

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 :

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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 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)
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

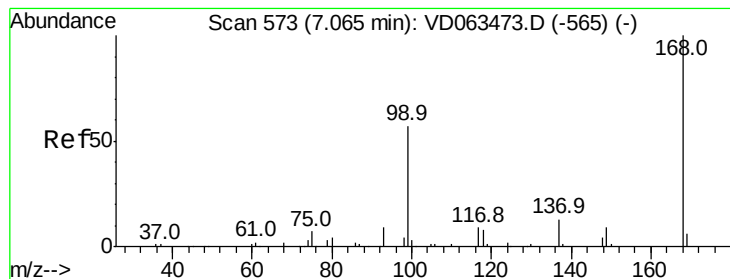
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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



#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

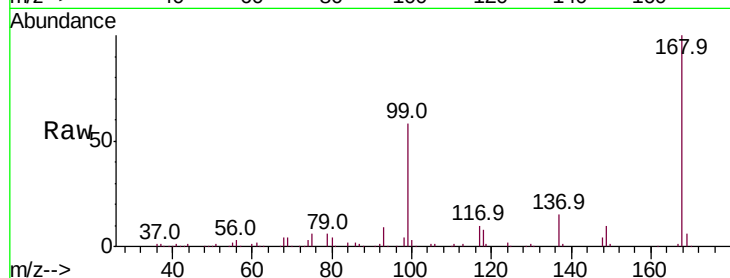
ClientSampleId :

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

7.04

400000

300000

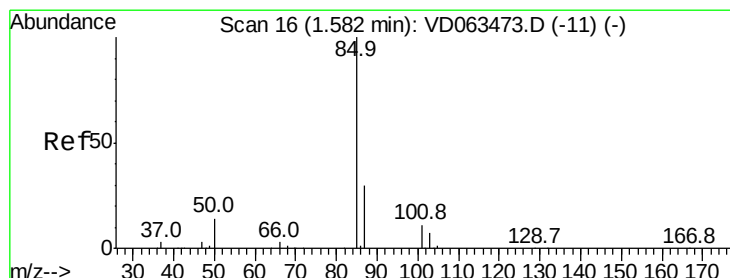
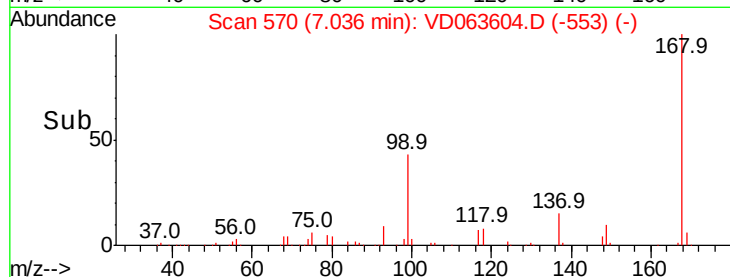
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.870 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063604.D

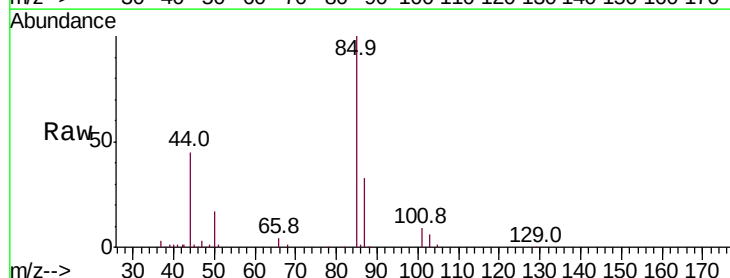
Acq: 15 Aug 2019 14:39

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

150000

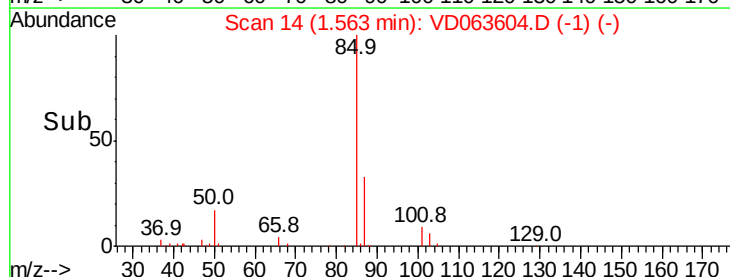
100000

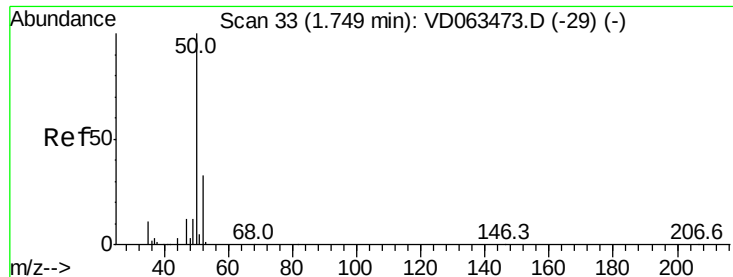
50000

0

1.50 1.60 1.70 1.80

Time-->





#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

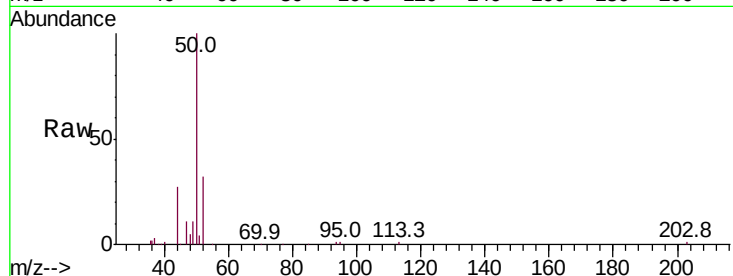
ClientSampleId :

Tot Ion: 50 Resp: 219221

Ion Ratio Lower Upper

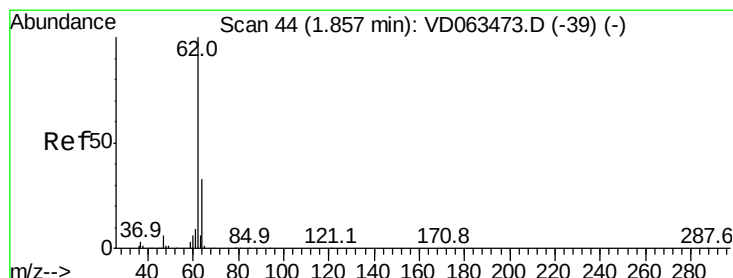
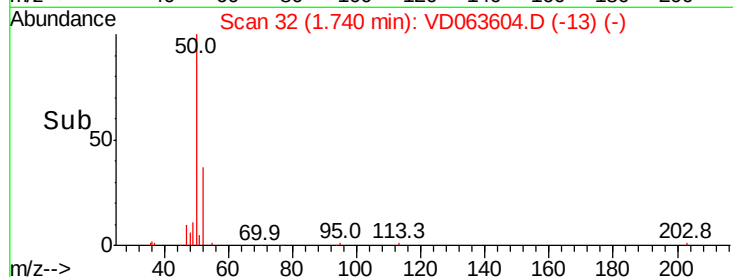
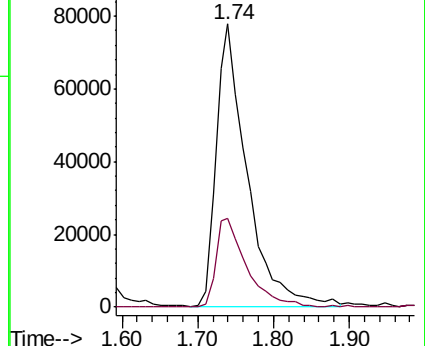
50 100

52 31.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.412 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063604.D

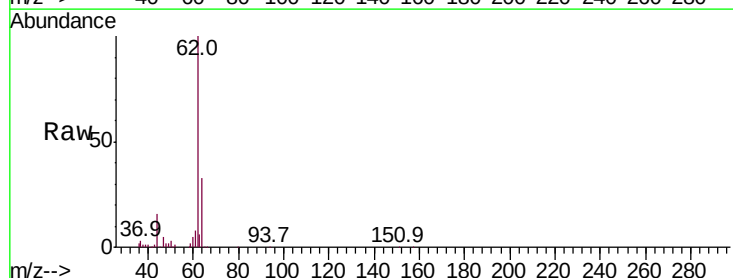
Acq: 15 Aug 2019 14:39

Tgt Ion: 62 Resp: 213218

Ion Ratio Lower Upper

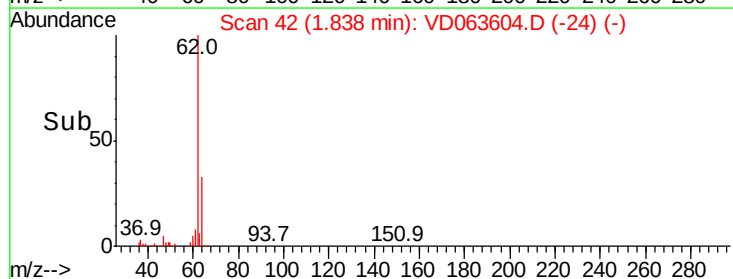
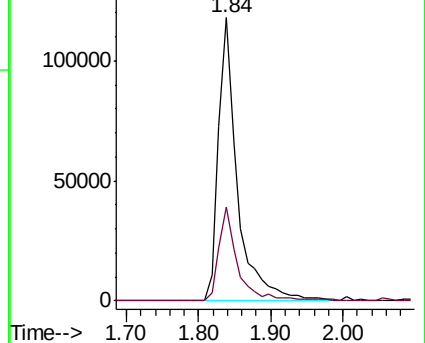
62 100

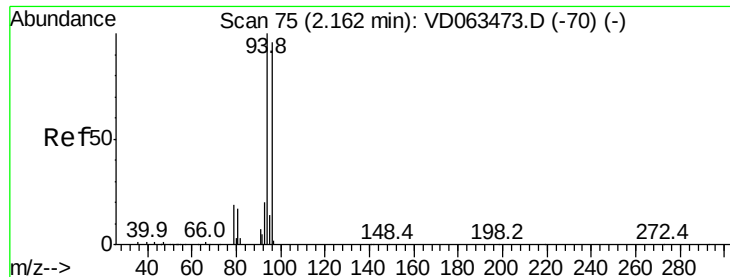
64 33.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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

Instrument :

MSVOA_D

ClientSampleId :

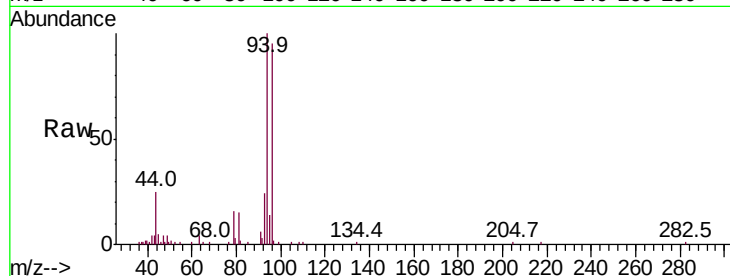
Tot Ion: 94 Resp: 91446

Ion Ratio Lower Upper

94 100

96 95.2 76.5 114.7

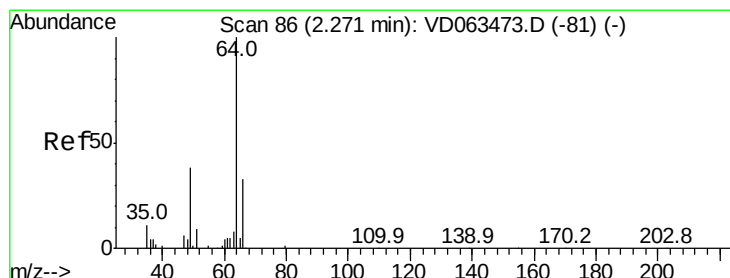
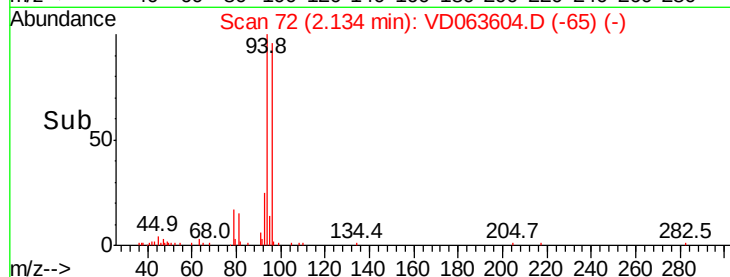
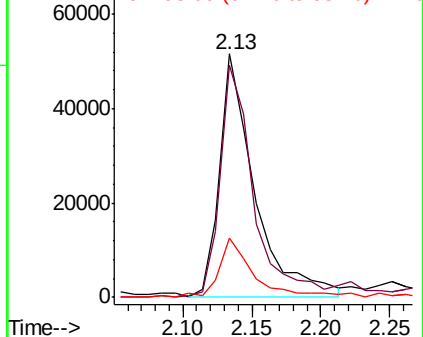
93 24.3 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.472 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063604.D

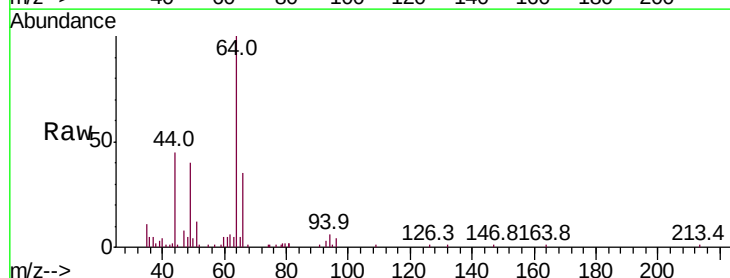
Acq: 15 Aug 2019 14:39

Tgt Ion: 64 Resp: 102571

Ion Ratio Lower Upper

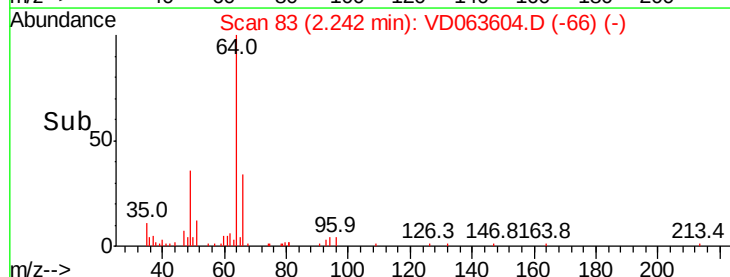
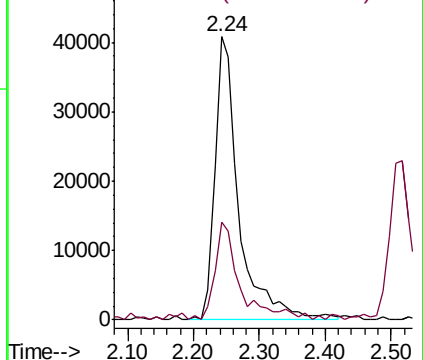
64 100

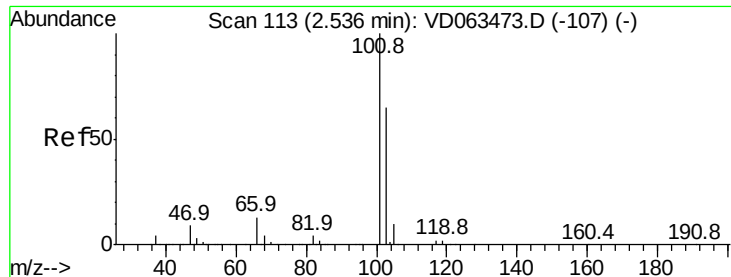
66 34.8 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



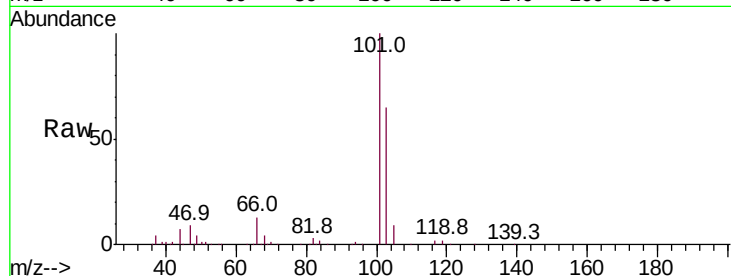


#7

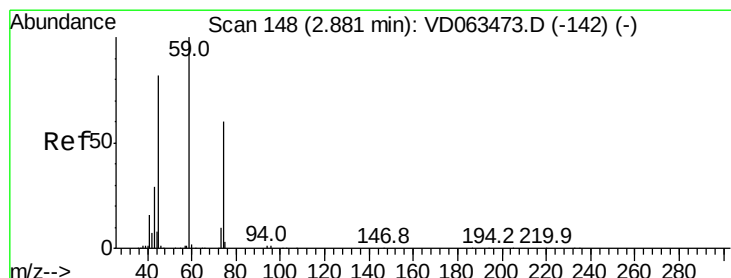
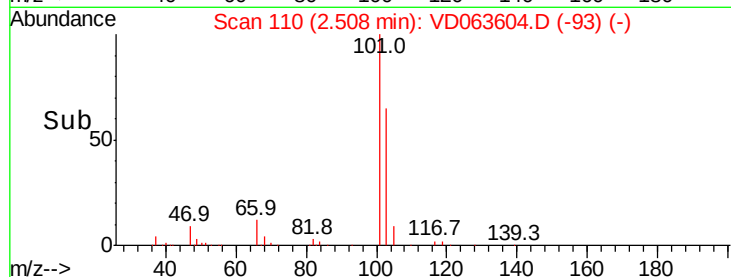
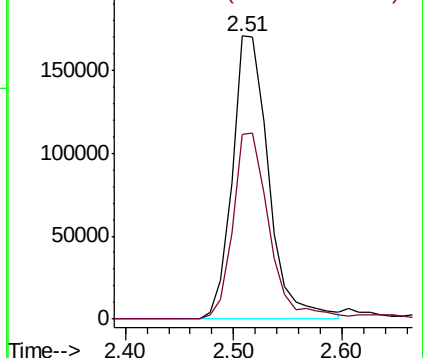
Trichlorofluoromethane
 Concen: 19.448 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

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



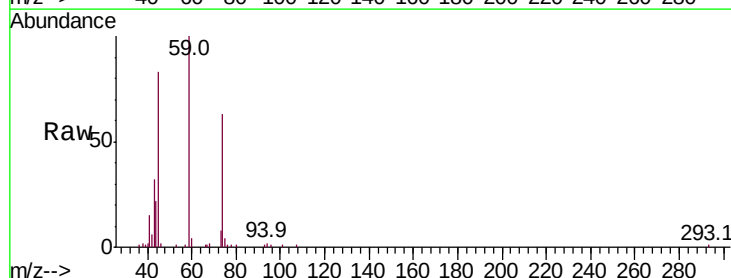
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



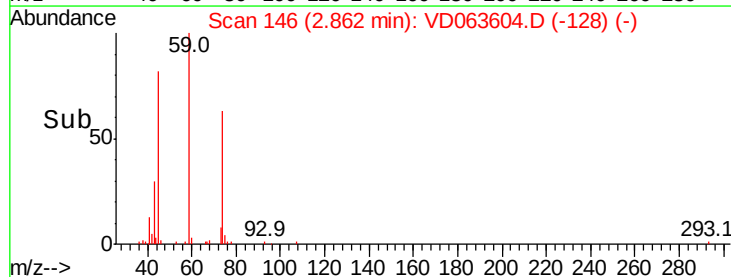
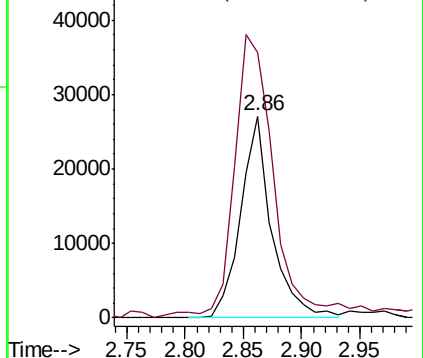
#8

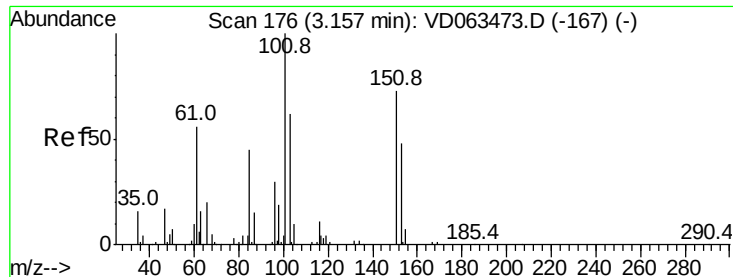
Diethyl Ether
 Concen: 17.241 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.590 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 :

MSVOA_D

ClientSampleId :

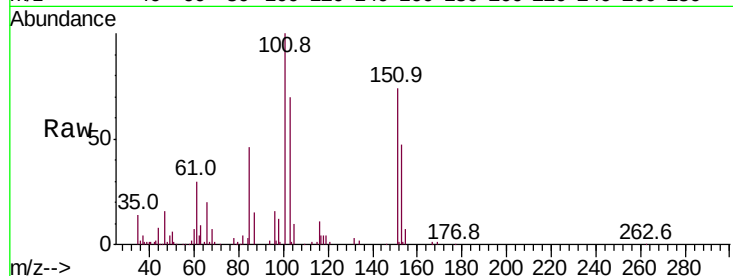
Tot Ion:101 Resp: 249108

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.6

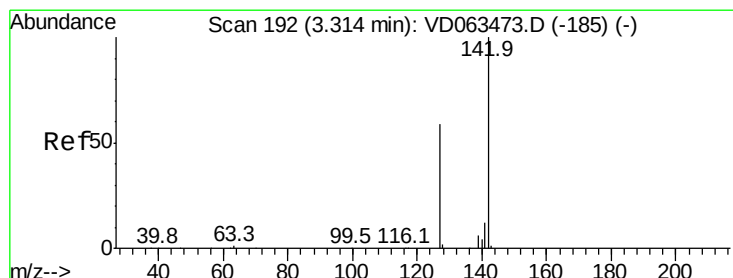
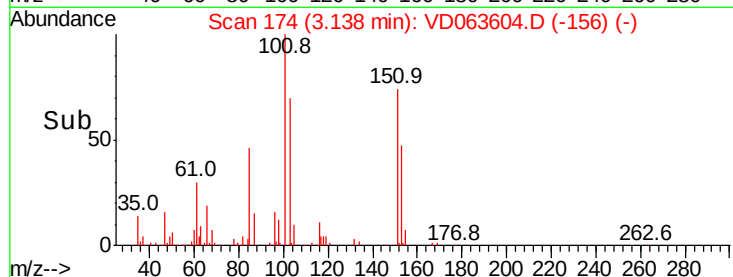
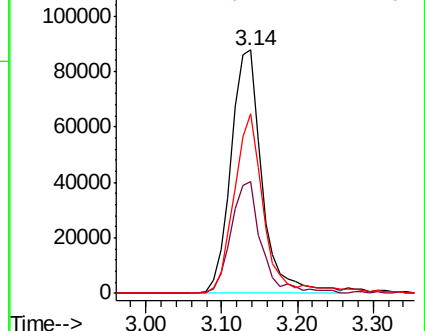
151 73.8 58.6 88.0



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

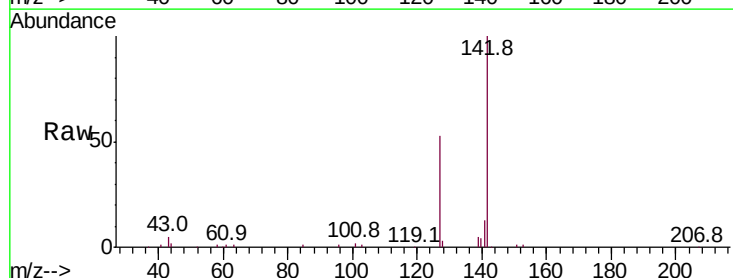
Tgt Ion:142 Resp: 285360

Ion Ratio Lower Upper

142 100

127 53.0 47.2 70.8

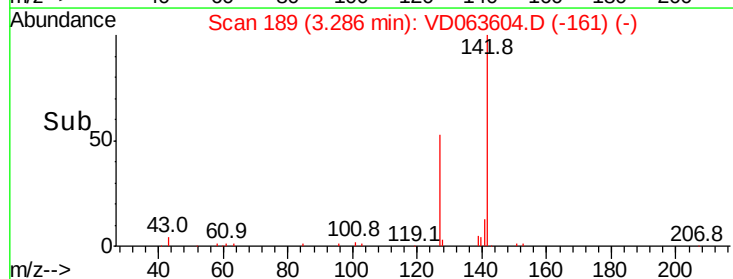
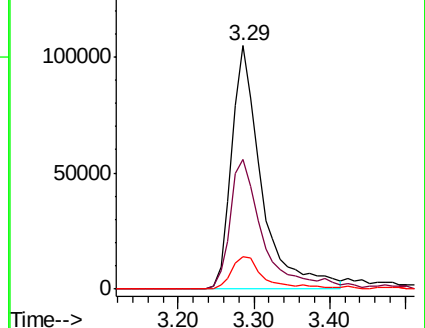
141 13.5 9.8 14.8

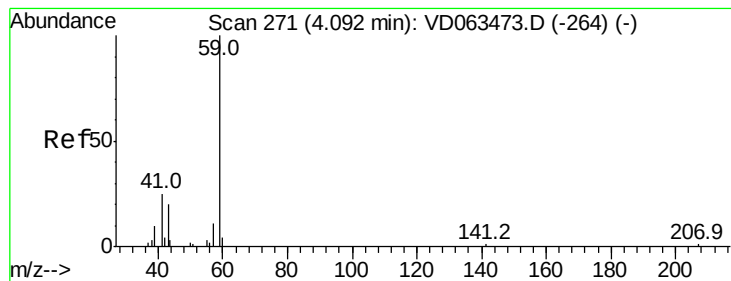


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



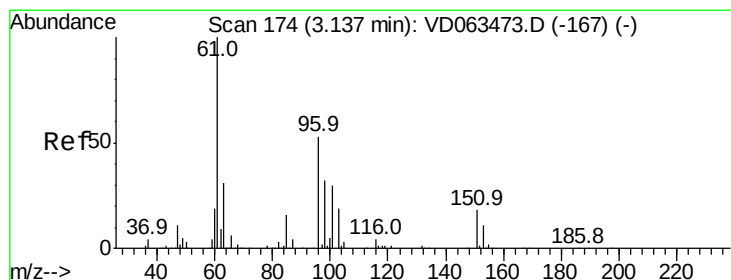
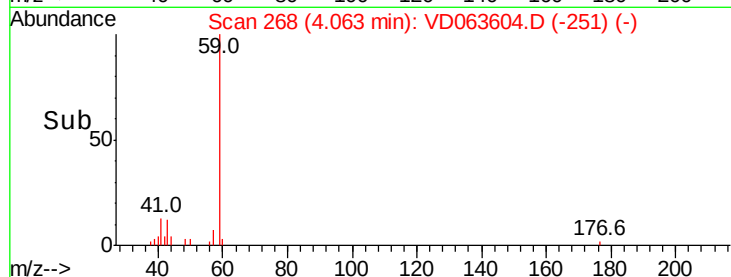
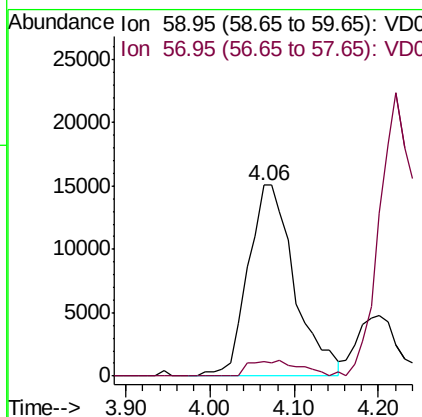
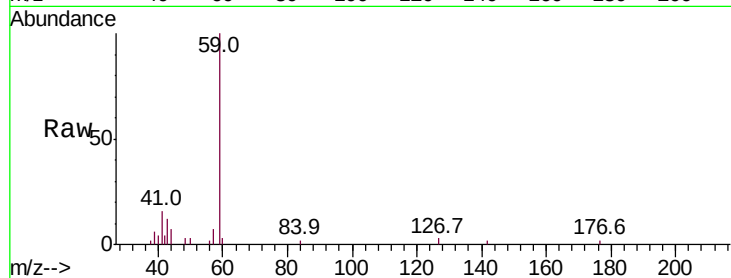


#11

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 :

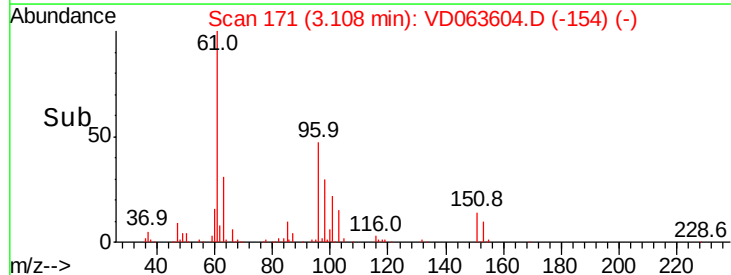
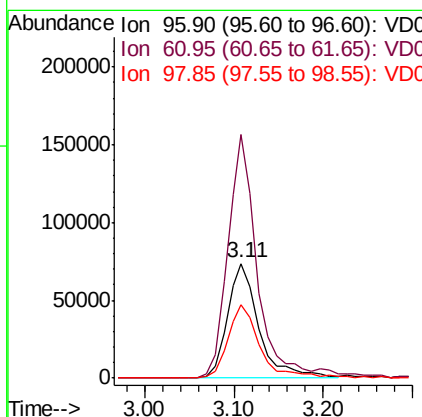
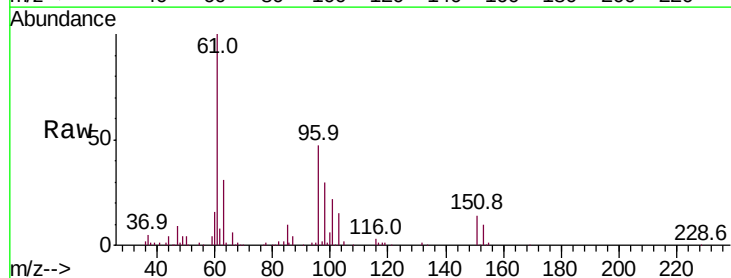
Tot Ion: 59 Resp: 58106
Ion Ratio Lower Upper
59 100
57 7.4 8.7 13.1#

