

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063551.D
 Acq On : 14 Aug 2019 3:29
 Operator : JC/SY
 Sample : VD0813SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:33:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	884282	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1204541	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1119725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	588048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	529017	55.97	ug/l	-0.01
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	6.93	113	580349	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	
50) Toluene-d8	10.42	98	1226814	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
62) 4-Bromofluorobenzene	13.56	95	567950	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	215421	20.136	ug/l	87
3) Chloromethane	1.75	50	185110	22.146	ug/l	99
4) Vinyl Chloride	1.84	62	164500	19.825	ug/l	90
5) Bromomethane	2.15	94	79953	20.421	ug/l	95
6) Chloroethane	2.26	64	75840	19.987	ug/l	97
7) Trichlorofluoromethane	2.53	101	334034	20.523	ug/l	93
8) Diethyl Ether	2.88	74	46385	20.185	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	198154	20.618	ug/l	92
10) Methyl Iodide	3.30	142	254139	18.689	ug/l	98
11) Tert butyl alcohol	4.08	59	46985	114.186	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	147766	20.680	ug/l	95
13) Acrolein	3.04	56	33004	81.487	ug/l #	72
14) Allyl chloride	3.62	41	218349	20.328	ug/l	97
15) Acrylonitrile	4.20	53	125041	114.726	ug/l	94
16) Acetone	3.23	43	183876	95.696	ug/l	98
17) Carbon Disulfide	3.37	76	434301	19.259	ug/l	99
18) Methyl Acetate	3.65	43	98965	27.192	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	337970	23.651	ug/l	99
20) Methylene Chloride	3.81	84	171162	20.600	ug/l	89
21) trans-1,2-Dichloroethene	4.22	96	155160	20.635	ug/l	96
22) Diisopropyl ether	5.12	45	489587	22.088	ug/l	97
23) Vinyl Acetate	5.06	43	1352021	104.922	ug/l	99
24) 1,1-Dichloroethane	4.98	63	306986	22.330	ug/l	98
25) 2-Butanone	6.08	43	201381	106.118	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	265248	19.371	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	182942	22.238	ug/l	93
28) Bromochloromethane	6.44	49	118384	21.247	ug/l	96
29) Tetrahydrofuran	6.47	42	101042	114.264	ug/l	96
30) Chloroform	6.67	83	392077	22.944	ug/l	98
31) Cyclohexane	6.95	56	163822	19.195	ug/l	86
32) 1,1,1-Trichloroethane	6.88	97	357211	21.853	ug/l	95
36) 1,1-Dichloropropene	7.15	75	233424	21.921	ug/l	96
37) Ethyl Acetate	6.19	43	103454	23.186	ug/l	98
38) Carbon Tetrachloride	7.12	117	340942	21.245	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	172688	19.072	ug/l	95
40) Benzene	7.46	78	497007	21.209	ug/l	96
41) Methacrylonitrile	6.45	41	126044	22.435	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	275279	23.363	ug/l	98
43) Isopropyl Acetate	9.25	43	133121	22.276	ug/l #	96
44) Trichloroethene	8.55	130	206699	23.077	ug/l	97
45) 1,2-Dichloropropane	8.94	63	136267	24.971	ug/l	95
46) Dibromomethane	9.07	93	115431	24.769	ug/l	84
47) Bromodichloromethane	9.39	83	311022	26.018	ug/l	99
48) Methyl methacrylate	9.13	41	92387	22.796	ug/l	97
49) 1,4-Dioxane	9.09	88	17676	501.063	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	476001	116.403	ug/l	97
52) Toluene	10.52	92	342623	22.700	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	239802	24.581	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	256796	23.345	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	122025	23.934	ug/l	96
56) Ethyl methacrylate	11.05	69	130352	23.555	ug/l	93
57) 1,3-Dichloropropane	11.41	76	171577	22.263	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	297528	101.841	ug/l	98
59) 2-Hexanone	11.54	43	356182	119.707	ug/l	100
60) Dibromochloromethane	11.69	129	226719	24.438	ug/l	96
61) 1,2-Dibromoethane	11.82	107	147983	23.976	ug/l	99
64) Tetrachloroethene	11.27	164	187171	21.653	ug/l	93
65) Chlorobenzene	12.41	112	457400	21.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	216785	23.472	ug/l	93
67) Ethyl Benzene	12.53	91	794719	21.779	ug/l	100
68) m/p-Xylenes	12.66	106	520611	40.609	ug/l	93
69) o-Xylene	13.05	106	252633	20.475	ug/l	94
70) Styrene	13.08	104	461963	21.048	ug/l	98
71) Bromoform	13.23	173	142113	22.440	ug/l	96
73) Isopropylbenzene	13.40	105	725254	19.390	ug/l	95
74) N-amyl acetate	13.26	43	190465	20.285	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	140298	22.599	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	147317	21.828	ug/l	98
77) Bromobenzene	13.68	156	228598	22.362	ug/l	86
78) n-propylbenzene	13.78	91	924182	21.118	ug/l	96
79) 2-Chlorotoluene	13.84	91	522458	20.706	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	675528	20.671	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	35147	19.376	ug/l	95
82) 4-Chlorotoluene	13.95	91	630376	20.775	ug/l	95
83) tert-Butylbenzene	14.19	119	727568	21.142	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	604759	20.000	ug/l	95
85) sec-Butylbenzene	14.37	105	787800	21.556	ug/l	97
86) p-Isopropyltoluene	14.49	119	766487	21.935	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	382351	20.678	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	395657	22.303	ug/l	97
89) n-Butylbenzene	14.80	91	597822	18.745	ug/l	95
90) Hexachloroethane	15.01	117	196288	22.348	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	332085	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24635	21.074	ug/l	78

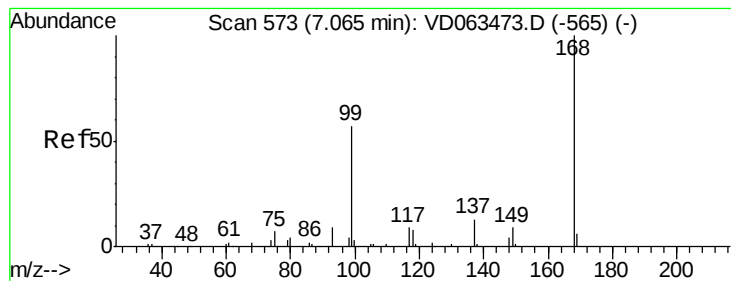
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	250290	21.682	ug/l	93
94) Hexachlorobutadiene	16.04	225	185717	21.110	ug/l	98
95) Naphthalene	16.13	128	376720	21.534	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	197330	21.165	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

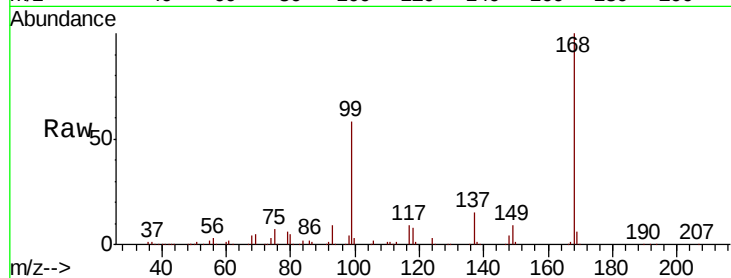
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 884282

Ion Ratio Lower Upper

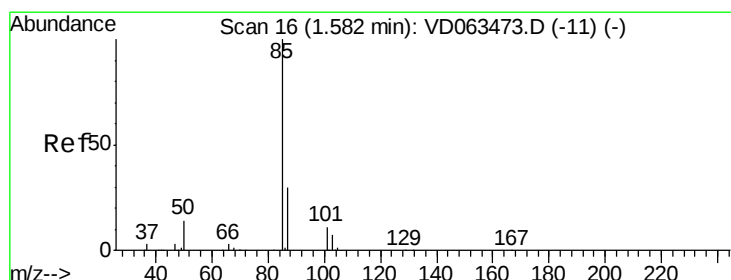
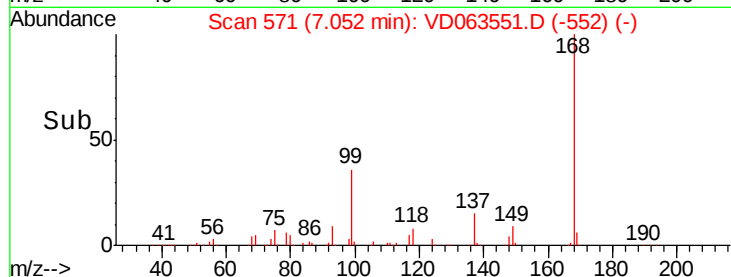
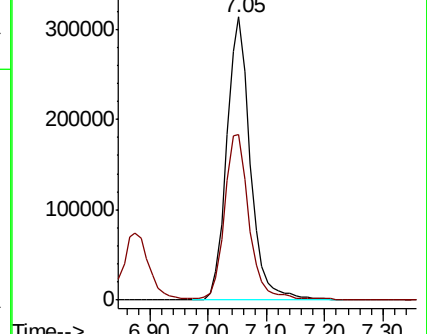
168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.136 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063551.D

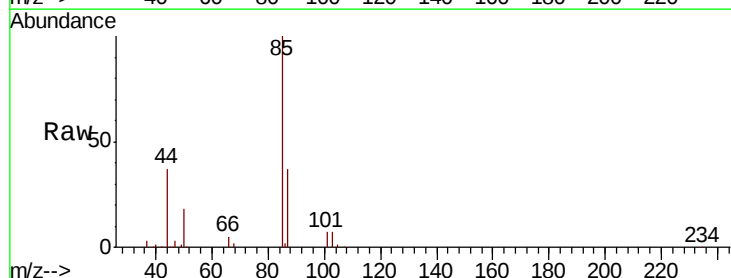
Acq: 14 Aug 2019 3:29

Tgt Ion: 85 Resp: 215421

Ion Ratio Lower Upper

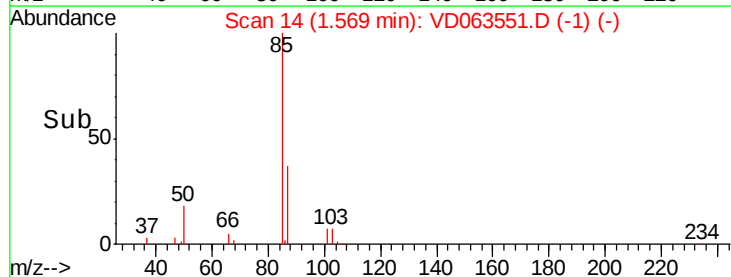
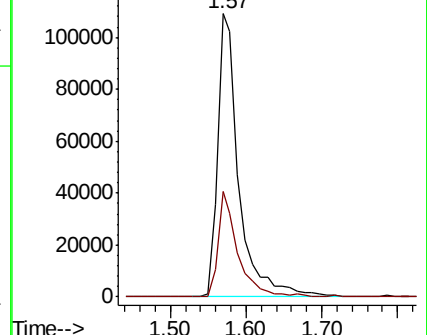
85 100

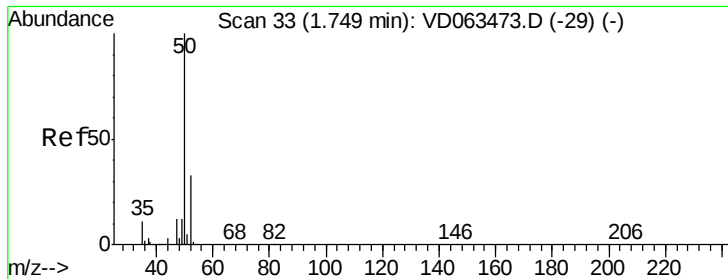
87 37.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.146 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

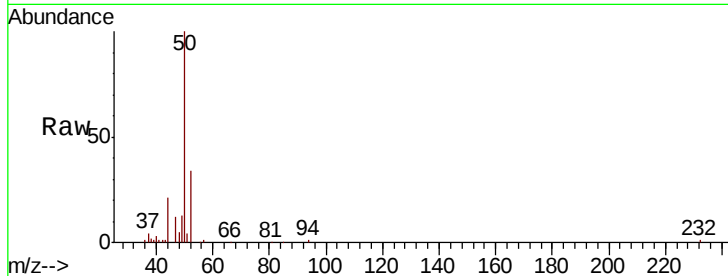
ClientSampleId :

Tot Ion: 50 Resp: 185110

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

80000

60000

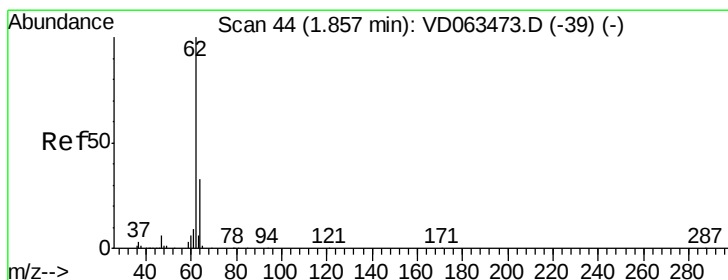
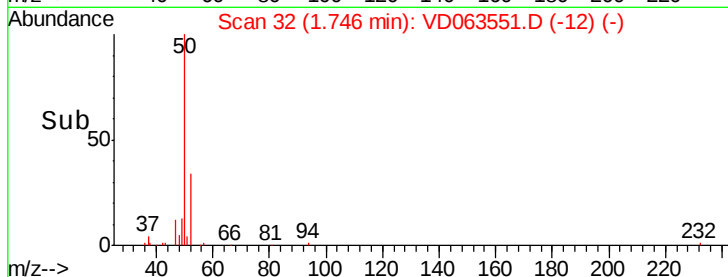
40000

20000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.825 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063551.D

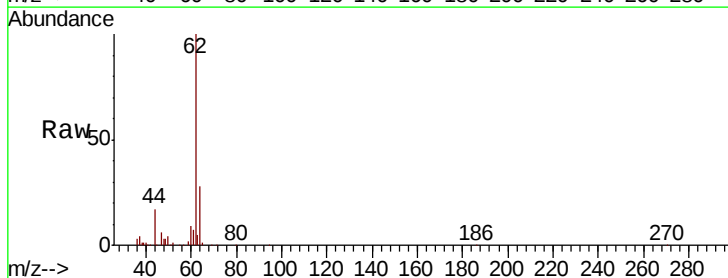
Acq: 14 Aug 2019 3:29

Tgt Ion: 62 Resp: 164500

Ion Ratio Lower Upper

62 100

64 27.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

100000

80000

60000

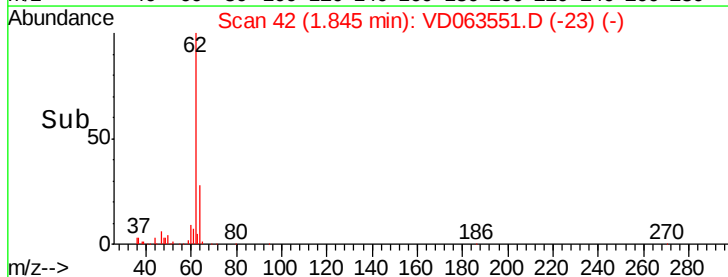
40000

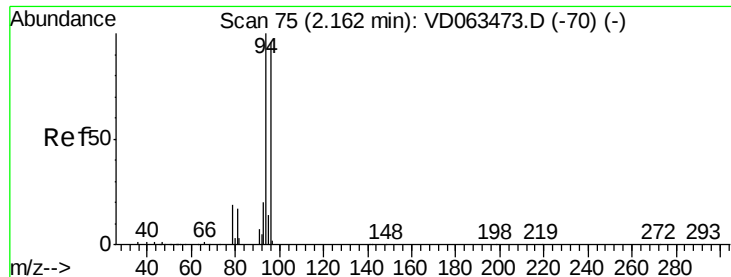
20000

0

Time-->

1.80 1.90 2.00





#5

Bromomethane

Concen: 20.421 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

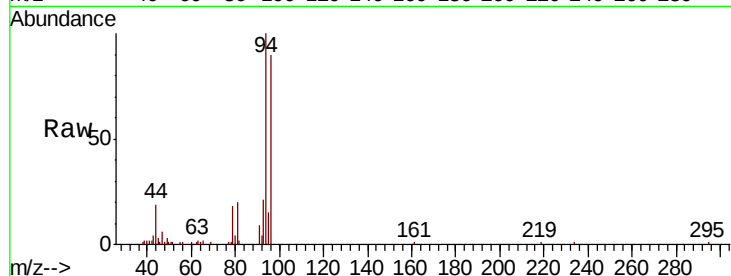
Tot Ion: 94 Resp: 79953

Ion Ratio Lower Upper

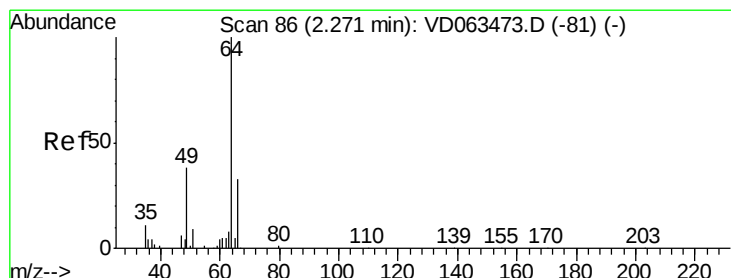
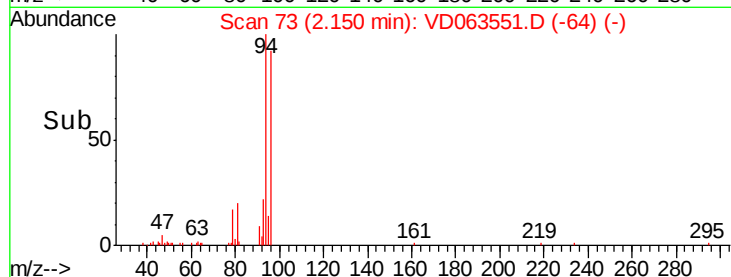
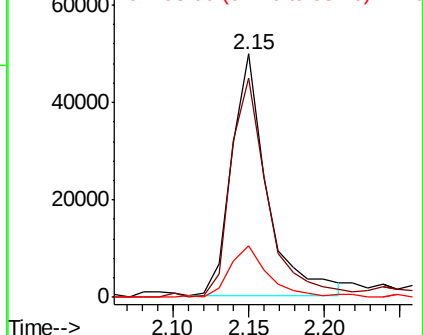
94 100

96 90.3 76.5 114.7

93 21.4 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: 19.987 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063551.D

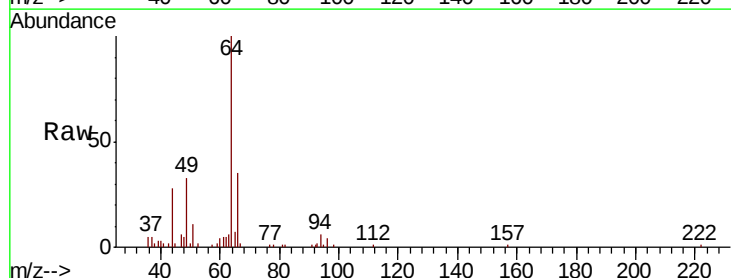
Acq: 14 Aug 2019 3:29

Tgt Ion: 64 Resp: 75840

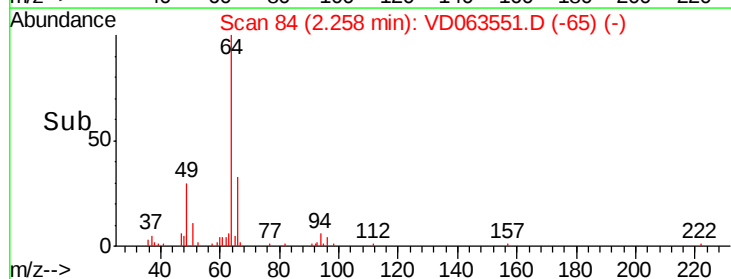
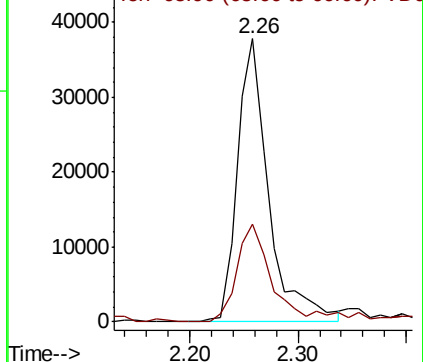
Ion Ratio Lower Upper

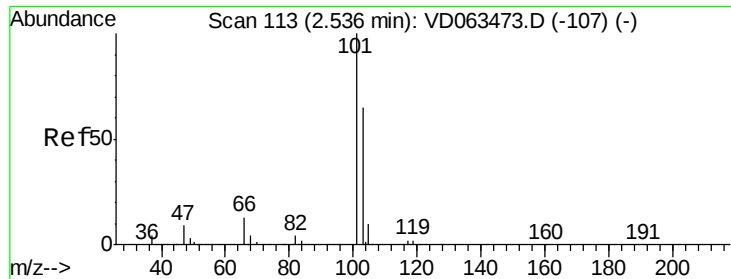
64 100

66 34.6 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



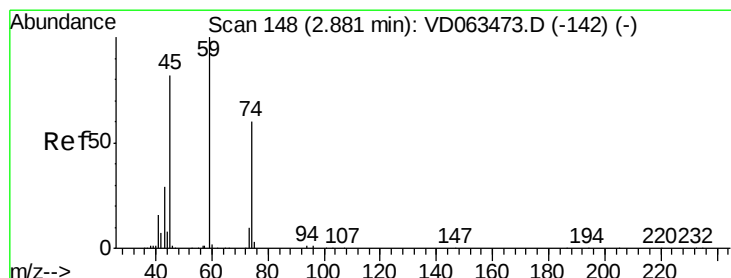
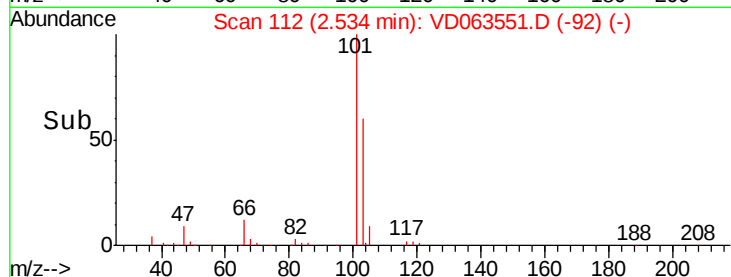
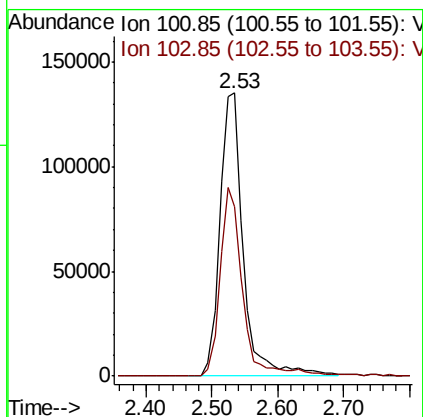
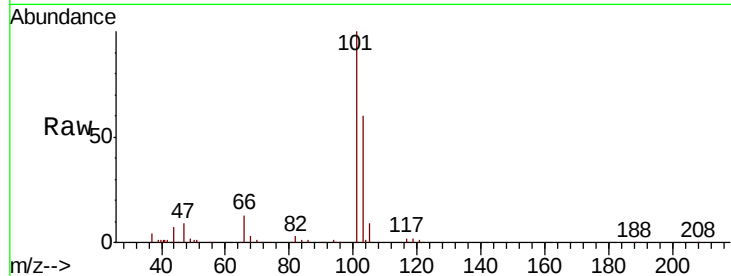


#7

Trichlorofluoromethane
Concen: 20.523 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

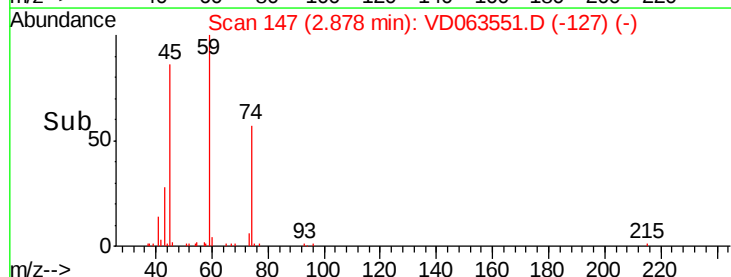
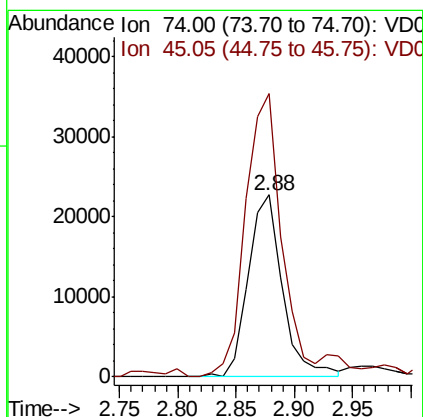
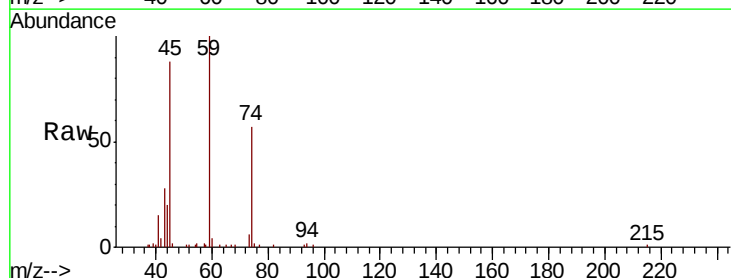
Tot Ion:101 Resp: 334034
Ion Ratio Lower Upper
101 100
103 60.0 52.2 78.4

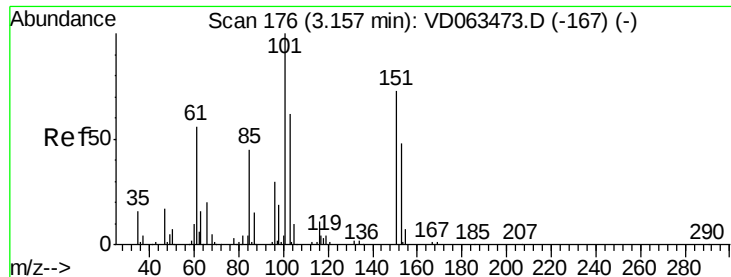


#8

Diethyl Ether
Concen: 20.185 ug/l
RT: 2.88 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 74 Resp: 46385
Ion Ratio Lower Upper
74 100
45 155.4 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.618 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampled :

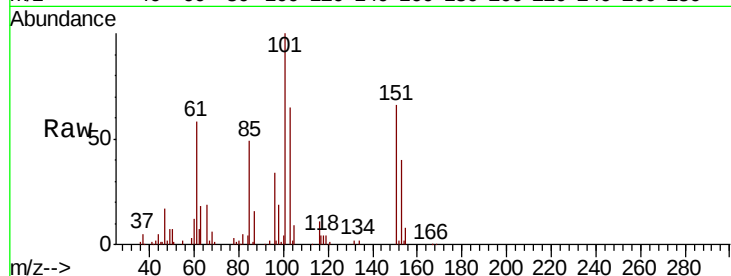
Tot Ion:101 Resp: 198154

Ion Ratio Lower Upper

101 100

85 49.0 35.8 53.6

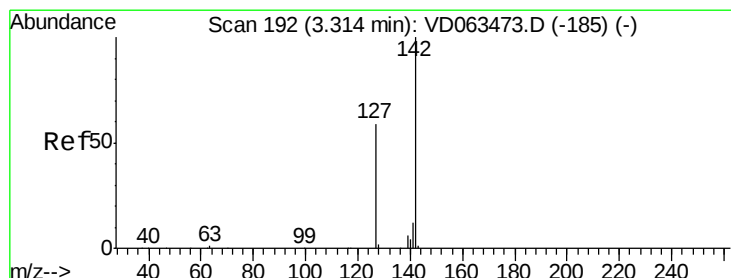
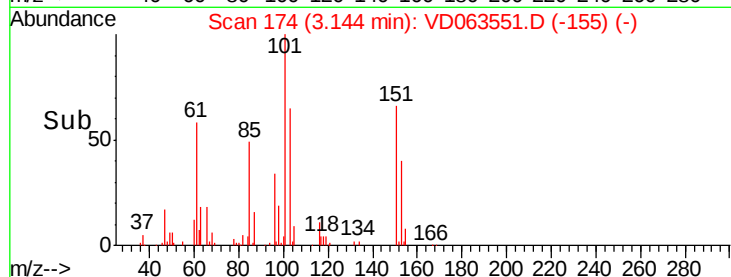
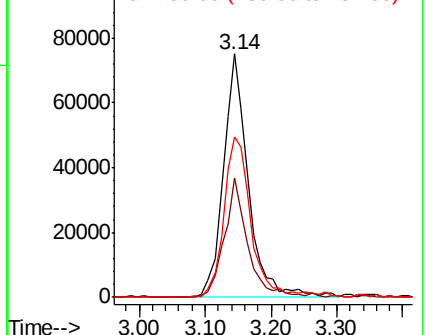
151 66.0 58.6 88.0



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: 18.689 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

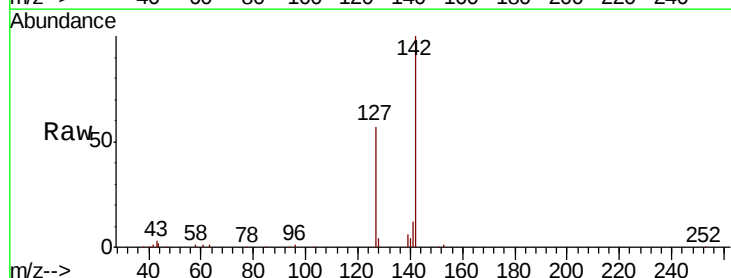
Tgt Ion:142 Resp: 254139

Ion Ratio Lower Upper

142 100

127 56.9 47.2 70.8

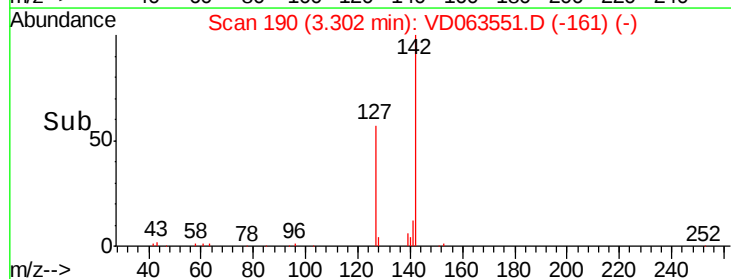
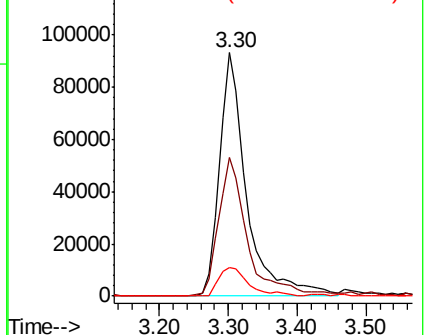
141 11.9 9.8 14.8

