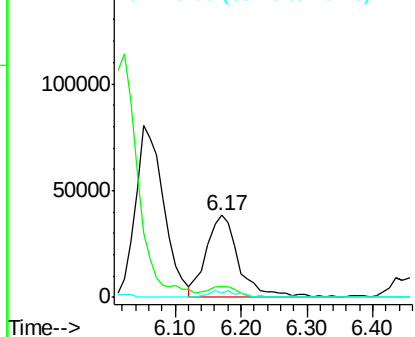
#37
Ethyl Acetate
Concen: 21.220 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion	43	Resp	125465
Ion Ratio	Lower	Upper	
43	100		
61	12.8	9.0	13.6
70	5.8	6.9	10.3

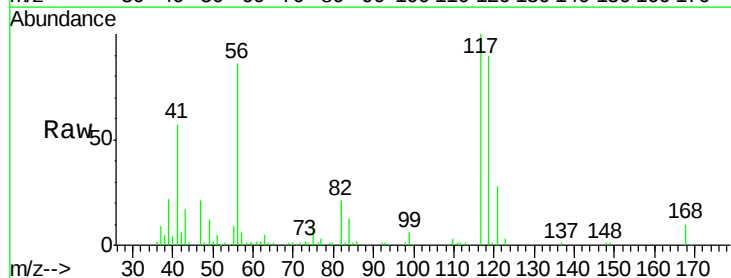


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

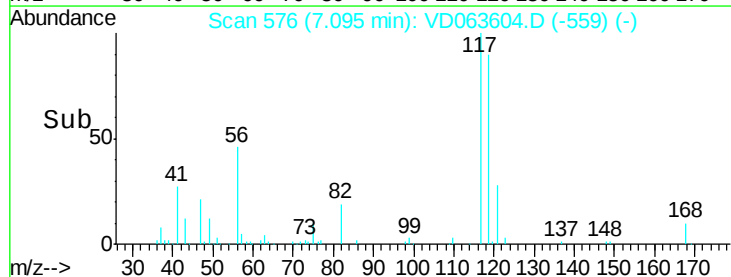
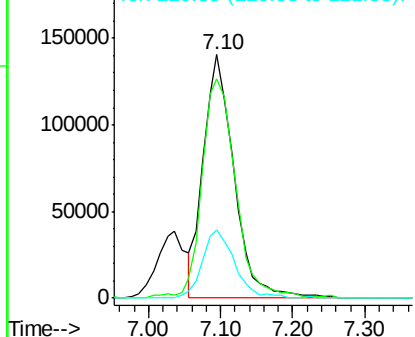


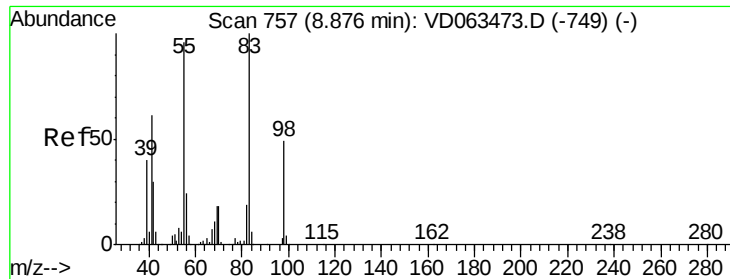
#38
Carbon Tetrachloride
Concen: 19.223 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion	117	Resp	408805
Ion Ratio	Lower	Upper	
117	100		
119	90.1	74.2	111.2
121	28.3	23.1	34.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

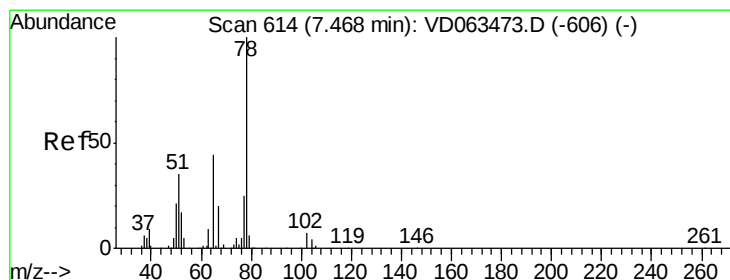
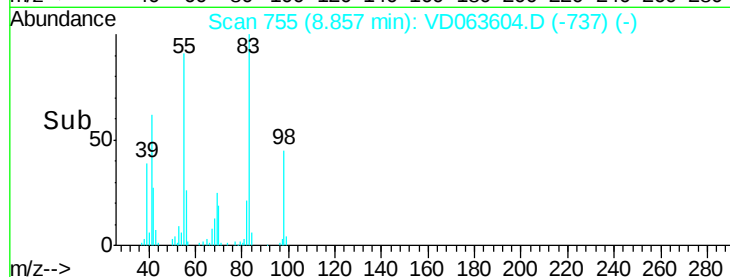
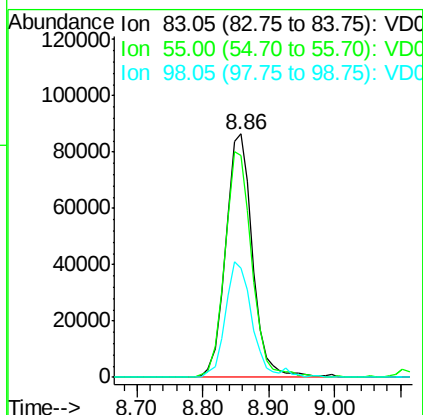
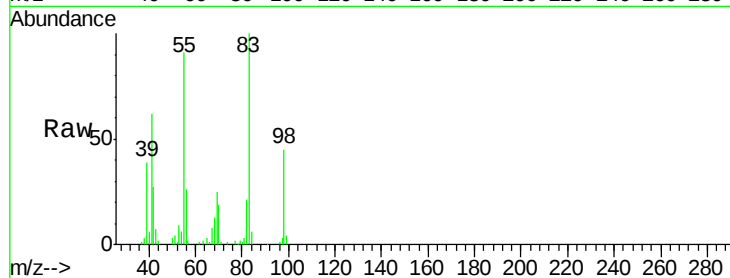




#39
Methylvlcyclohexane
Concen: 20.540 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

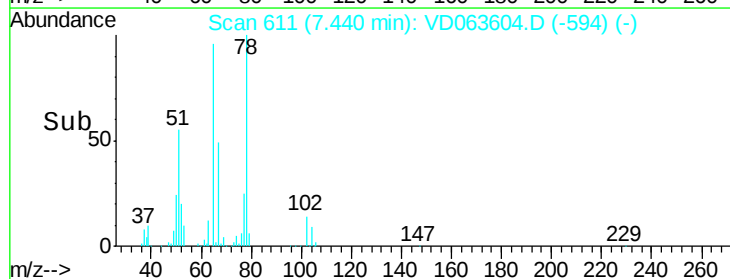
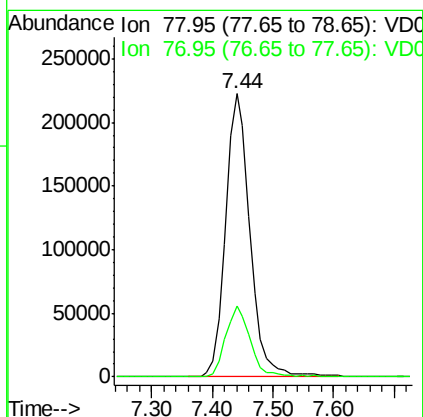
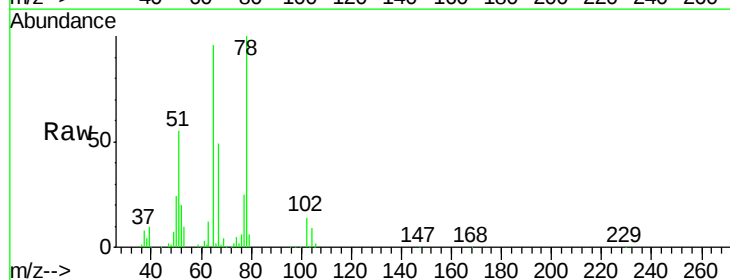
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

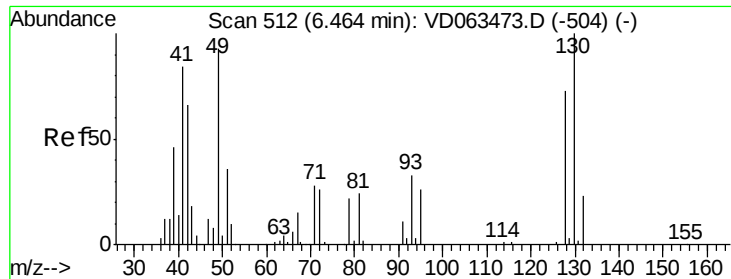
Tot Ion: 83 Resp: 246445
Ion Ratio Lower Upper
83 100
55 91.3 76.6 114.8
98 44.8 39.4 59.0



#40
Benzene
Concen: 19.945 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 78 Resp: 619327
Ion Ratio Lower Upper
78 100
77 25.2 20.1 30.1





#41

Methacrylonitrile

Concen: 20.571 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

Tot Ion: 41 Resp: 153145

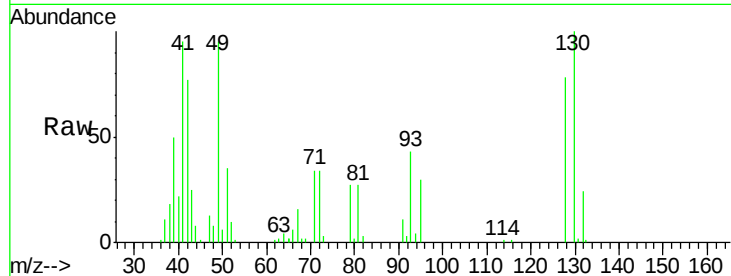
Ion Ratio Lower Upper

41 100

39 52.6 44.6 66.8

67 16.9 14.4 21.6

52 10.7 9.3 13.9

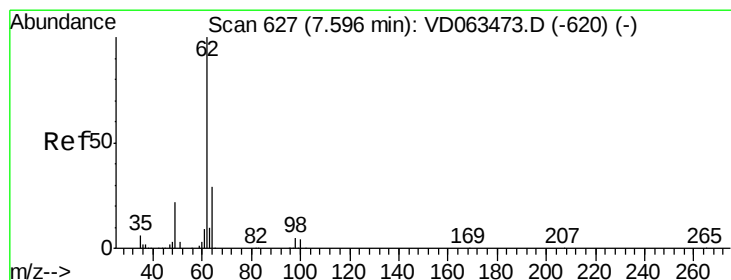
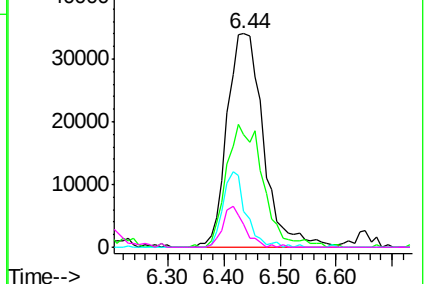
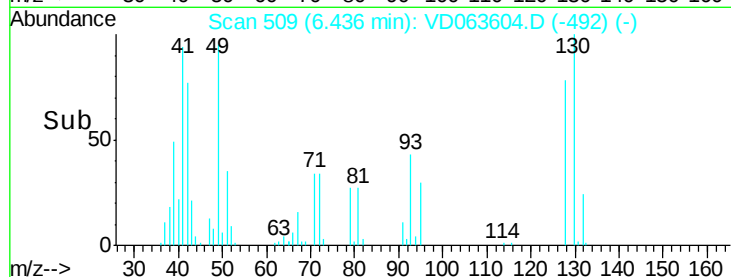


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.698 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063604.D

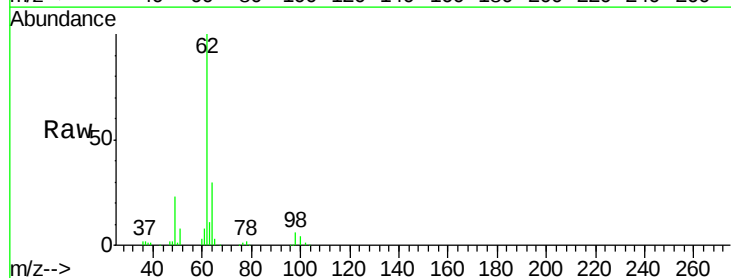
Acq: 15 Aug 2019 14:39

Tgt Ion: 62 Resp: 307563

Ion Ratio Lower Upper

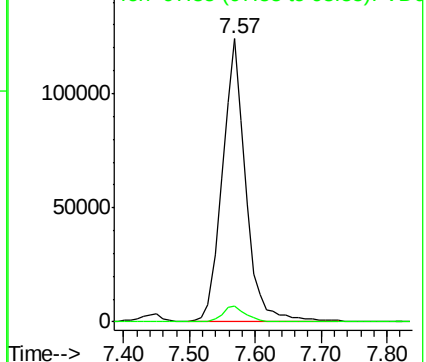
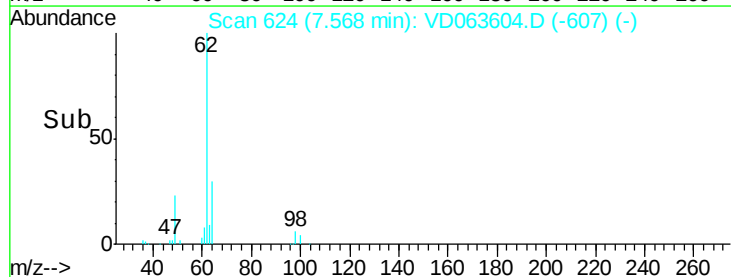
62 100

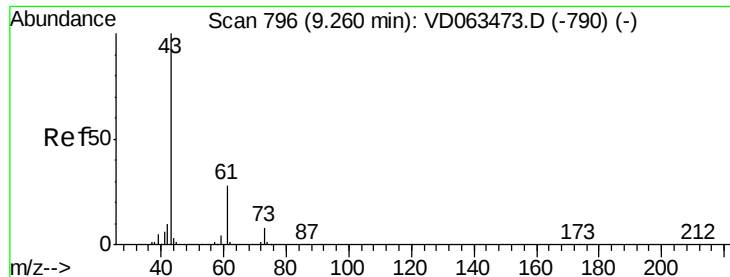
98 5.6 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



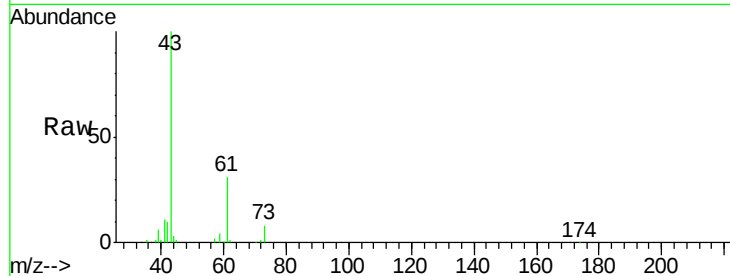


#43

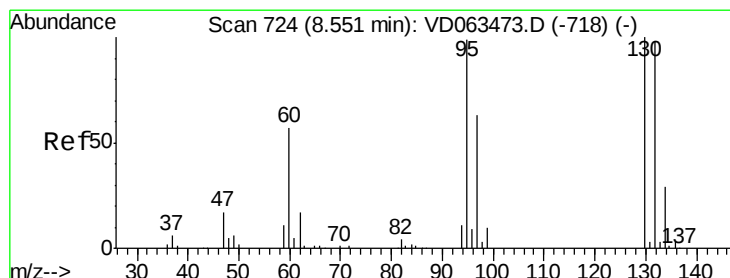
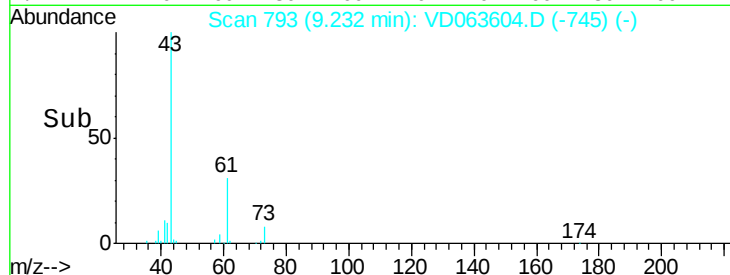
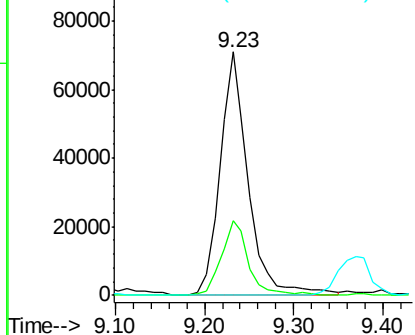
Isopropyl Acetate
 Concen: 19.786 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 43 Resp: 156685
 Ion Ratio Lower Upper
 43 100
 61 30.7 22.2 33.2
 87 0.0 0.2 0.4#



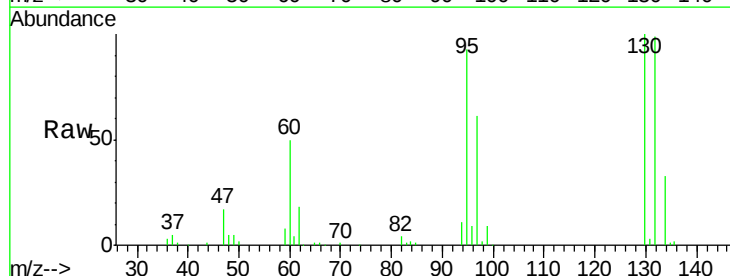
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



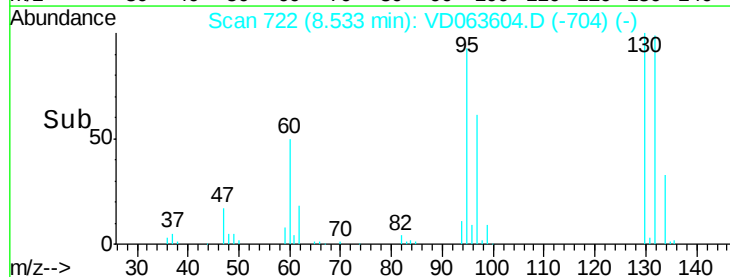
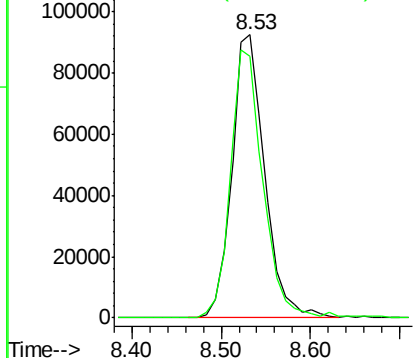
#44

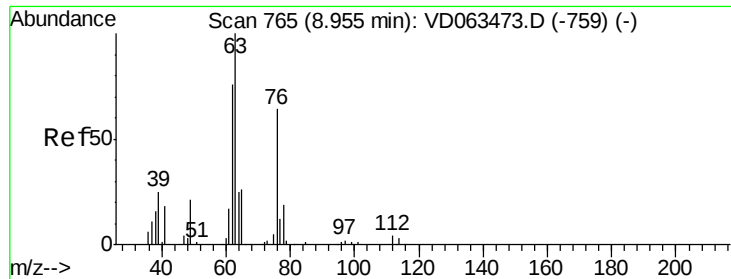
Trichloroethene
 Concen: 19.947 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 130 Resp: 236741
 Ion Ratio Lower Upper
 130 100
 95 92.5 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: 19.485 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