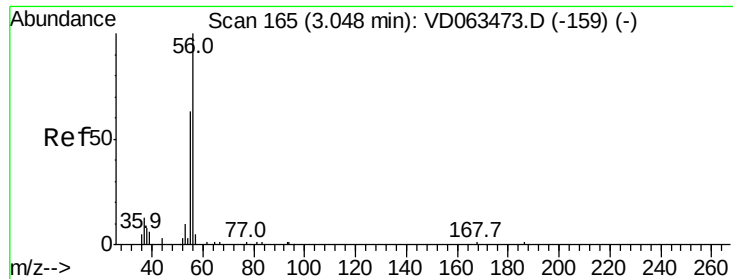


#12

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





#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

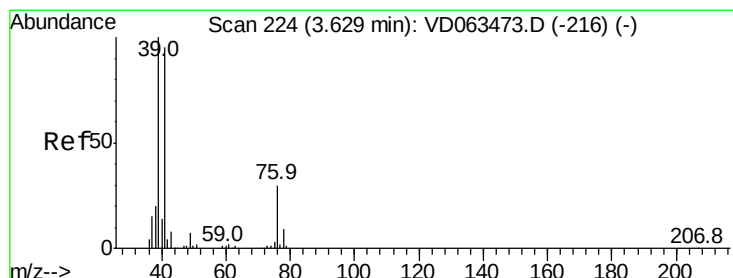
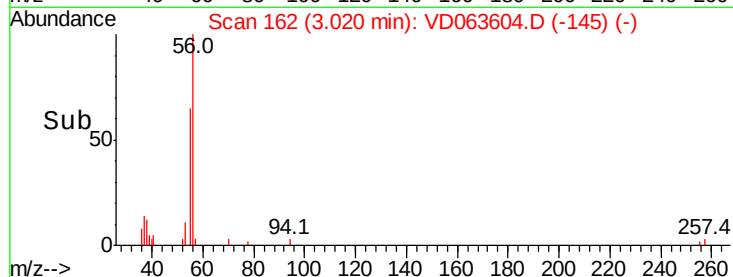
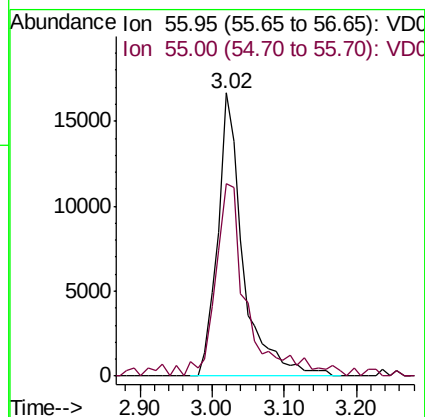
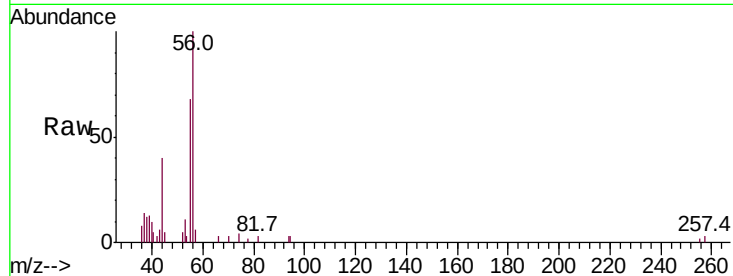
ClientSampleId :

Tot Ion: 56 Resp: 40421

Ion Ratio Lower Upper

56 100

55 68.2 51.3 76.9



#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

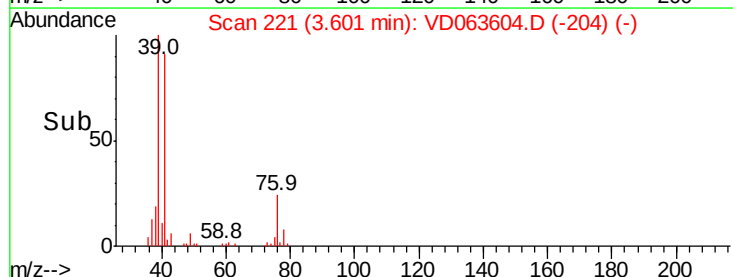
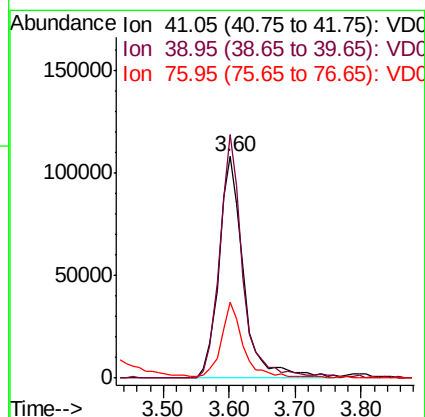
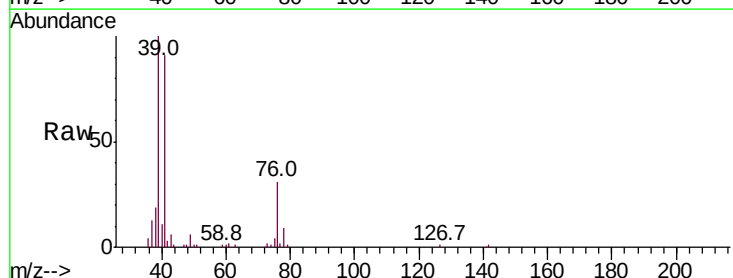
Tgt Ion: 41 Resp: 280356

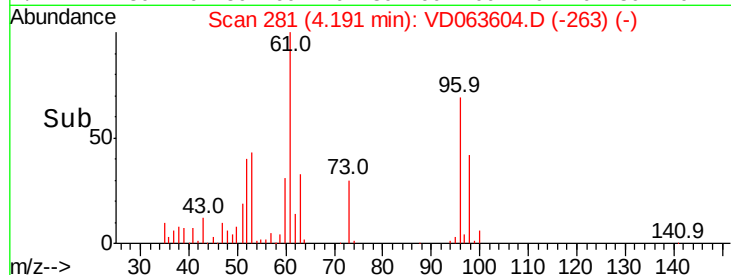
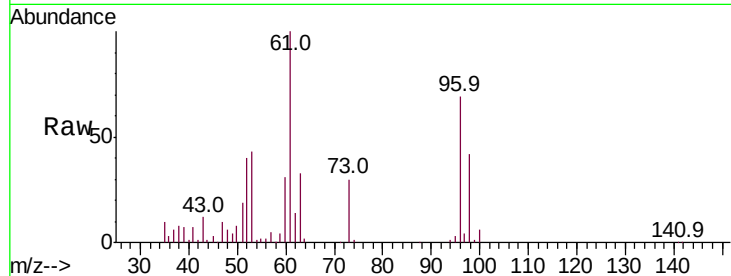
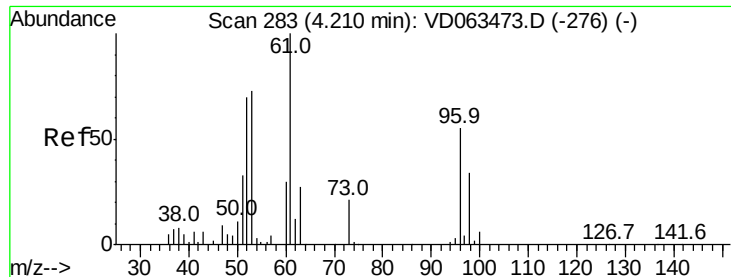
Ion Ratio Lower Upper

41 100

39 109.8 84.2 126.4

76 34.4 26.0 39.0

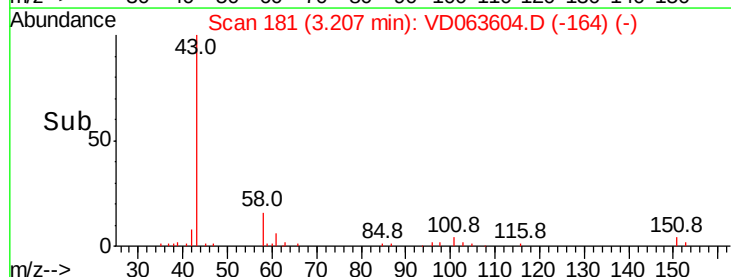
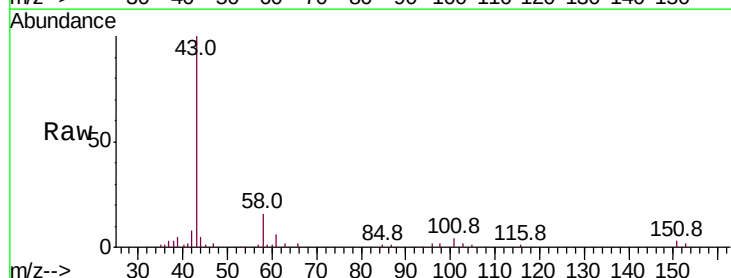
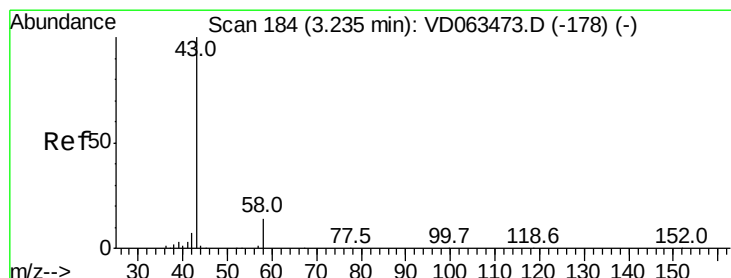
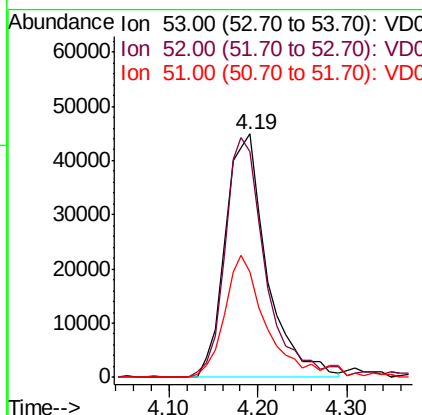




#15
 Acrylonitrile
 Concen: 106.464 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

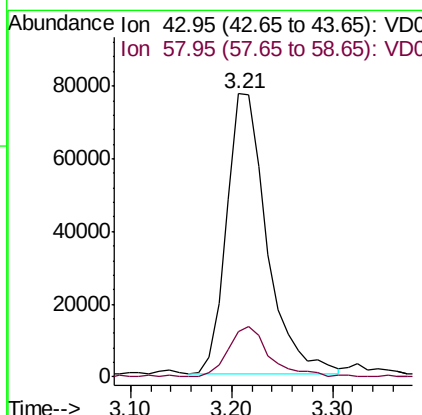
Instrument :
 MSVOA_D
 ClientSampleId :

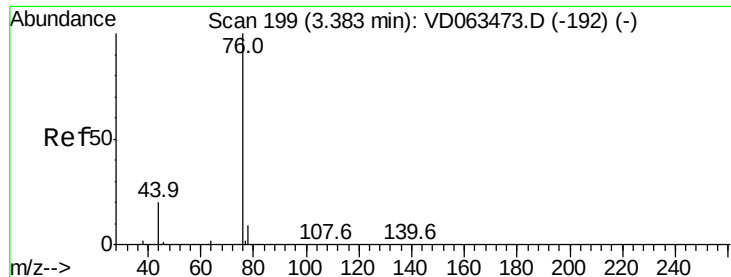
Tot Ion: 53 Resp: 146076
 Ion Ratio Lower Upper
 53 100
 52 92.6 77.4 116.0
 51 43.2 36.7 55.1



#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





#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

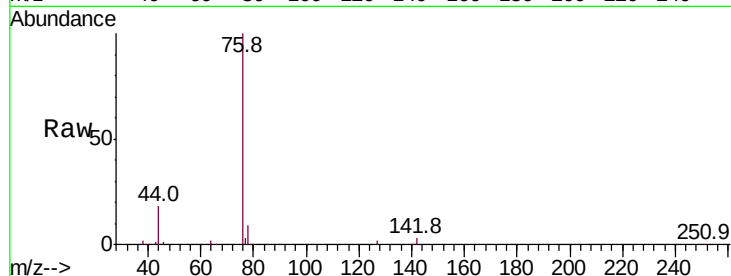
ClientSampled :

Tot Ion: 76 Resp: 572237

Ion Ratio Lower Upper

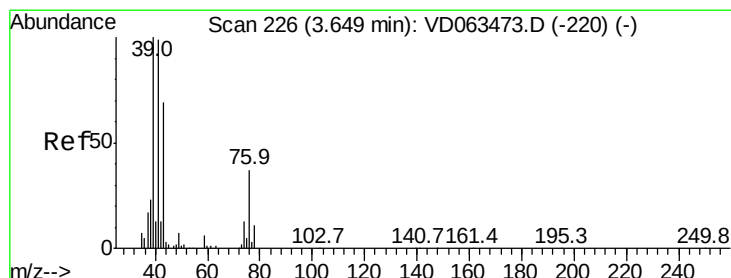
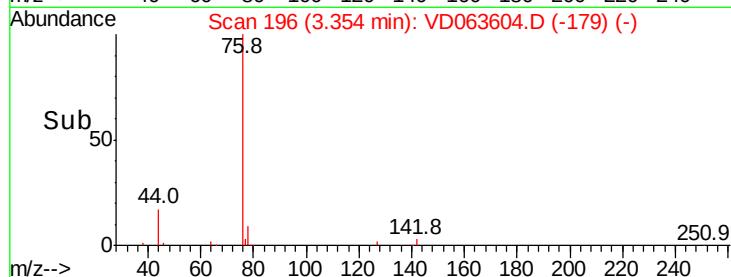
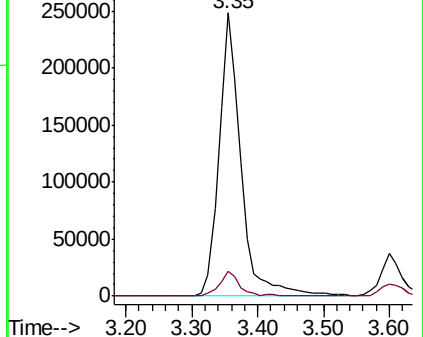
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.334 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063604.D

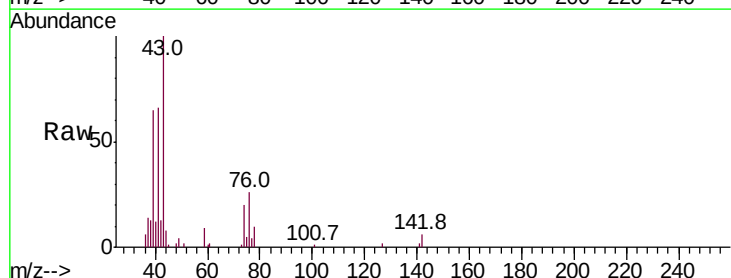
Acq: 15 Aug 2019 14:39

Tgt Ion: 43 Resp: 93166

Ion Ratio Lower Upper

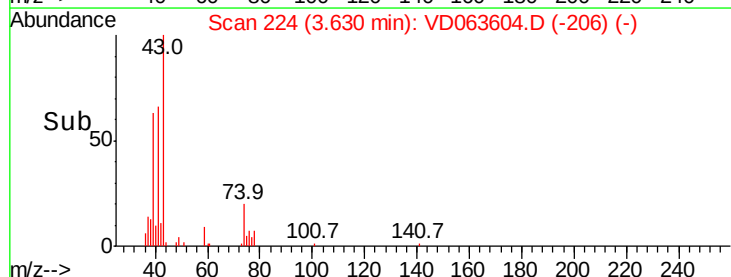
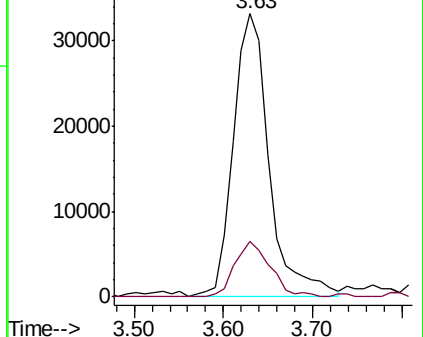
43 100

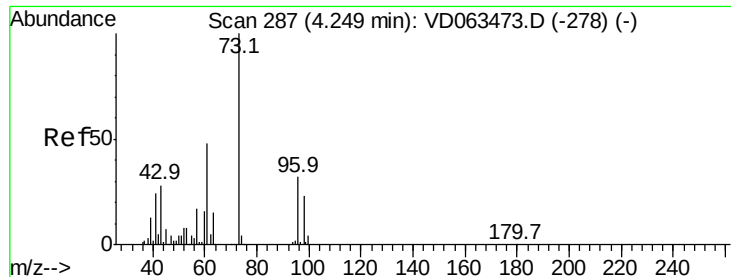
74 19.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

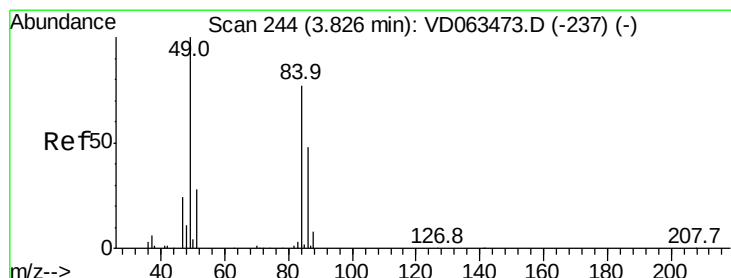
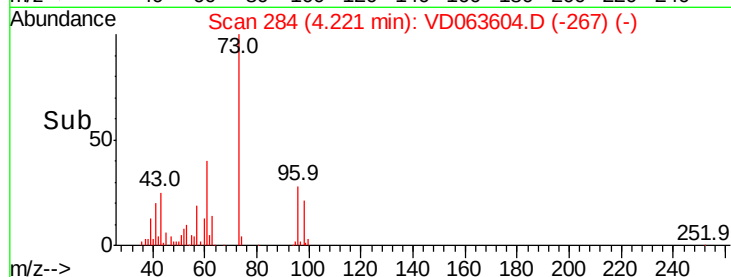
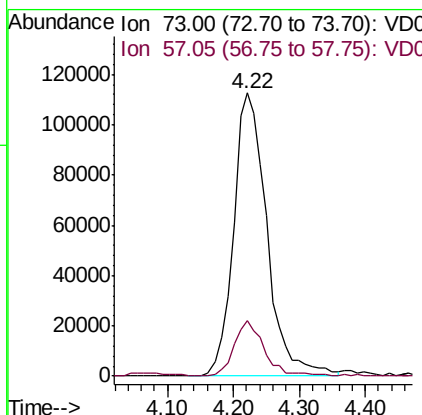
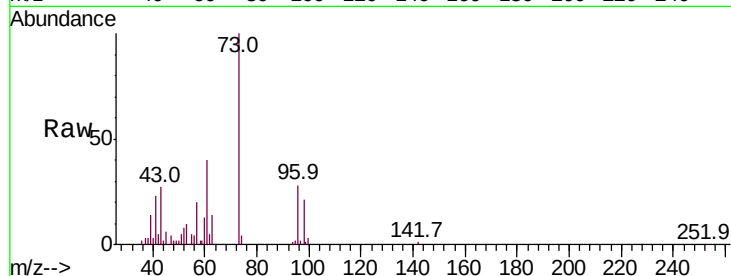




#19
Methyl tert-butyl Ether
Concen: 22.226 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

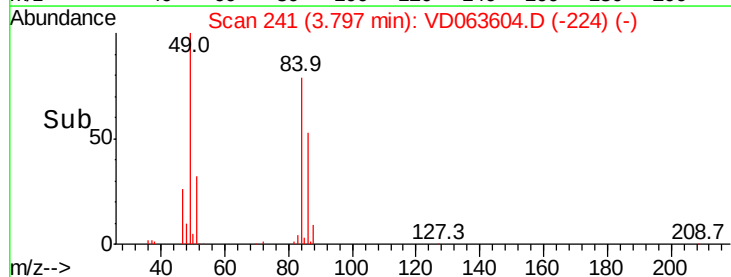
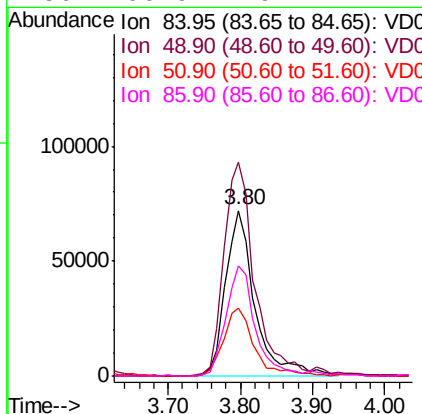
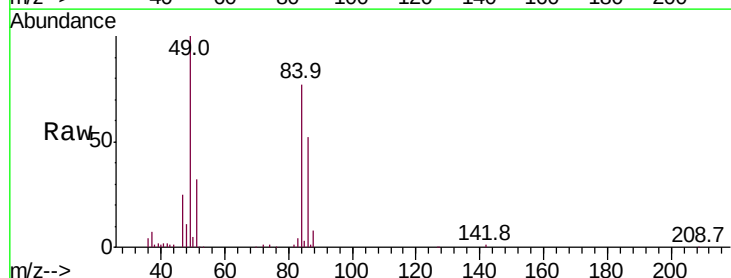
Instrument :
MSVOA_D
ClientSampleId :

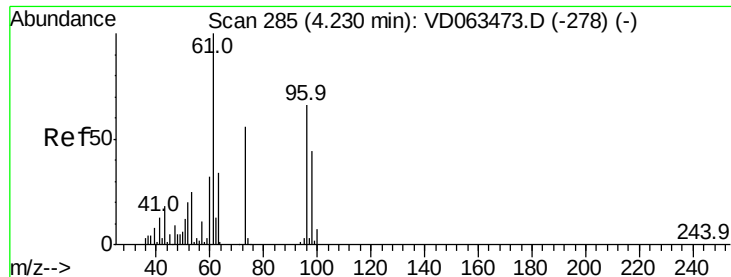
Tot Ion: 73 Resp: 399832
Ion Ratio Lower Upper
73 100
57 19.8 14.0 21.0



#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 :

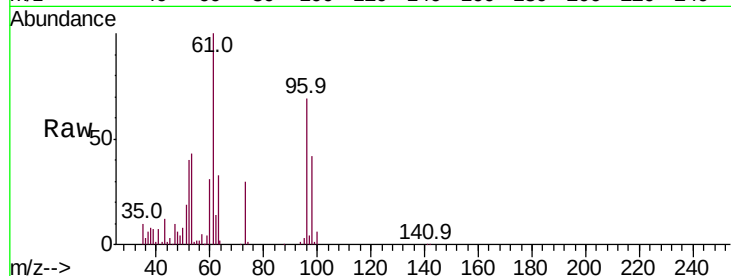
Tot Ion: 96 Resp: 207782

Ion Ratio Lower Upper

96 100

61 144.0 121.7 182.5

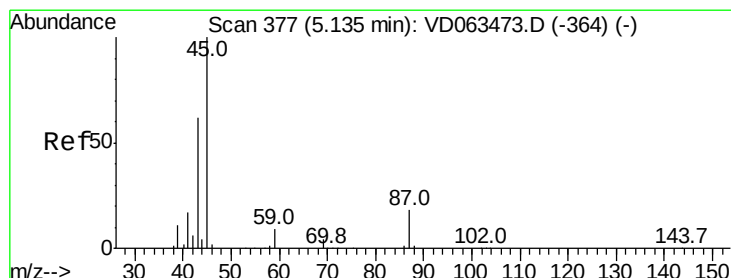
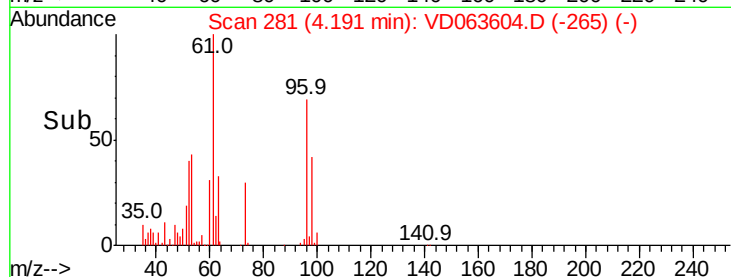
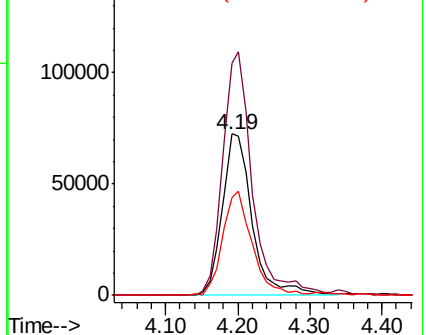
98 60.6 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 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

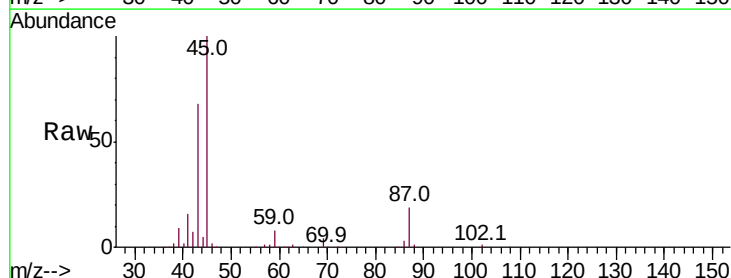
Ion Ratio Lower Upper

45 100

43 68.0 50.3 75.5

87 18.8 14.3 21.5

59 8.3 7.7 11.5

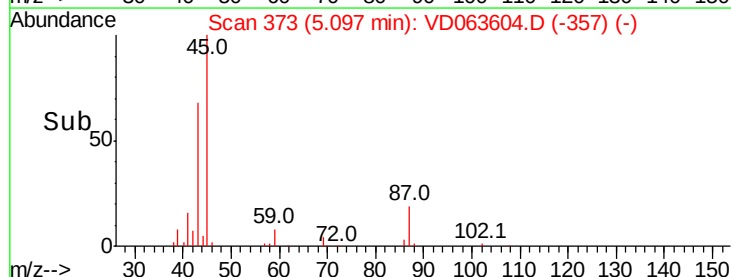
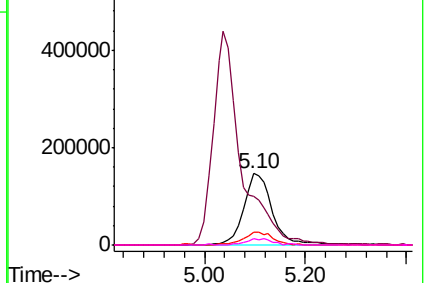


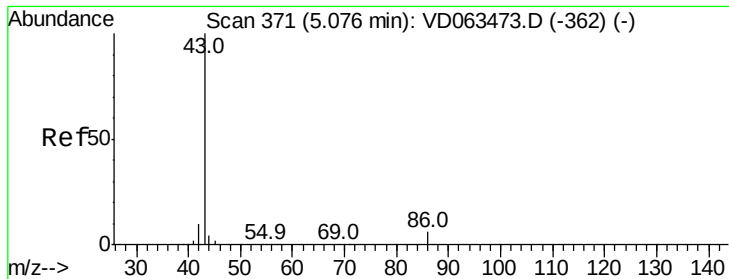
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 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

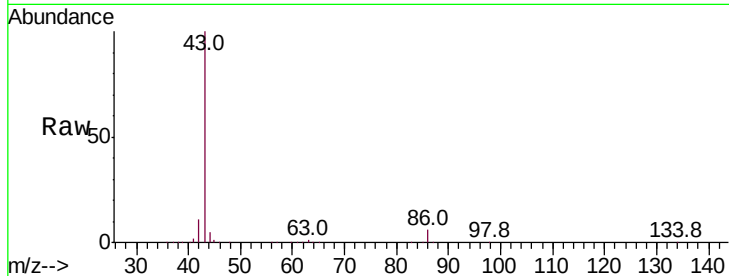
ClientSampleId :

Tot Ion: 43 Resp: 1697415

Ion Ratio Lower Upper

43 100

86 6.0 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

400000

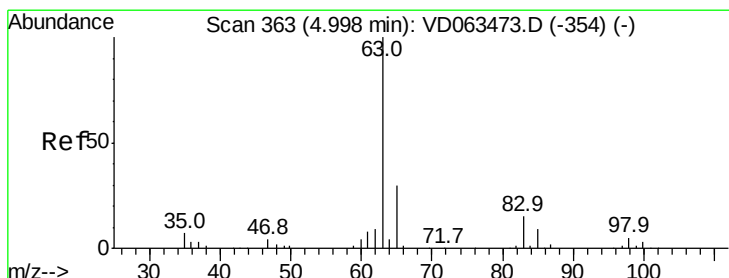
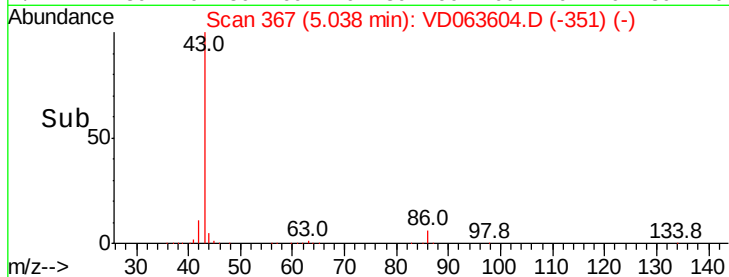
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 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

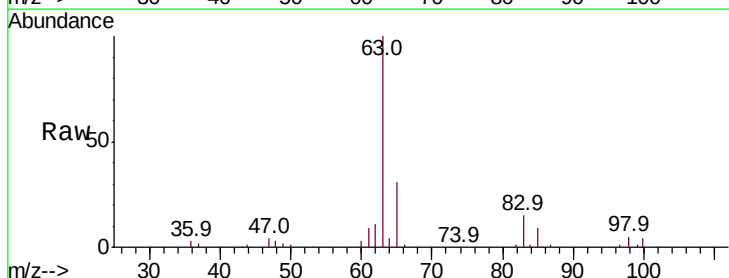
Tgt Ion: 63 Resp: 358939

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.2

100 3.6 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

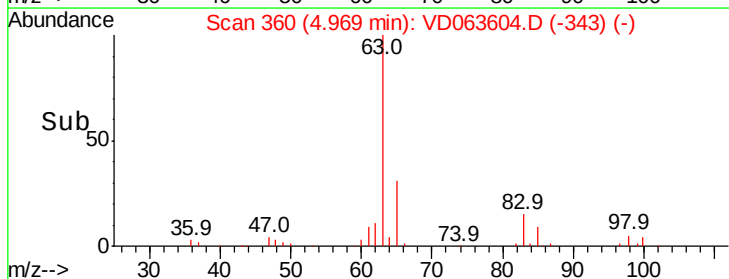
150000

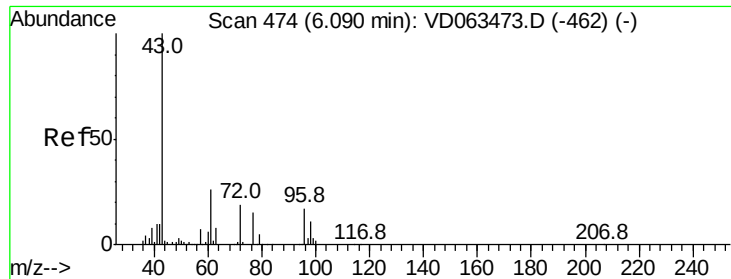
100000

50000

0

Time-->





#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

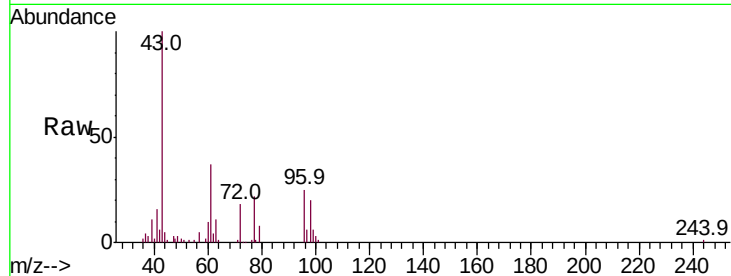
ClientSampled :