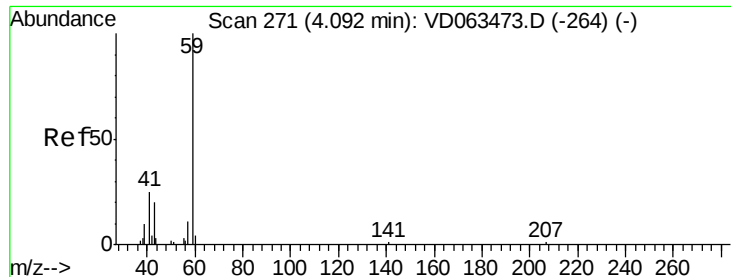


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



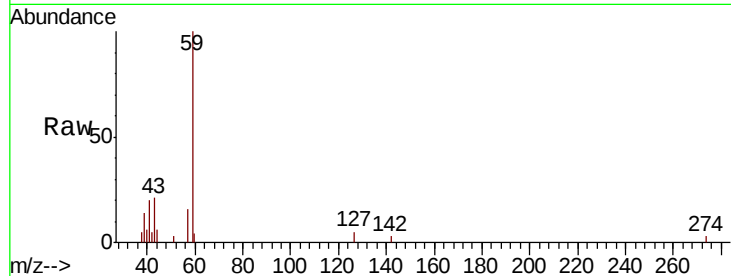


#11

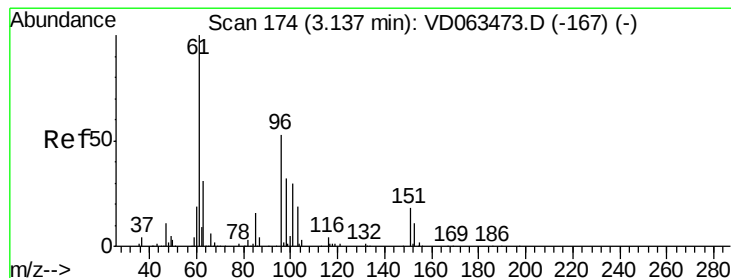
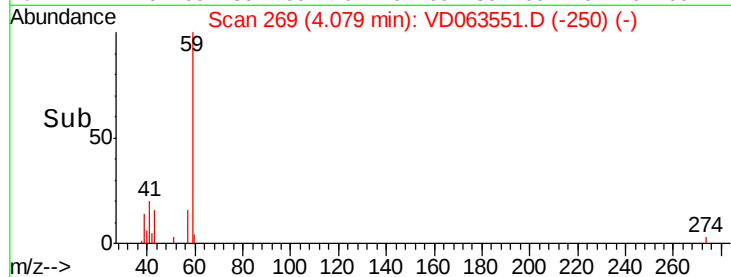
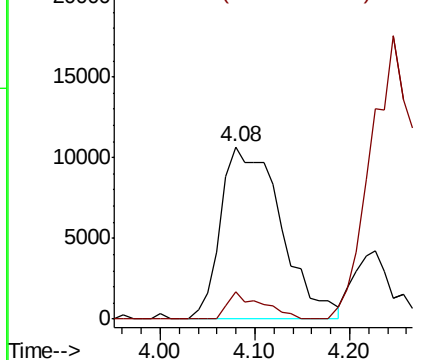
Tert butyl alcohol
 Concen: 114.186 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 46985
 Ion Ratio Lower Upper
 59 100
 57 15.8 8.7 13.1#



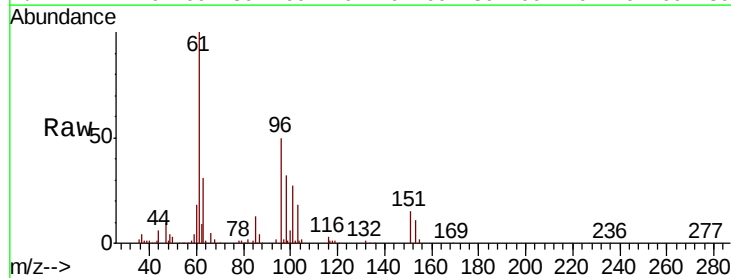
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



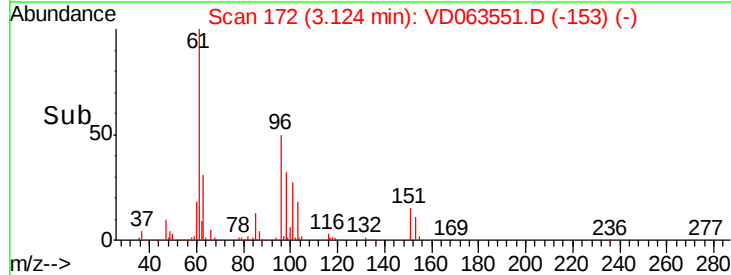
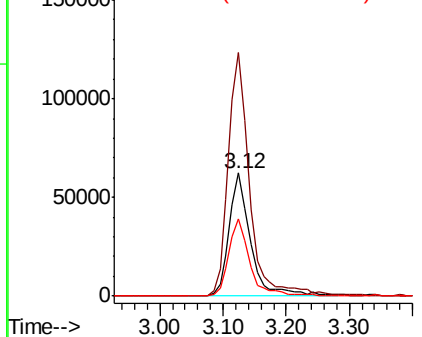
#12

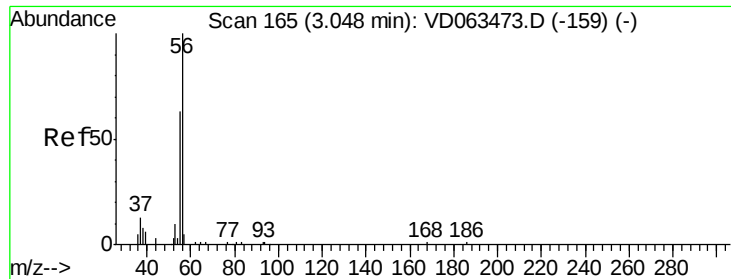
1,1-Dichloroethene
 Concen: 20.680 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 96 Resp: 147766
 Ion Ratio Lower Upper
 96 100
 61 198.2 151.7 227.5
 98 63.1 48.4 72.6



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





#13

Acrolein

Concen: 81.487 ug/l

RT: 3.04 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

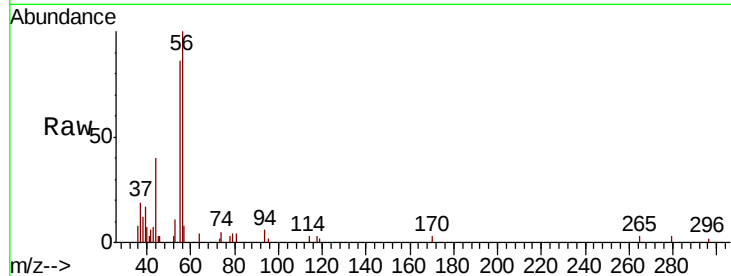
ClientSampleId :

Tot Ion: 56 Resp: 33004

Ion Ratio Lower Upper

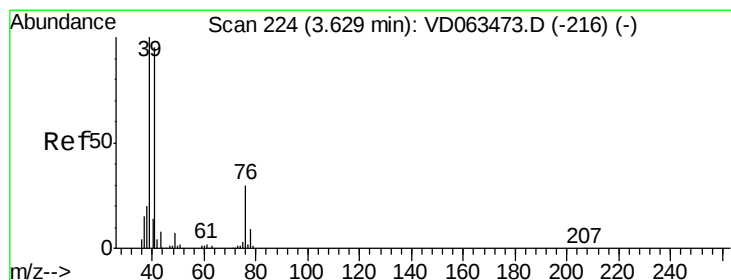
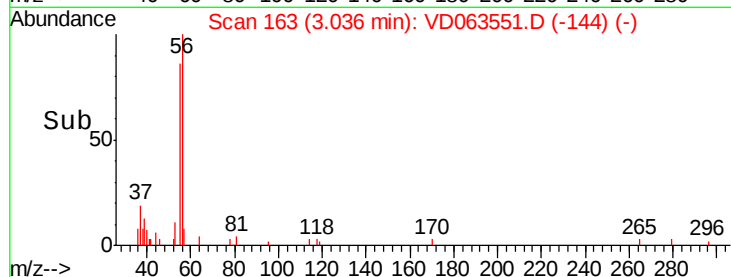
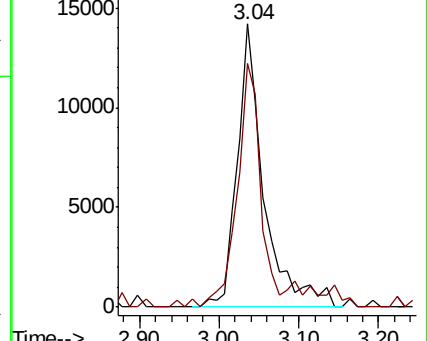
56 100

55 85.9 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.328 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

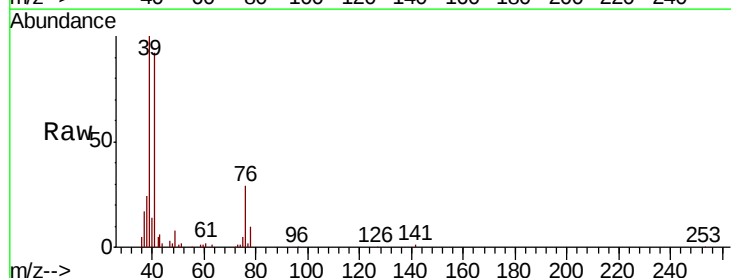
Tgt Ion: 41 Resp: 218349

Ion Ratio Lower Upper

41 100

39 109.2 84.2 126.4

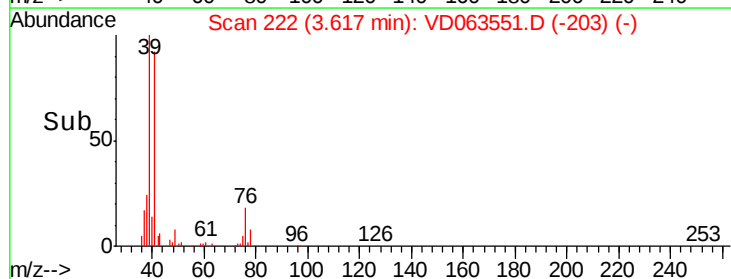
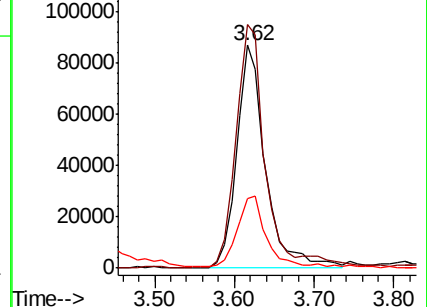
76 31.4 26.0 39.0

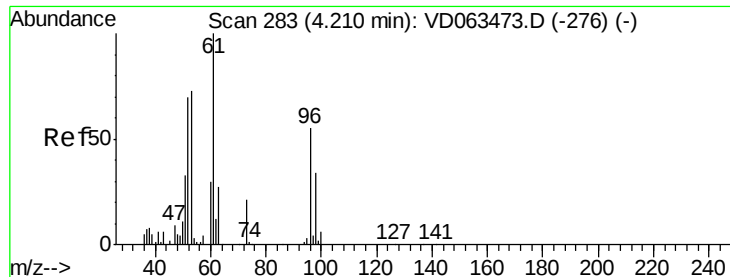


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 114.726 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

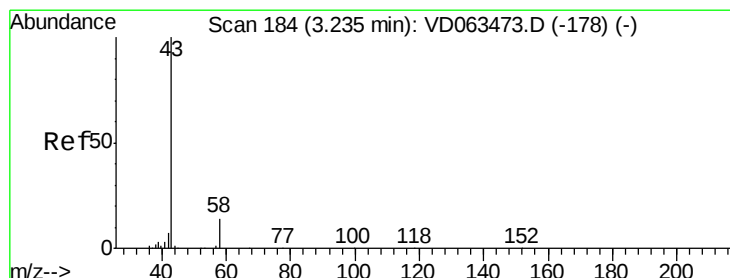
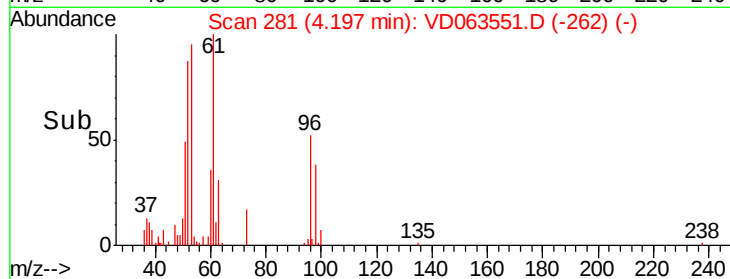
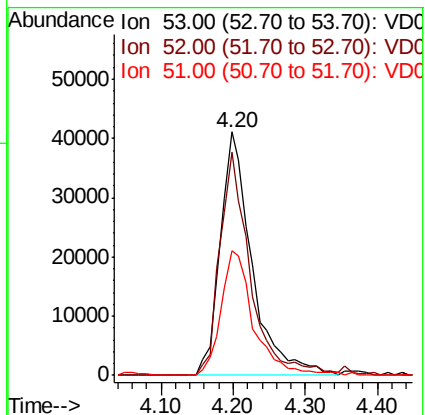
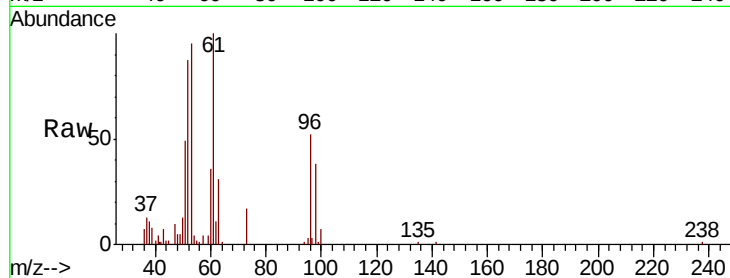
Tot Ion: 53 Resp: 125041

Ion Ratio Lower Upper

53 100

52 91.9 77.4 116.0

51 51.2 36.7 55.1



#16

Acetone

Concen: 95.696 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063551.D

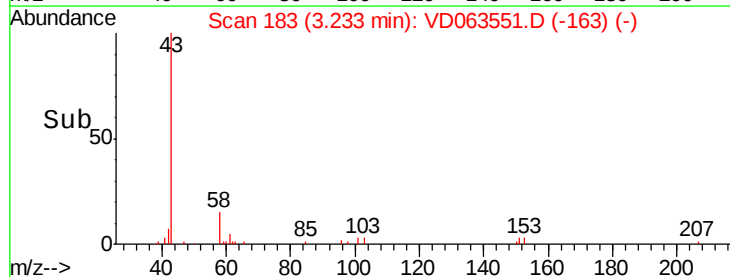
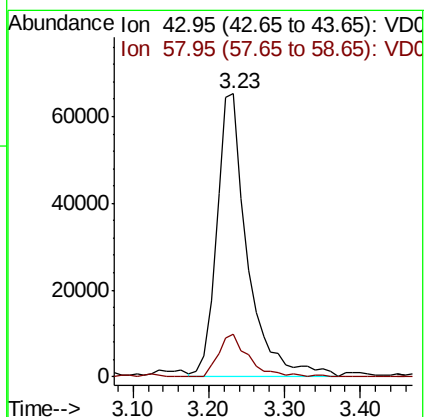
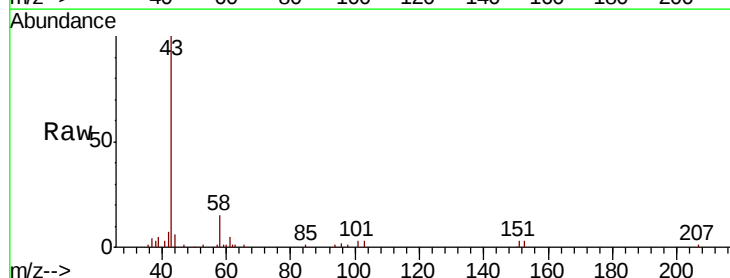
Acq: 14 Aug 2019 3:29

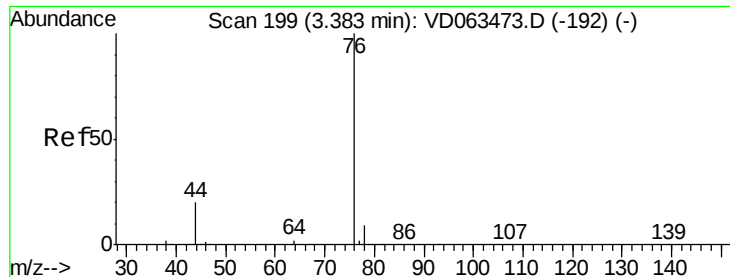
Tgt Ion: 43 Resp: 183876

Ion Ratio Lower Upper

43 100

58 15.2 11.4 17.2

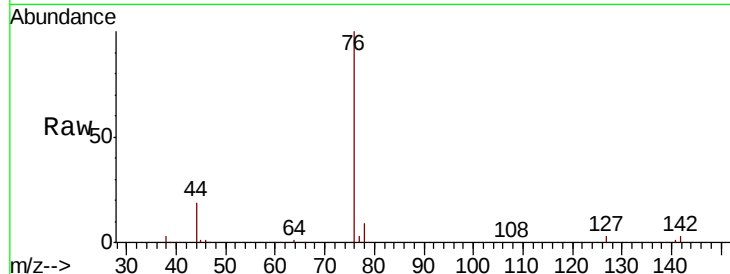




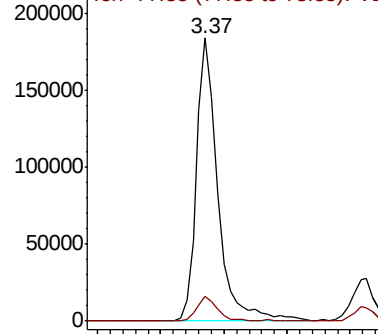
#17
Carbon Disulfide
Concen: 19.259 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

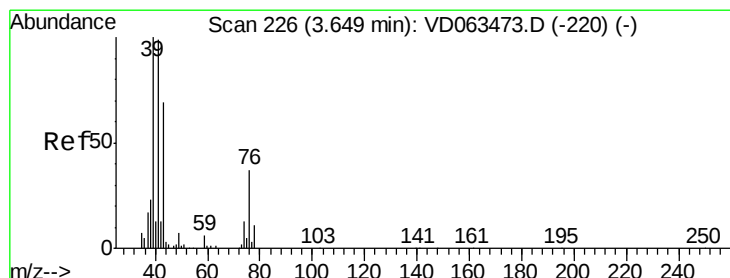
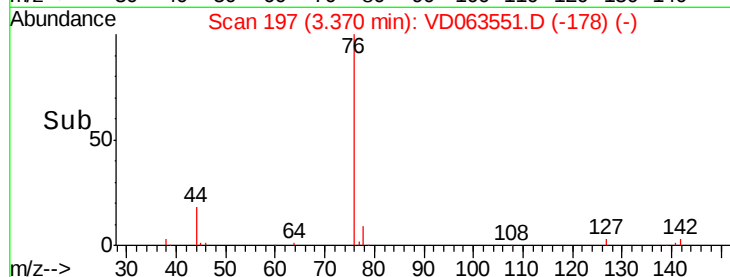
Tot Ion: 76 Resp: 434301
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

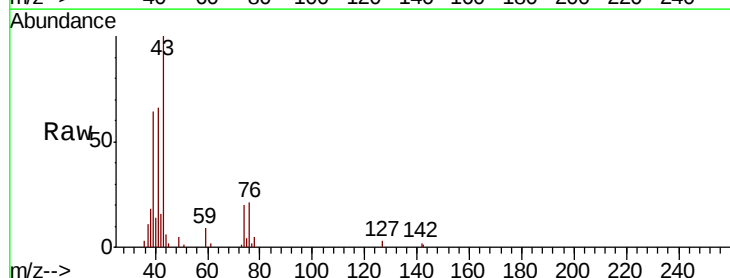


Time--> 3.20 3.30 3.40 3.50 3.60

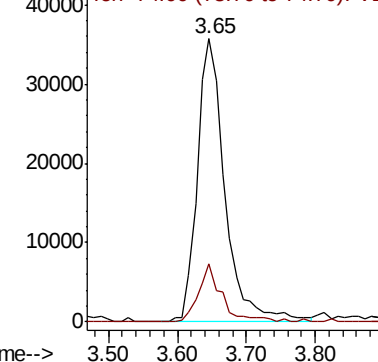


#18
Methyl Acetate
Concen: 27.192 ug/l
RT: 3.65 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

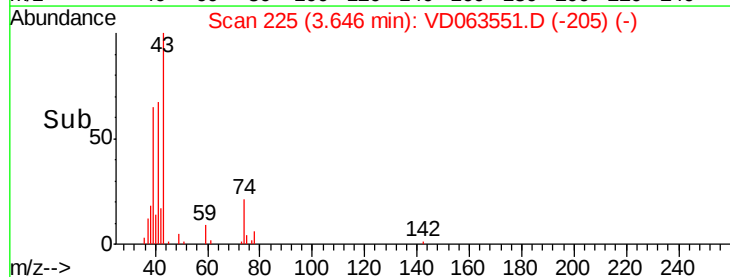
Tgt Ion: 43 Resp: 98965
Ion Ratio Lower Upper
43 100
74 20.3 15.4 23.2

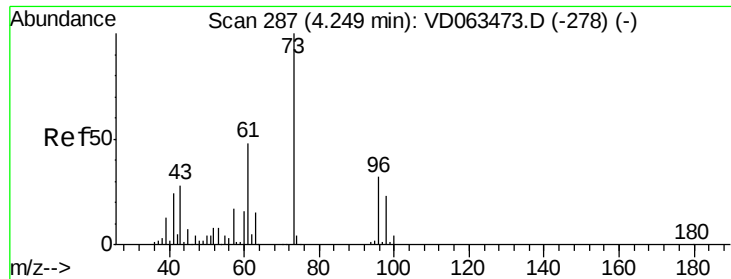


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80

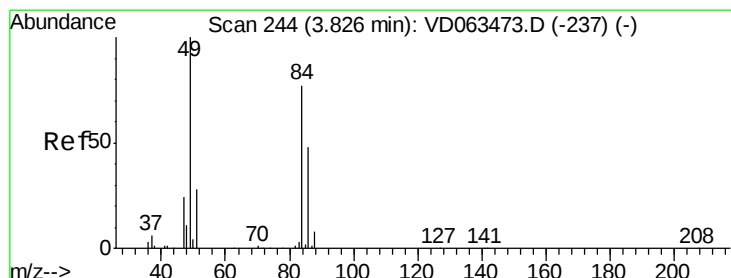
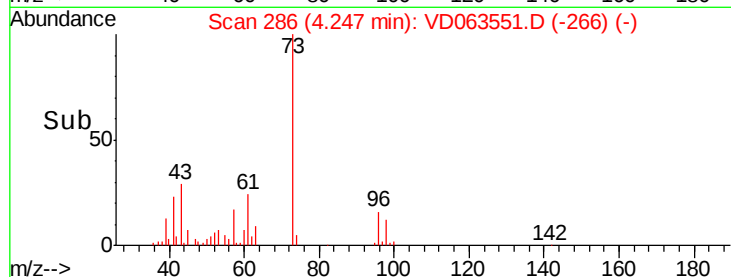
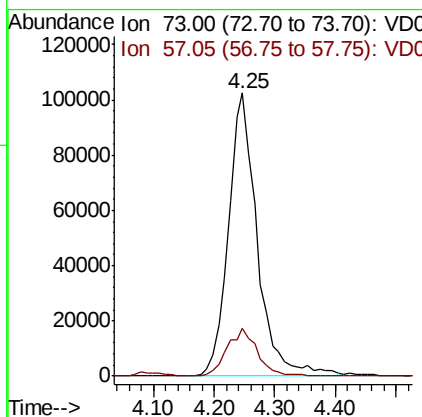
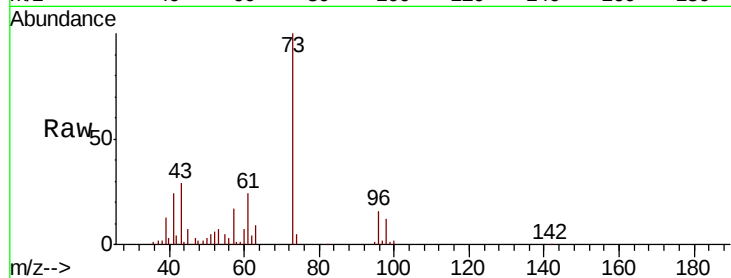




#19
Methyl tert-butyl Ether
Concen: 23.651 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

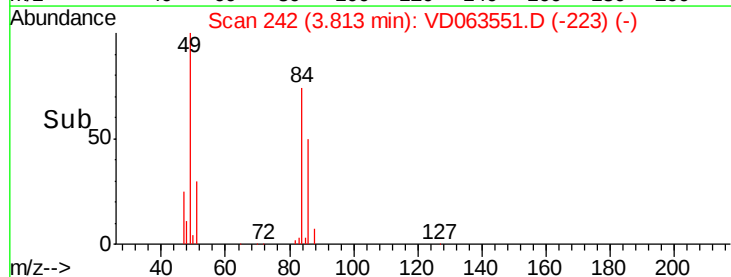
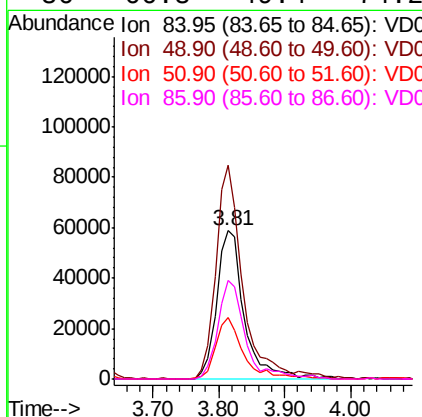
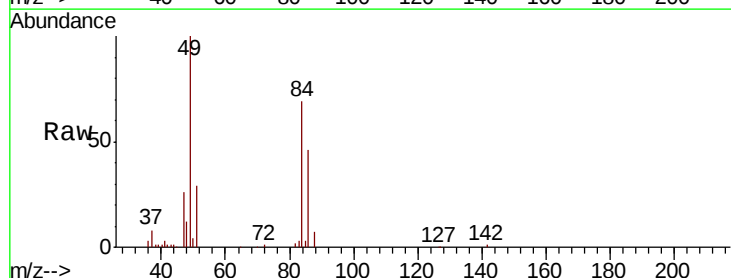
Instrument :
MSVOA_D
ClientSampled :

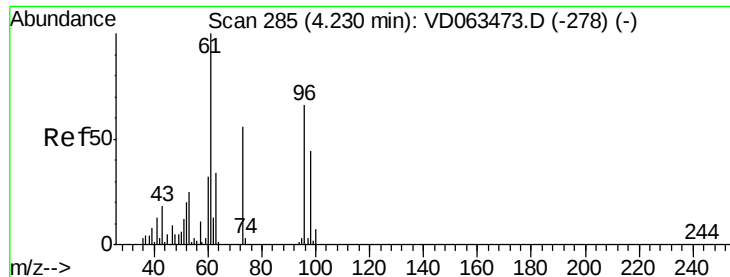
Tot Ion: 73 Resp: 337970
Ion Ratio Lower Upper
73 100
57 17.1 14.0 21.0



#20
Methylene Chloride
Concen: 20.600 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 84 Resp: 171162
Ion Ratio Lower Upper
84 100
49 144.4 103.4 155.2
51 41.9 28.5 42.7
86 66.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.635 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

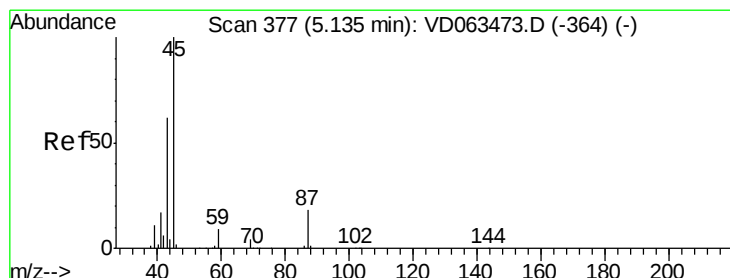
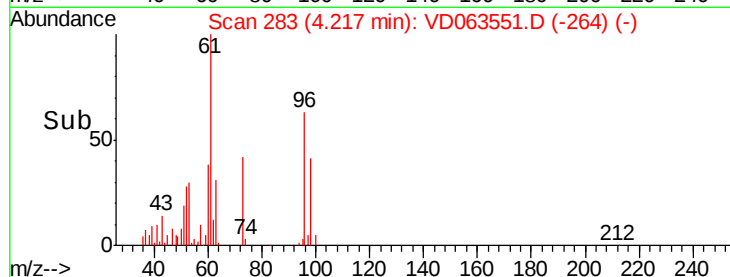
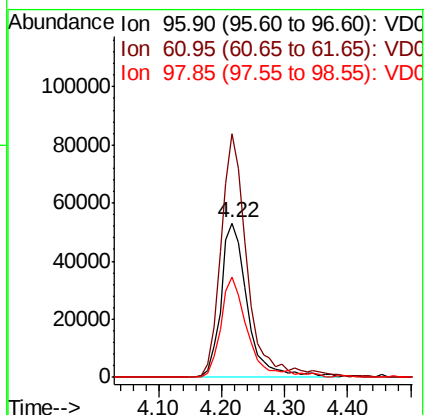
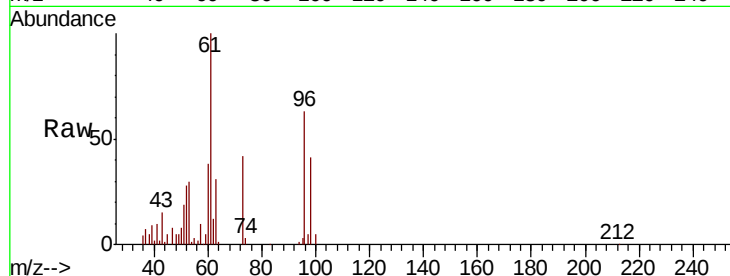
Tot Ion: 96 Resp: 155160

Ion Ratio Lower Upper

96 100

61 158.0 121.7 182.5

98 64.9 54.2 81.2



#22

Diisopropyl ether

Concen: 22.088 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Tgt Ion: 45 Resp: 489587

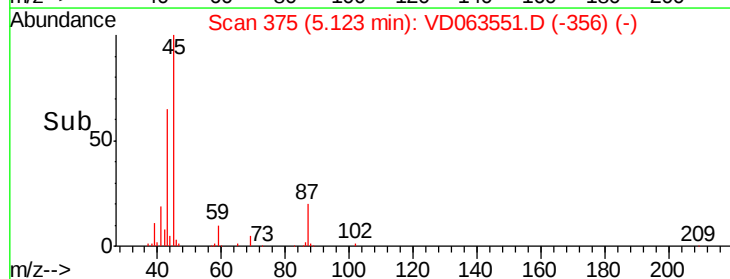
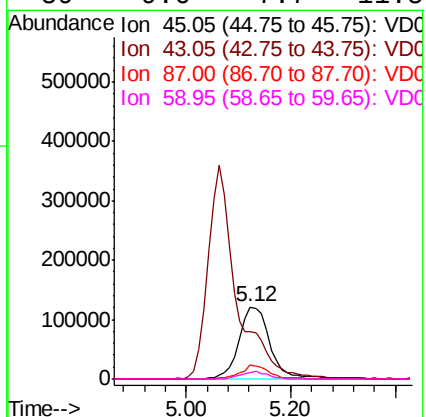
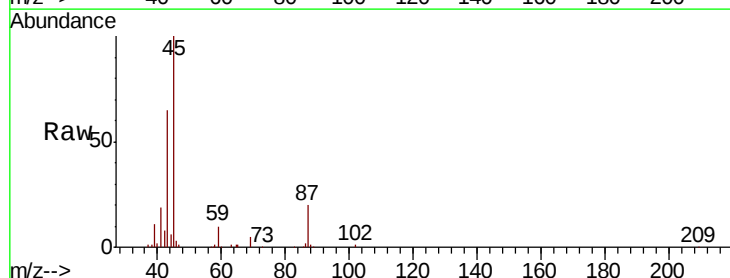
Ion Ratio Lower Upper

