

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063730.D
 Acq On : 22 Aug 2019 13:43
 Operator : JC/SY
 Sample : VD0822SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Quant Time: Aug 23 07:08:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	909312	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1301458	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1077613	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	571879	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	514432	52.93	ug/l	-0.01
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	6.92	113	569878	51.99	ug/l	-0.01
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.41	98	1264588	52.48	ug/l	-0.01
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	13.56	95	590280	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	219997	19.998	ug/l	92
3) Chloromethane	1.74	50	193864	22.555	ug/l	95
4) Vinyl Chloride	1.83	62	182502	21.389	ug/l	98
5) Bromomethane	2.14	94	69078	17.157	ug/l	94
6) Chloroethane	2.25	64	64872m	16.626	ug/l	
7) Trichlorofluoromethane	2.51	101	342476	20.463	ug/l	99
8) Diethyl Ether	2.87	74	52330	22.145	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.13	101	189142	19.139	ug/l	93
10) Methyl Iodide	3.29	142	233888	16.727	ug/l #	93
11) Tert butyl alcohol	4.08	59	52379	123.791	ug/l	100
12) 1,1-Dichloroethene	3.11	96	146378	19.922	ug/l	95
13) Acrolein	3.03	56	30802	73.957	ug/l	86
14) Allyl chloride	3.62	41	236822	21.440	ug/l	89
15) Acrylonitrile	4.20	53	142899	127.502	ug/l	94
16) Acetone	3.22	43	195812	99.102	ug/l	99
17) Carbon Disulfide	3.36	76	439558	18.955	ug/l	97
18) Methyl Acetate	3.64	43	91434	24.431	ug/l #	86
19) Methyl tert-butyl Ether	4.24	73	360919	24.562	ug/l	95
20) Methylene Chloride	3.80	84	192250	22.502	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	180035	23.284	ug/l	93
22) Diisopropyl ether	5.11	45	507599	22.270	ug/l	93
23) Vinyl Acetate	5.05	43	1535177	115.856	ug/l	99
24) 1,1-Dichloroethane	4.97	63	321780	22.762	ug/l	97
25) 2-Butanone	6.08	43	223844	114.708	ug/l	95
26) 2,2-Dichloropropane	6.02	77	299355	21.260	ug/l	89
27) cis-1,2-Dichloroethene	6.04	96	202278	23.911	ug/l	93
28) Bromochloromethane	6.43	49	126471	22.074	ug/l	98
29) Tetrahydrofuran	6.46	42	105852	116.409	ug/l	95
30) Chloroform	6.67	83	379598	21.603	ug/l	92
31) Cyclohexane	6.94	56	183508	20.910	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	364681	21.696	ug/l	96
36) 1,1-Dichloropropene	7.14	75	231800	20.147	ug/l	98
37) Ethyl Acetate	6.19	43	106917	22.177	ug/l #	93
38) Carbon Tetrachloride	7.11	117	348297	20.087	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063730.D
 Acq On : 22 Aug 2019 13:43
 Operator : JC/SY
 Sample : VD0822SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Quant Time: Aug 23 07:08:58 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)

39) Methylcyclohexane	8.86	83	199967	20.440	ug/l	98
40) Benzene	7.46	78	551319	21.775	ug/l	100
41) Methacrylonitrile	6.45	41	144768	23.849	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	282730	22.208	ug/l	97
43) Isopropyl Acetate	9.25	43	147382	22.826	ug/l #	93
44) Trichloroethene	8.54	130	208094	21.503	ug/l	99
45) 1,2-Dichloropropane	8.94	63	137653	23.346	ug/l	98
46) Dibromomethane	9.06	93	120778	23.987	ug/l	92
47) Bromodichloromethane	9.37	83	301325	23.330	ug/l	99
48) Methyl methacrylate	9.12	41	103537	23.644	ug/l	98
49) 1,4-Dioxane	9.10	88	19498	511.034	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	506605	114.661	ug/l	91
52) Toluene	10.51	92	337192	20.677	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	247121	23.445	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	245205	20.631	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	123044	22.336	ug/l	98
56) Ethyl methacrylate	11.05	69	126952	21.233	ug/l	98
57) 1,3-Dichloropropane	11.41	76	196079	23.548	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	350523	111.046	ug/l	100
59) 2-Hexanone	11.54	43	387330	120.481	ug/l	99
60) Dibromochloromethane	11.69	129	230294	22.974	ug/l	96
61) 1,2-Dibromoethane	11.81	107	151582	22.730	ug/l	97
64) Tetrachloroethene	11.26	164	179532	21.581	ug/l	93
65) Chlorobenzene	12.41	112	444704	22.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	211705	23.817	ug/l	93
67) Ethyl Benzene	12.52	91	813878	23.176	ug/l	98
68) m/p-Xylenes	12.67	106	569901	46.191	ug/l	94
69) o-Xylene	13.06	106	258228	21.746	ug/l	93
70) Styrene	13.08	104	487841	23.095	ug/l	96
71) Bromoform	13.23	173	142264	23.342	ug/l	95
73) Isopropylbenzene	13.40	105	785217	21.587	ug/l	99
74) N-amyl acetate	13.26	43	221740	24.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	132963	22.023	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	153118	23.330	ug/l	99
77) Bromobenzene	13.68	156	225338	22.667	ug/l	77
78) n-propylbenzene	13.78	91	939661	22.079	ug/l	97
79) 2-Chlorotoluene	13.84	91	554847	22.611	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	684377	21.534	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	38570	21.865	ug/l	93
82) 4-Chlorotoluene	13.95	91	647880	21.956	ug/l	96
83) tert-Butylbenzene	14.19	119	769551	22.994	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	699985	23.804	ug/l	95
85) sec-Butylbenzene	14.37	105	828736	23.317	ug/l	99
86) p-Isopropyltoluene	14.49	119	732806	21.564	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	393356	21.875	ug/l	92
88) 1,4-Dichlorobenzene	14.54	146	384783	22.303	ug/l	95
89) n-Butylbenzene	14.80	91	628645	20.269	ug/l	92
90) Hexachloroethane	15.01	117	192158	22.497	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	338493	22.187	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22844	20.095	ug/l	79

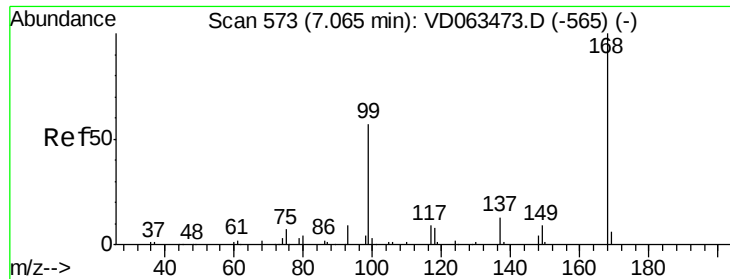
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
Data File : VD063730.D
Acq On : 22 Aug 2019 13:43
Operator : JC/SY
Sample : VD0822SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Quant Time: Aug 23 07:08:58 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)
93) 1,2,4-Trichlorobenzene	15.94	180	251369	22.392	ug/l	95
94) Hexachlorobutadiene	16.04	225	196414	22.957	ug/l	99
95) Naphthalene	16.13	128	399311	23.471	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	203116	22.401	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

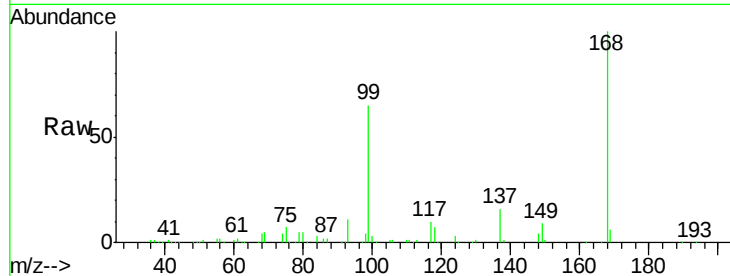
VD0822SBS01

Tot Ion:168 Resp: 909312

Ion Ratio Lower Upper

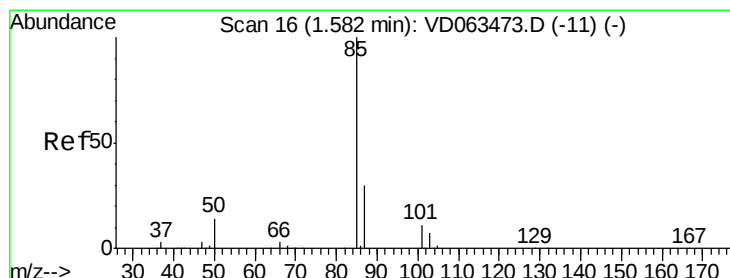
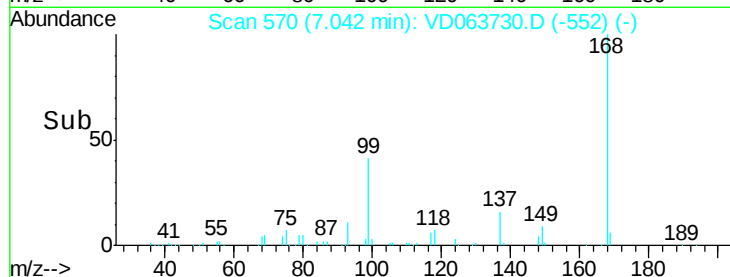
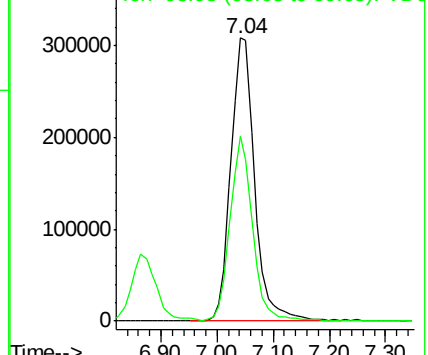
168 100

99 65.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.998 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063730.D

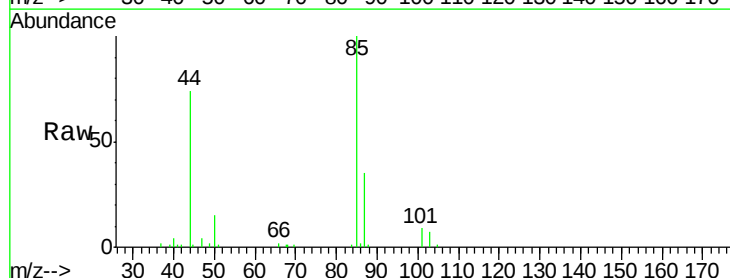
Acq: 22 Aug 2019 13:43

Tgt Ion: 85 Resp: 219997

Ion Ratio Lower Upper

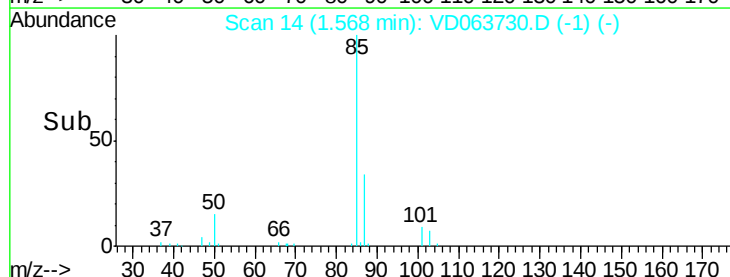
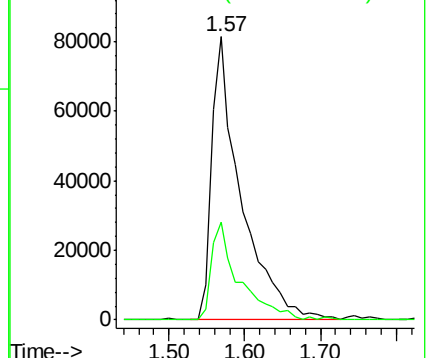
85 100

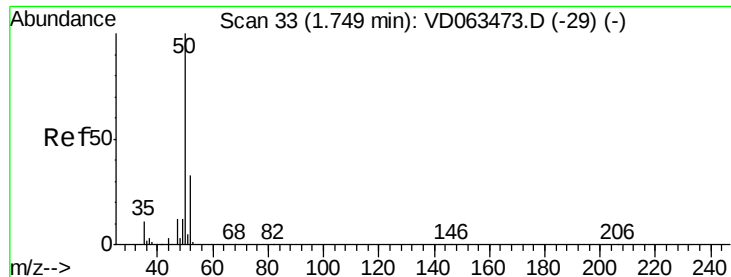
87 34.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.555 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

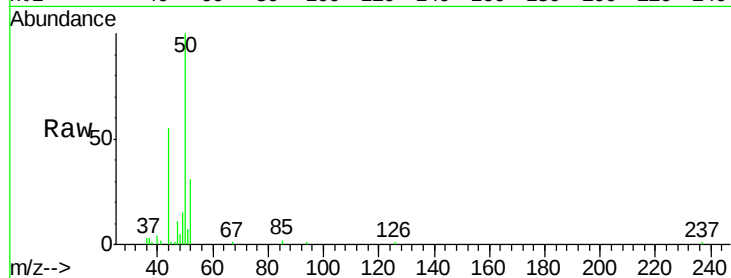
VD0822SBS01

Tot Ion: 50 Resp: 193864

Ion Ratio Lower Upper

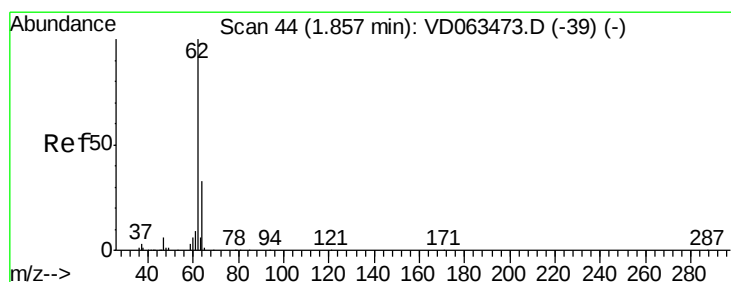
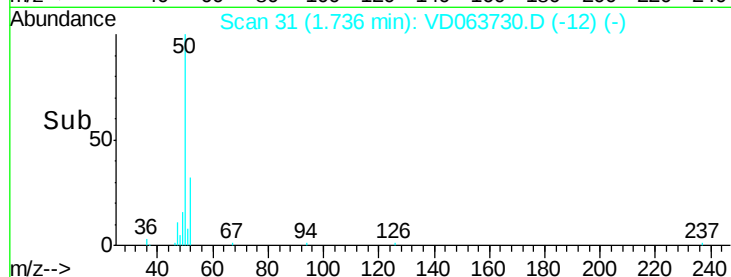
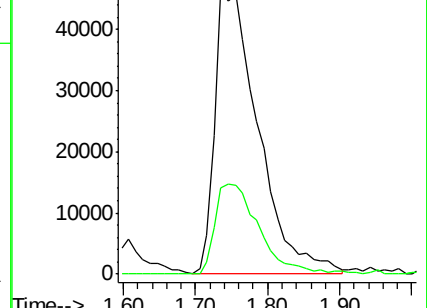
50 100

52 30.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.389 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD063730.D

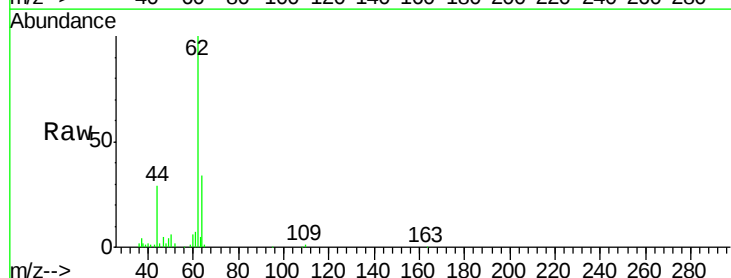
Acq: 22 Aug 2019 13:43

Tgt Ion: 62 Resp: 182502

Ion Ratio Lower Upper

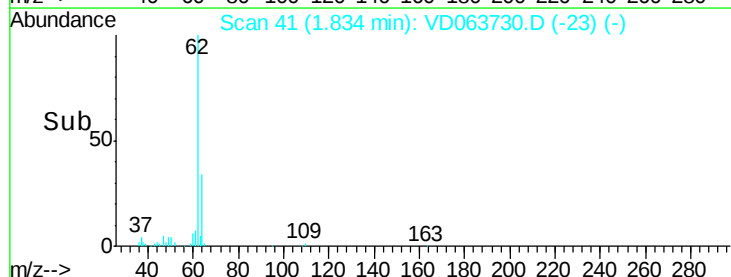
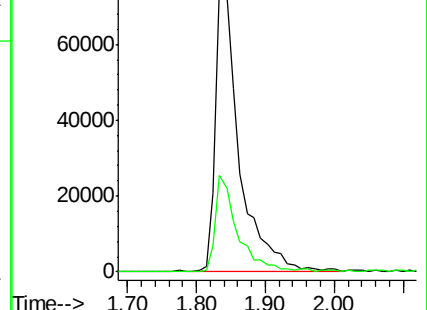
62 100

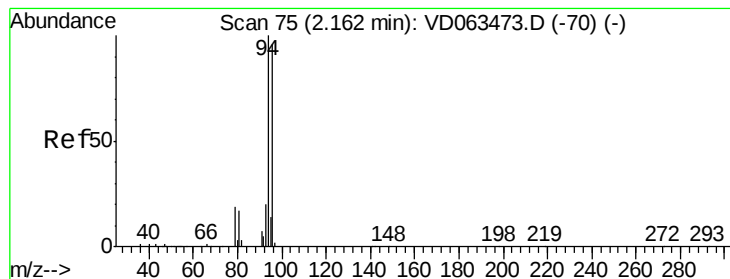
64 34.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.157 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

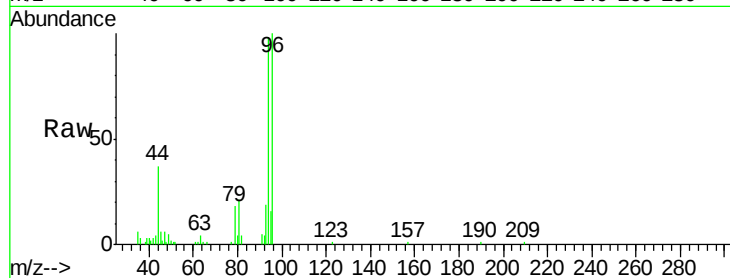
Tot Ion: 94 Resp: 69078

Ion Ratio Lower Upper

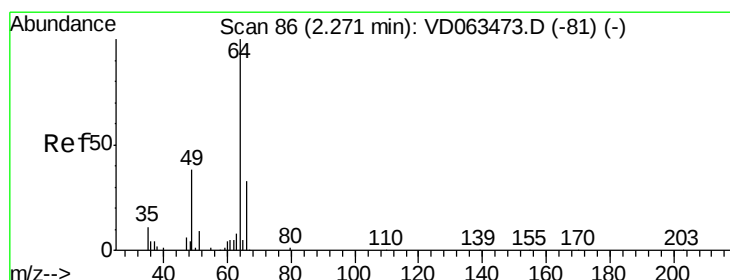
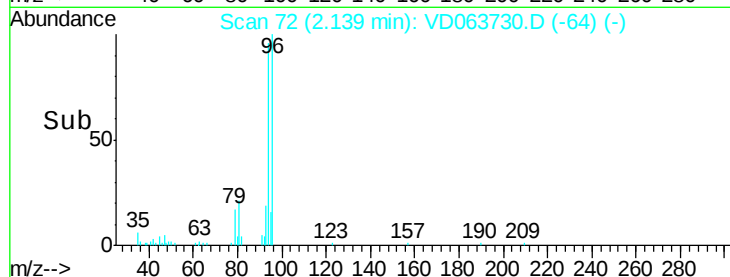
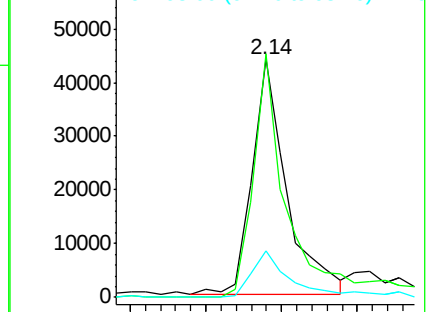
94 100

96 102.2 76.5 114.7

93 19.4 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: 16.626 ug/l m

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063730.D

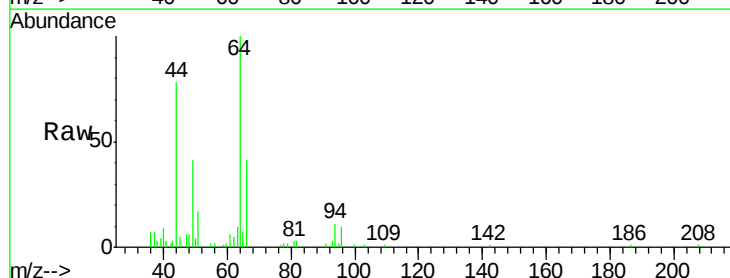
Acq: 22 Aug 2019 13:43

Tgt Ion: 64 Resp: 64872

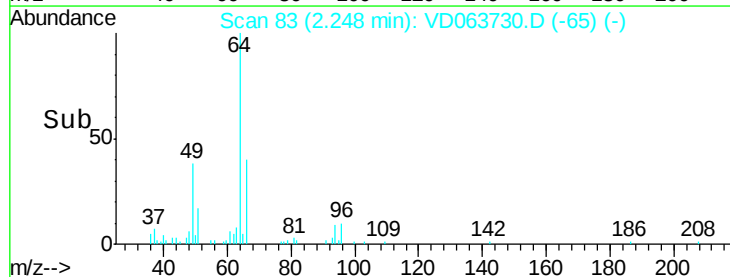
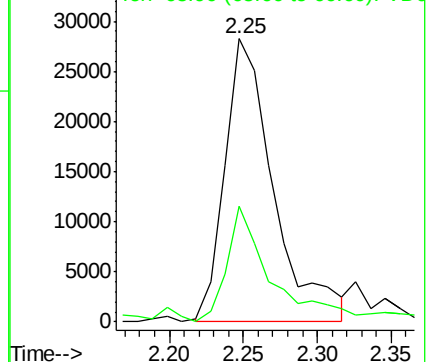
Ion Ratio Lower Upper

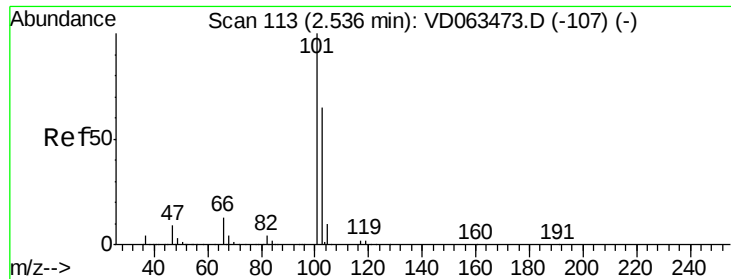
64 100

66 40.8 26.3 39.5#



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



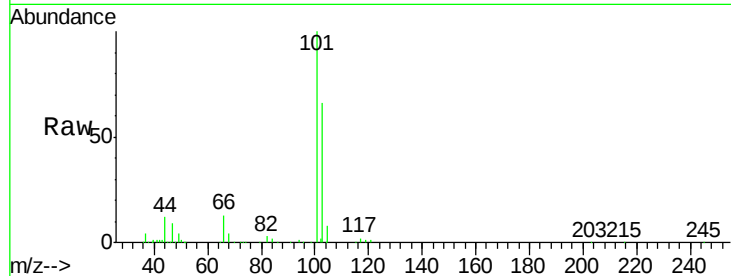


#7

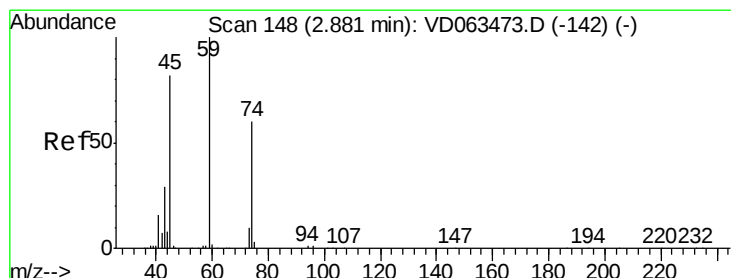
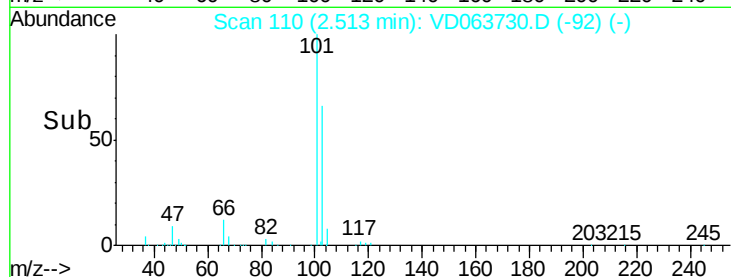
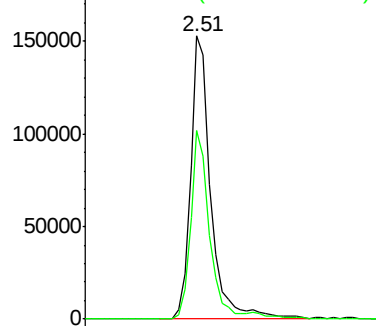
Trichlorofluoromethane
 Concen: 20.463 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.02 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion:101 Resp: 342476
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.2 78.4



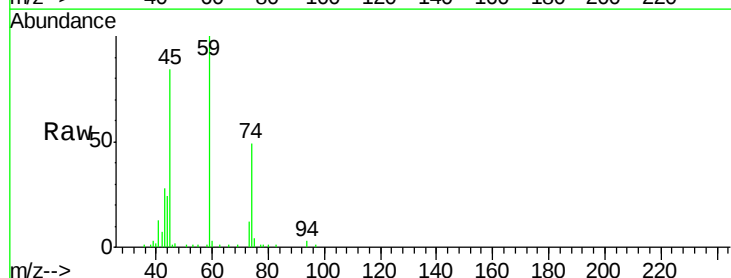
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



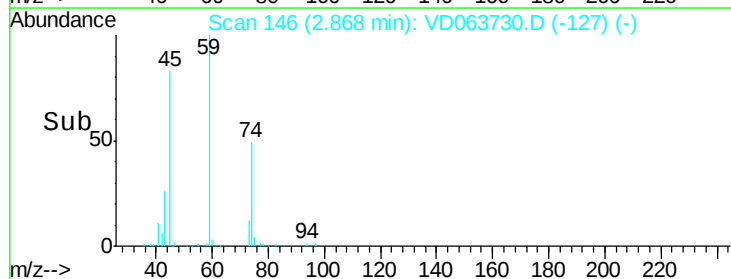
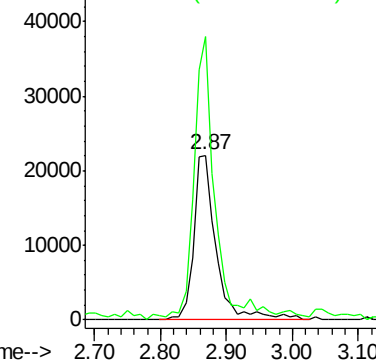
#8