Tot Ion: 43 Resp: 243329

Ion Ratio Lower Upper

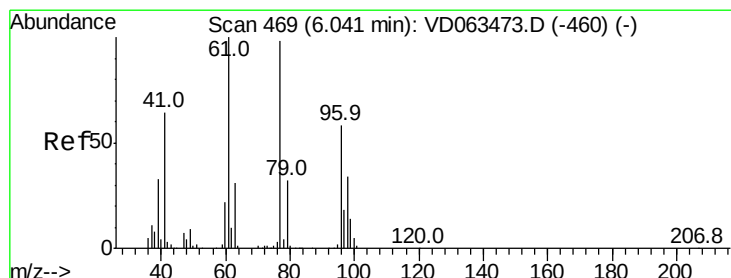
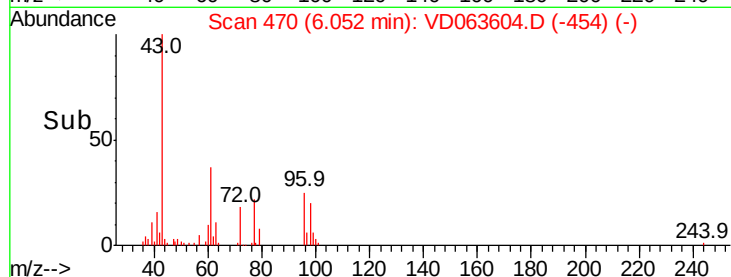
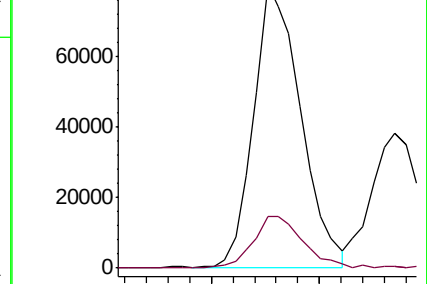
43 100

72 18.1 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.322 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063604.D

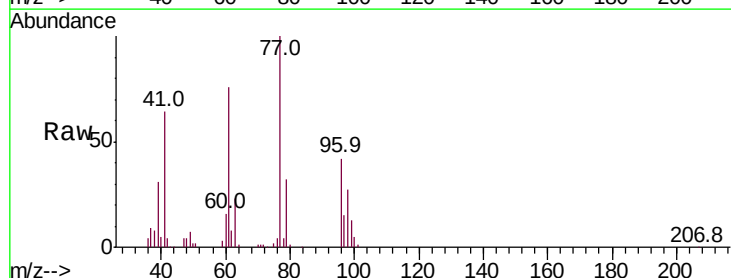
Acq: 15 Aug 2019 14:39

Tgt Ion: 77 Resp: 350310

Ion Ratio Lower Upper

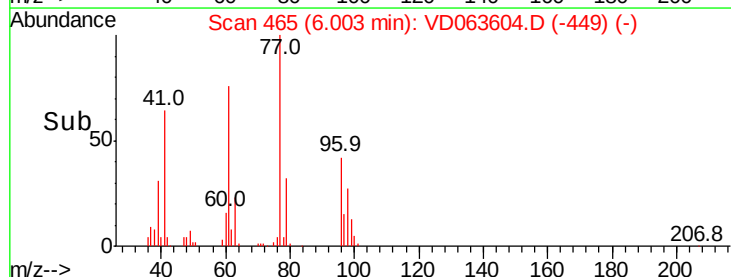
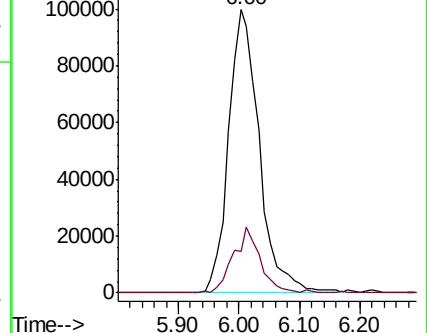
77 100

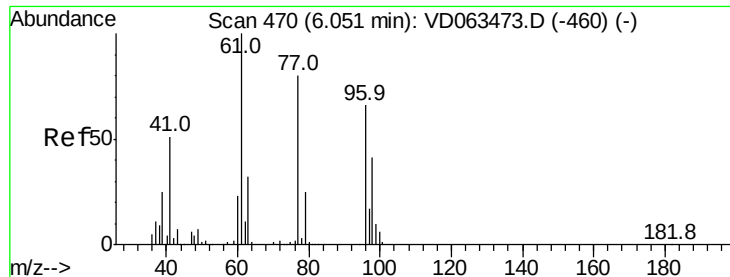
97 14.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



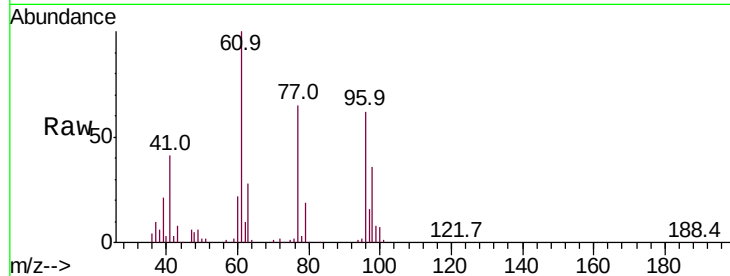


#27

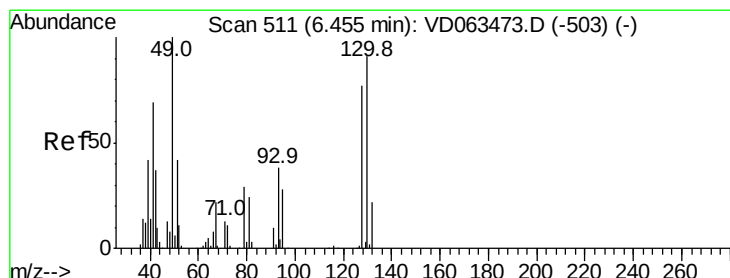
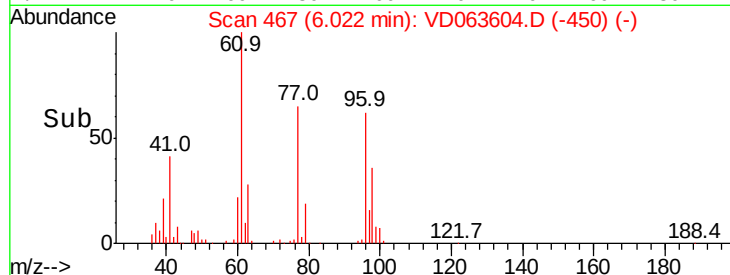
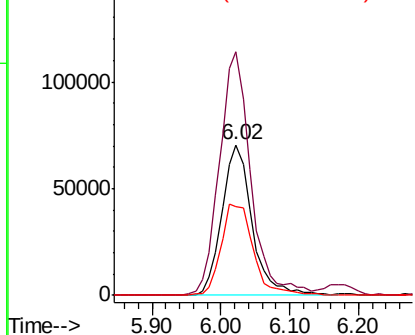
cis-1,2-Dichloroethene
Concen: 20.694 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	304.0
98	58.7	0.0	124.8



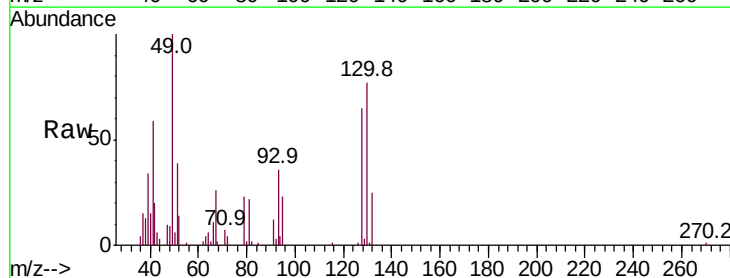
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



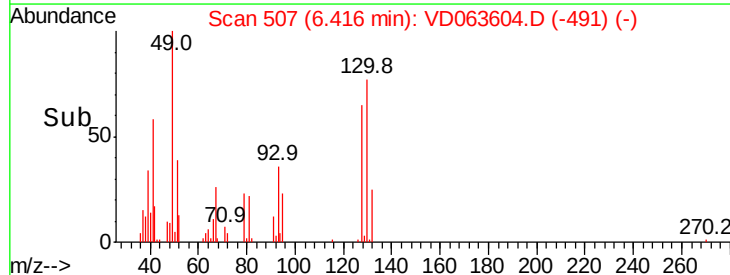
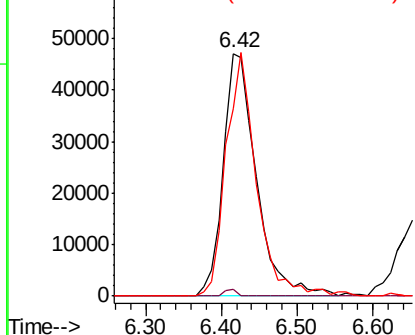
#28

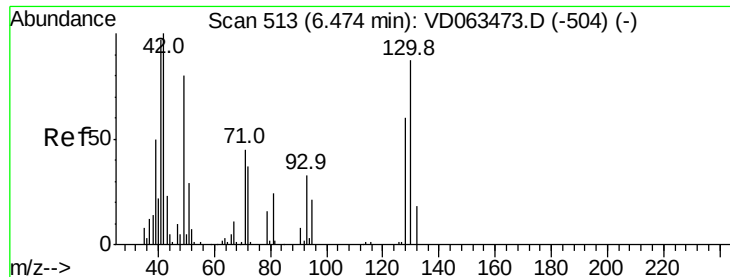
Bromochloromethane
Concen: 20.271 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion	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): V
Ion 129.80 (129.50 to 130.50): V

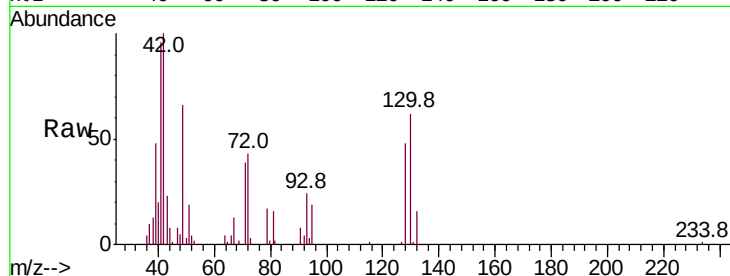




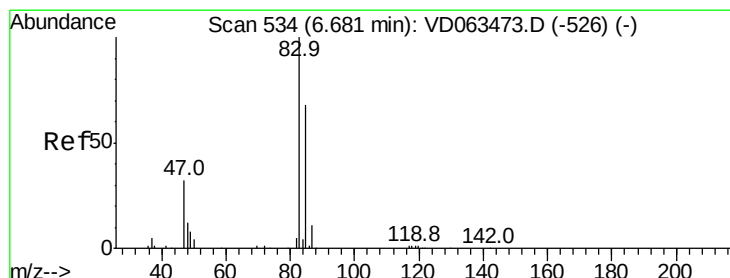
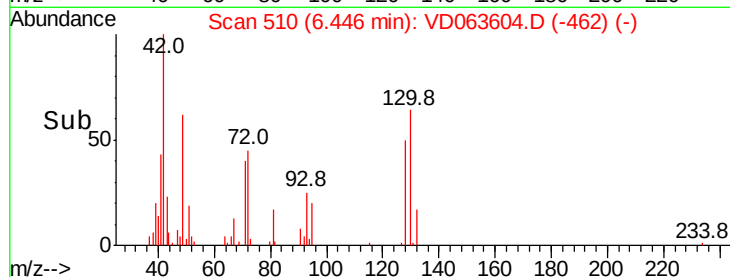
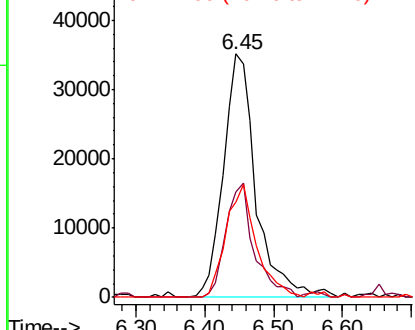
#29
Tetrahydrofuran
Concen: 103.623 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

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

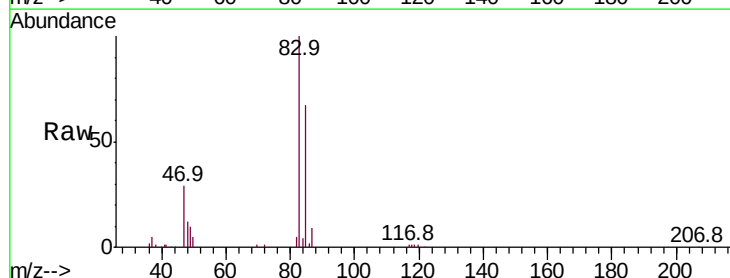


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

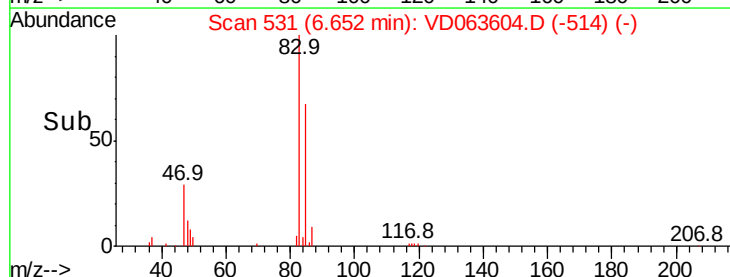
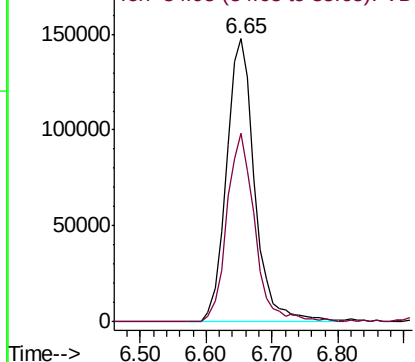


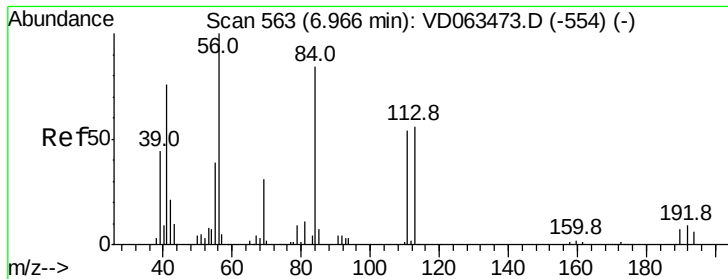
#30
Chloroform
Concen: 20.521 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	54.8	82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

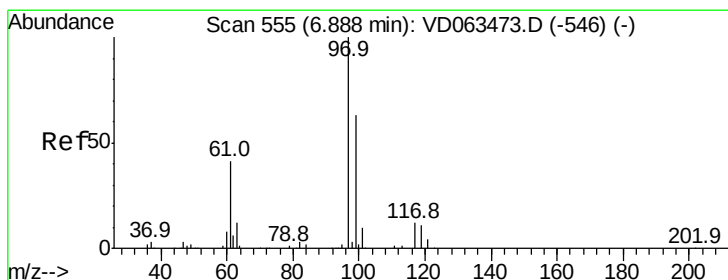
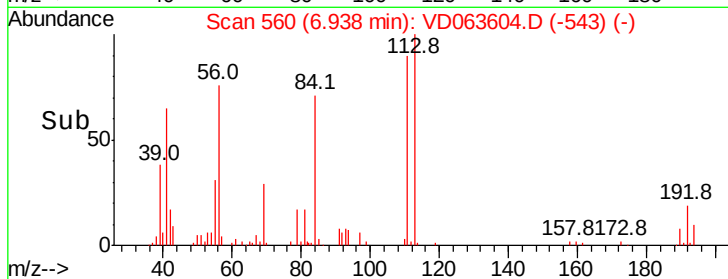
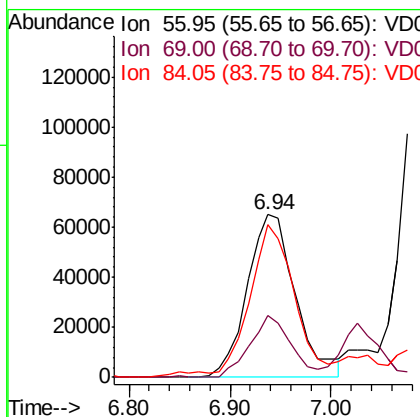
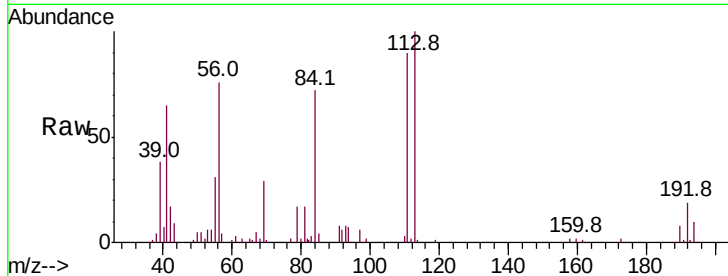




#31
Cyclohexane
Concen: 20.098 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

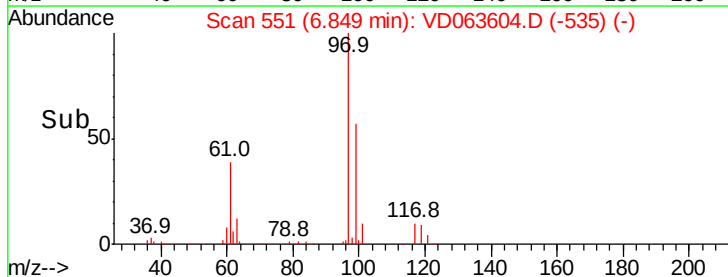
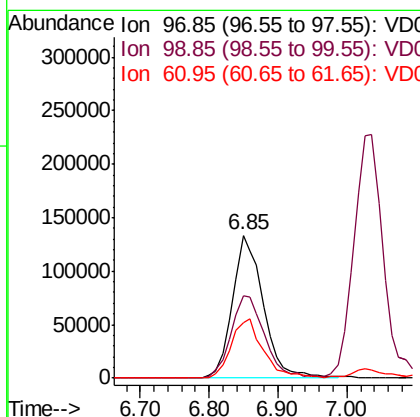
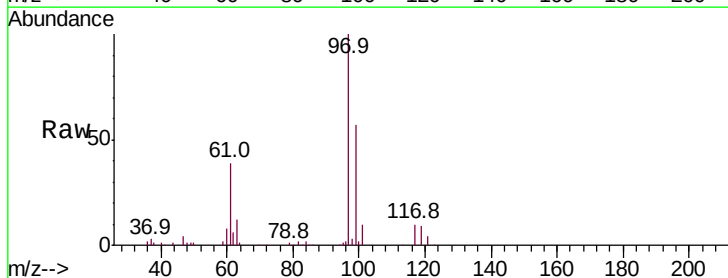
Instrument :
MSVOA_D
ClientSampled :

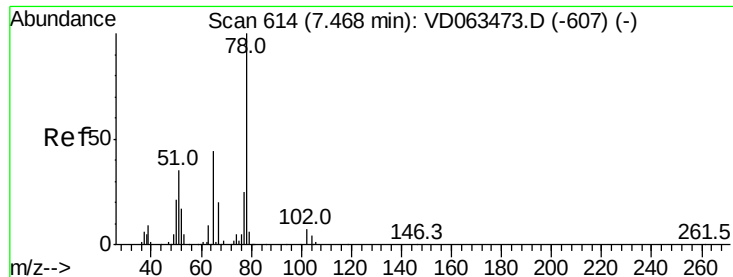
Tot Ion: 56 Resp: 215934
Ion Ratio Lower Upper
56 100
69 38.3 25.0 37.6#
84 94.1 69.7 104.5



#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

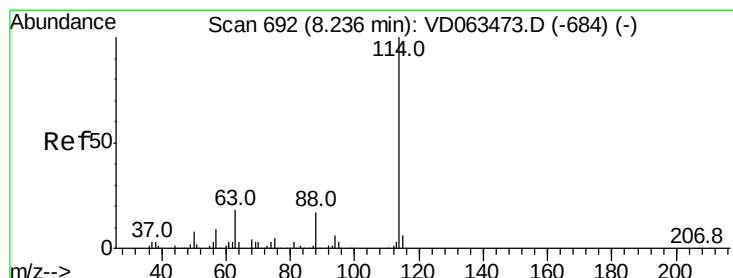
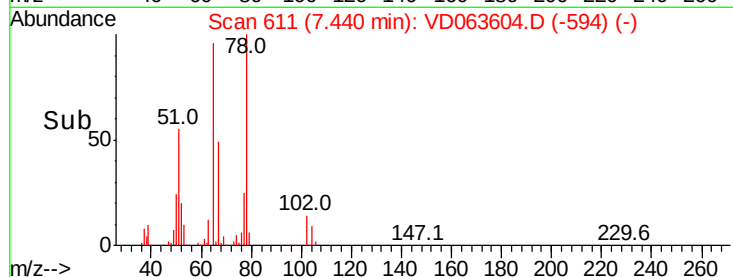
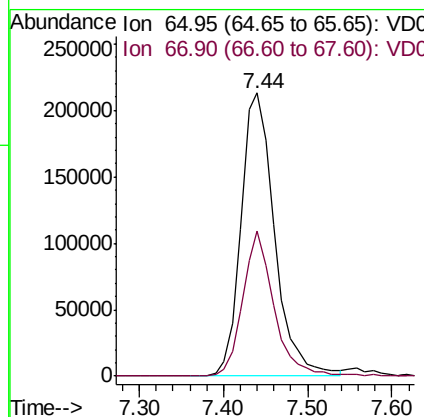
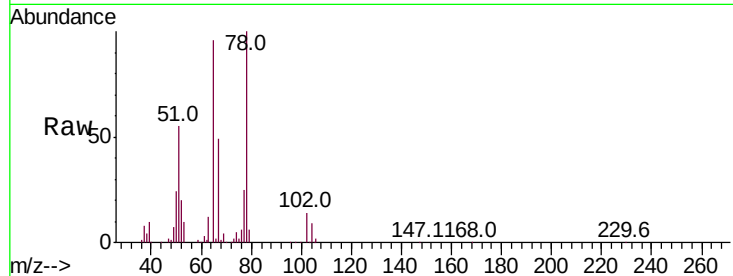




#33
 1,2-Dichloroethane-d4
 Concen: 49.811 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

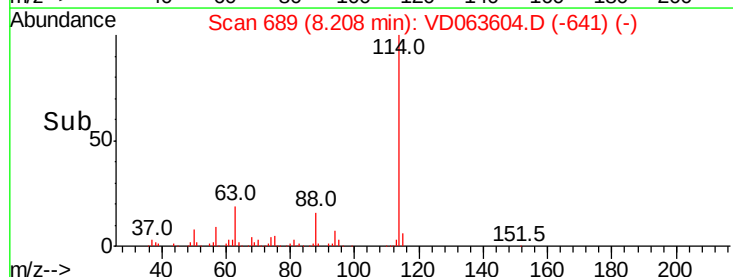
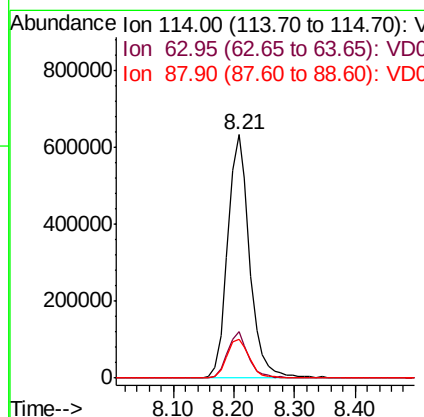
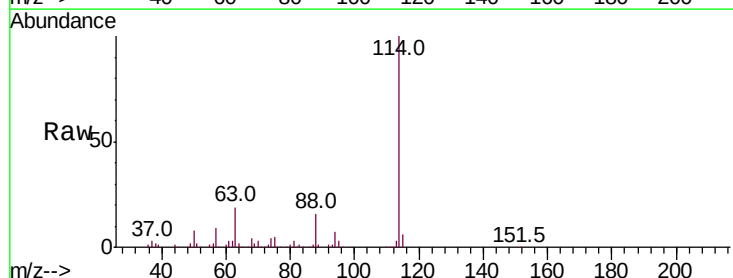
Instrument :
 MSVOA_D
 ClientSampleId :

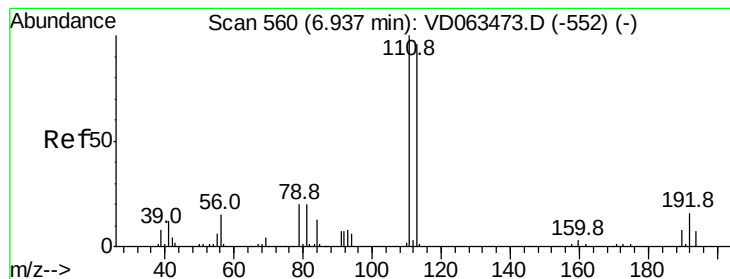
Tot Ion: 65 Resp: 592714
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 89.2



#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 :

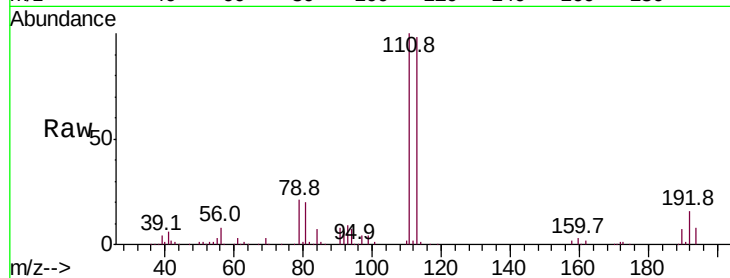
Tot Ion:113 Resp: 656907

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

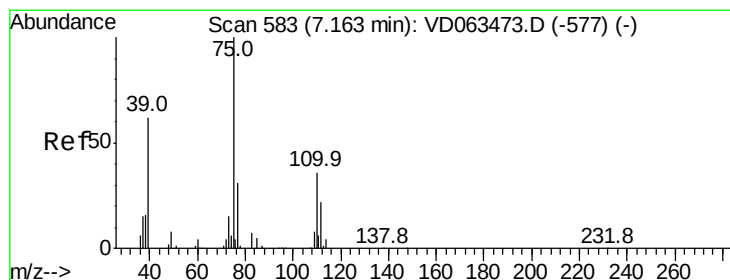
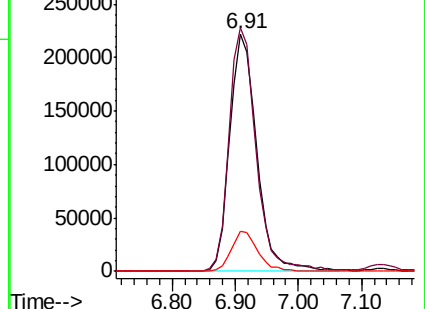
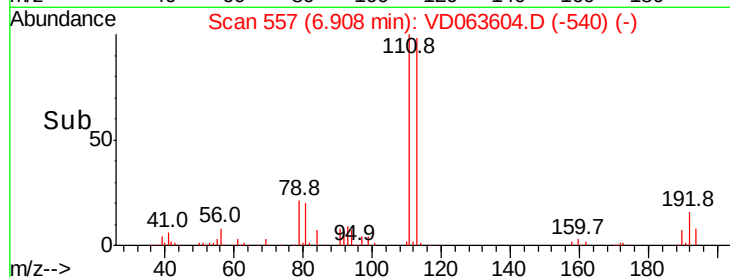
192 16.8 13.1 19.7



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

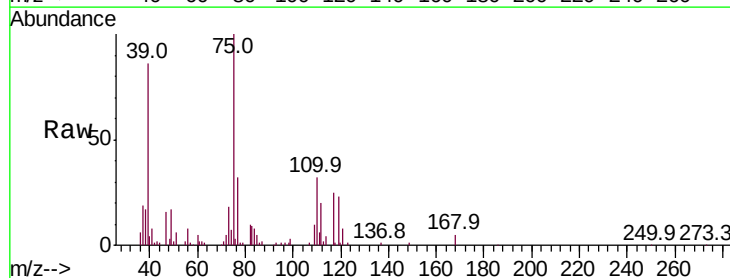
Tgt Ion: 75 Resp: 298917

Ion Ratio Lower Upper

75 100

110 32.1 17.6 52.8

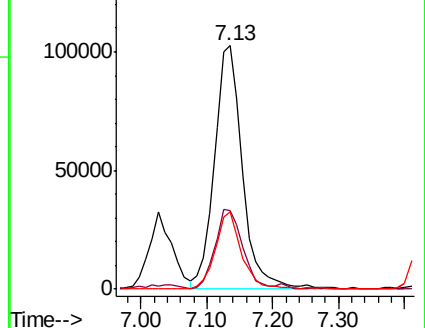
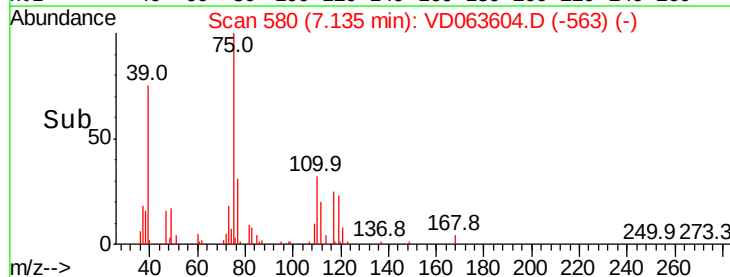
77 31.5 24.3 36.5