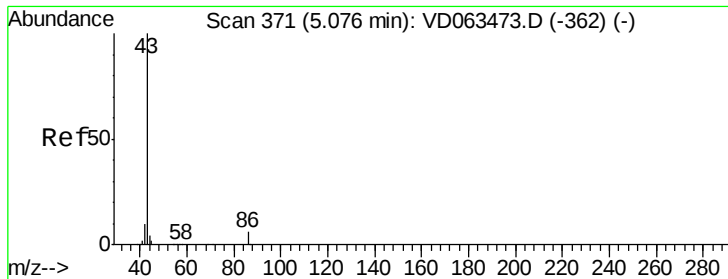
45 100

43 65.2 50.3 75.5

87 20.2 14.3 21.5

59 9.6 7.7 11.5





#23

Vinyl Acetate

Concen: 104.922 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

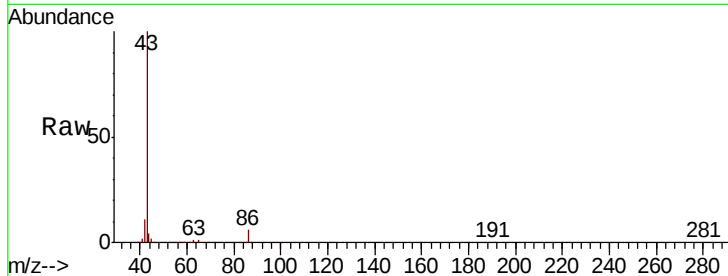
ClientSampleId :

Tot Ion: 43 Resp: 1352021

Ion Ratio Lower Upper

43 100

86 5.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

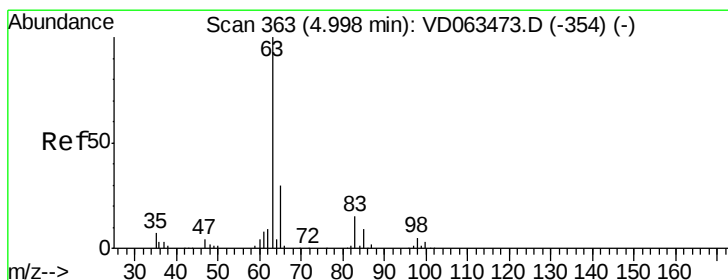
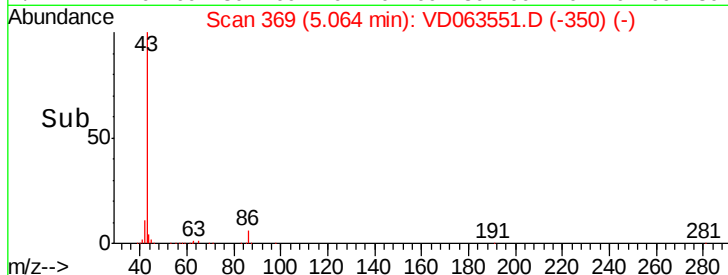
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.330 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

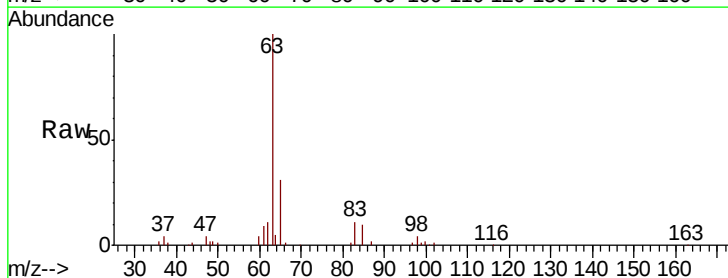
Tgt Ion: 63 Resp: 306986

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

100 2.7 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

4.98

120000

100000

80000

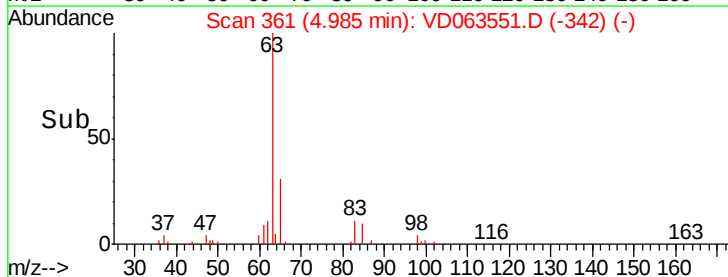
60000

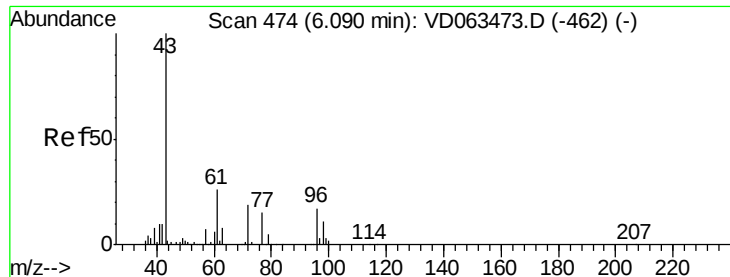
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.118 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

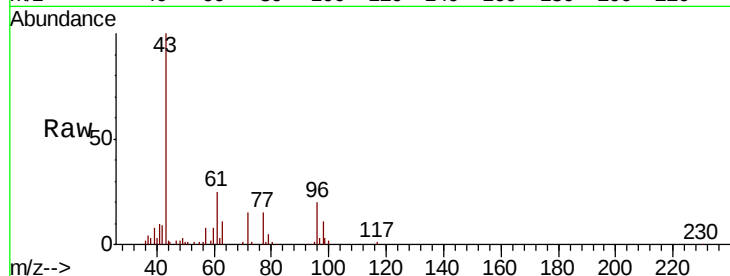
ClientSampled :

Tot Ion: 43 Resp: 201381

Ion Ratio Lower Upper

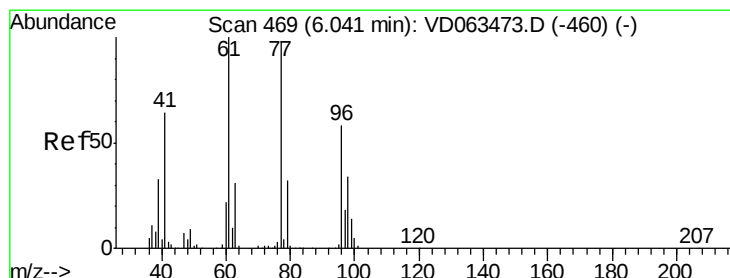
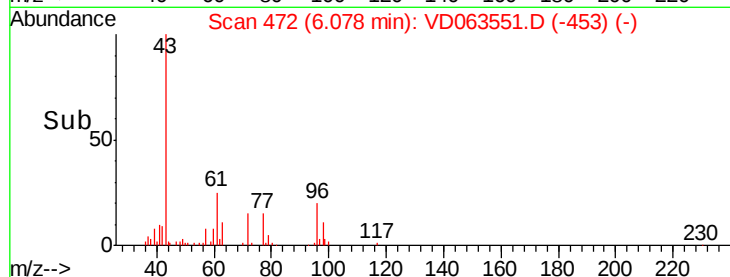
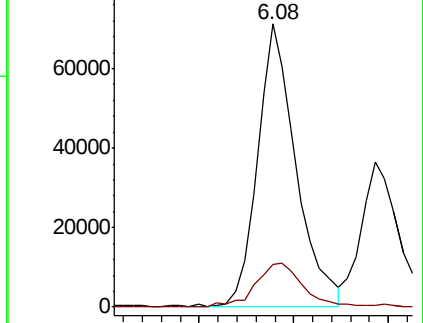
43 100

72 15.1 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: 19.371 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063551.D

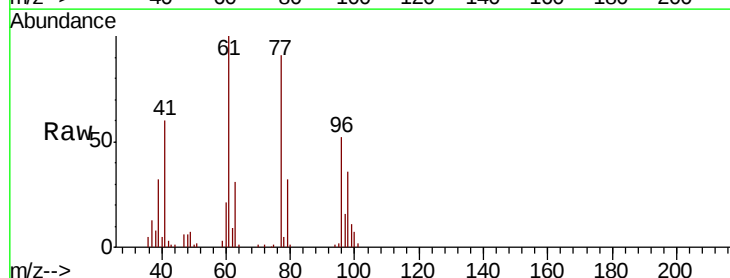
Acq: 14 Aug 2019 3:29

Tgt Ion: 77 Resp: 265248

Ion Ratio Lower Upper

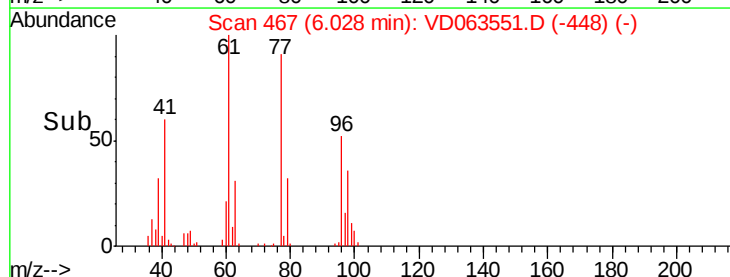
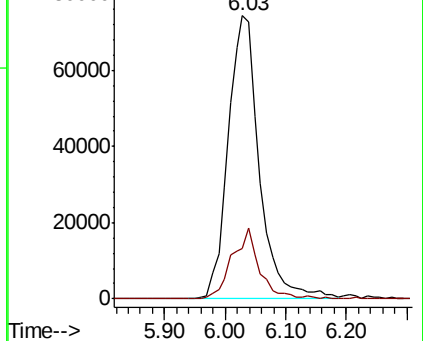
77 100

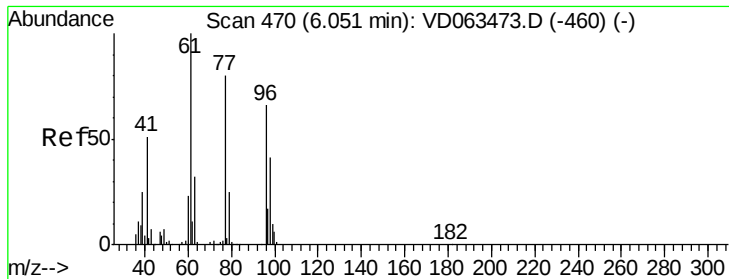
97 17.7 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



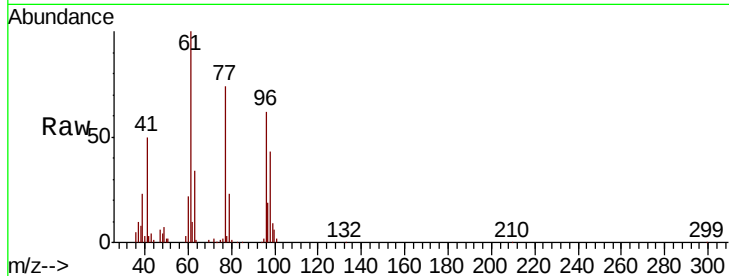


#27

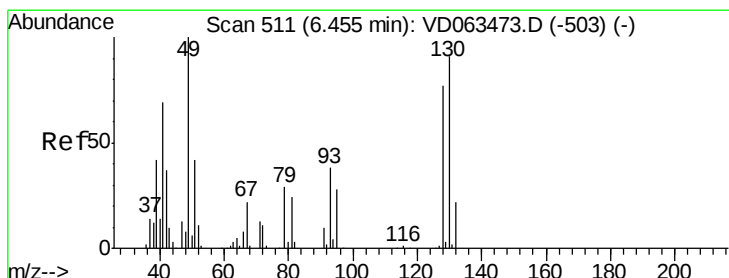
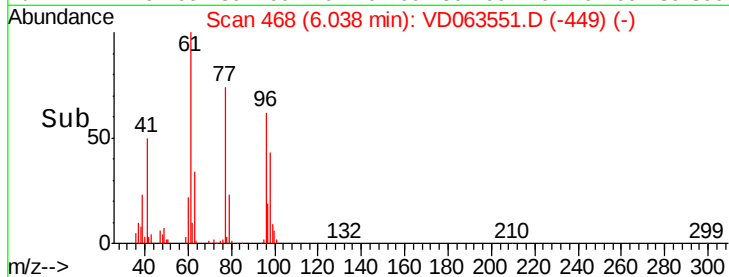
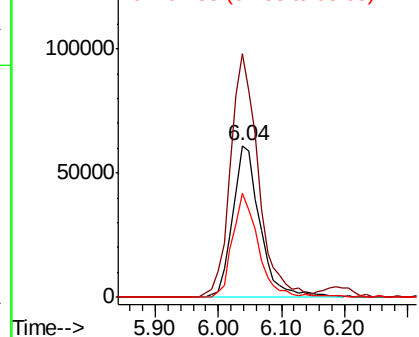
cis-1,2-Dichloroethene
 Concen: 22.238 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 182942
 Ion Ratio Lower Upper
 96 100
 61 160.5 0.0 304.0
 98 68.3 0.0 124.8



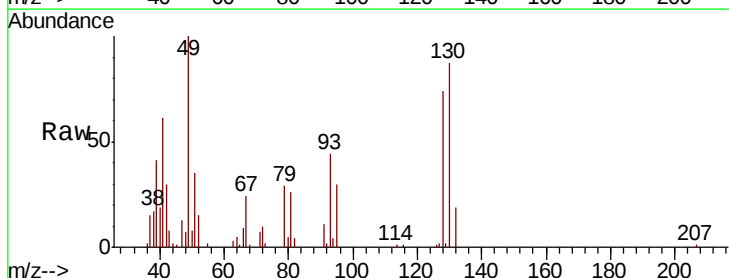
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



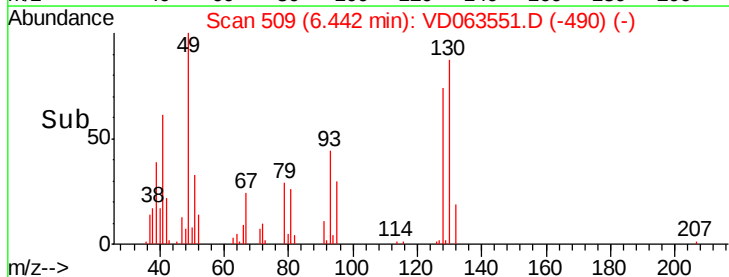
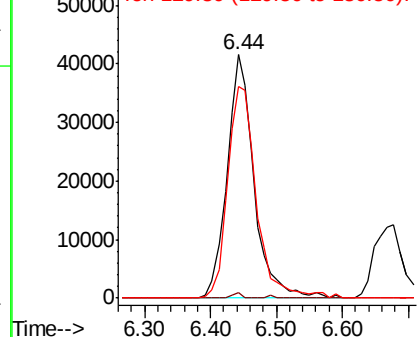
#28

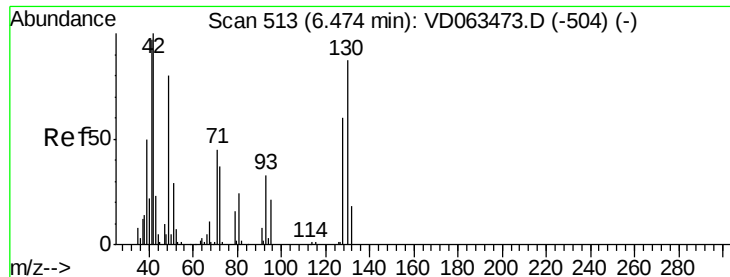
Bromochloromethane
 Concen: 21.247 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 49 Resp: 118384
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.4
 130 87.0 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

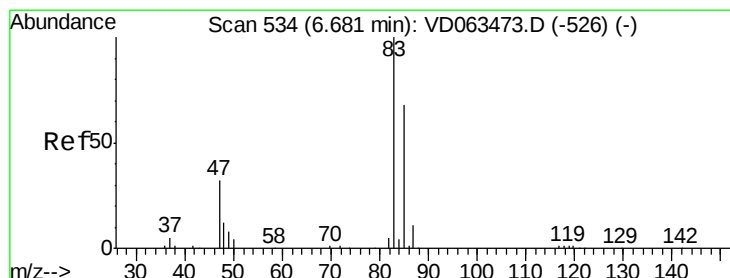
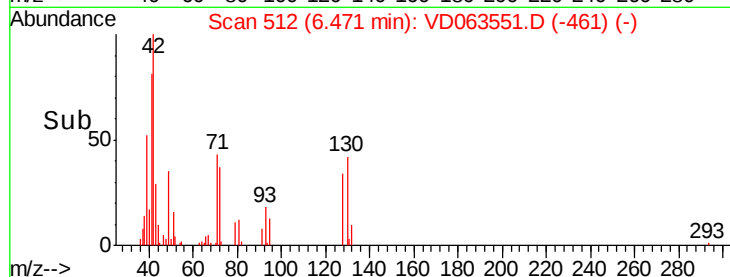
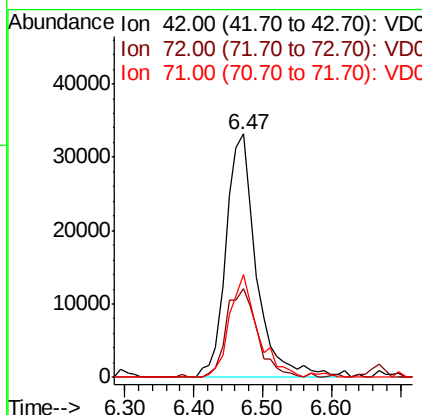
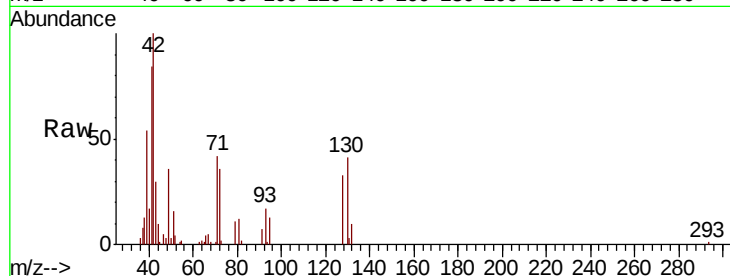




#29
Tetrahydrofuran
Concen: 114.264 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

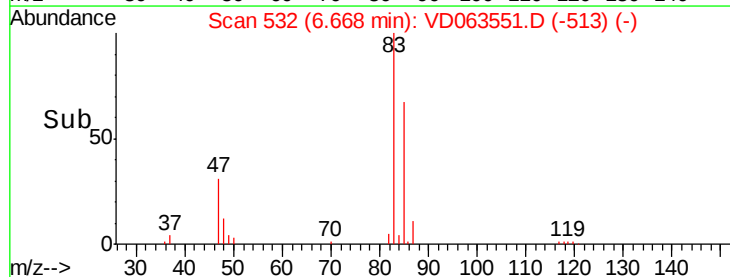
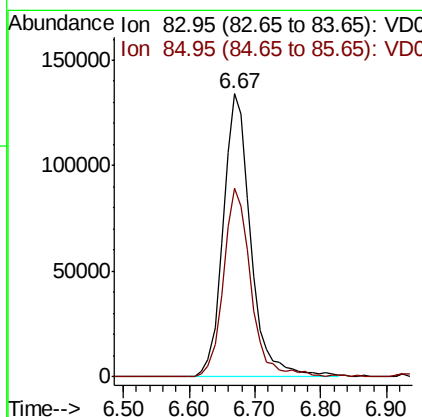
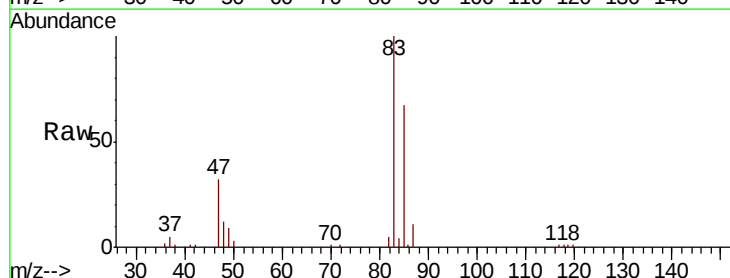
Instrument :
MSVOA_D
ClientSampled :

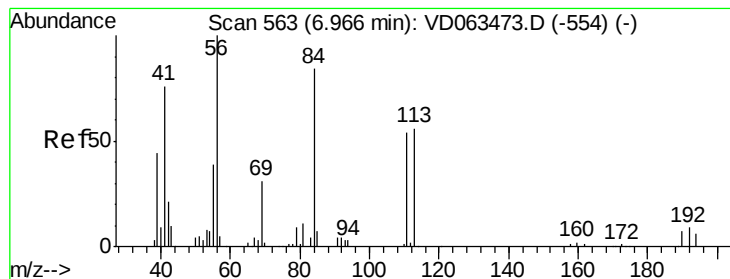
Tot Ion: 42 Resp: 101042
Ion Ratio Lower Upper
42 100
72 37.3 31.5 47.3
71 39.1 33.8 50.8



#30
Chloroform
Concen: 22.944 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 83 Resp: 392077
Ion Ratio Lower Upper
83 100
85 66.8 54.8 82.2





#31

Cyclohexane

Concen: 19.195 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

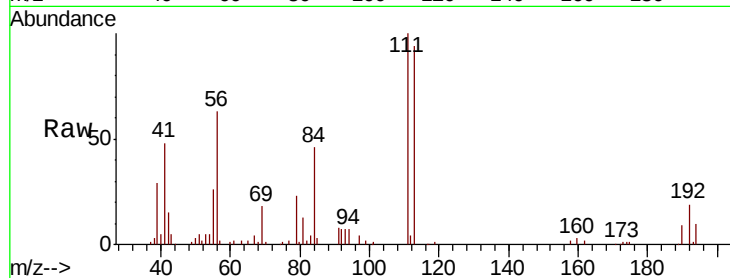
Tot Ion: 56 Resp: 163822

Ion Ratio Lower Upper

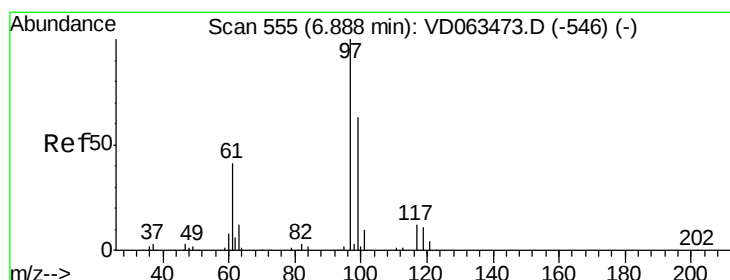
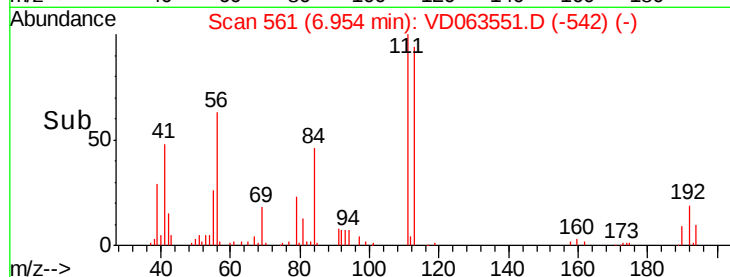
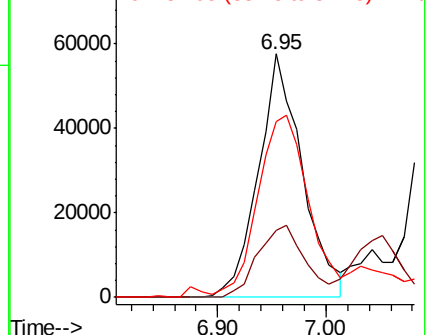
56 100

69 27.7 25.0 37.6

84 72.1 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 21.853 ug/l

RT: 6.88 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

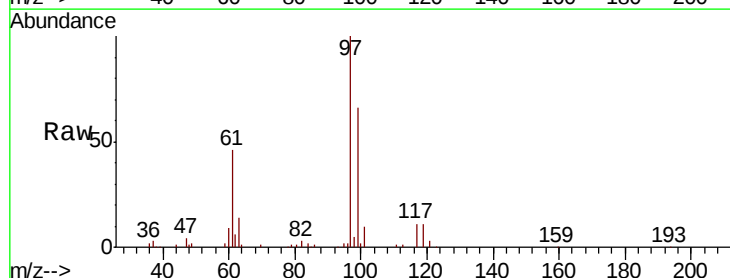
Tgt Ion: 97 Resp: 357211

Ion Ratio Lower Upper

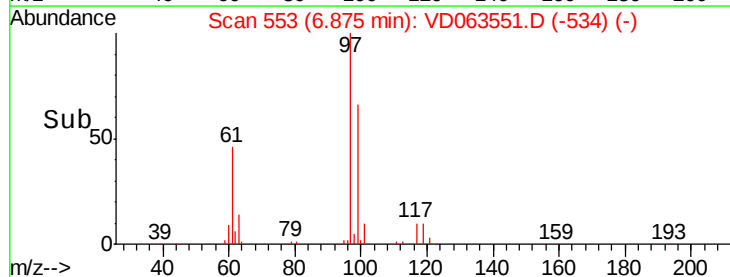
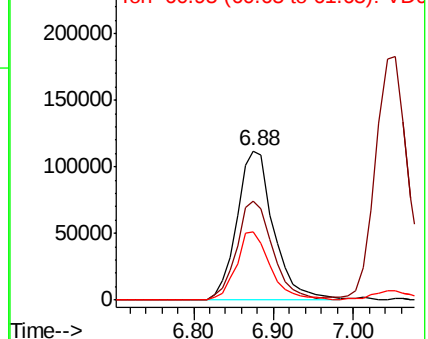
97 100

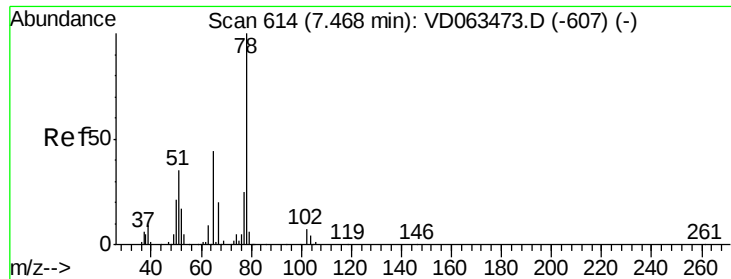
99 66.1 50.2 75.4

61 45.6 33.1 49.7



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

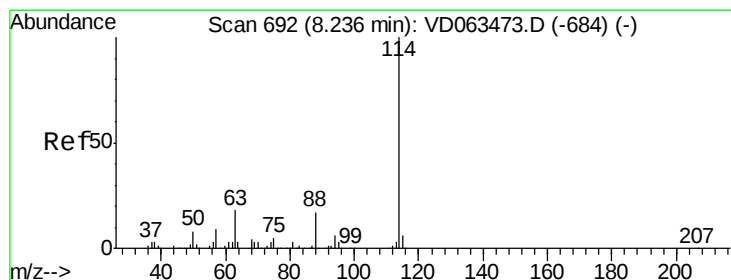
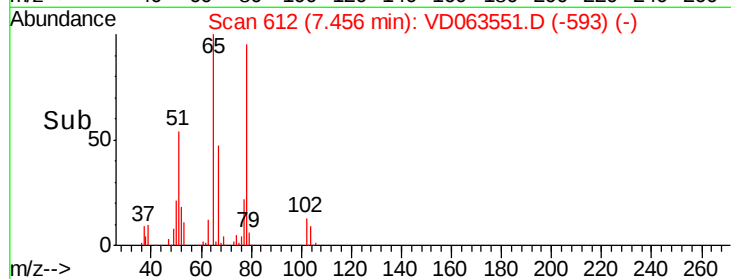
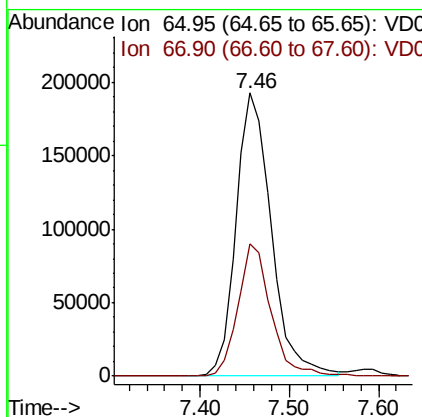
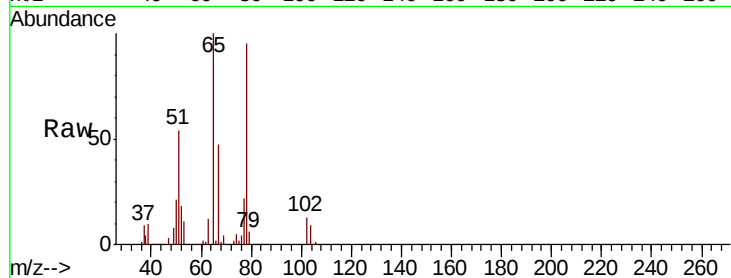




#33
 1,2-Dichloroethane-d4
 Concen: 55.967 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

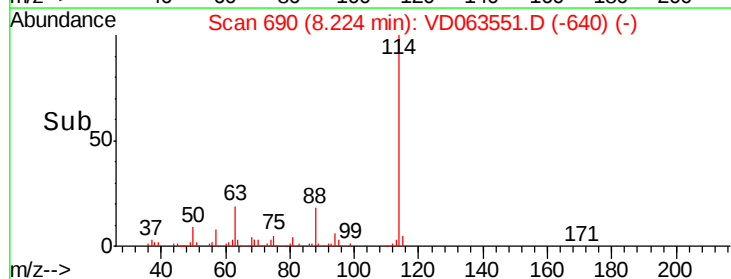
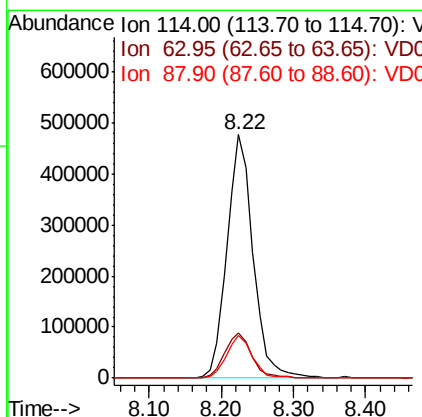
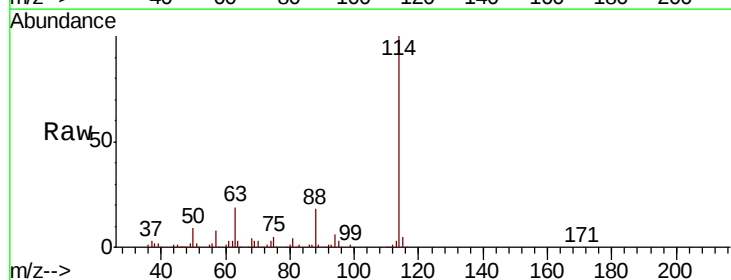
Instrument :
 MSVOA_D
 ClientSampleId :

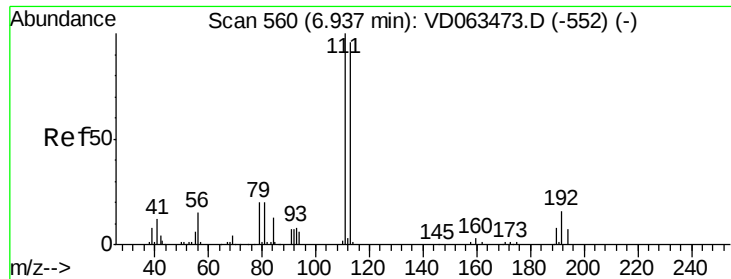
Tot Ion: 65 Resp: 529017
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 114 Resp: 1204541
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 17.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 57.207 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampled :