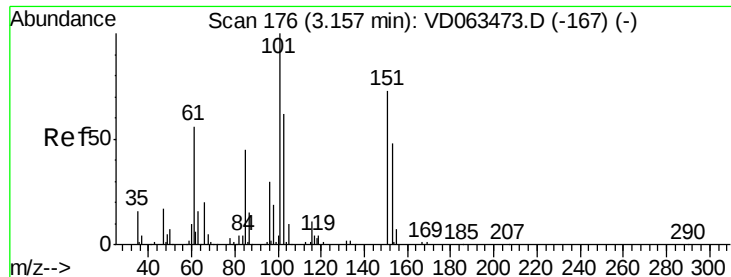
Diethyl Ether
 Concen: 22.145 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion: 74 Resp: 52330
 Ion Ratio Lower Upper
 74 100
 45 172.0 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.139 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

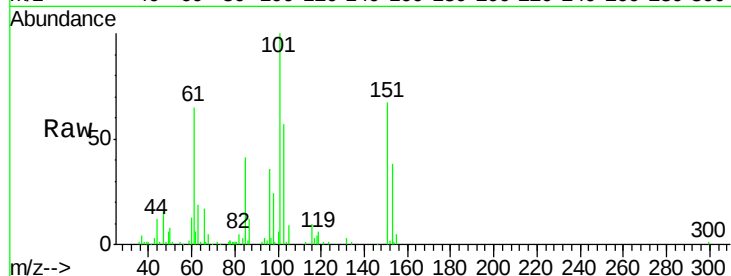
Tot Ion:101 Resp: 189142

Ion Ratio Lower Upper

101 100

85 41.1 35.8 53.6

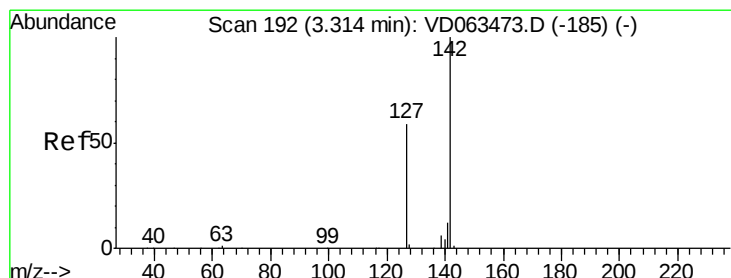
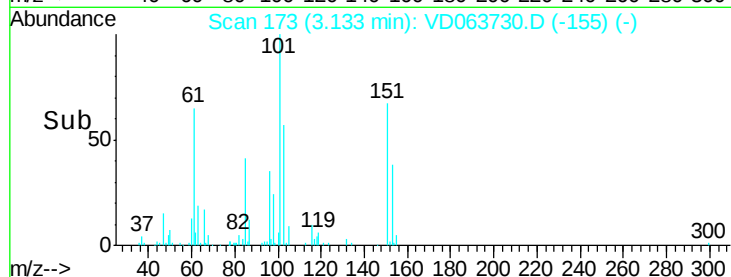
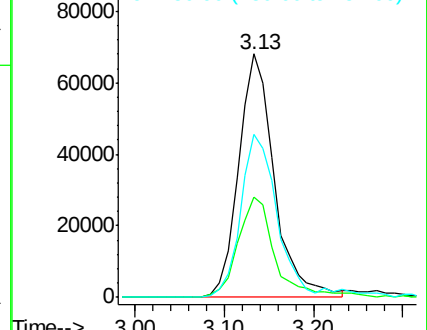
151 66.7 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.727 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

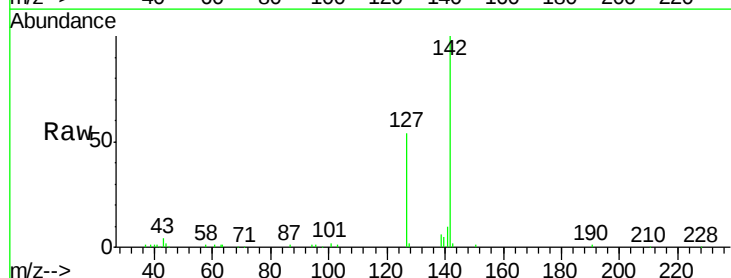
Tgt Ion:142 Resp: 233888

Ion Ratio Lower Upper

142 100

127 53.6 47.2 70.8

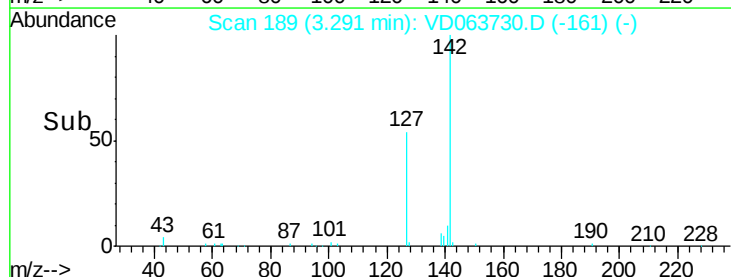
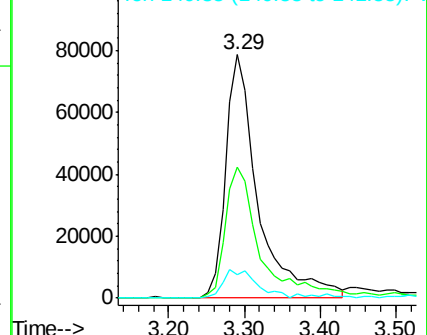
141 9.7 9.8 14.8#

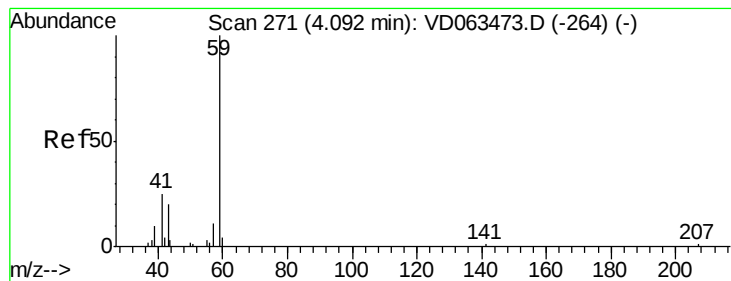


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



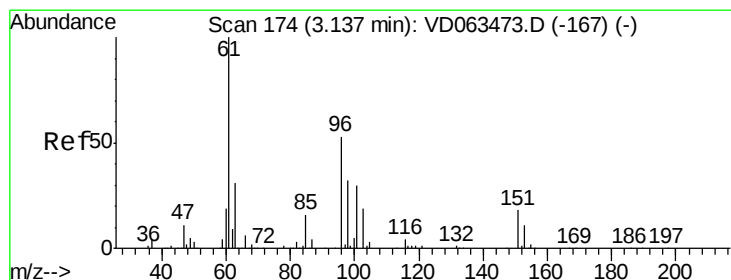
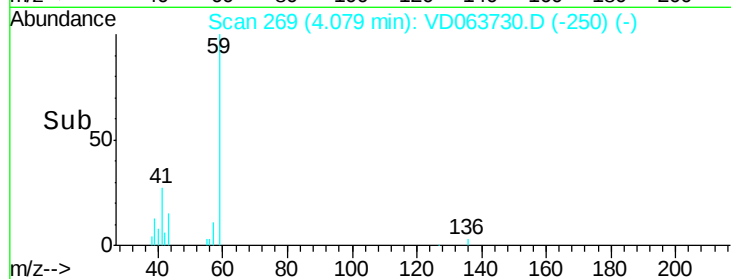
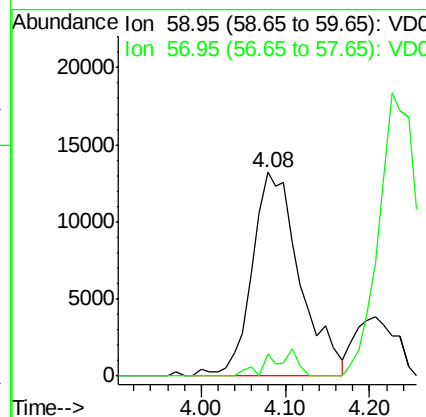
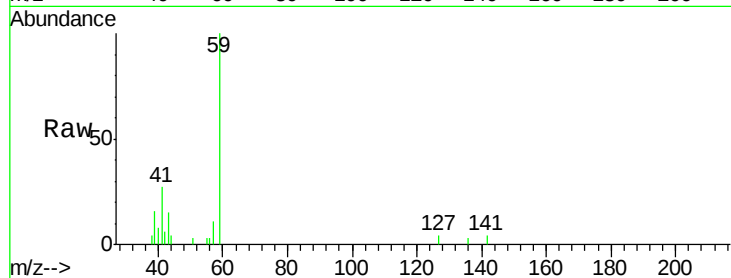


#11

Tert butyl alcohol
Concen: 123.791 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

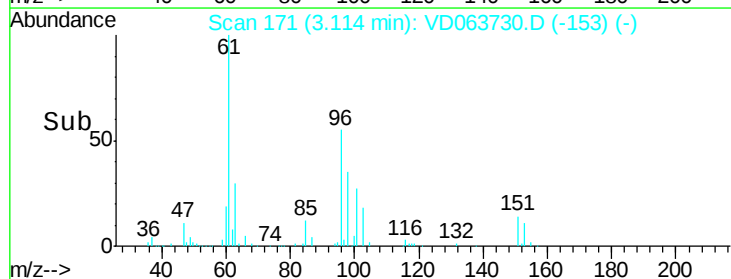
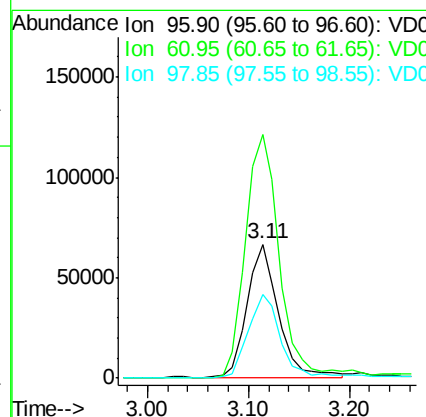
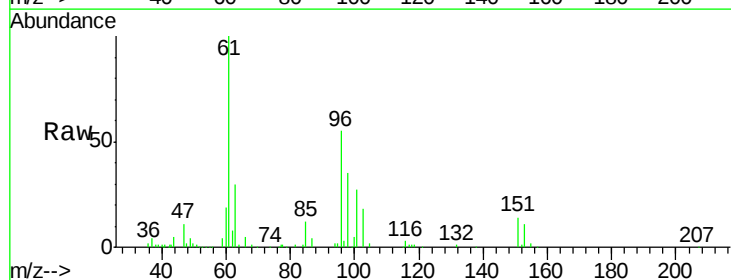
Tot Ion: 59 Resp: 52379
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

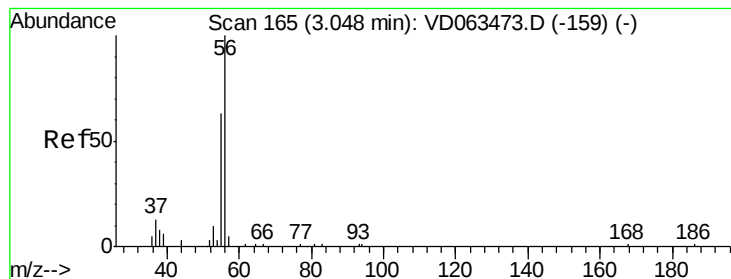


#12

1,1-Dichloroethene
Concen: 19.922 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 96 Resp: 146378
Ion Ratio Lower Upper
96 100
61 182.2 151.7 227.5
98 63.1 48.4 72.6





#13

Acrolein

Concen: 73.957 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

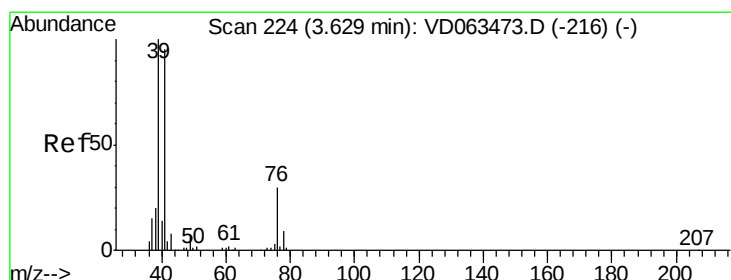
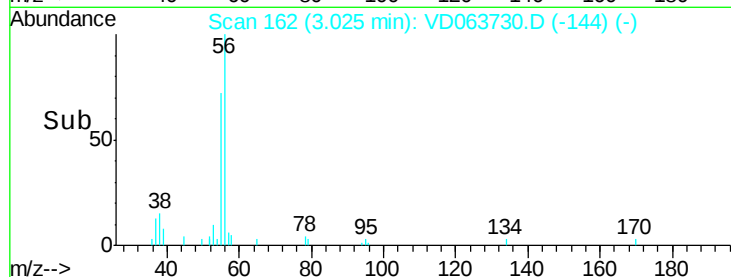
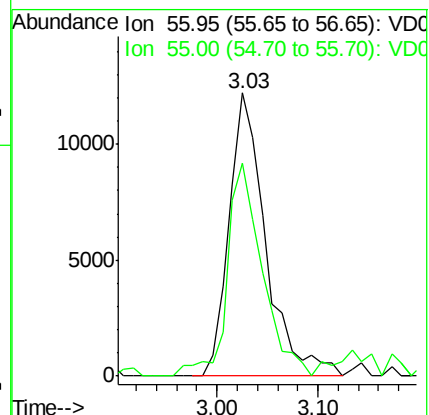
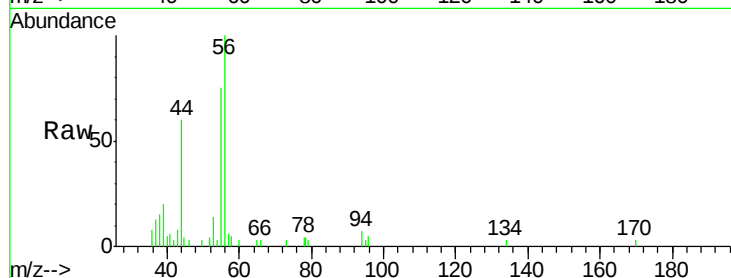
VD0822SBS01

Tot Ion: 56 Resp: 30802

Ion Ratio Lower Upper

56 100

55 75.3 51.3 76.9



#14

Allyl chloride

Concen: 21.440 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

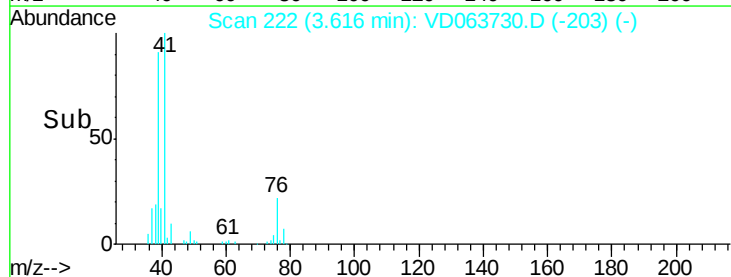
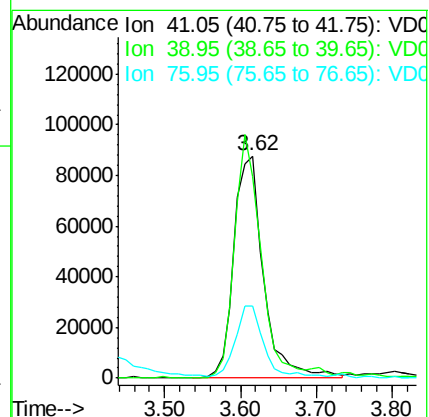
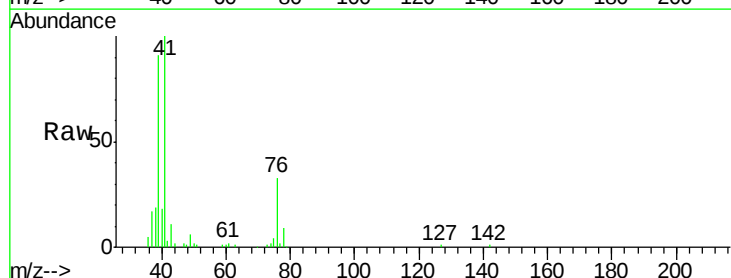
Tgt Ion: 41 Resp: 236822

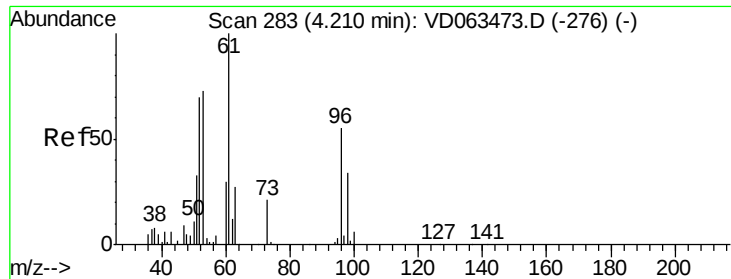
Ion Ratio Lower Upper

41 100

39 90.8 84.2 126.4

76 32.5 26.0 39.0





#15

Acrylonitrile

Concen: 127.502 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

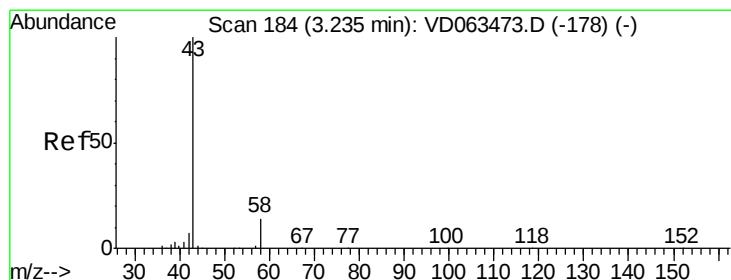
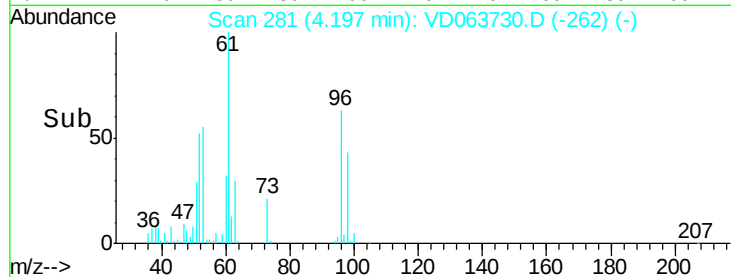
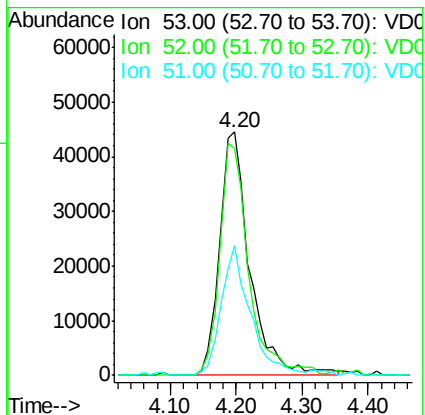
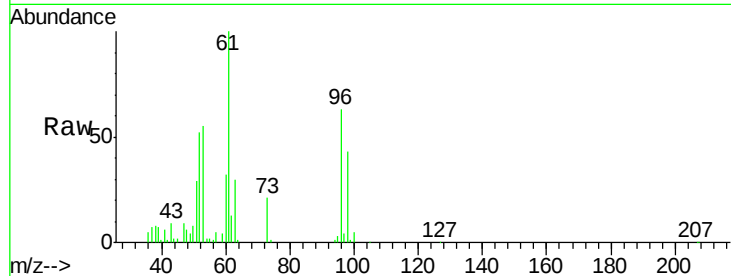
Tot Ion: 53 Resp: 142899

Ion Ratio Lower Upper

53 100

52 93.2 77.4 116.0

51 53.2 36.7 55.1



#16

Acetone

Concen: 99.102 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063730.D

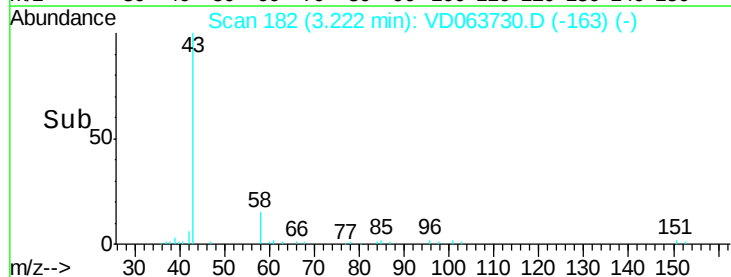
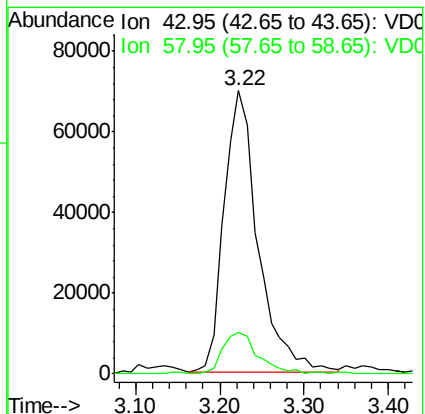
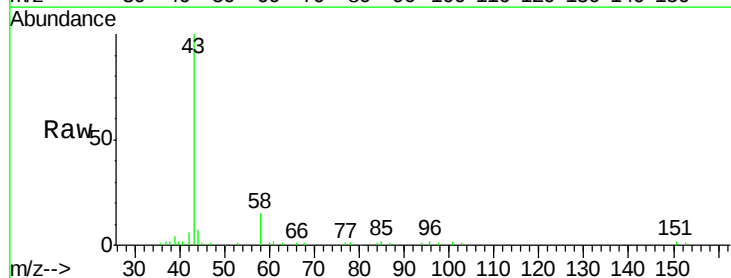
Acq: 22 Aug 2019 13:43

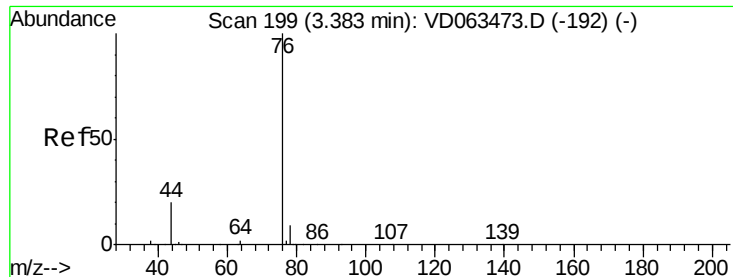
Tgt Ion: 43 Resp: 195812

Ion Ratio Lower Upper

43 100

58 14.6 11.4 17.2

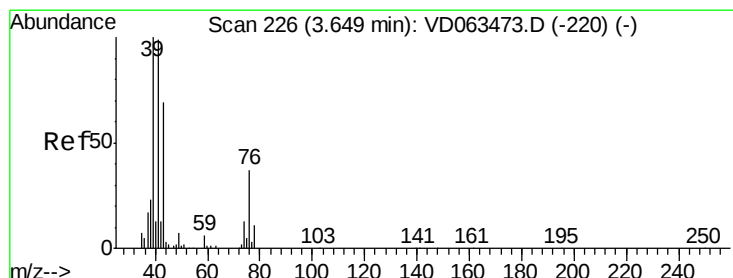
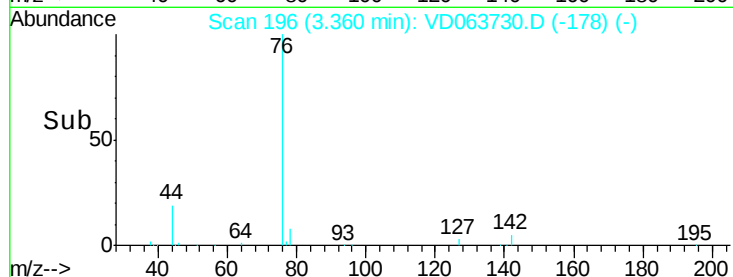
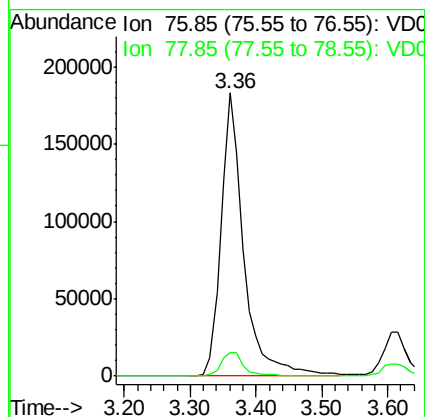
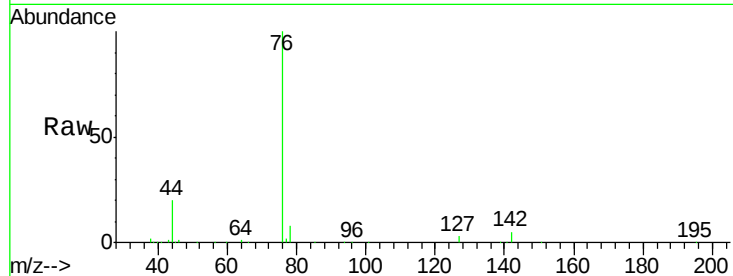




#17
Carbon Disulfide
Concen: 18.955 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.02 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

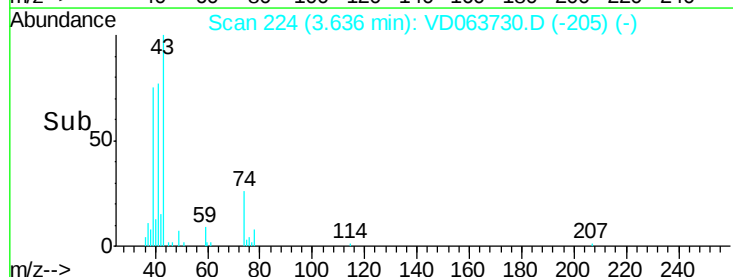
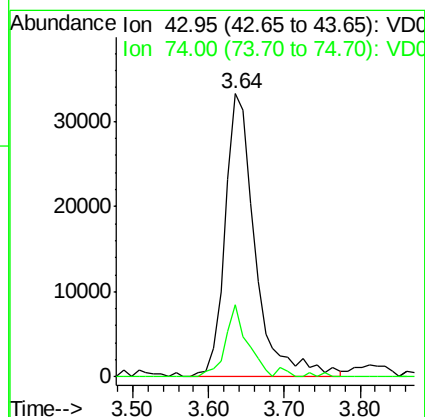
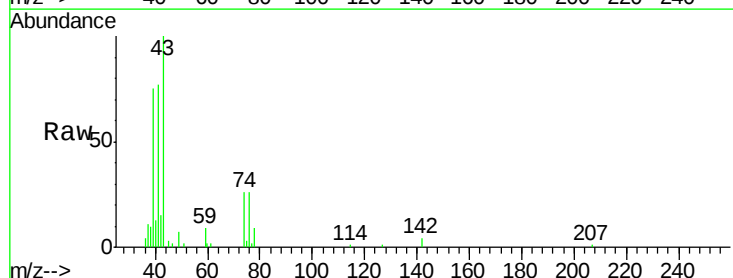
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