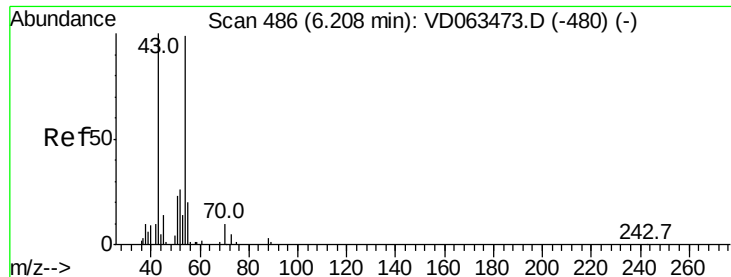


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

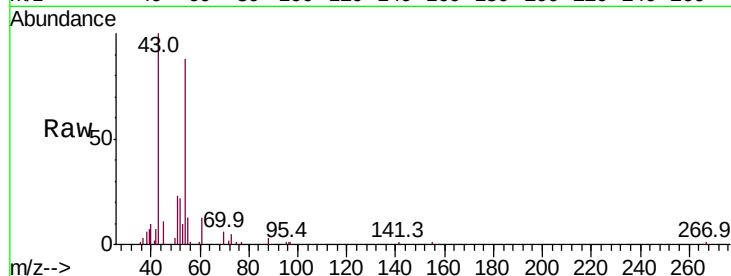




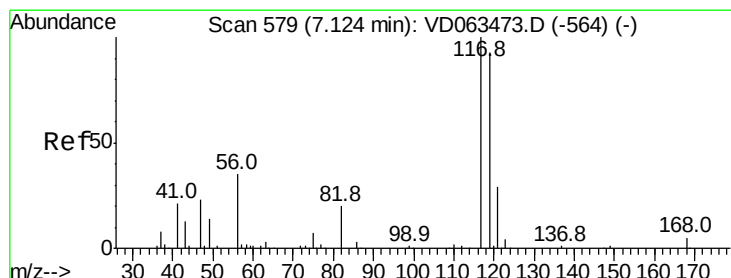
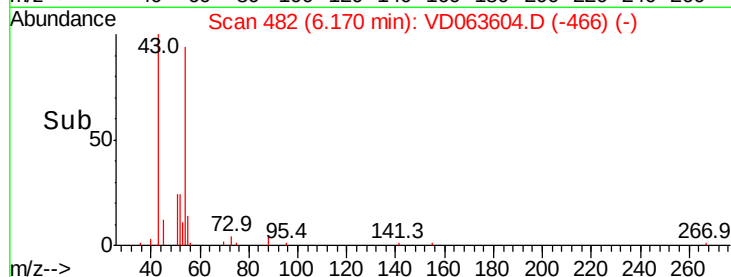
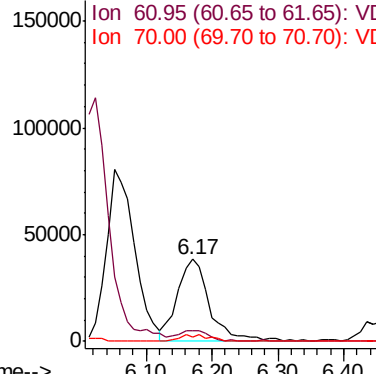
#37
Ethyl Acetate
Concen: 21.220 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampled :

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#

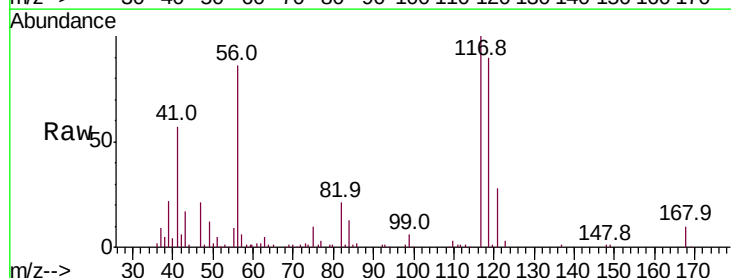


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

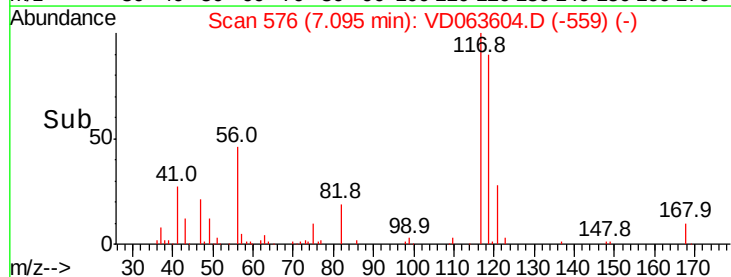
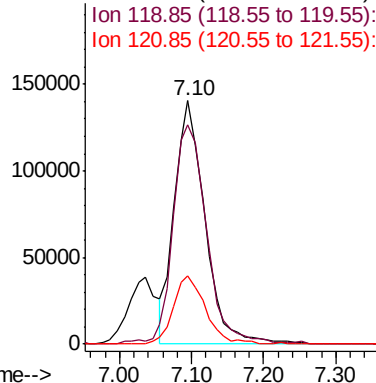


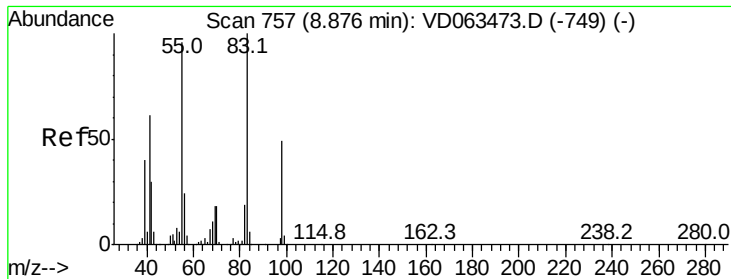
#38
Carbon Tetrachloride
Concen: 19.223 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

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

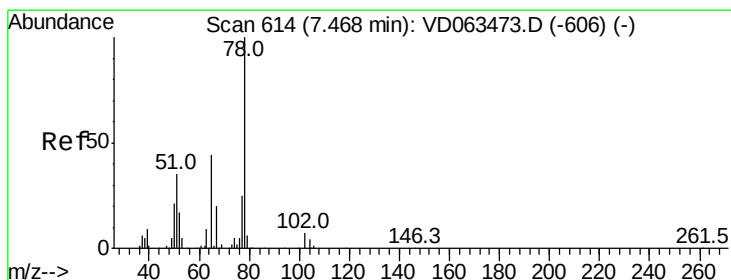
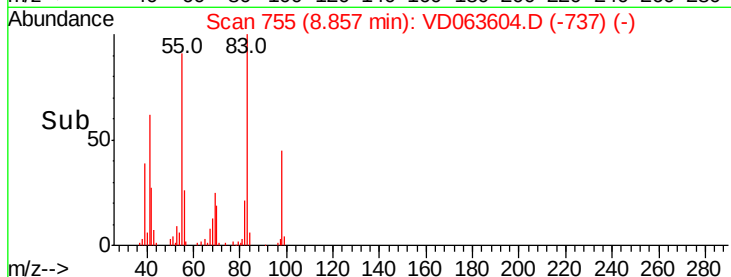
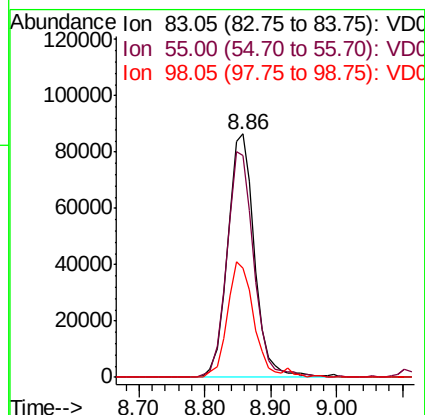
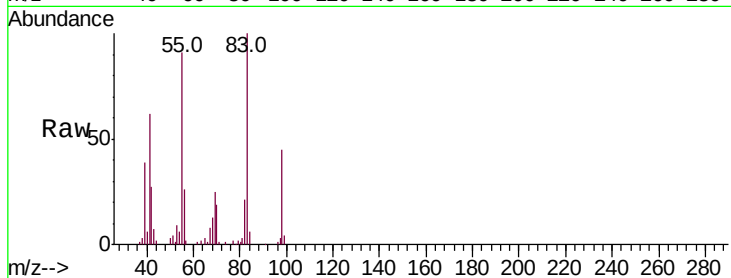




#39
Methylvlcyclohexane
Concen: 20.540 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

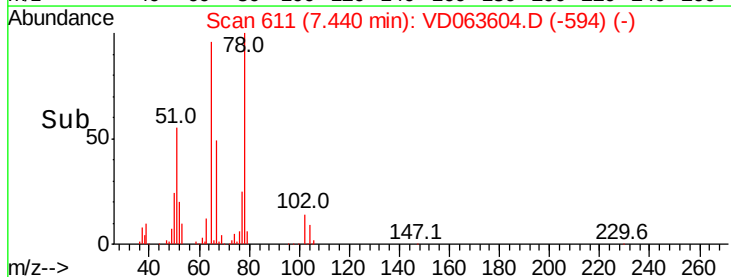
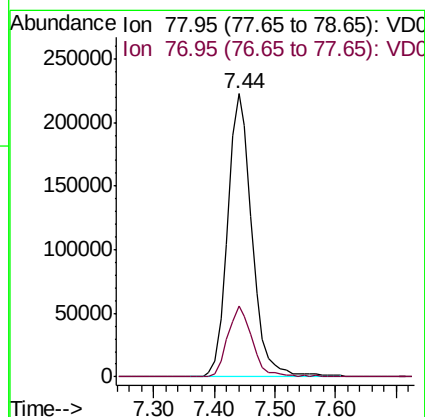
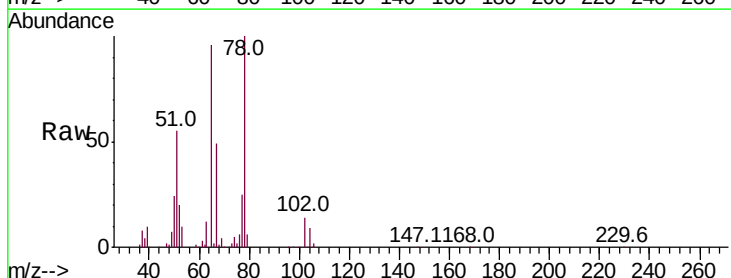
Instrument :
MSVOA_D
ClientSampleId :

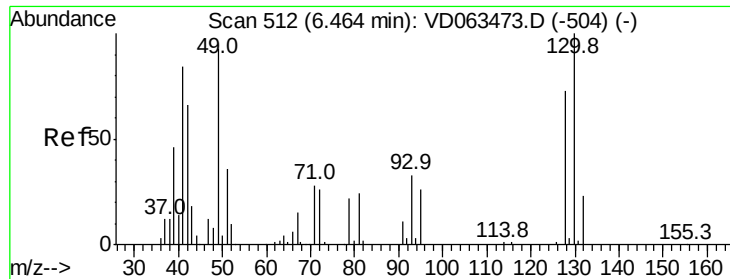
Tot Ion: 83 Resp: 246445
Ion Ratio Lower Upper
83 100
55 91.3 76.6 114.8
98 44.8 39.4 59.0



#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 :

Tot Ion: 41 Resp: 153145

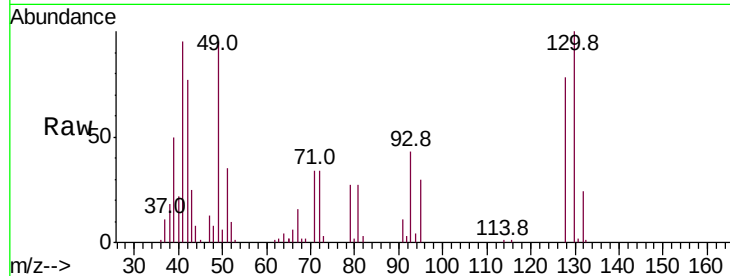
Ion Ratio Lower Upper

41 100

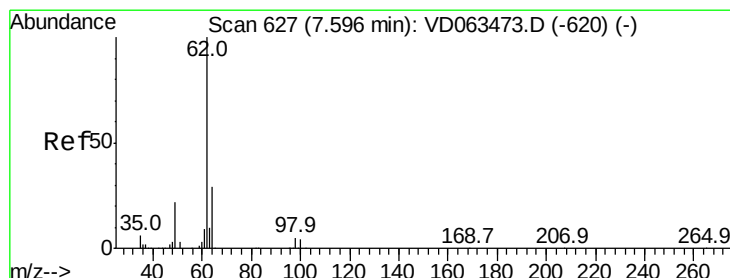
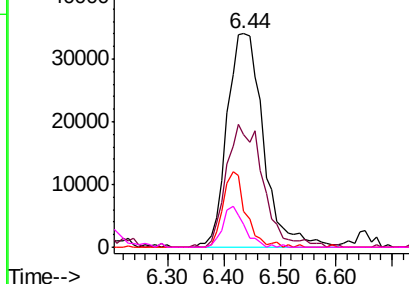
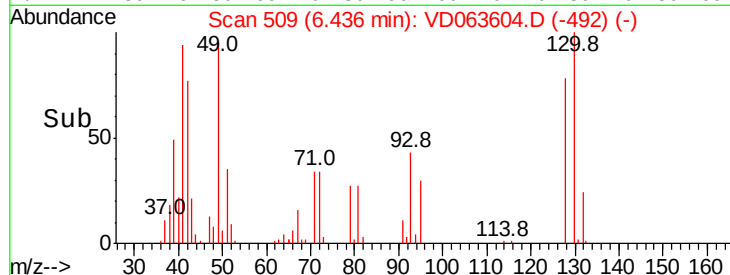
39 52.6 44.6 66.8

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

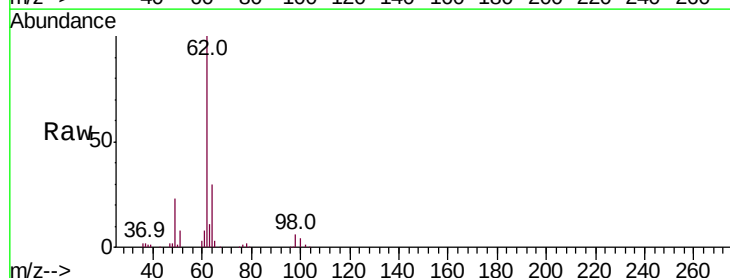
Acq: 15 Aug 2019 14:39

Tgt Ion: 62 Resp: 307563

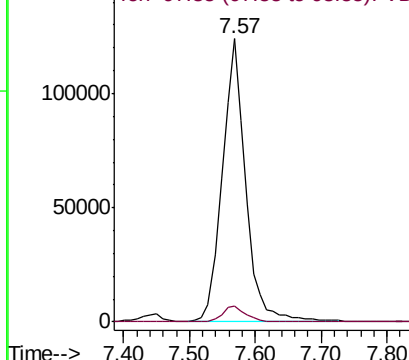
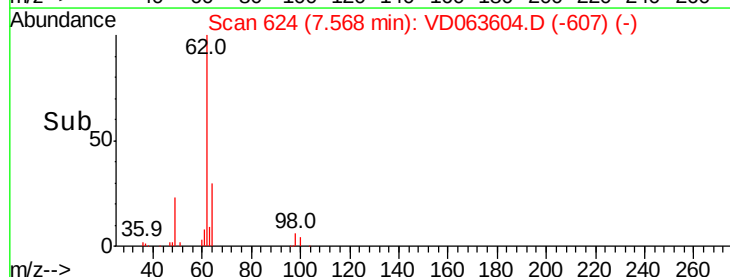
Ion Ratio Lower Upper

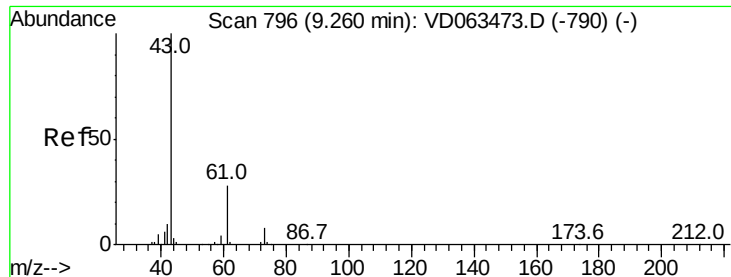
62 100

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 :

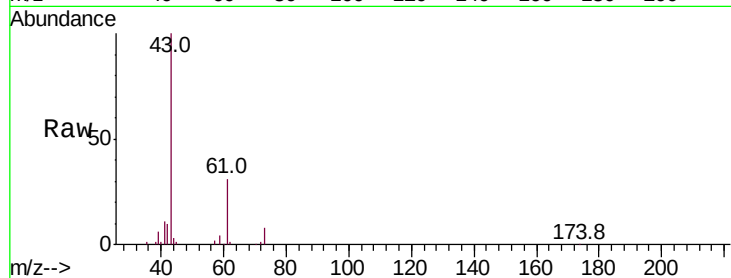
Tot Ion: 43 Resp: 156685

Ion Ratio Lower Upper

43 100

61 30.7 22.2 33.2

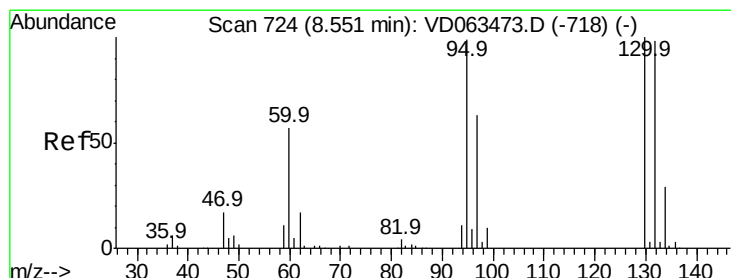
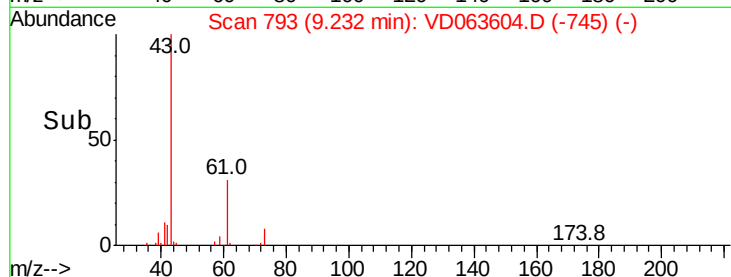
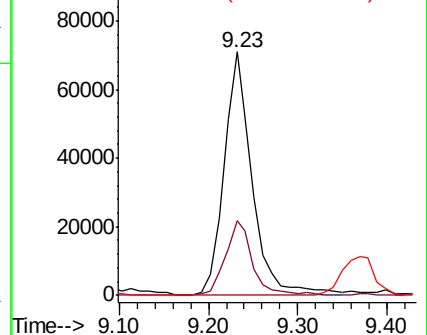
87 0.0 0.2 0.4#



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

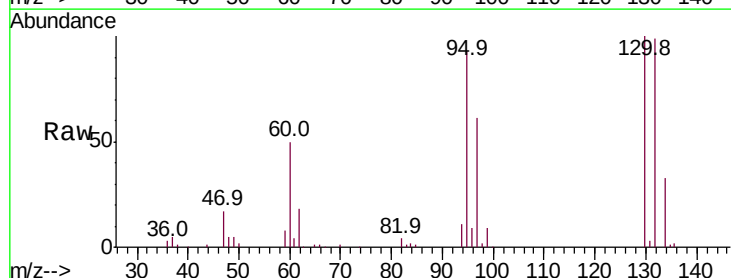
Acq: 15 Aug 2019 14:39

Tgt Ion:130 Resp: 236741

Ion Ratio Lower Upper

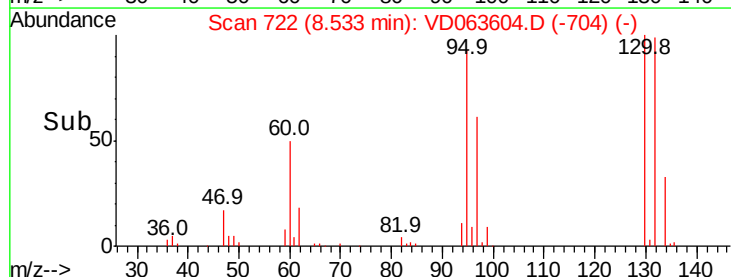
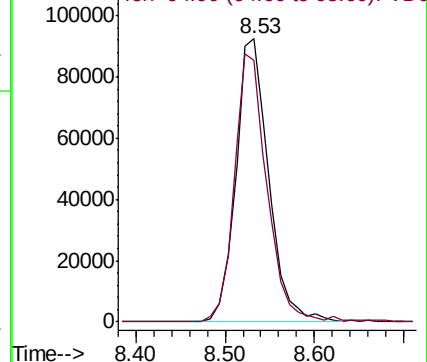
130 100

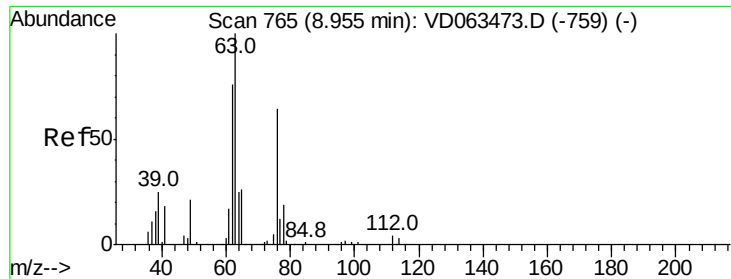
95 92.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

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

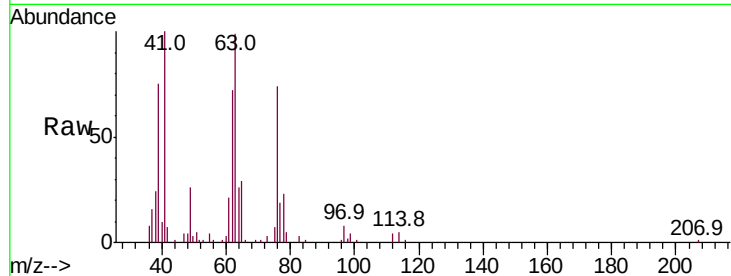
ClientSampleId :

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

8.93

60000

50000

40000

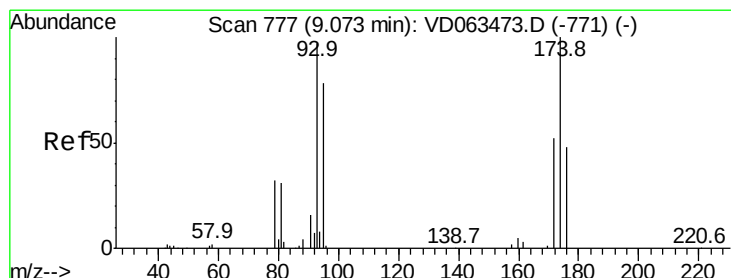
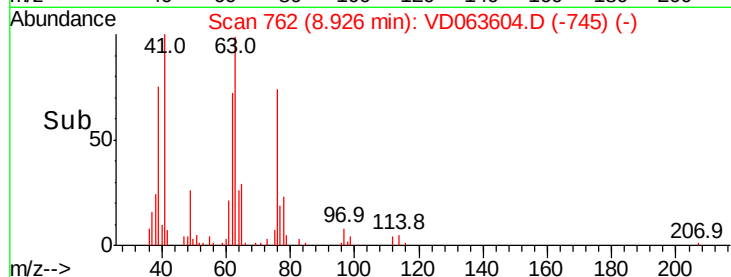
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#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

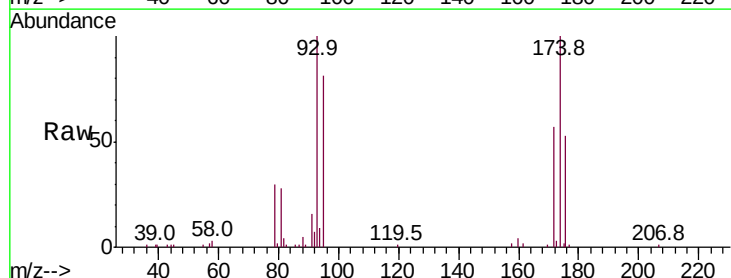
Tgt Ion: 93 Resp: 126102

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

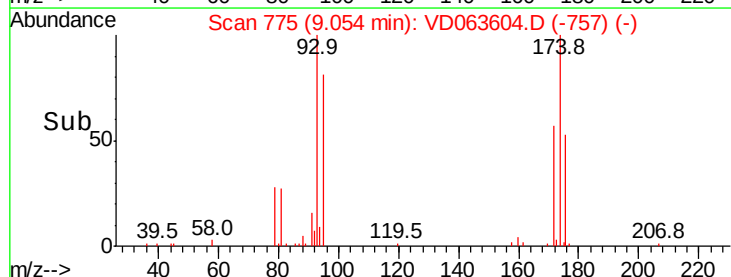
60000

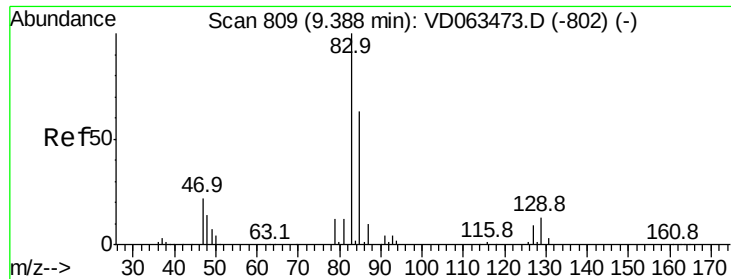
40000

20000

0

Time--> 9.00 9.10 9.20





#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 :

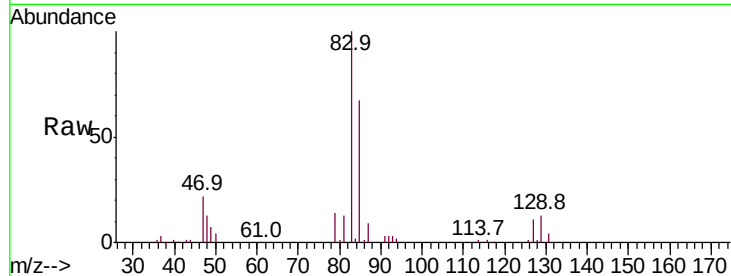
Tot Ion: 83 Resp: 307203

Ion Ratio Lower Upper

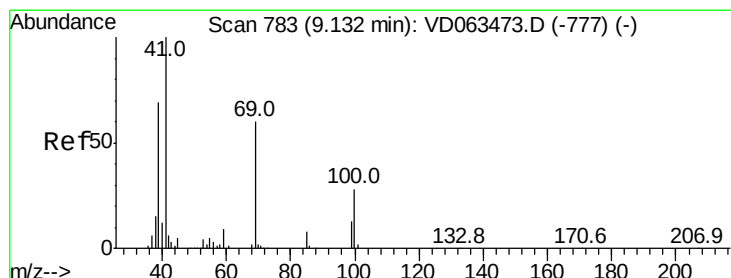
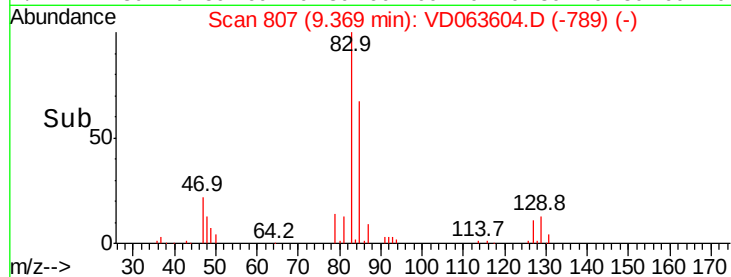
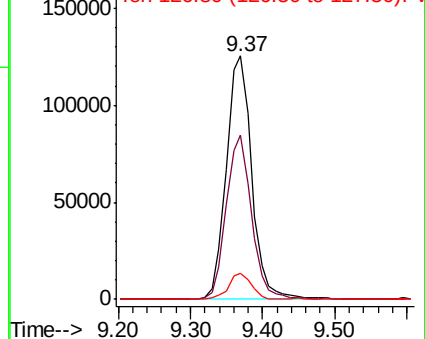
83 100

85 67.4 50.1 75.1

127 10.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 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

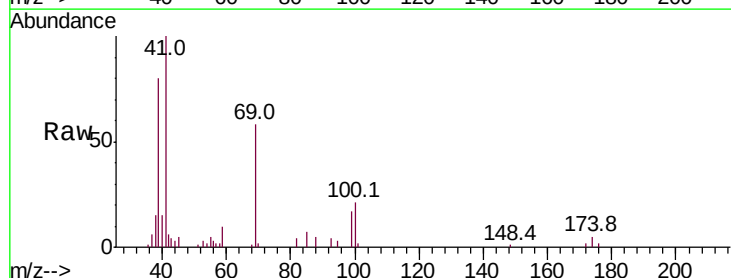
Tgt Ion: 41 Resp: 103957

Ion Ratio Lower Upper

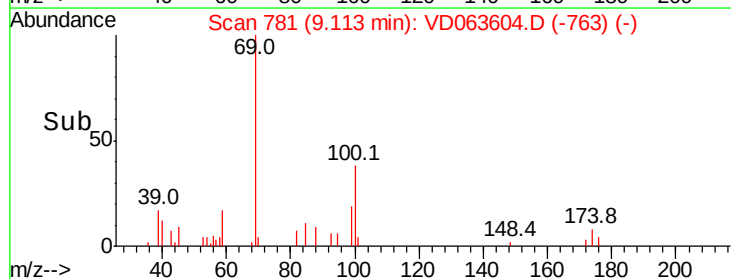
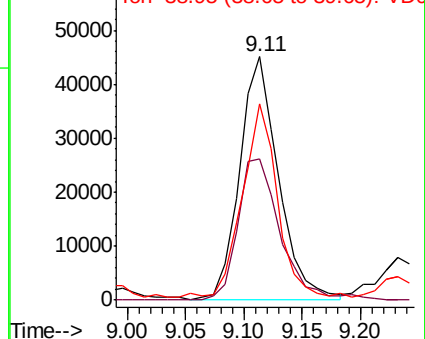
41 100