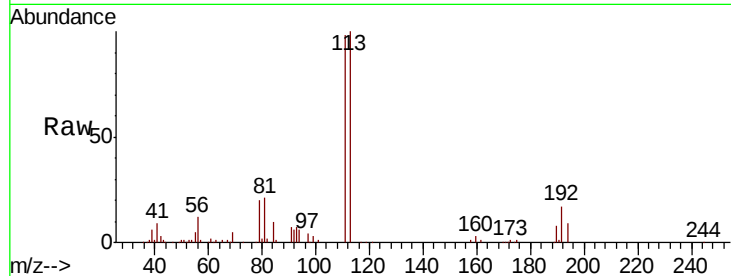
Tot Ion:113 Resp: 580349

Ion Ratio Lower Upper

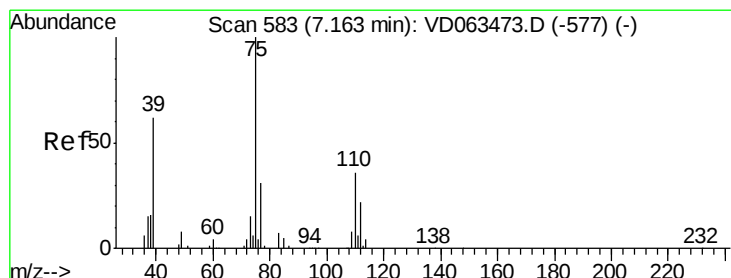
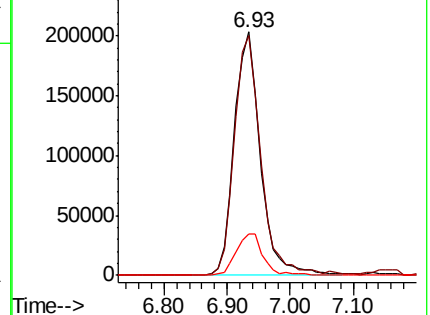
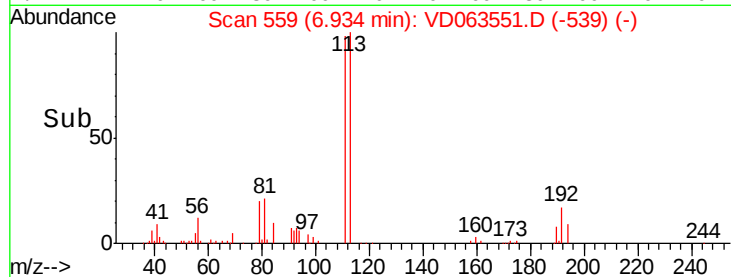
113 100

111 98.3 83.1 124.7

192 17.0 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 21.921 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

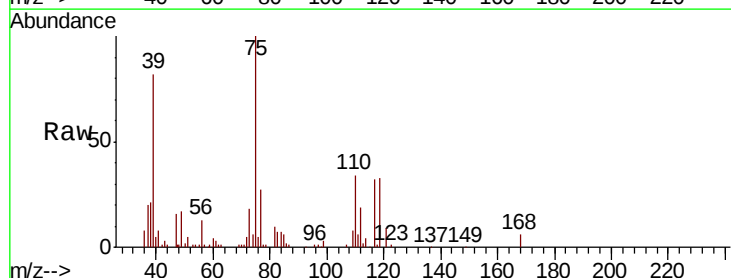
Tgt Ion: 75 Resp: 233424

Ion Ratio Lower Upper

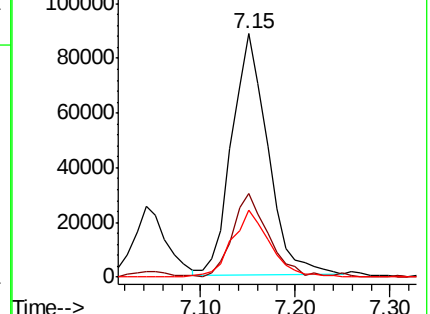
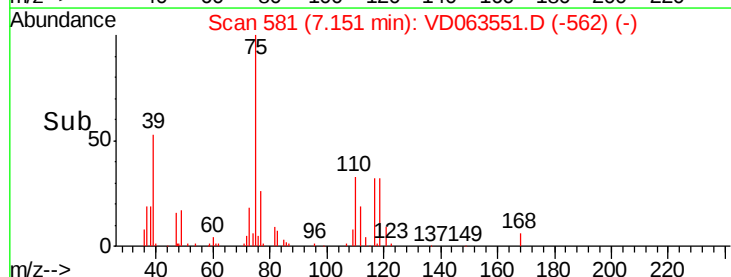
75 100

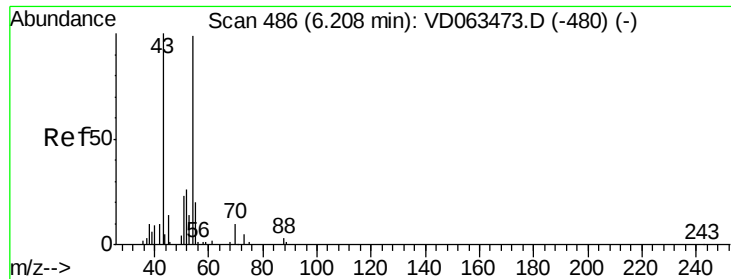
110 34.1 17.6 52.8

77 27.4 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

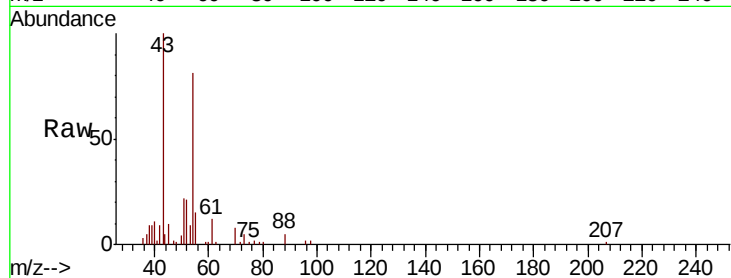




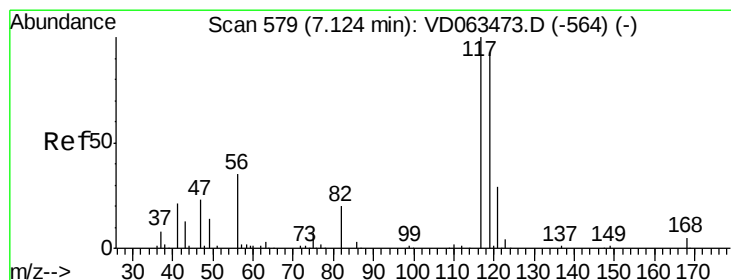
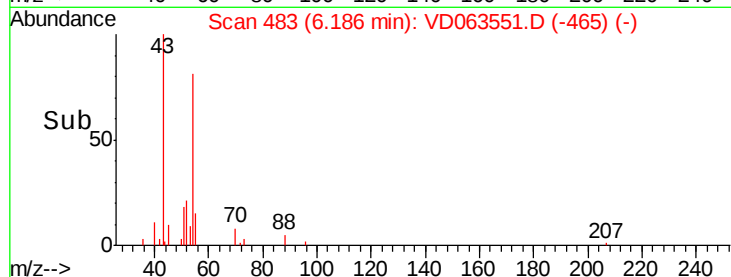
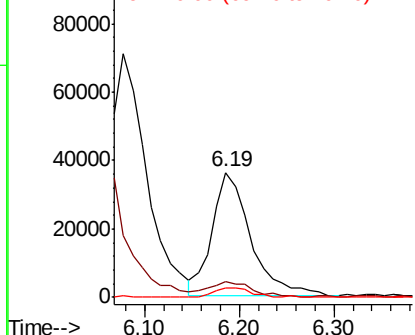
#37
Ethyl Acetate
Concen: 23.186 ug/l
RT: 6.19 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 103454
Ion Ratio Lower Upper
43 100
61 12.3 9.0 13.6
70 7.9 6.9 10.3

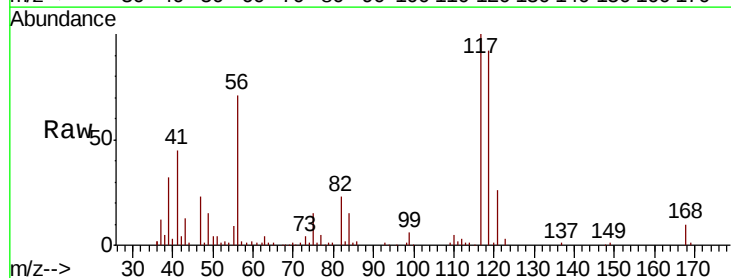


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

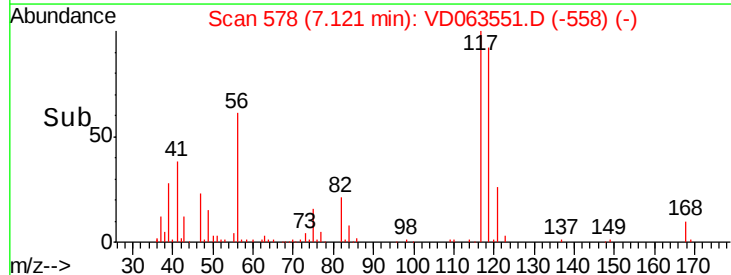
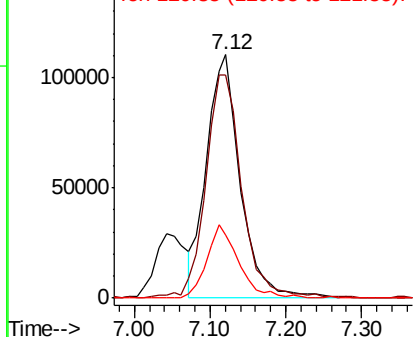


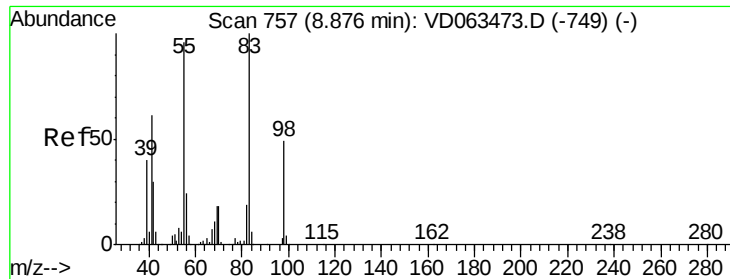
#38
Carbon Tetrachloride
Concen: 21.245 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 117 Resp: 340942
Ion Ratio Lower Upper
117 100
119 91.6 74.2 111.2
121 26.0 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

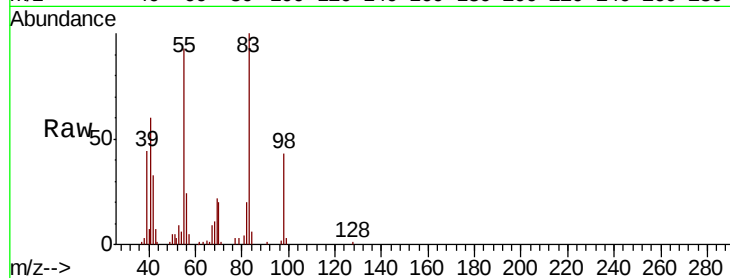




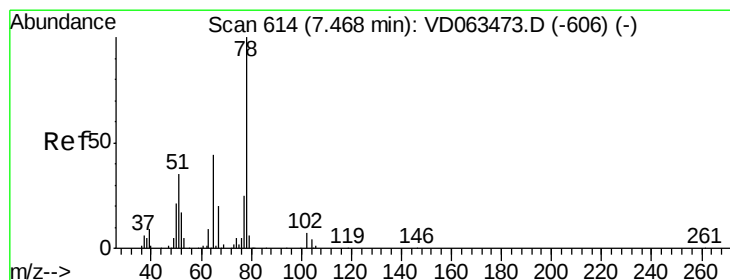
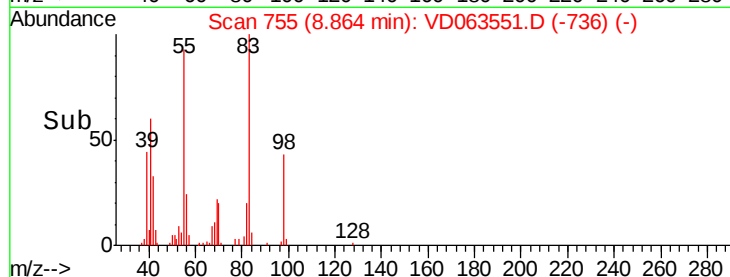
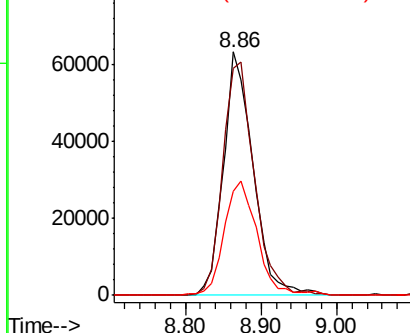
#39
Methvlcvclohexane
Concen: 19.072 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 172688
Ion Ratio Lower Upper
83 100
55 93.4 76.6 114.8
98 42.6 39.4 59.0

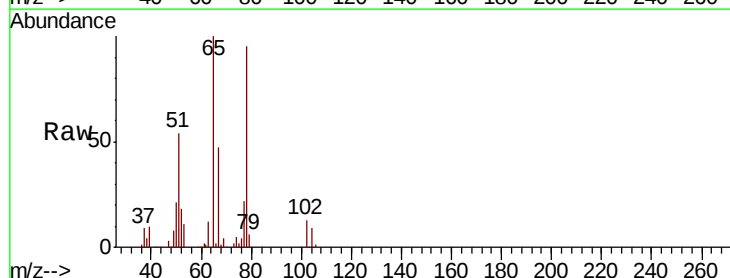


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

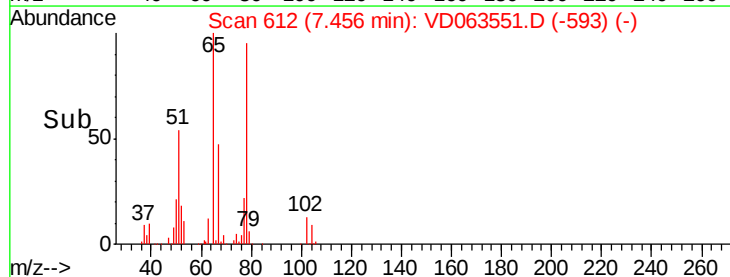
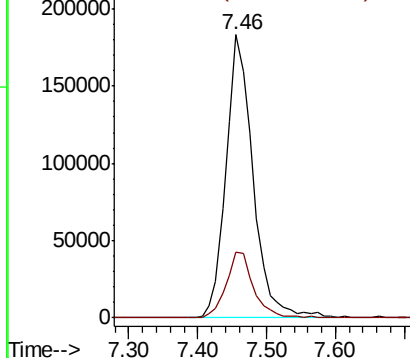


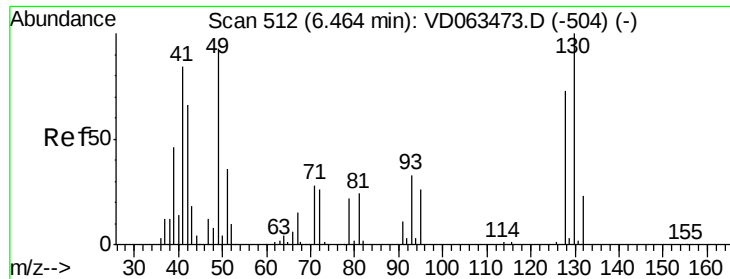
#40
Benzene
Concen: 21.209 ug/l
RT: 7.46 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 78 Resp: 497007
Ion Ratio Lower Upper
78 100
77 23.3 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

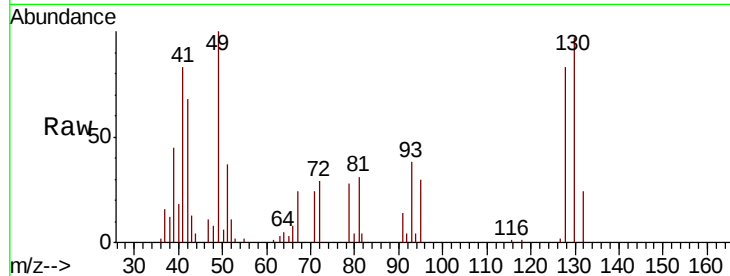




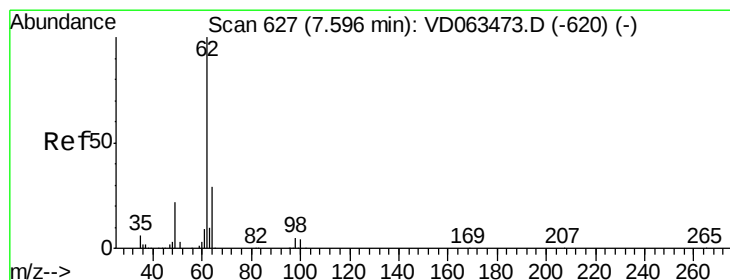
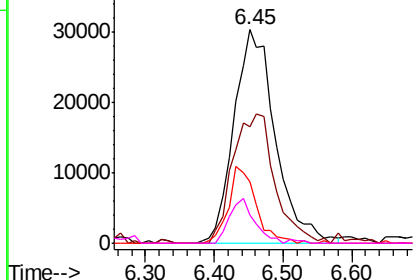
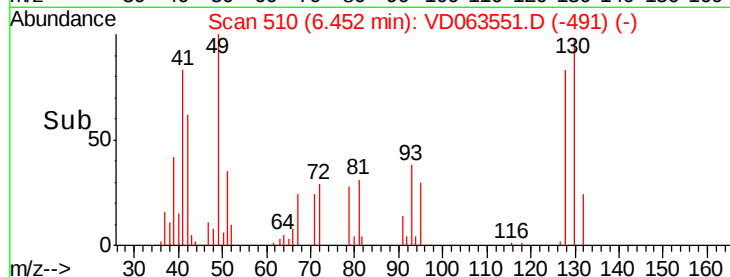
#41
Methacrylonitrile
Concen: 22.435 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	126044
Ion	Ratio	Lower	Upper
41	100		
39	54.7	44.6	66.8
67	28.6	14.4	21.6#
52	13.3	9.3	13.9

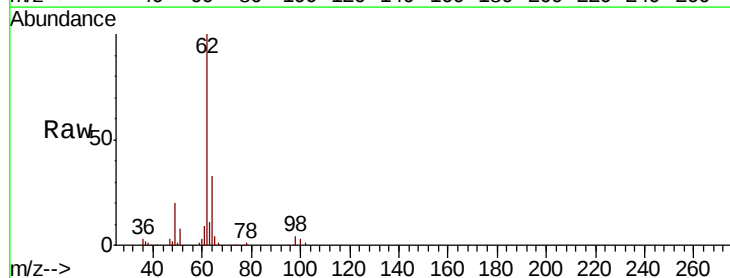


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

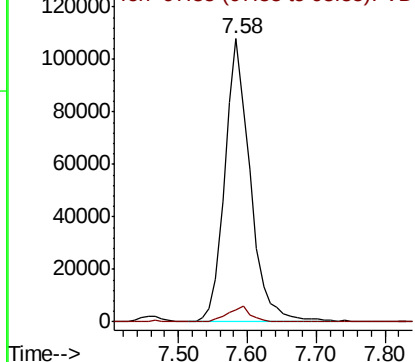
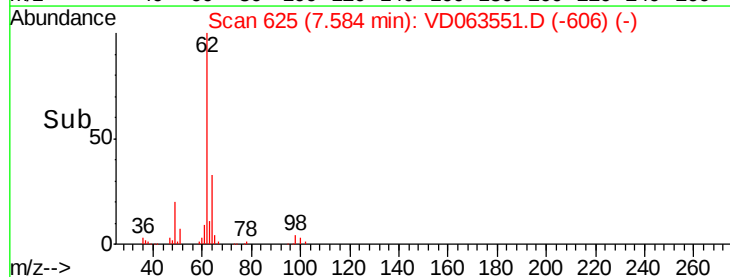


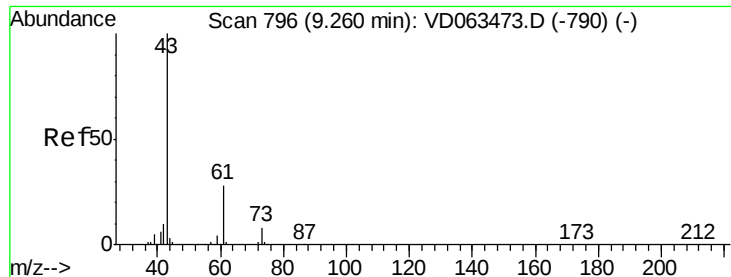
#42
1,2-Dichloroethane
Concen: 23.363 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:	62	Resp:	275279
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



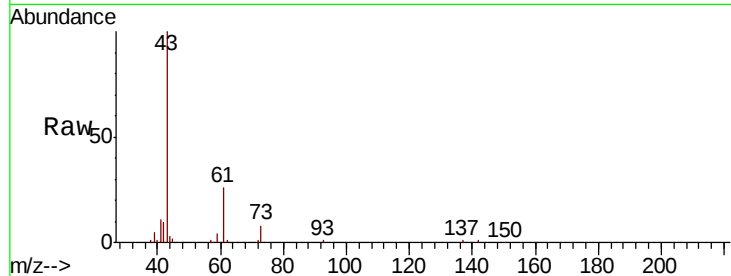


#43

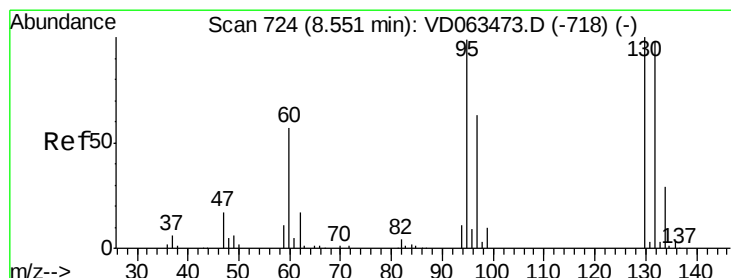
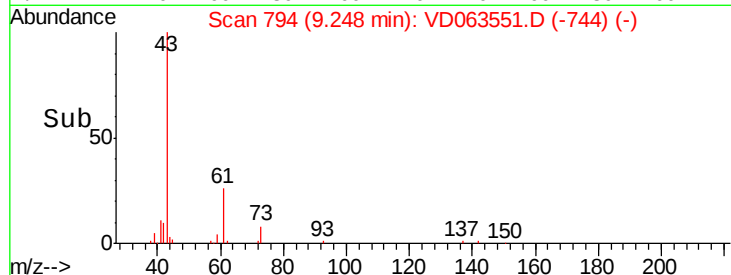
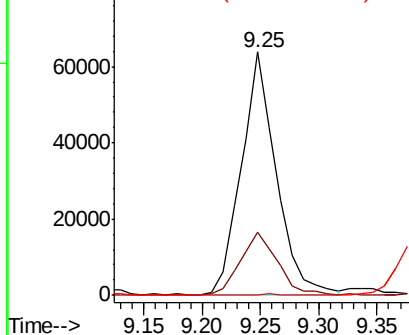
Isopropyl Acetate
 Concen: 22.276 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 133121
 Ion Ratio Lower Upper
 43 100
 61 25.8 22.2 33.2
 87 0.0 0.2 0.4#



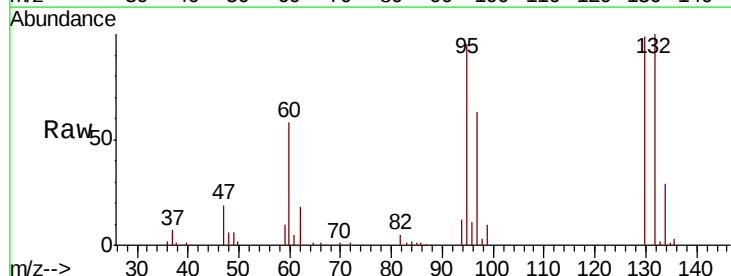
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



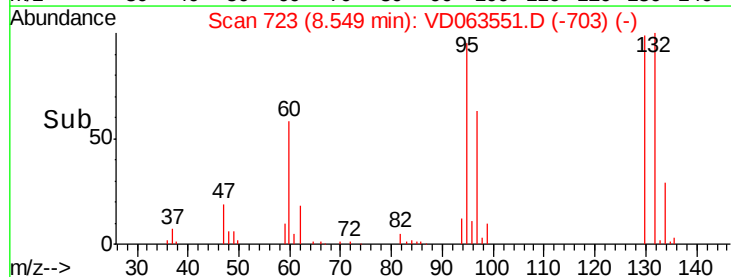
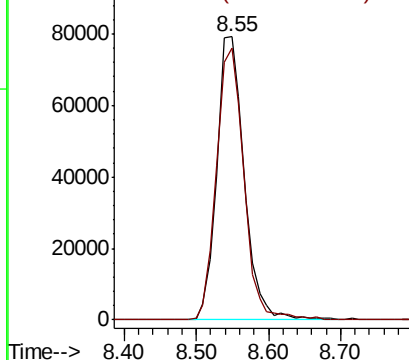
#44

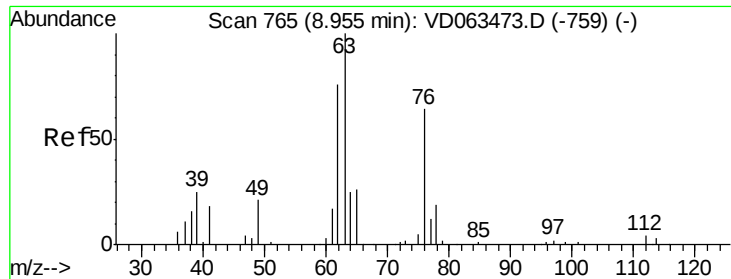
Trichloroethene
 Concen: 23.077 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 130 Resp: 206699
 Ion Ratio Lower Upper
 130 100
 95 96.2 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 24.971 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

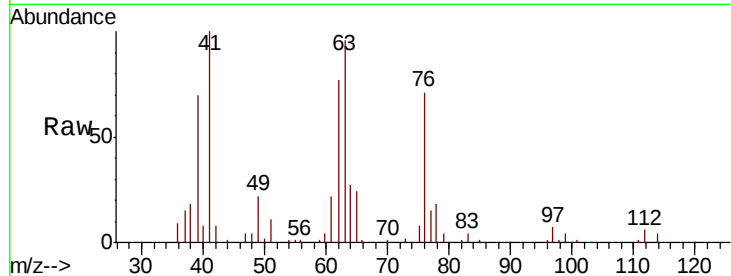
ClientSampled :

Tot Ion: 63 Resp: 136267

Ion Ratio Lower Upper

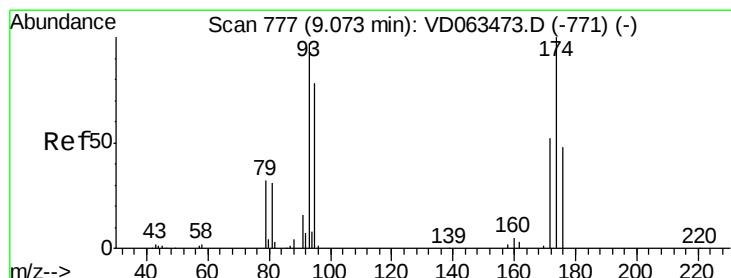
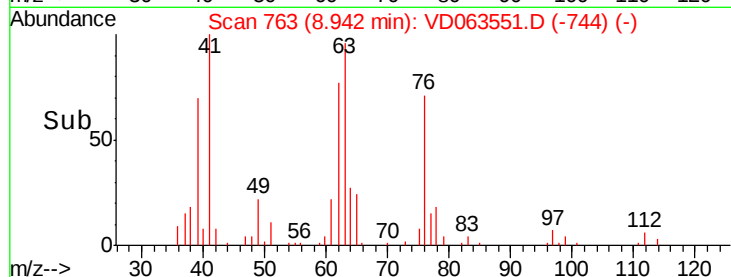
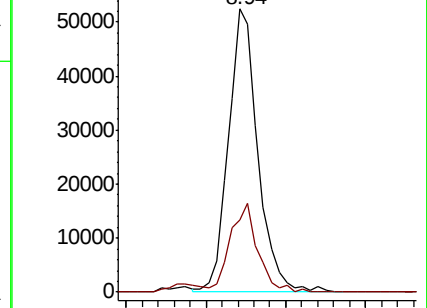
63 100

65 25.4 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.769 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

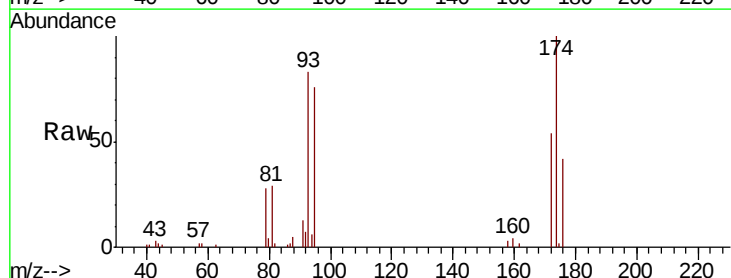
Tgt Ion: 93 Resp: 115431

Ion Ratio Lower Upper

93 100

95 92.0 64.2 96.2

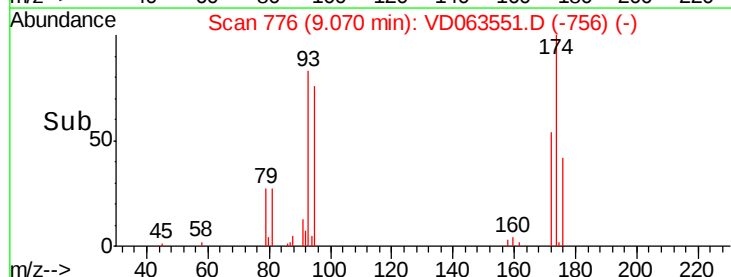
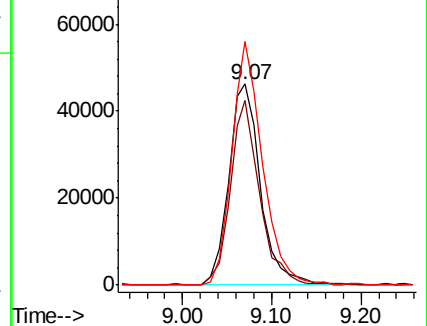
174 121.0 82.1 123.1

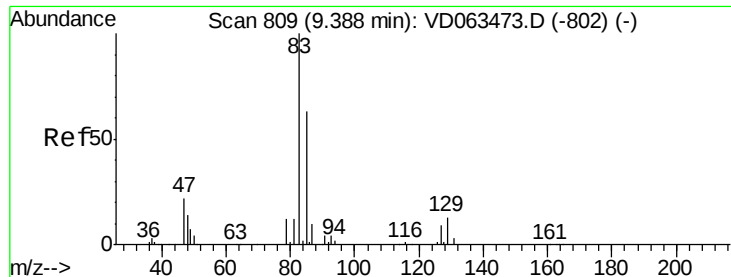


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 26.018 ug/l

RT: 9.39 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

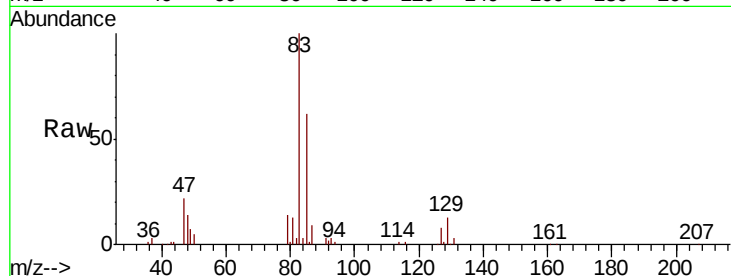
Tot Ion: 83 Resp: 311022

Ion Ratio Lower Upper

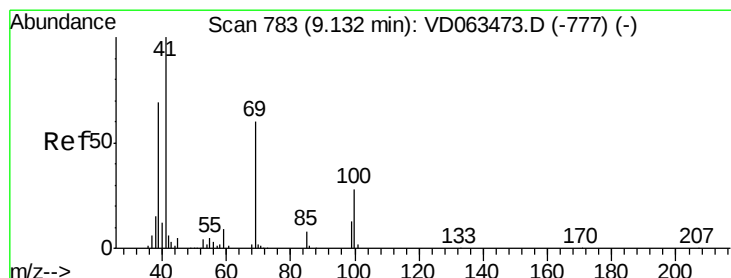
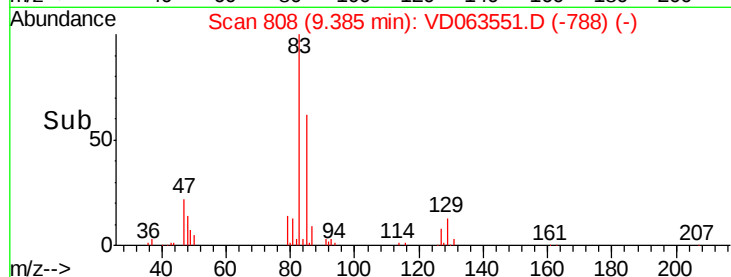
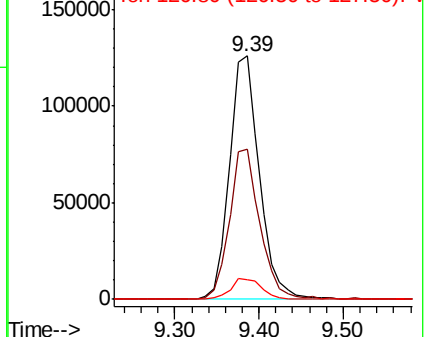
83 100