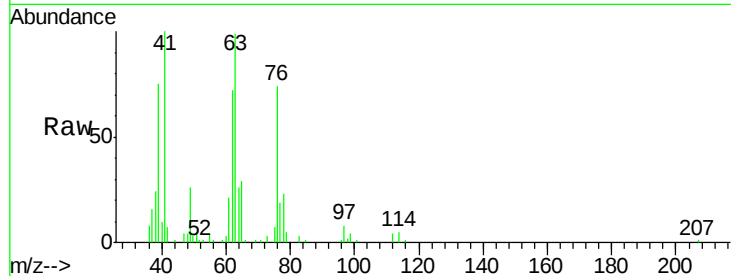
VD0815SBS01

Tot Ion: 63 Resp: 140904

Ion Ratio Lower Upper

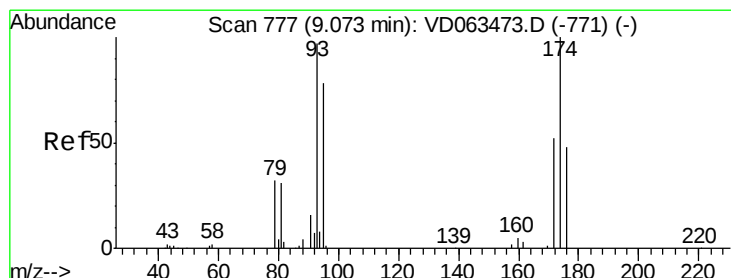
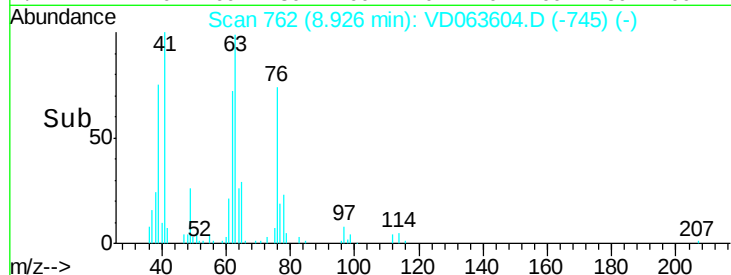
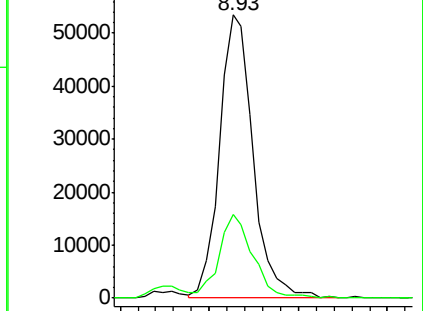
63 100

65 29.6 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.420 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

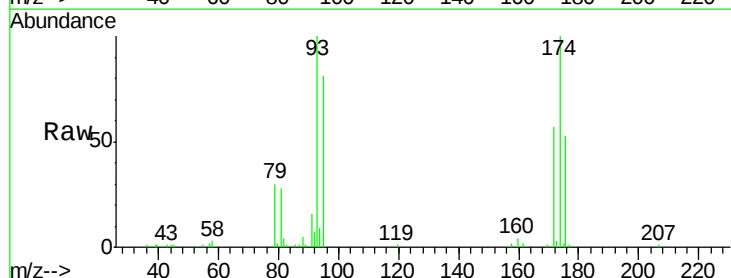
Tgt Ion: 93 Resp: 126102

Ion Ratio Lower Upper

93 100

95 80.8 64.2 96.2

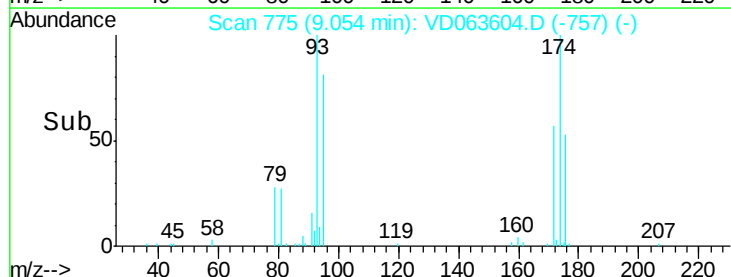
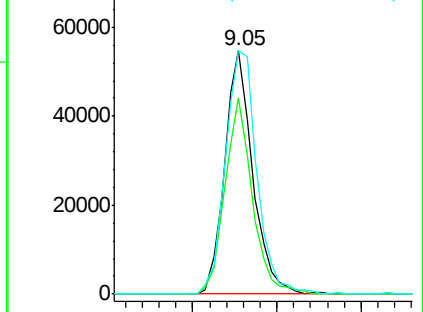
174 100.0 82.1 123.1

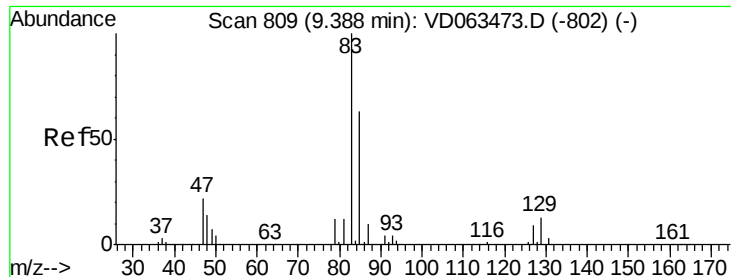


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.394 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

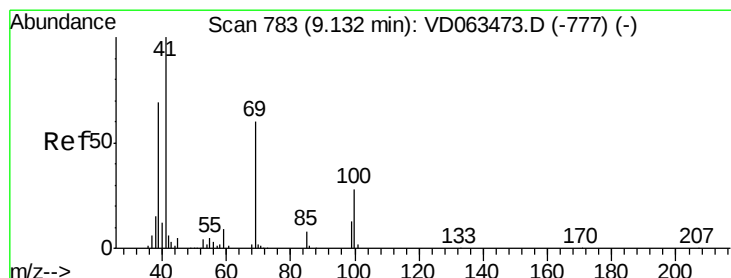
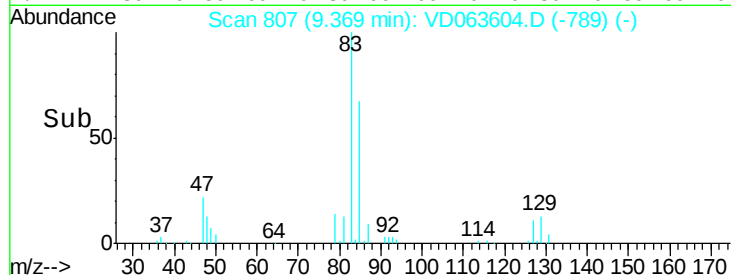
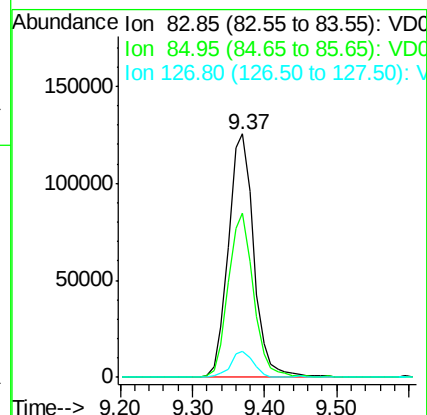
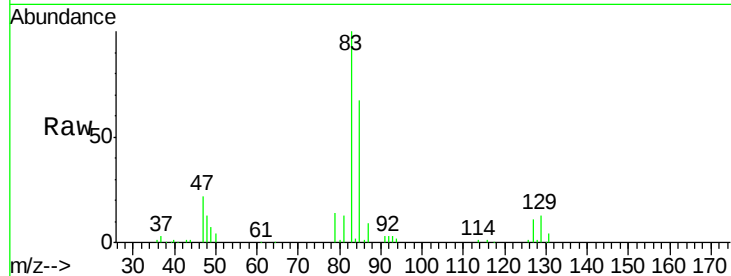
Tot Ion: 83 Resp: 307203

Ion Ratio Lower Upper

83 100

85 67.4 50.1 75.1

127 10.5 7.6 11.4



#48

Methyl methacrylate

Concen: 19.357 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

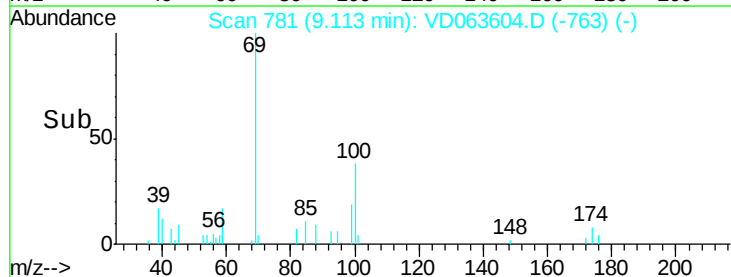
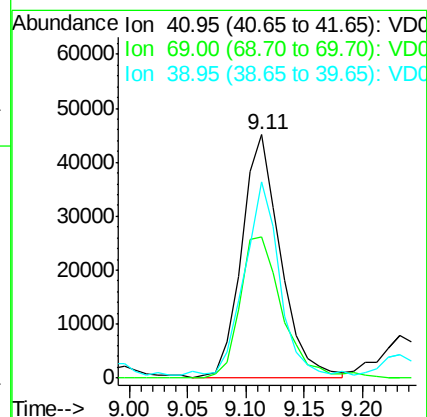
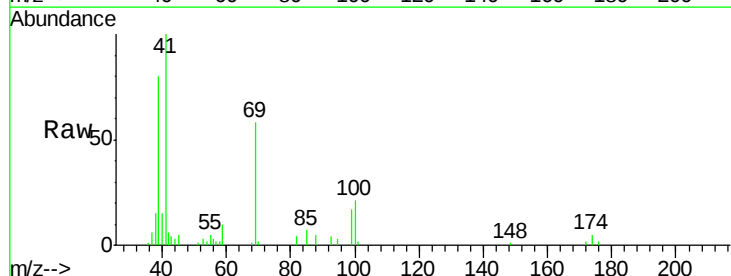
Tgt Ion: 41 Resp: 103957

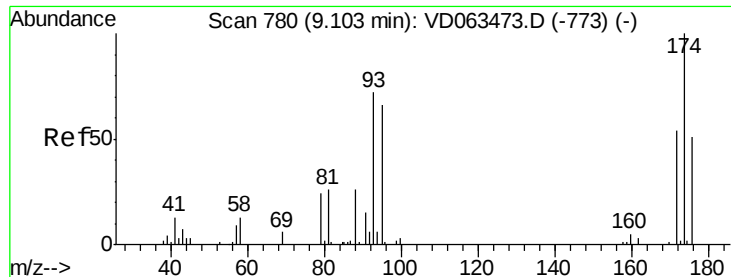
Ion Ratio Lower Upper

41 100

69 58.2 47.6 71.4

39 80.5 55.7 83.5

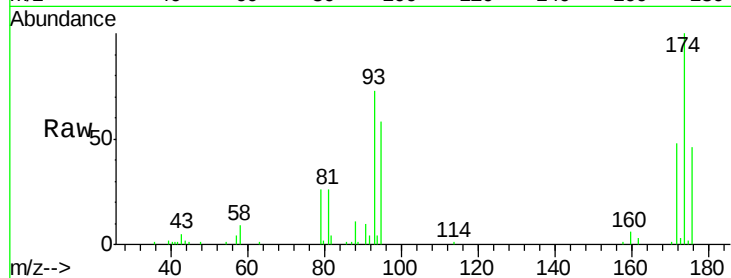




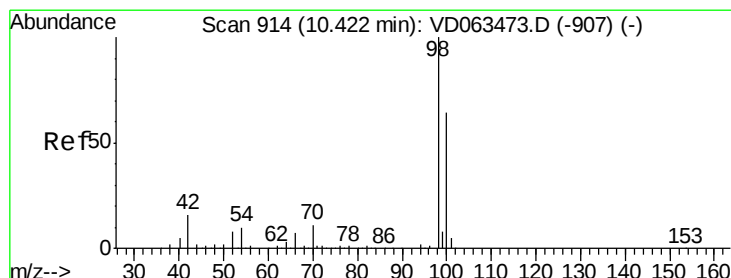
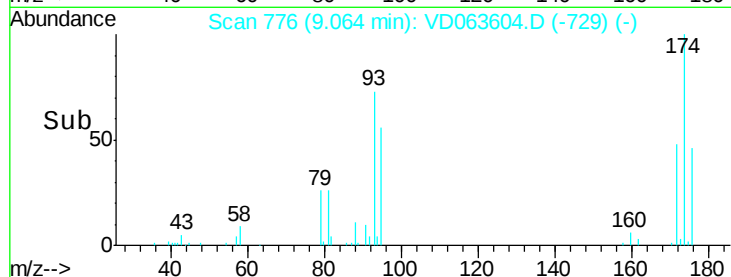
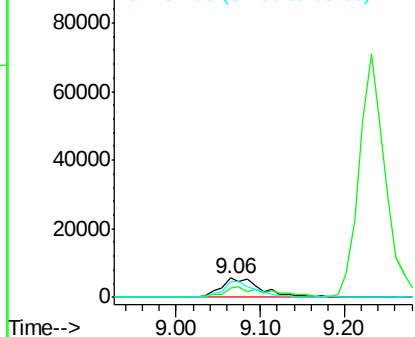
#49
 1,4-Dioxane
 Concen: 401.341 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.04 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 88 Resp: 18519
 Ion Ratio Lower Upper
 88 100
 43 49.8 22.9 34.3#
 58 82.2 40.1 60.1#

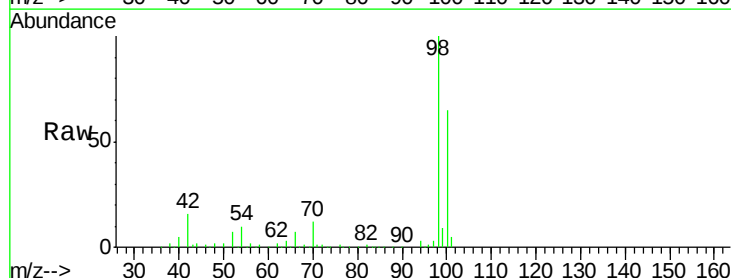


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

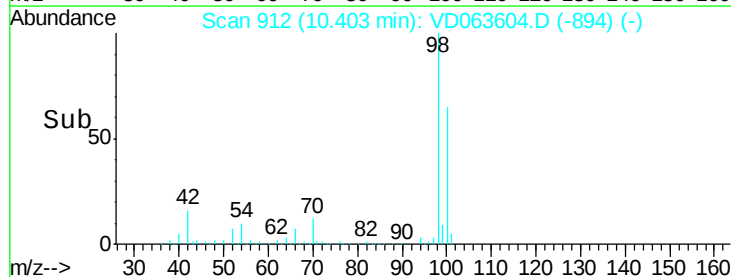
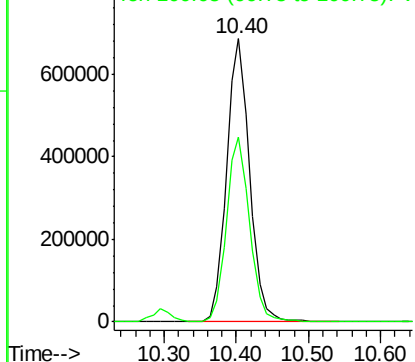


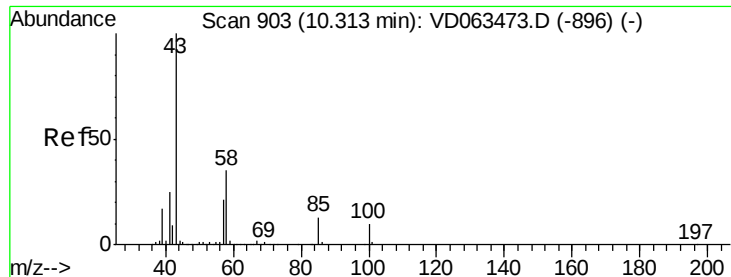
#50
 Toluene-d8
 Concen: 51.505 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 98 Resp: 1522214
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 104.203 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

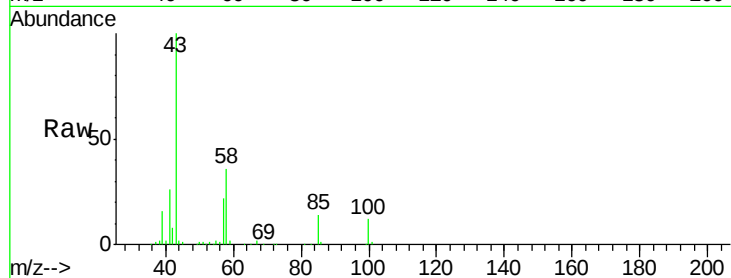
VD0815SBS01

Tot Ion: 43 Resp: 564649

Ion Ratio Lower Upper

43 100

58 36.4 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

250000

200000

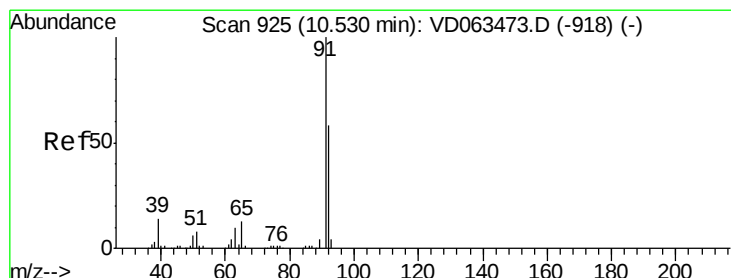
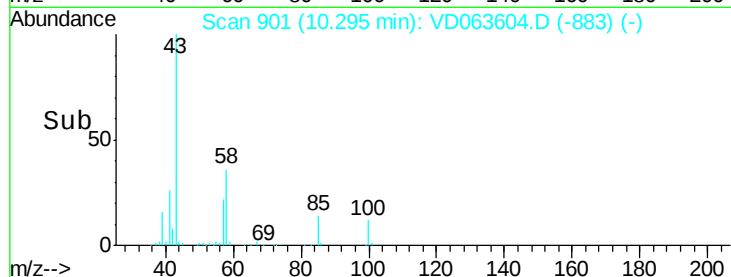
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.023 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063604.D