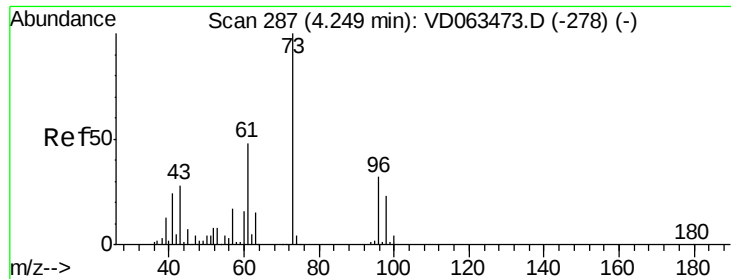
Tot Ion: 76 Resp: 439558
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 24.431 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 43 Resp: 91434
Ion Ratio Lower Upper
43 100
74 25.7 15.4 23.2#

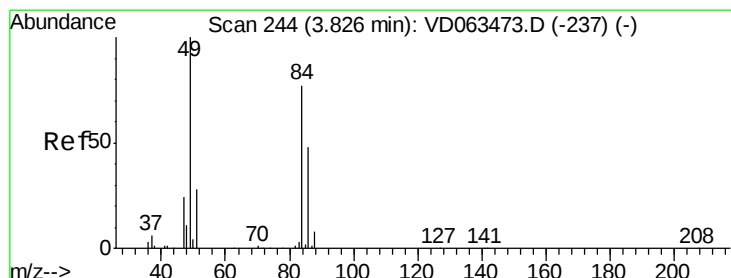
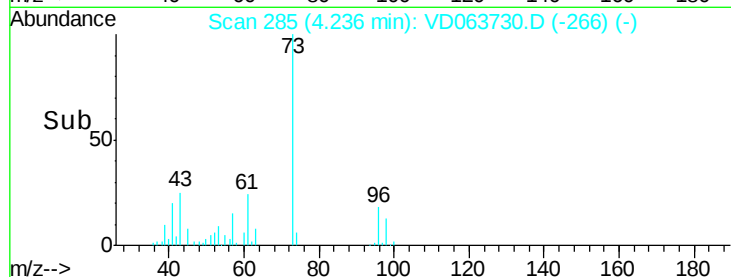
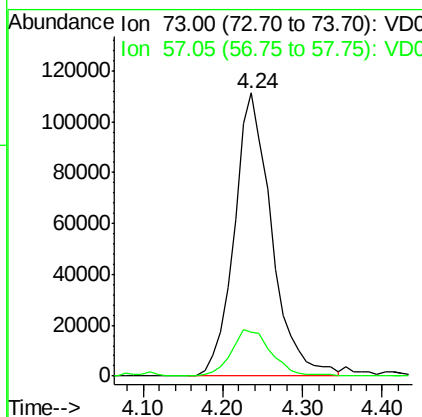
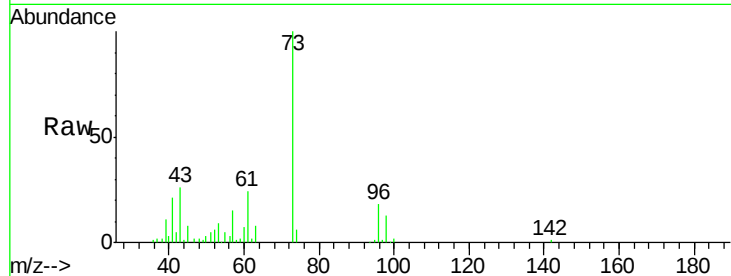




#19
Methyl tert-butyl Ether
Concen: 24.562 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

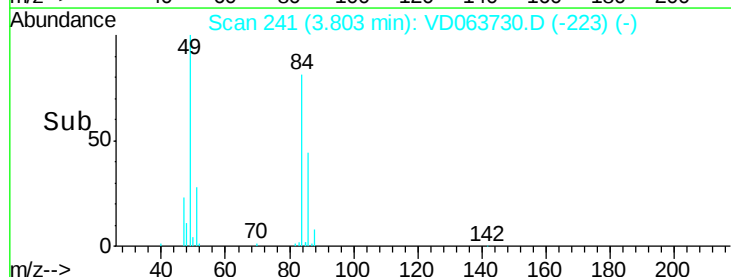
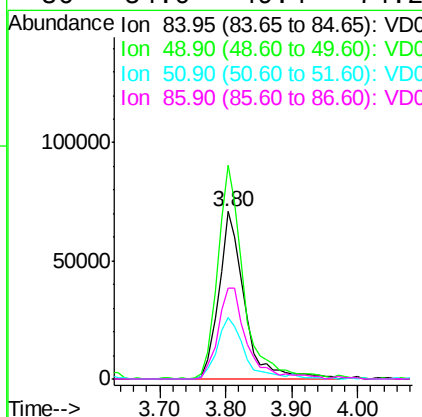
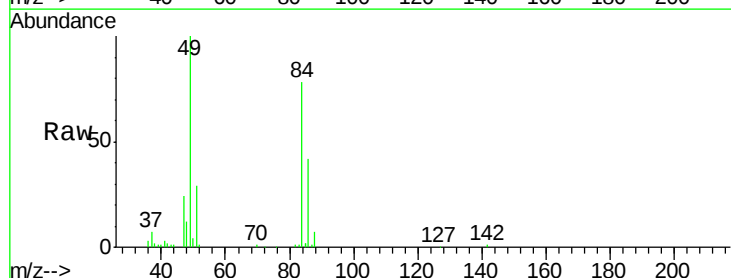
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

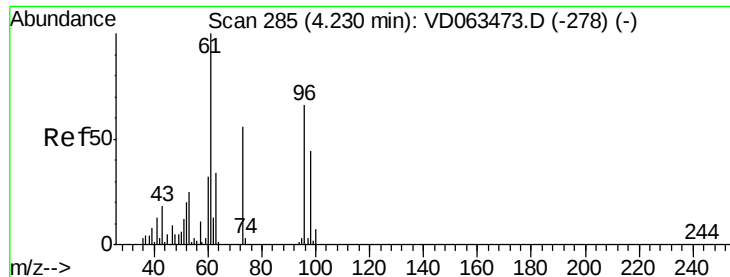
Tot Ion: 73 Resp: 360919
Ion Ratio Lower Upper
73 100
57 15.5 14.0 21.0



#20
Methylene Chloride
Concen: 22.502 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 84 Resp: 192250
Ion Ratio Lower Upper
84 100
49 127.5 103.4 155.2
51 36.4 28.5 42.7
86 54.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.284 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

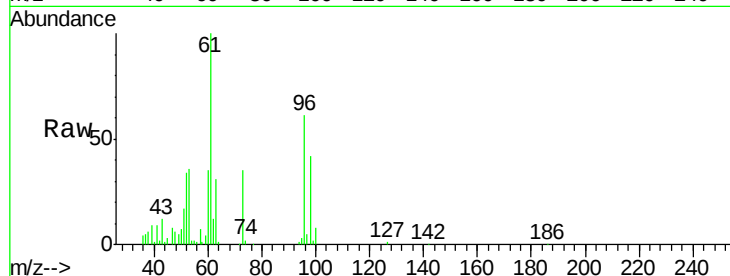
Tot Ion: 96 Resp: 180035

Ion Ratio Lower Upper

96 100

61 164.0 121.7 182.5

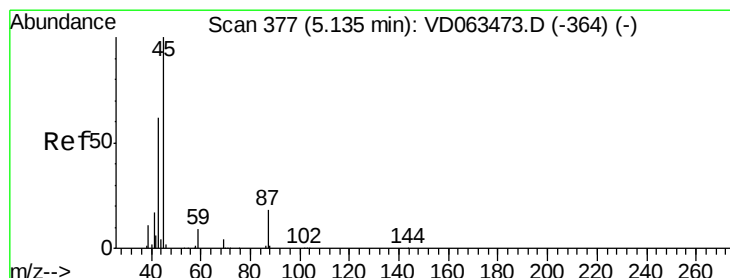
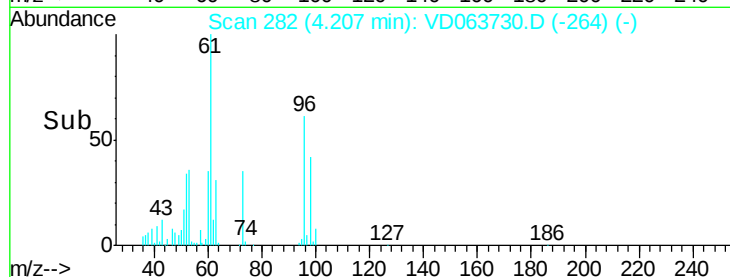
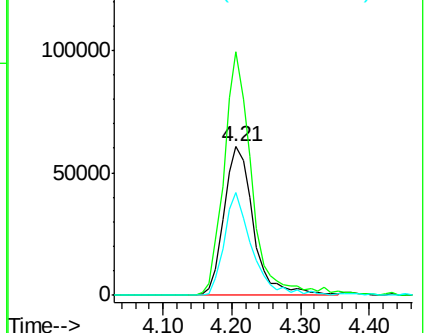
98 69.1 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.270 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Tgt Ion: 45 Resp: 507599

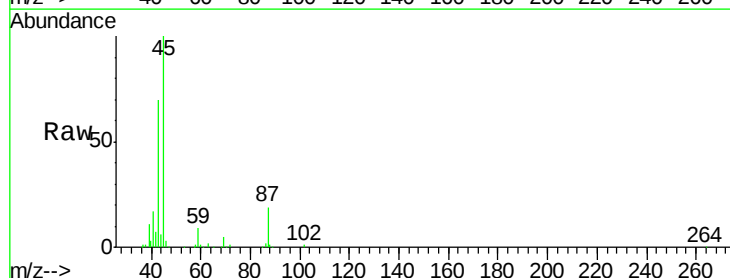
Ion Ratio Lower Upper

45 100

43 70.4 50.3 75.5

87 18.5 14.3 21.5

59 8.6 7.7 11.5

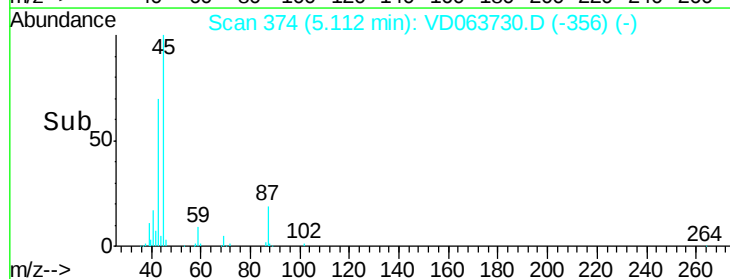
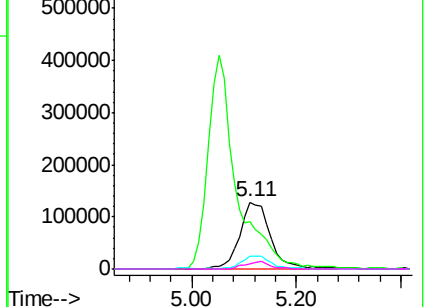


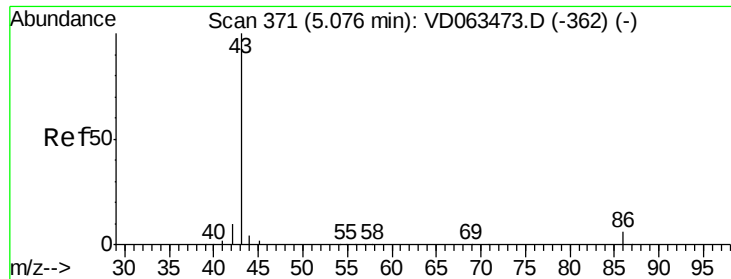
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 115.856 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

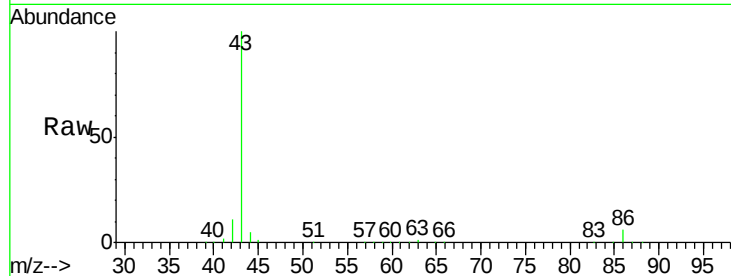
VD0822SBS01

Tot Ion: 43 Resp: 1535177

Ion Ratio Lower Upper

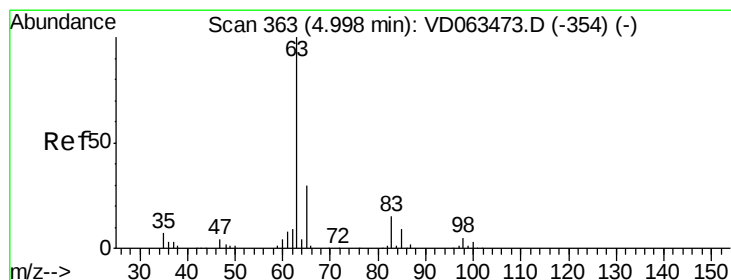
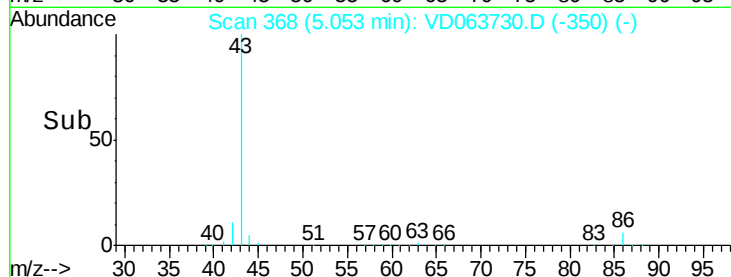
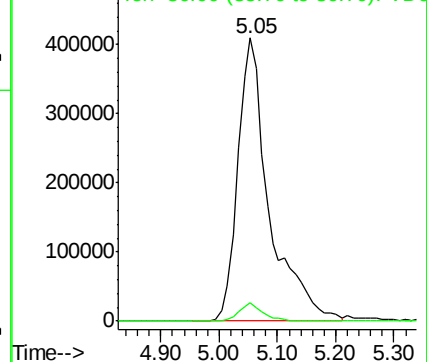
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.762 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

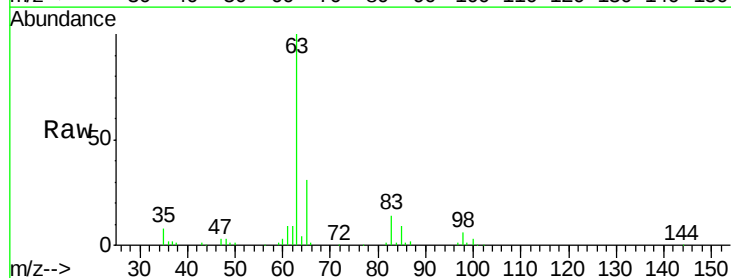
Tgt Ion: 63 Resp: 321780

Ion Ratio Lower Upper

63 100

98 6.1 2.4 7.2

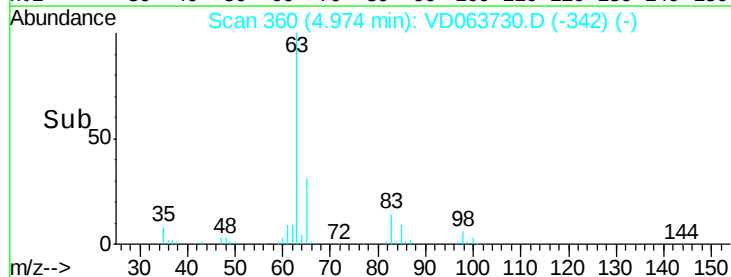
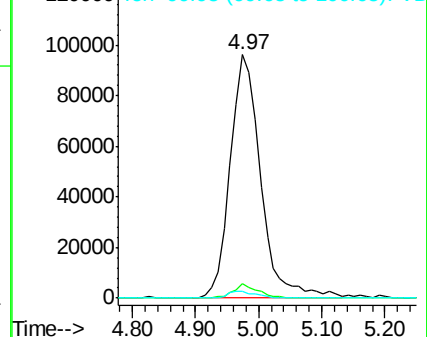
100 2.7 1.3 3.8

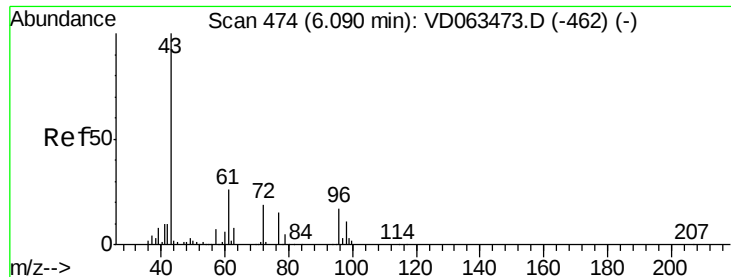


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.708 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

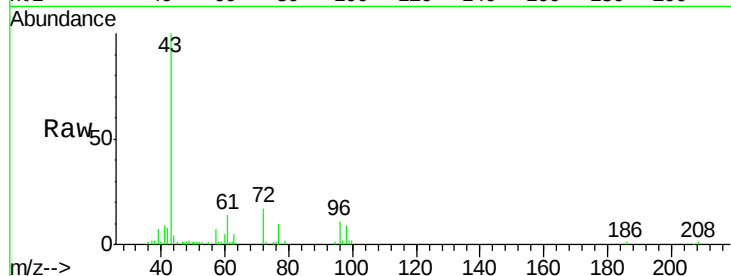
VD0822SBS01

Tot Ion: 43 Resp: 223844

Ion Ratio Lower Upper

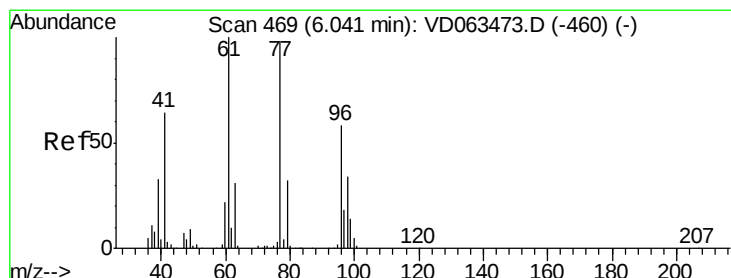
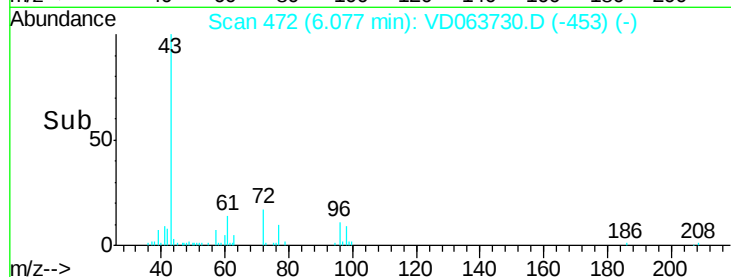
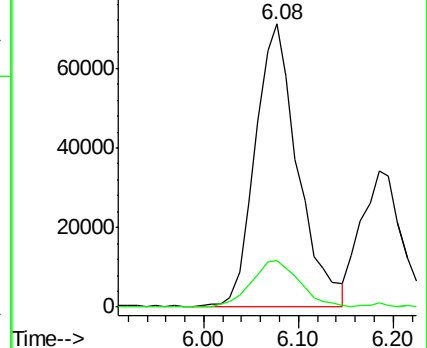
43 100

72 16.7 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: 21.260 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD063730.D

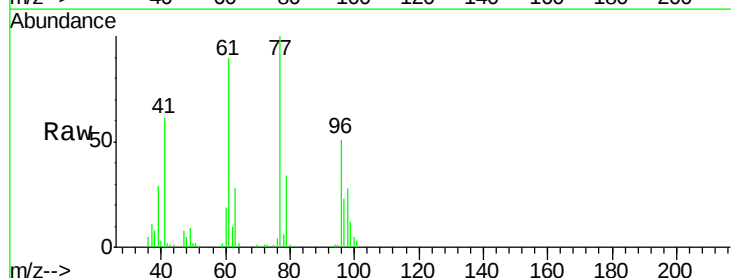
Acq: 22 Aug 2019 13:43

Tgt Ion: 77 Resp: 299355

Ion Ratio Lower Upper

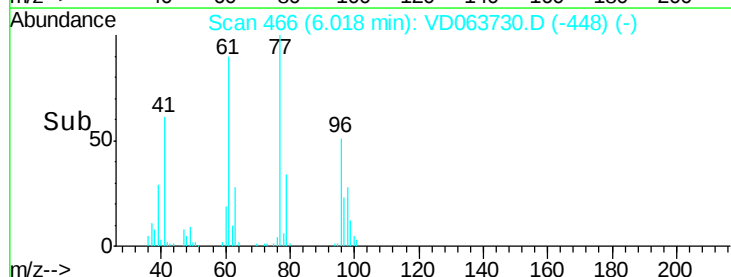
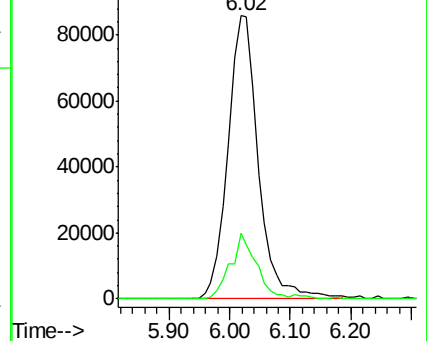
77 100

97 23.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



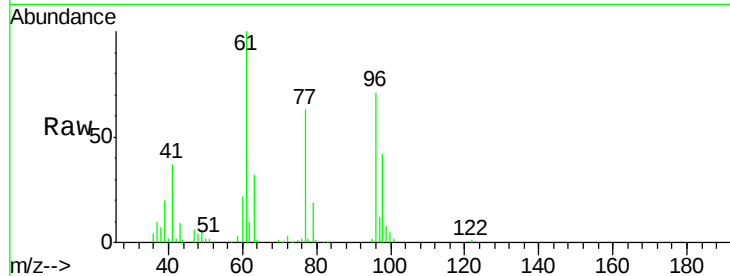


#27

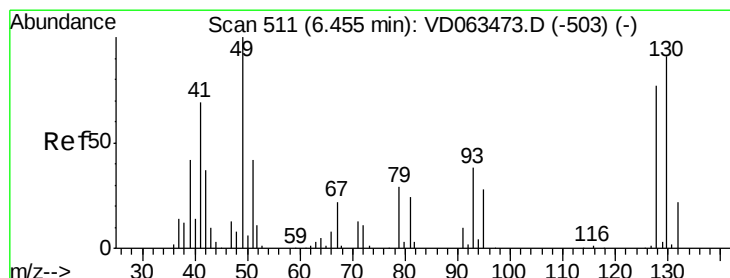
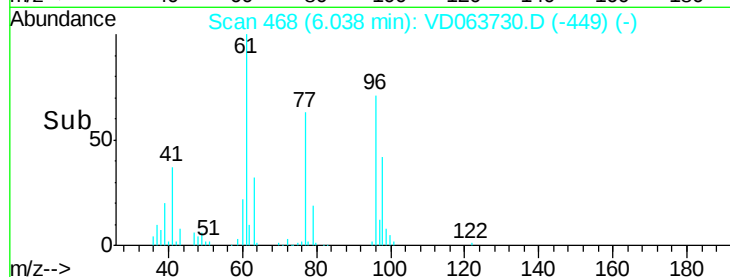
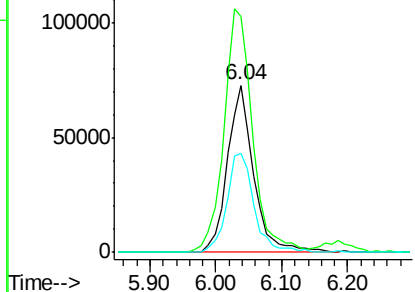
cis-1,2-Dichloroethene
 Concen: 23.911 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	304.0
98	59.1	0.0	124.8



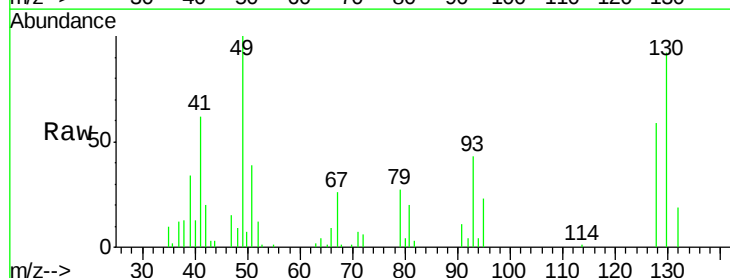
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



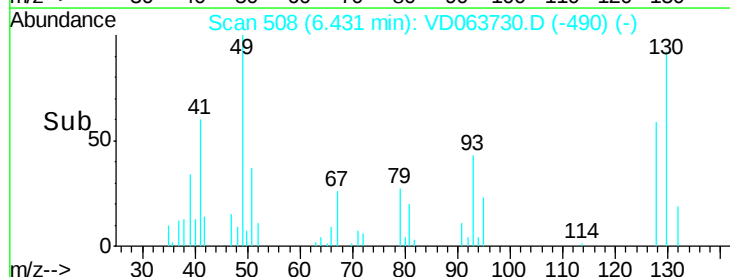
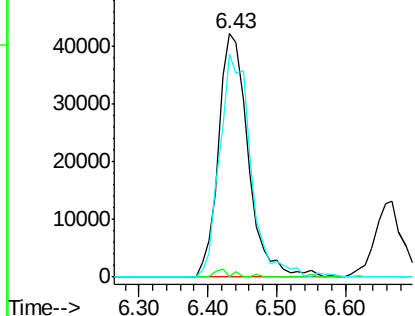
#28

Bromochloromethane
 Concen: 22.074 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	91.8	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: 116.409 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

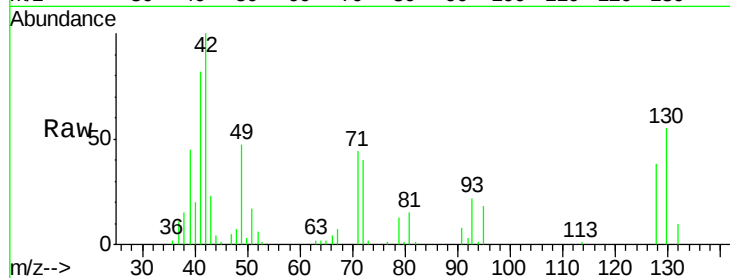
Tot Ion: 42 Resp: 105852

Ion Ratio Lower Upper

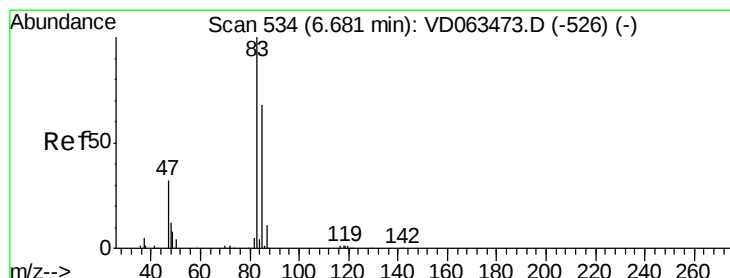
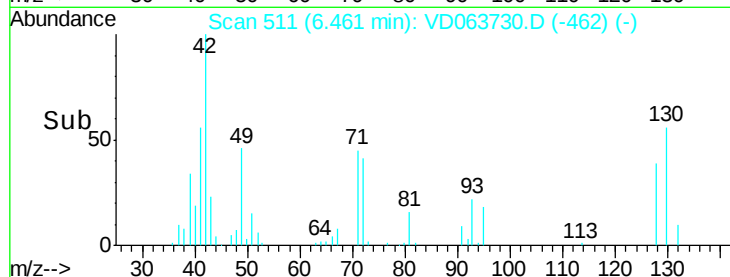
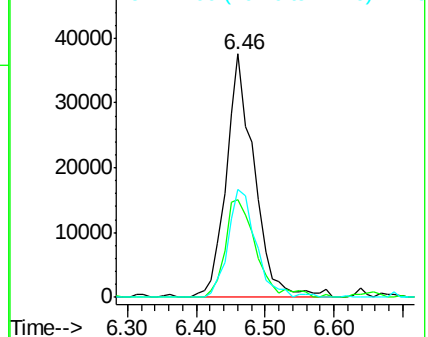
42 100