85 61.8 50.1 75.1

127 8.1 7.6 11.4



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



#48

Methyl methacrylate

Concen: 22.796 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

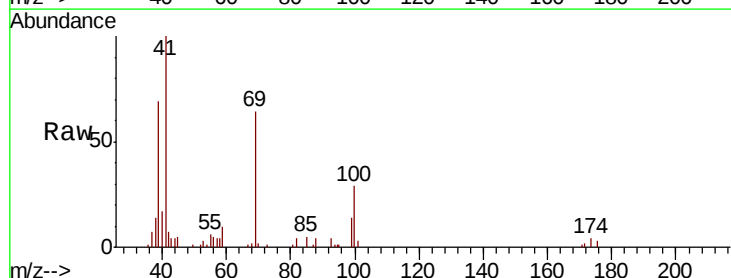
Tgt Ion: 41 Resp: 92387

Ion Ratio Lower Upper

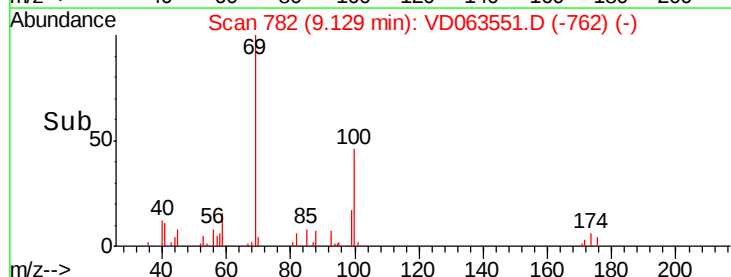
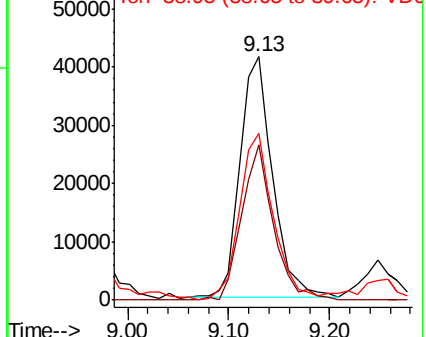
41 100

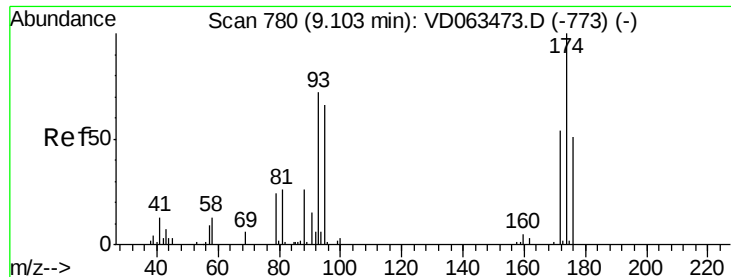
69 63.9 47.6 71.4

39 68.7 55.7 83.5



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

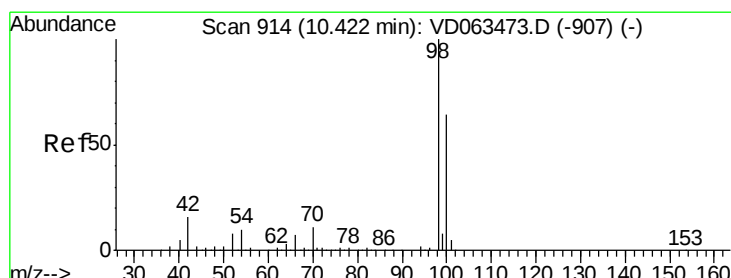
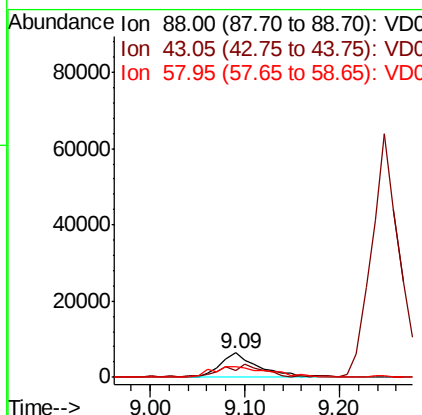
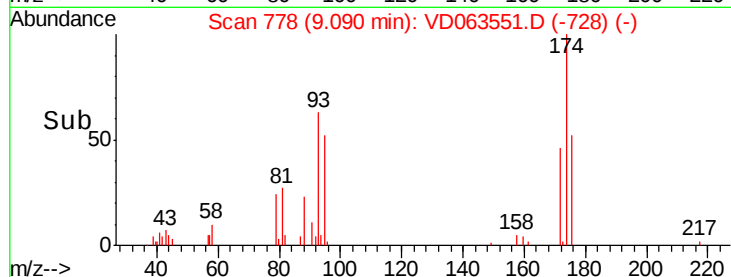
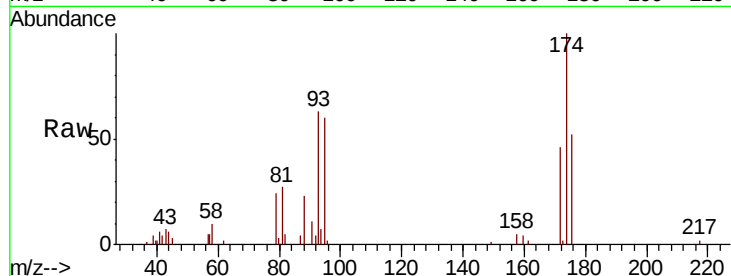




#49
1,4-Dioxane
Concen: 501.063 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

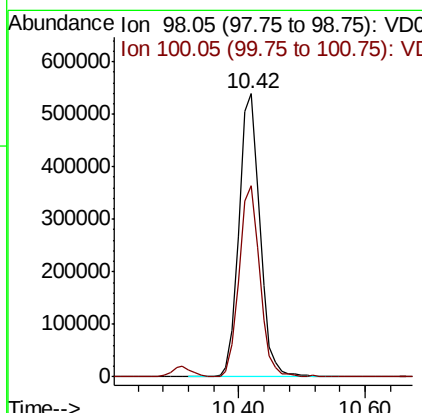
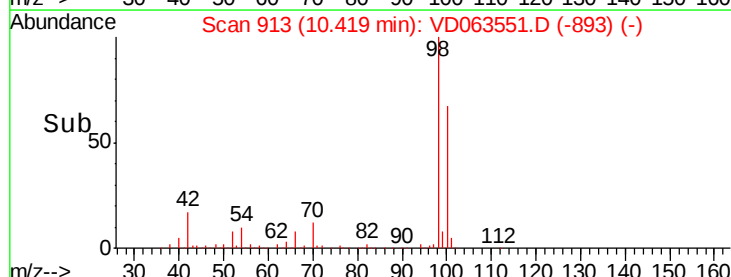
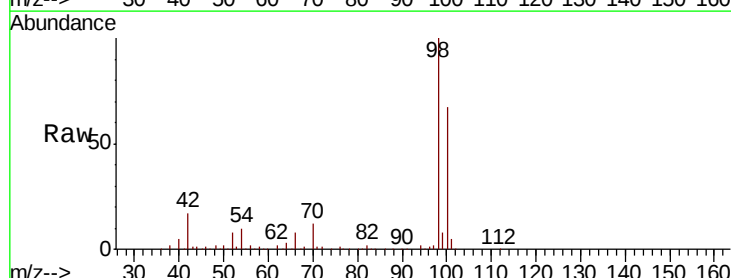
Instrument :
MSVOA_D
ClientSampleId :

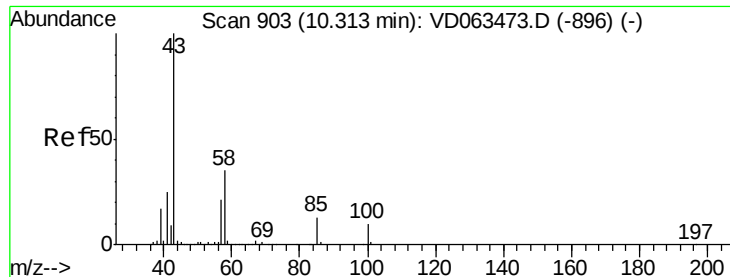
Tot Ion: 88 Resp: 17676
Ion Ratio Lower Upper
88 100
43 30.6 22.9 34.3
58 44.7 40.1 60.1



#50
Toluene-d8
Concen: 55.005 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 98 Resp: 1226814
Ion Ratio Lower Upper
98 100
100 67.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 116.403 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

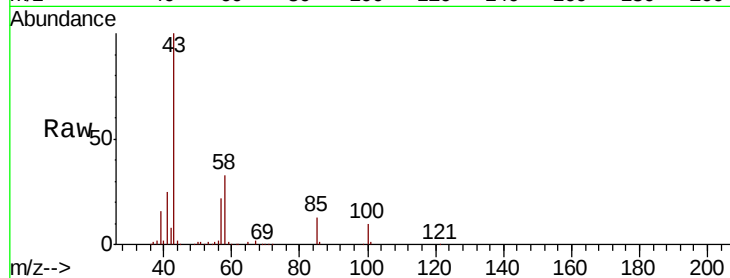
ClientSampled :

Tot Ion: 43 Resp: 476001

Ion Ratio Lower Upper

43 100

58 33.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

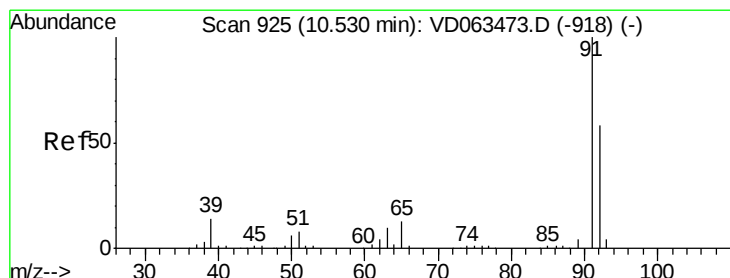
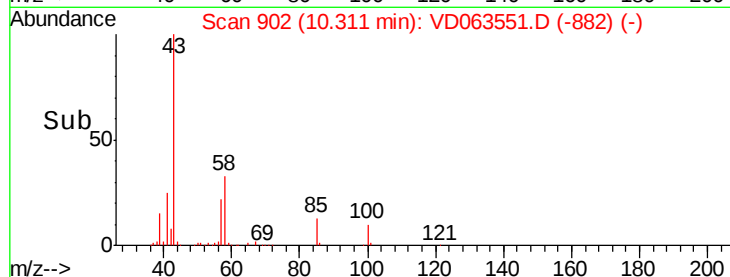
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.700 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063551.D

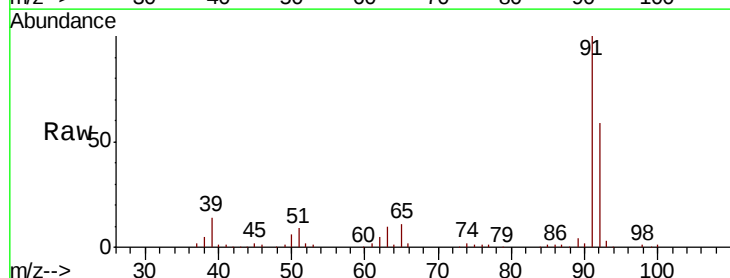
Acq: 14 Aug 2019 3:29

Tgt Ion: 92 Resp: 342623

Ion Ratio Lower Upper

92 100

91 170.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

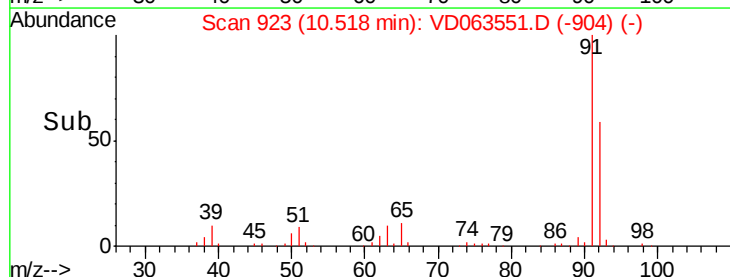
150000

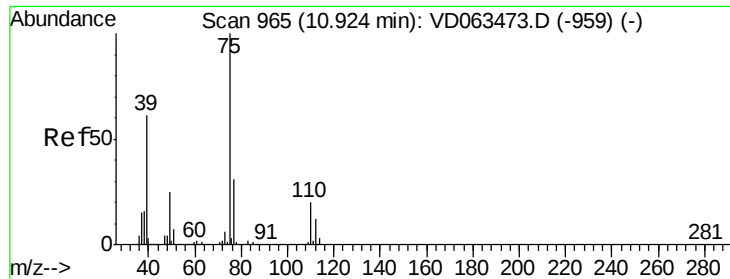
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.581 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

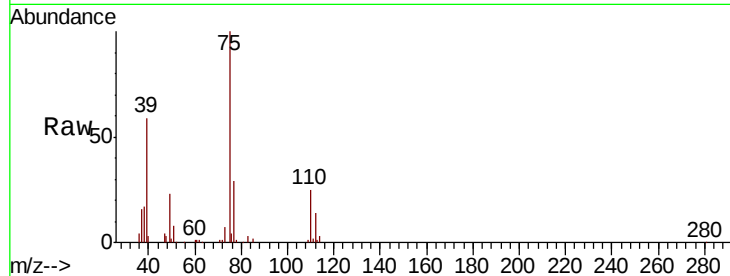
ClientSampleId :

Tot Ion: 75 Resp: 239802

Ion Ratio Lower Upper

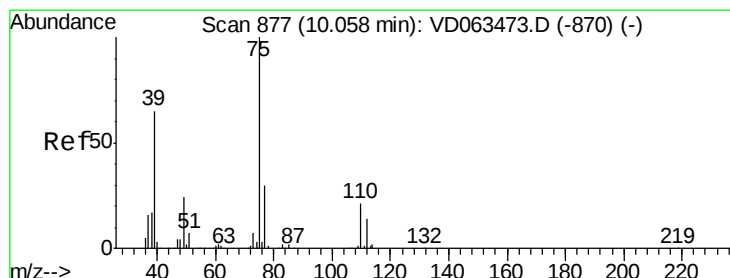
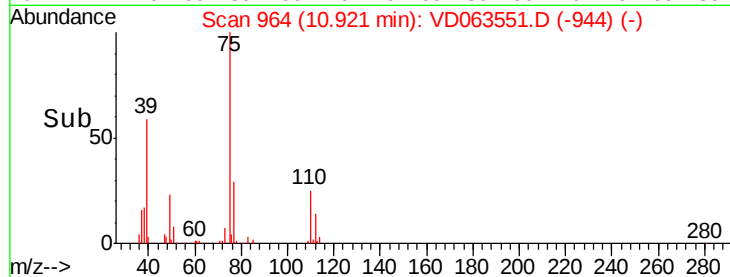
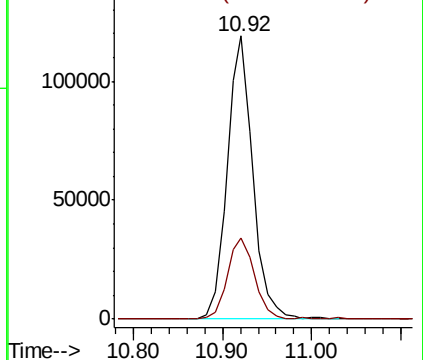
75 100

77 28.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.345 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

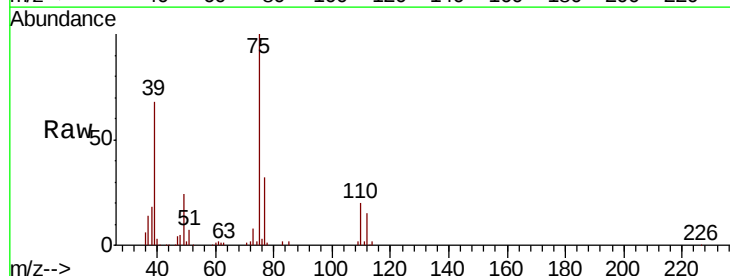
Tgt Ion: 75 Resp: 256796

Ion Ratio Lower Upper

75 100

77 32.1 23.7 35.5

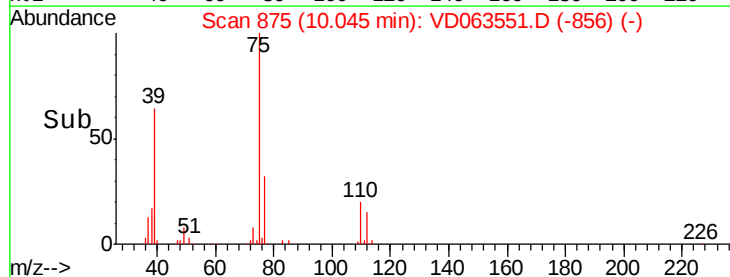
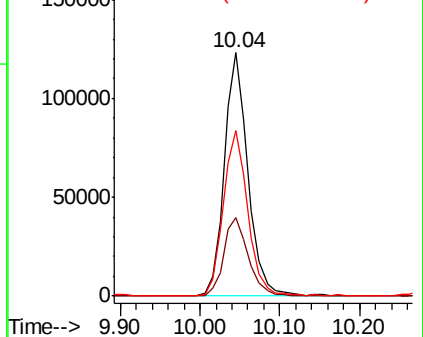
39 68.2 52.2 78.4

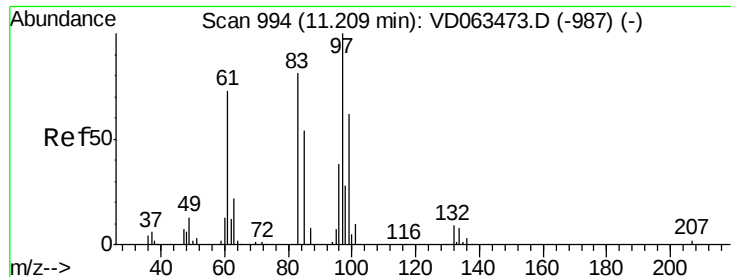


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

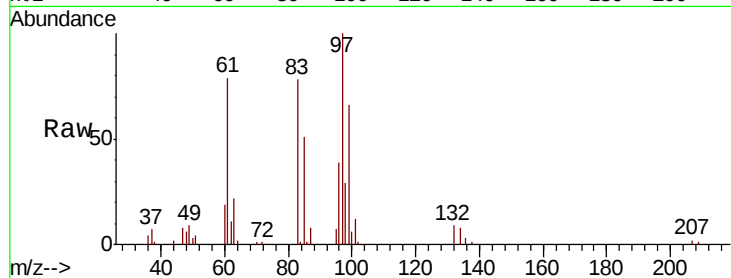




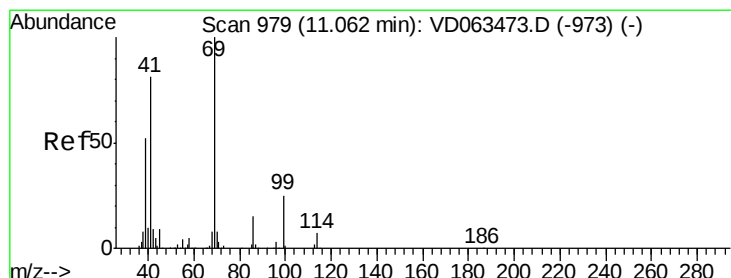
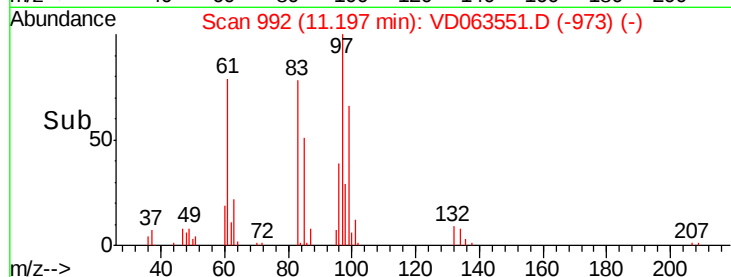
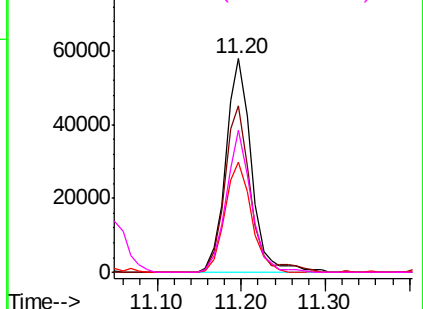
#55
1,1,2-Trichloroethane
Concen: 23.934 ug/l
RT: 11.20 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	122025
Ion	Ratio	Lower	Upper
97	100		
83	78.1	64.7	97.1
85	51.3	42.9	64.3
99	66.3	49.7	74.5

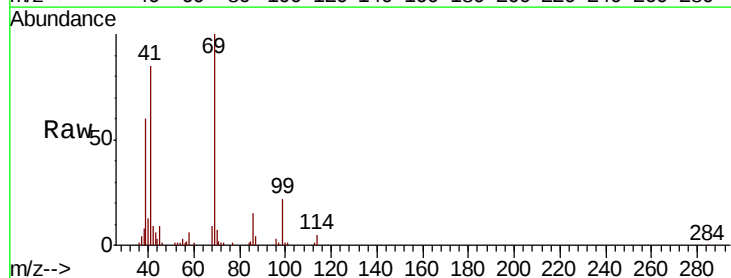


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

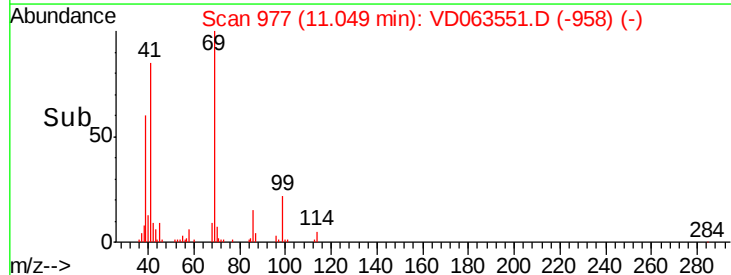
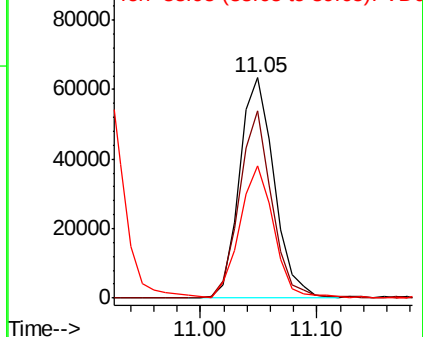


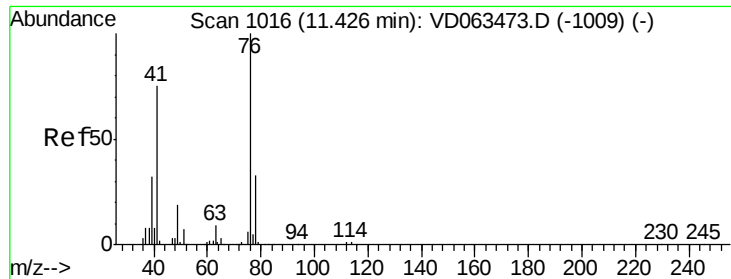
#56
Ethyl methacrylate
Concen: 23.555 ug/l
RT: 11.05 min Scan# 977
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:	69	Resp:	130352
Ion	Ratio	Lower	Upper
69	100		
41	84.9	64.8	97.2
39	60.2	42.4	63.6



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





#57

1,3-Dichloropropane

Concen: 22.263 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

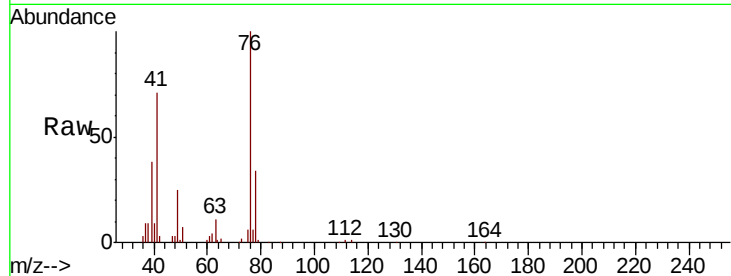
ClientSampled :

Tot Ion: 76 Resp: 171577

Ion Ratio Lower Upper

76 100

78 34.4 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

80000

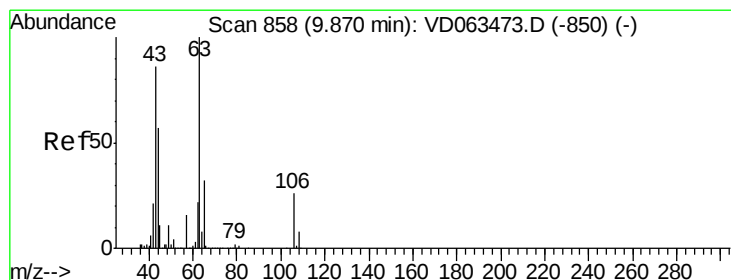
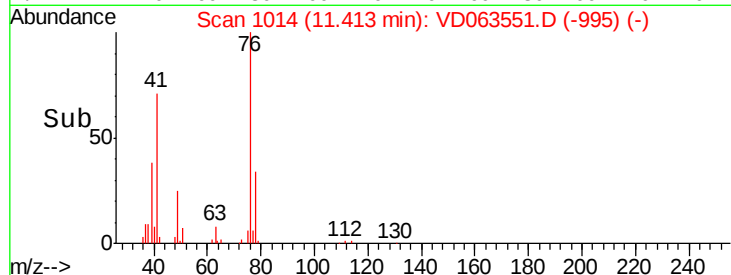
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.841 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063551.D

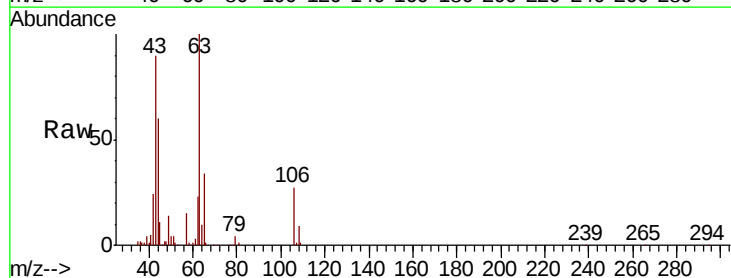
Acq: 14 Aug 2019 3:29

Tgt Ion: 63 Resp: 297528

Ion Ratio Lower Upper

63 100

106 27.0 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.86

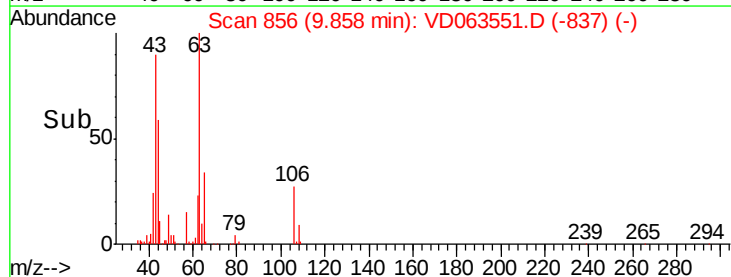
150000

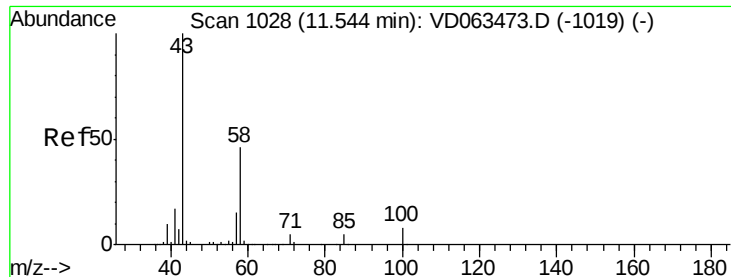
100000

50000

0

Time-->

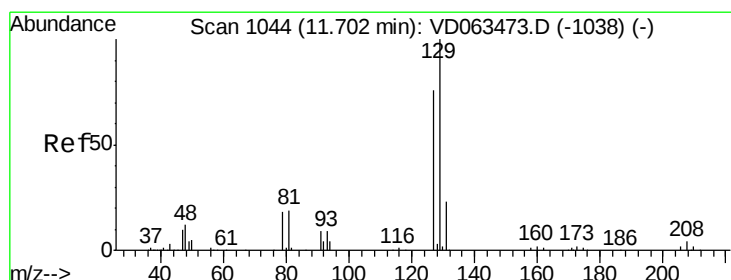
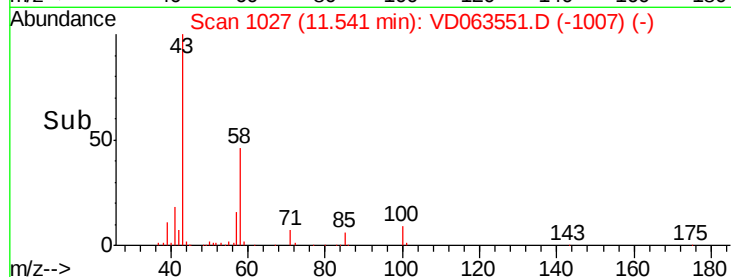
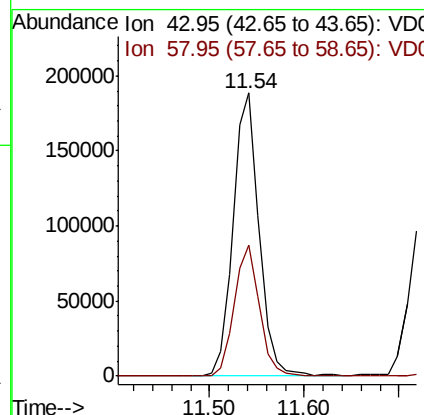
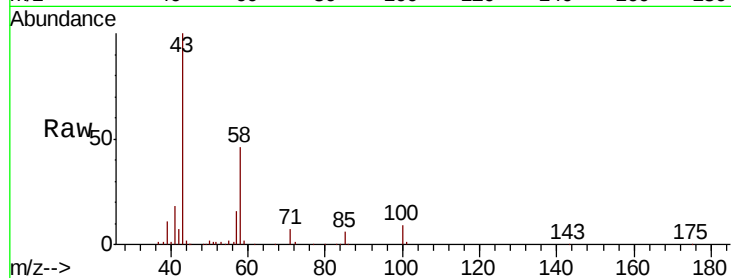




#59
2-Hexanone
Concen: 119.707 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