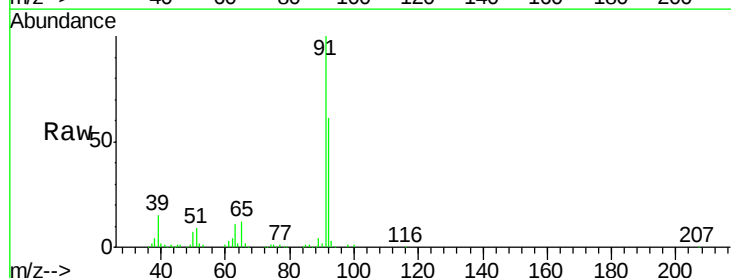
Acq: 15 Aug 2019 14:39

Tgt Ion: 92 Resp: 420466

Ion Ratio Lower Upper

92 100

91 163.1 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

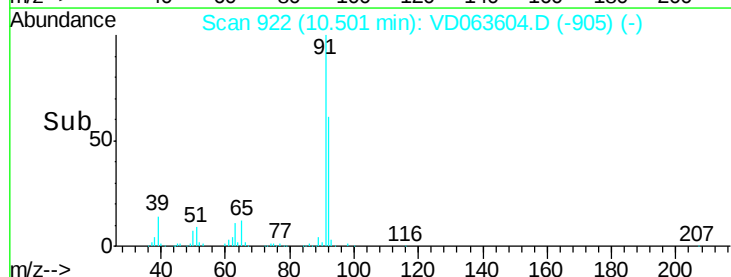
300000

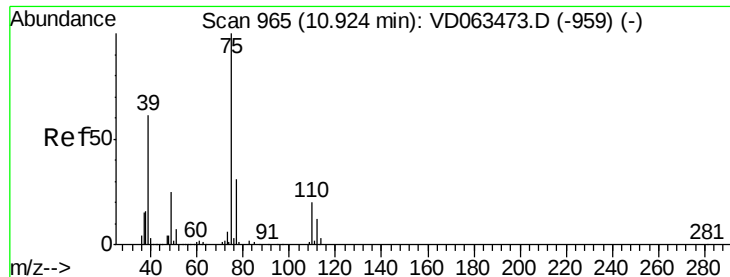
200000

100000

0

Time-->

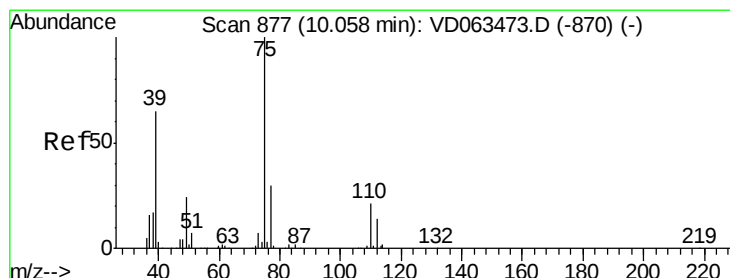
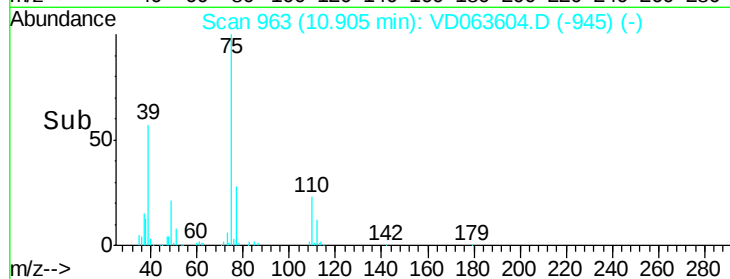
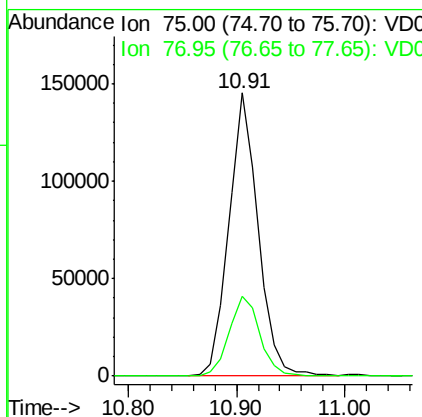
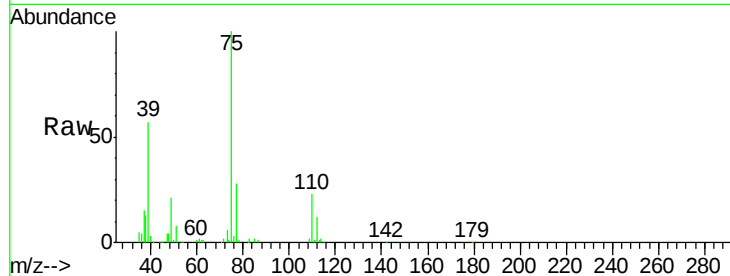




#53
t-1,3-Dichloropropene
Concen: 21.183 ug/l
RT: 10.91 min Scan# 963
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

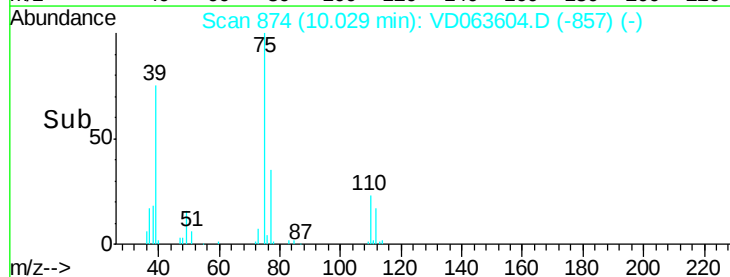
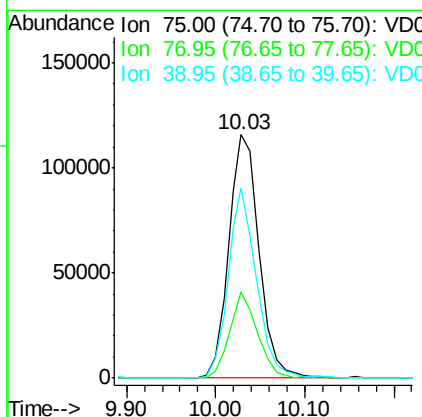
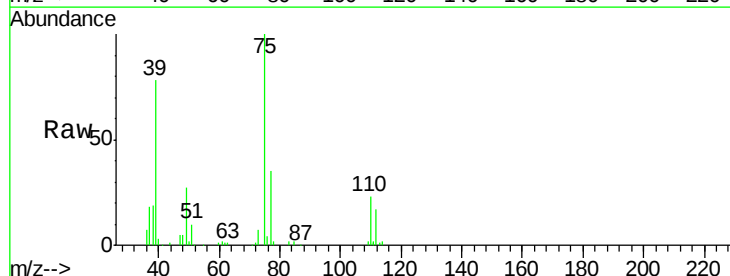
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

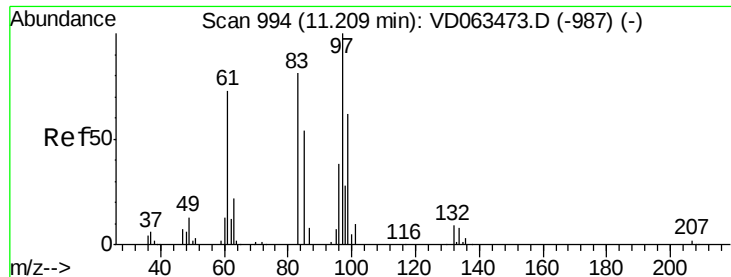
Tot Ion: 75 Resp: 273834
Ion Ratio Lower Upper
75 100
77 28.2 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 18.893 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 75 Resp: 275397
Ion Ratio Lower Upper
75 100
77 35.5 23.7 35.5
39 78.1 52.2 78.4

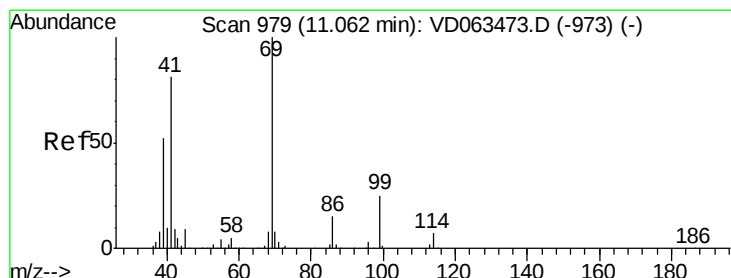
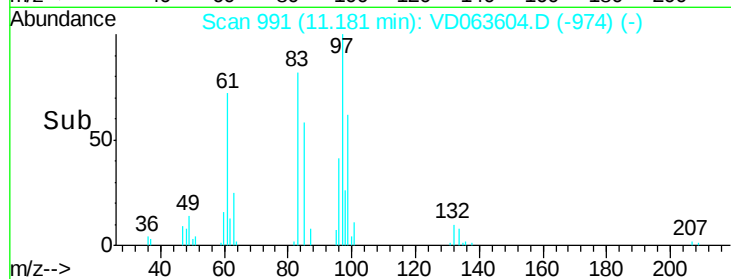
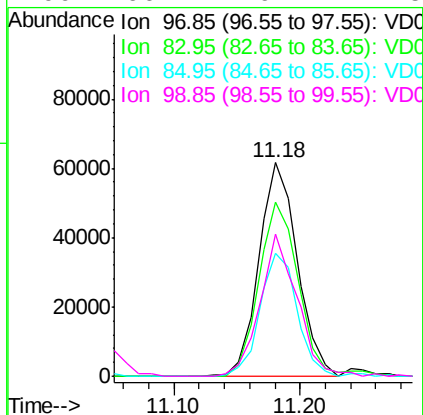
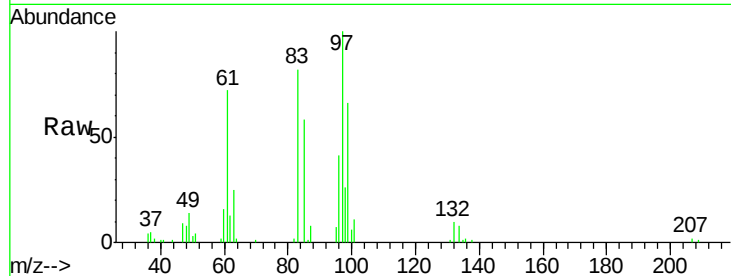




#55
 1,1,2-Trichloroethane
 Concen: 19.290 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

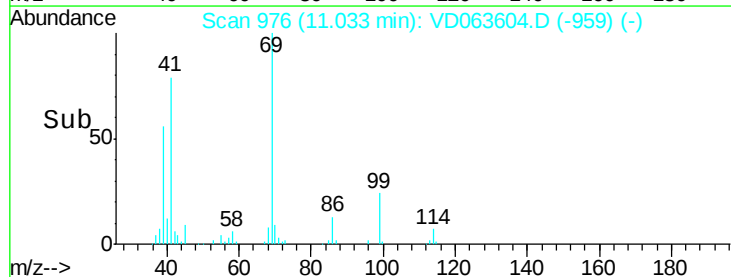
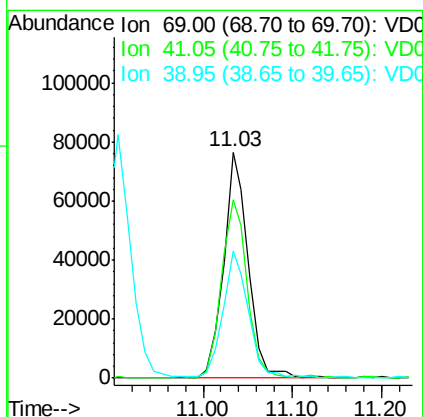
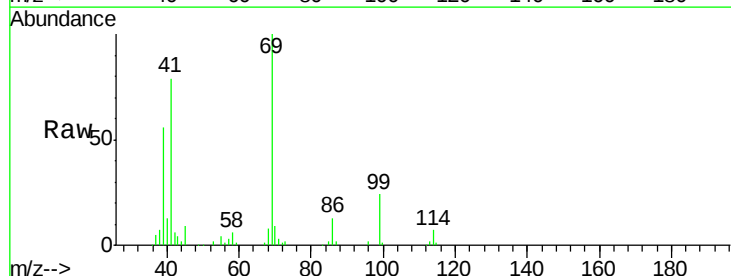
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

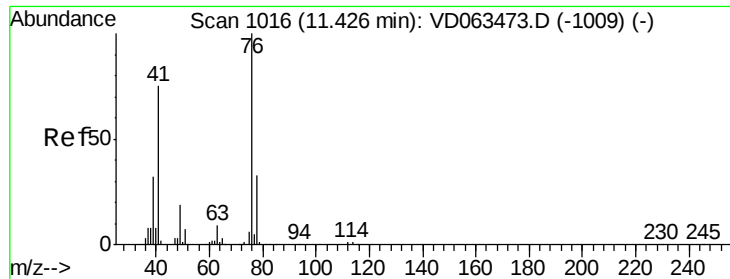
Tot Ion:	97	Resp:	130324
Ion	Ratio	Lower	Upper
97	100		
83	81.7	64.7	97.1
85	57.6	42.9	64.3
99	66.4	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 20.201 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion:	69	Resp:	148130
Ion	Ratio	Lower	Upper
69	100		
41	79.1	64.8	97.2
39	56.4	42.4	63.6





#57

1,3-Dichloropropane

Concen: 18.348 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

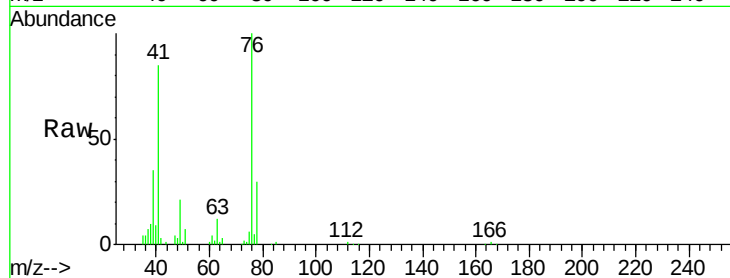
VD0815SBS01

Tot Ion: 76 Resp: 187377

Ion Ratio Lower Upper

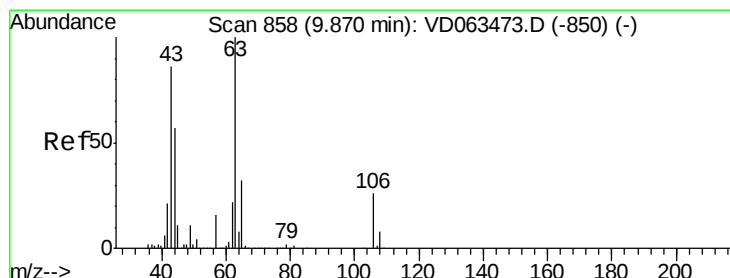
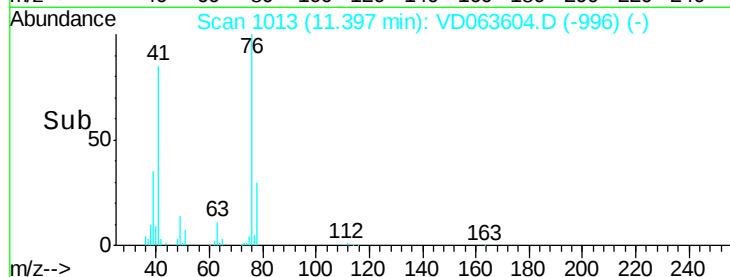
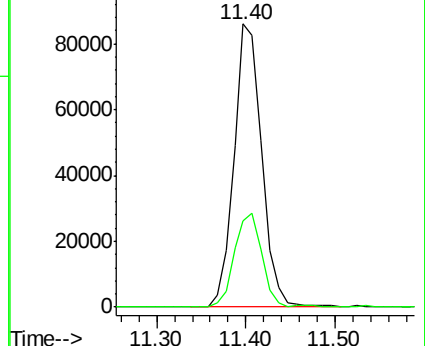
76 100

78 30.3 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: 98.811 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063604.D

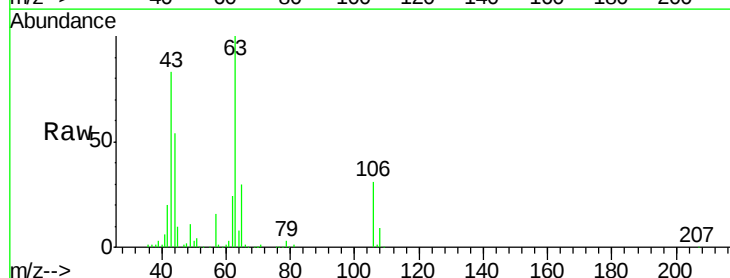
Acq: 15 Aug 2019 14:39

Tgt Ion: 63 Resp: 382530

Ion Ratio Lower Upper

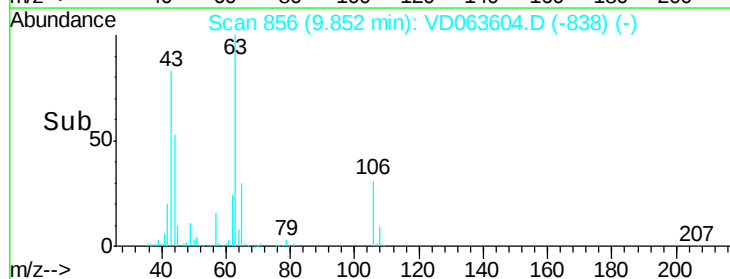
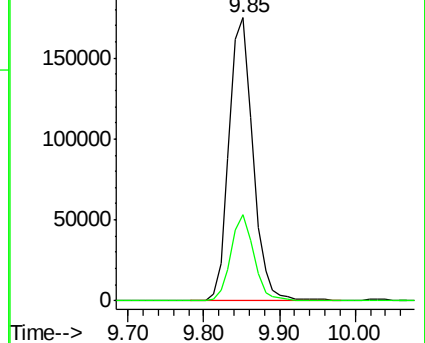
63 100

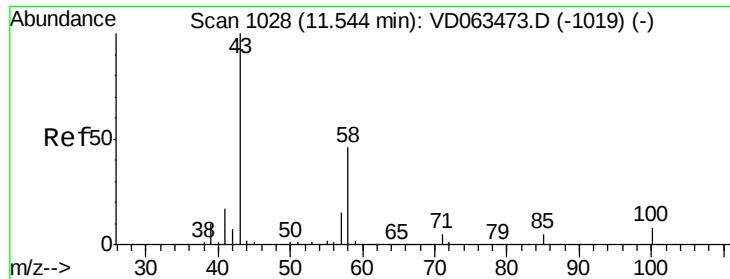
106 30.6 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 106.299 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

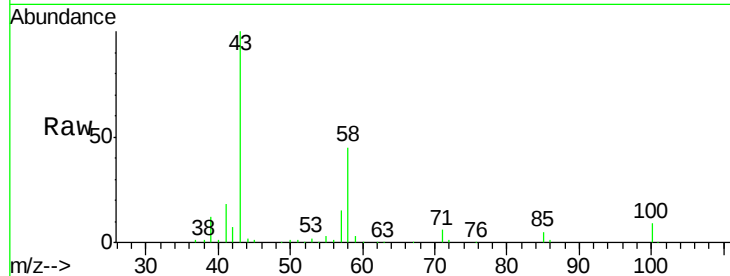
VD0815SBS01

Tot Ion: 43 Resp: 419118

Ion Ratio Lower Upper

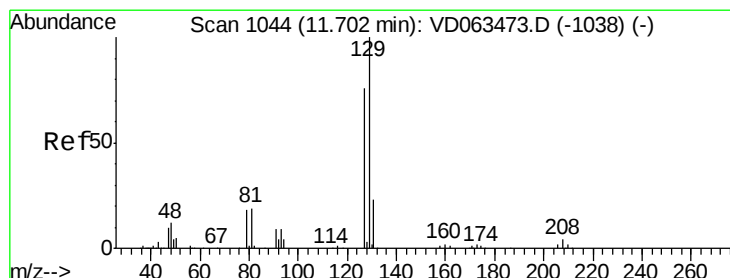
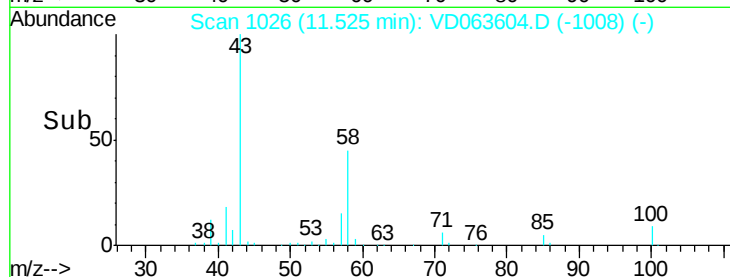
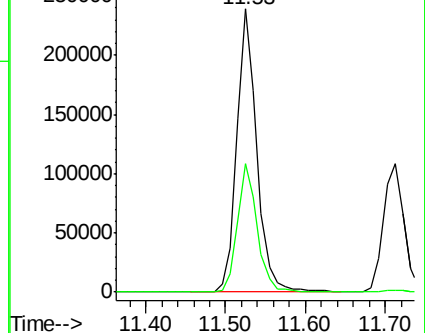
43 100