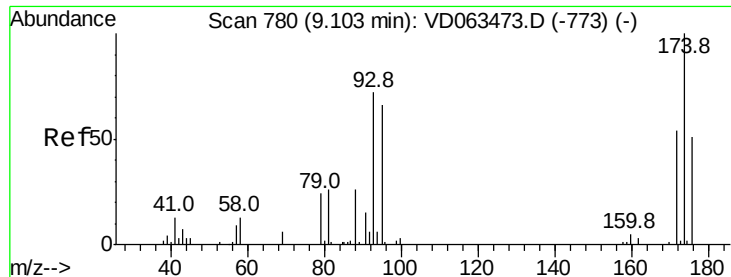
69 58.2 47.6 71.4

39 80.5 55.7 83.5



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

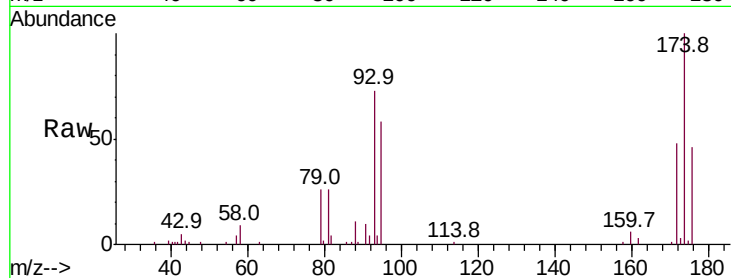




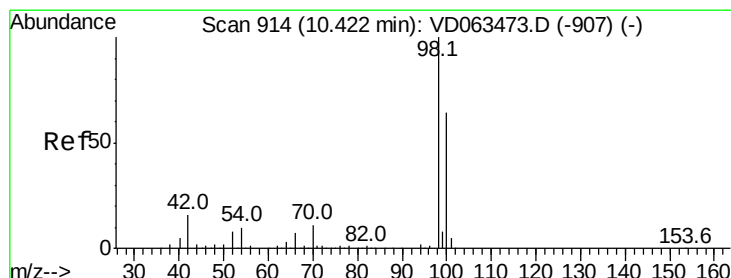
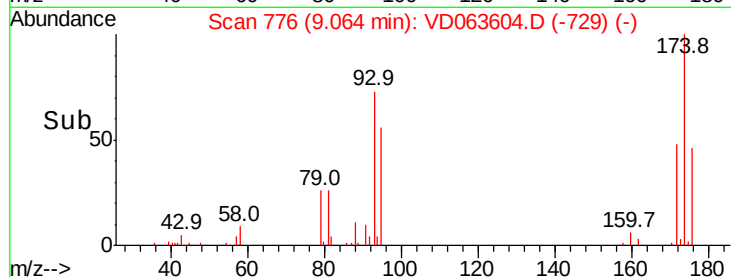
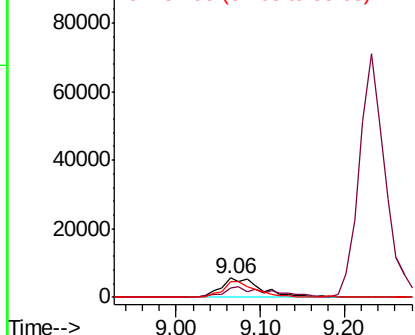
#49
 1,4-Dioxane
 Concen: 401.341 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.04 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

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#

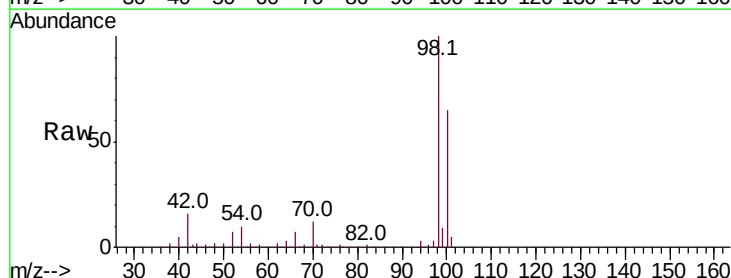


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

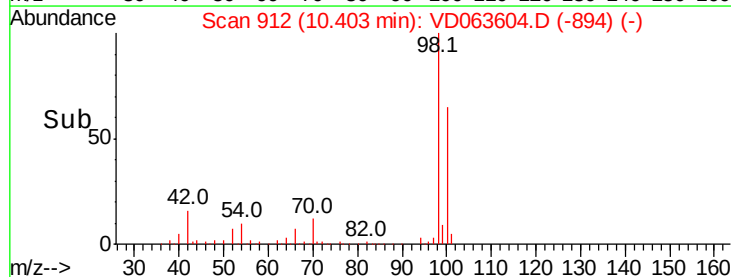
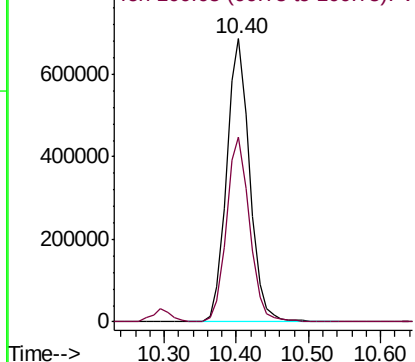


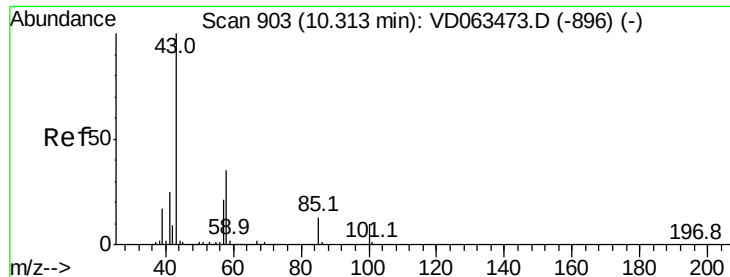
#50
 Toluene-d8
 Concen: 51.505 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

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

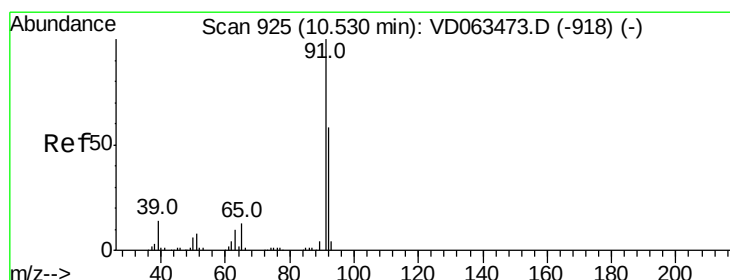
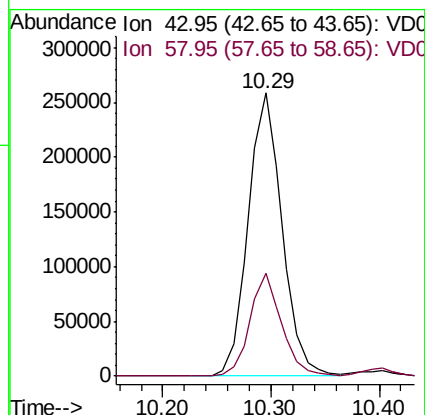
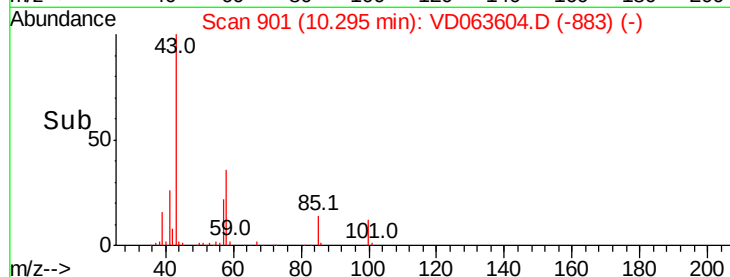
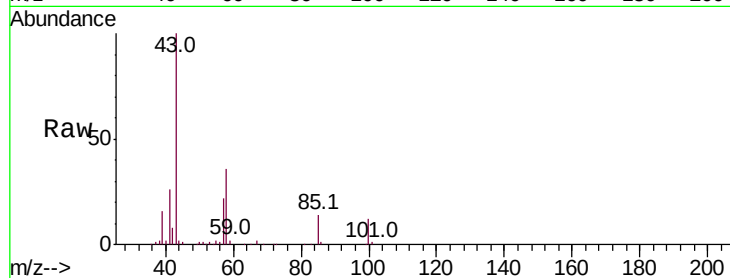
ClientSampleId :

Tot Ion: 43 Resp: 564649

Ion Ratio Lower Upper

43 100

58 36.4 28.0 42.0



#52

Toluene

Concen: 21.023 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063604.D

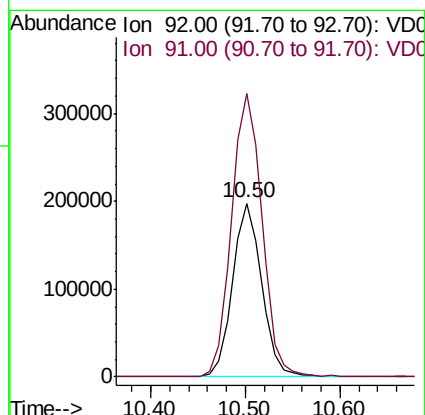
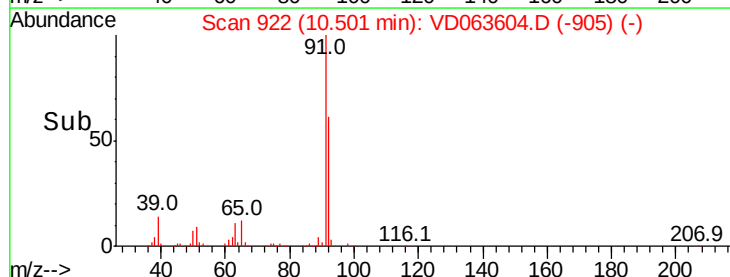
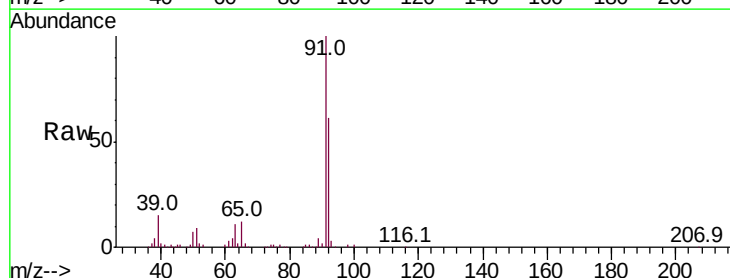
Acq: 15 Aug 2019 14:39

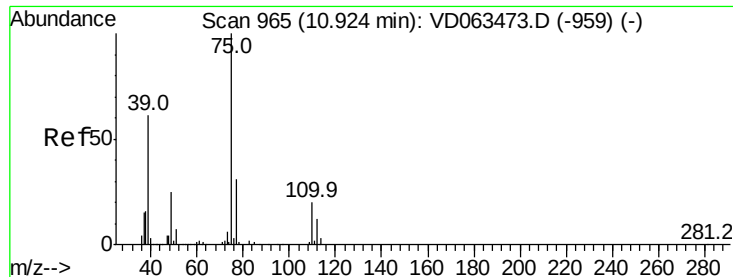
Tgt Ion: 92 Resp: 420466

Ion Ratio Lower Upper

92 100

91 163.1 137.9 206.9





#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

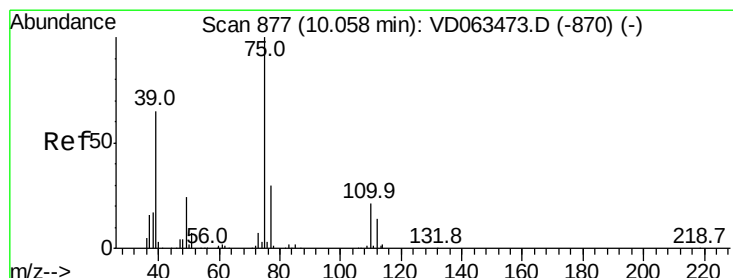
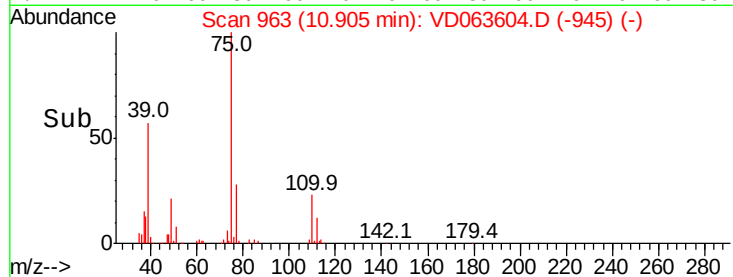
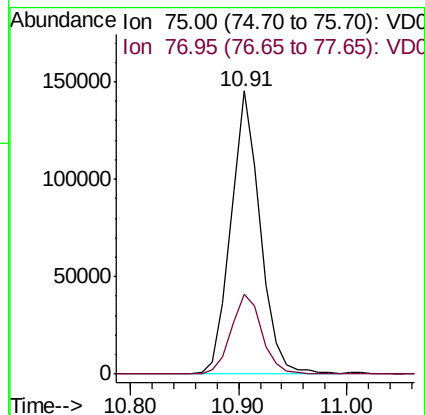
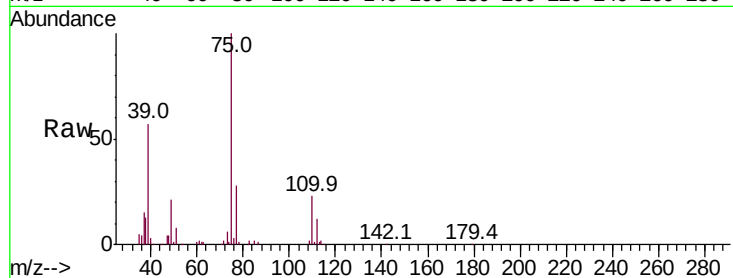
ClientSampleId :

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

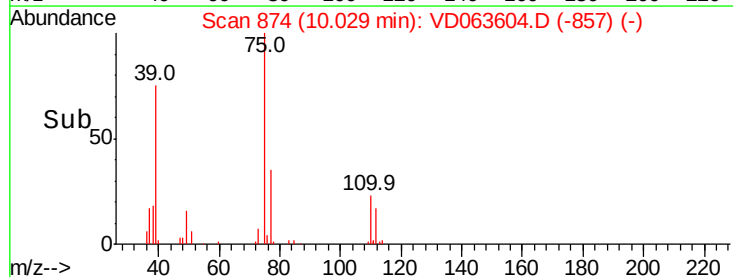
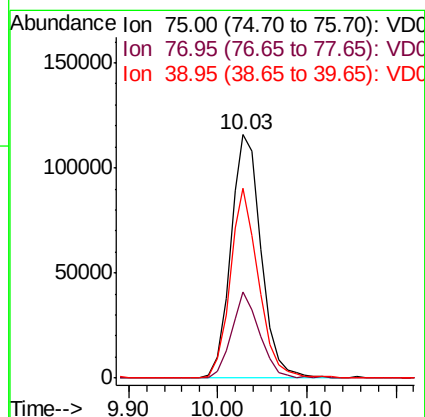
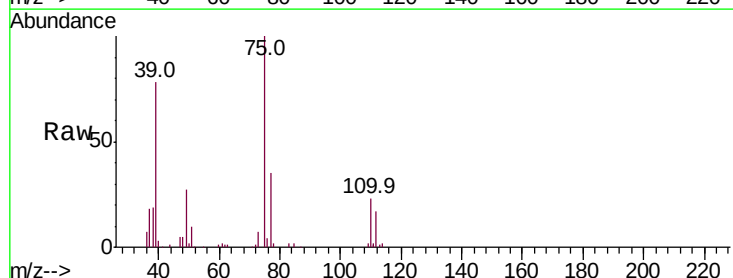
Tgt Ion: 75 Resp: 275397

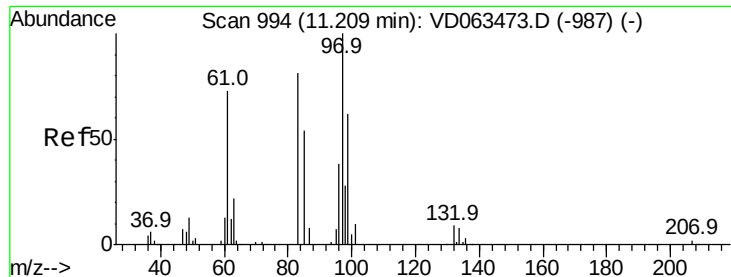
Ion Ratio Lower Upper

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 :

Tot Ion: 97 Resp: 130324

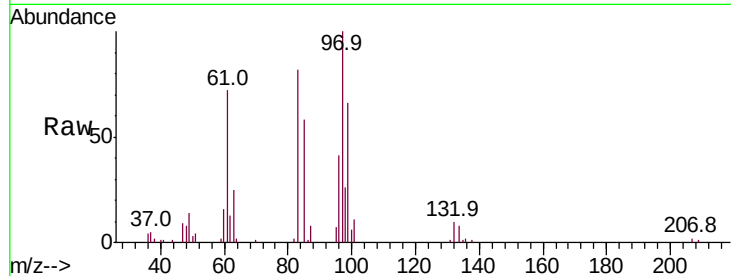
Ion Ratio Lower Upper

97 100

83 81.7 64.7 97.1

85 57.6 42.9 64.3

99 66.4 49.7 74.5

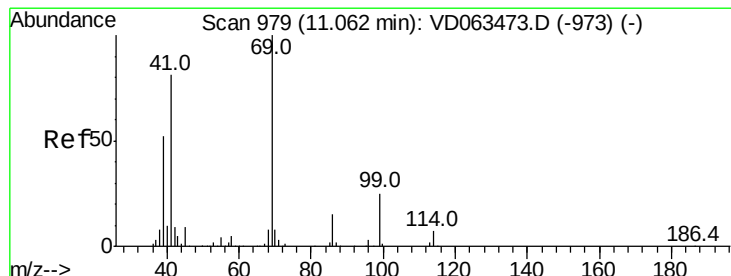
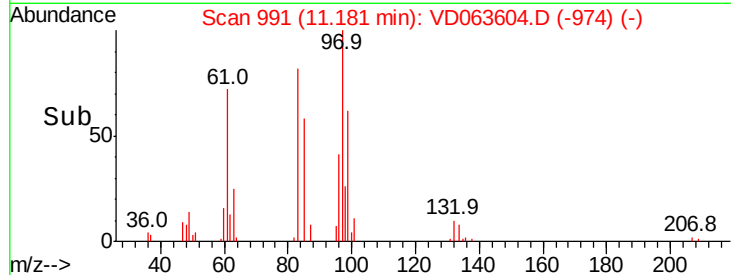
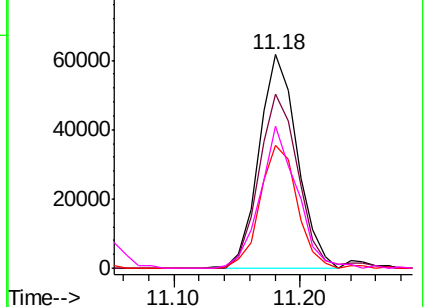


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 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

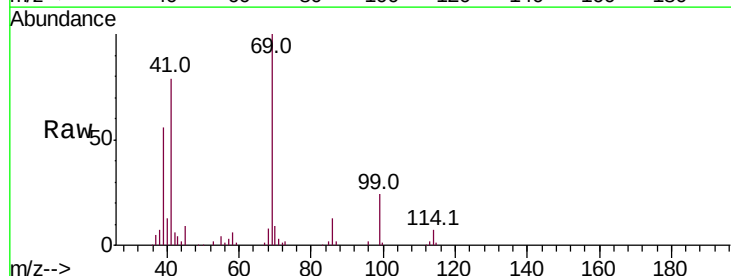
Tgt Ion: 69 Resp: 148130

Ion Ratio Lower Upper

69 100

41 79.1 64.8 97.2

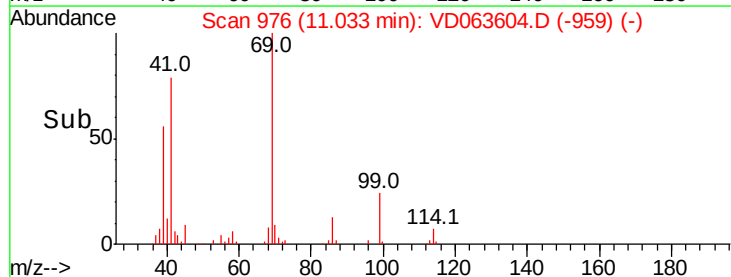
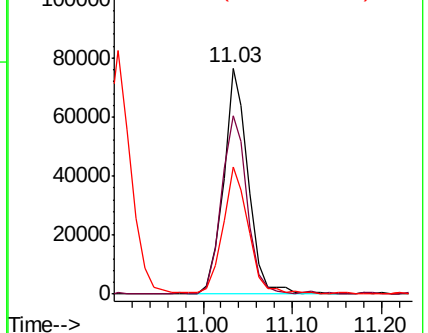
39 56.4 42.4 63.6

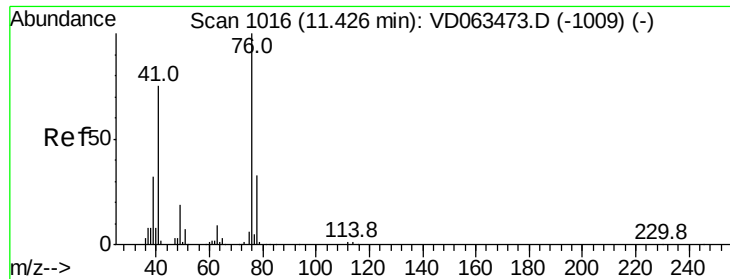


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 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

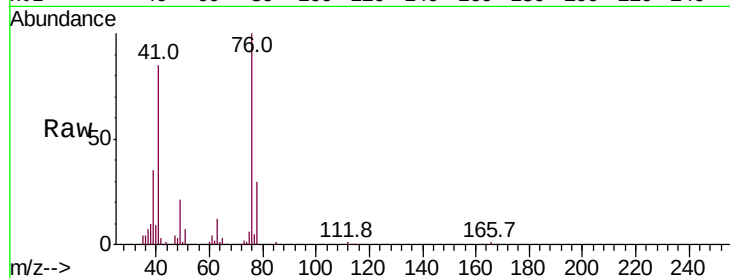
ClientSampleId :

Tot Ion: 76 Resp: 187377

Ion Ratio Lower Upper

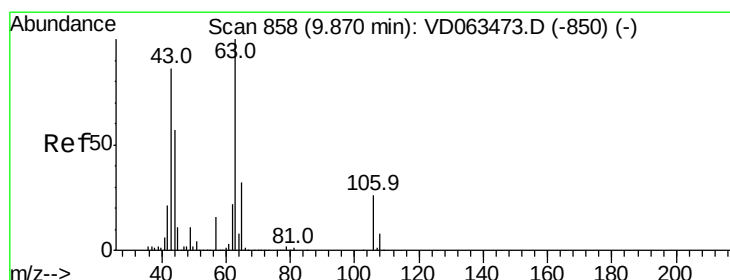
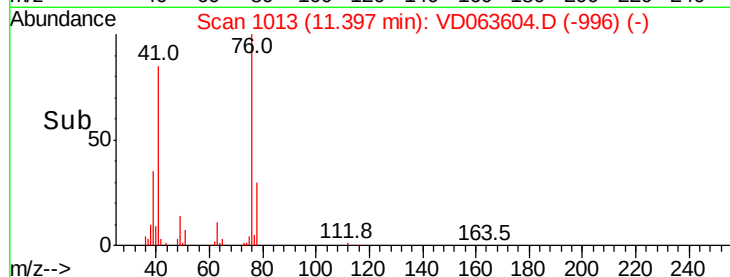
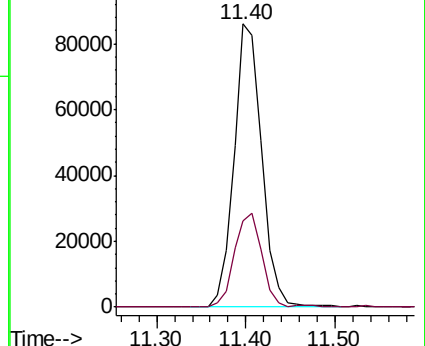
76 100

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

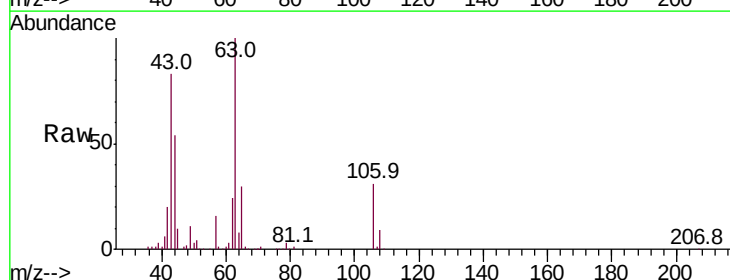
Acq: 15 Aug 2019 14:39

Tgt Ion: 63 Resp: 382530

Ion Ratio Lower Upper

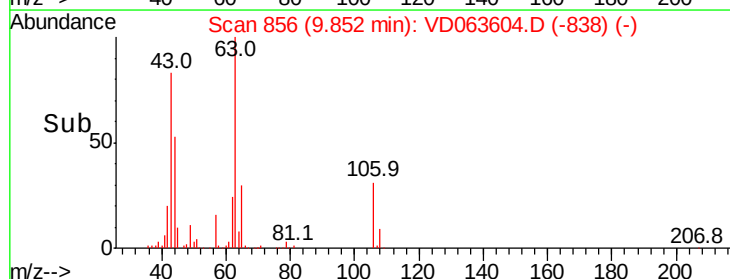
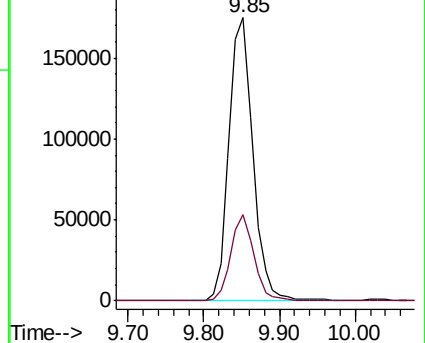
63 100

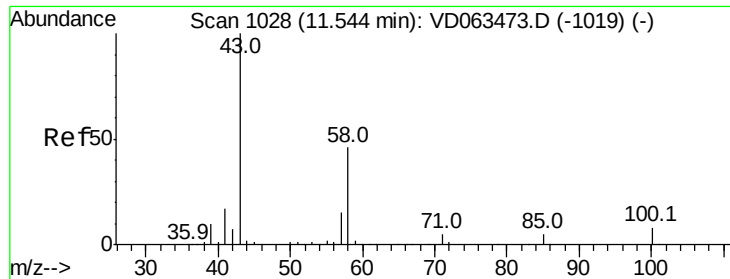
106 30.6 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

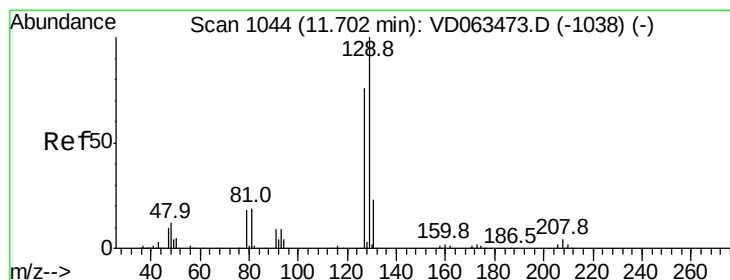
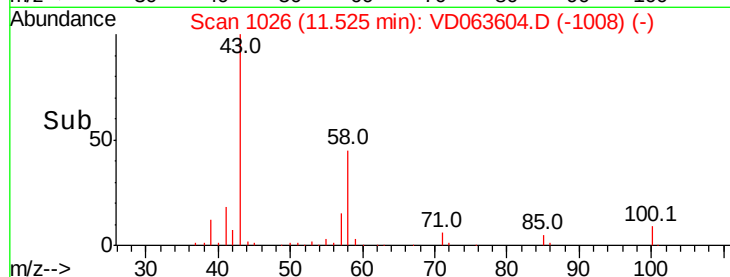
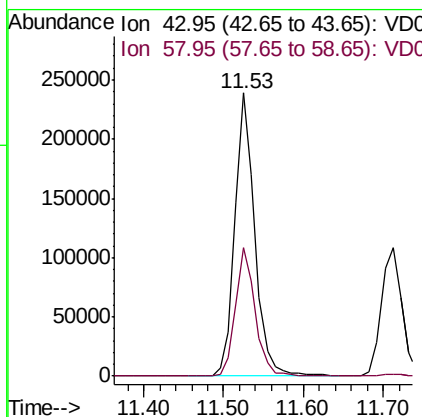
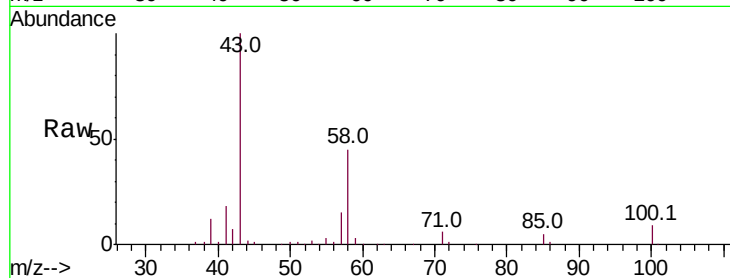




#59
2-Hexanone
Concen: 106.299 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

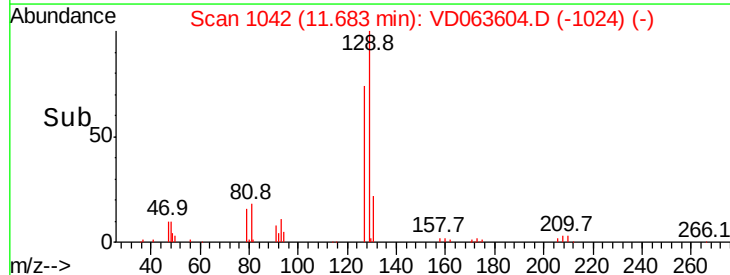
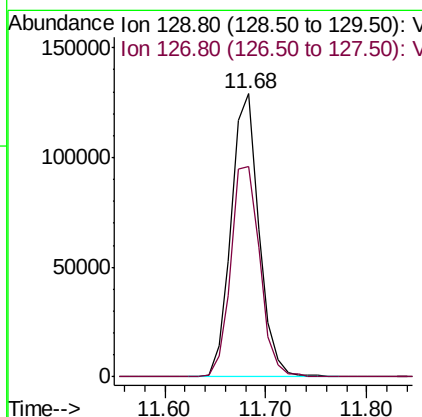
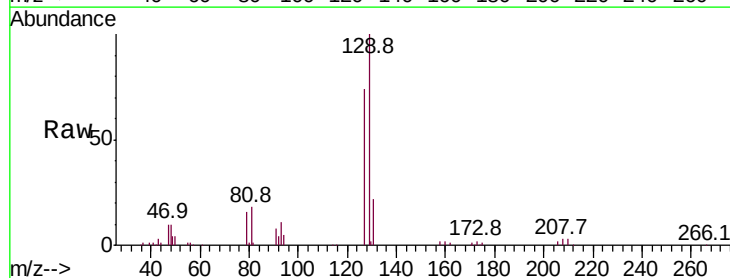
Instrument :
MSVOA_D
ClientSampleId :