72 44.3 31.5 47.3

71 44.1 33.8 50.8



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



#30

Chloroform

Concen: 21.603 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063730.D

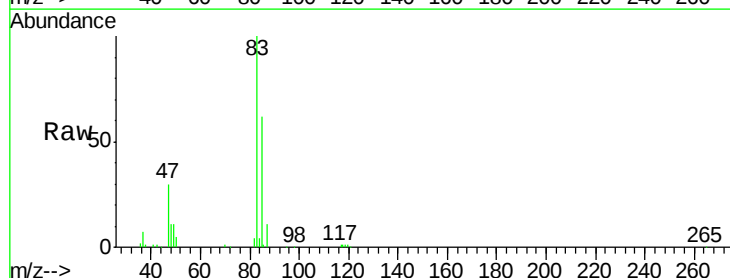
Acq: 22 Aug 2019 13:43

Tgt Ion: 83 Resp: 379598

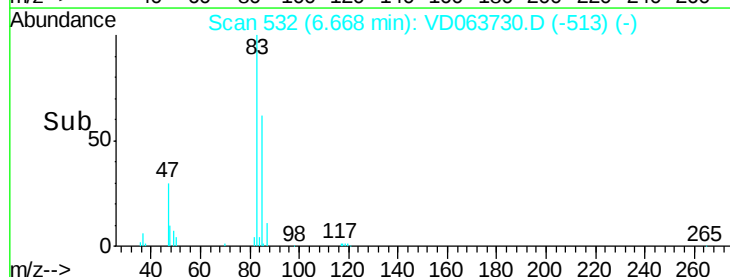
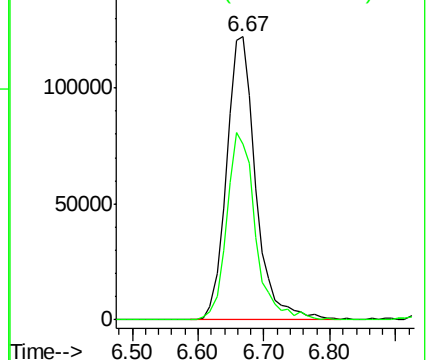
Ion Ratio Lower Upper

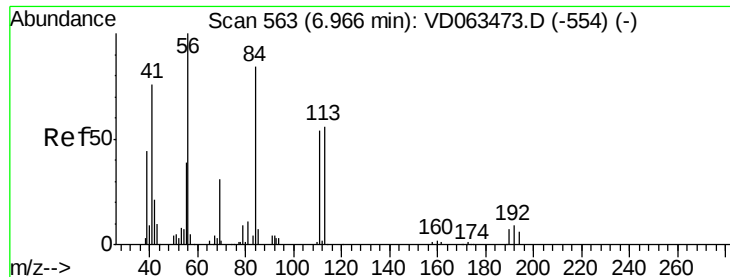
83 100

85 61.9 54.8 82.2



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





#31

Cyclohexane

Concen: 20.910 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

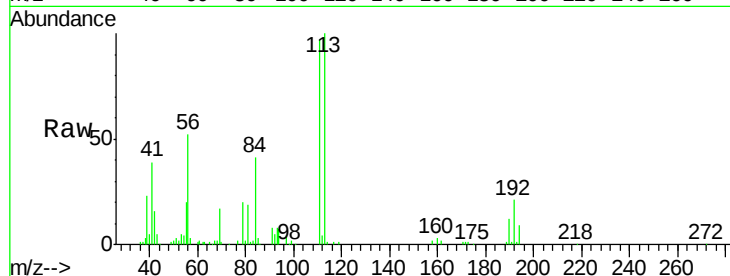
Tot Ion: 56 Resp: 183508

Ion Ratio Lower Upper

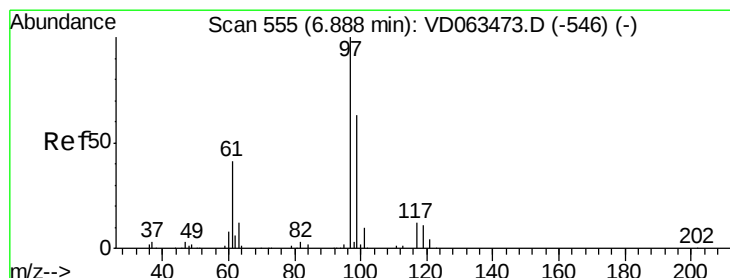
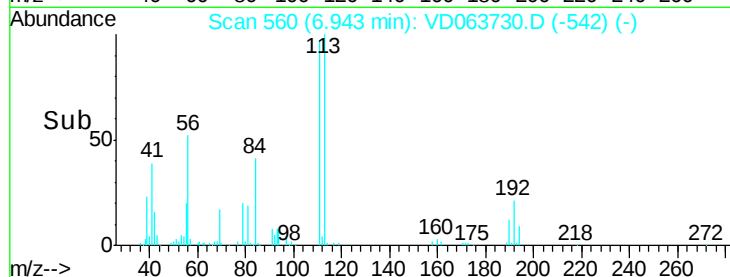
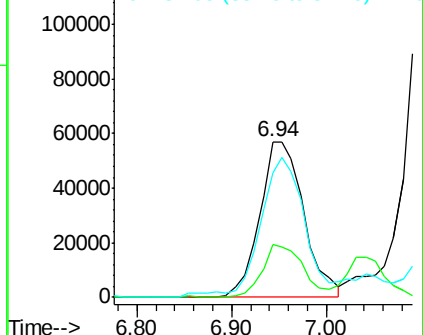
56 100

69 33.8 25.0 37.6

84 80.3 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: 21.696 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

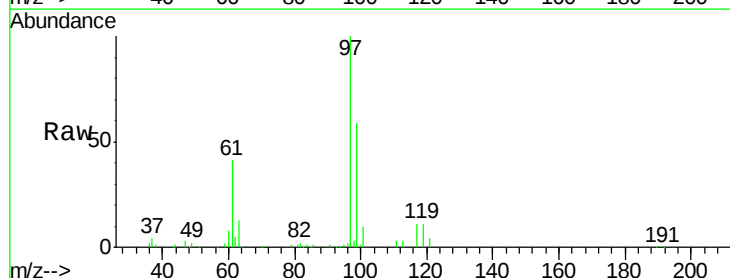
Tgt Ion: 97 Resp: 364681

Ion Ratio Lower Upper

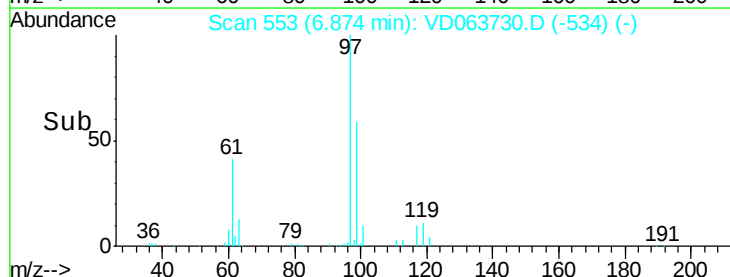
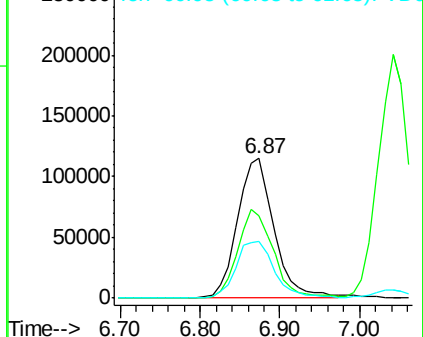
97 100

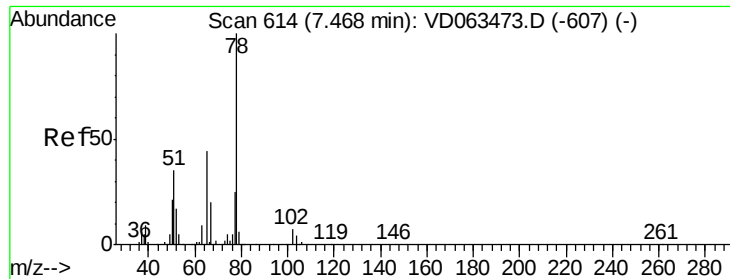
99 58.5 50.2 75.4

61 40.6 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: 52.926 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

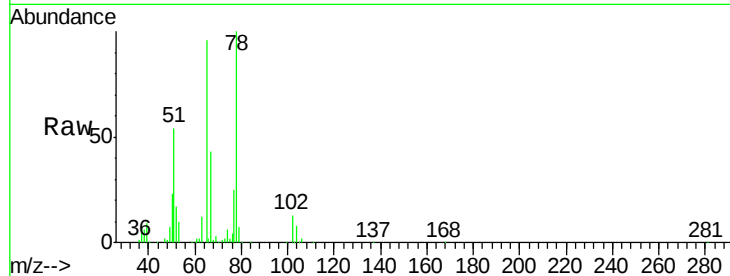
VD0822SBS01

Tot Ion: 65 Resp: 514432

Ion Ratio Lower Upper

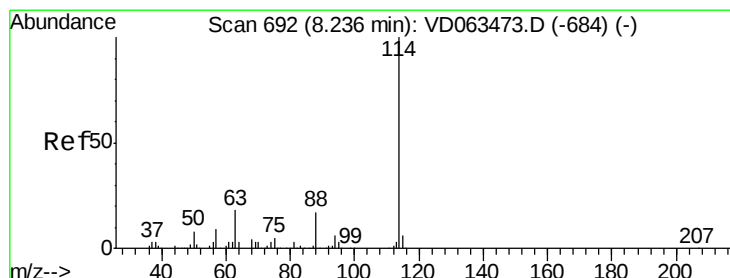
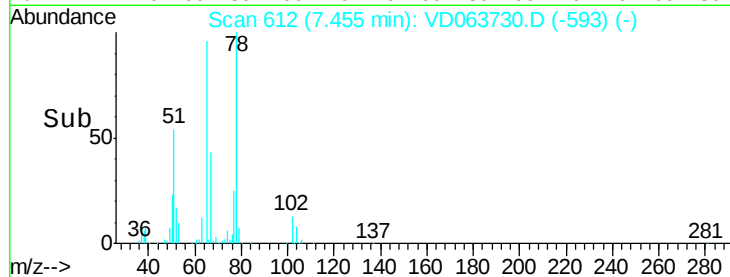
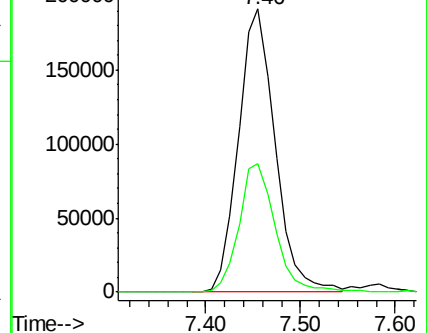
65 100

67 45.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

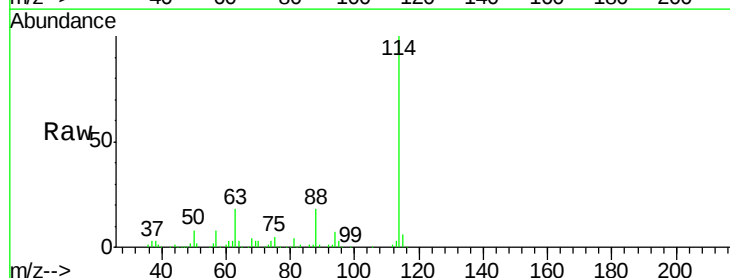
Tgt Ion: 114 Resp: 1301458

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

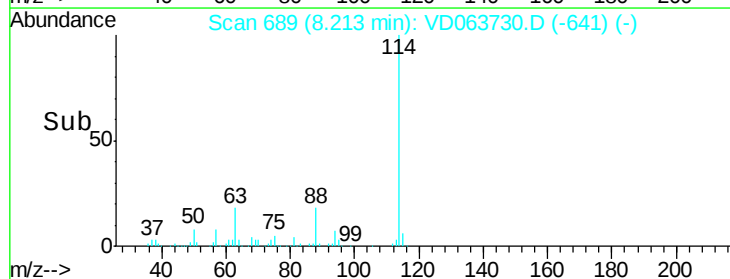
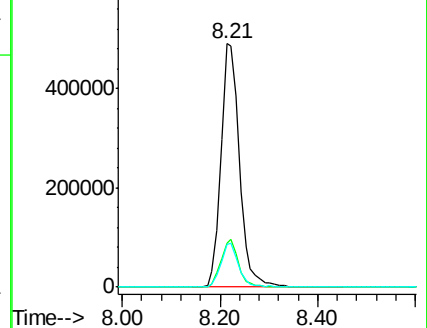
88 17.7 0.0 35.0

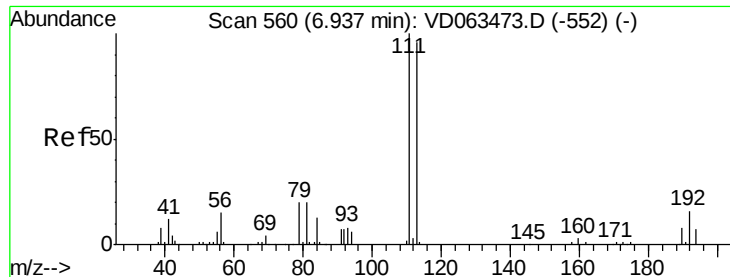


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

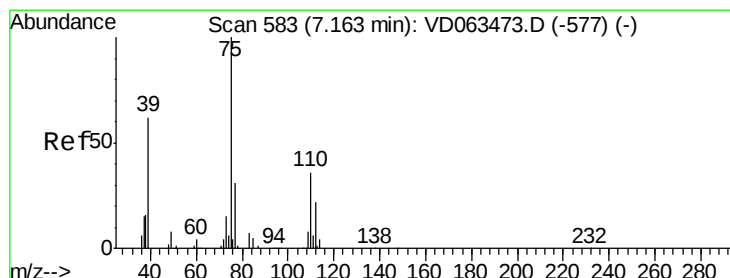
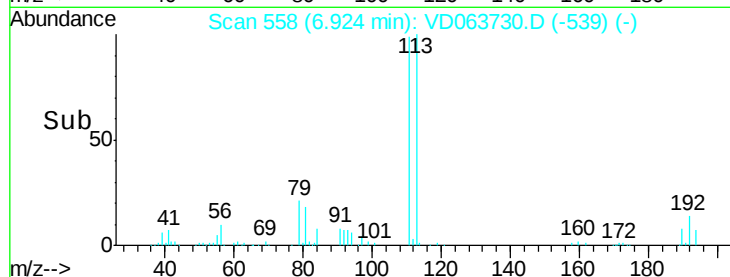
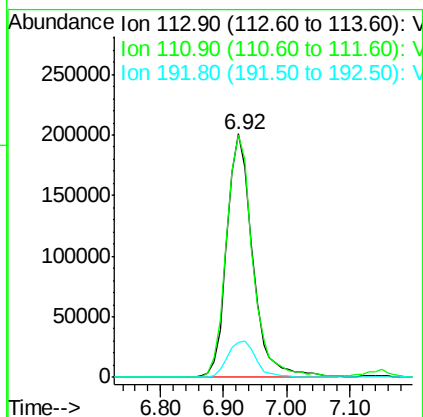
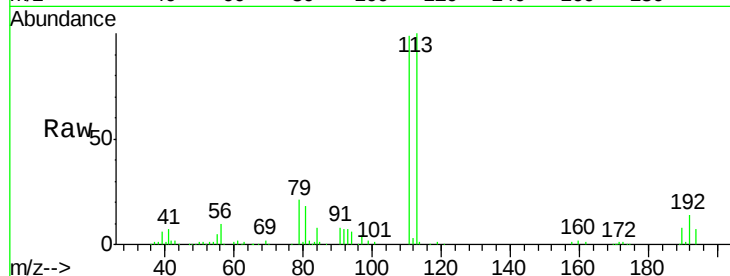




#35
 Dibromofluoromethane
 Concen: 51.992 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

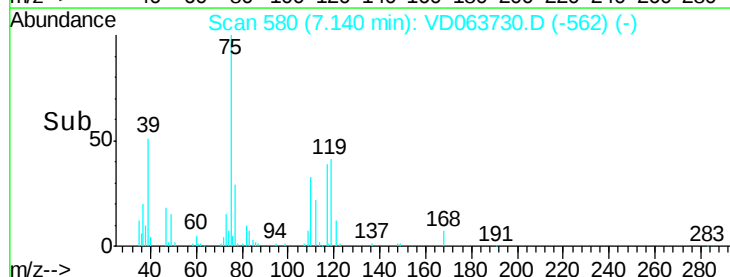
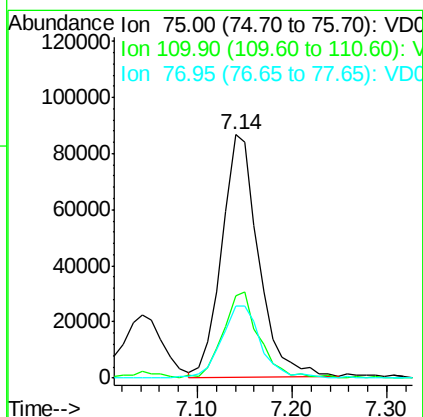
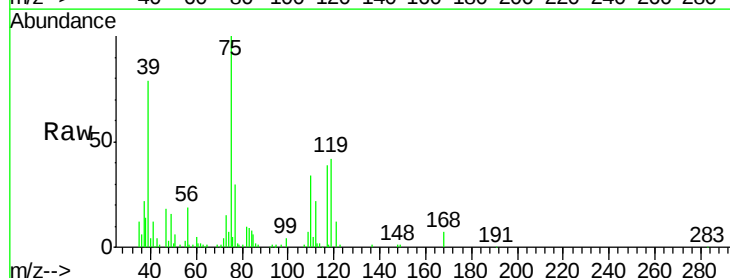
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

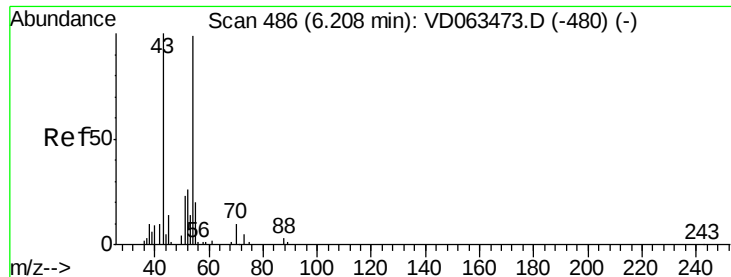
Tot Ion:113 Resp: 569878
 Ion Ratio Lower Upper
 113 100
 111 99.3 83.1 124.7
 192 14.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 20.147 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion: 75 Resp: 231800
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.6 52.8
 77 29.9 24.3 36.5

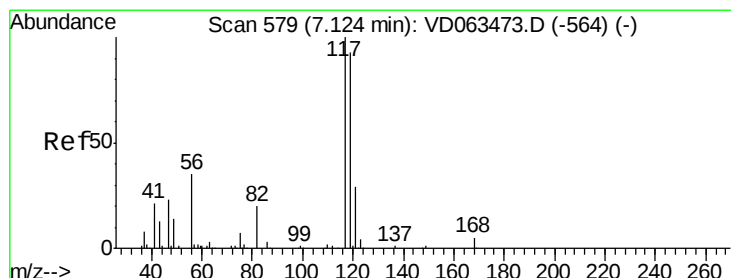
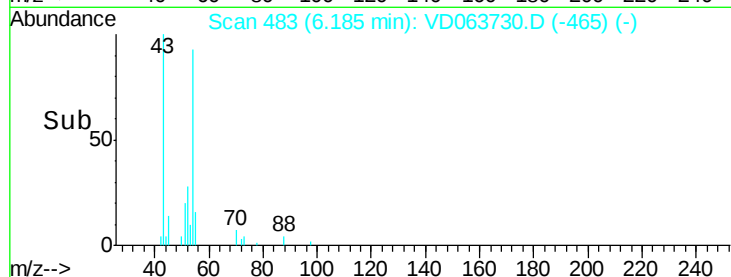
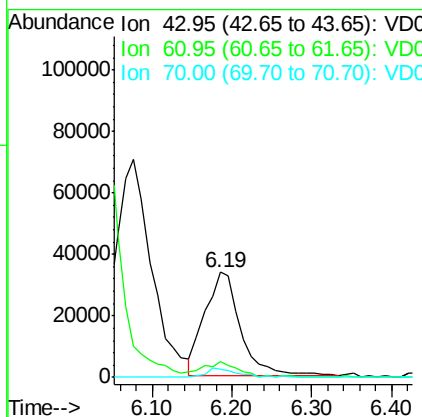
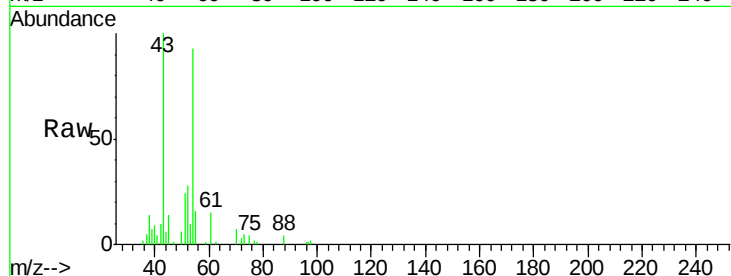




#37
Ethyl Acetate
Concen: 22.177 ug/l
RT: 6.19 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

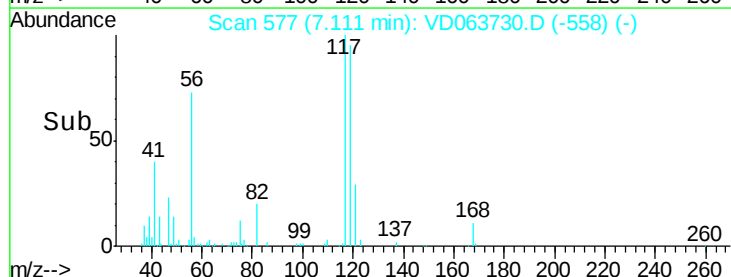
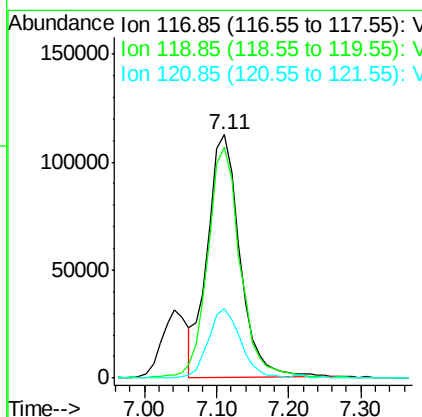
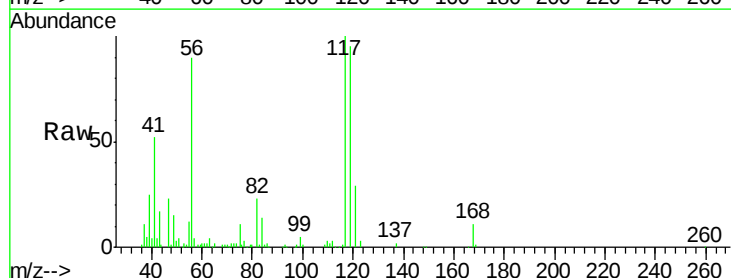
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

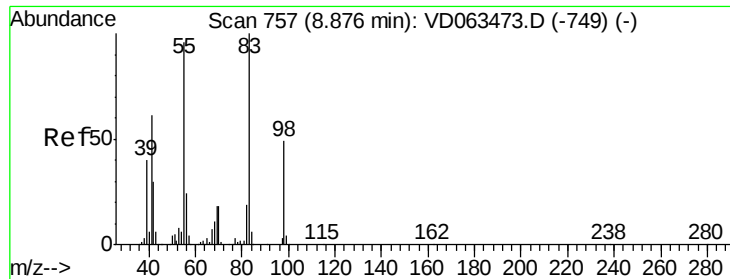
Tot Ion: 43 Resp: 106917
Ion Ratio Lower Upper
43 100
61 14.9 9.0 13.6#
70 7.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.087 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 117 Resp: 348297
Ion Ratio Lower Upper
117 100
119 94.8 74.2 111.2
121 28.6 23.1 34.7

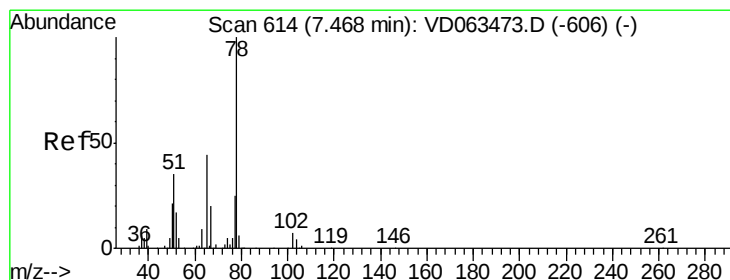
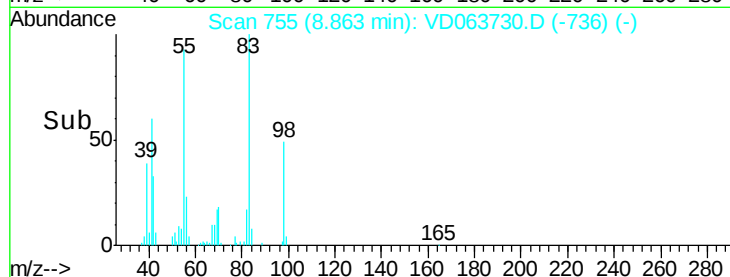
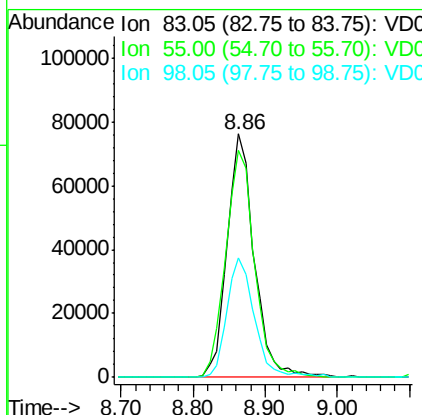
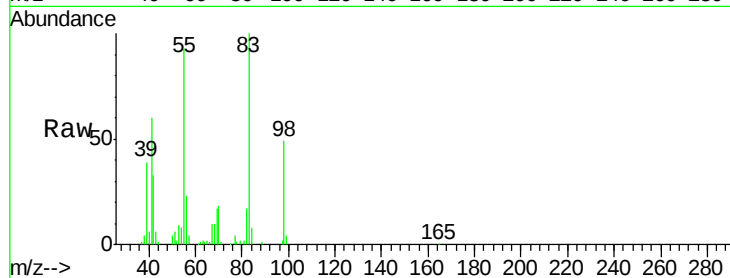