58 45.4 23.1 69.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 20.075 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD063604.D

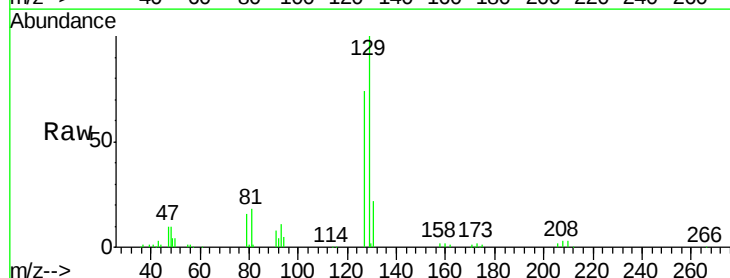
Acq: 15 Aug 2019 14:39

Tgt Ion: 129 Resp: 246798

Ion Ratio Lower Upper

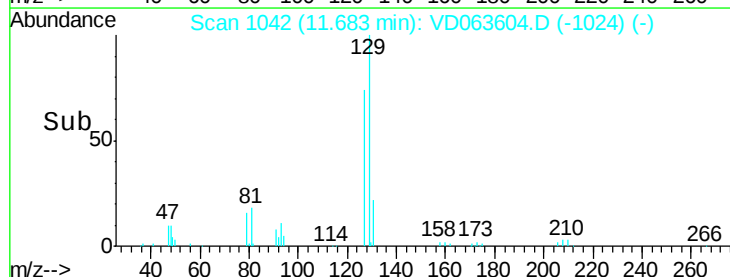
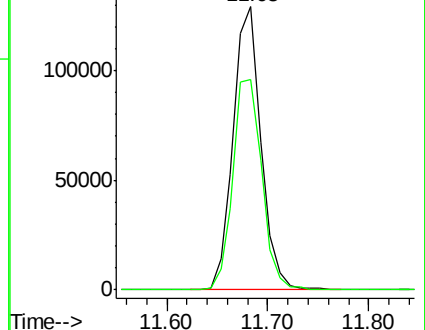
129 100

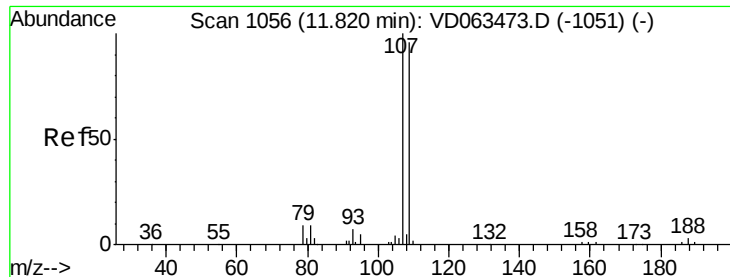
127 74.4 37.8 113.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

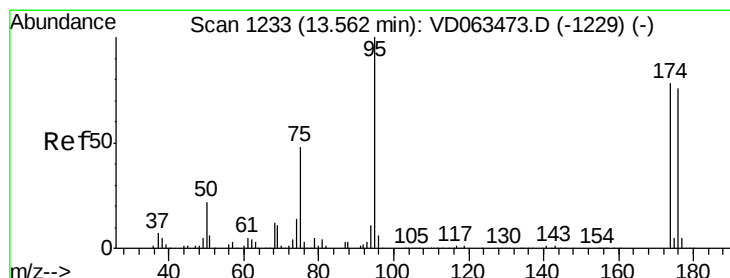
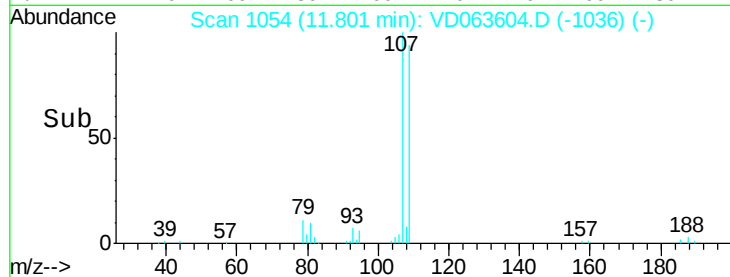
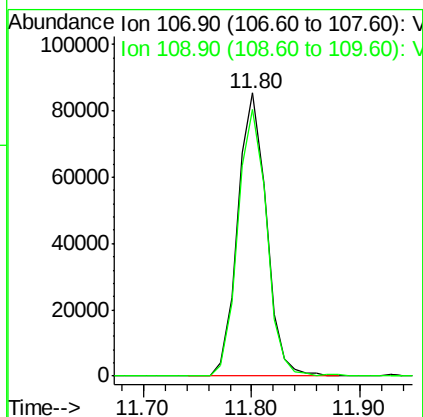
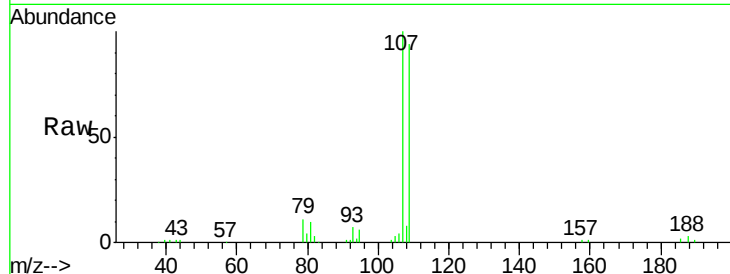




#61
 1,2-Dibromoethane
 Concen: 19.211 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

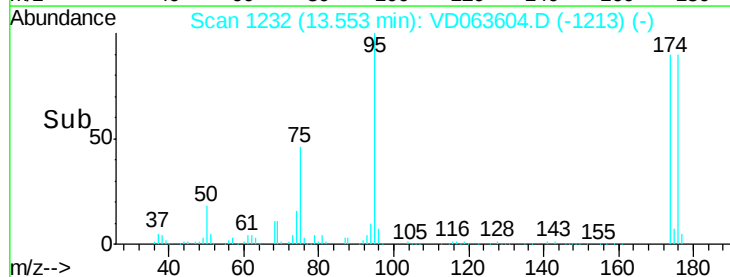
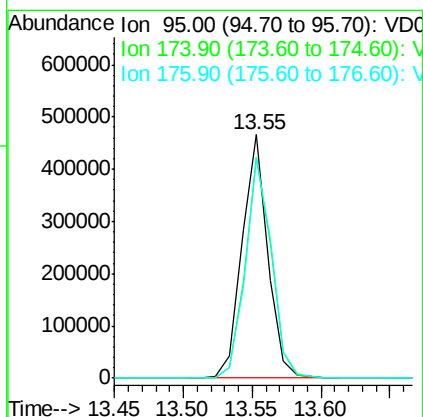
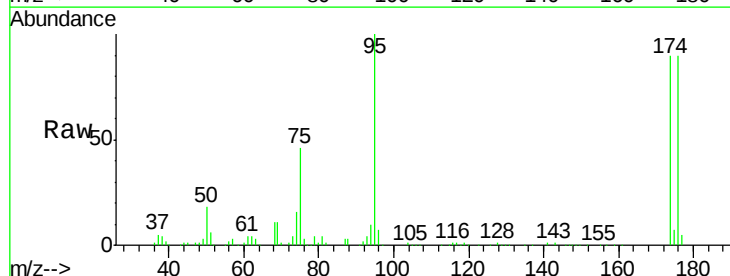
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

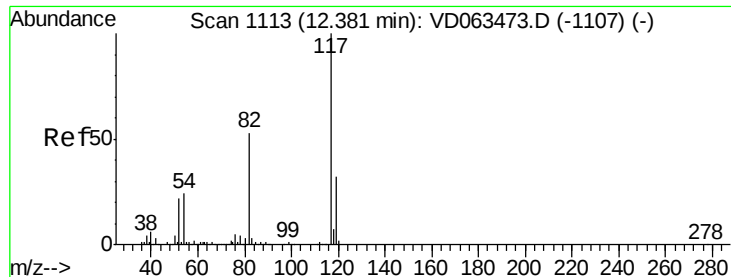
Tot Ion: 107 Resp: 157121
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 45.279 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 95 Resp: 606532
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 155.4
 176 90.3 0.0 152.4

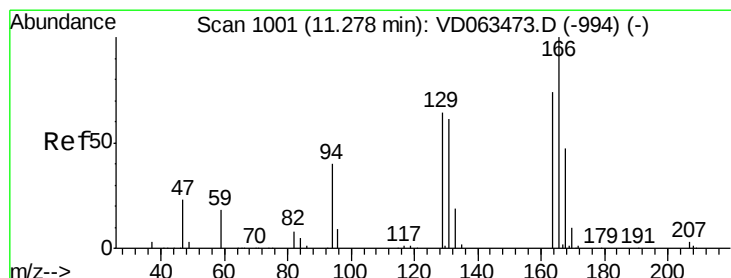
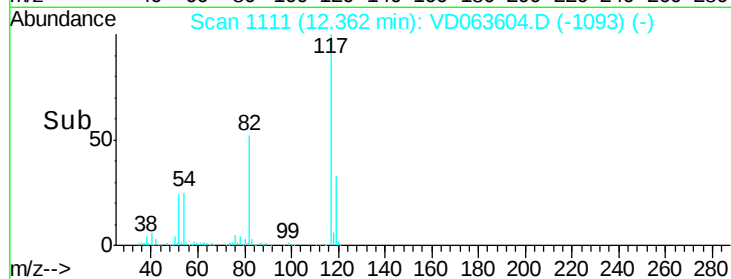
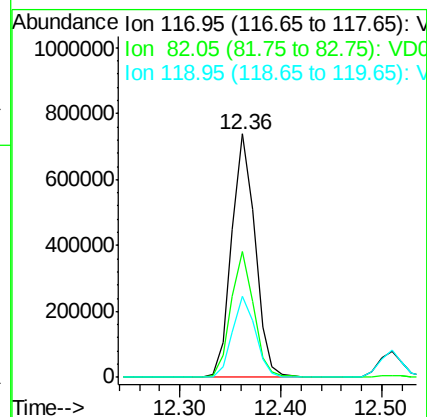
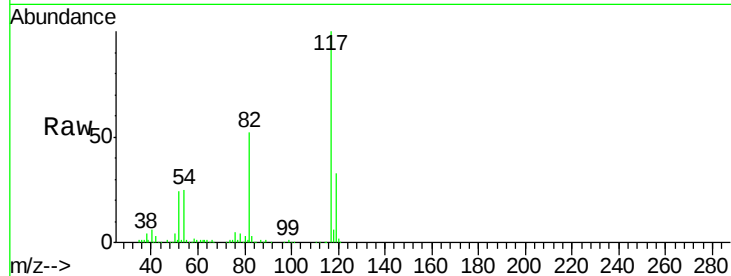




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

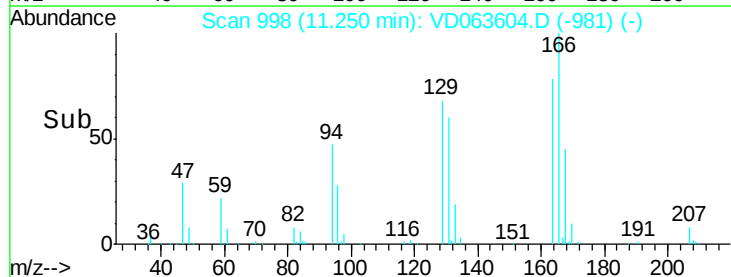
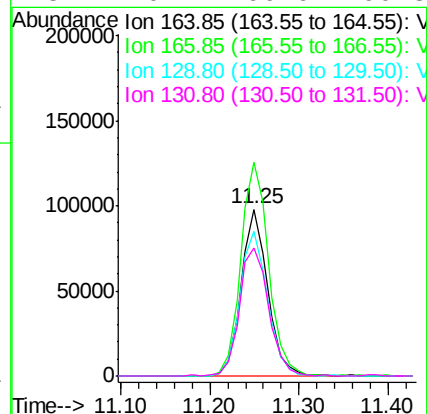
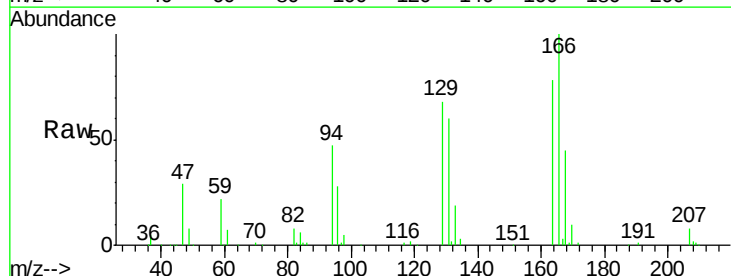
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

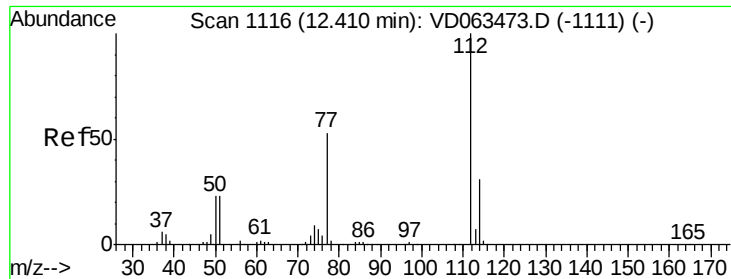
Tot Ion:117 Resp: 1194998
Ion Ratio Lower Upper
117 100
82 51.8 42.0 63.0
119 33.2 25.4 38.0



#64
Tetrachloroethene
Concen: 21.987 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion:164 Resp: 202830
Ion Ratio Lower Upper
164 100
166 128.2 108.6 163.0
129 86.7 69.0 103.6
131 76.7 66.6 99.8

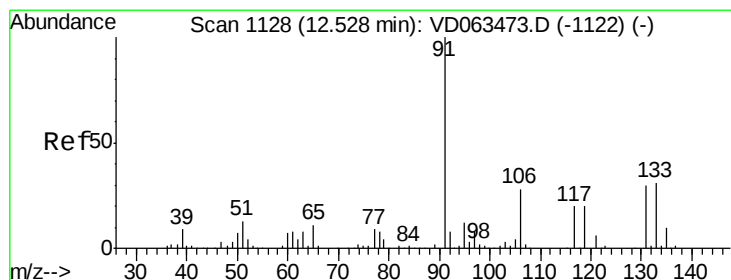
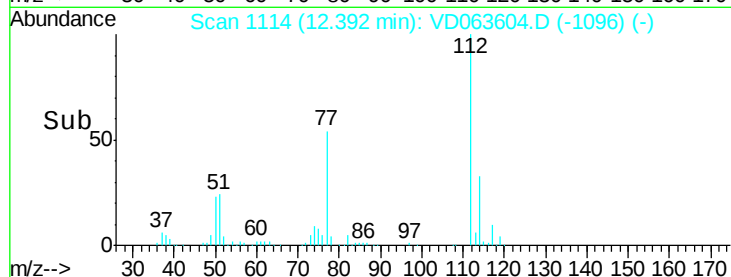
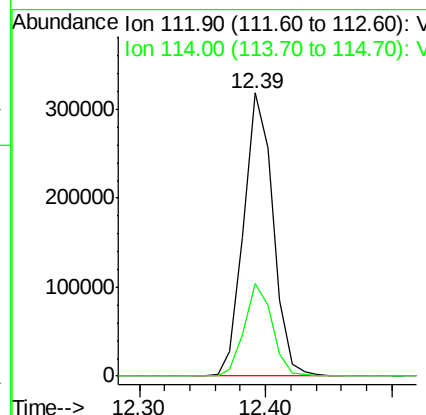
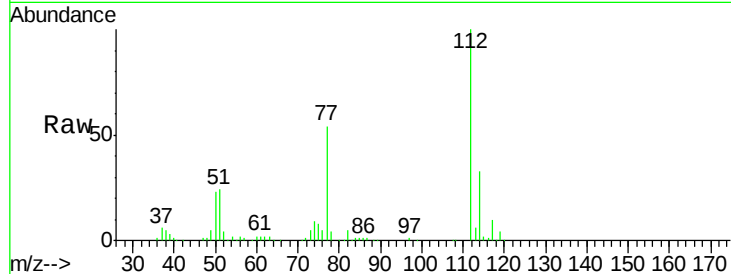




#65
Chlorobenzene
Concen: 22.872 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

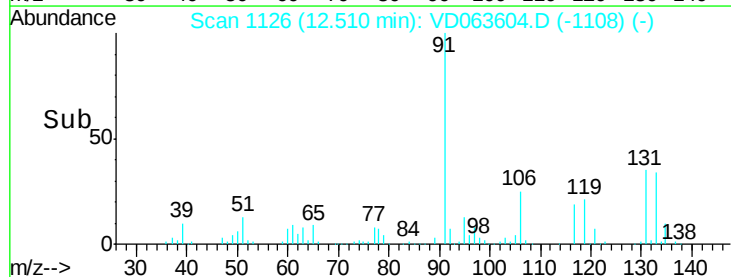
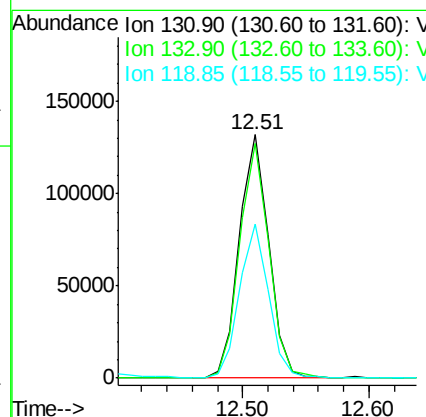
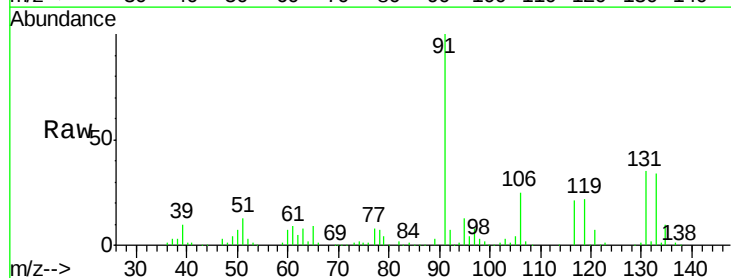
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion:112 Resp: 512266
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.659 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion:131 Resp: 213490
Ion Ratio Lower Upper
131 100
133 96.4 51.1 153.3
119 63.3 33.1 99.3