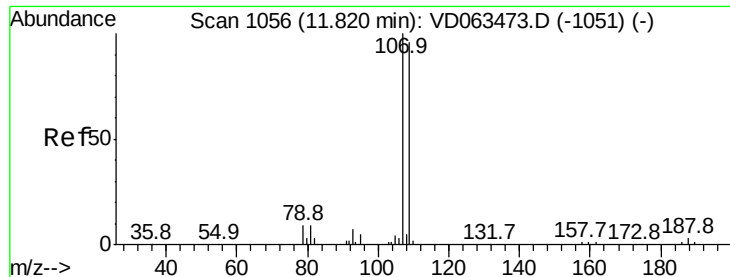
Tot Ion: 43 Resp: 419118
Ion Ratio Lower Upper
43 100
58 45.4 23.1 69.2



#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





#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

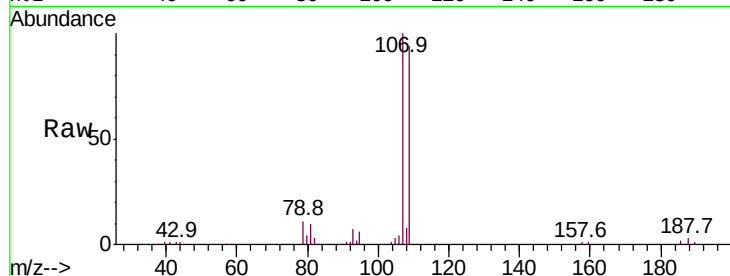
ClientSampleId :

Tot Ion:107 Resp: 157121

Ion Ratio Lower Upper

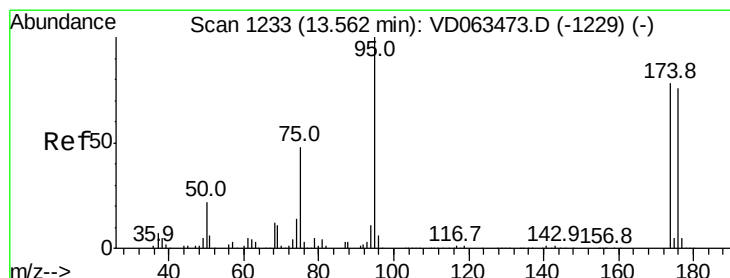
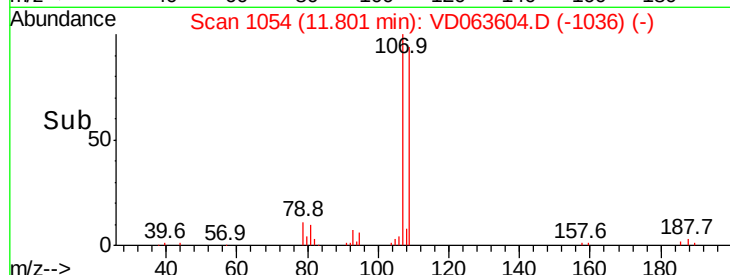
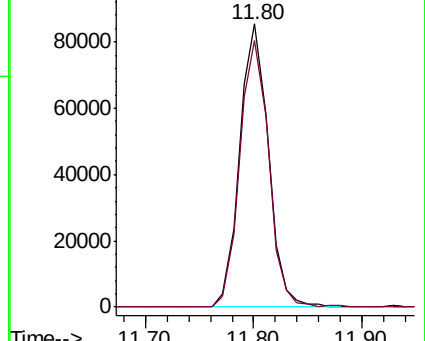
107 100

109 94.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#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

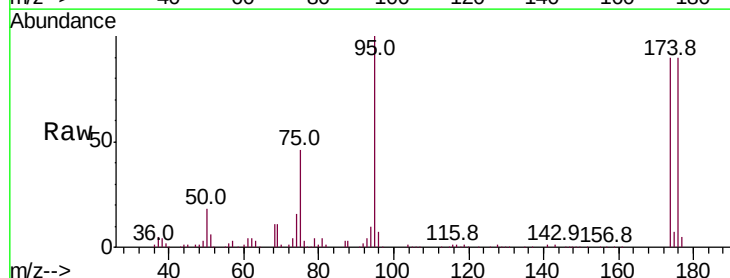
Tgt Ion: 95 Resp: 606532

Ion Ratio Lower Upper

95 100

174 90.4 0.0 155.4

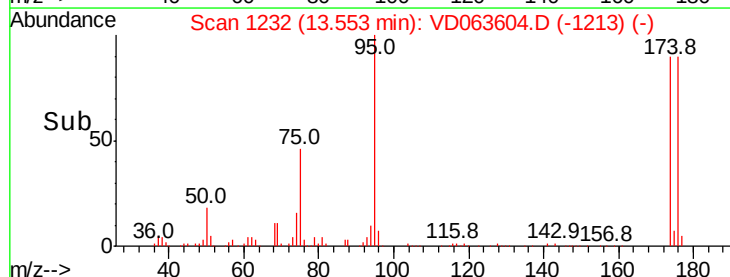
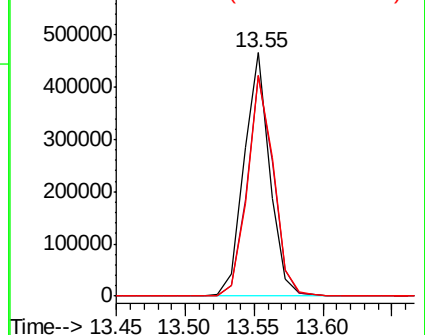
176 90.3 0.0 152.4

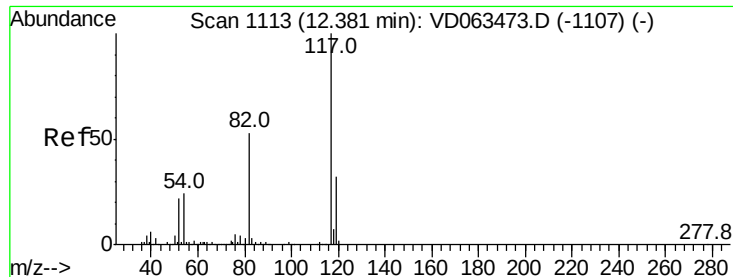


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

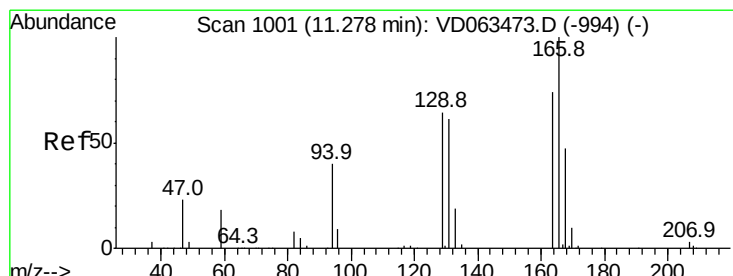
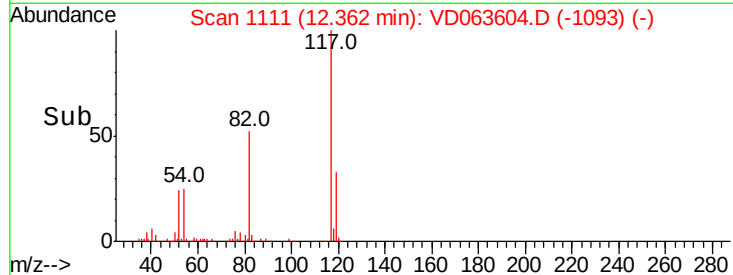
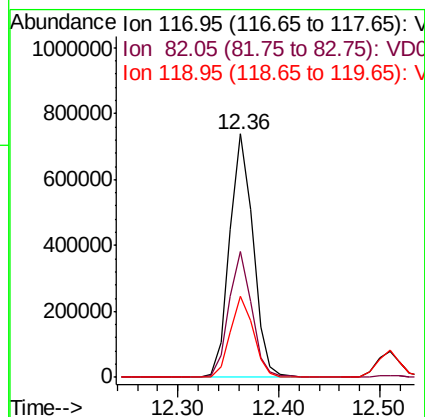
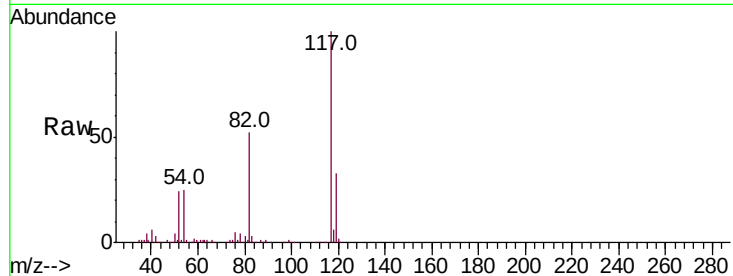




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

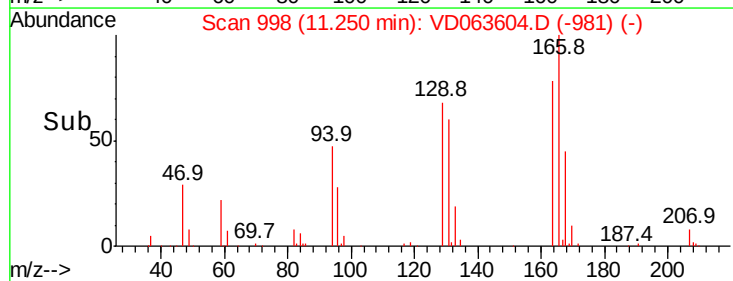
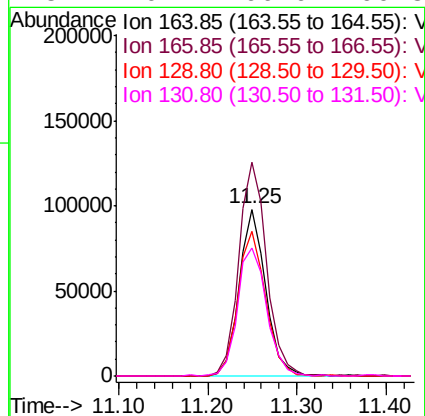
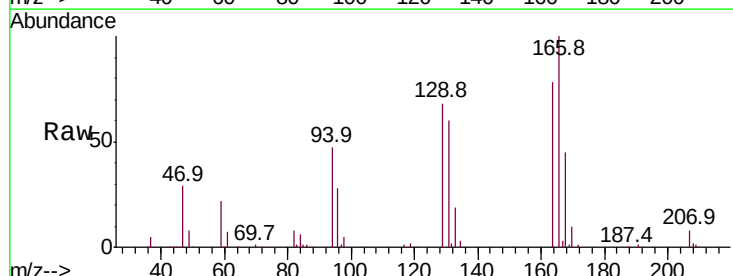
Instrument :
MSVOA_D
ClientSampled :

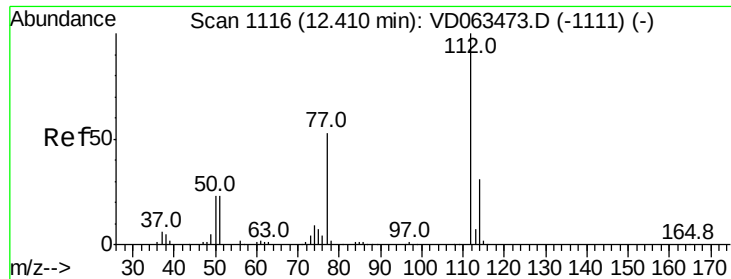
Tot Ion:117 Resp: 1194998
Ion Ratio Lower Upper
117 100
82 51.8 42.0 63.0
119 33.2 25.4 38.0



#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

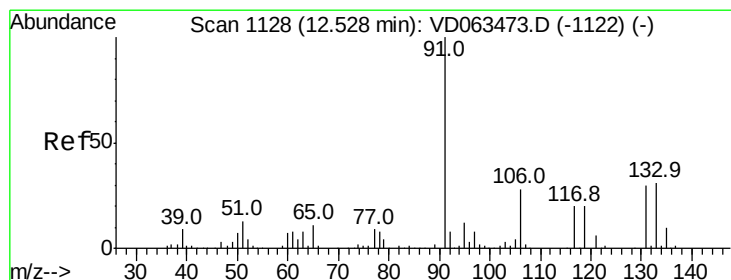
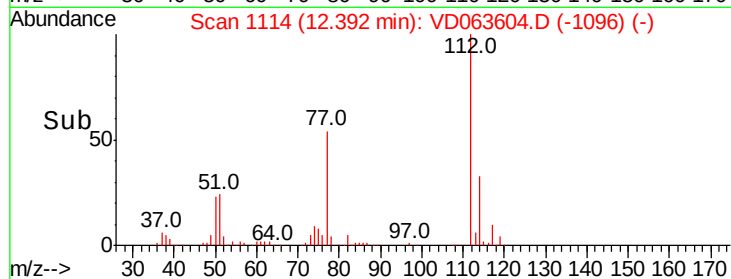
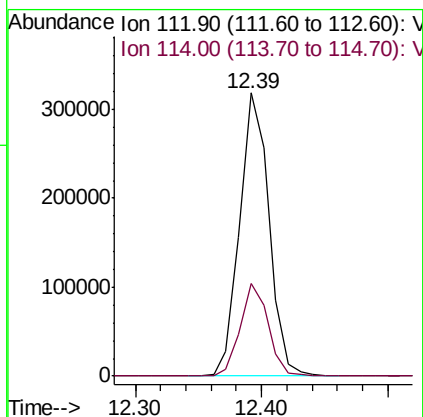
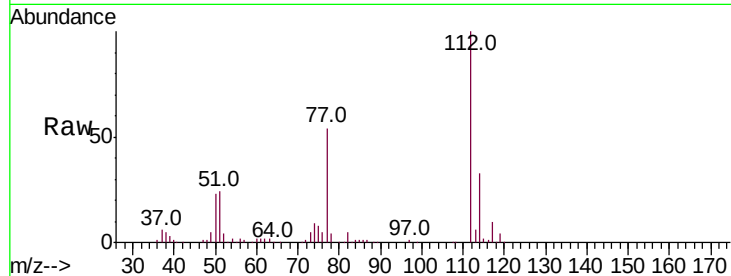




#65
Chlorobenzene
Concen: 22.872 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

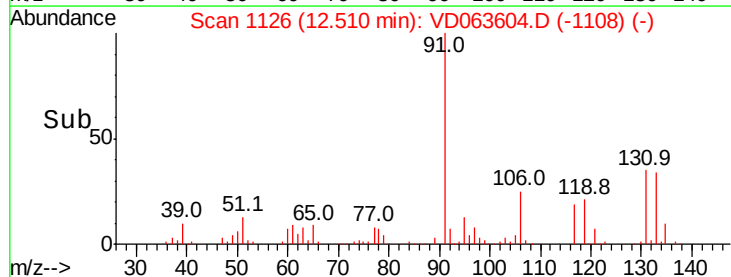
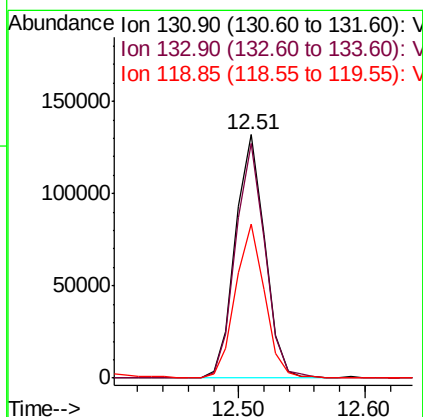
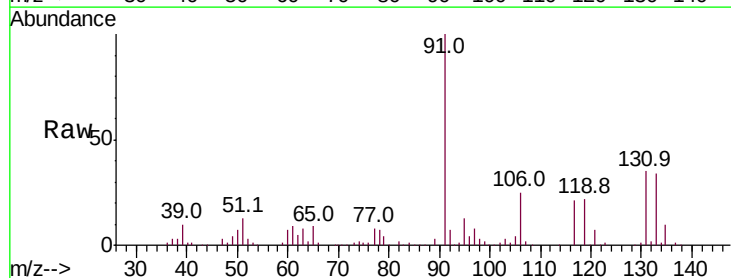
Instrument :
MSVOA_D
ClientSampleId :

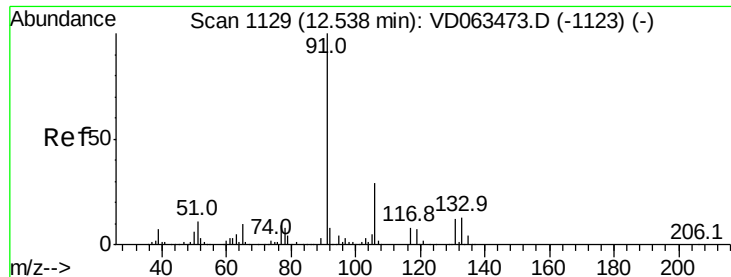
Tot Ion:112 Resp: 512266
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#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

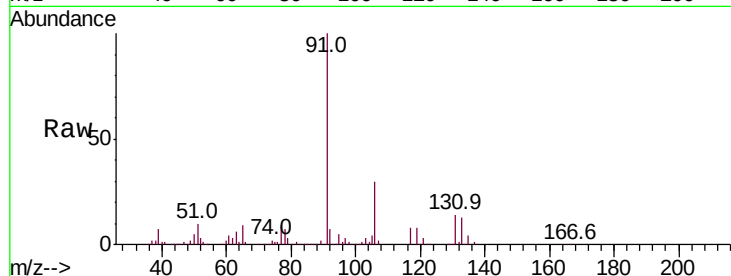




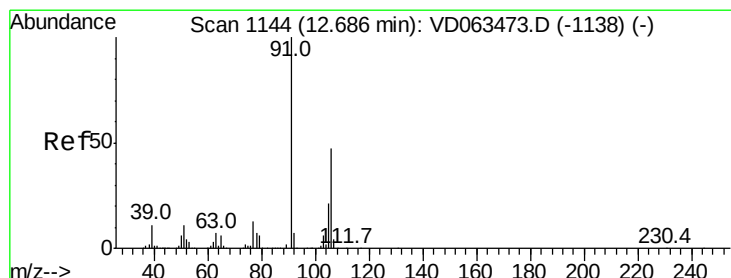
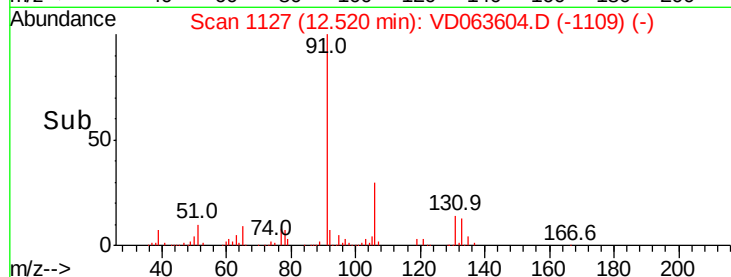
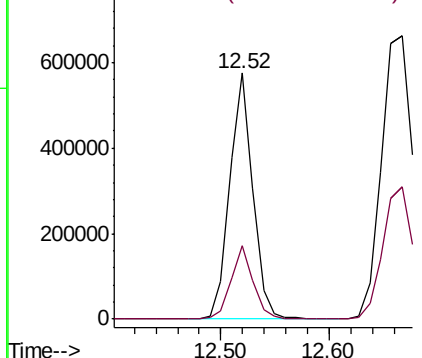
#67
Ethyl Benzene
Concen: 21.970 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampled :

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

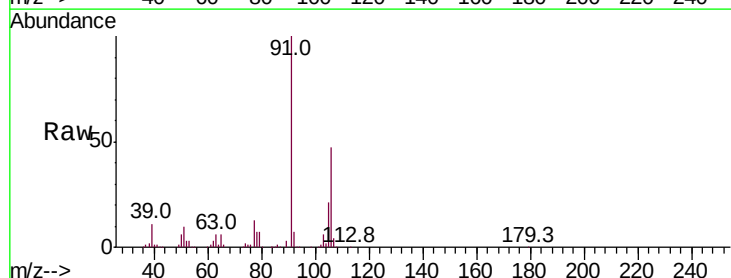


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

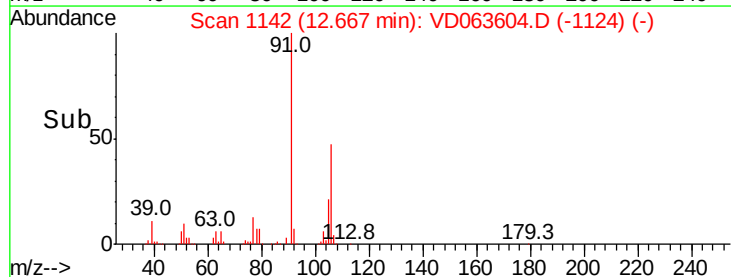
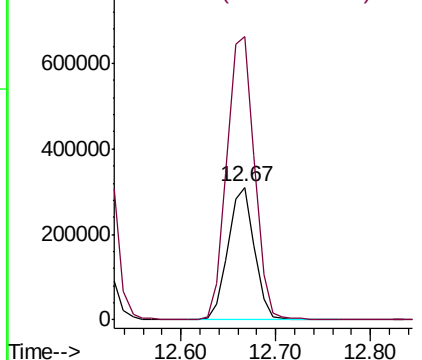


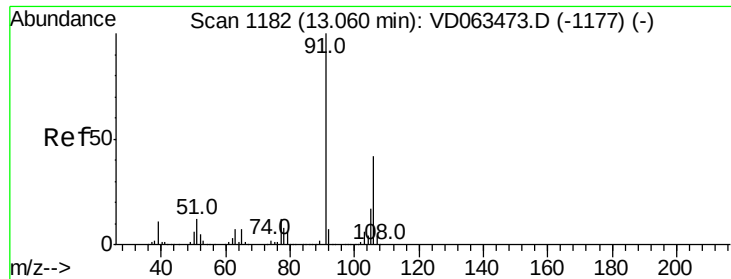
#68
m/p-Xylenes
Concen: 43.592 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

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



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

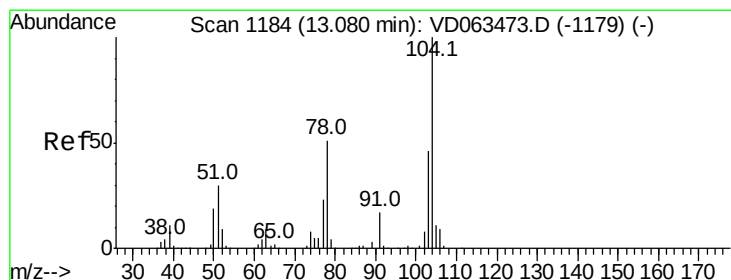
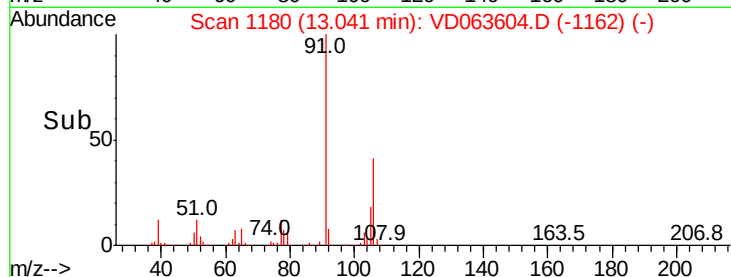
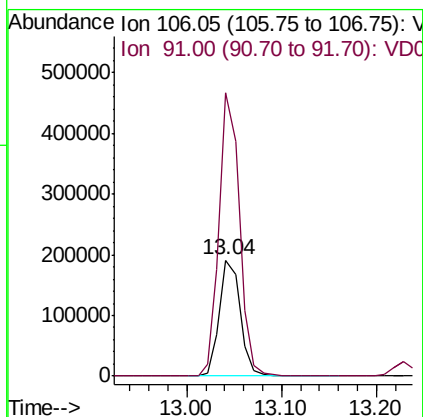
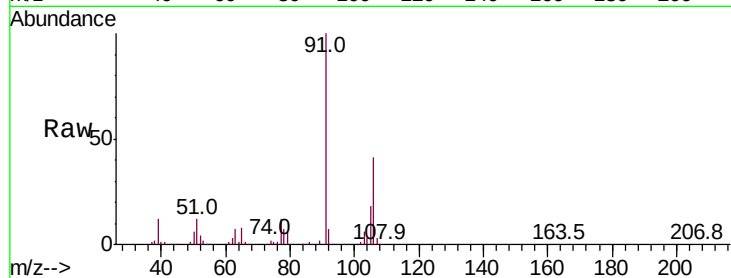




#69
o-Xylene
Concen: 22.263 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

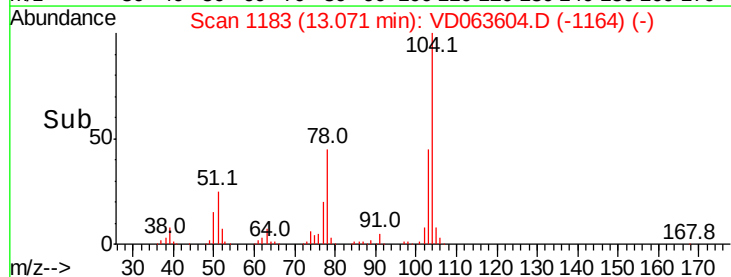
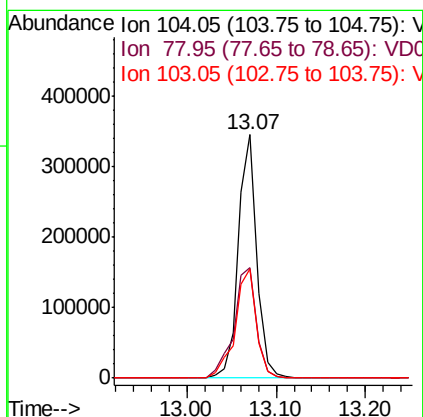
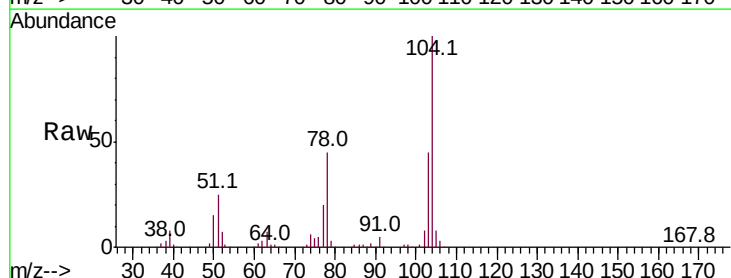
Instrument :
MSVOA_D
ClientSampled :

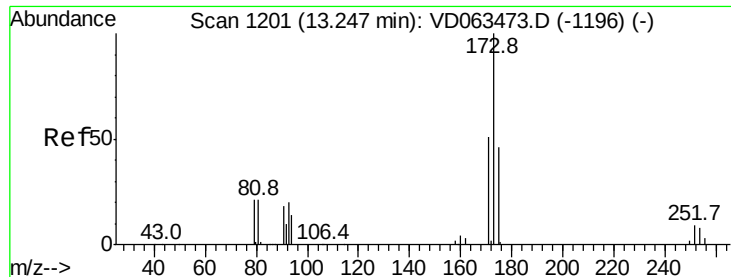
Tot Ion:106 Resp: 293161
Ion Ratio Lower Upper
106 100
91 243.9 118.1 354.2



#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

ClientSampled :

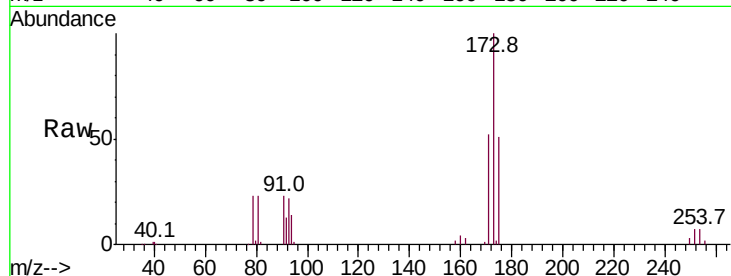
Tot Ion:173 Resp: 155024

Ion Ratio Lower Upper

173 100

175 50.7 22.8 68.3

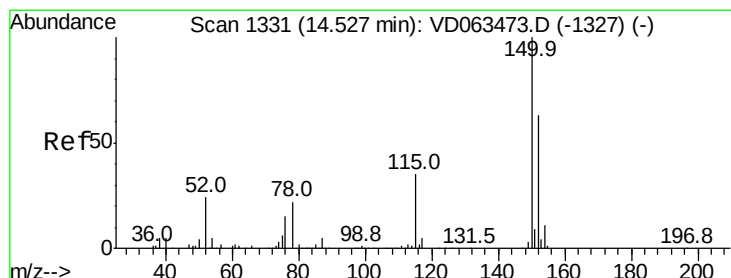
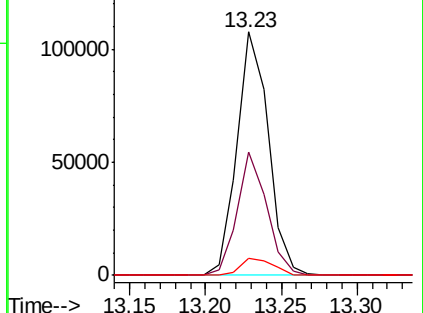
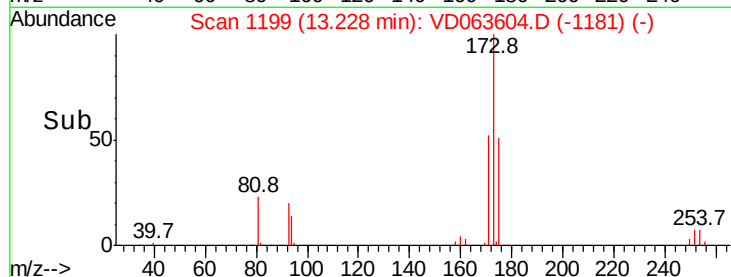
254 7.0 6.6 9.8