#39
Methvlcvclohexane
Concen: 20.440 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

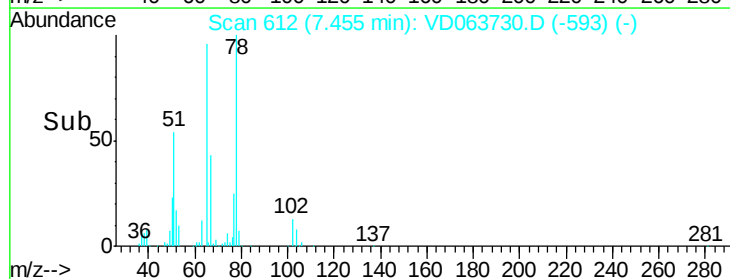
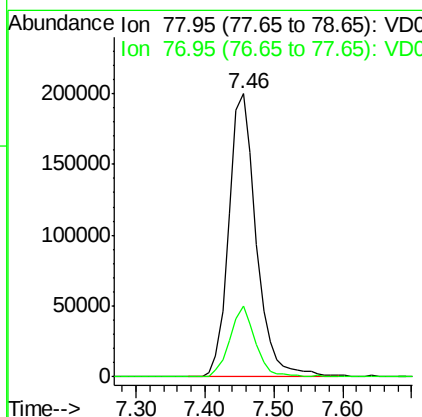
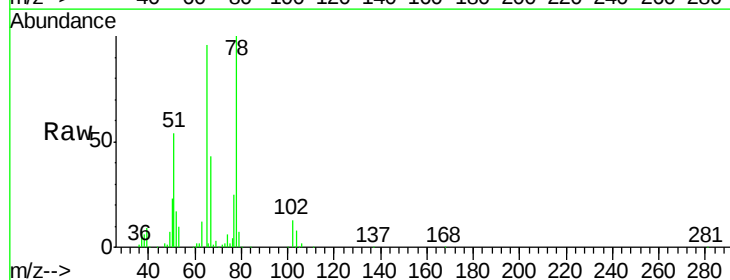
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

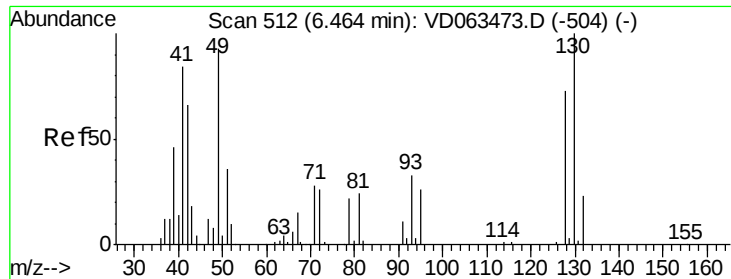
Tot Ion: 83 Resp: 199967
Ion Ratio Lower Upper
83 100
55 93.2 76.6 114.8
98 49.3 39.4 59.0



#40
Benzene
Concen: 21.775 ug/l
RT: 7.46 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 78 Resp: 551319
Ion Ratio Lower Upper
78 100
77 25.1 20.1 30.1





#41

Methacrylonitrile

Concen: 23.849 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

Tot Ion: 41 Resp: 144768

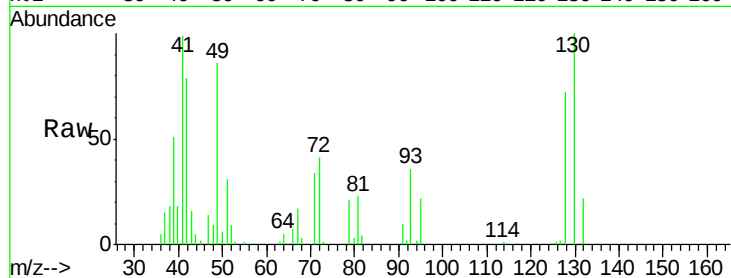
Ion Ratio Lower Upper

41 100

39 51.7 44.6 66.8

67 17.0 14.4 21.6

52 8.7 9.3 13.9#

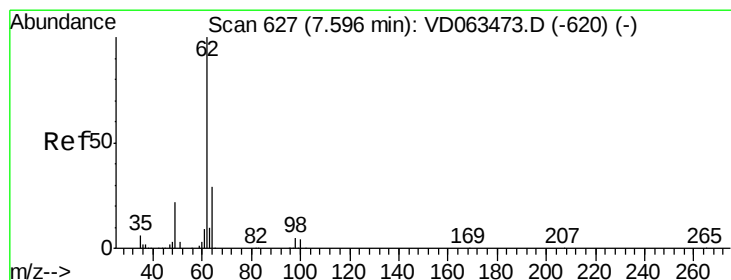
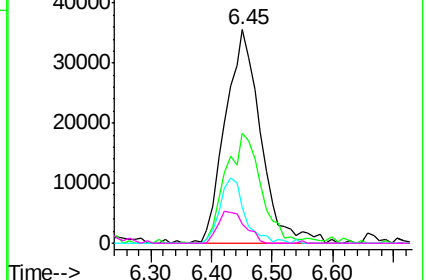
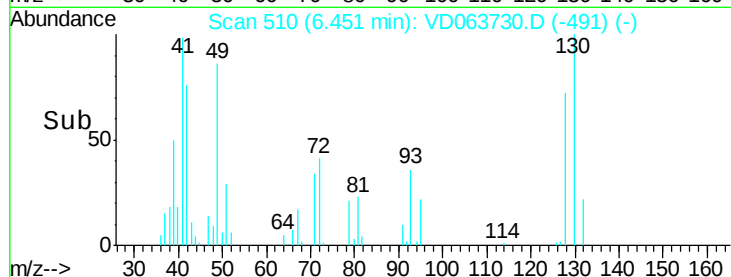


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.208 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.02 min

Lab File: VD063730.D

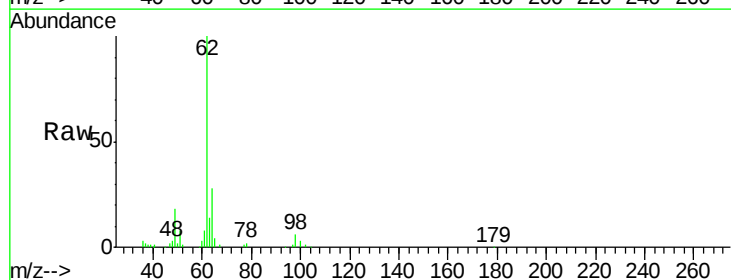
Acq: 22 Aug 2019 13:43

Tgt Ion: 62 Resp: 282730

Ion Ratio Lower Upper

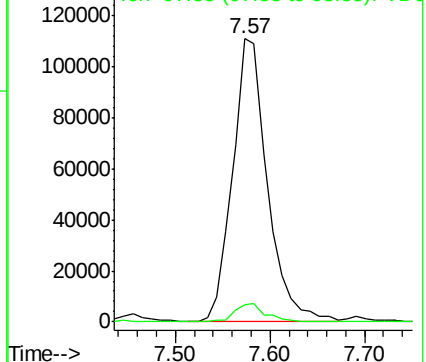
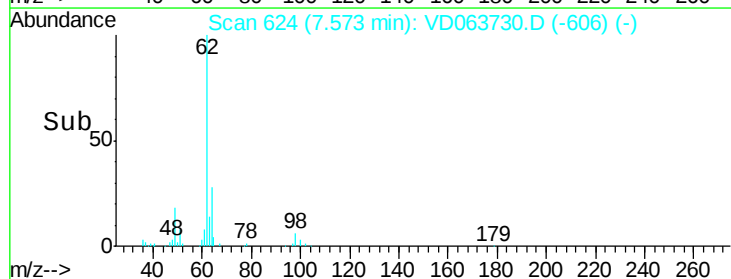
62 100

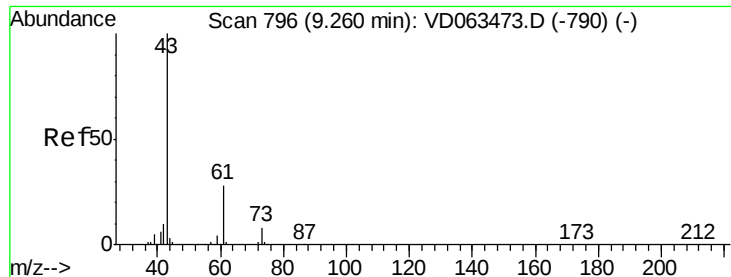
98 6.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.826 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

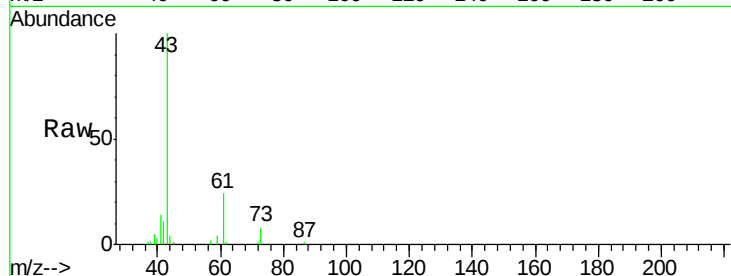
Tot Ion: 43 Resp: 147382

Ion Ratio Lower Upper

43 100

61 24.0 22.2 33.2

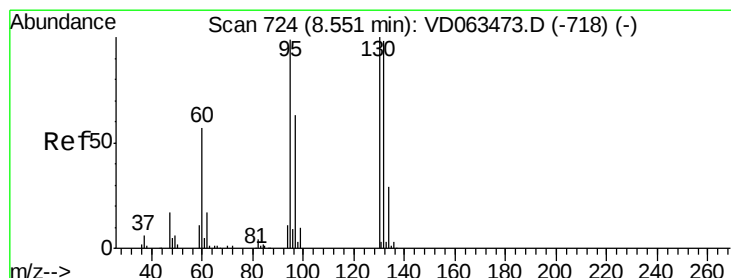
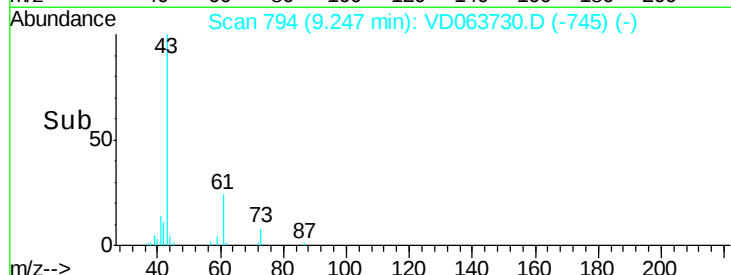
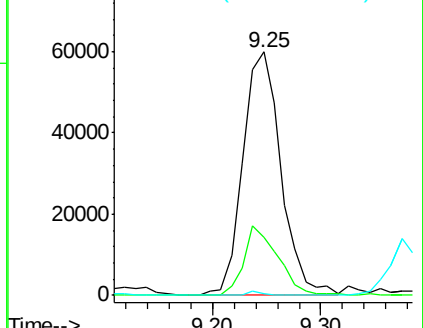
87 0.5 0.2 0.4#



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: 21.503 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063730.D

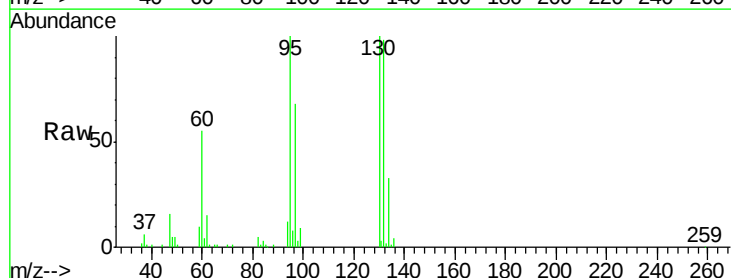
Acq: 22 Aug 2019 13:43

Tgt Ion: 130 Resp: 208094

Ion Ratio Lower Upper

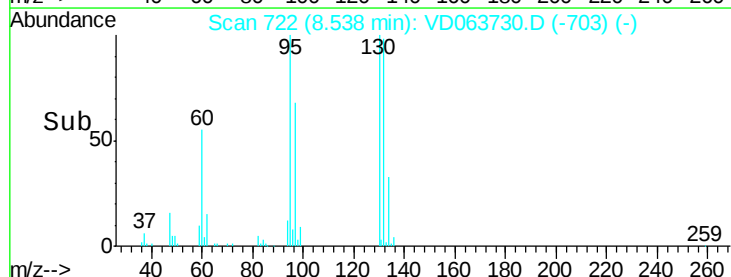
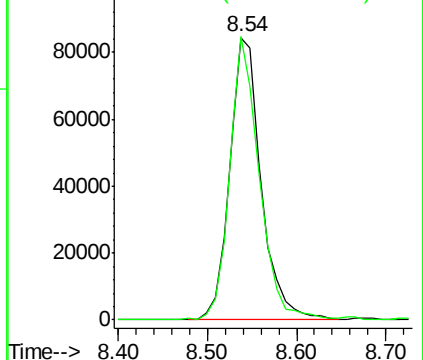
130 100

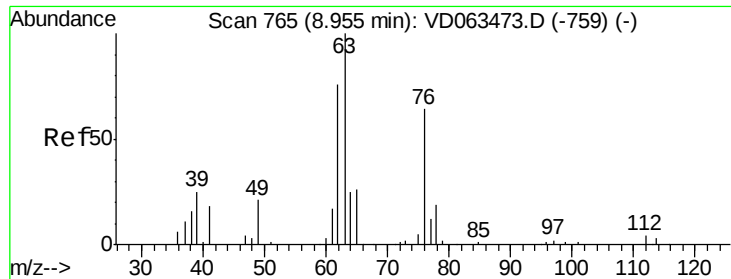
95 100.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.346 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

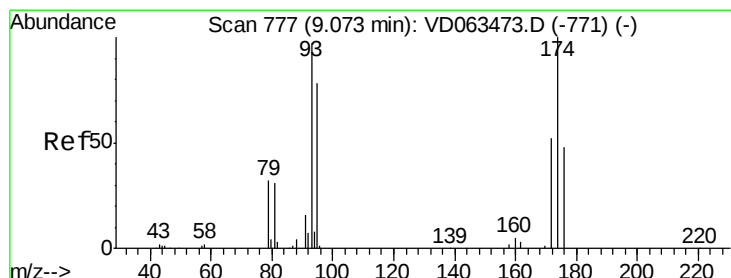
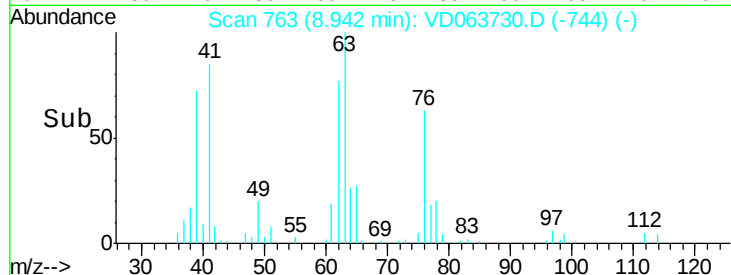
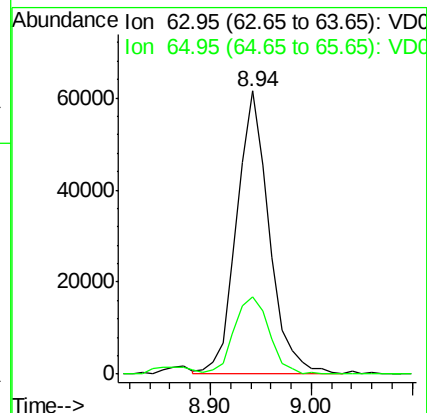
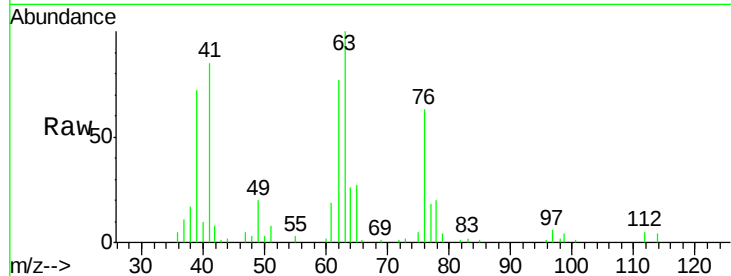
VD0822SBS01

Tot Ion: 63 Resp: 137653

Ion Ratio Lower Upper

63 100

65 27.2 22.5 33.7



#46

Dibromomethane

Concen: 23.987 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

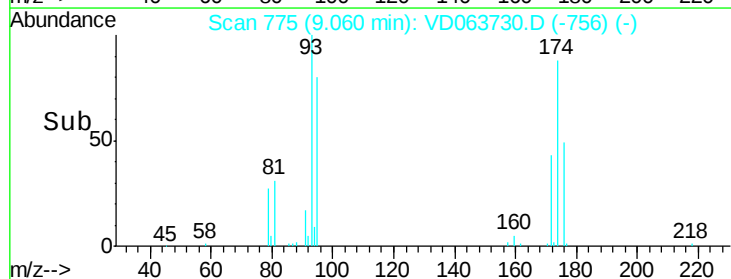
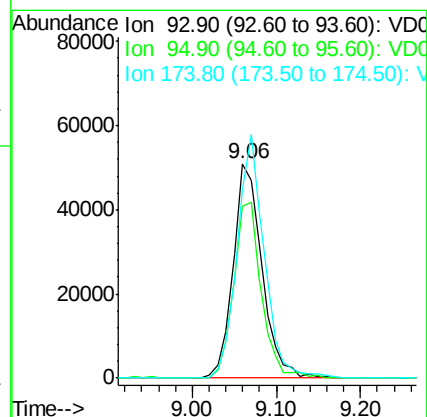
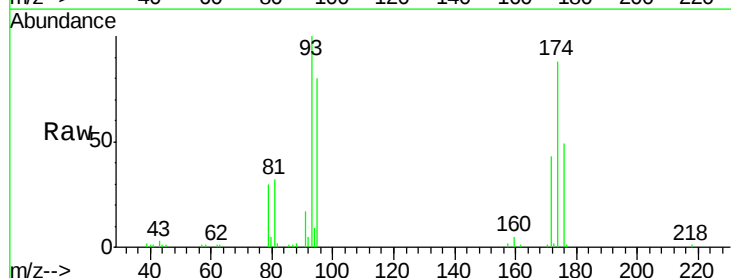
Tgt Ion: 93 Resp: 120778

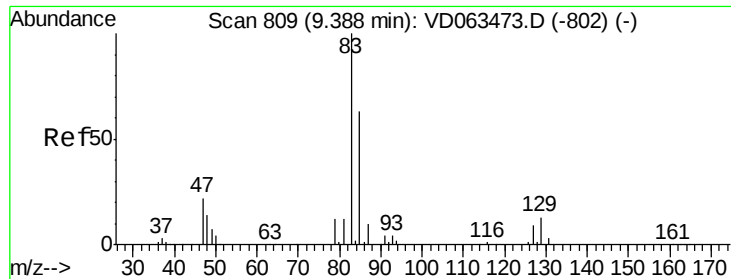
Ion Ratio Lower Upper

93 100

95 80.0 64.2 96.2

174 87.8 82.1 123.1





#47

Bromodichloromethane

Concen: 23.330 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

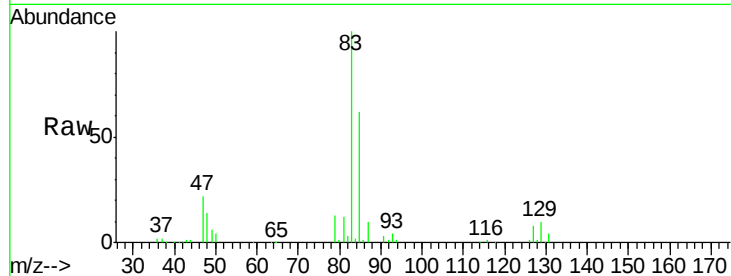
Tot Ion: 83 Resp: 301325

Ion Ratio Lower Upper

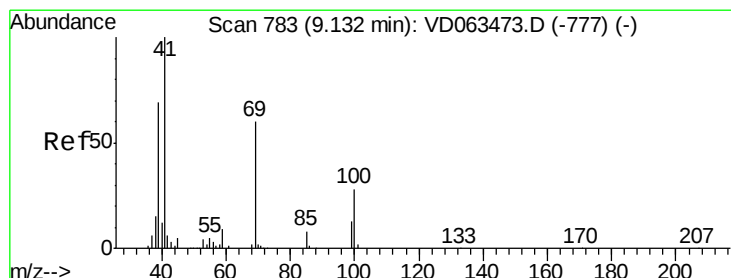
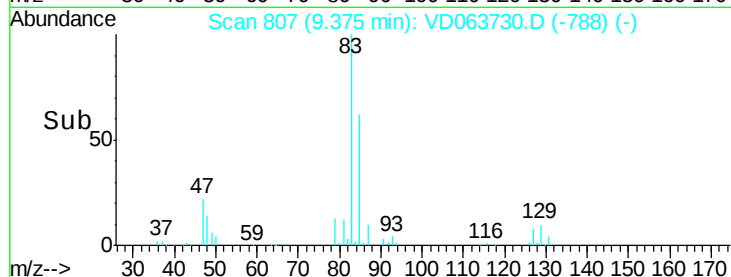
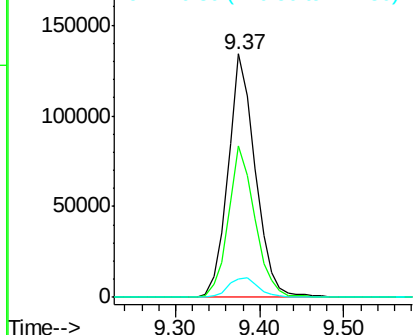
83 100

85 62.4 50.1 75.1

127 7.7 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): V



#48

Methyl methacrylate

Concen: 23.644 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

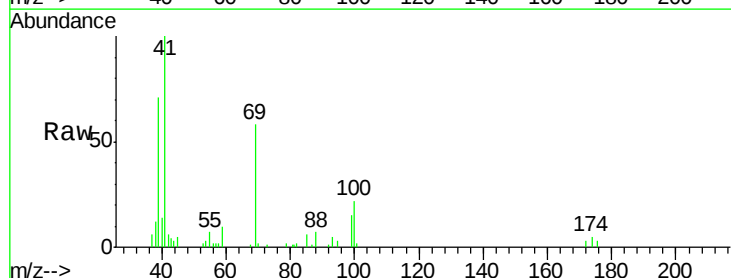
Tgt Ion: 41 Resp: 103537

Ion Ratio Lower Upper

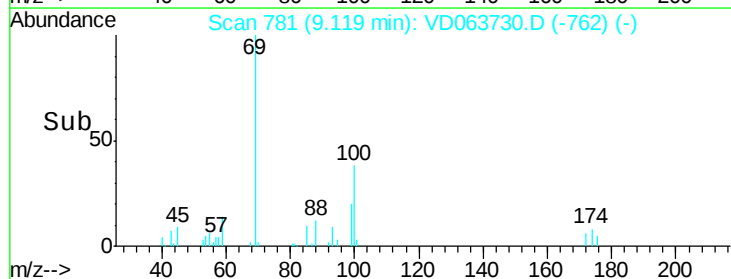
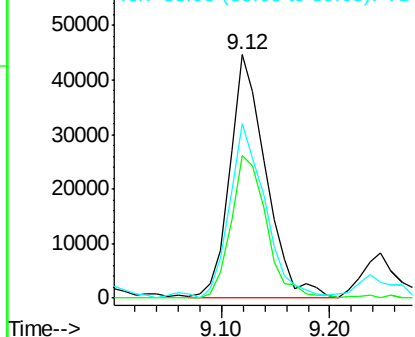
41 100

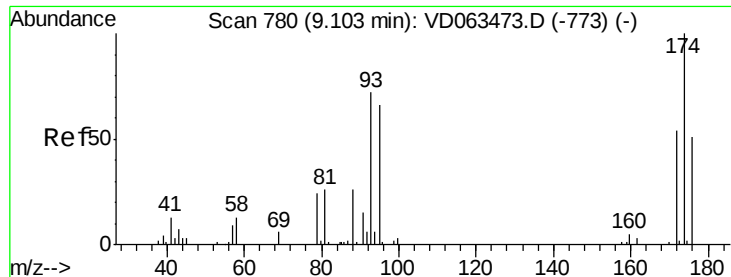
69 58.5 47.6 71.4

39 71.5 55.7 83.5



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

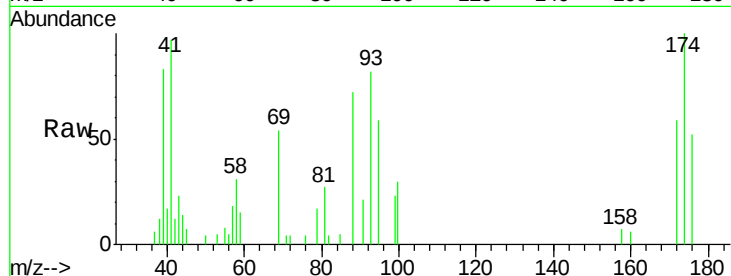




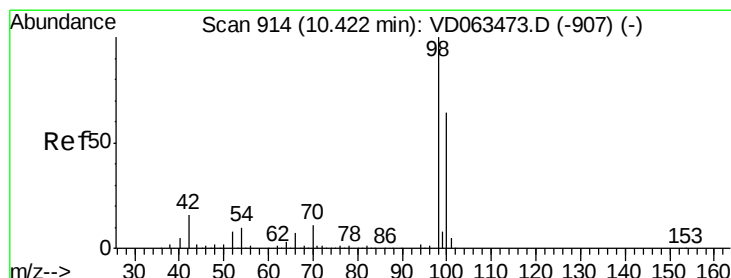
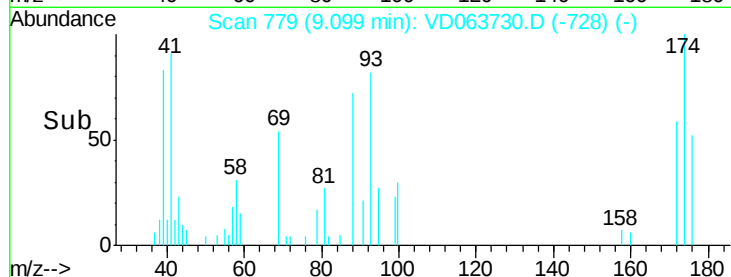
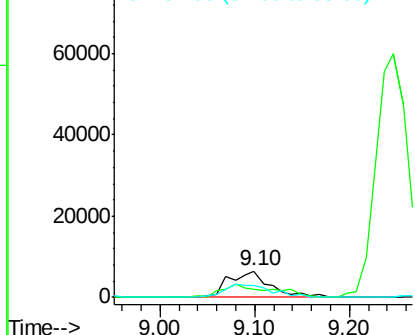
#49
1,4-Dioxane
Concen: 511.034 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion: 88 Resp: 19498
Ion Ratio Lower Upper
88 100
43 31.7 22.9 34.3
58 43.5 40.1 60.1