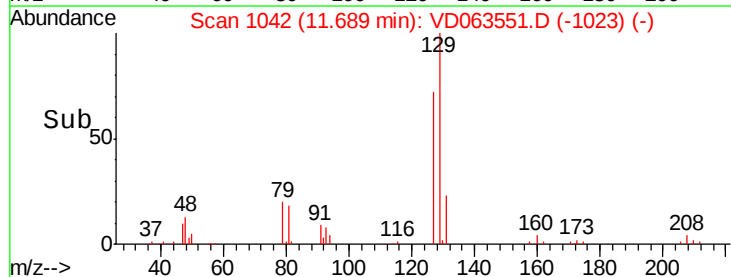
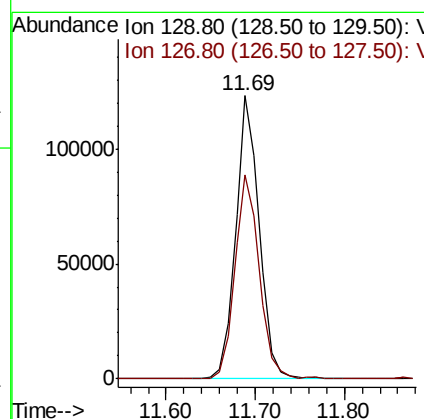
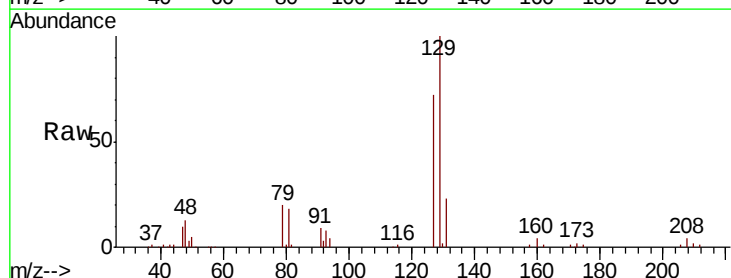
Instrument :
MSVOA_D
ClientSampled :

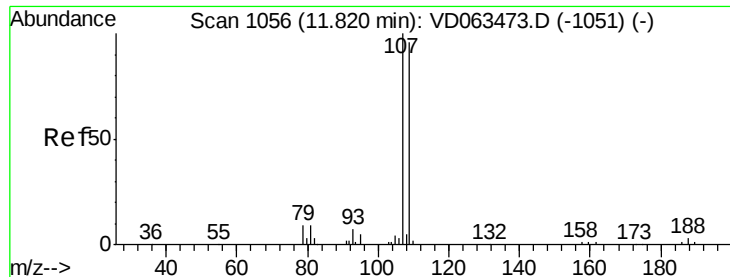
Tot Ion: 43 Resp: 356182
Ion Ratio Lower Upper
43 100
58 46.3 23.1 69.2



#60
Dibromochloromethane
Concen: 24.438 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 129 Resp: 226719
Ion Ratio Lower Upper
129 100
127 72.0 37.8 113.4





#61

1,2-Dibromoethane

Concen: 23.976 ug/l

RT: 11.82 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

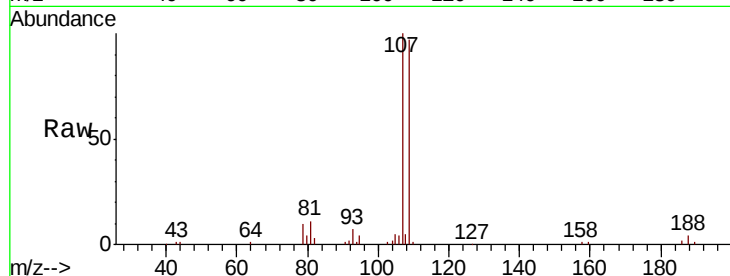
ClientSampleId :

Tot Ion: 107 Resp: 147983

Ion Ratio Lower Upper

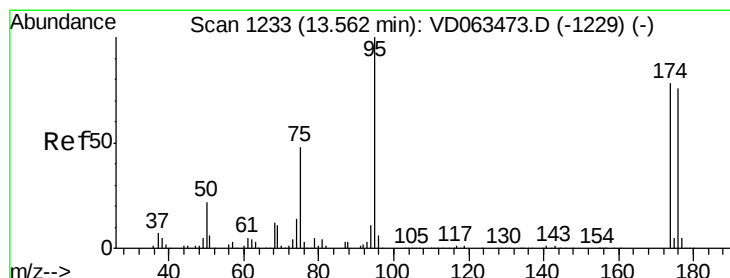
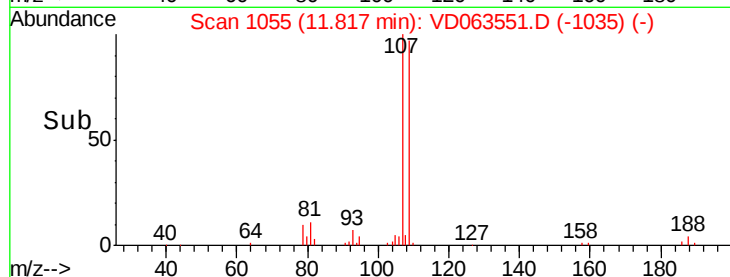
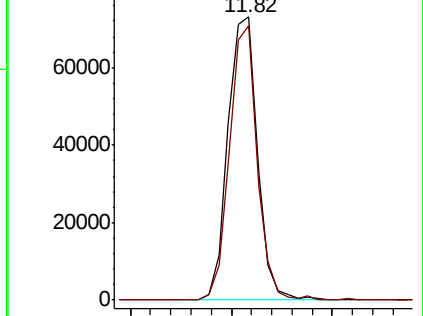
107 100

109 97.1 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: 56.183 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

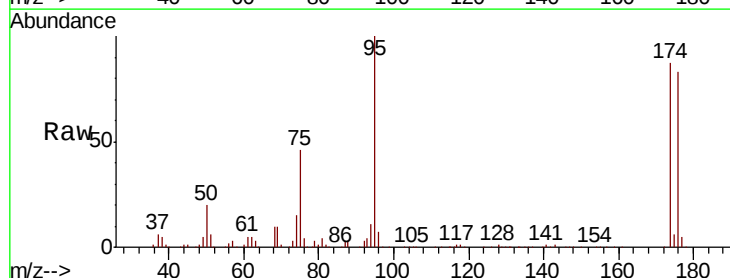
Tgt Ion: 95 Resp: 567950

Ion Ratio Lower Upper

95 100

174 87.0 0.0 155.4

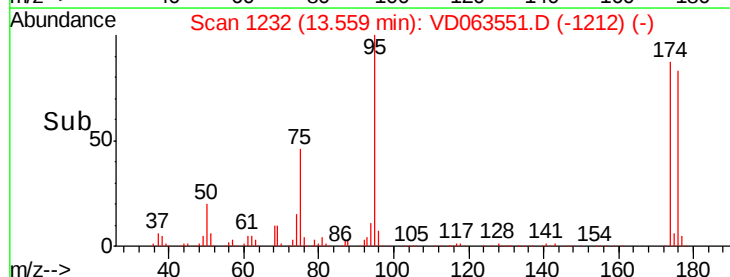
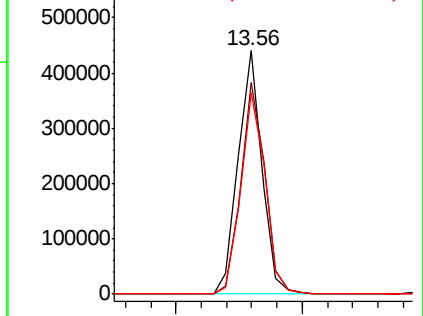
176 82.8 0.0 152.4

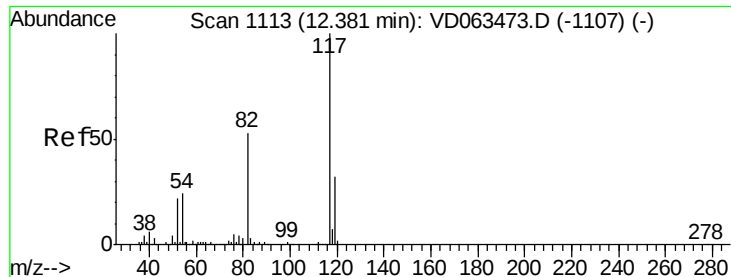


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

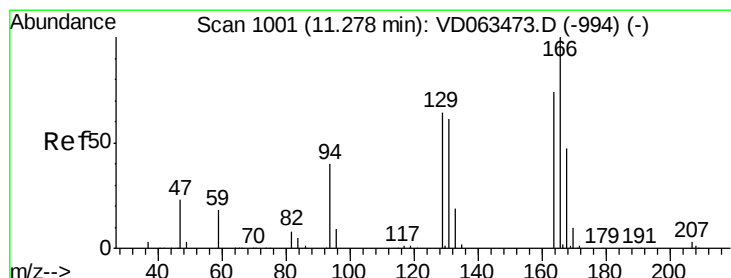
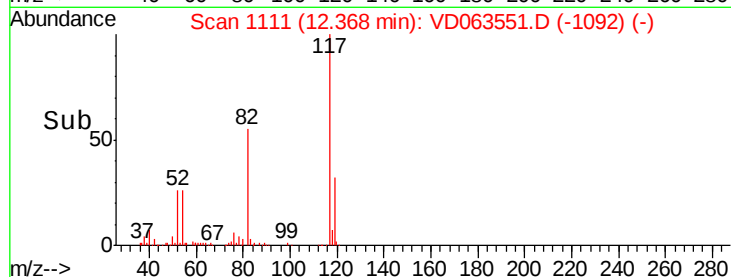
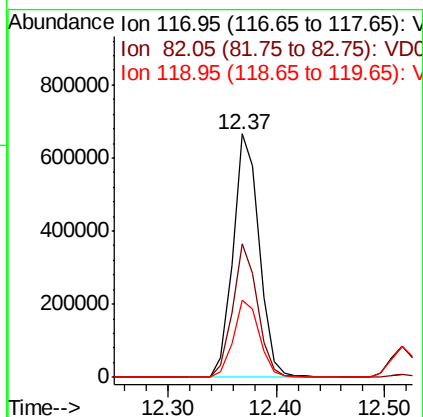
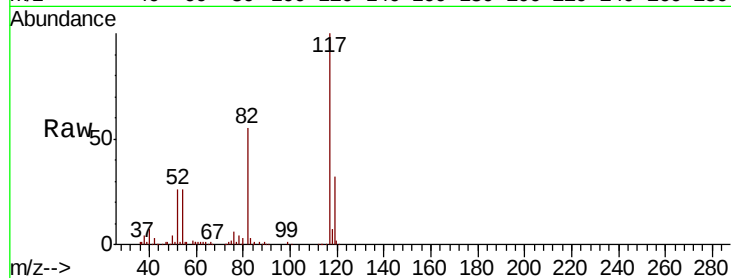




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

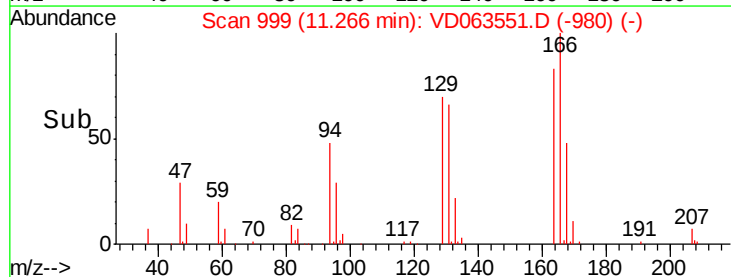
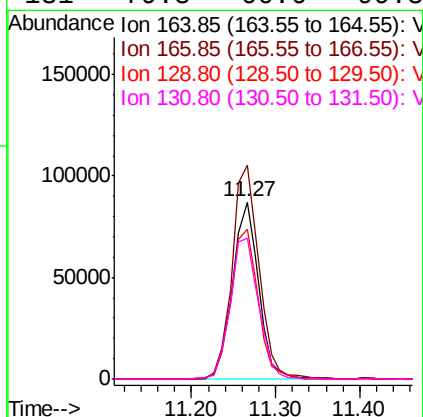
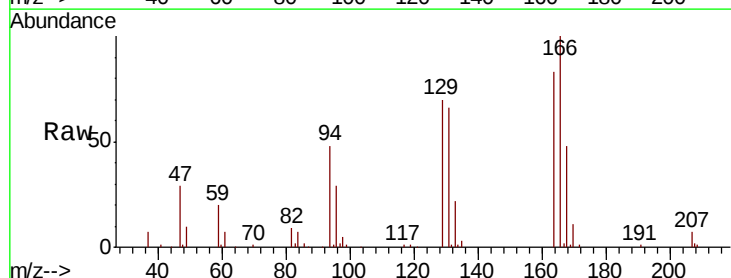
Instrument :
MSVOA_D
ClientSampled :

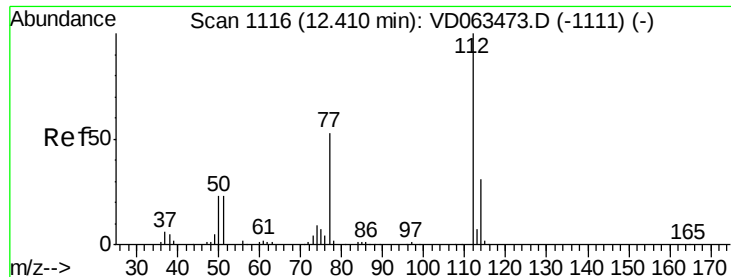
Tot Ion:117 Resp: 1119725
Ion Ratio Lower Upper
117 100
82 54.6 42.0 63.0
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 21.653 ug/l
RT: 11.27 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:164 Resp: 187171
Ion Ratio Lower Upper
164 100
166 120.6 108.6 163.0
129 84.6 69.0 103.6
131 79.8 66.6 99.8





#65

Chlorobenzene

Concen: 21.795 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

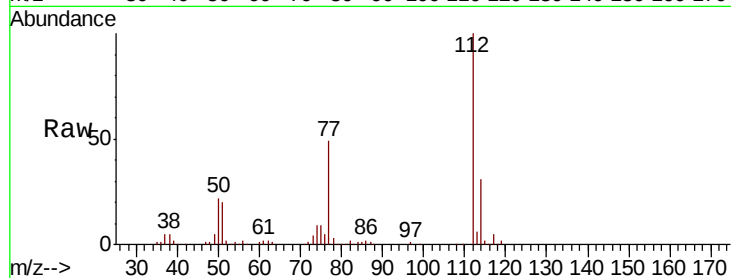
ClientSampleId :

Tot Ion:112 Resp: 457400

Ion Ratio Lower Upper

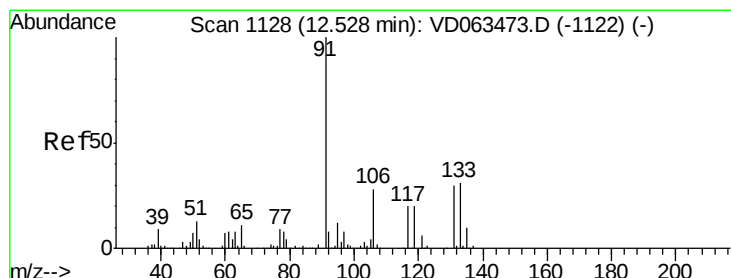
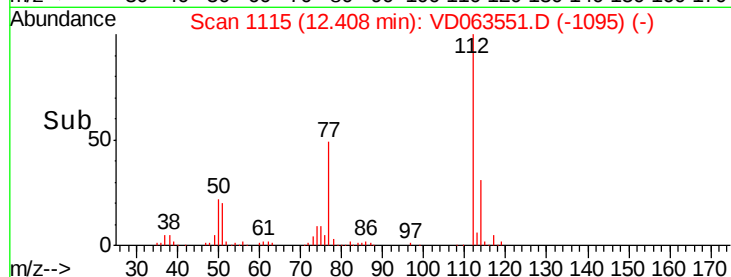
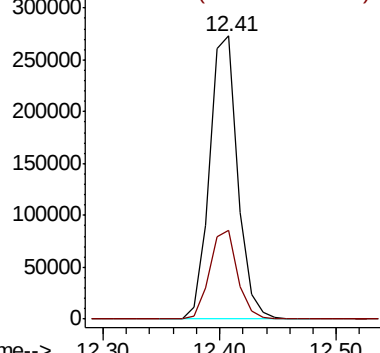
112 100

114 31.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.472 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

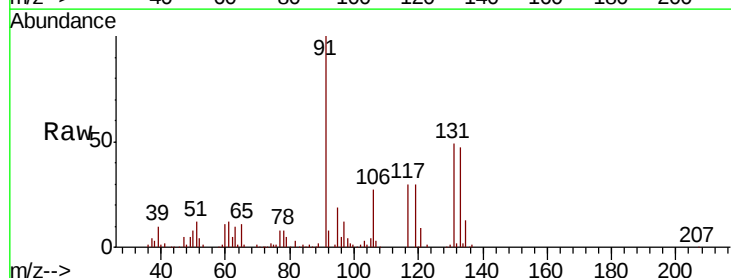
Tgt Ion:131 Resp: 216785

Ion Ratio Lower Upper

131 100

133 96.0 51.1 153.3

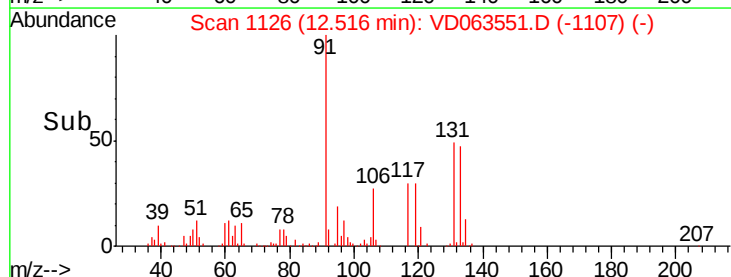
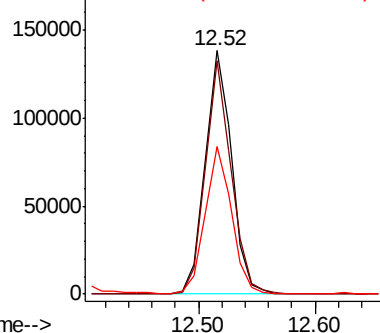
119 60.4 33.1 99.3

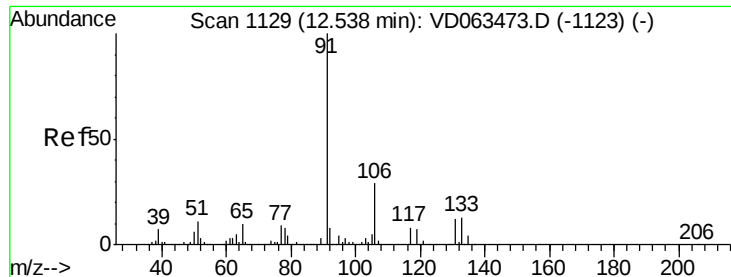


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

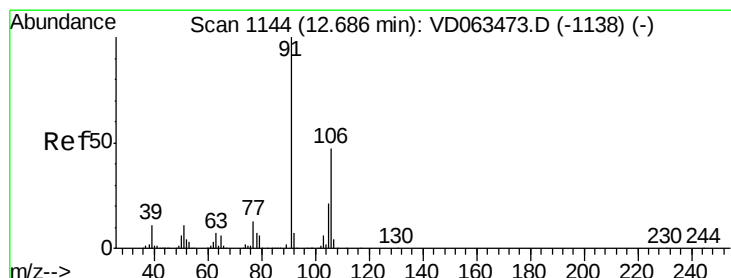
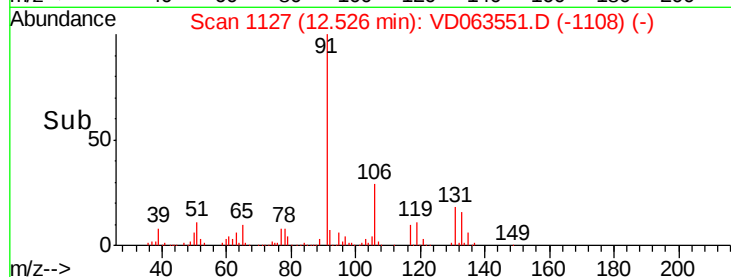
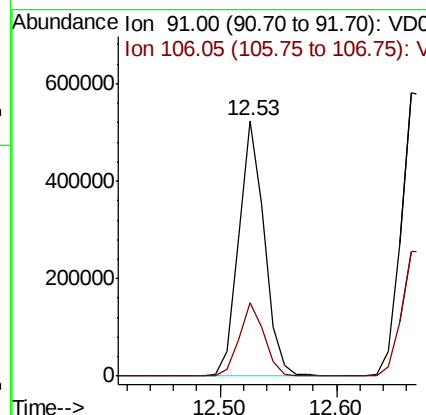
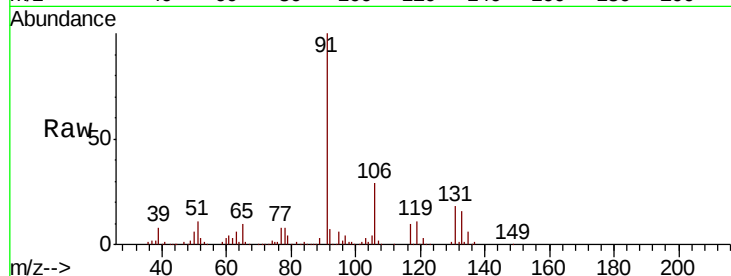




#67
Ethyl Benzene
Concen: 21.779 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

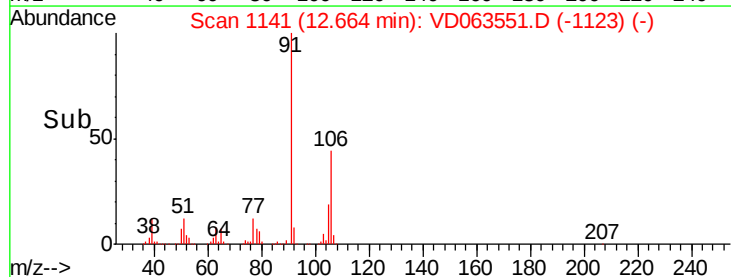
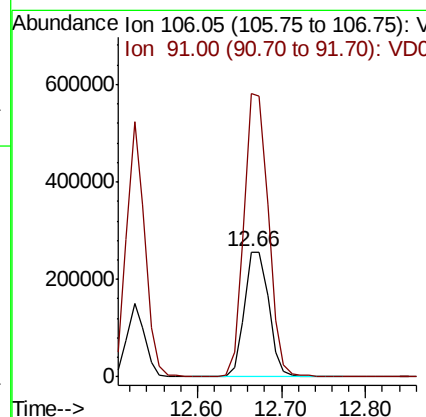
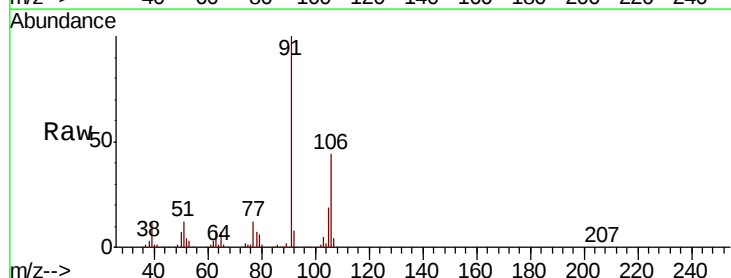
Instrument :
MSVOA_D
ClientSampled :

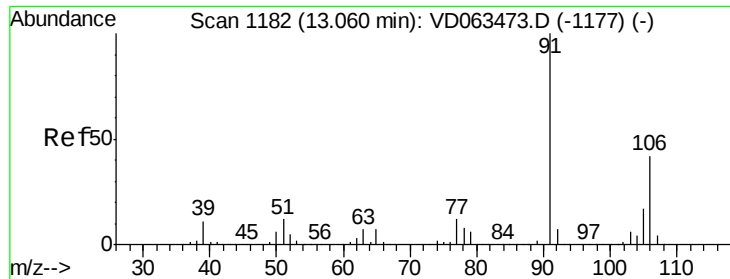
Tot Ion: 91 Resp: 794719
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7



#68
m/p-Xylenes
Concen: 40.609 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 106 Resp: 520611
Ion Ratio Lower Upper
106 100
91 226.3 171.8 257.8

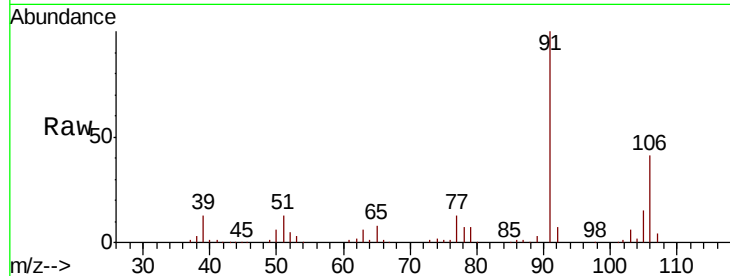




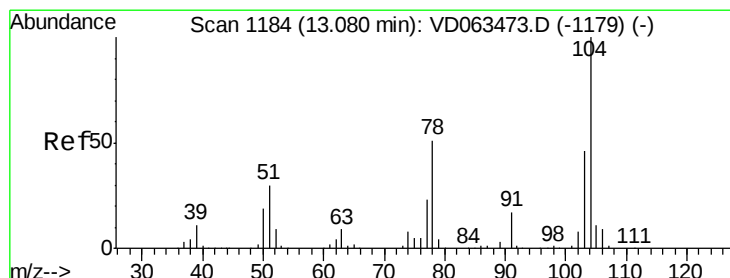
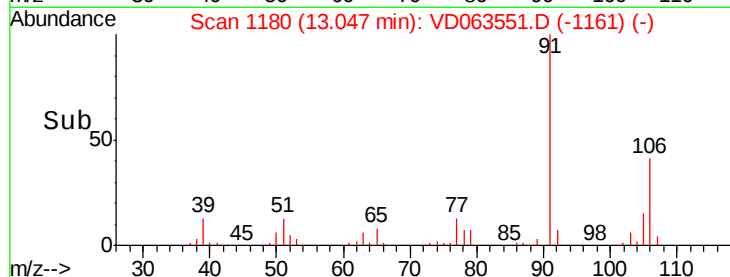
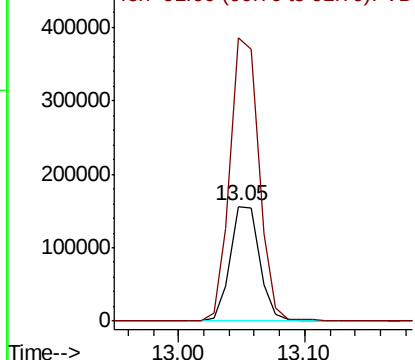
#69
o-Xylene
Concen: 20.475 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 252633
Ion Ratio Lower Upper
106 100
91 246.0 118.1 354.2

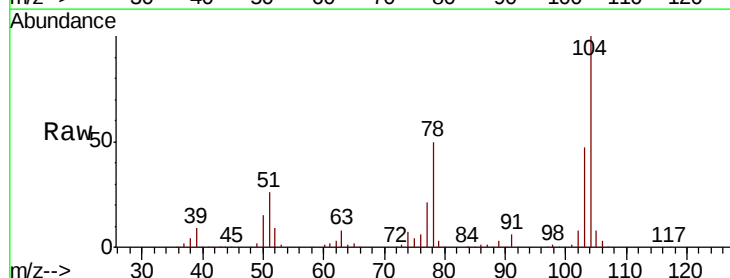


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

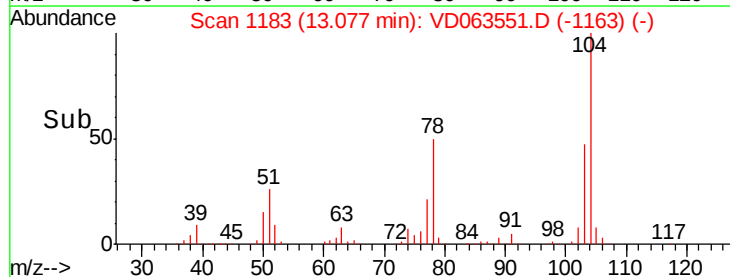
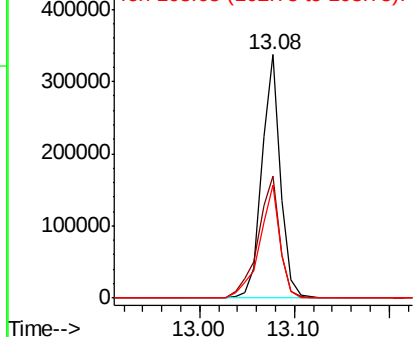


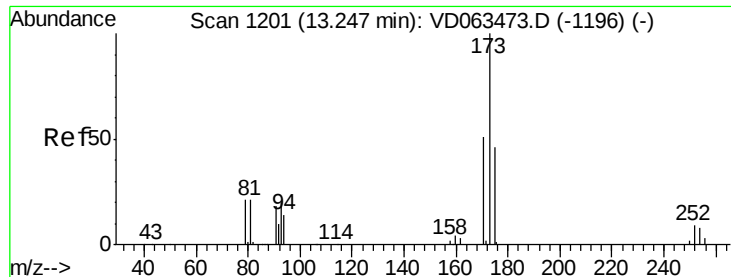
#70
Styrene
Concen: 21.048 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:104 Resp: 461963
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 46.7 36.4 54.6



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





#71

Bromoform

Concen: 22.440 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampled :

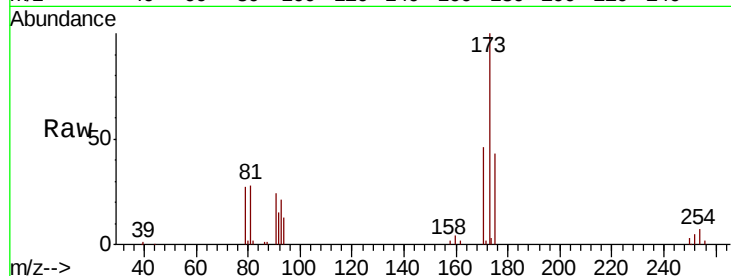
Tot Ion:173 Resp: 142113

Ion Ratio Lower Upper

173 100

175 43.1 22.8 68.3

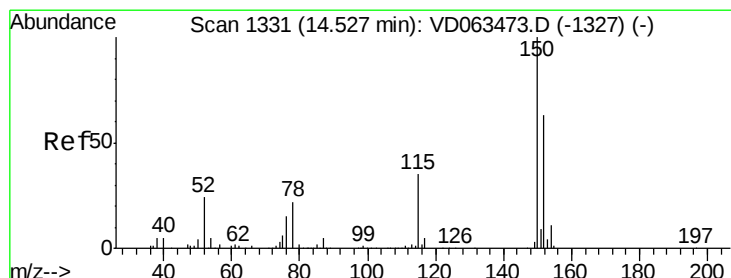
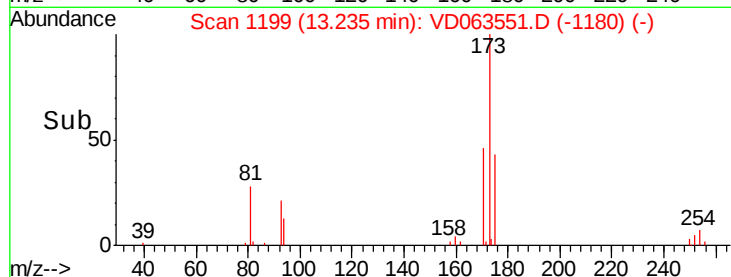
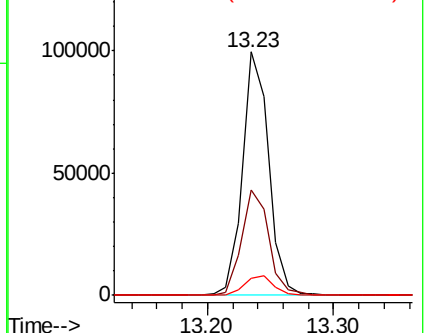
254 7.2 6.6 9.8