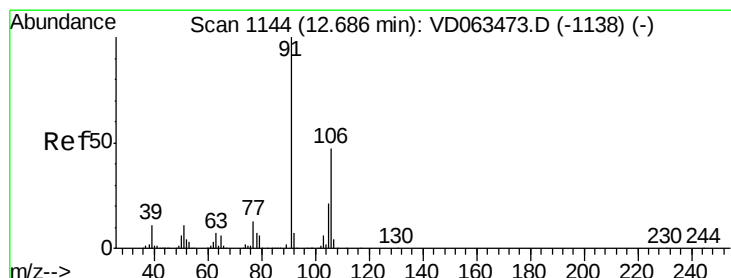
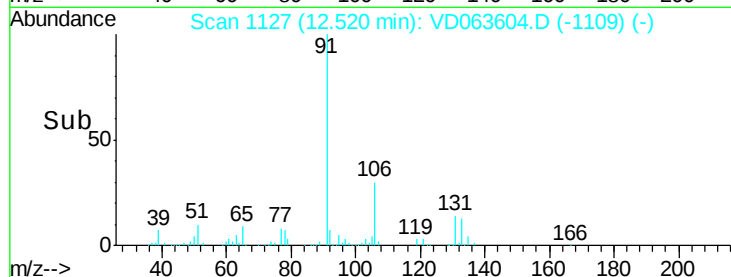
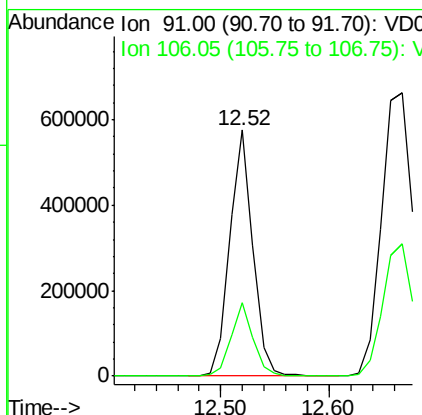
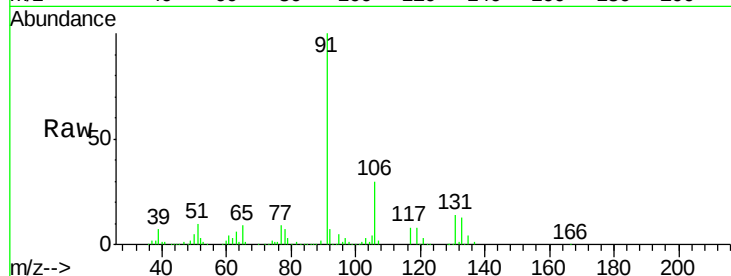




#67
Ethyl Benzene
Concen: 21.970 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

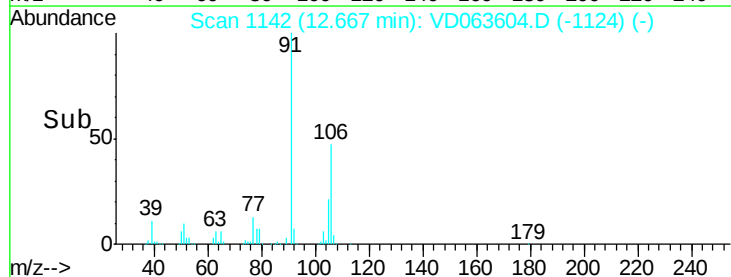
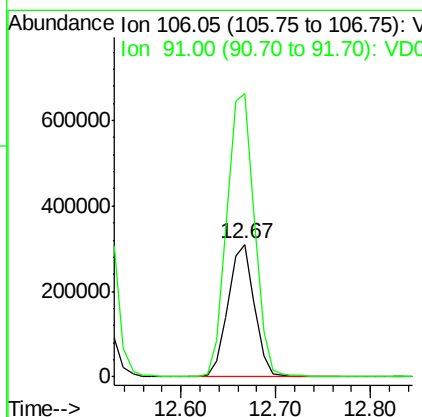
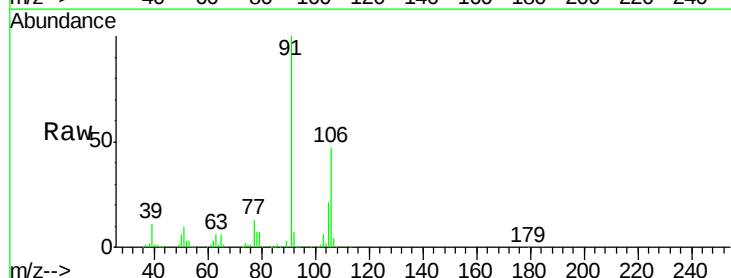
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

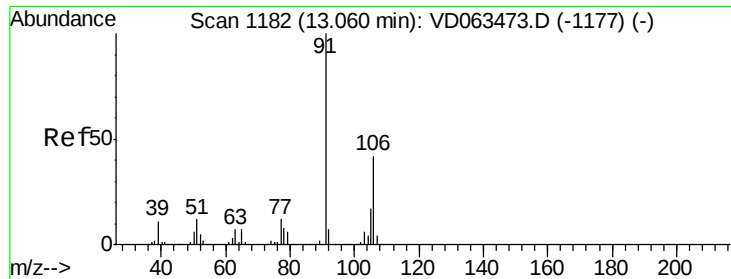
Tot Ion: 91 Resp: 855576
Ion Ratio Lower Upper
91 100
106 29.7 23.1 34.7



#68
m/p-Xylenes
Concen: 43.592 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion: 106 Resp: 596428
Ion Ratio Lower Upper
106 100
91 213.4 171.8 257.8

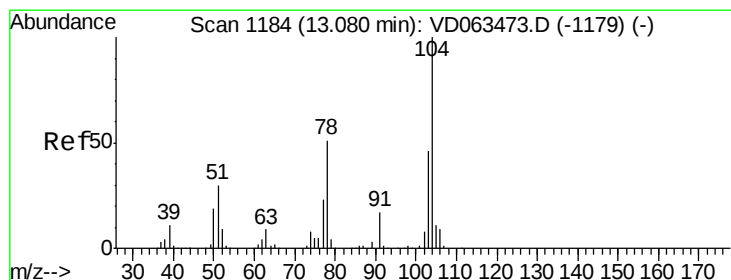
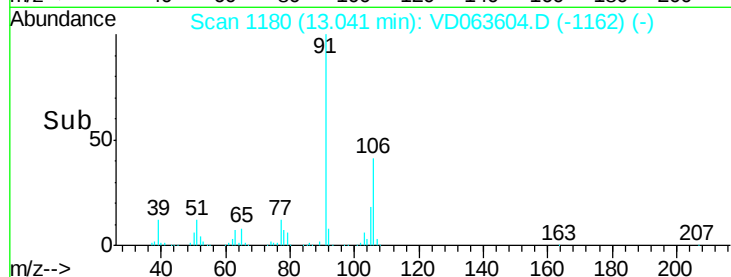
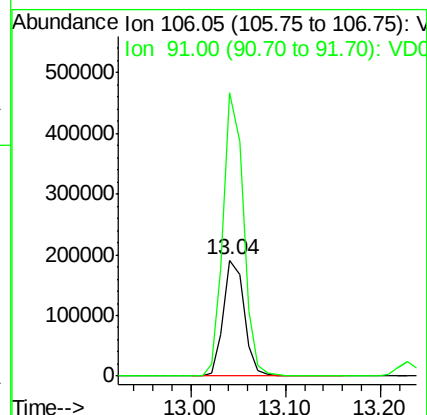
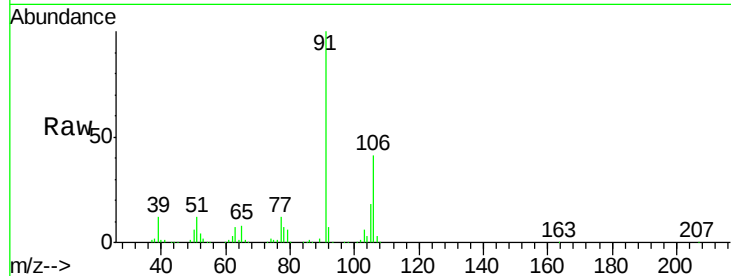




#69
o-Xylene
Concen: 22.263 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

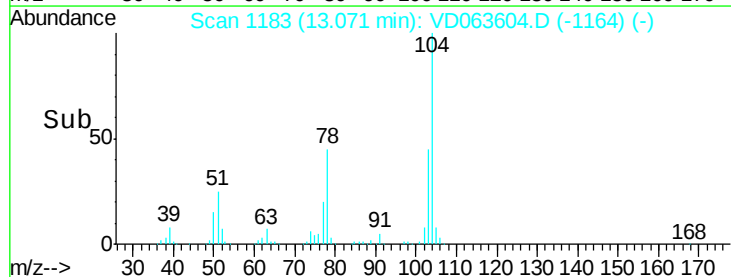
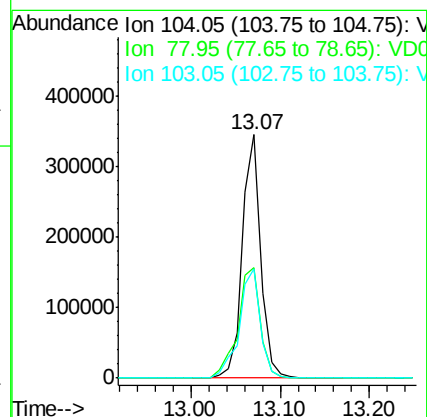
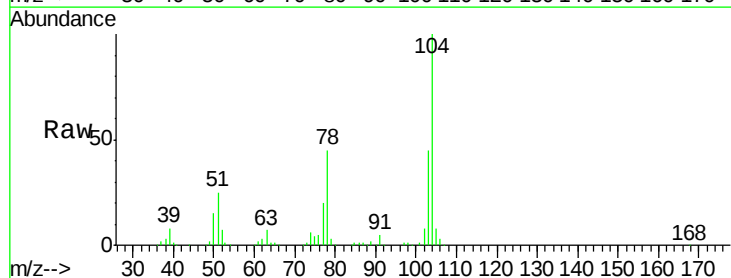
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

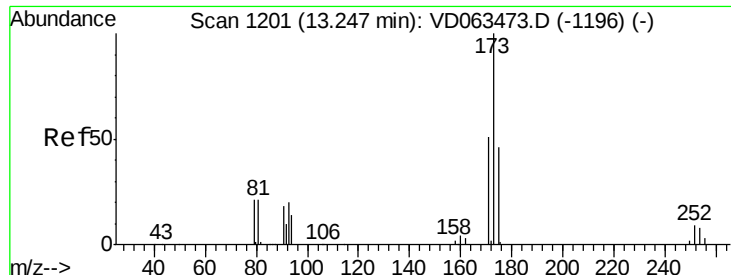
Tot Ion:106 Resp: 293161
Ion Ratio Lower Upper
106 100
91 243.9 118.1 354.2



#70
Styrene
Concen: 21.282 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion:104 Resp: 498514
Ion Ratio Lower Upper
104 100
78 45.5 40.8 61.2
103 44.9 36.4 54.6





#71

Bromoform

Concen: 22.937 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

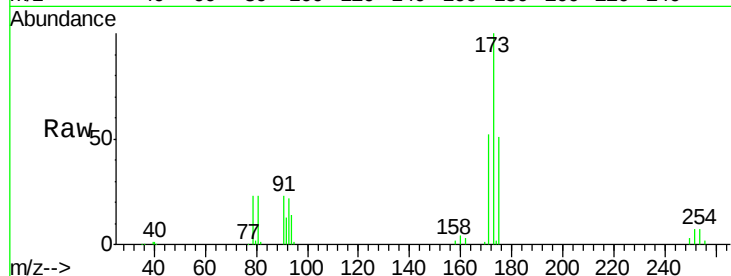
Tot Ion:173 Resp: 155024

Ion Ratio Lower Upper

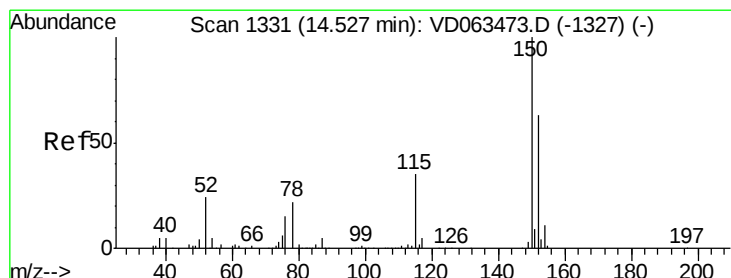
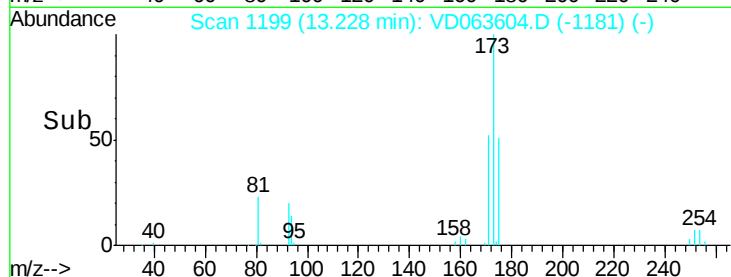
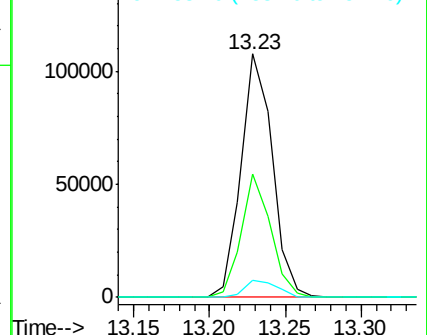
173 100

175 50.7 22.8 68.3

254 7.0 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: VD063604.D

Acq: 15 Aug 2019 14:39

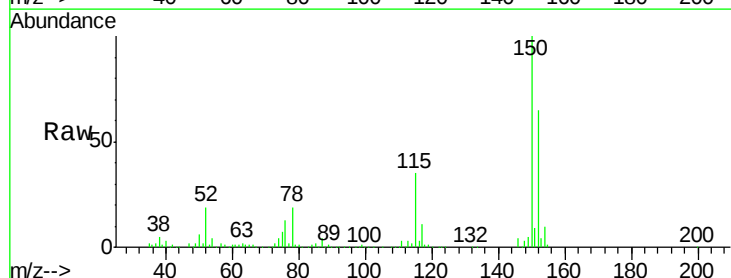
Tgt Ion:152 Resp: 613204

Ion Ratio Lower Upper

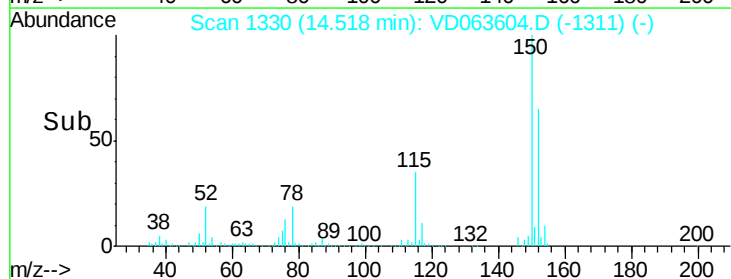
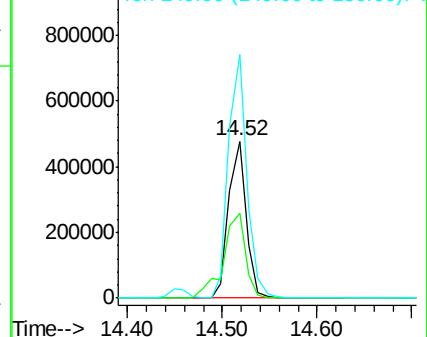
152 100

115 54.0 30.9 92.7

150 155.0 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: 22.946 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

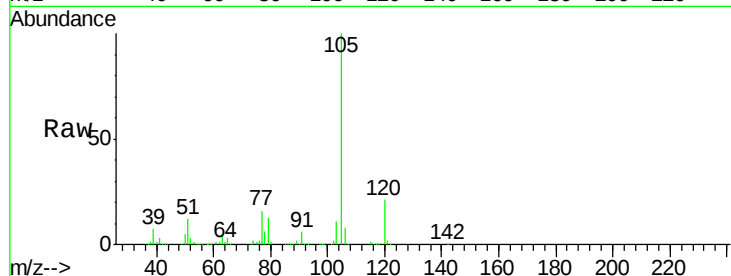
VD0815SBS01

Tot Ion: 105 Resp: 894949

Ion Ratio Lower Upper

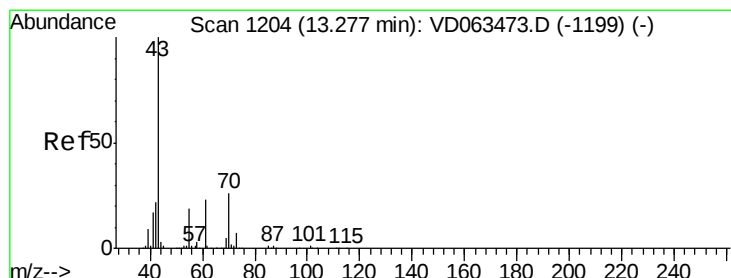
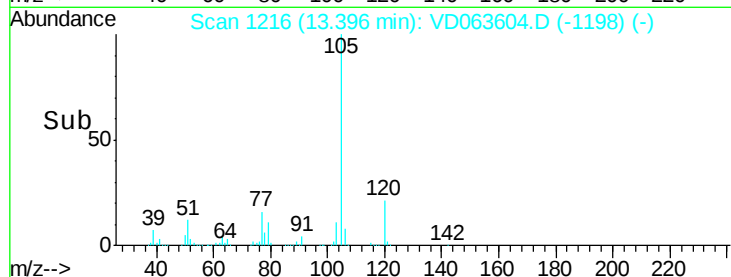
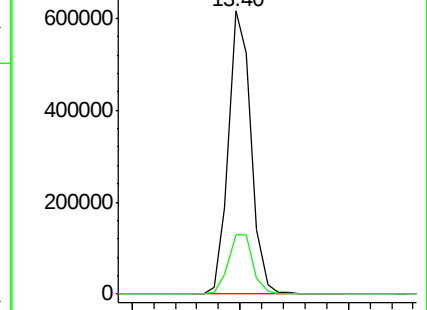
105 100

120 20.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 24.081 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 235775

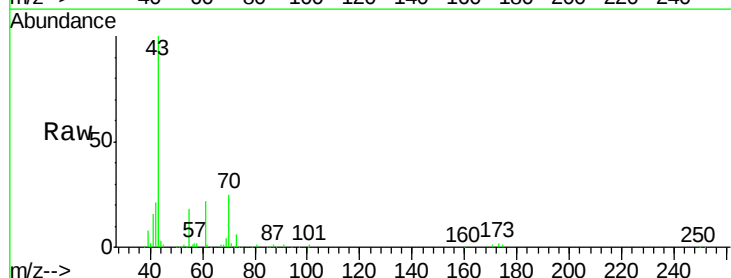
Ion Ratio Lower Upper

43 100

70 24.6 21.1 31.7

55 18.1 15.4 23.0

61 21.8 18.2 27.2

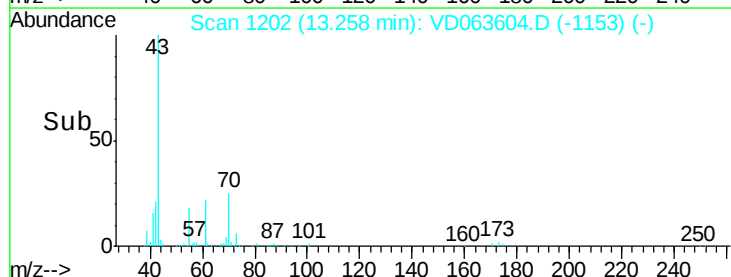
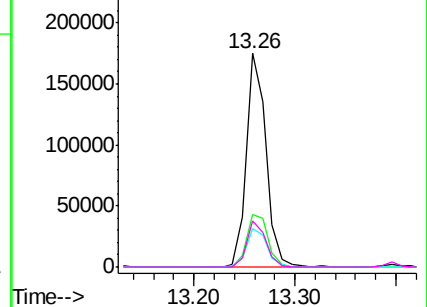