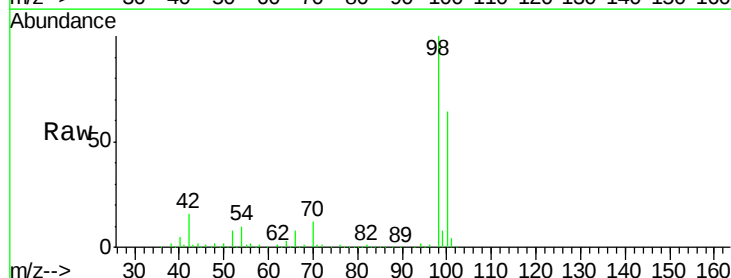


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

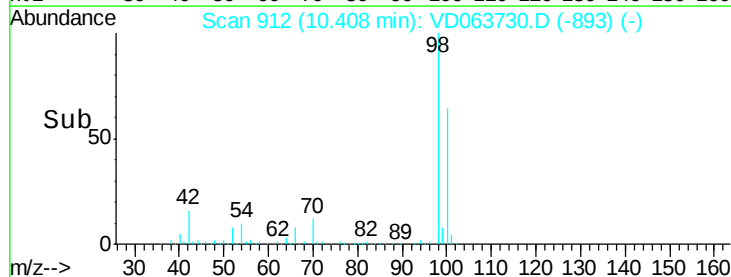
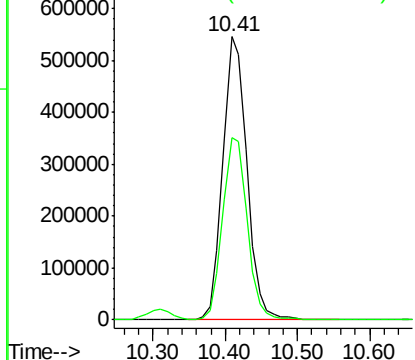


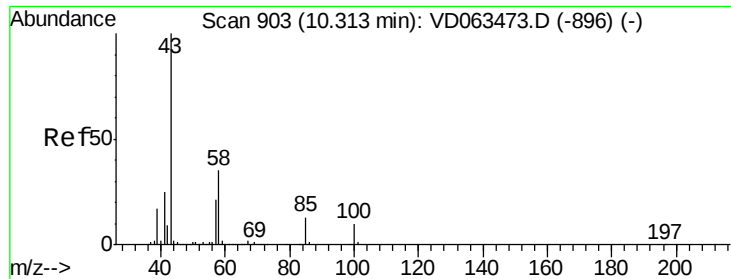
#50
Toluene-d8
Concen: 52.476 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 98 Resp: 1264588
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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

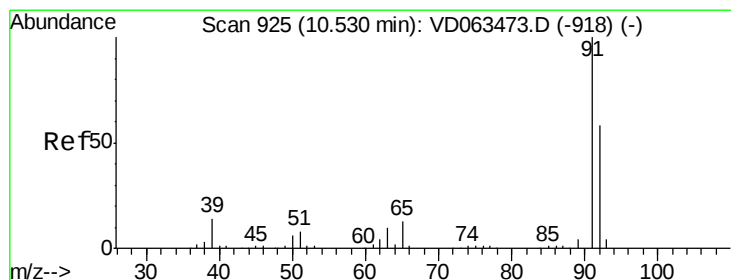
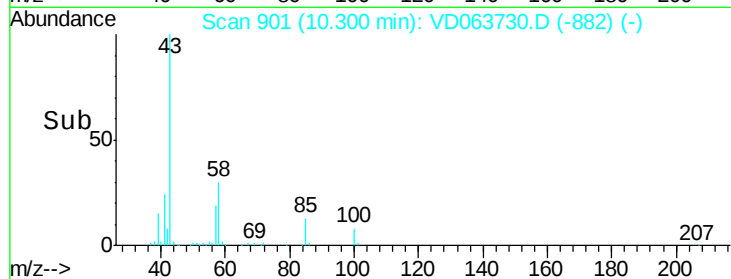
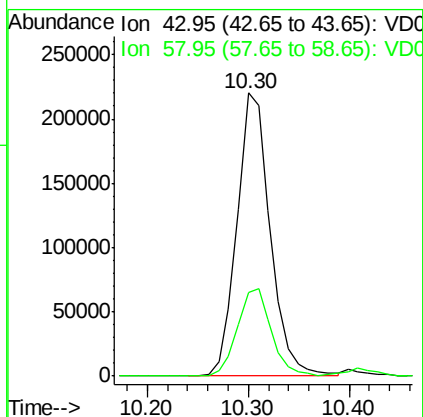
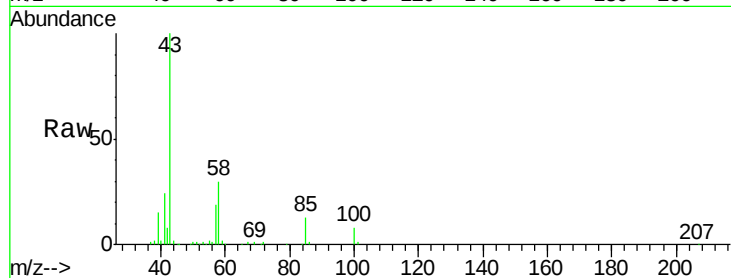




#51
 4-Methyl-2-Pentanone
 Concen: 114.661 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

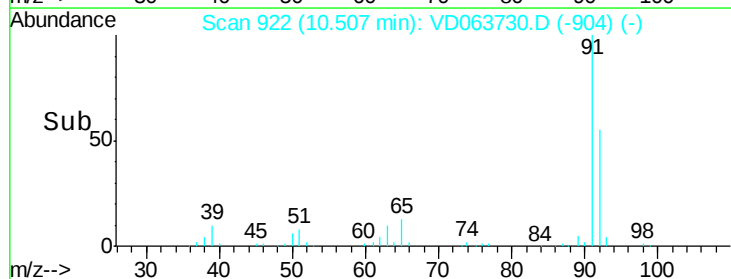
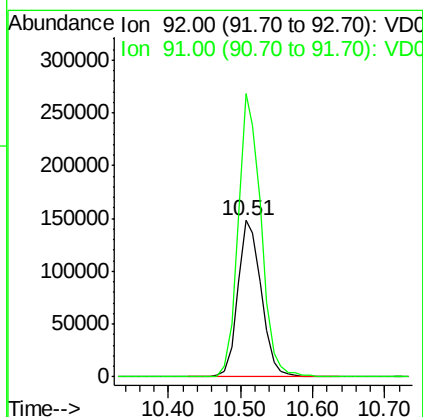
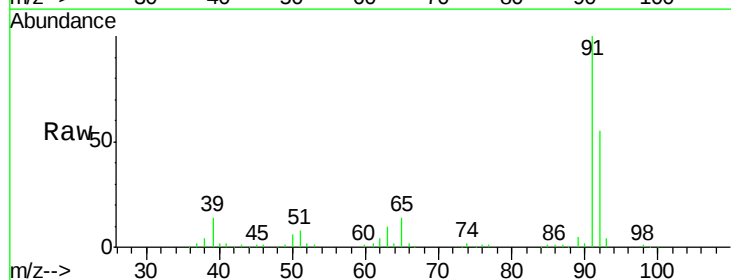
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

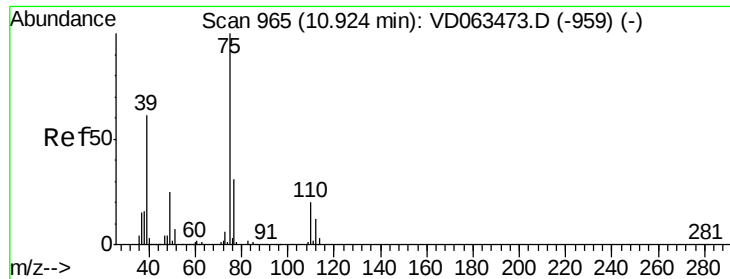
Tot Ion: 43 Resp: 506605
 Ion Ratio Lower Upper
 43 100
 58 29.7 28.0 42.0



#52
 Toluene
 Concen: 20.677 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion: 92 Resp: 337192
 Ion Ratio Lower Upper
 92 100
 91 181.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 23.445 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

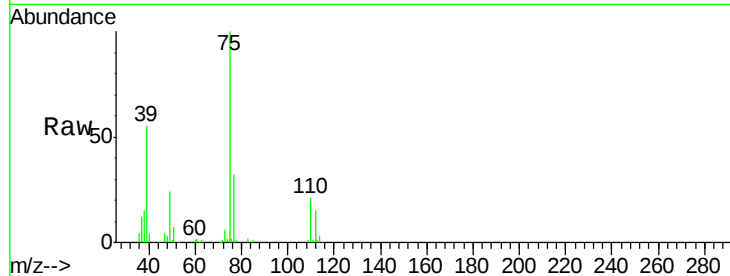
VD0822SBS01

Tot Ion: 75 Resp: 247121

Ion Ratio Lower Upper

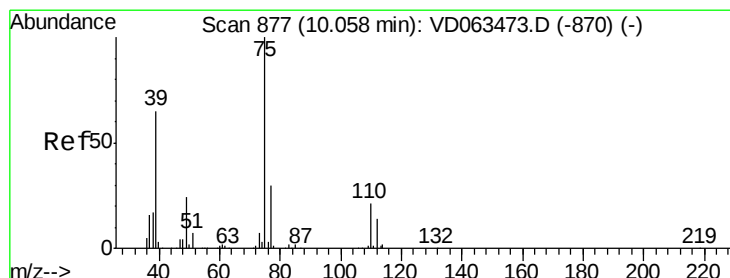
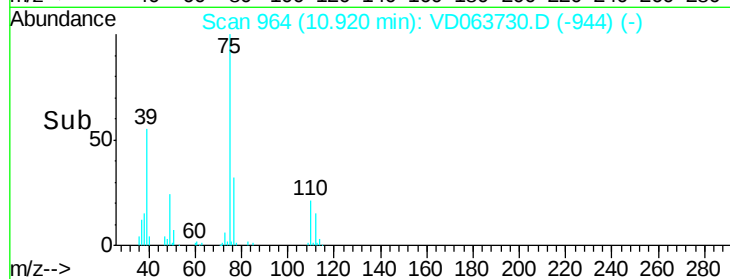
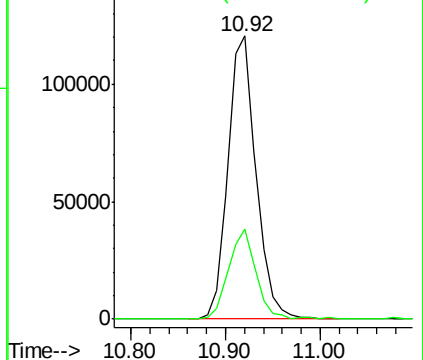
75 100

77 31.7 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: 20.631 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

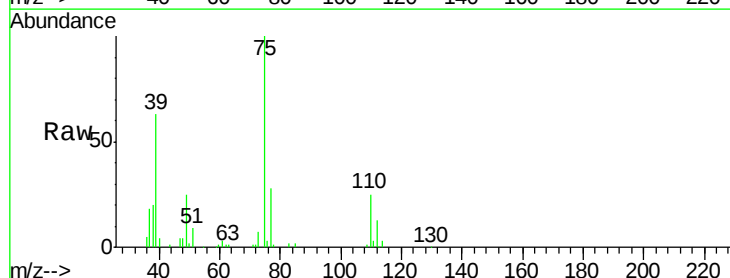
Tgt Ion: 75 Resp: 245205

Ion Ratio Lower Upper

75 100

77 28.4 23.7 35.5

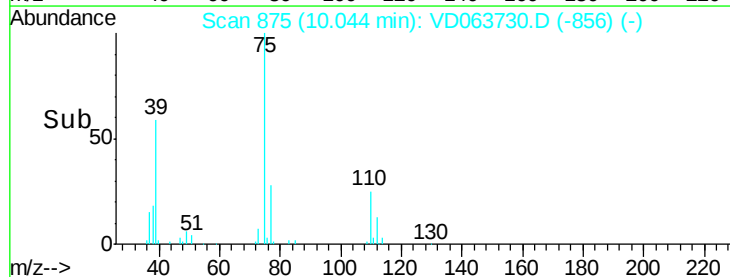
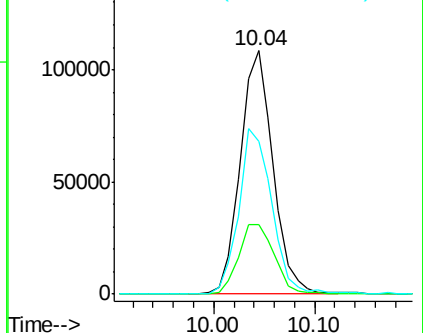
39 62.5 52.2 78.4

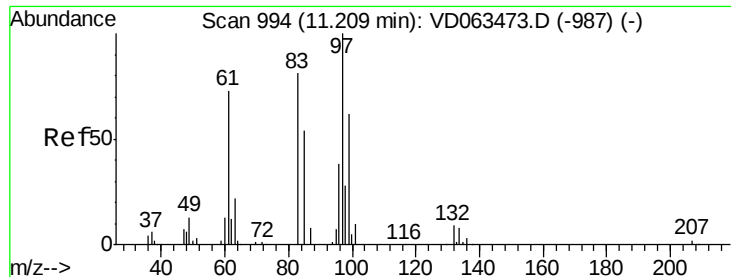


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 22.336 ug/l

RT: 11.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

Tot Ion: 97 Resp: 123044

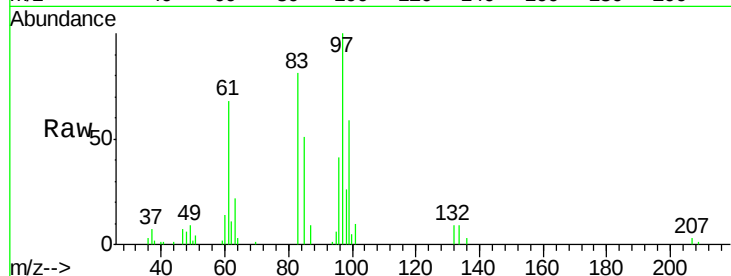
Ion Ratio Lower Upper

97 100

83 80.6 64.7 97.1

85 51.5 42.9 64.3

99 59.4 49.7 74.5

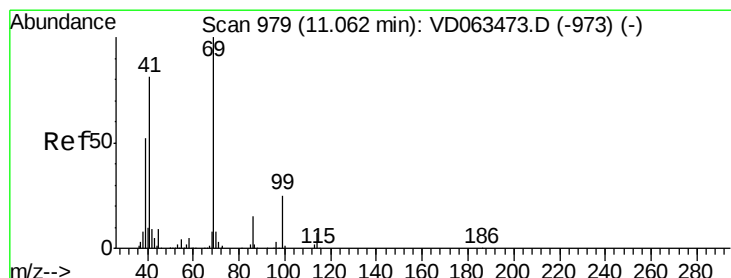
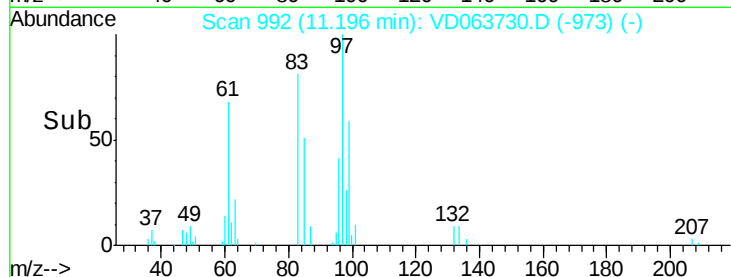
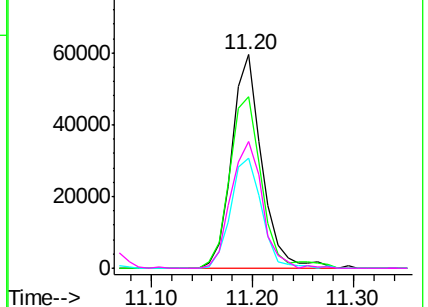


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.233 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

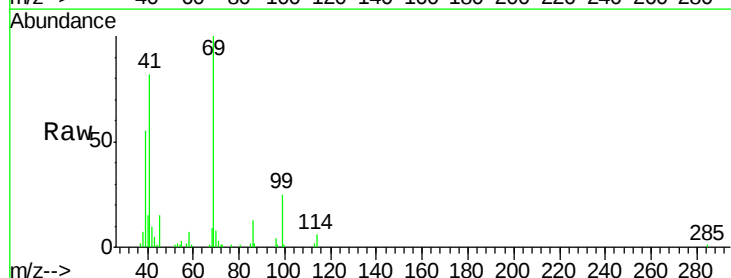
Tgt Ion: 69 Resp: 126952

Ion Ratio Lower Upper

69 100

41 82.2 64.8 97.2

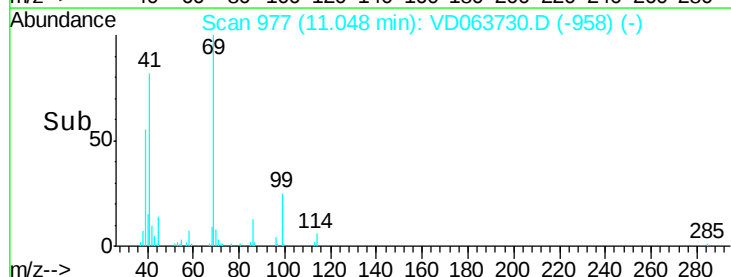
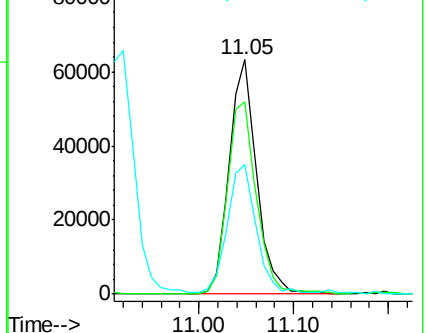
39 55.4 42.4 63.6

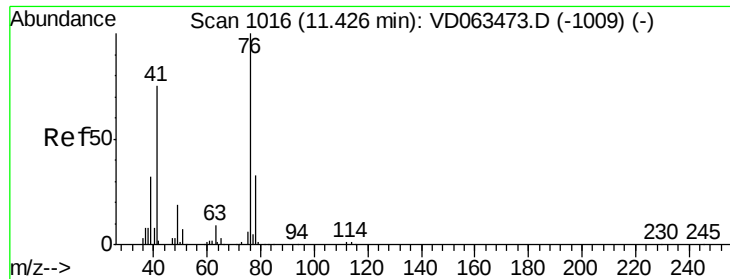


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

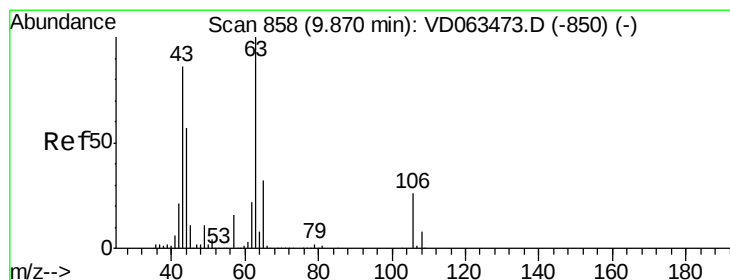
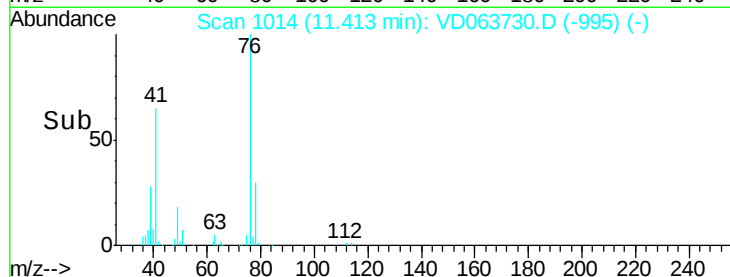
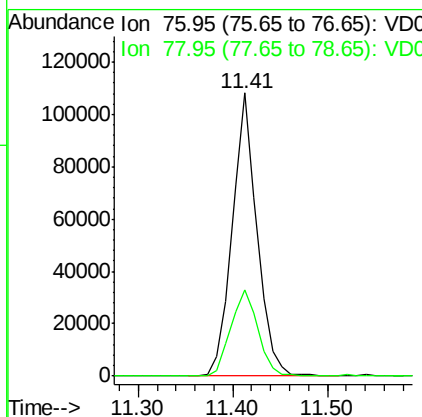
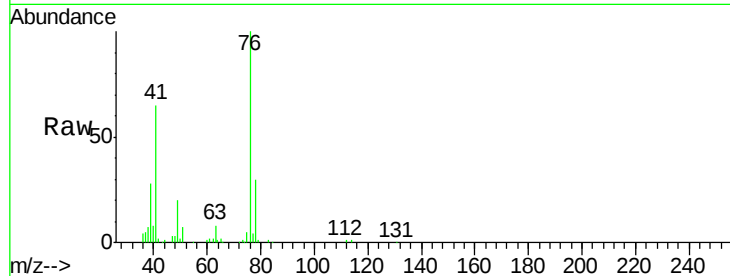




#57
 1,3-Dichloropropane
 Concen: 23.548 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

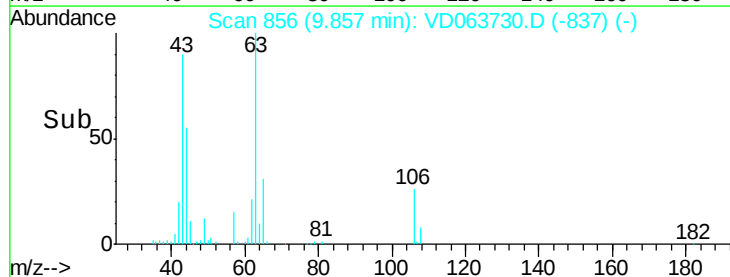
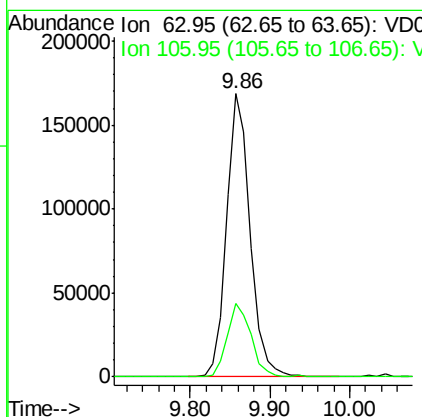
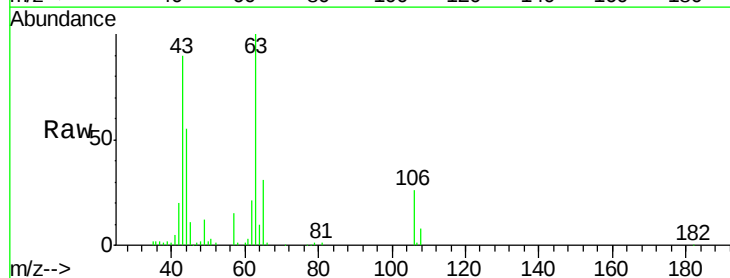
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

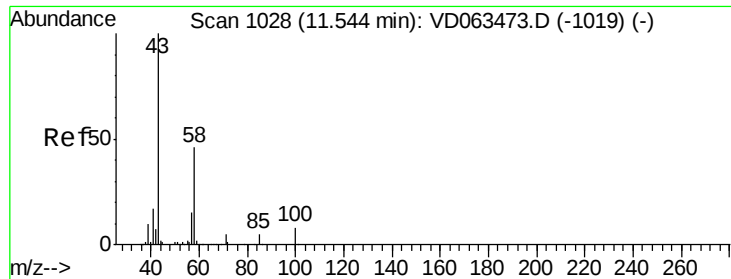
Tot Ion: 76 Resp: 196079
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.046 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion: 63 Resp: 350523
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.8 31.2

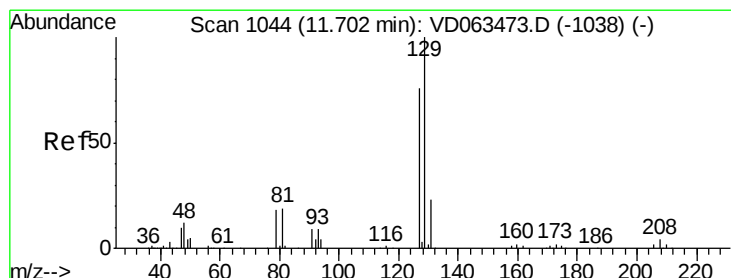
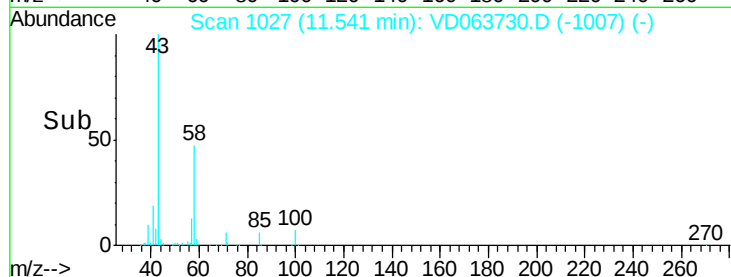
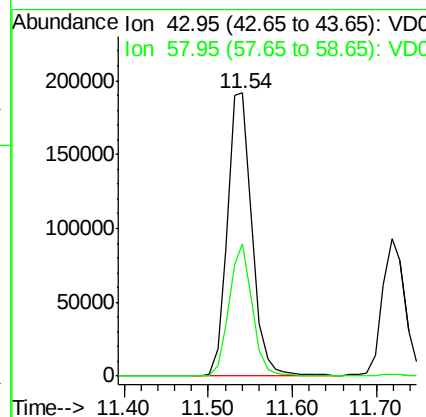
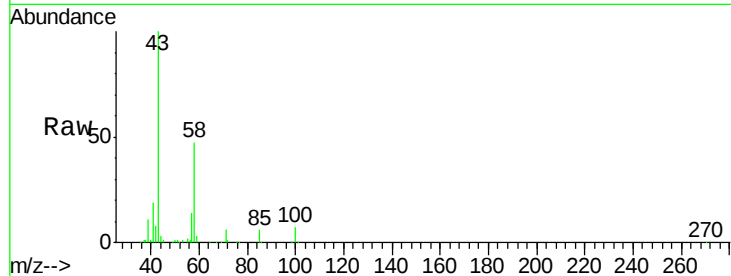




#59
2-Hexanone
Concen: 120.481 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