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

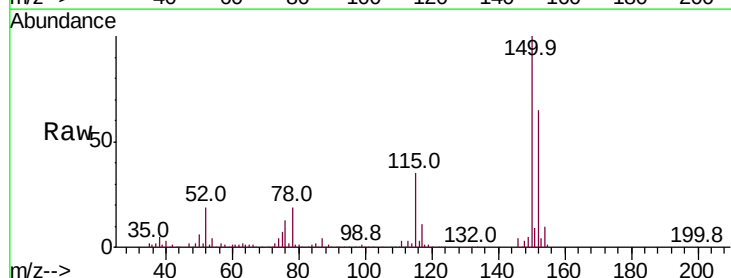
Tgt Ion:152 Resp: 613204

Ion Ratio Lower Upper

152 100

115 54.0 30.9 92.7

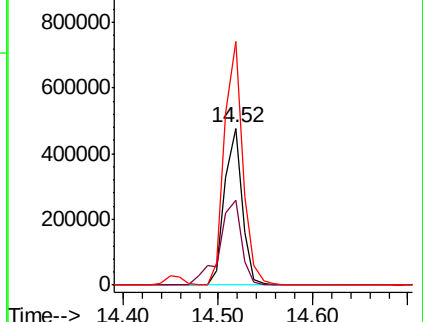
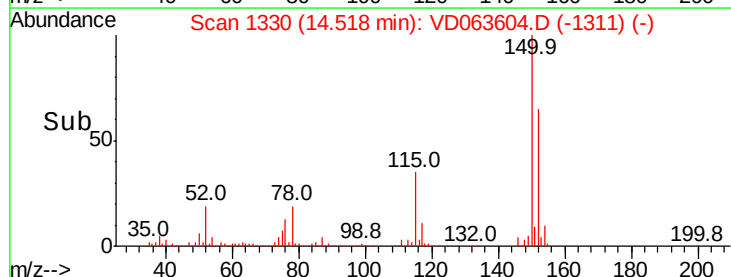
150 155.0 0.0 318.6

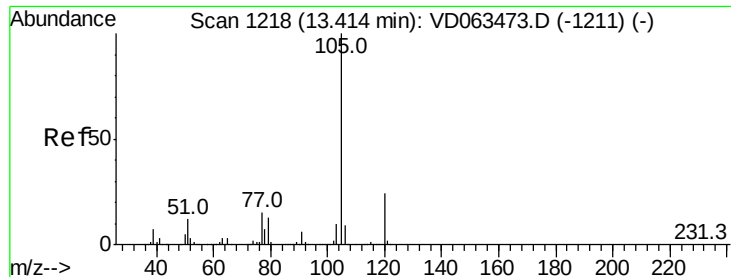


Abundance Ion 151.90 (151.60 to 152.60): V

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

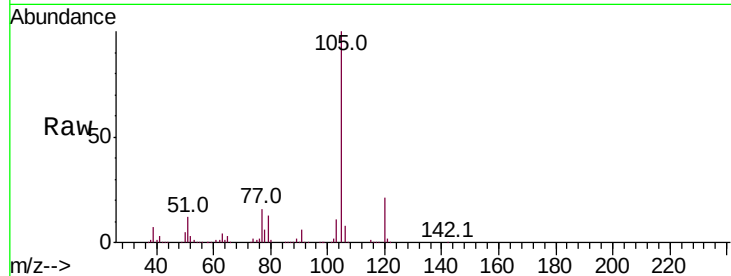
ClientSampleId :

Tot Ion:105 Resp: 894949

Ion Ratio Lower Upper

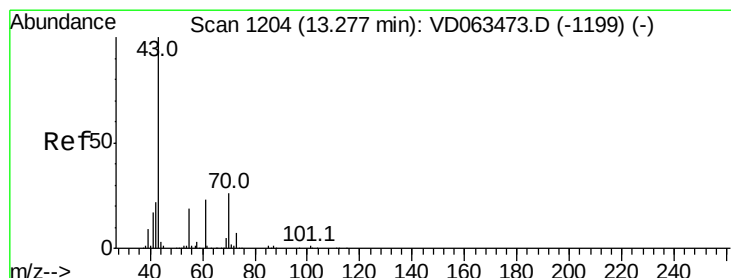
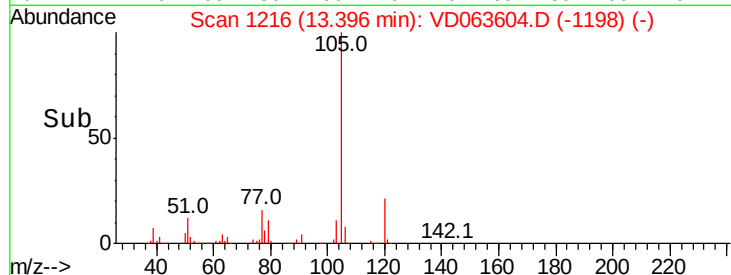
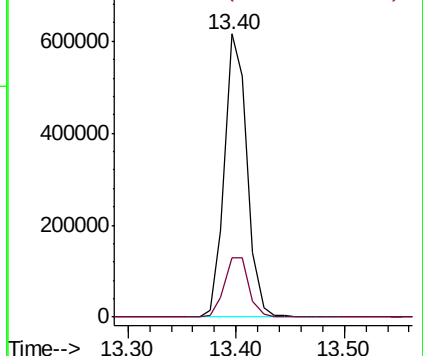
105 100

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

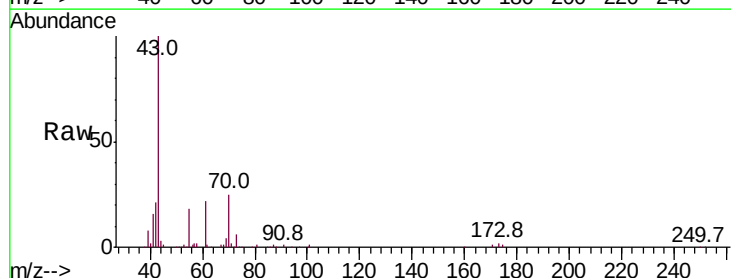
Ion Ratio Lower Upper

43 100

70 24.6 21.1 31.7

55 18.1 15.4 23.0

61 21.8 18.2 27.2

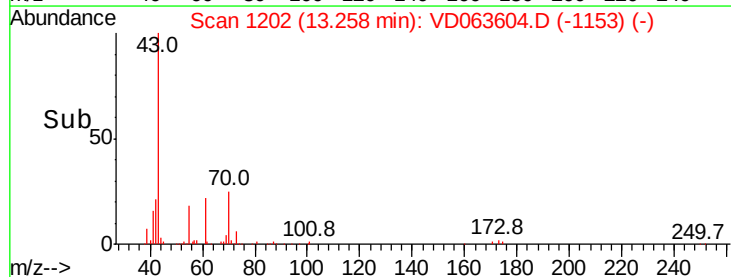
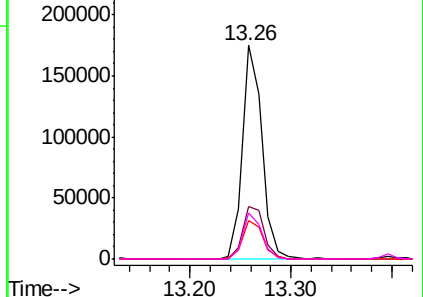


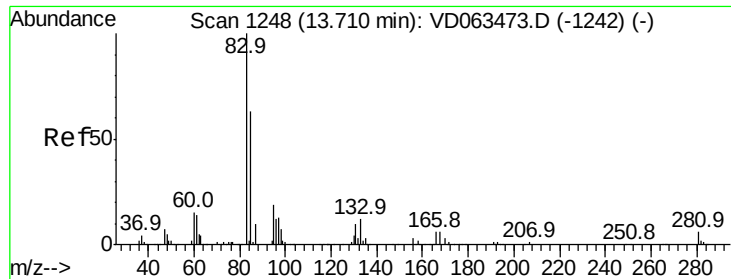
Abundance Ion 42.95 (42.65 to 43.65): V

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 :

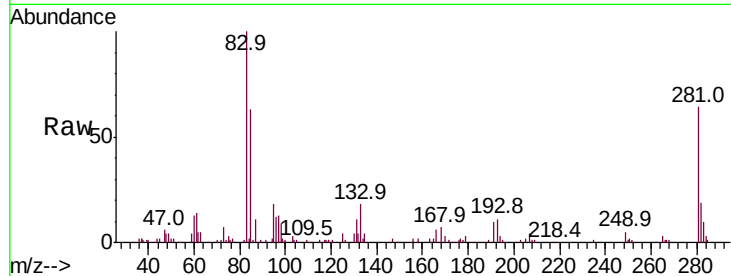
Tot Ion: 83 Resp: 145274

Ion Ratio Lower Upper

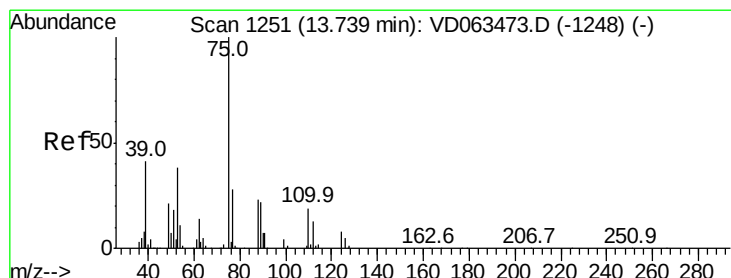
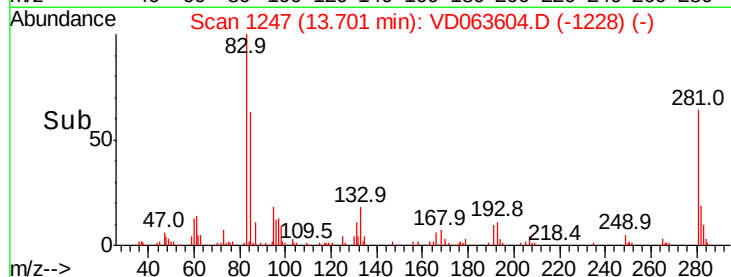
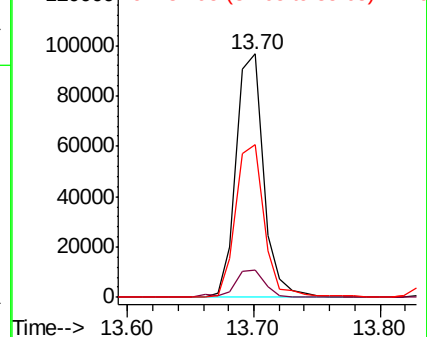
83 100

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

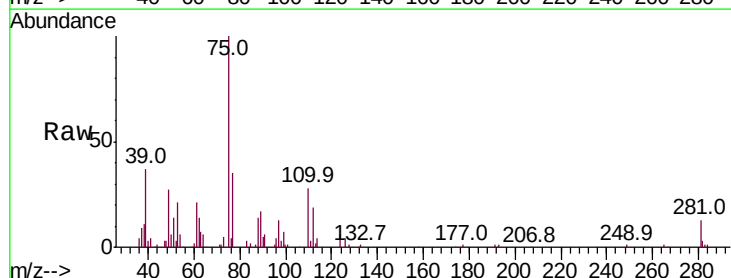
Acq: 15 Aug 2019 14:39

Tgt Ion: 75 Resp: 153671

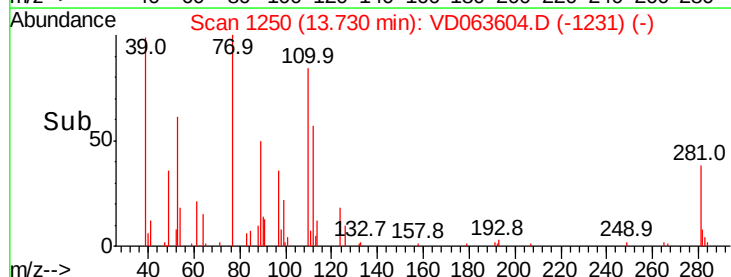
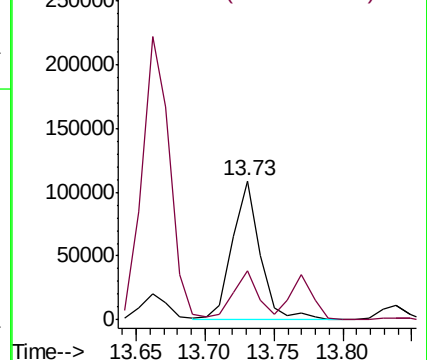
Ion Ratio Lower Upper

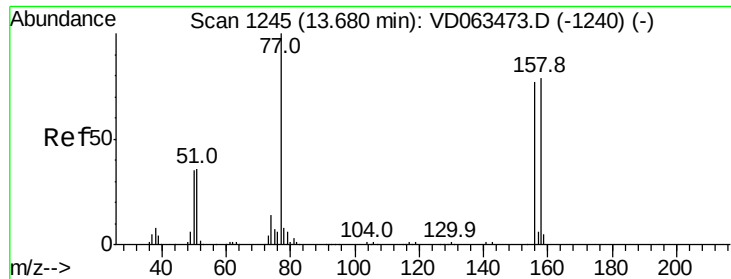
75 100

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 :

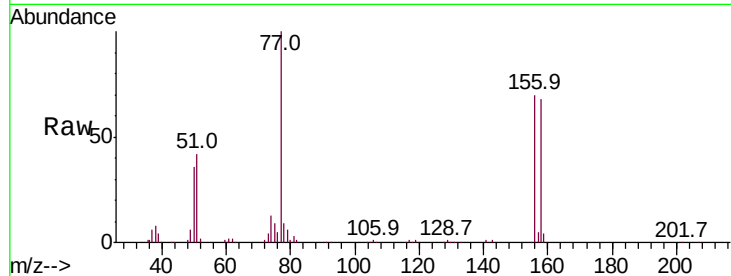
Tot Ion:156 Resp: 237151

Ion Ratio Lower Upper

156 100

77 143.0 64.6 193.8

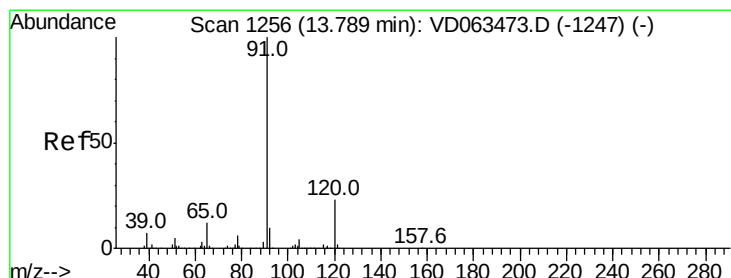
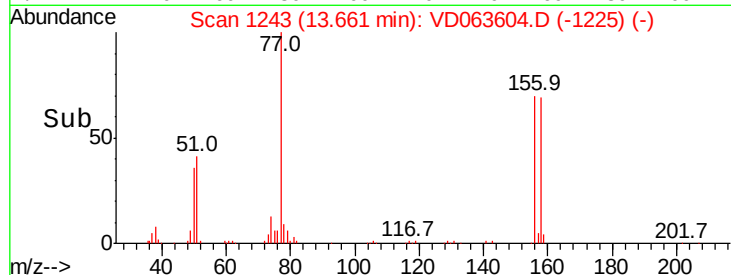
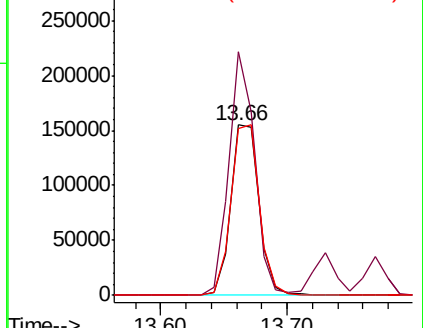
158 97.7 50.9 152.7



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

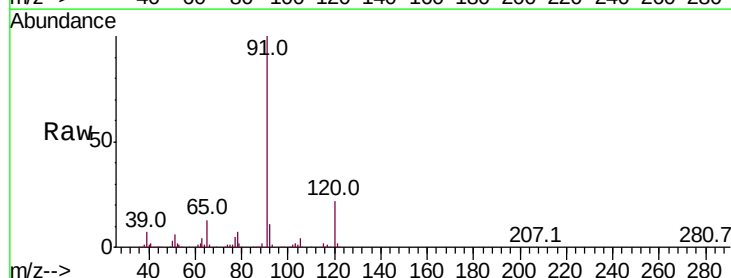
Acq: 15 Aug 2019 14:39

Tgt Ion: 91 Resp: 992381

Ion Ratio Lower Upper

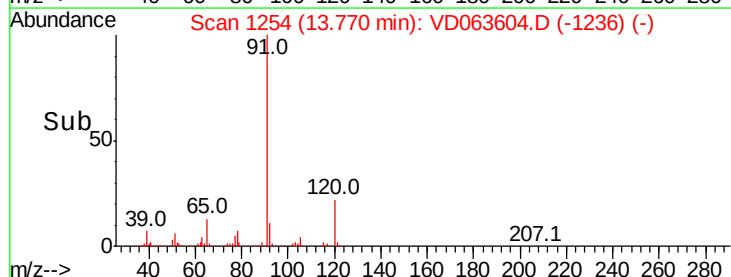
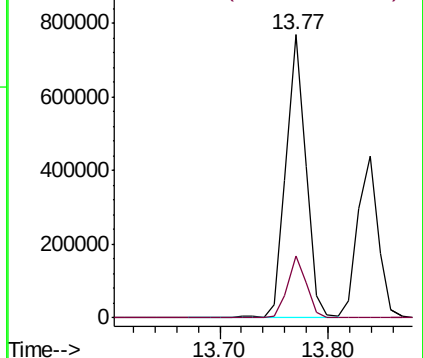
91 100

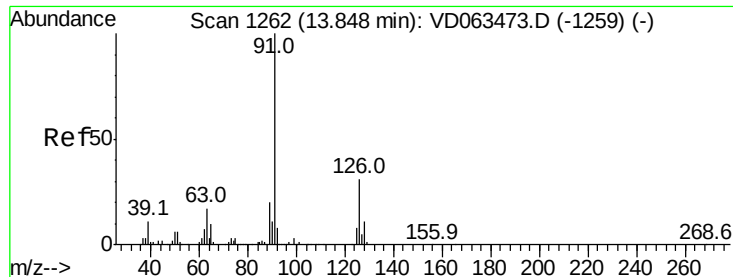
120 22.0 11.3 33.9



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

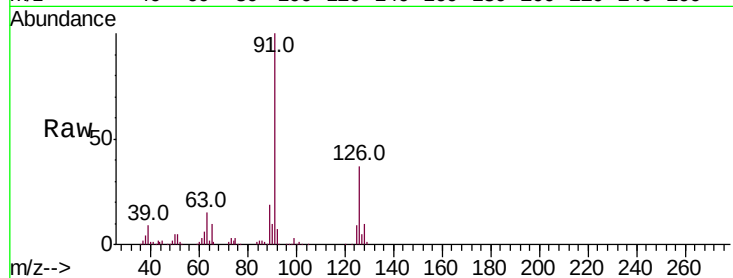
ClientSampleId :

Tot Ion: 91 Resp: 582218

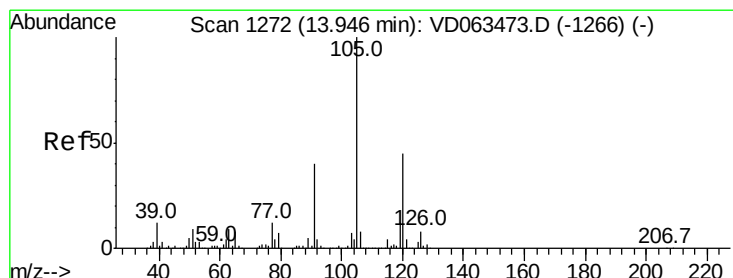
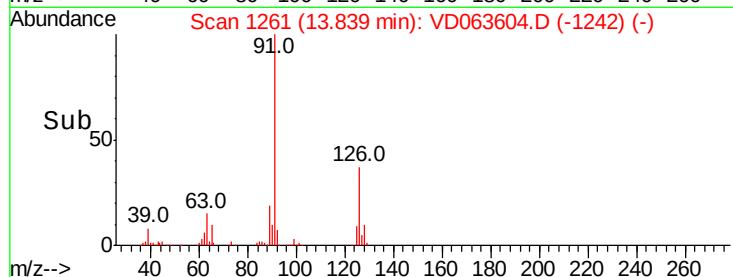
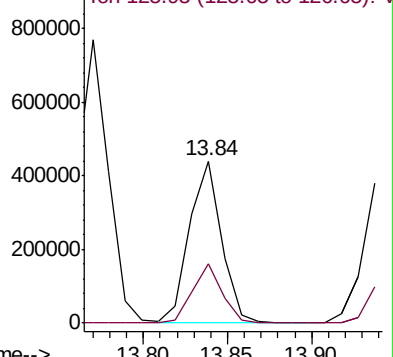
Ion Ratio Lower Upper

91 100

126 36.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#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

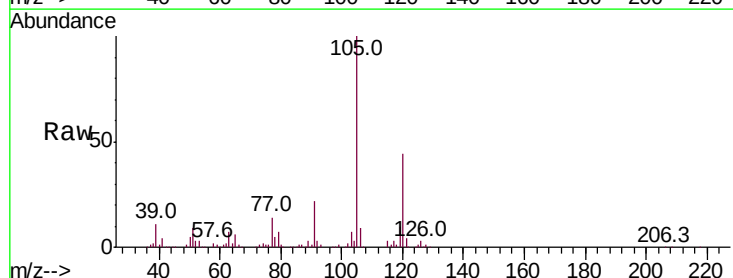
Acq: 15 Aug 2019 14:39

Tgt Ion:105 Resp: 740504

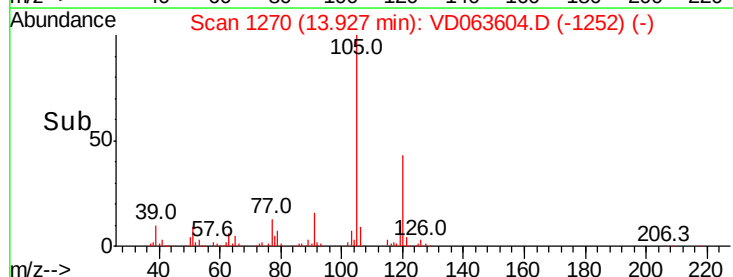
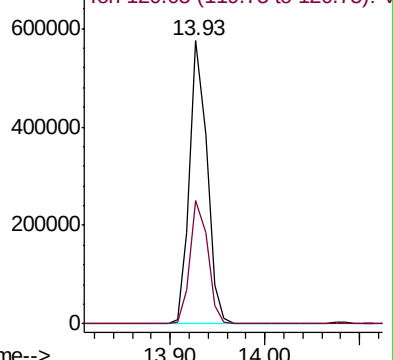
Ion Ratio Lower Upper

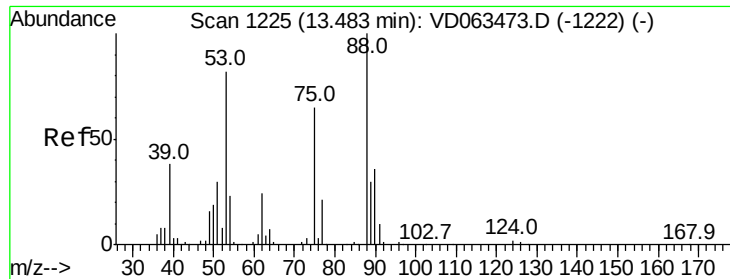
105 100

120 43.7 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

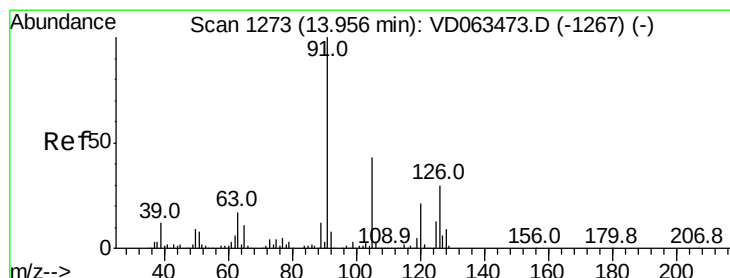
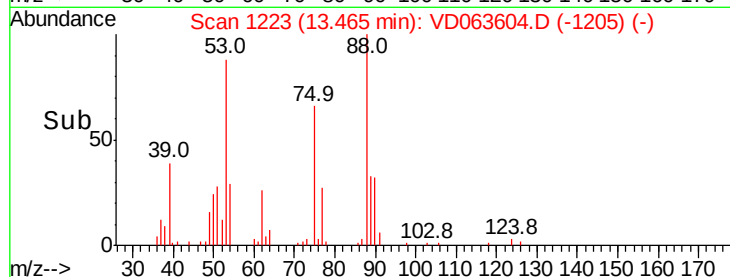
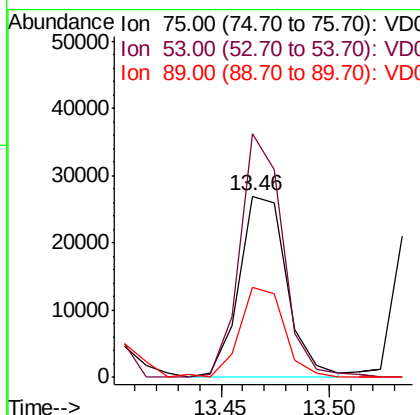
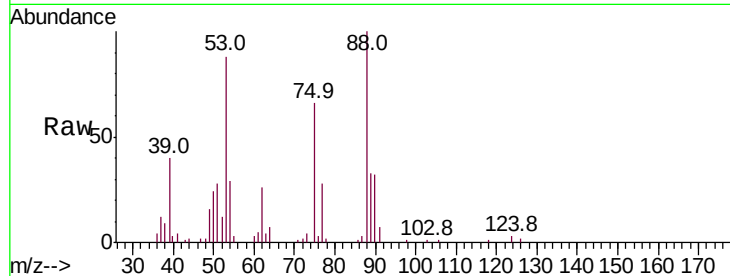




#81
trans-1,4-Dichloro-2-butene
Concen: 22.049 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

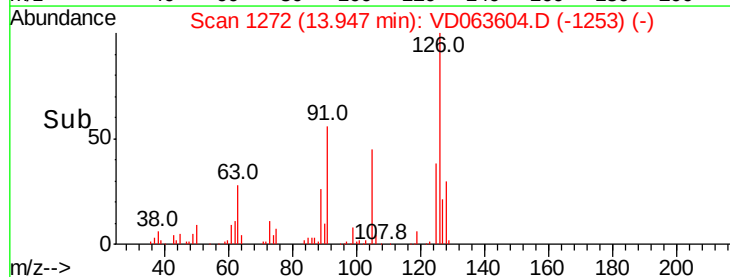
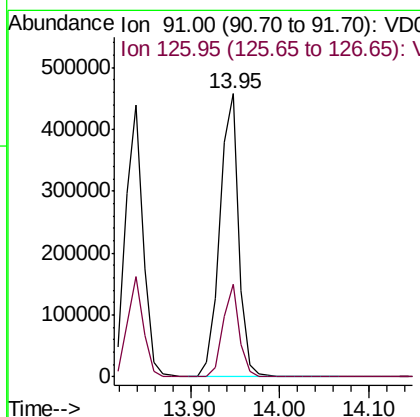
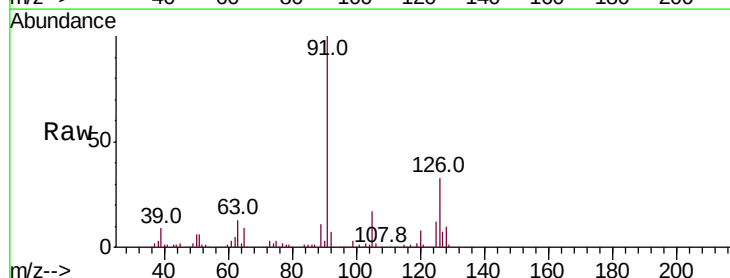
Instrument :
MSVOA_D
ClientSampleId :

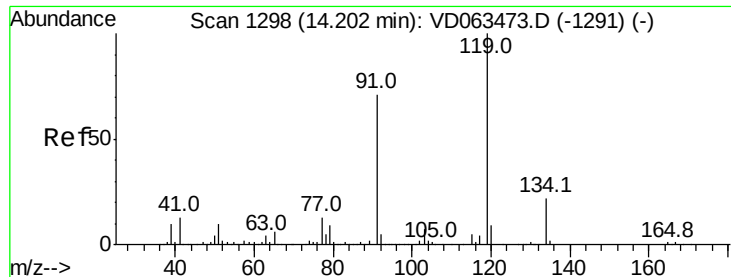
Tot Ion: 75 Resp: 41706
Ion Ratio Lower Upper
75 100
53 134.5 101.0 151.4
89 50.0 37.0 55.6



#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

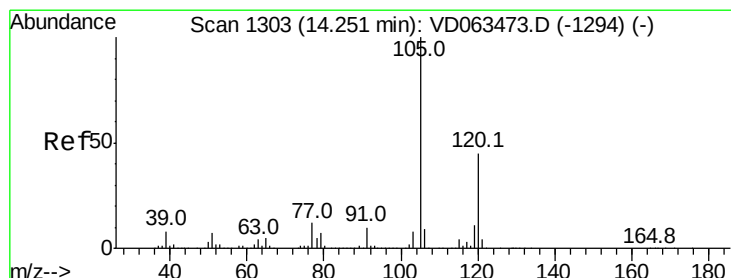
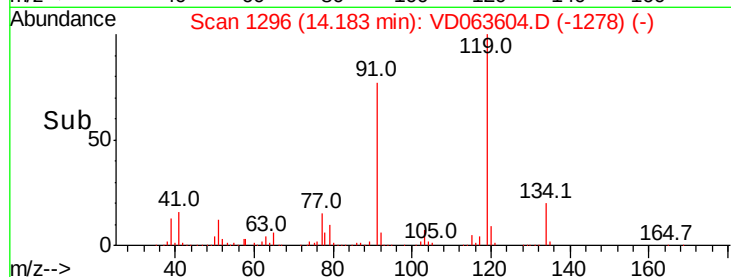
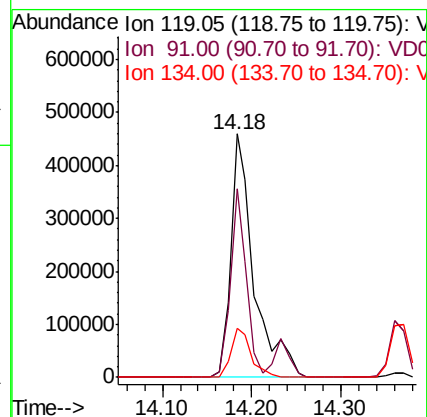
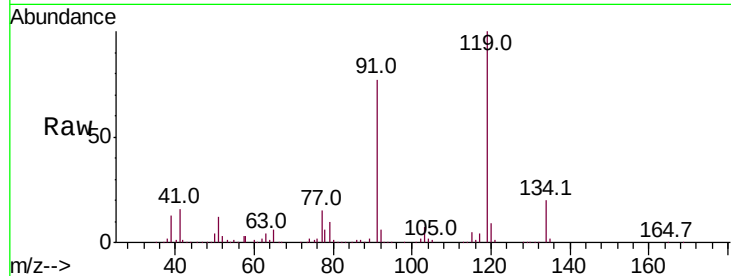