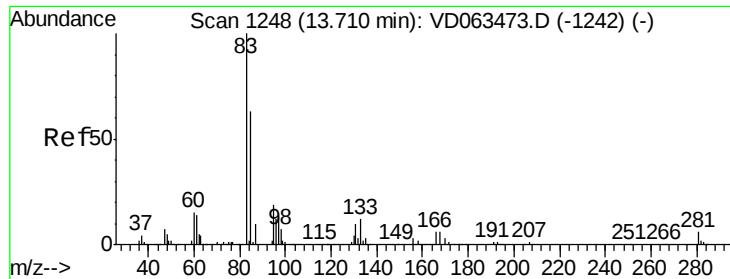
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.440 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

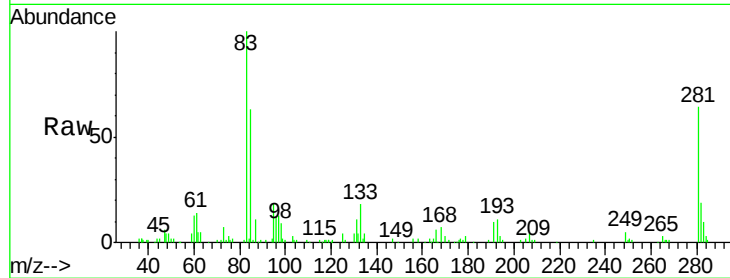
Tot Ion: 83 Resp: 145274

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.8

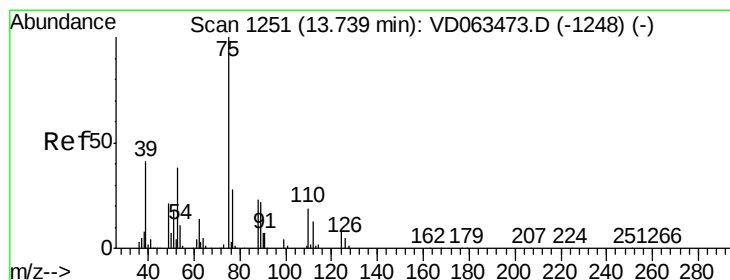
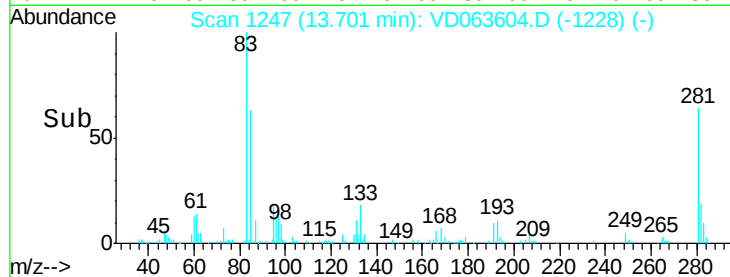
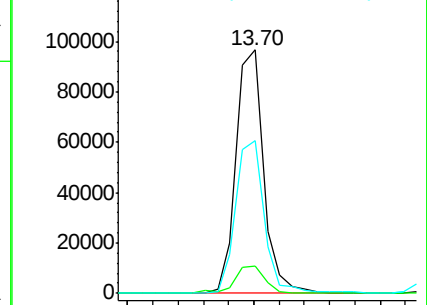
85 62.5 31.4 94.3



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: 21.836 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063604.D

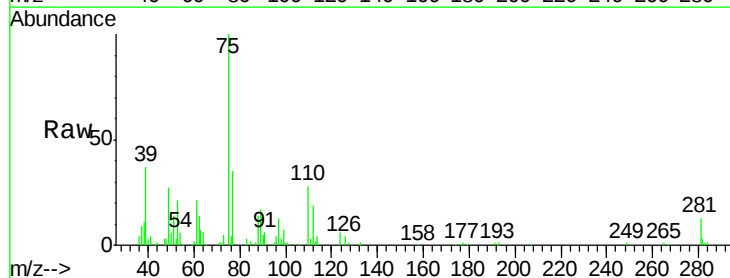
Acq: 15 Aug 2019 14:39

Tgt Ion: 75 Resp: 153671

Ion Ratio Lower Upper

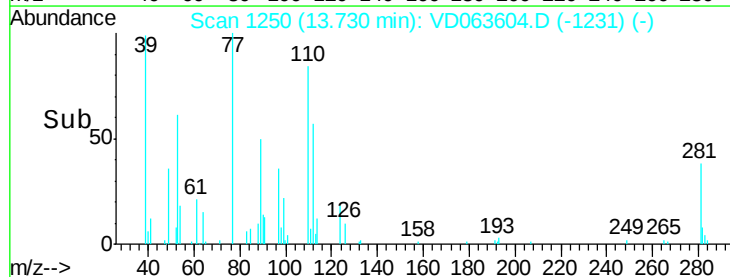
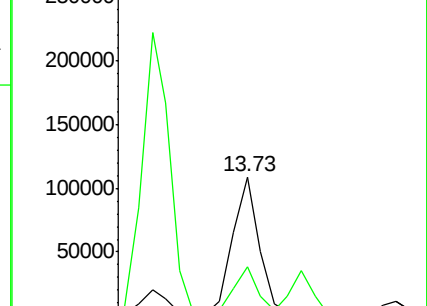
75 100

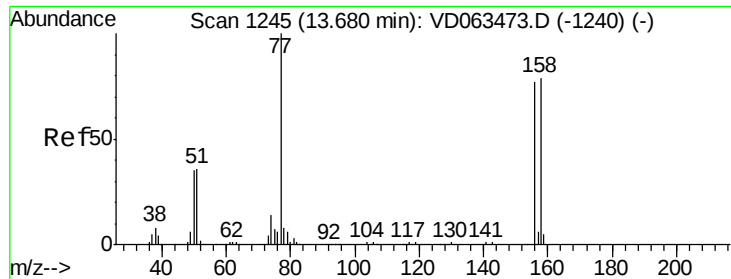
77 35.3 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.247 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

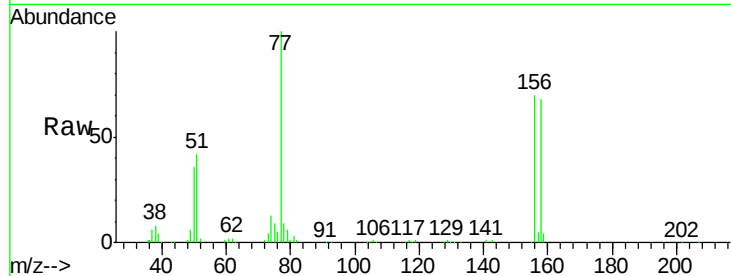
Tot Ion:156 Resp: 237151

Ion Ratio Lower Upper

156 100

77 143.0 64.6 193.8

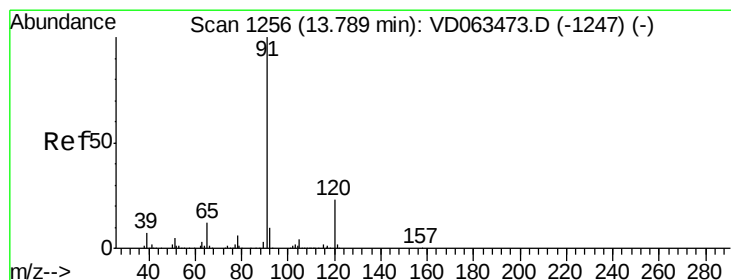
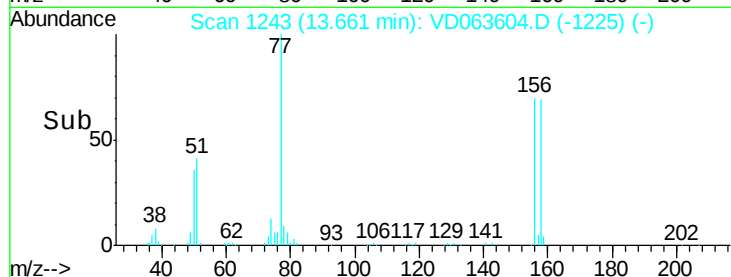
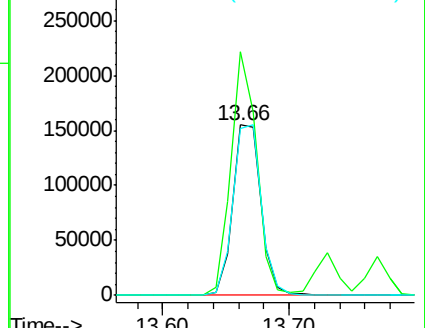
158 97.7 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.746 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063604.D

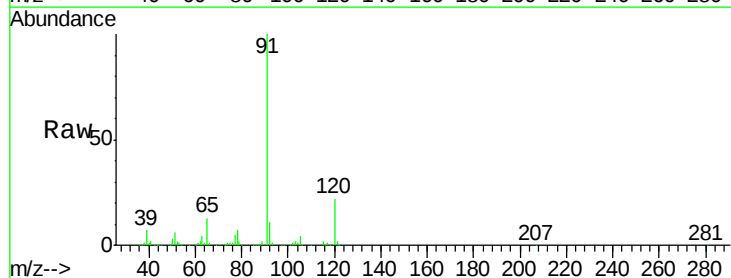
Acq: 15 Aug 2019 14:39

Tgt Ion: 91 Resp: 992381

Ion Ratio Lower Upper

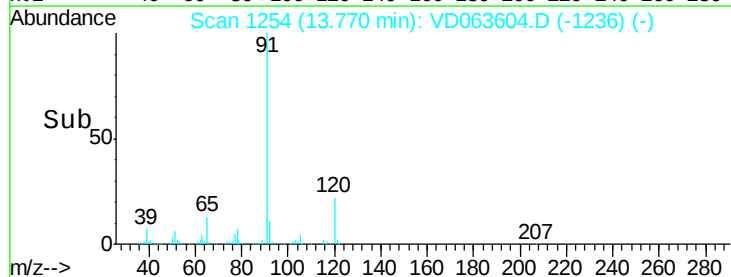
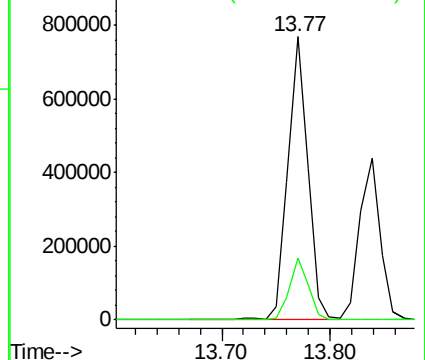
91 100

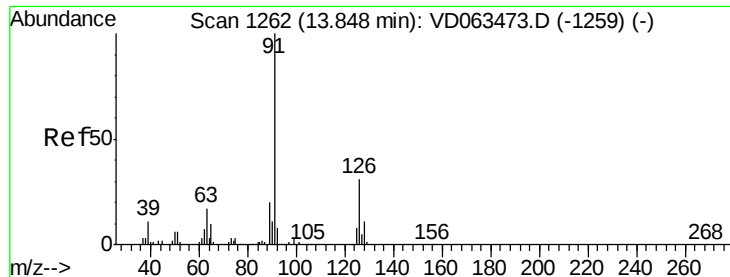
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

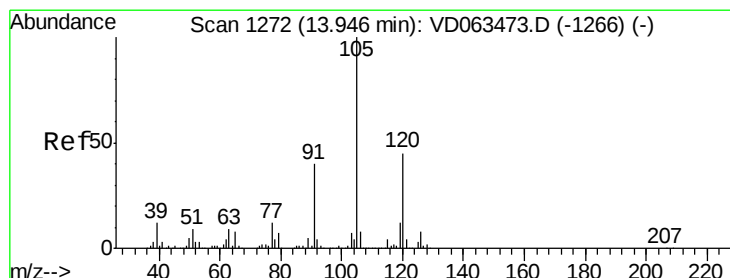
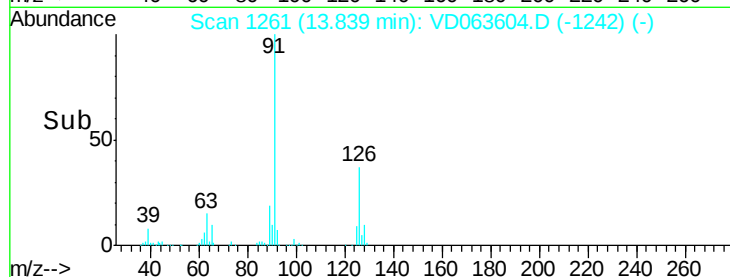
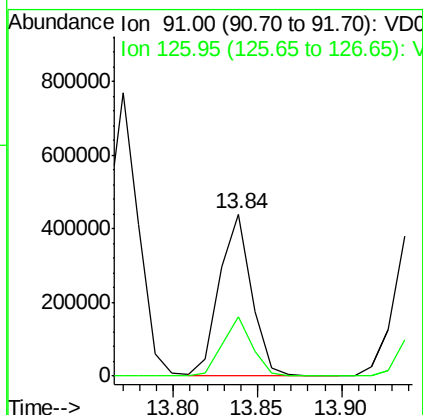
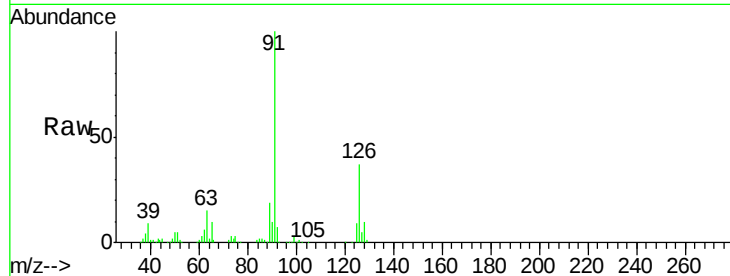




#79
 2-Chlorotoluene
 Concen: 22.127 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

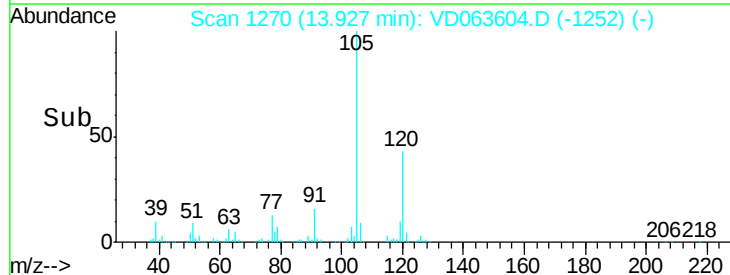
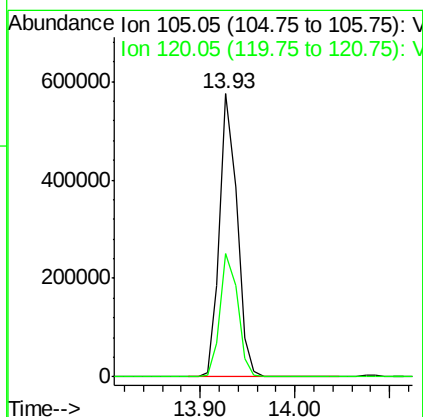
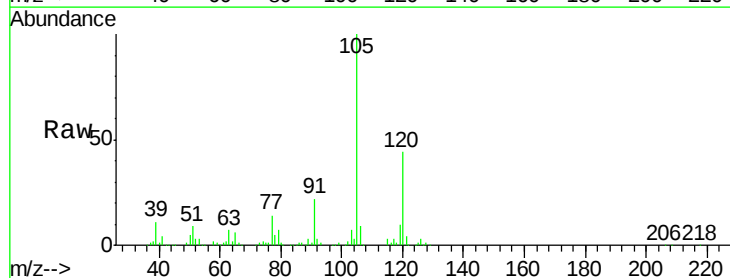
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

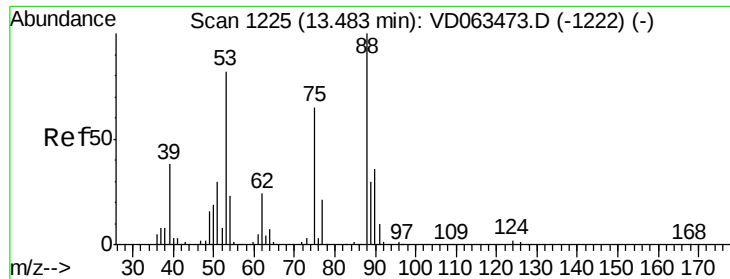
Tot Ion: 91 Resp: 582218
 Ion Ratio Lower Upper
 91 100
 126 36.7 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.729 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 105 Resp: 740504
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 22.049 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

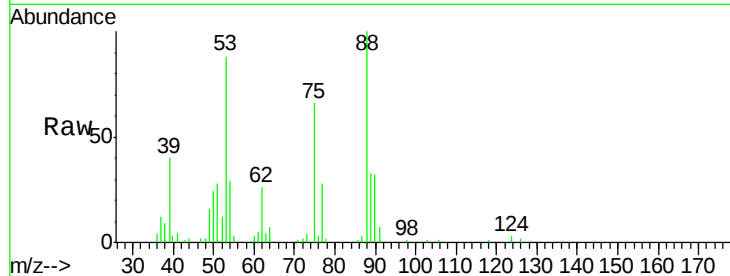
Tot Ion: 75 Resp: 41706

Ion Ratio Lower Upper

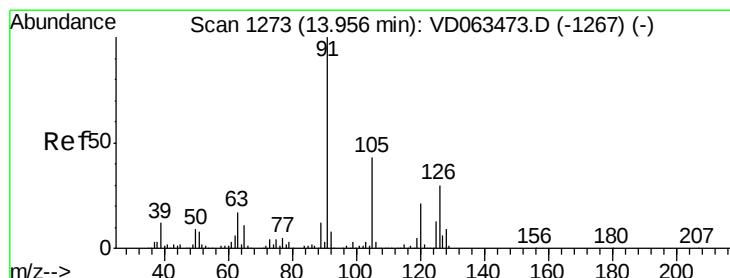
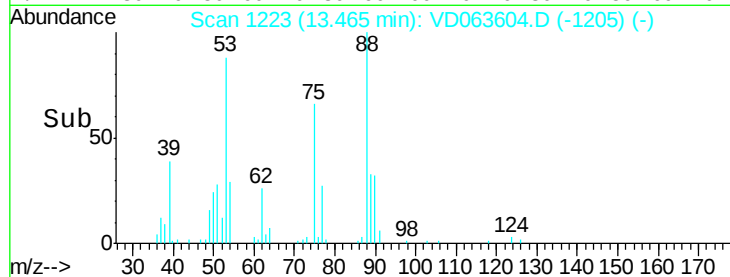
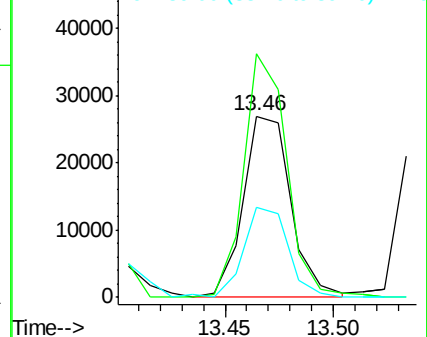
75 100