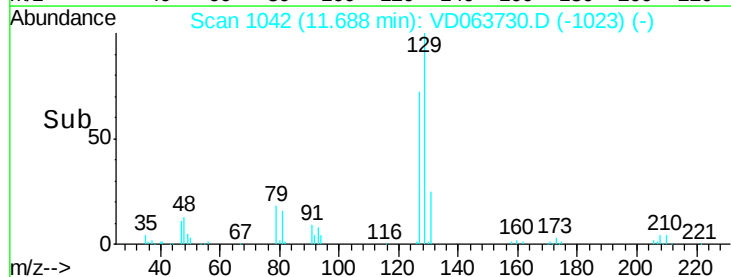
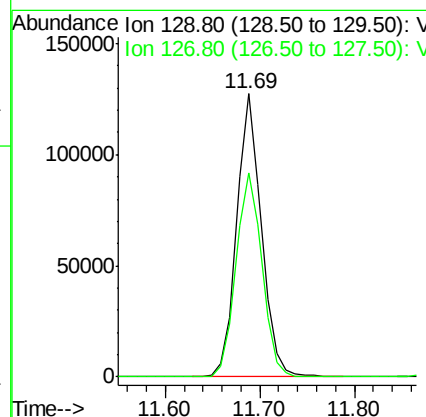
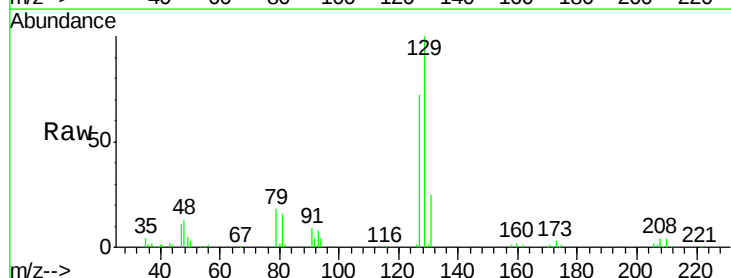
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

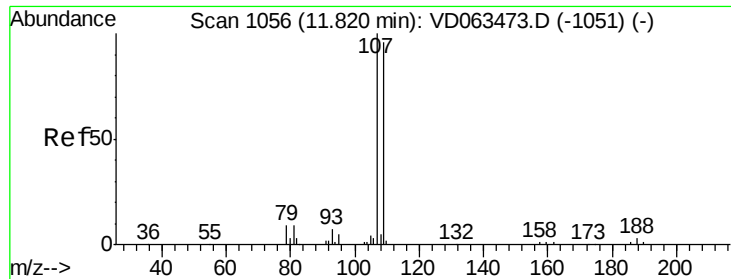
Tot Ion: 43 Resp: 387330
Ion Ratio Lower Upper
43 100
58 46.9 23.1 69.2



#60
Dibromochloromethane
Concen: 22.974 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 129 Resp: 230294
Ion Ratio Lower Upper
129 100
127 72.1 37.8 113.4

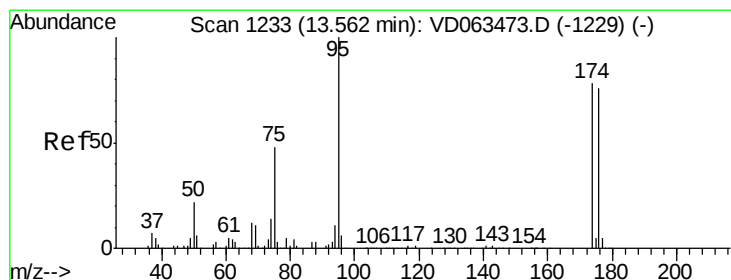
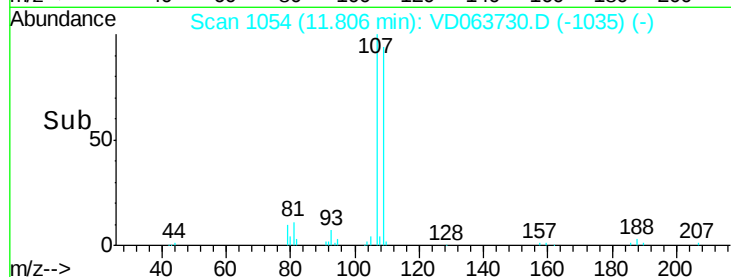
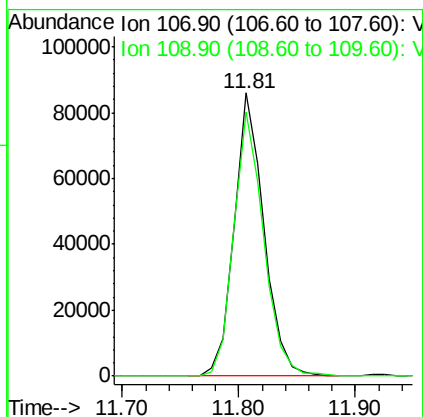
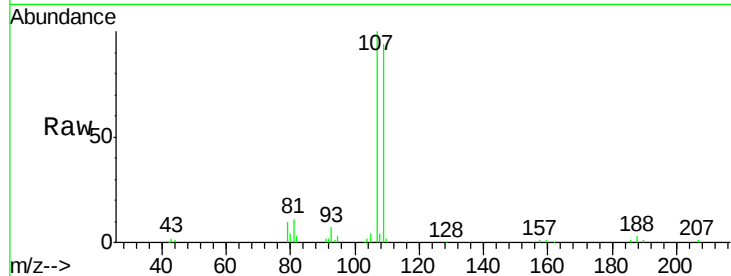




#61
 1,2-Dibromoethane
 Concen: 22.730 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

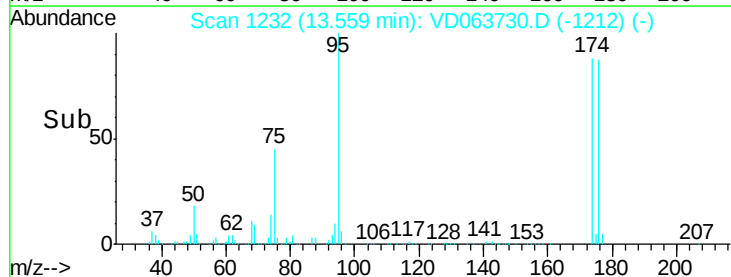
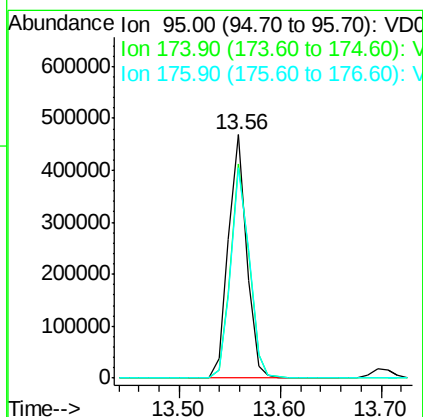
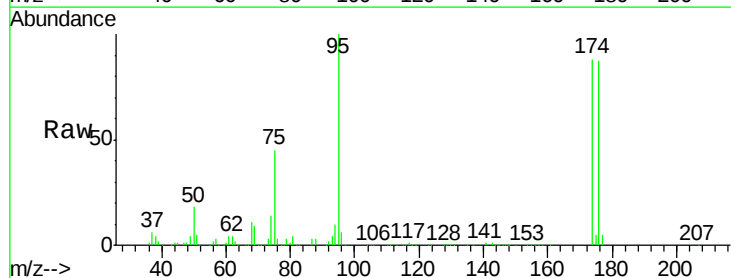
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

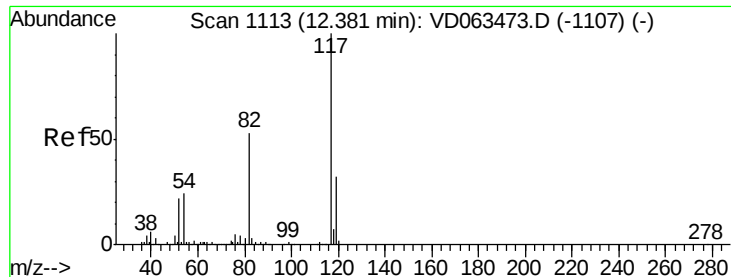
Tot Ion:107 Resp: 151582
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.043 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion: 95 Resp: 590280
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 155.4
 176 86.6 0.0 152.4

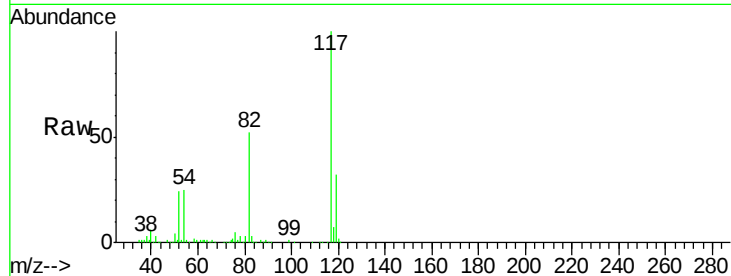




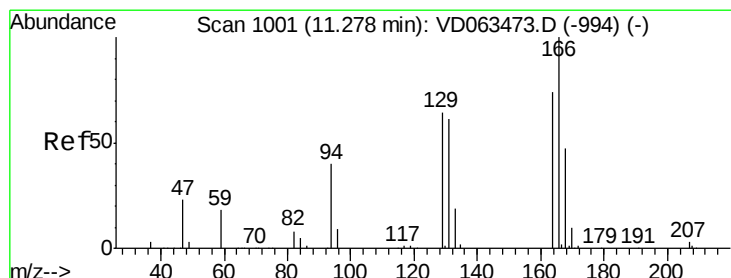
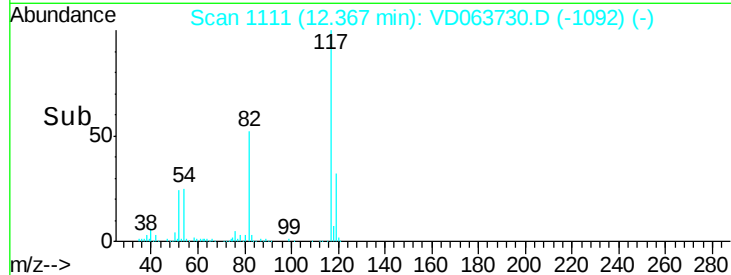
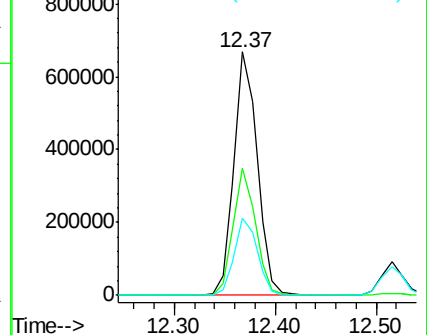
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion:117 Resp: 1077613
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 31.9 25.4 38.0

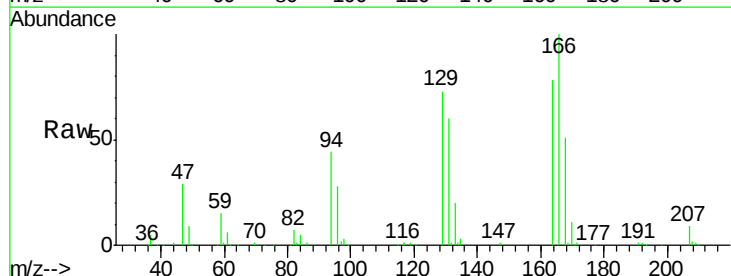


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

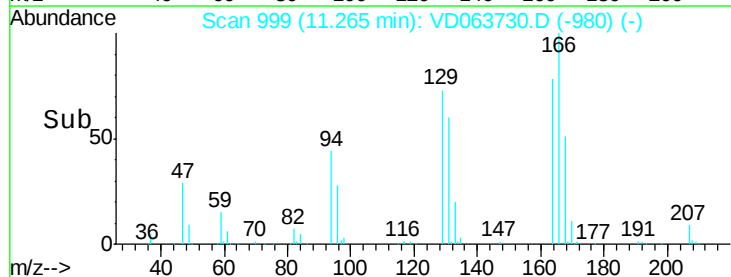
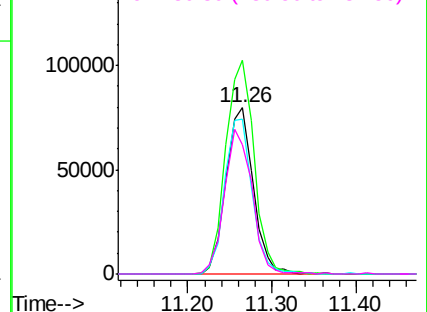


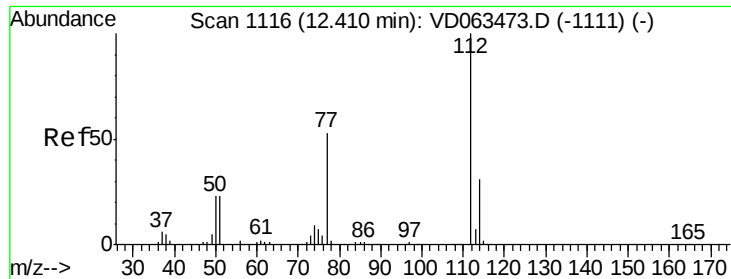
#64
Tetrachloroethene
Concen: 21.581 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion:164 Resp: 179532
Ion Ratio Lower Upper
164 100
166 128.5 108.6 163.0
129 93.2 69.0 103.6
131 77.5 66.6 99.8



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

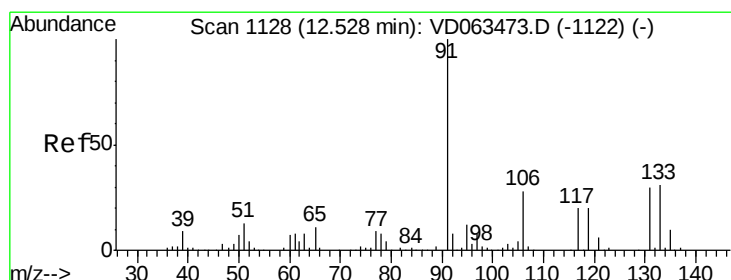
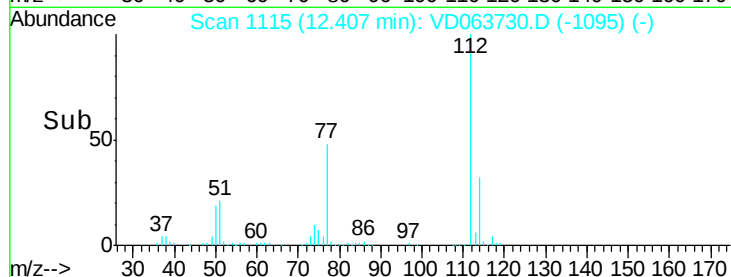
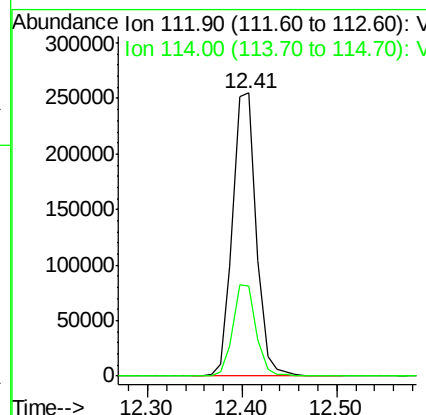
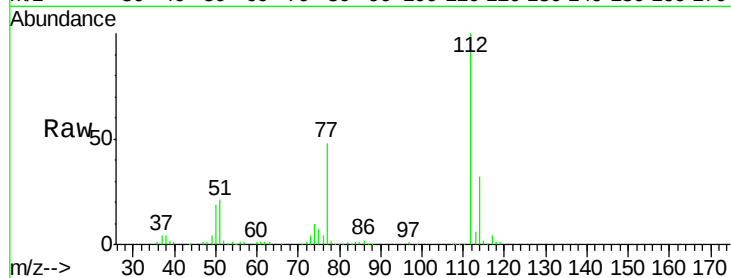




#65
Chlorobenzene
Concen: 22.018 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

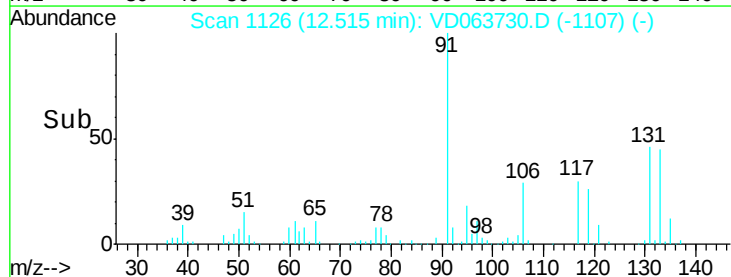
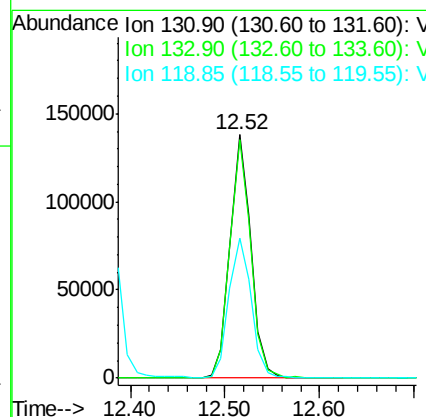
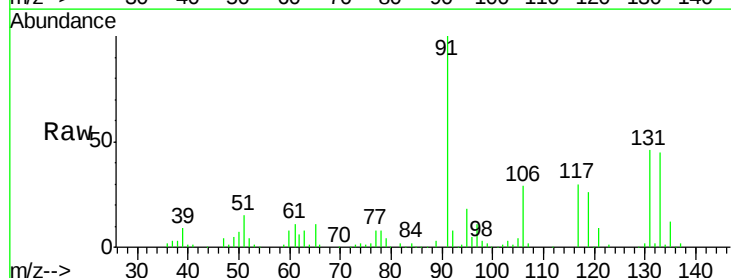
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion:112 Resp: 444704
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.817 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion:131 Resp: 211705
Ion Ratio Lower Upper
131 100
133 98.1 51.1 153.3
119 57.7 33.1 99.3

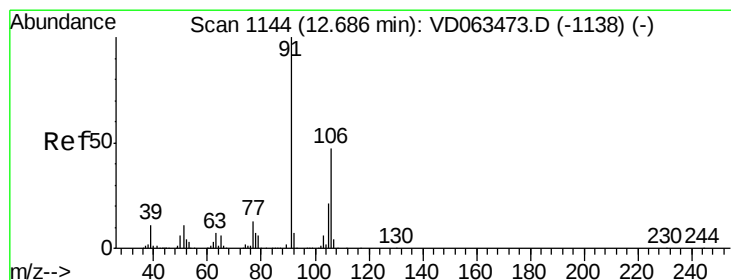
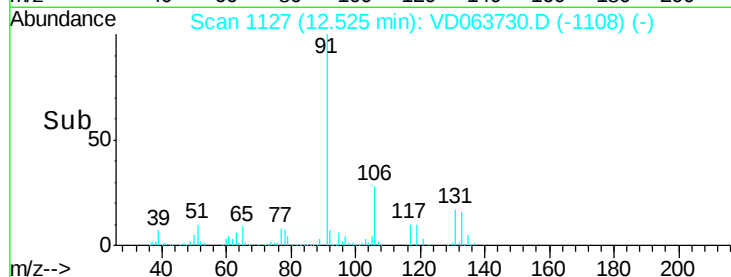
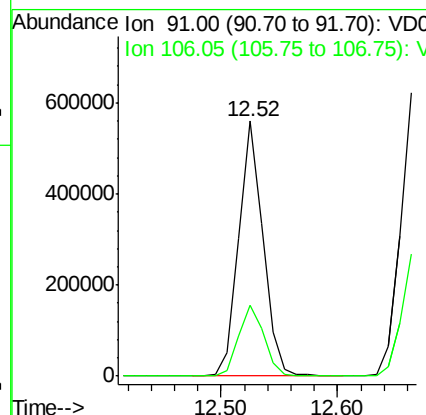
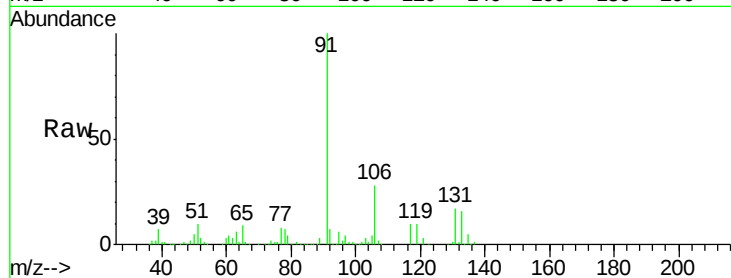




#67
Ethyl Benzene
Concen: 23.176 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

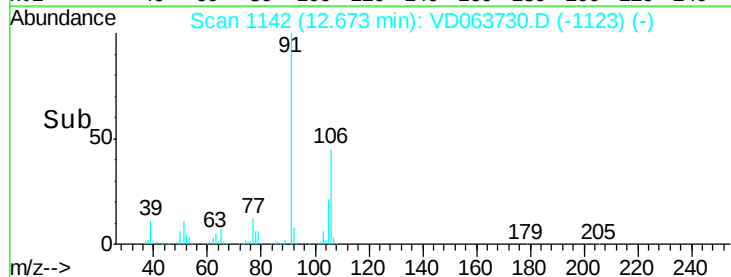
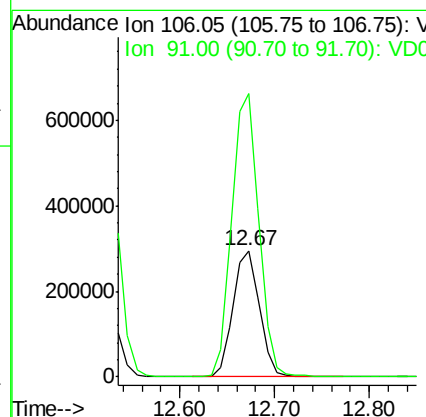
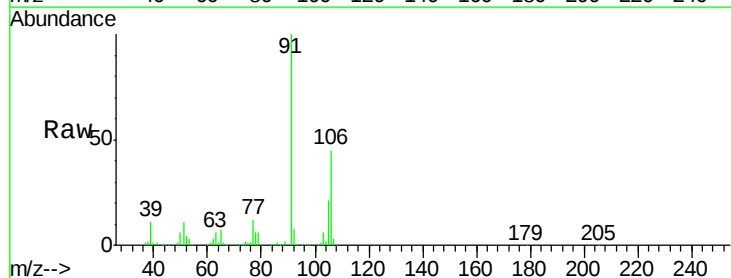
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

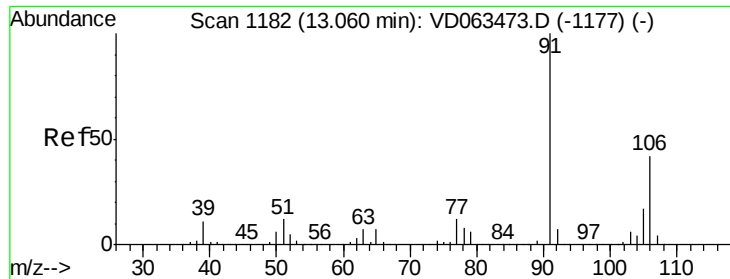
Tot Ion: 91 Resp: 813878
Ion Ratio Lower Upper
91 100
106 27.6 23.1 34.7



#68
m/p-Xylenes
Concen: 46.191 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion: 106 Resp: 569901
Ion Ratio Lower Upper
106 100
91 224.4 171.8 257.8

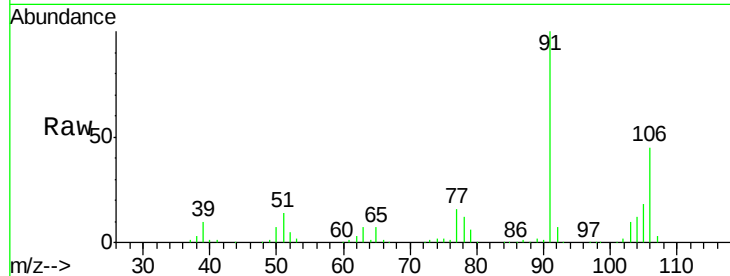




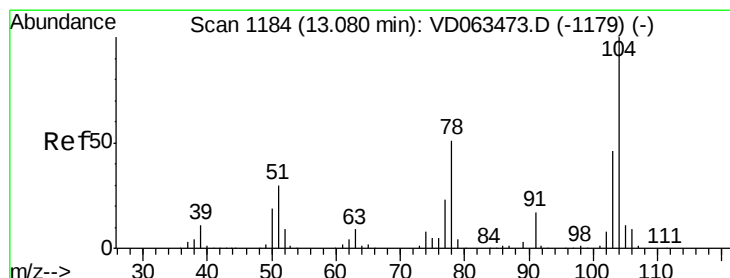
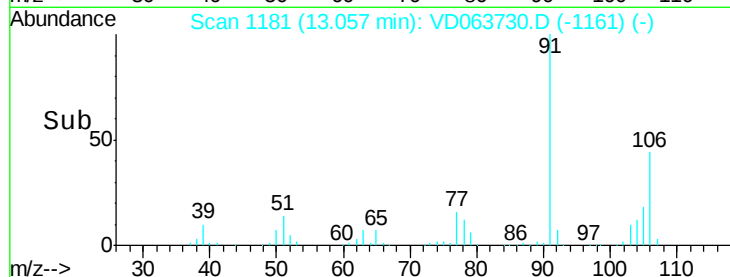
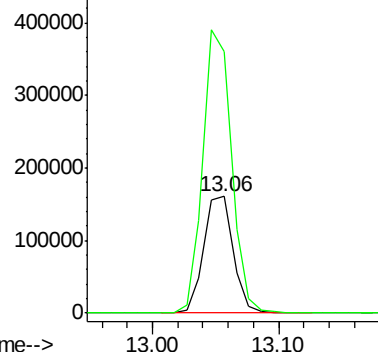
#69
o-Xylene
Concen: 21.746 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion:106 Resp: 258228
Ion Ratio Lower Upper
106 100
91 224.5 118.1 354.2

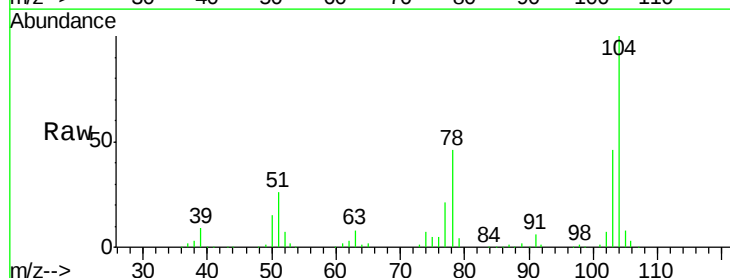


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

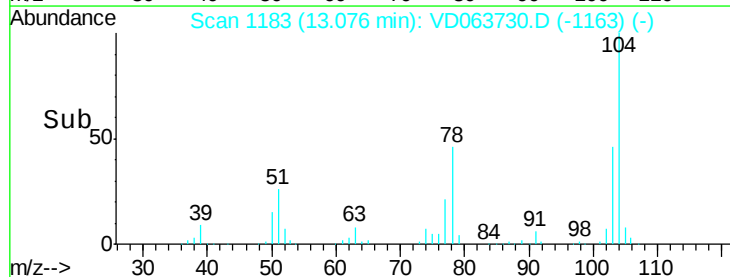
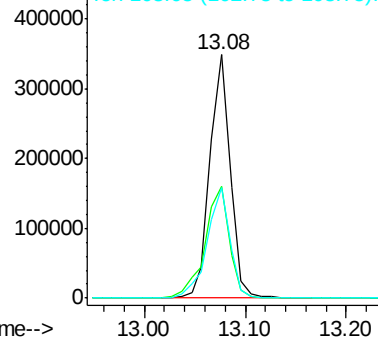