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. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

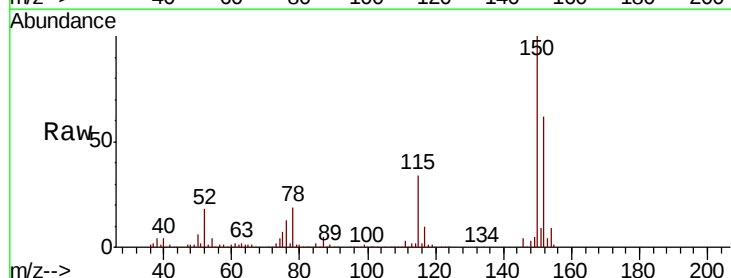
Tgt Ion:152 Resp: 588048

Ion Ratio Lower Upper

152 100

115 55.2 30.9 92.7

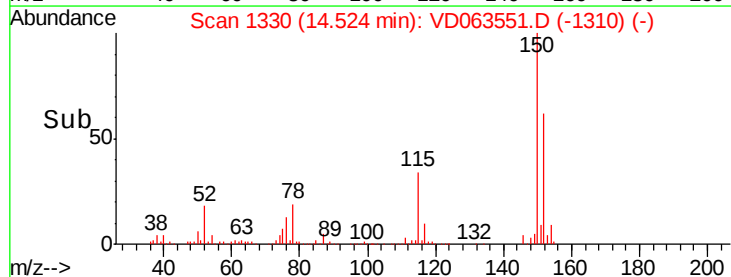
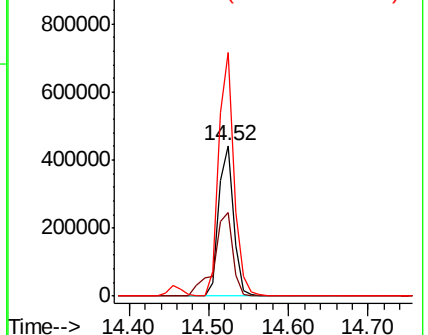
150 161.8 0.0 318.6

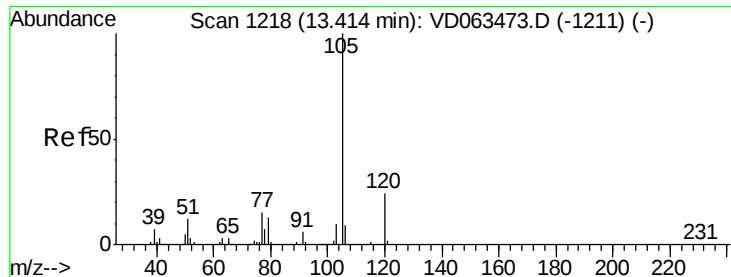


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.390 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

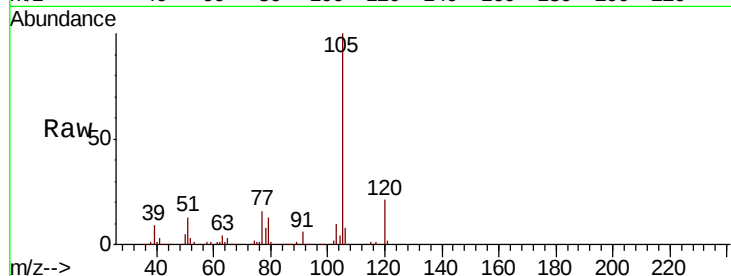
ClientSampleId :

Tot Ion:105 Resp: 725254

Ion Ratio Lower Upper

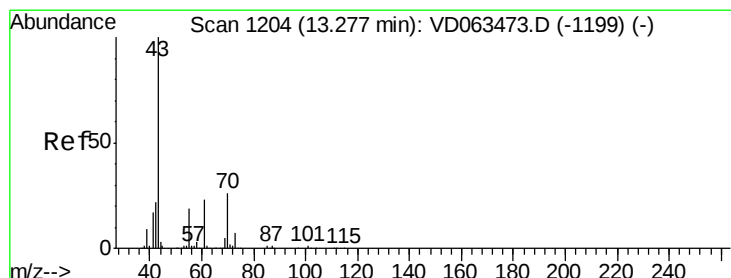
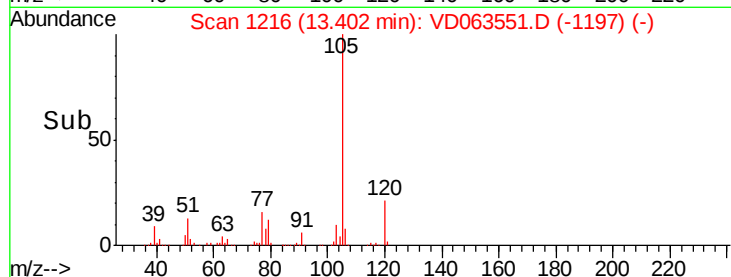
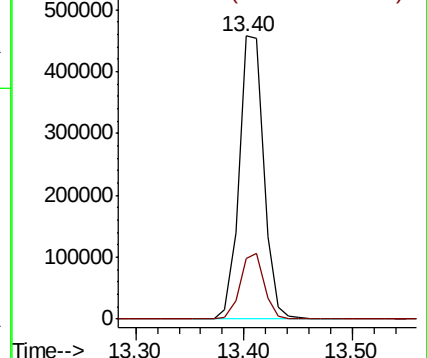
105 100

120 21.4 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: 20.285 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Tgt Ion: 43 Resp: 190465

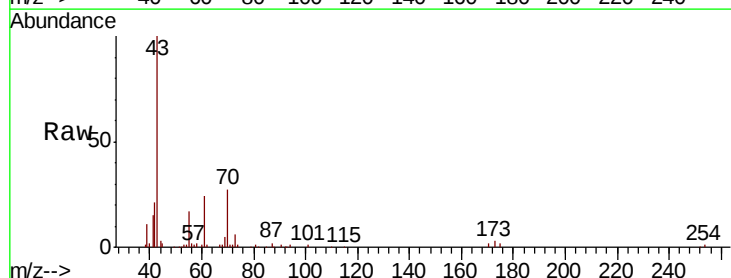
Ion Ratio Lower Upper

43 100

70 26.9 21.1 31.7

55 16.6 15.4 23.0

61 23.8 18.2 27.2

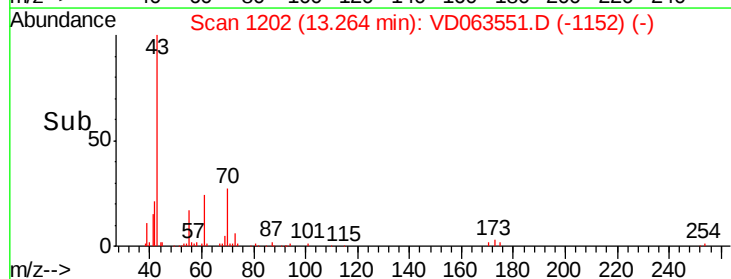
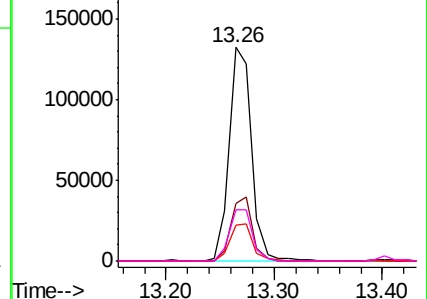


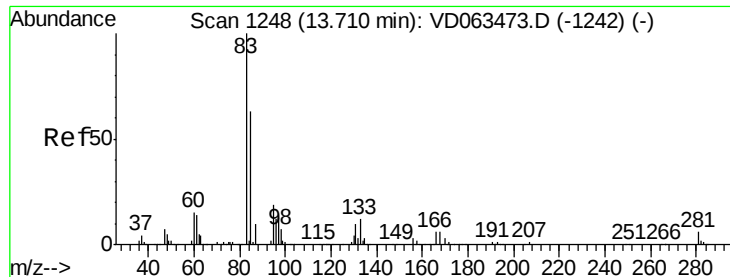
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.599 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

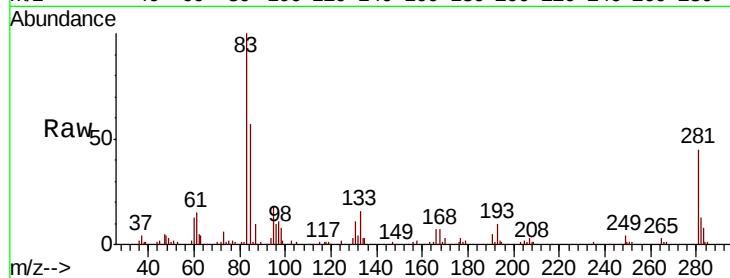
Tot Ion: 83 Resp: 140298

Ion Ratio Lower Upper

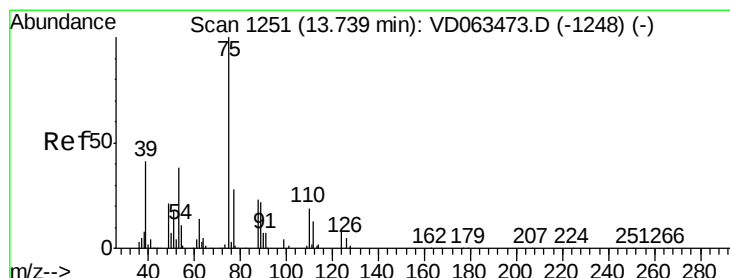
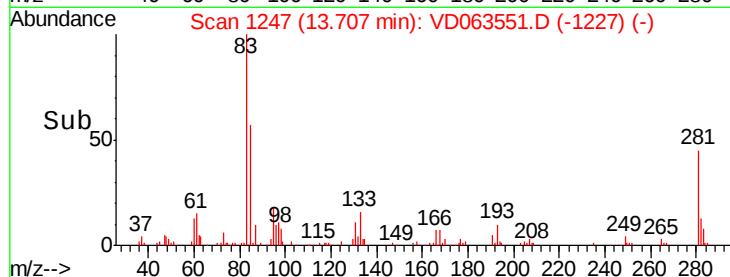
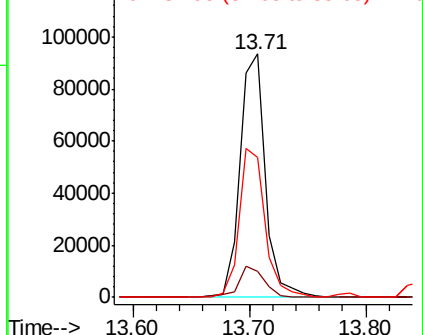
83 100

131 10.9 5.3 15.8

85 57.4 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.828 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063551.D

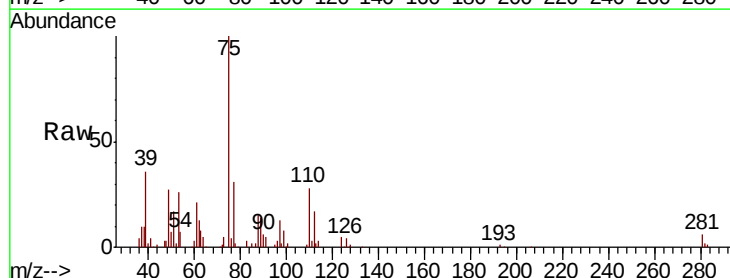
Acq: 14 Aug 2019 3:29

Tgt Ion: 75 Resp: 147317

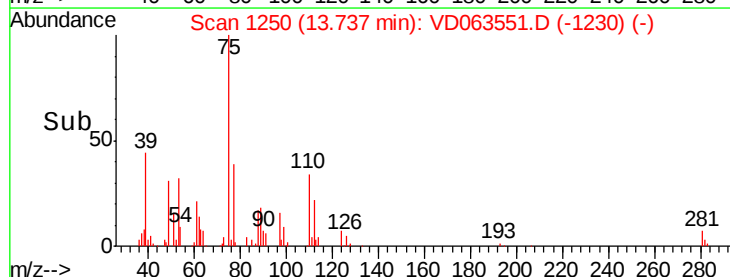
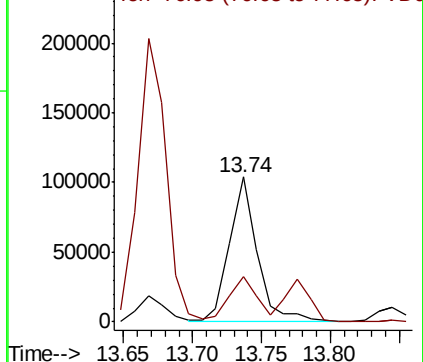
Ion Ratio Lower Upper

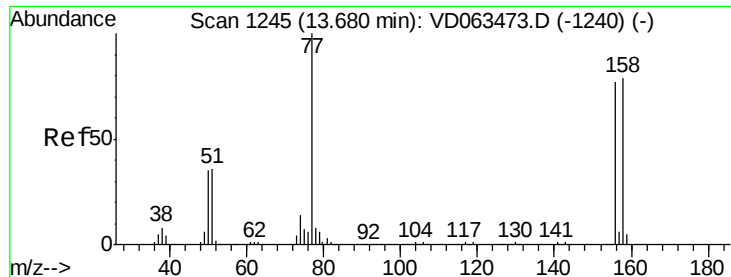
75 100

77 31.2 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: 22.362 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

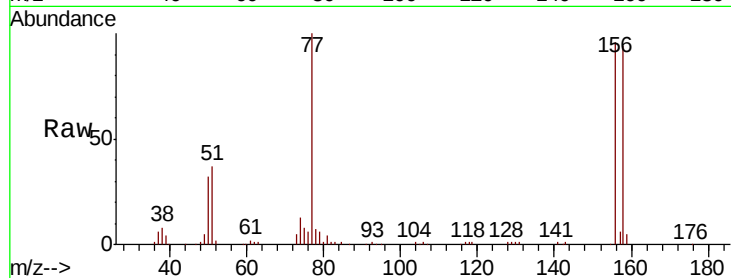
Tot Ion:156 Resp: 228598

Ion Ratio Lower Upper

156 100

77 103.9 64.6 193.8

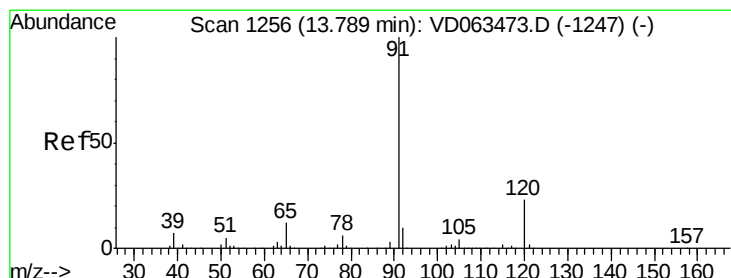
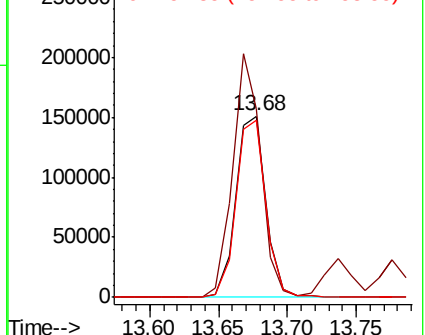
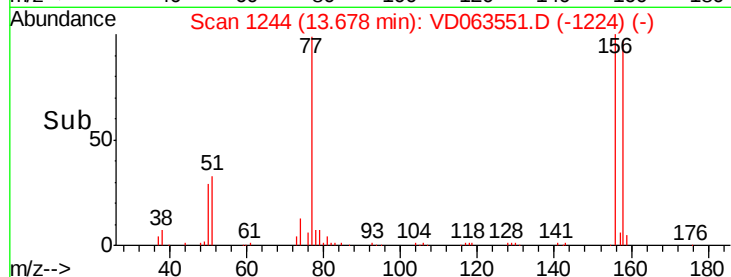
158 97.5 50.9 152.7



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: 21.118 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063551.D

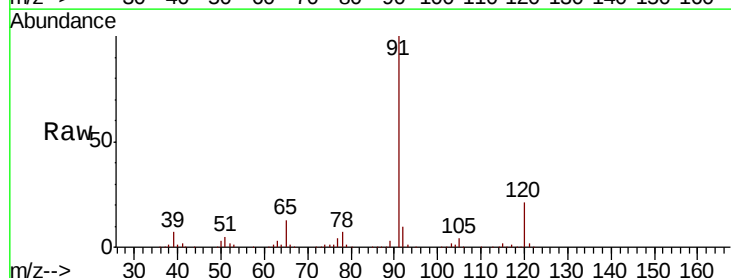
Acq: 14 Aug 2019 3:29

Tgt Ion: 91 Resp: 924182

Ion Ratio Lower Upper

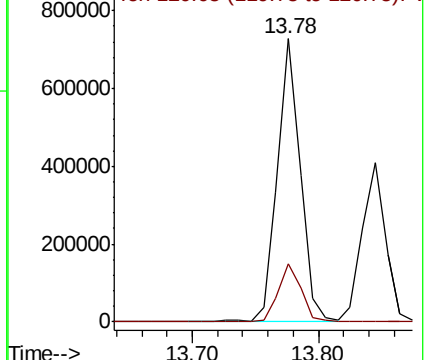
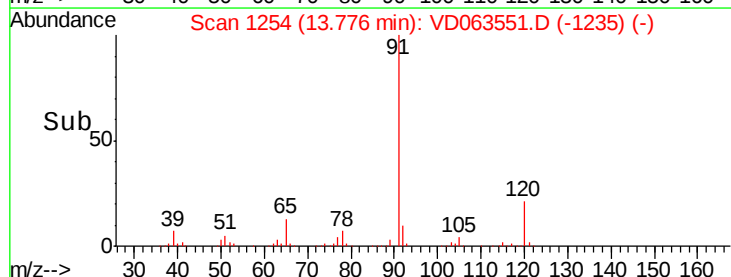
91 100

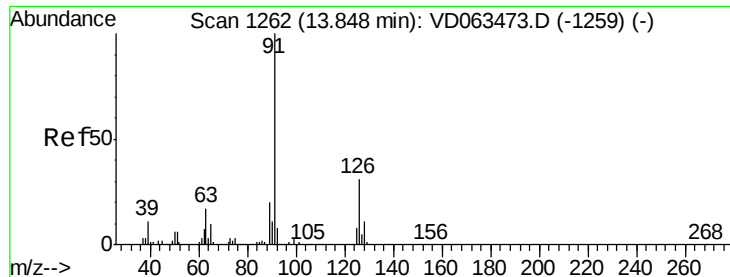
120 20.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

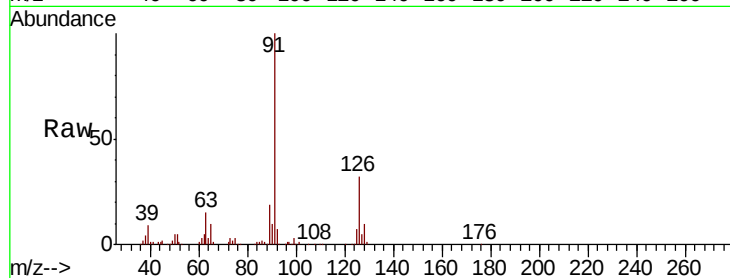




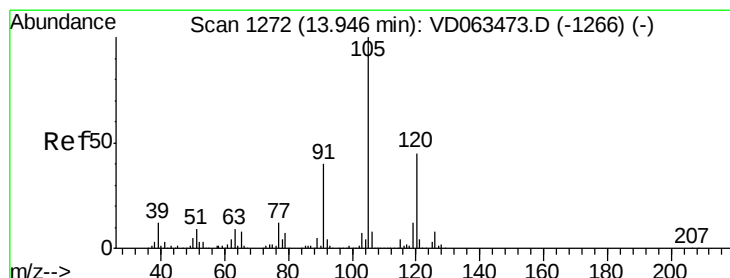
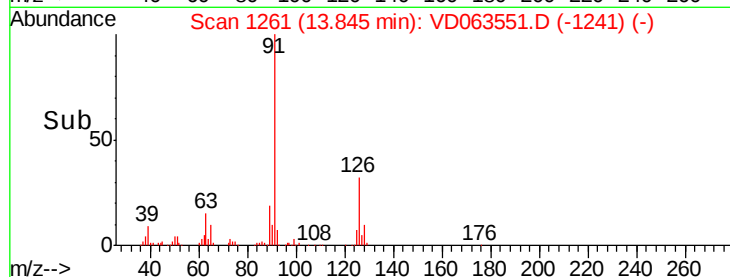
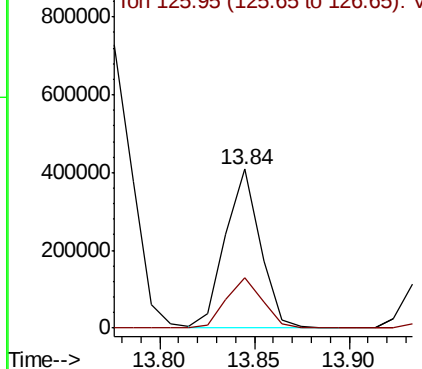
#79
 2-Chlorotoluene
 Concen: 20.706 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 522458
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.7

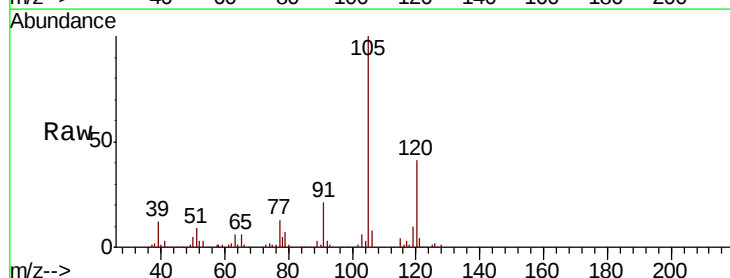


Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)
 Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)

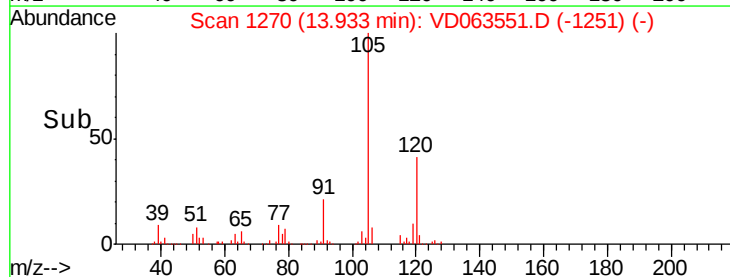
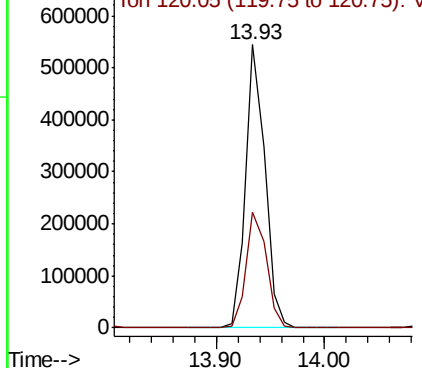


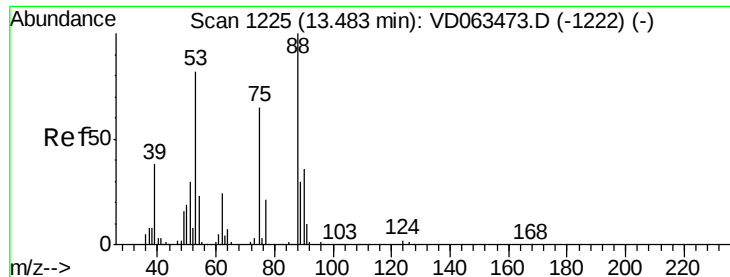
#80
 1,3,5-Trimethylbenzene
 Concen: 20.671 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 105 Resp: 675528
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.376 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampled :

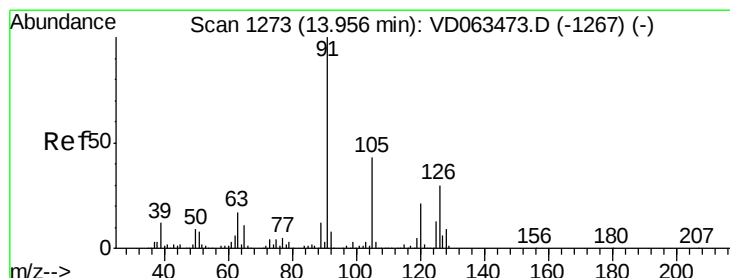
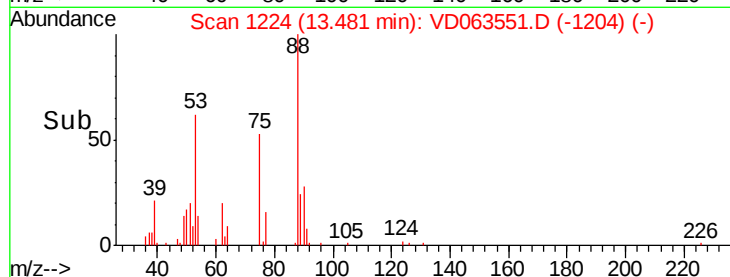
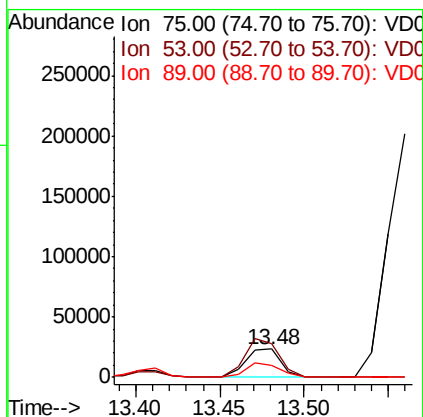
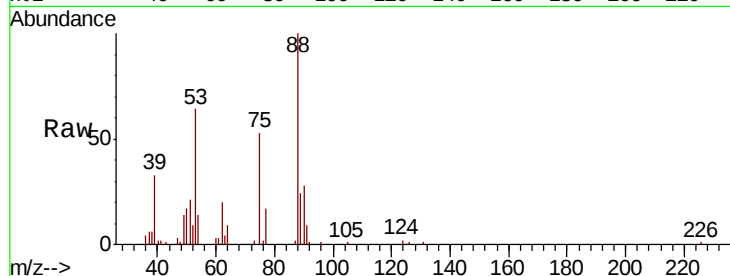
Tot Ion: 75 Resp: 35147

Ion Ratio Lower Upper

75 100

53 119.6 101.0 151.4

89 44.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 20.775 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063551.D

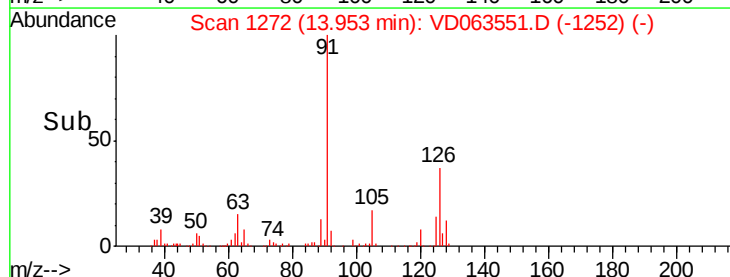
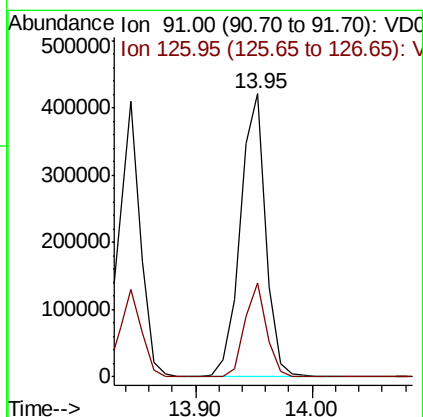
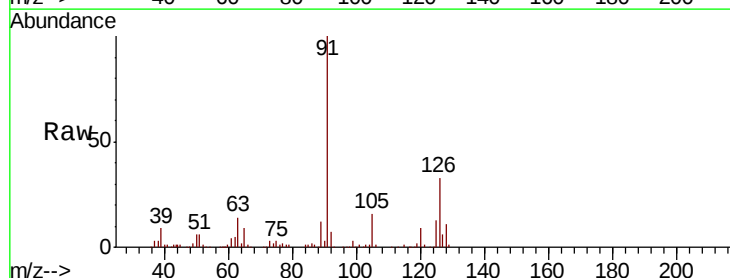
Acq: 14 Aug 2019 3:29

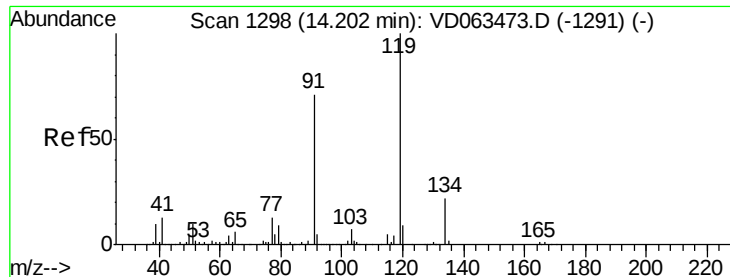
Tgt Ion: 91 Resp: 630376

Ion Ratio Lower Upper

91 100

126 33.3 15.2 45.6

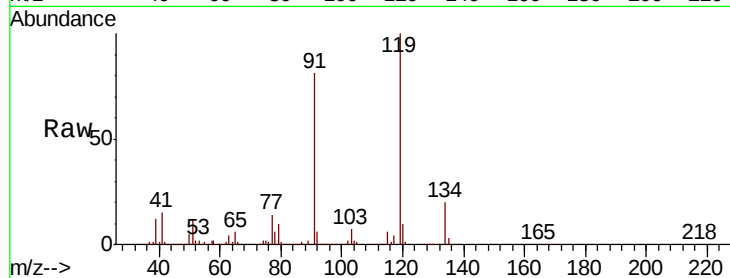




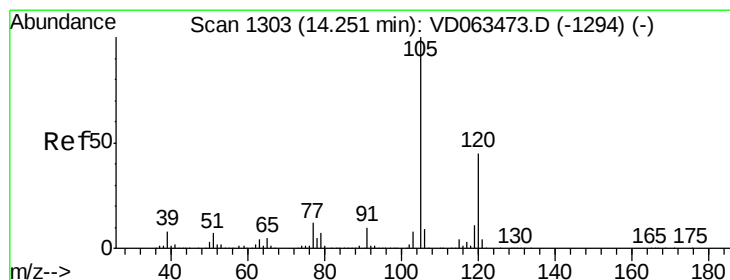
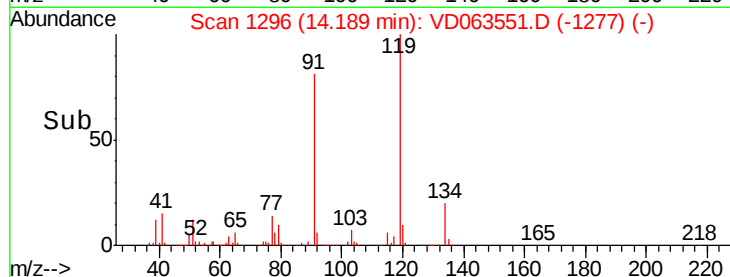
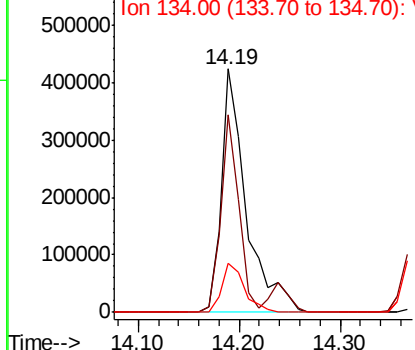
#83
tert-Butylbenzene
Concen: 21.142 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 727568
Ion Ratio Lower Upper
119 100
91 81.1 35.5 106.7
134 20.2 11.1 33.1