53 134.5 101.0 151.4

89 50.0 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.701 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063604.D

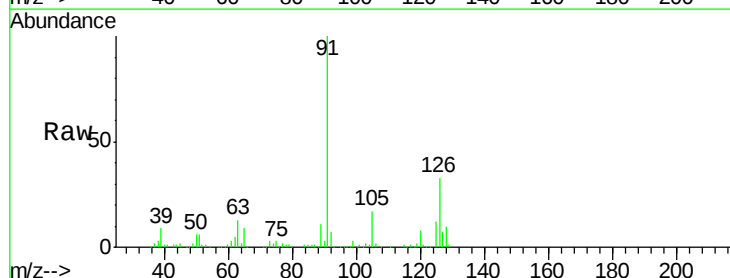
Acq: 15 Aug 2019 14:39

Tgt Ion: 91 Resp: 686640

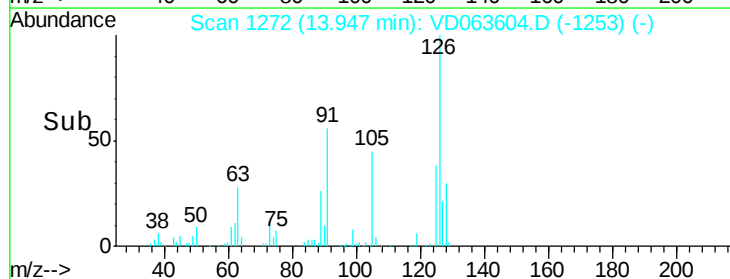
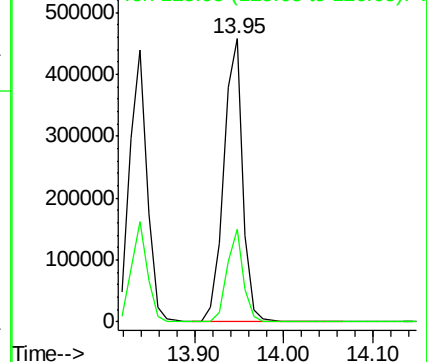
Ion Ratio Lower Upper

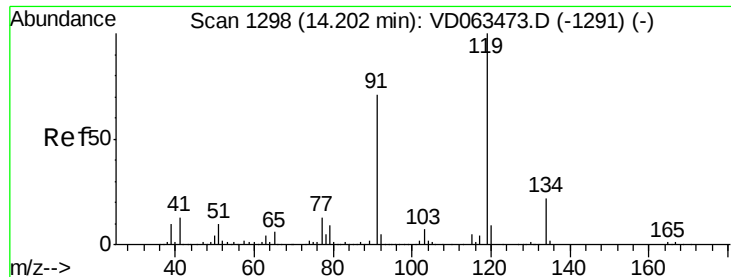
91 100

126 32.8 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

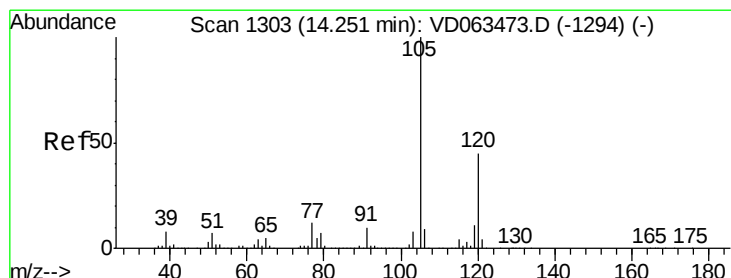
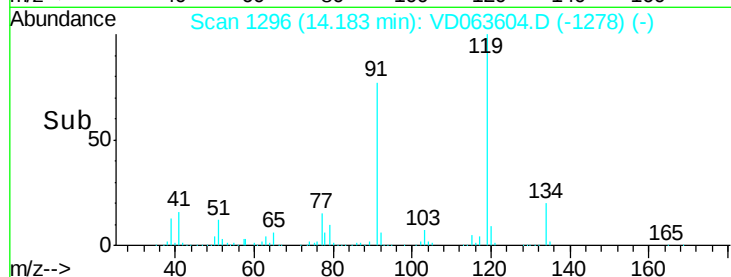
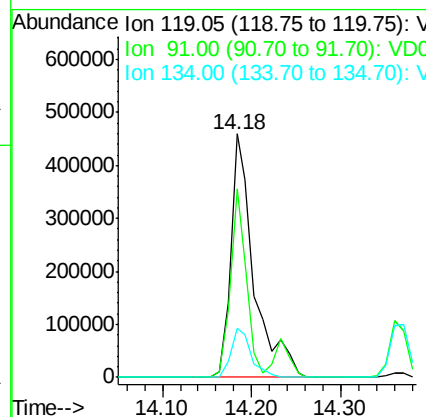
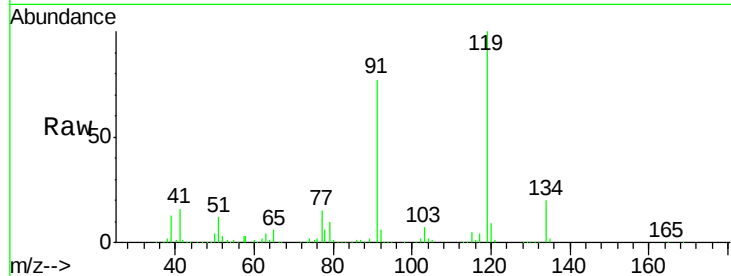




#83
 tert-Butylbenzene
 Concen: 23.419 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

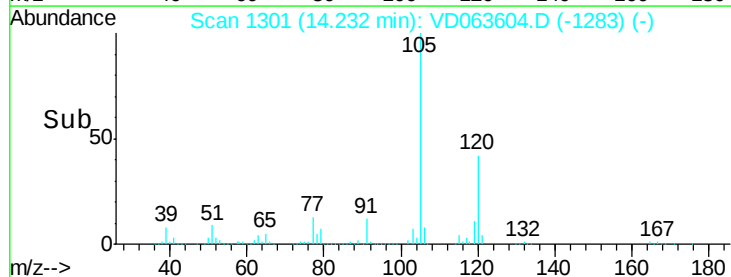
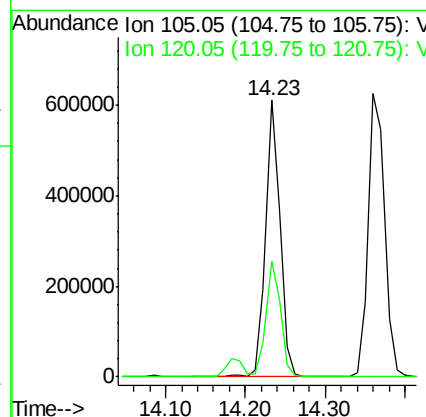
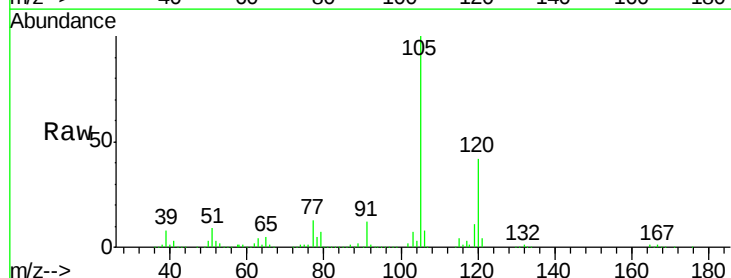
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

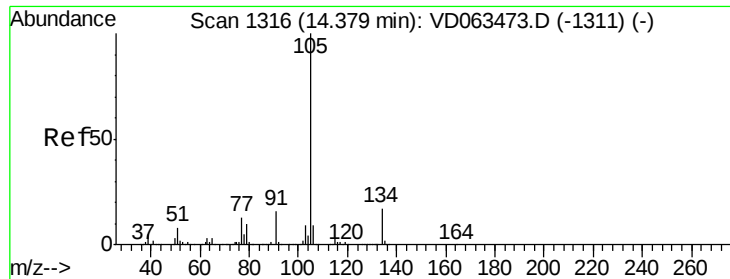
Tot Ion:119 Resp: 840425
 Ion Ratio Lower Upper
 119 100
 91 77.5 35.5 106.7
 134 19.9 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.886 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion:105 Resp: 753180
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 23.181 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

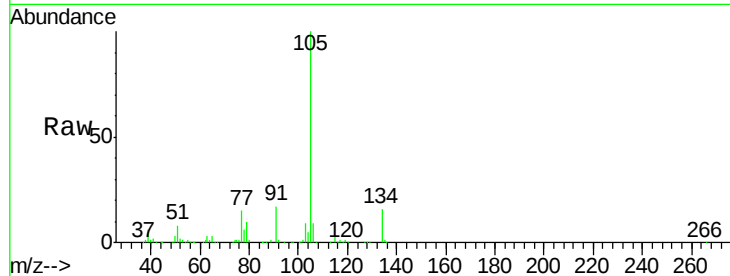
VD0815SBS01

Tot Ion:105 Resp: 883437

Ion Ratio Lower Upper

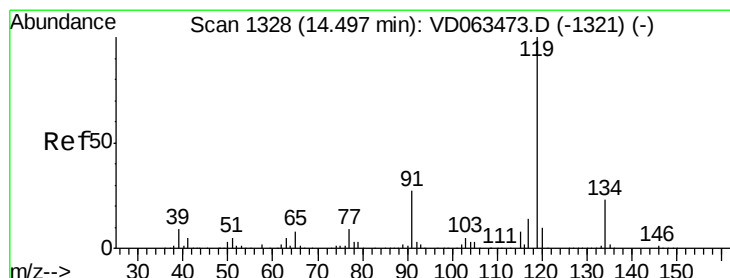
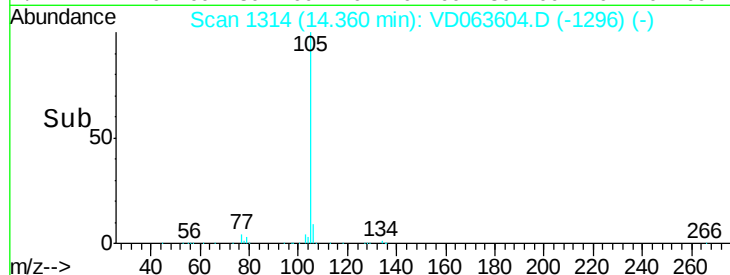
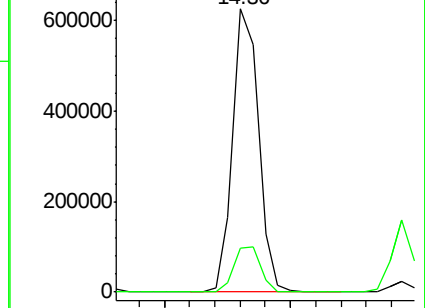
105 100

134 15.6 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.252 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

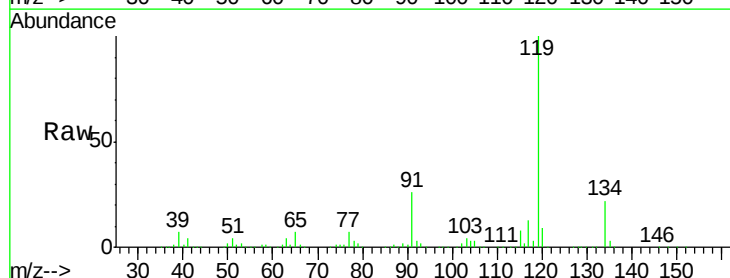
Tgt Ion:119 Resp: 847288

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

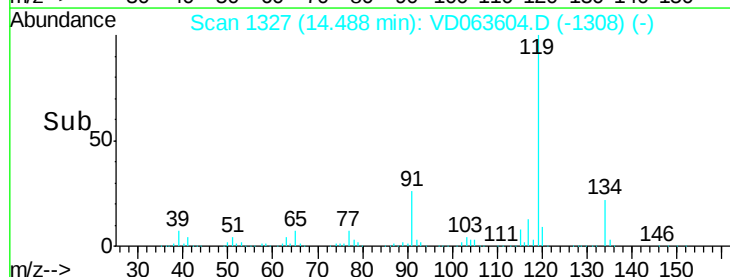
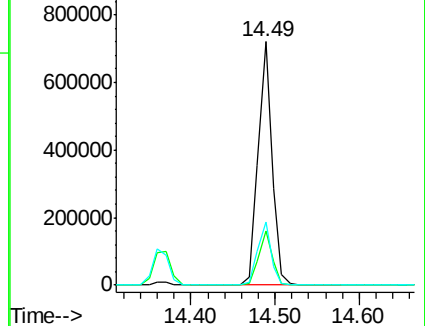
91 25.9 13.5 40.4

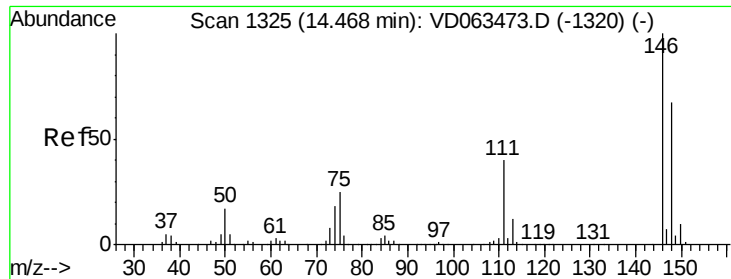


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

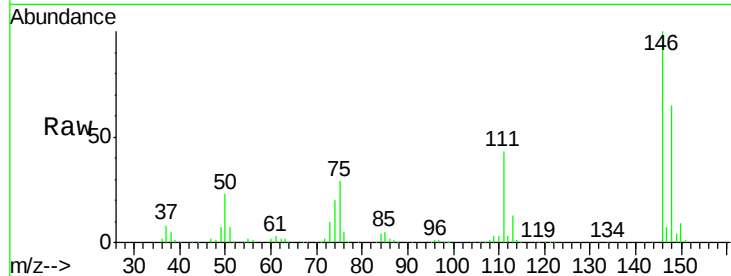




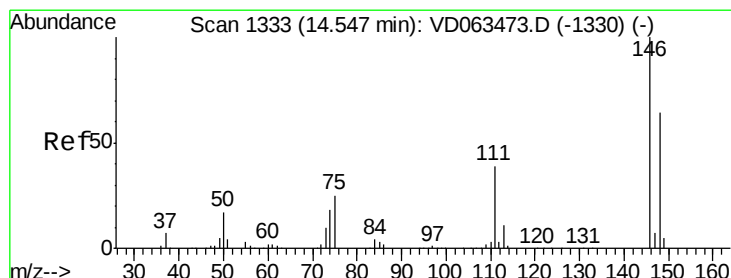
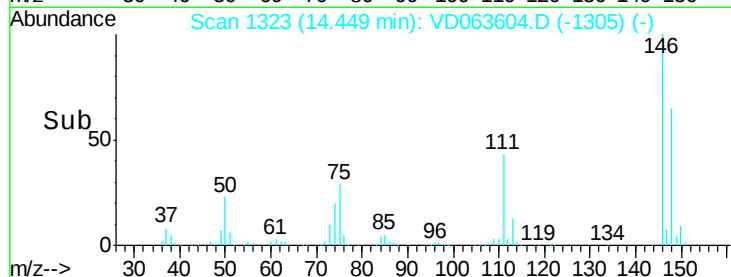
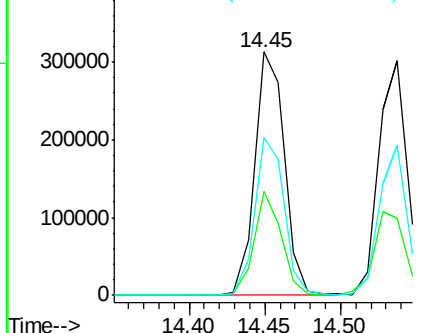
#87
 1,3-Dichlorobenzene
 Concen: 22.239 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion:146 Resp: 428796
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.0 60.0
 148 64.6 33.6 100.6

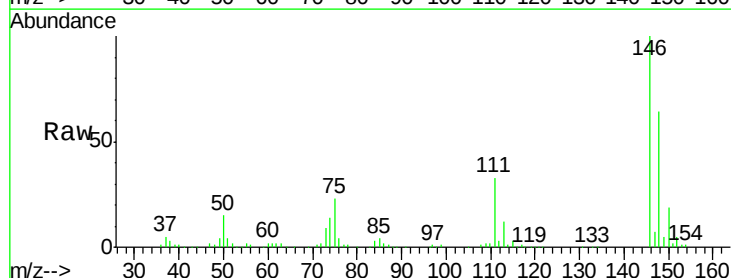


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

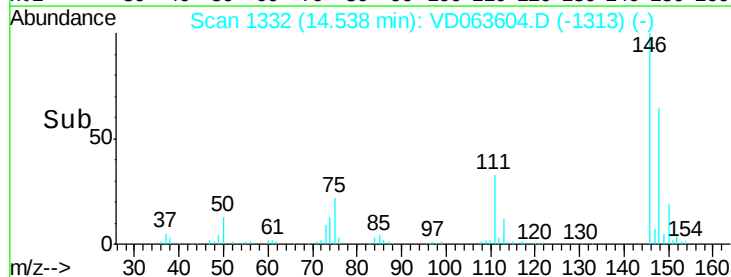
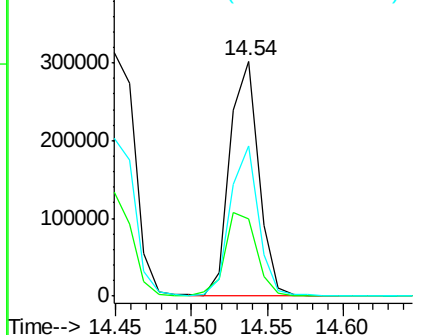


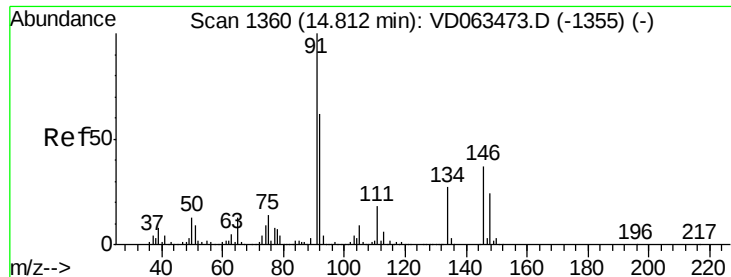
#88
 1,4-Dichlorobenzene
 Concen: 21.535 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion:146 Resp: 398378
 Ion Ratio Lower Upper
 146 100
 111 32.7 19.7 59.0
 148 63.7 32.1 96.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.250 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