#83
 tert-Butylbenzene
 Concen: 23.419 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

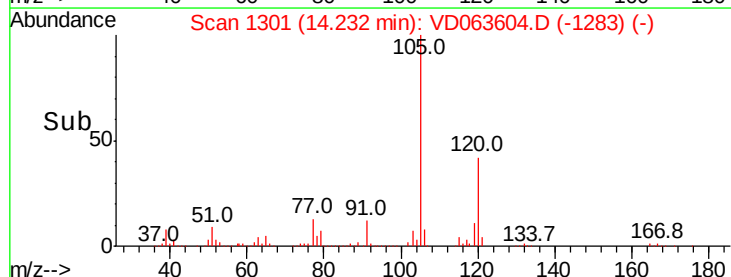
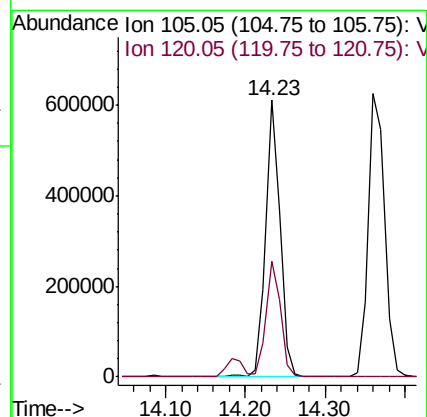
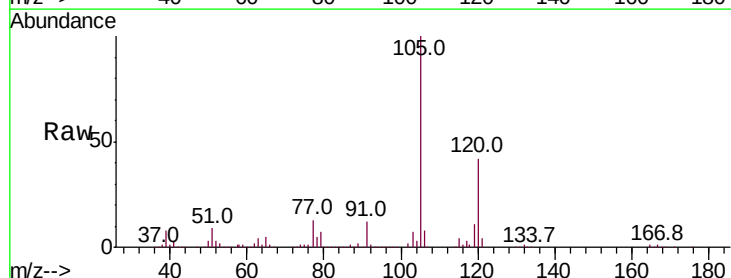
Instrument :
 MSVOA_D
 ClientSampleId :

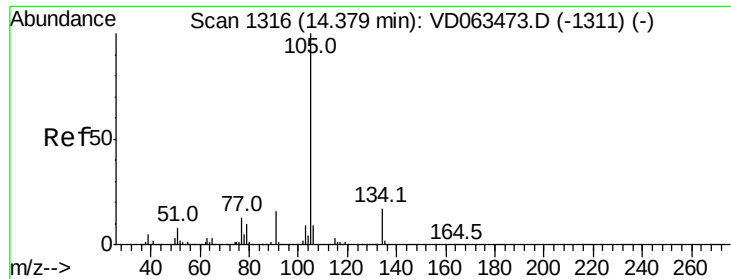
Tot Ion:119 Resp: 840425
 Ion Ratio Lower Upper
 119 100
 91 77.5 35.5 106.7
 134 19.9 11.1 33.1



#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

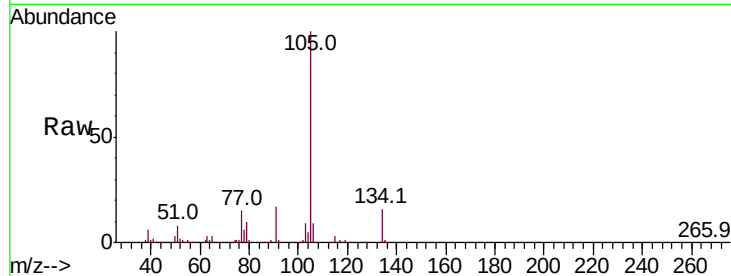
ClientSampleId :

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

14.36

600000

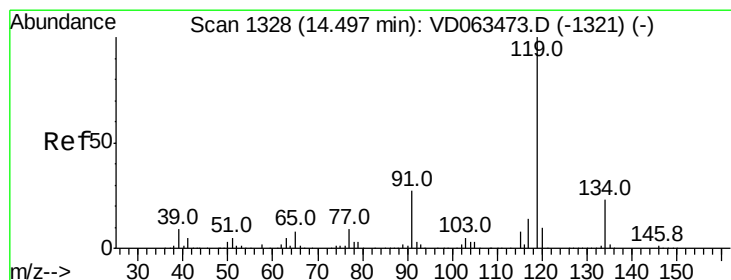
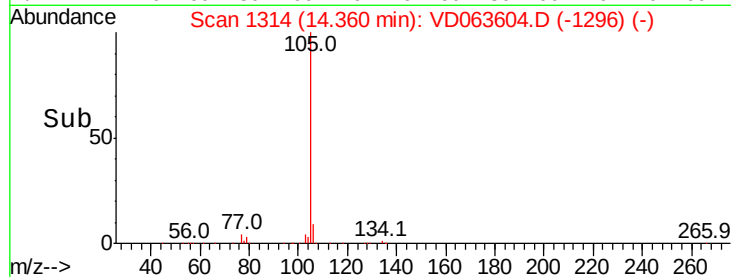
400000

200000

0

14.30 14.40

Time-->



#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

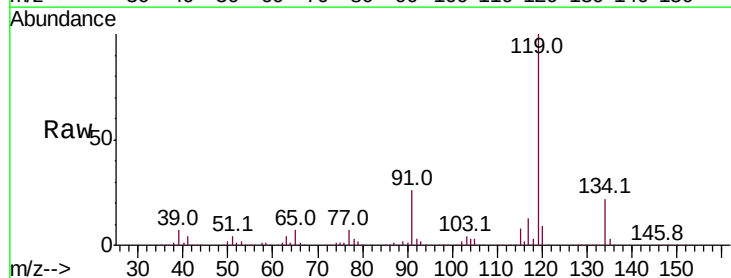
Tgt Ion:119 Resp: 847288

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

1000000

800000

600000

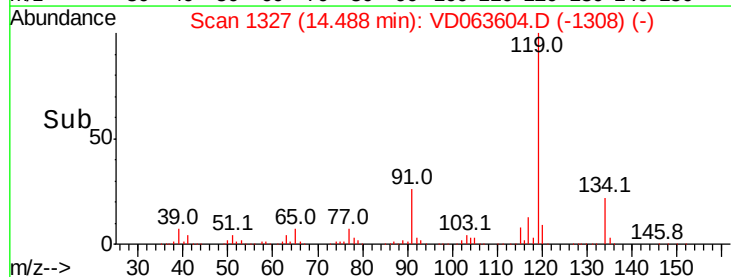
400000

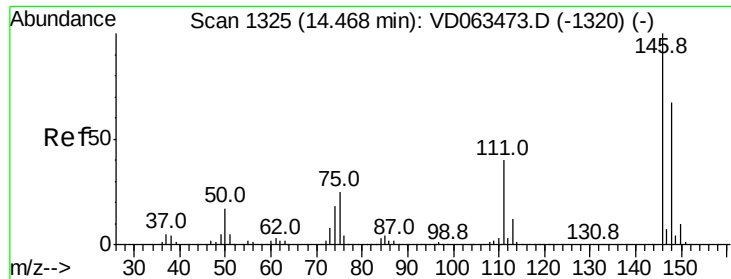
200000

0

14.40 14.50 14.60

Time-->

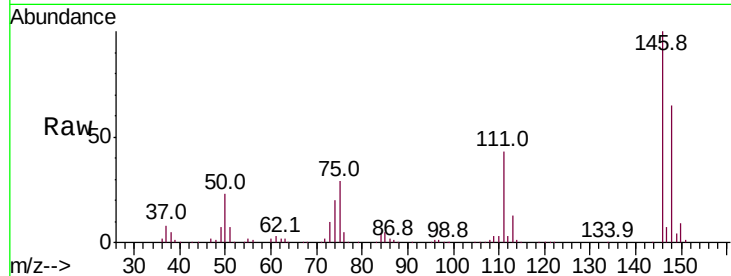




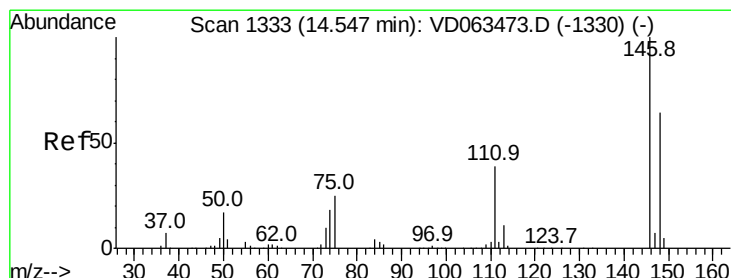
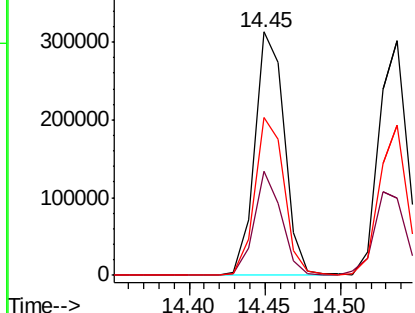
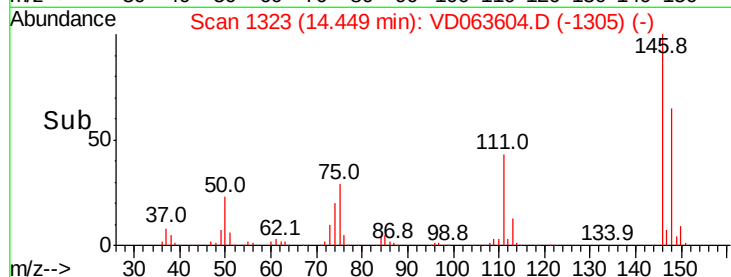
#87
 1,3-Dichlorobenzene
 Concen: 22.239 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

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

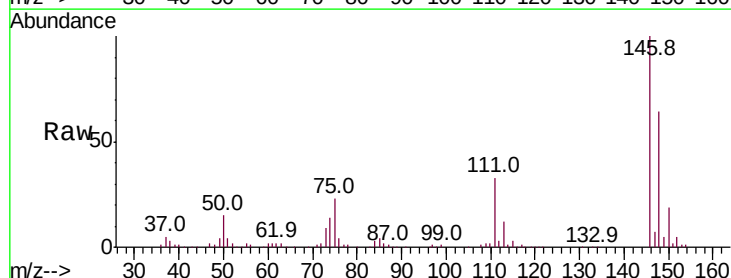


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

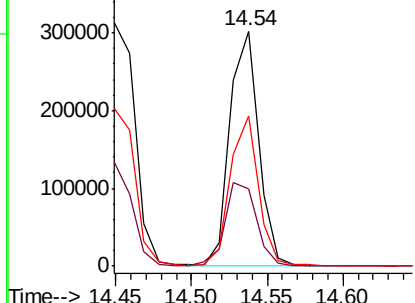
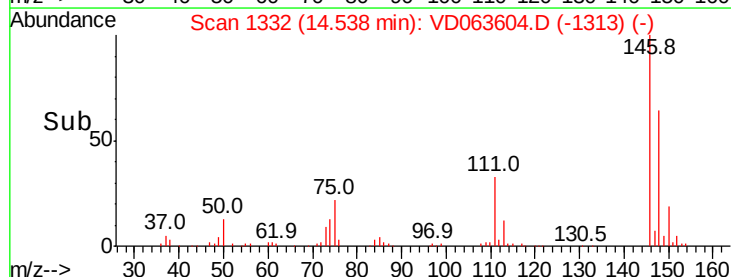


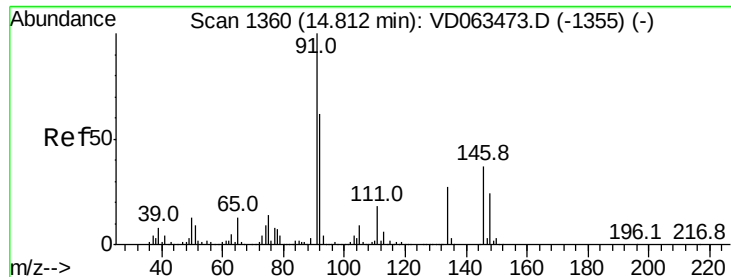
#88
 1,4-Dichlorobenzene
 Concen: 21.535 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

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 :

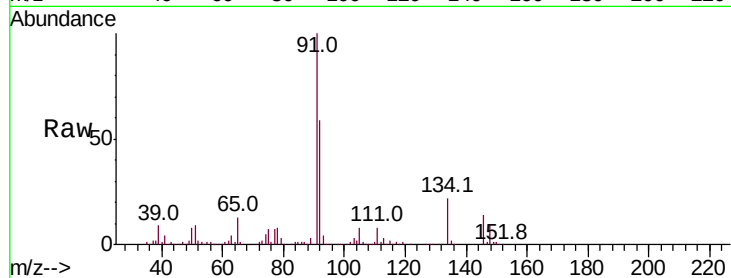
Tot Ion: 91 Resp: 739984

Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.8	92.3
134	22.0	13.4	40.2

91 100

92 58.8 30.8 92.3

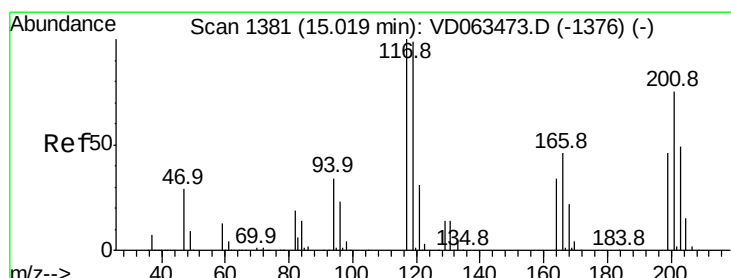
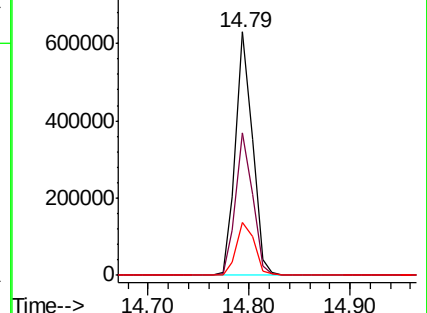
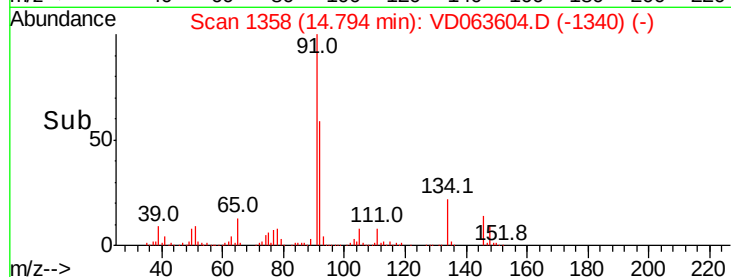
134 22.0 13.4 40.2



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

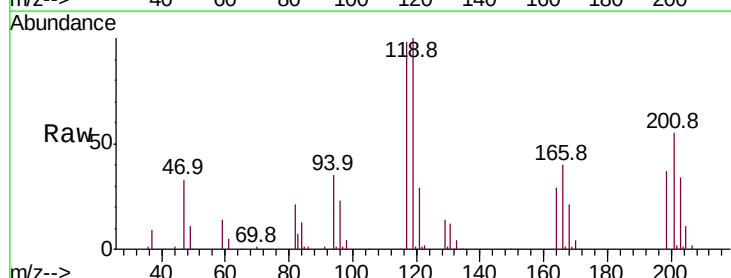
Acq: 15 Aug 2019 14:39

Tgt Ion: 117 Resp: 199333

Ion	Ratio	Lower	Upper
117	100		
201	55.7	37.5	112.5

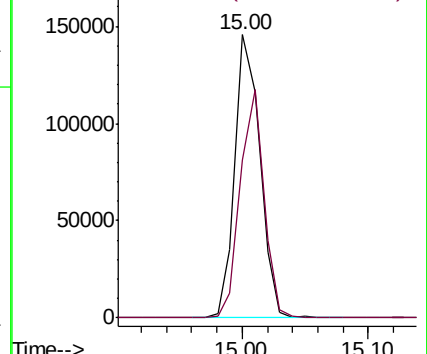
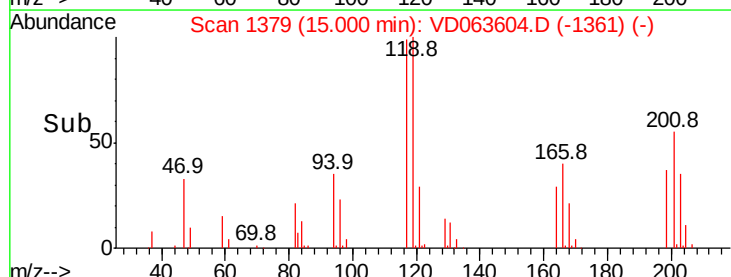
117 100

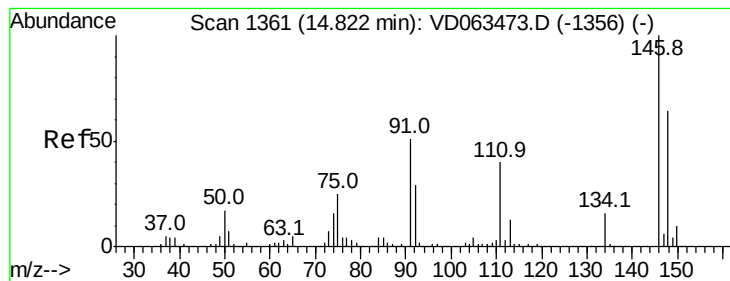
201 55.7 37.5 112.5



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 :

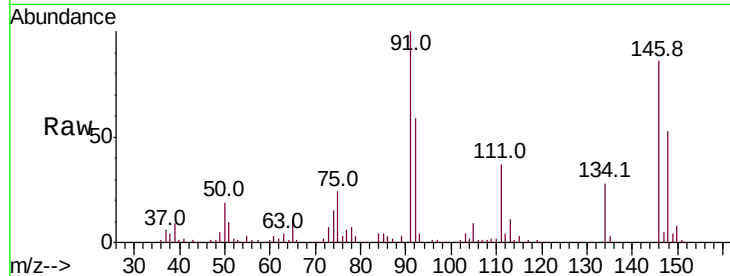
Tot Ion:146 Resp: 361110

Ion Ratio Lower Upper

146 100

111 43.1 20.2 60.6

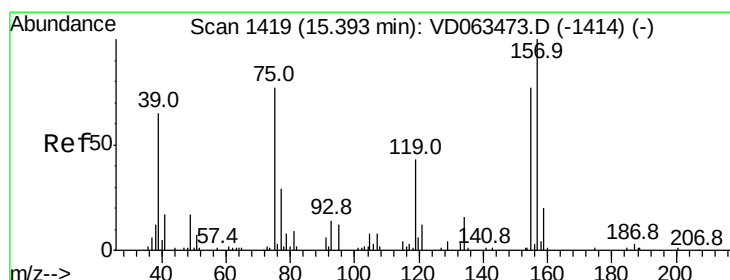
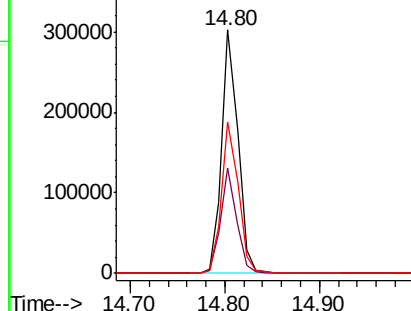
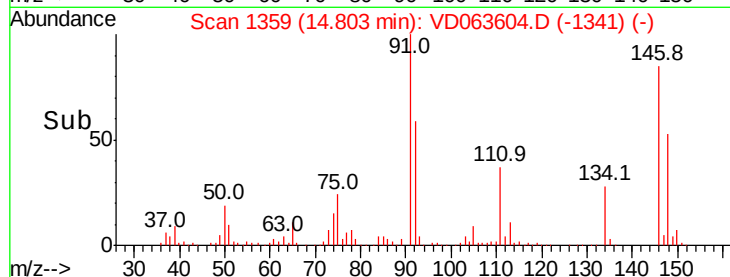
148 62.1 32.1 96.5



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



#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

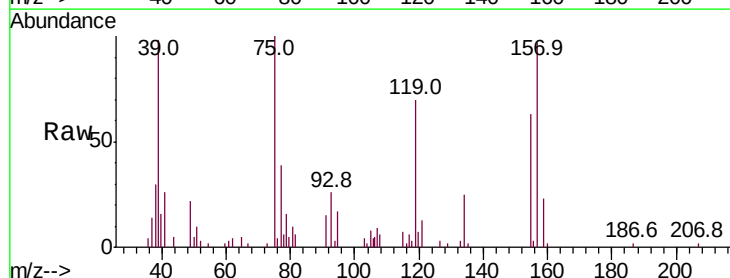
Tgt Ion: 75 Resp: 25659

Ion Ratio Lower Upper

75 100

155 62.9 50.1 150.3

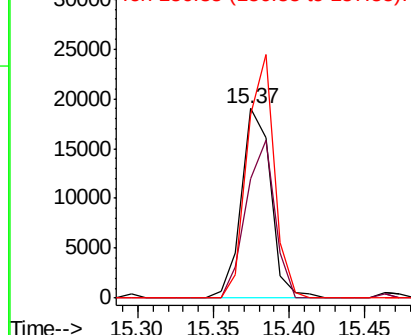
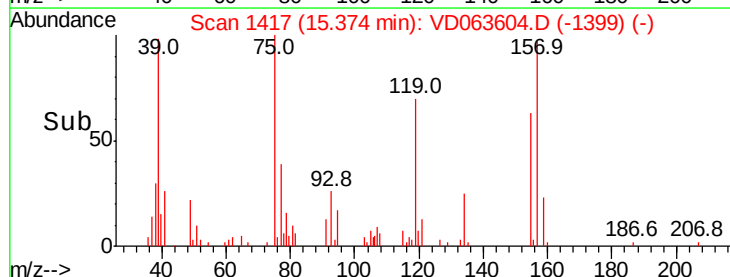
157 97.3 65.0 195.1

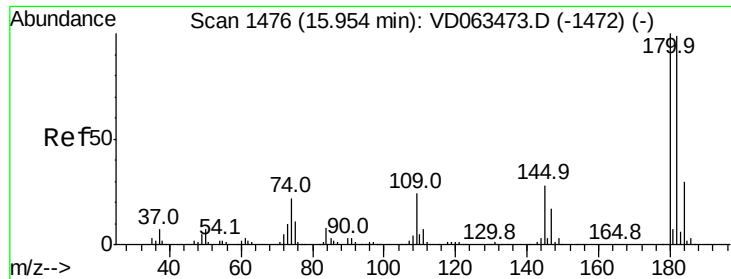


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

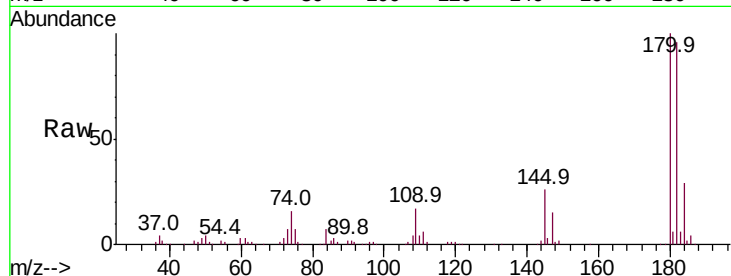




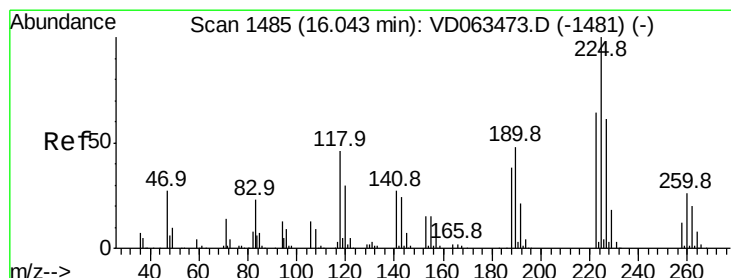
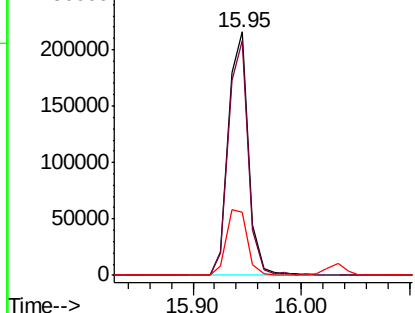
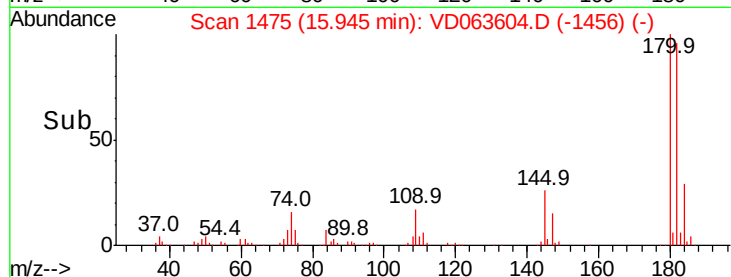
#93
 1,2,4-Trichlorobenzene
 Concen: 23.296 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleID :

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

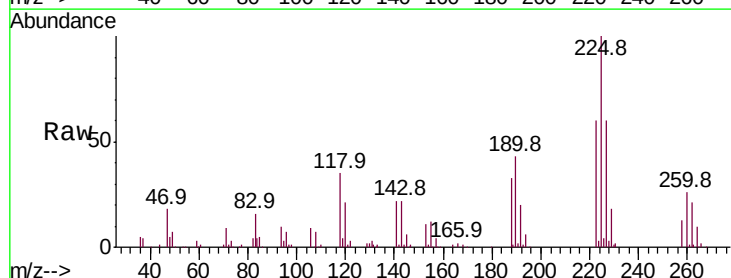


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

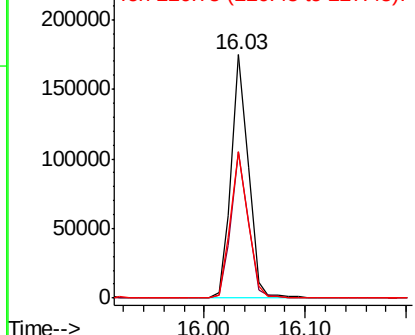
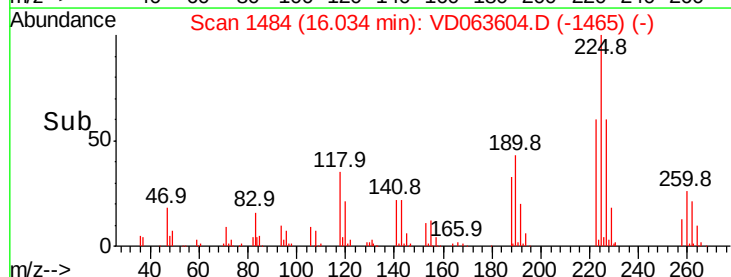


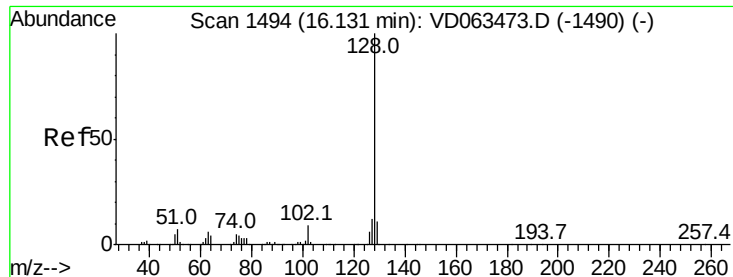
#94
 Hexachlorobutadiene
 Concen: 22.625 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063604.D
 Acq: 15 Aug 2019 14:39

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

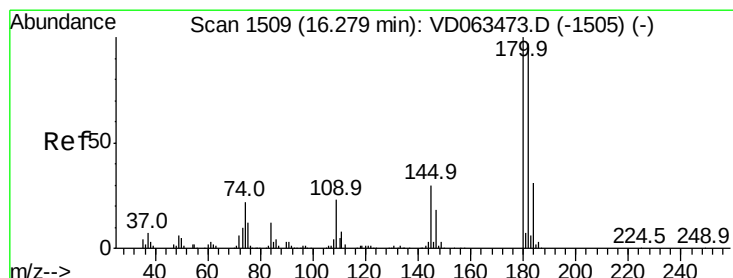
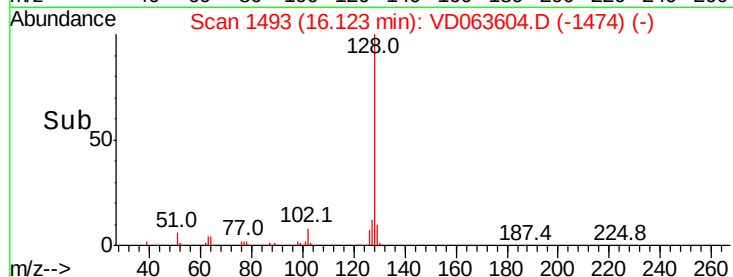
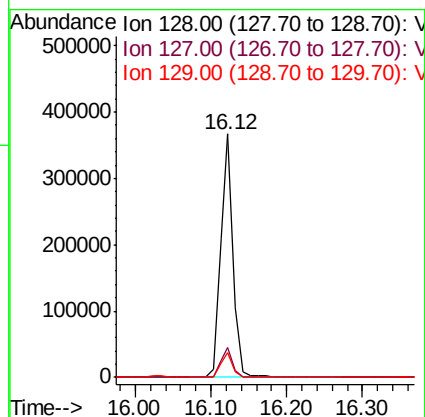
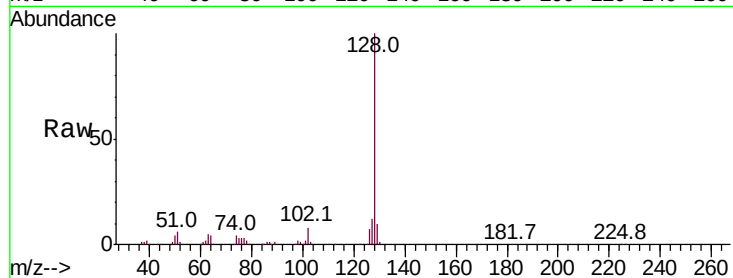




#95
Naphthalene
Concen: 23.234 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063604.D
Acq: 15 Aug 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

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



#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