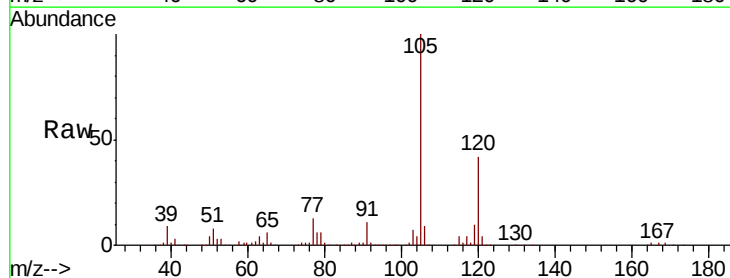


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

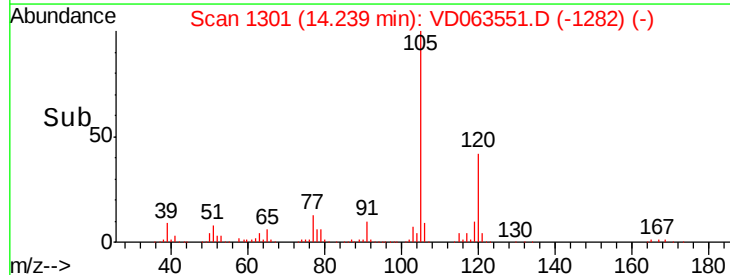
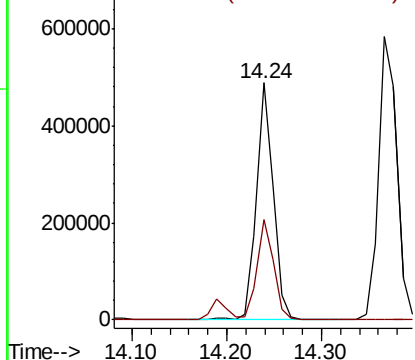


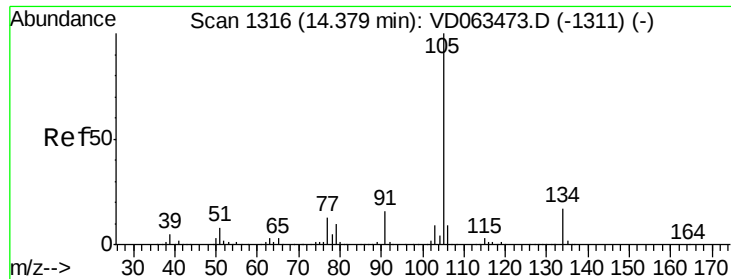
#84
1,2,4-Trimethylbenzene
Concen: 20.000 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:105 Resp: 604759
Ion Ratio Lower Upper
105 100
120 42.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

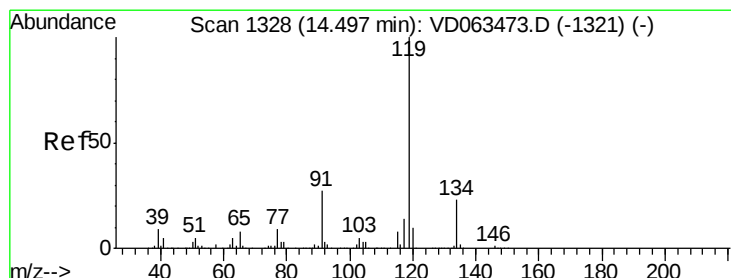
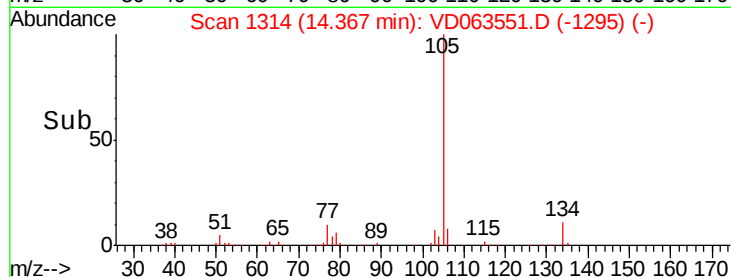
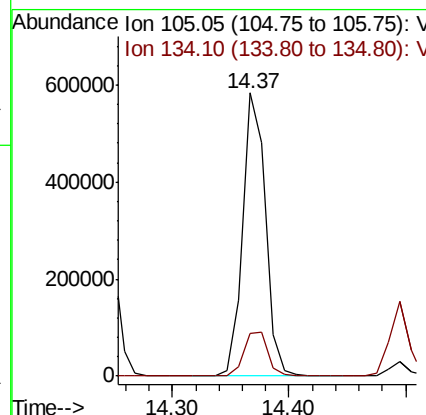
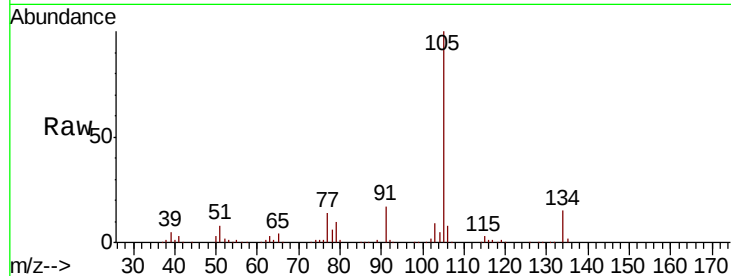




#85
 sec-Butylbenzene
 Concen: 21.556 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

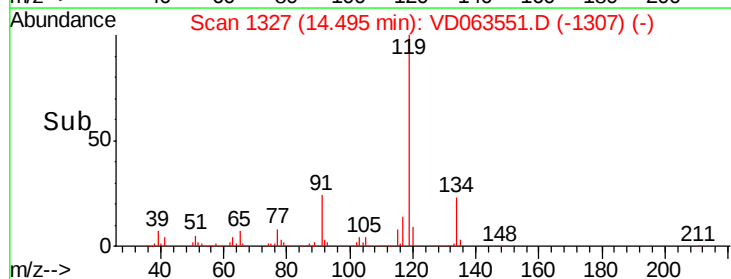
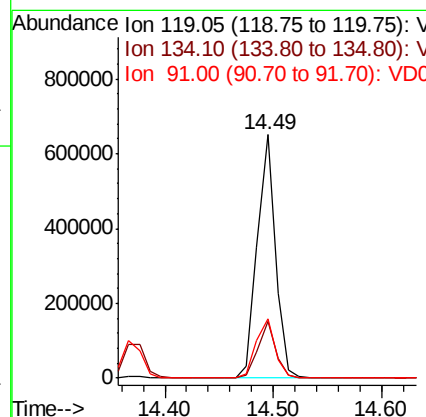
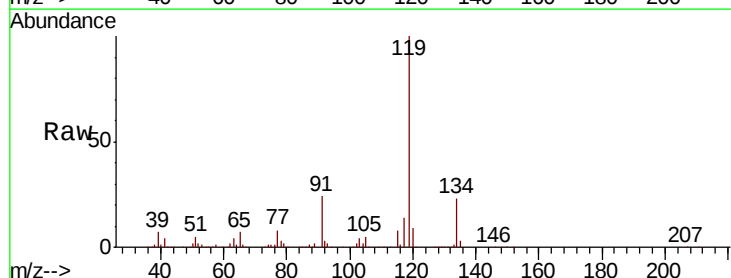
Instrument :
 MSVOA_D
 ClientSampleId :

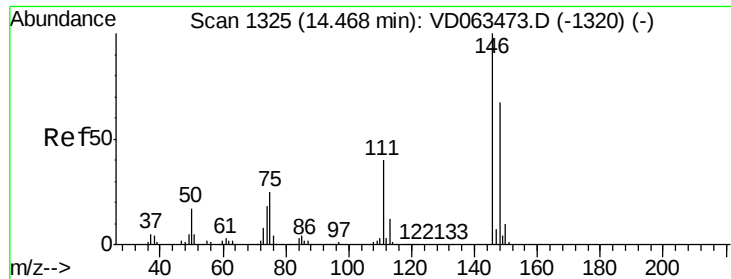
Tot Ion:105 Resp: 787800
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.935 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion:119 Resp: 766487
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.3 33.8
 91 24.3 13.5 40.4

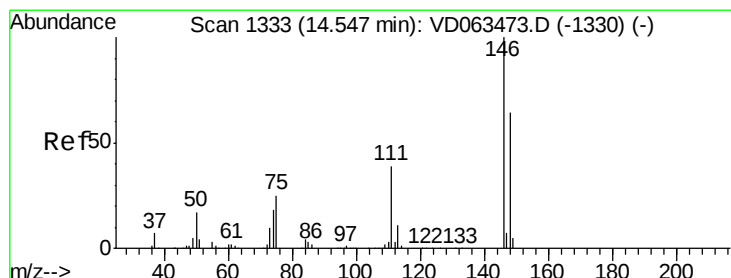
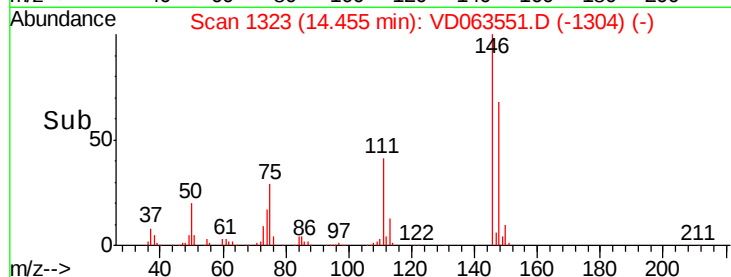
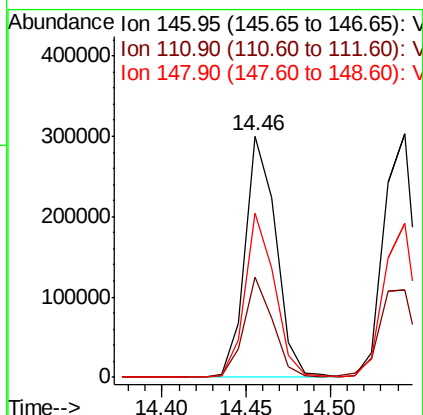
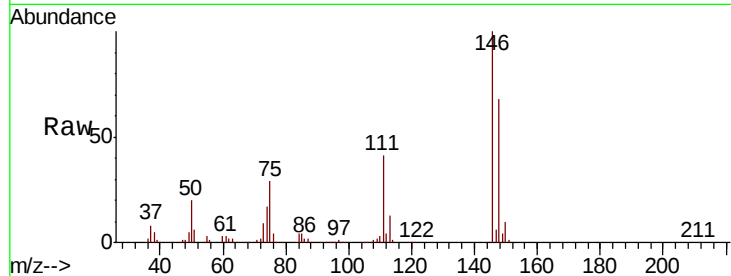




#87
 1,3-Dichlorobenzene
 Concen: 20.678 ug/l
 RT: 14.46 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

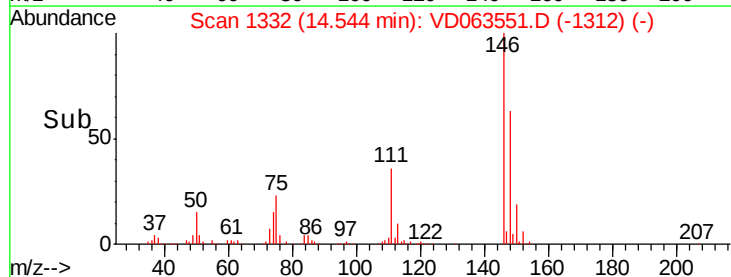
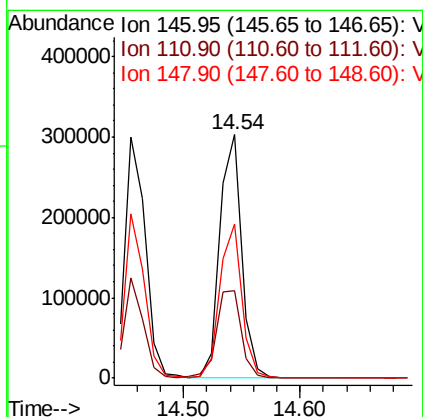
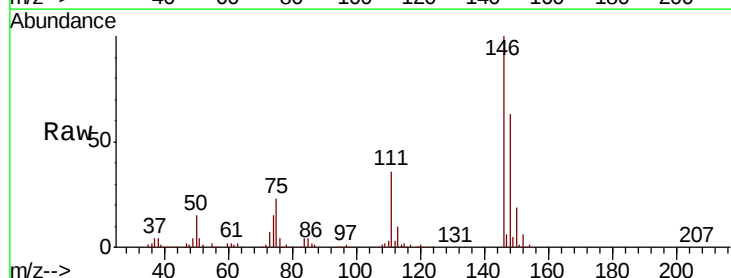
Instrument :
 MSVOA_D
 ClientSampleId :

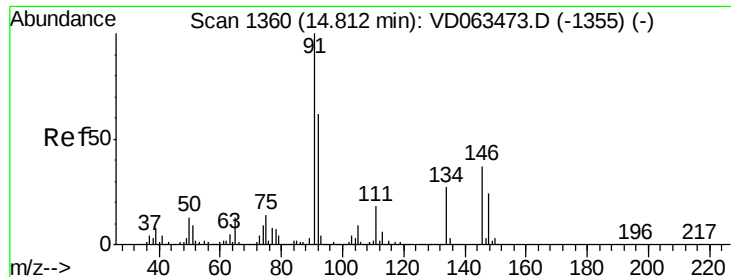
Tot Ion:146 Resp: 382351
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 68.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.303 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion:146 Resp: 395657
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.7 59.0
 148 63.5 32.1 96.3





#89

n-Butylbenzene

Concen: 18.745 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

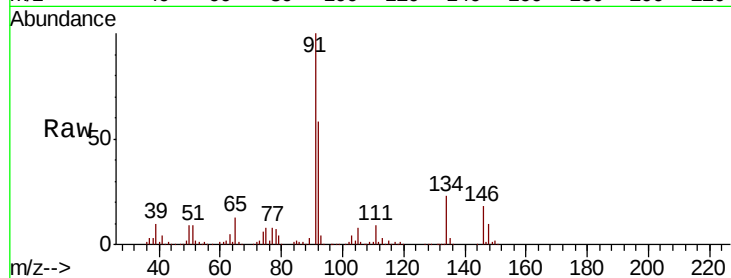
Tot Ion: 91 Resp: 597822

Ion Ratio Lower Upper

91 100

92 58.2 30.8 92.3

134 23.4 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.80

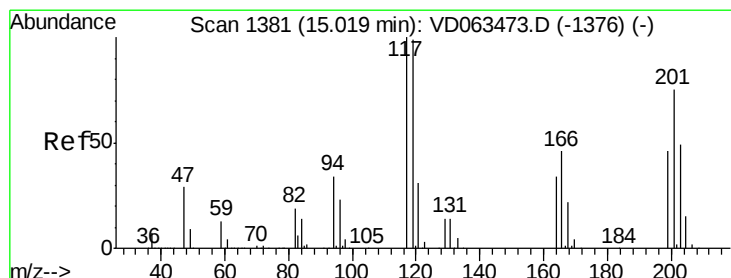
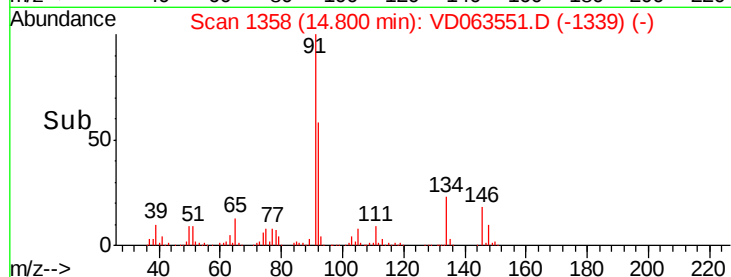
600000

400000

200000

0

Time-->



#90

Hexachloroethane

Concen: 22.348 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063551.D

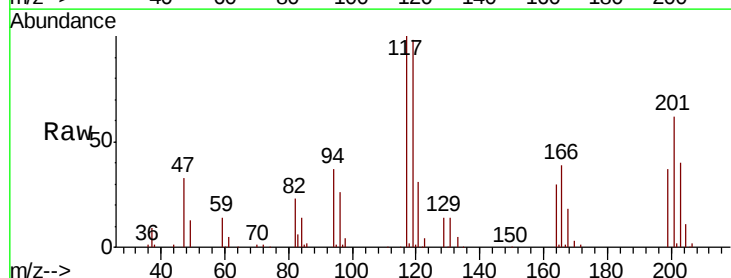
Acq: 14 Aug 2019 3:29

Tgt Ion: 117 Resp: 196288

Ion Ratio Lower Upper

117 100

201 62.1 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.01

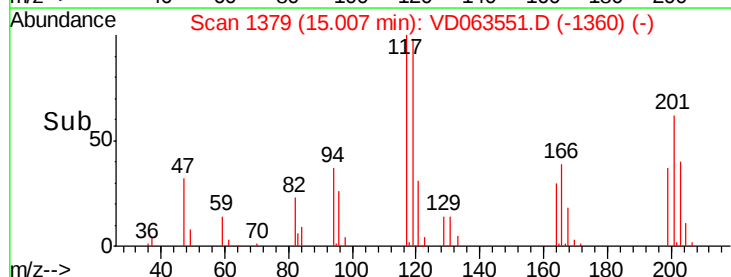
150000

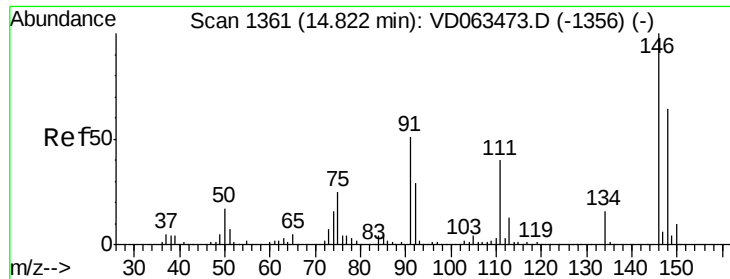
100000

50000

0

Time-->

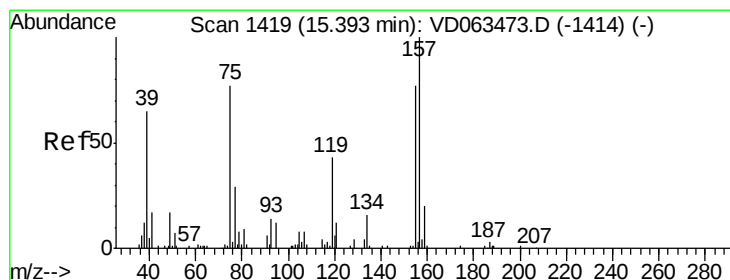
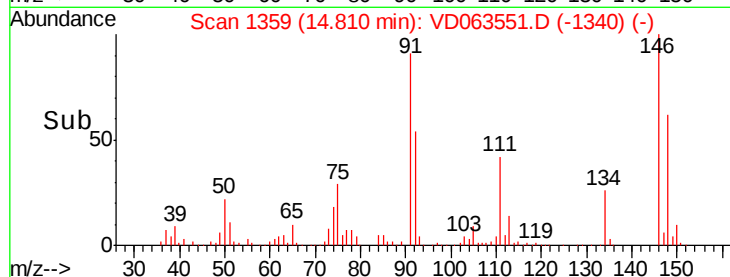
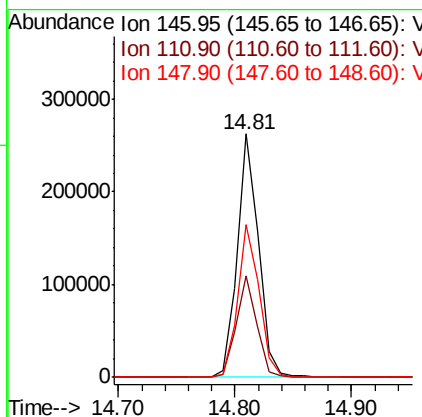
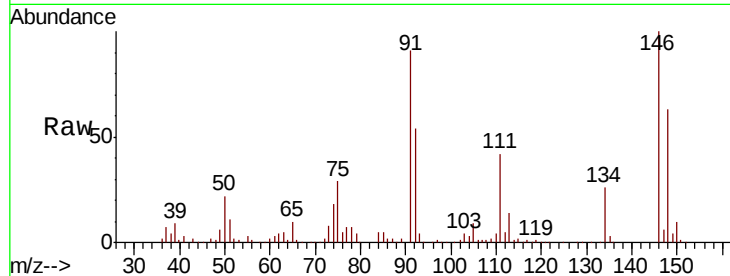




#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

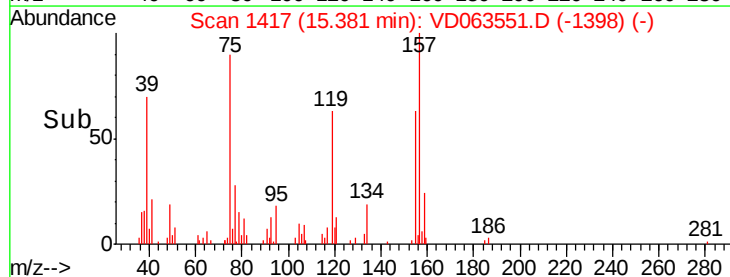
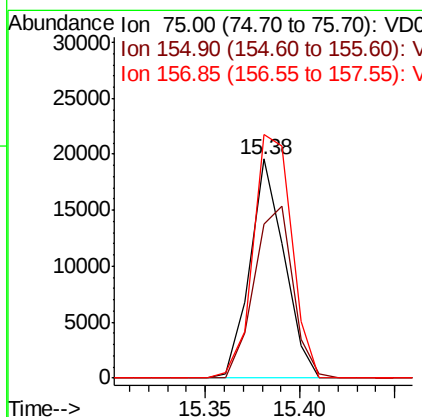
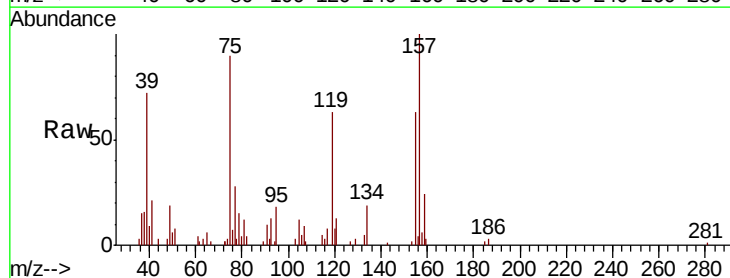
Instrument :
 MSVOA_D
 ClientSampleId :

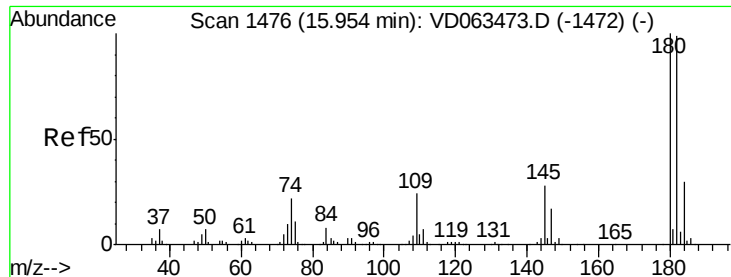
Tot Ion:146 Resp: 332085
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.2 60.6
 148 62.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.074 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 75 Resp: 24635
 Ion Ratio Lower Upper
 75 100
 155 70.3 50.1 150.3
 157 111.1 65.0 195.1

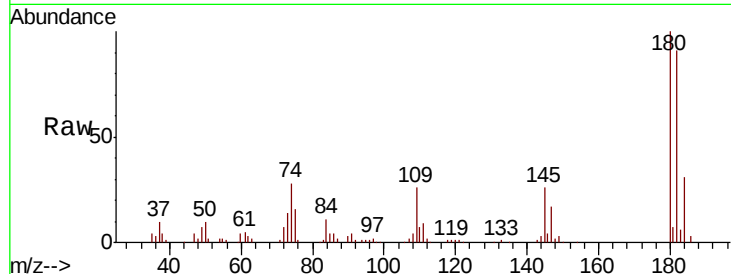




#93
 1,2,4-Trichlorobenzene
 Concen: 21.682 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	49.7	149.1
145	25.8	14.1	42.2

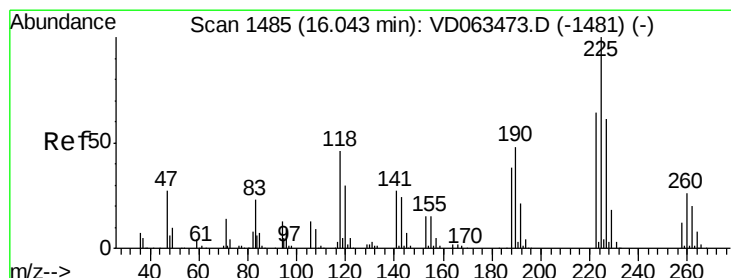
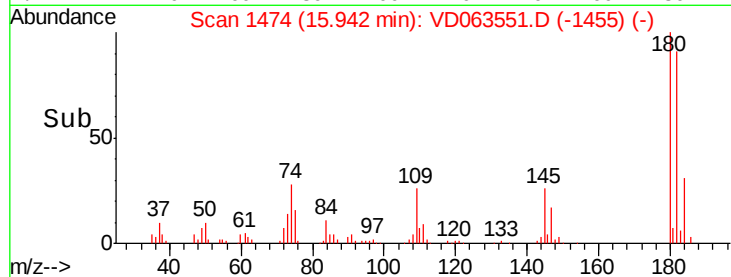
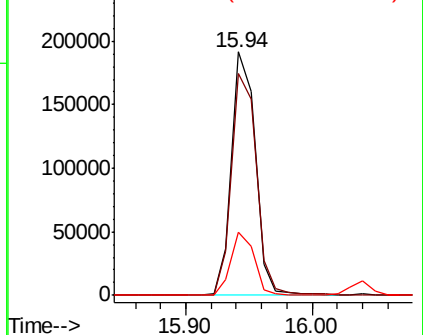


Abundance

Ion 179.85 (179.55 to 180.55): V

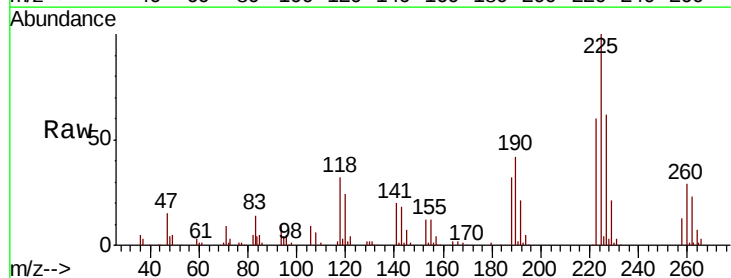
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.110 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.5
227	61.9	30.7	92.1

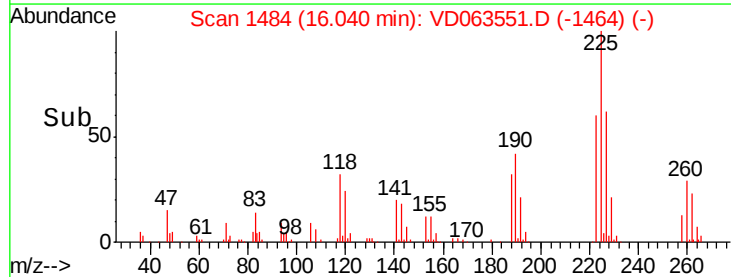
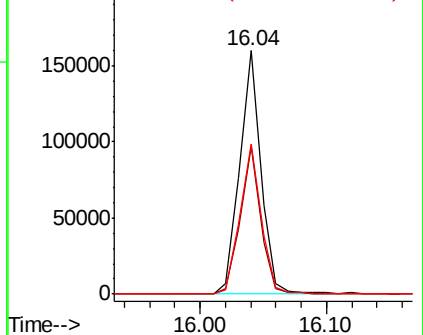


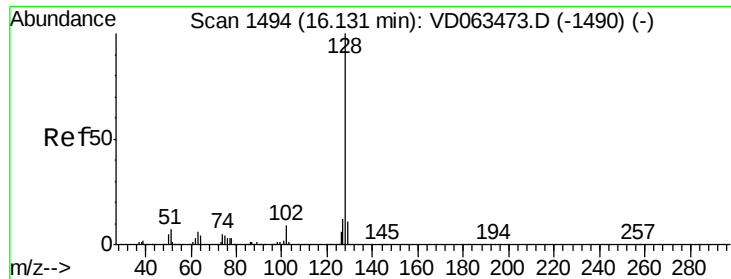
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.534 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

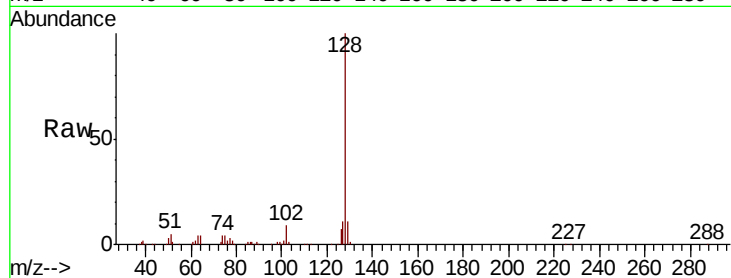
Tot Ion:128 Resp: 376720

Ion Ratio Lower Upper

128 100

127 10.9 9.4 14.0

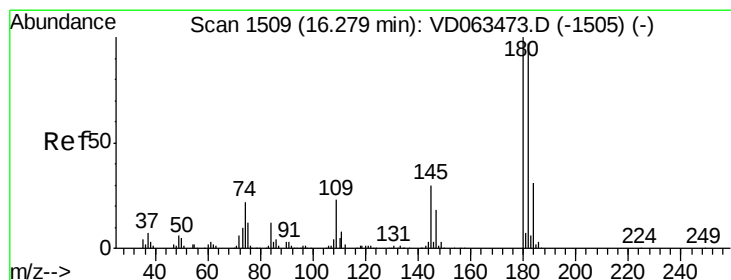
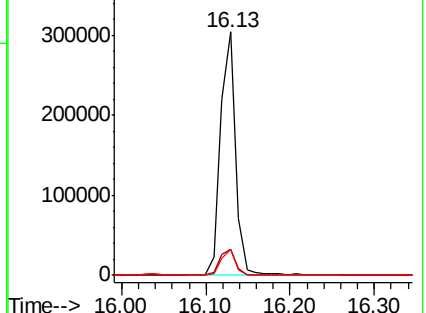
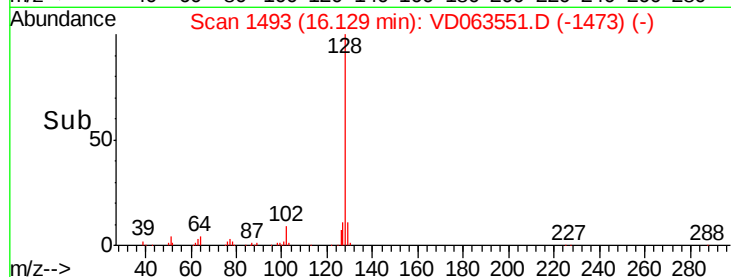
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.165 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

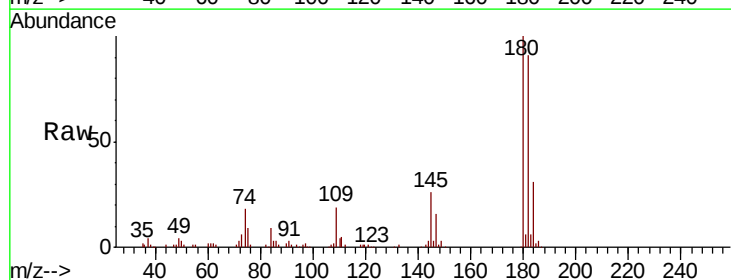
Tgt Ion:180 Resp: 197330

Ion Ratio Lower Upper

180 100

182 91.4 48.4 145.2

145 26.3 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