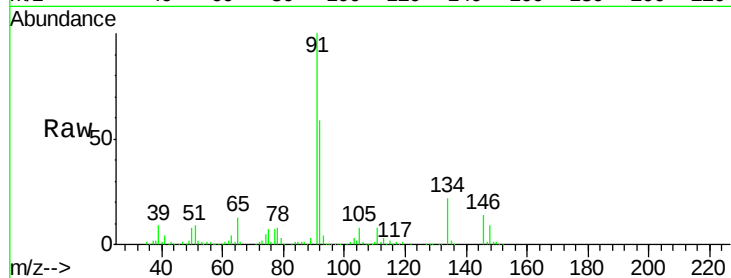
Tot Ion: 91 Resp: 739984

Ion Ratio Lower Upper

91 100

92 58.8 30.8 92.3

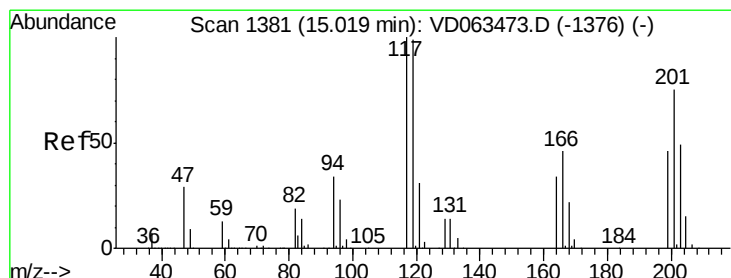
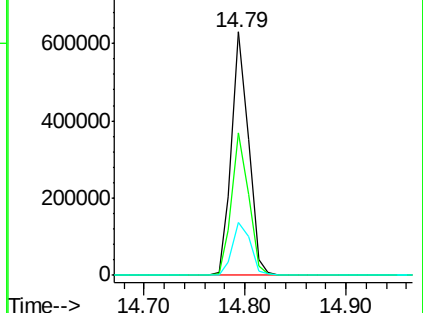
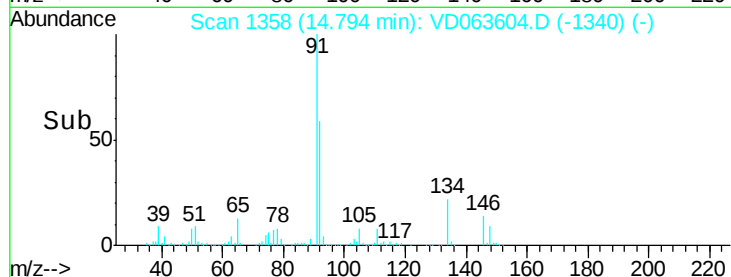
134 22.0 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.764 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063604.D

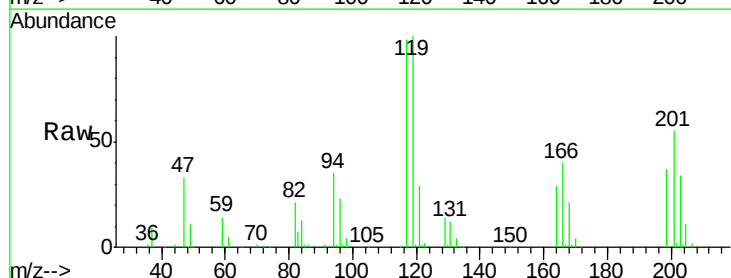
Acq: 15 Aug 2019 14:39

Tgt Ion: 117 Resp: 199333

Ion Ratio Lower Upper

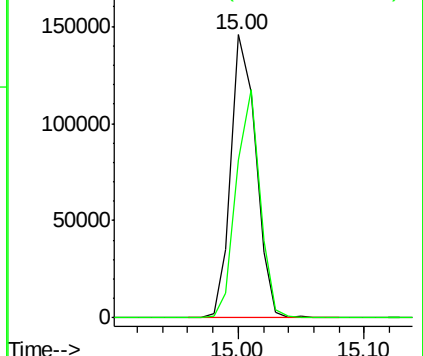
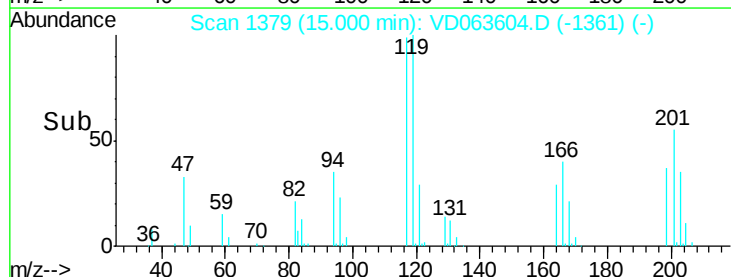
117 100

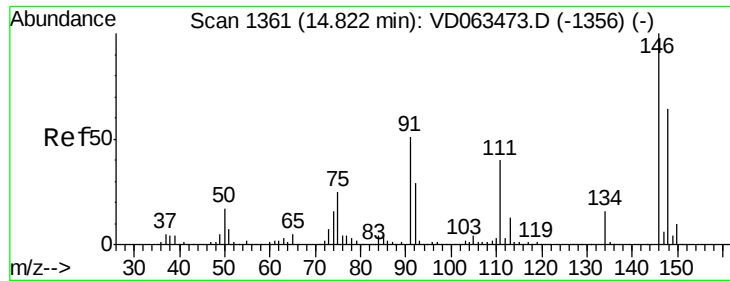
201 55.7 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

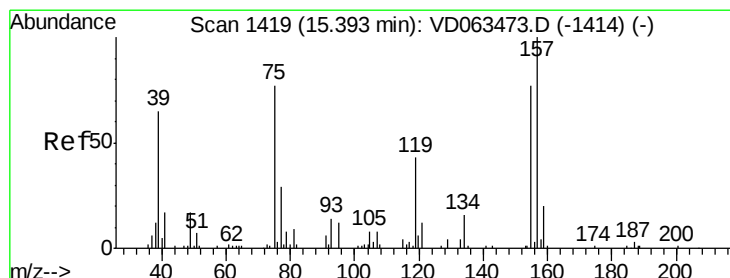
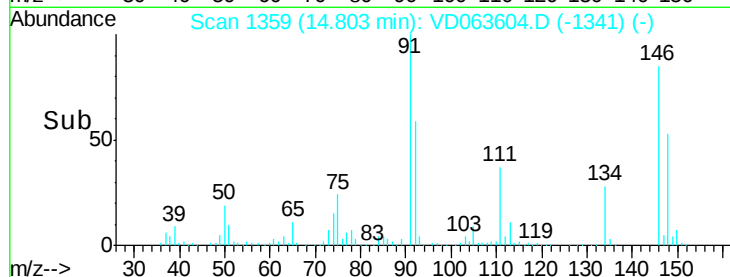
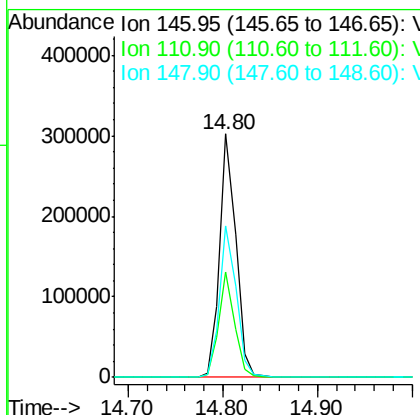
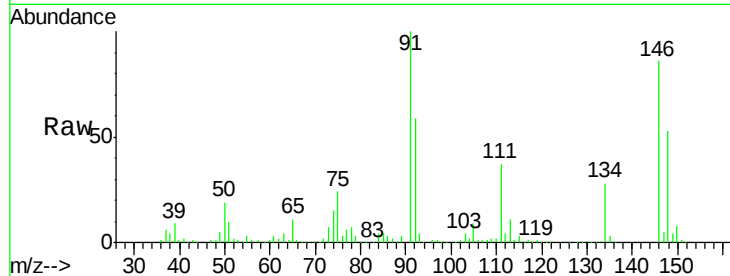




#91
 1,2-Dichlorobenzene
 Concen: 22.074 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

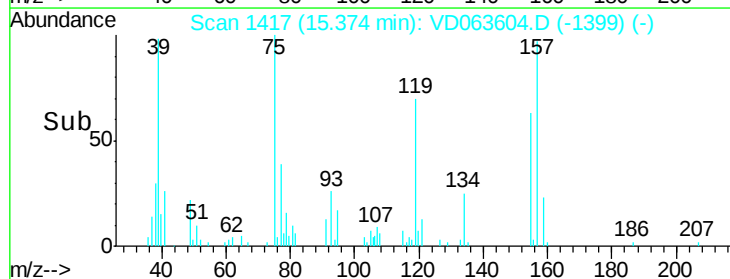
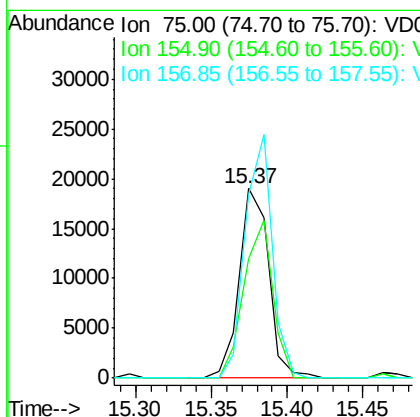
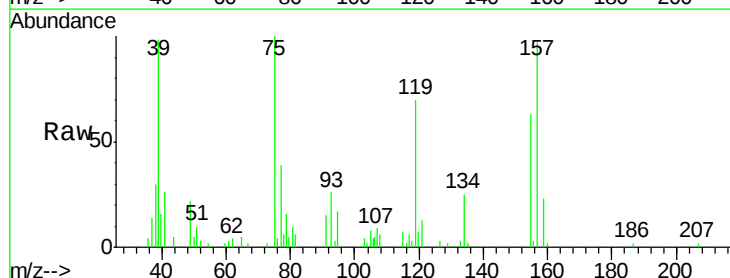
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

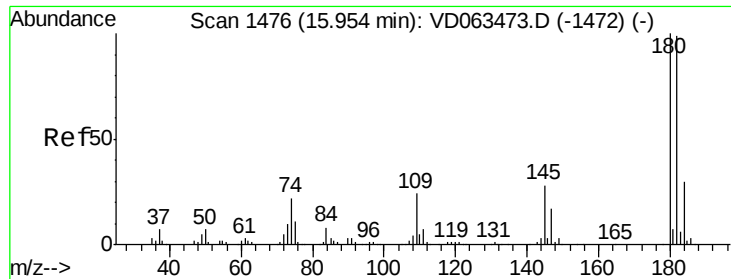
Tot Ion:146 Resp: 361110
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.2 60.6
 148 62.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.050 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion: 75 Resp: 25659
 Ion Ratio Lower Upper
 75 100
 155 62.9 50.1 150.3
 157 97.3 65.0 195.1

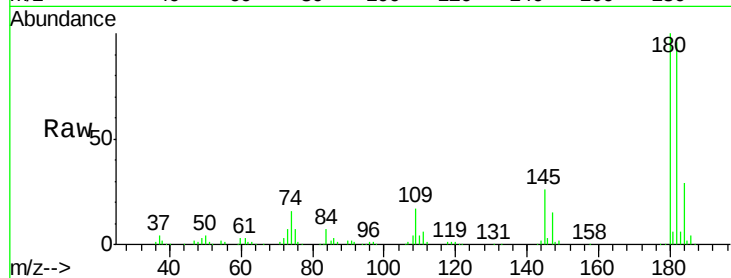




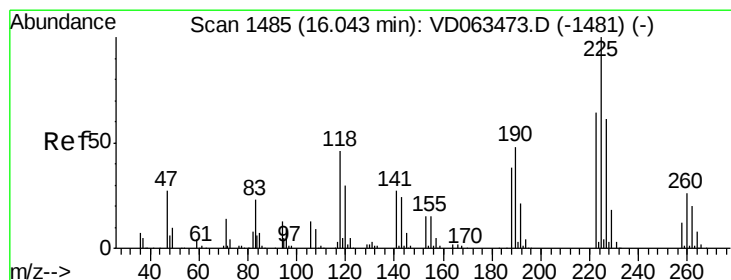
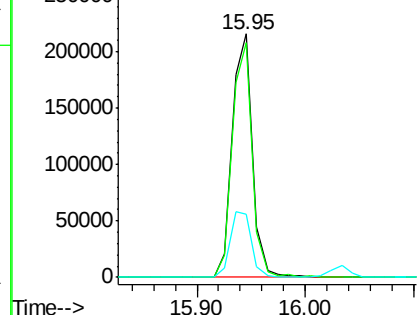
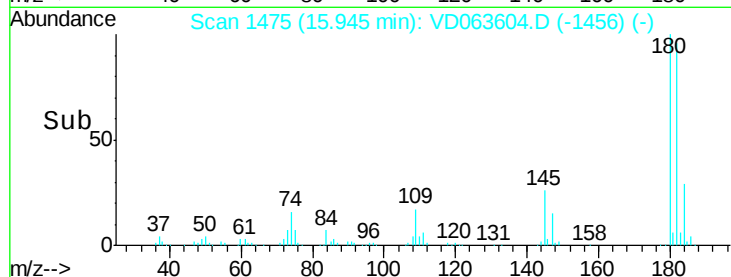
#93
 1,2,4-Trichlorobenzene
 Concen: 23.296 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	49.7	149.1
145	25.9	14.1	42.2

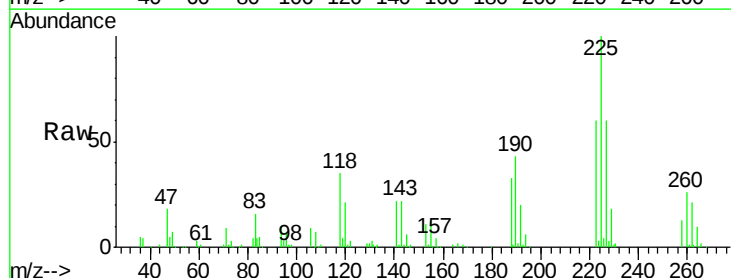


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

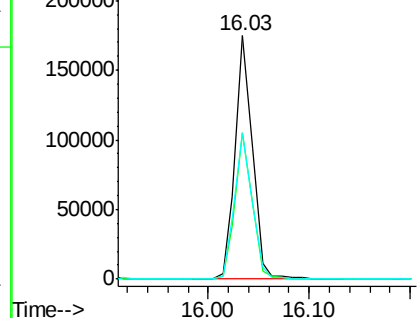
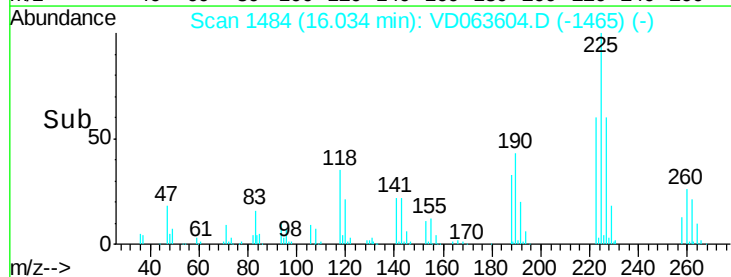


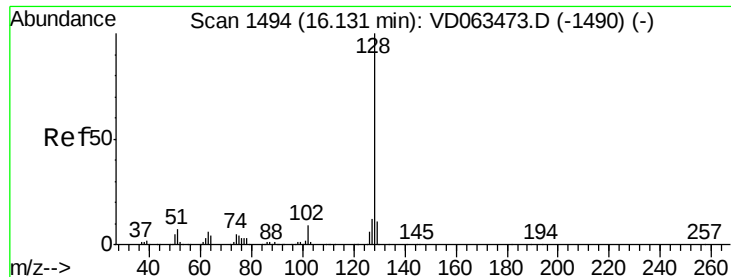
#94
 Hexachlorobutadiene
 Concen: 22.625 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.5
227	60.3	30.7	92.1



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





#95

Naphthalene

Concen: 23.234 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

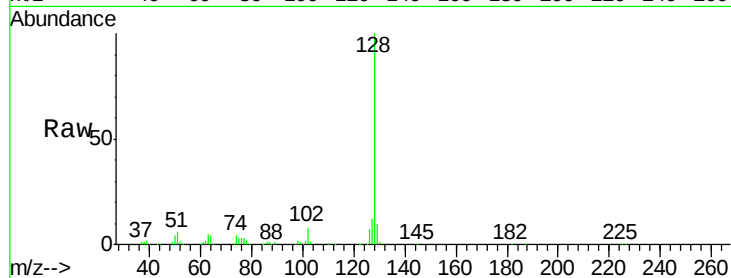
Tot Ion:128 Resp: 423849

Ion Ratio Lower Upper

128 100

127 12.2 9.4 14.0

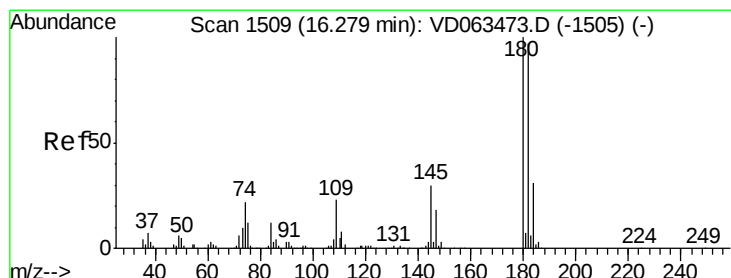
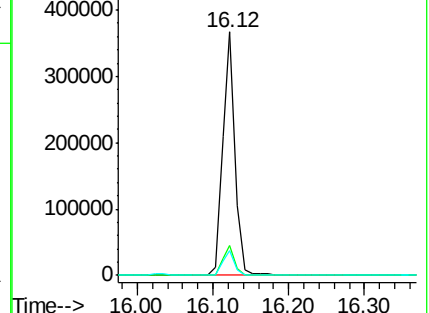
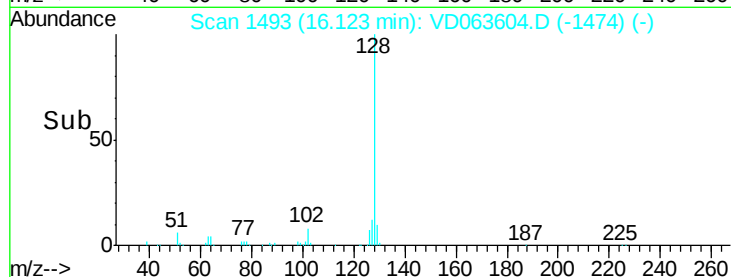
129 10.0 8.5 12.7



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: 22.080 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063604.D

Acq: 15 Aug 2019 14:39

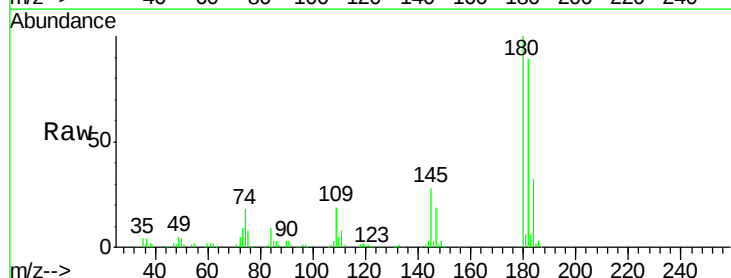
Tgt Ion:180 Resp: 214670

Ion Ratio Lower Upper

180 100

182 89.0 48.4 145.2

145 28.3 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