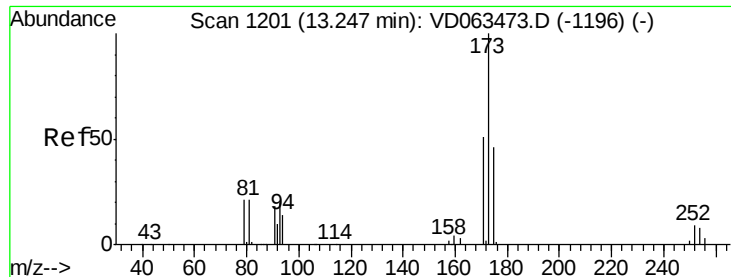
#70
Styrene
Concen: 23.095 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion:104 Resp: 487841
Ion Ratio Lower Upper
104 100
78 46.0 40.8 61.2
103 45.6 36.4 54.6



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

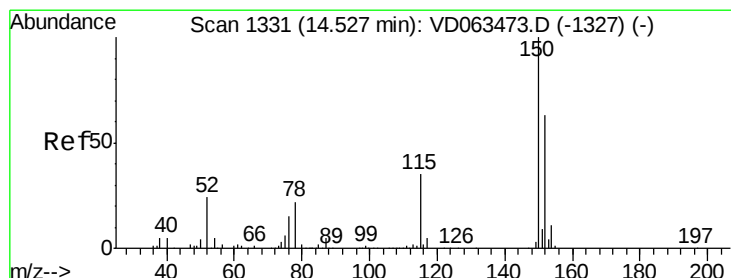
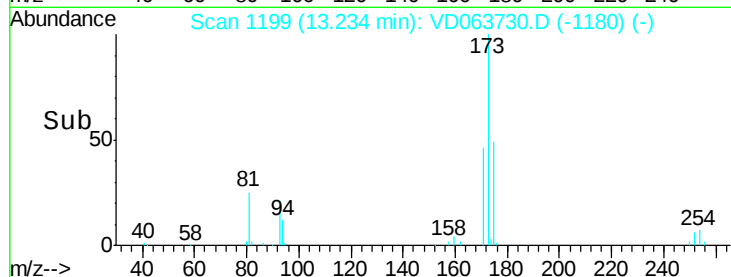
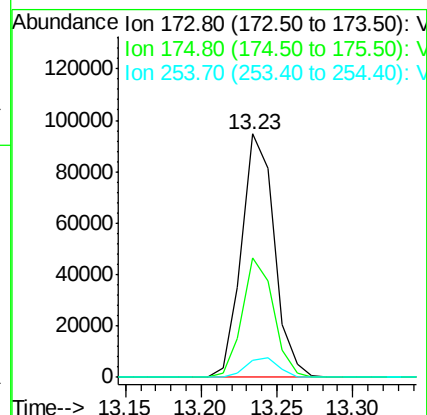
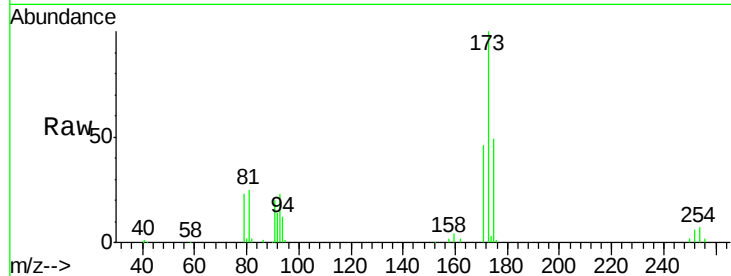




#71
Bromoform
Concen: 23.342 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

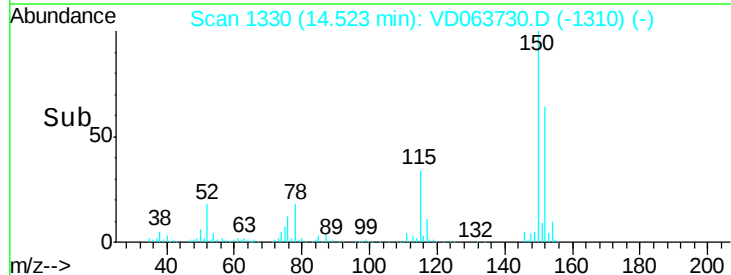
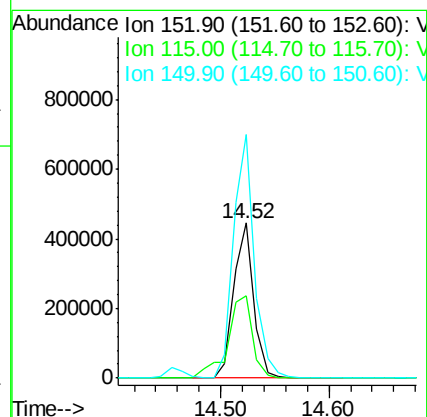
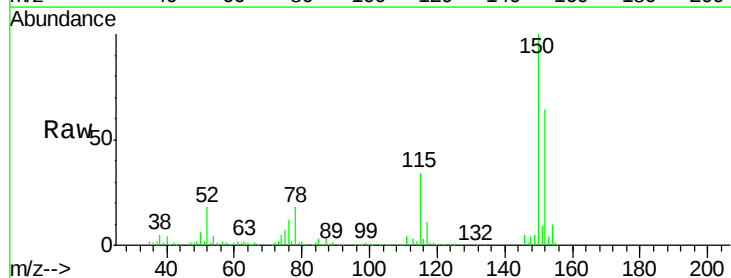
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion:173 Resp: 142264
Ion Ratio Lower Upper
173 100
175 49.0 22.8 68.3
254 6.9 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion:152 Resp: 571879
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 157.0 0.0 318.6





#73

Isopropylbenzene

Concen: 21.587 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

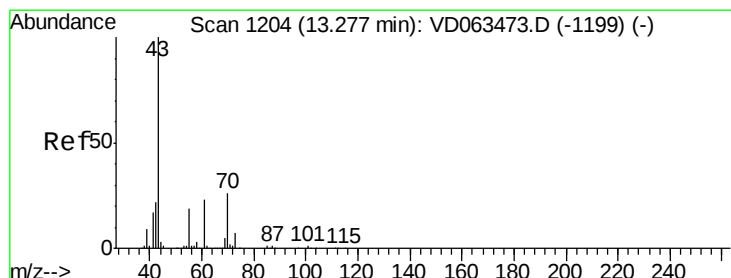
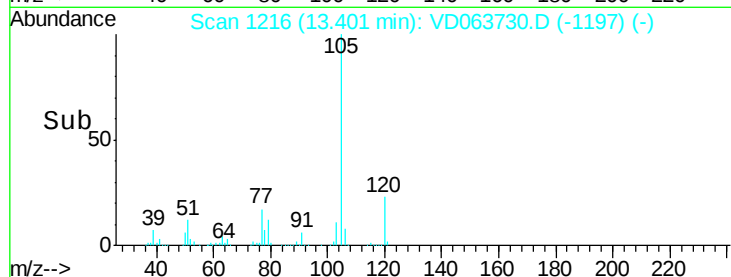
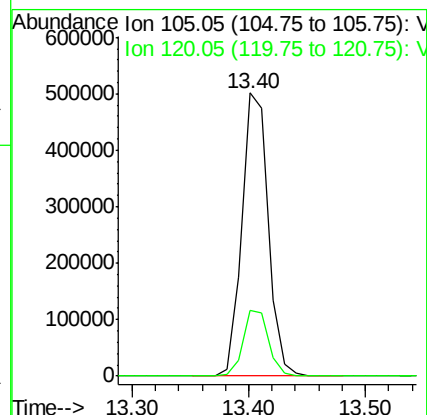
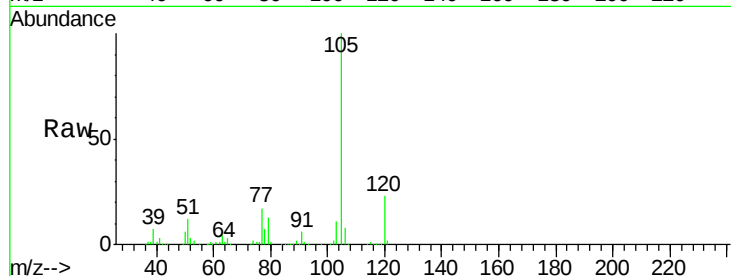
VD0822SBS01

Tot Ion:105 Resp: 785217

Ion Ratio Lower Upper

105 100

120 23.2 11.9 35.9



#74

N-ethyl acetate

Concen: 24.284 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Tgt Ion: 43 Resp: 221740

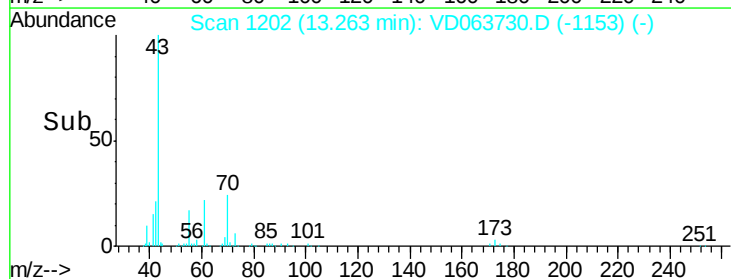
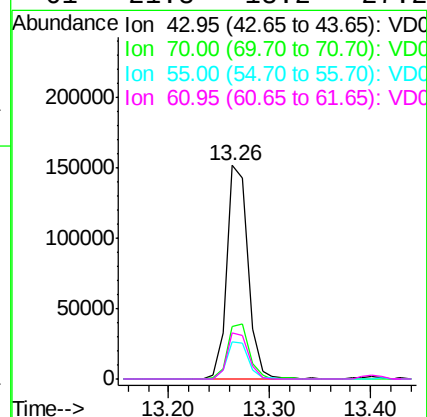
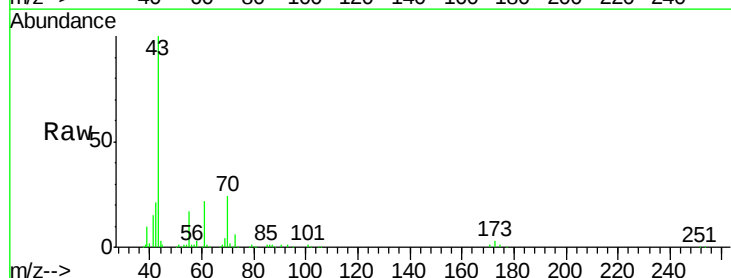
Ion Ratio Lower Upper

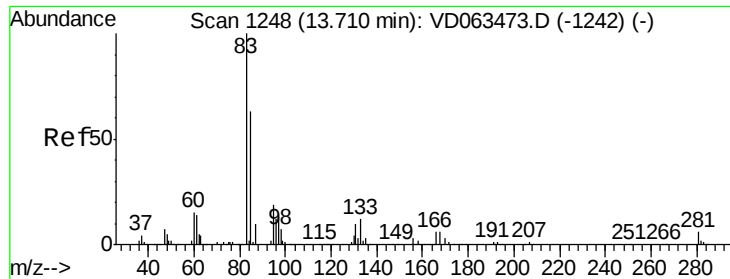
43 100

70 24.4 21.1 31.7

55 17.4 15.4 23.0

61 21.8 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.023 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleID :

VD0822SBS01

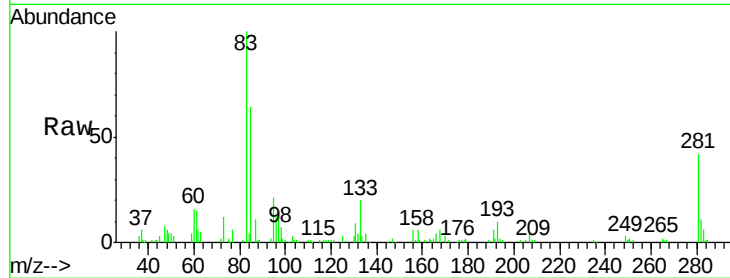
Tot Ion: 83 Resp: 132963

Ion Ratio Lower Upper

83 100

131 9.4 5.3 15.8

85 63.9 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

100000

80000

60000

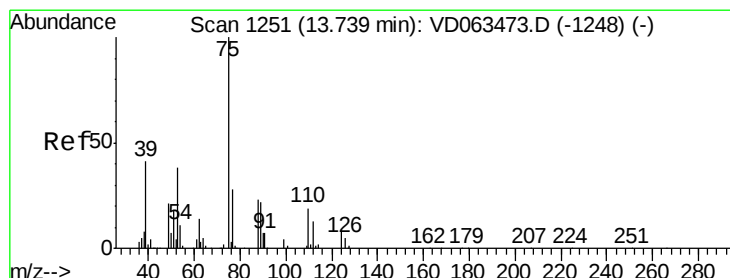
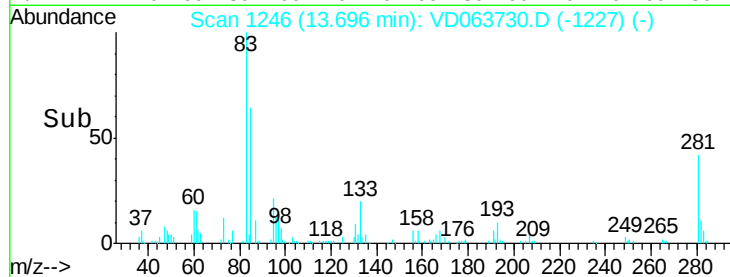
40000

20000

0

13.65 13.70 13.75 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.330 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063730.D

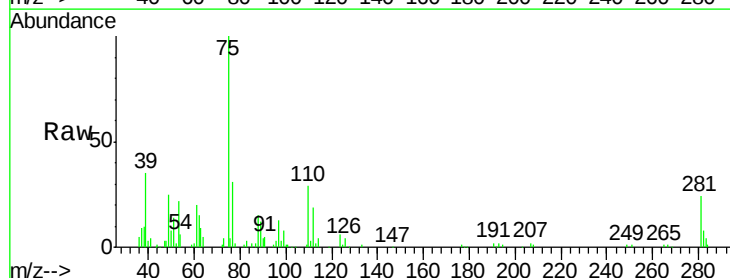
Acq: 22 Aug 2019 13:43

Tgt Ion: 75 Resp: 153118

Ion Ratio Lower Upper

75 100

77 30.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

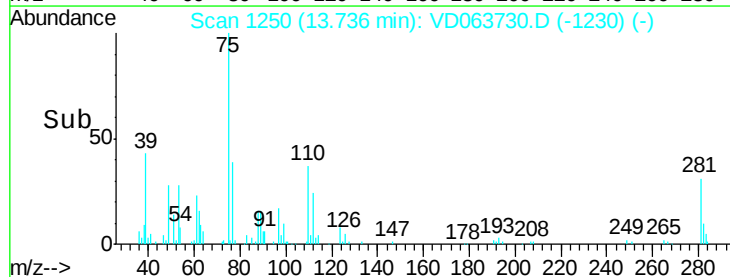
100000

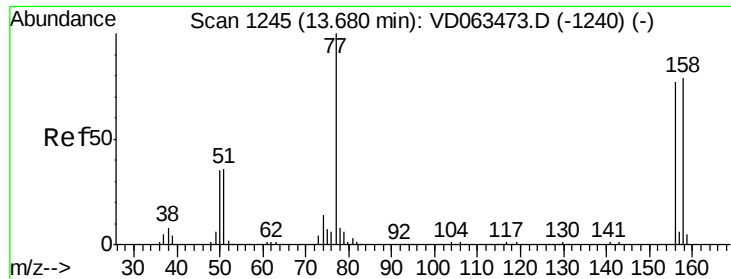
50000

0

13.65 13.70 13.75 13.80

Time-->





#77

Bromobenzene

Concen: 22.667 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

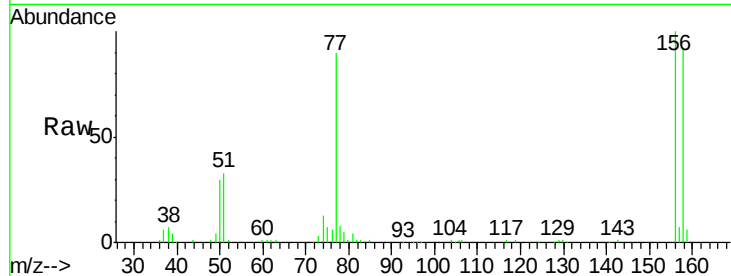
Tot Ion:156 Resp: 225338

Ion Ratio Lower Upper

156 100

77 90.4 64.6 193.8

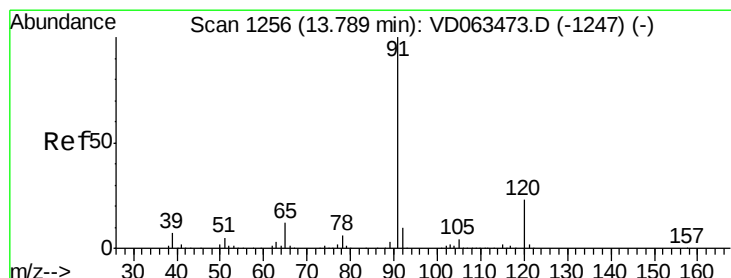
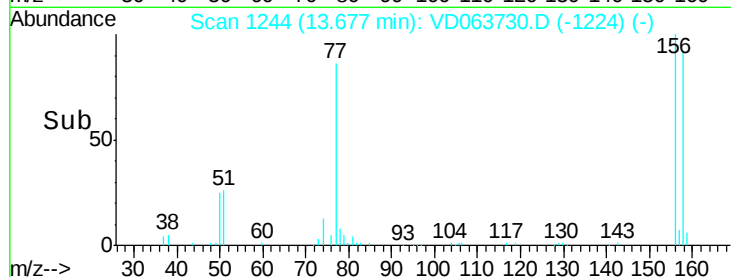
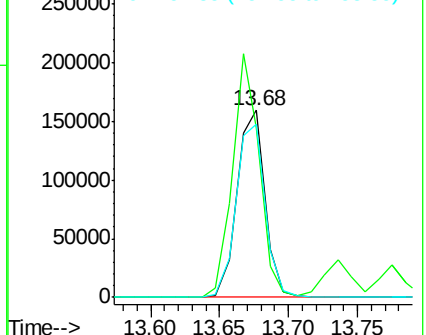
158 92.3 50.9 152.7



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: 22.079 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063730.D

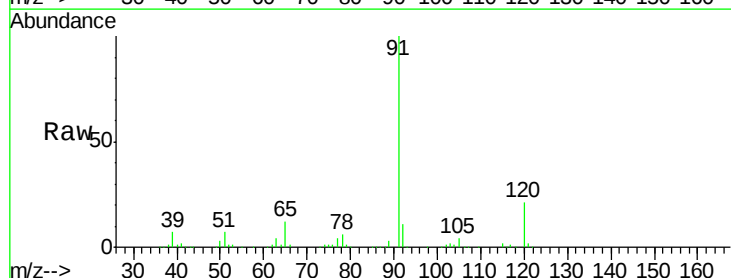
Acq: 22 Aug 2019 13:43

Tgt Ion: 91 Resp: 939661

Ion Ratio Lower Upper

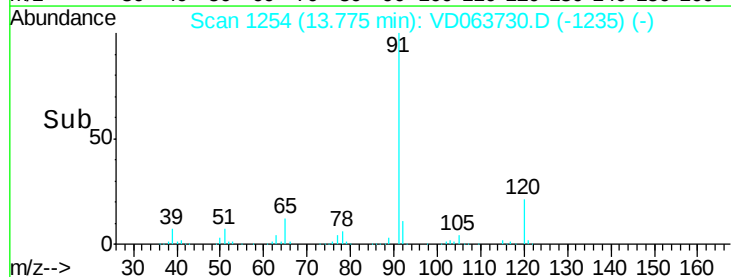
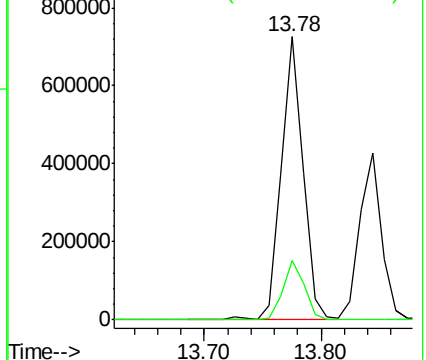
91 100

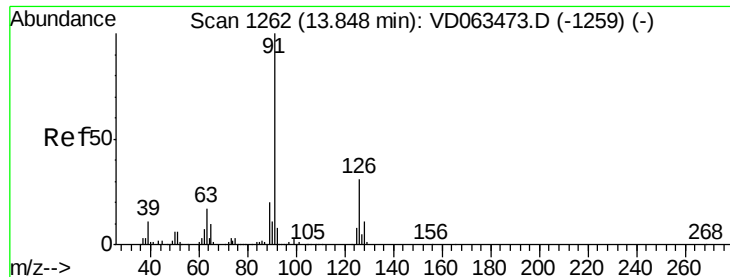
120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.611 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

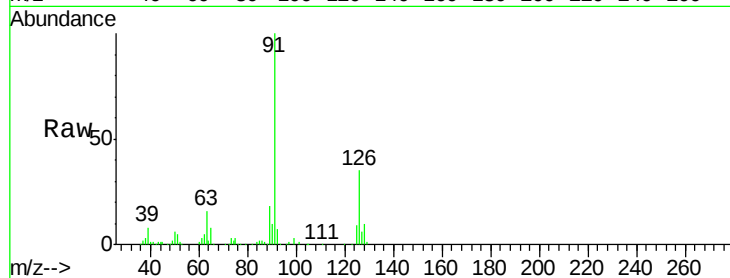
VD0822SBS01

Tot Ion: 91 Resp: 554847

Ion Ratio Lower Upper

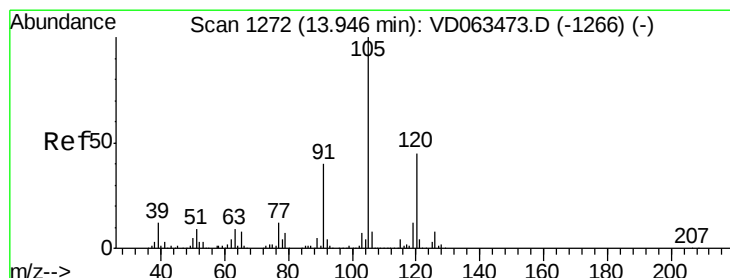
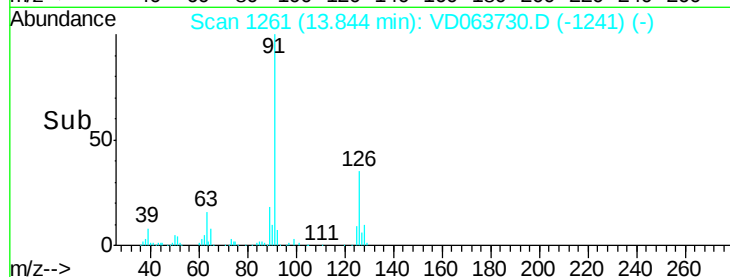
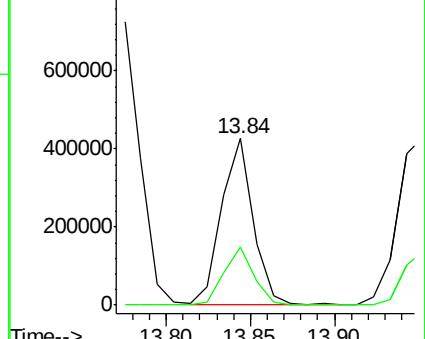
91 100

126 35.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063730.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063730.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.534 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063730.D

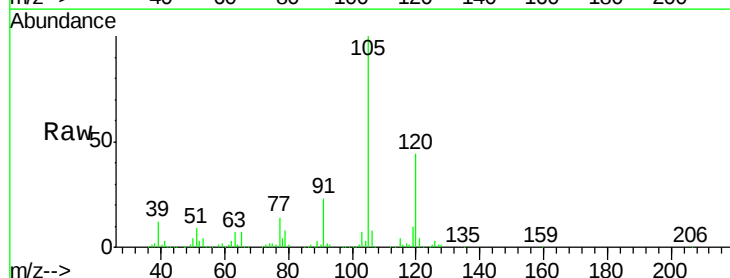
Acq: 22 Aug 2019 13:43

Tgt Ion:105 Resp: 684377

Ion Ratio Lower Upper

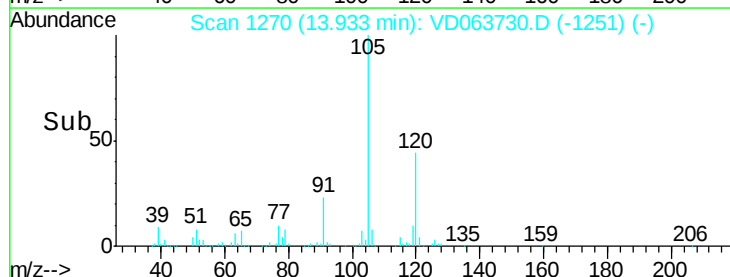
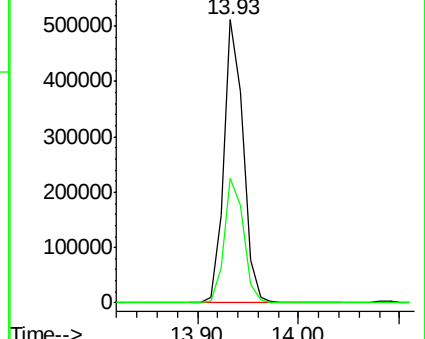
105 100

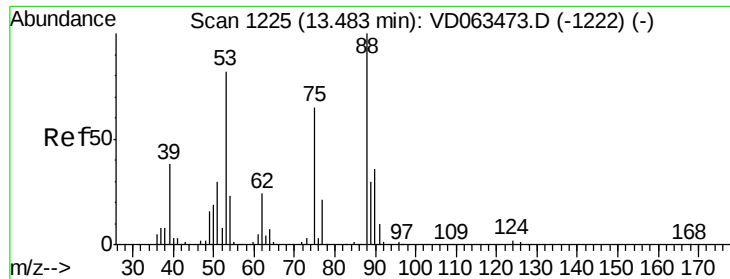
120 44.1 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063730.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD063730.D (-1251) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.865 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

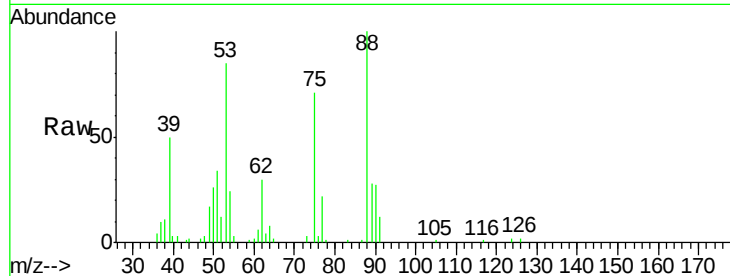
Tot Ion: 75 Resp: 38570

Ion Ratio Lower Upper

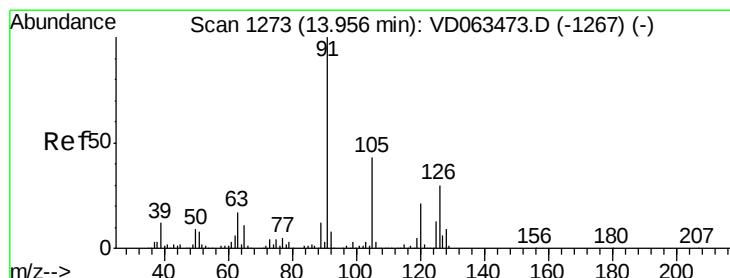
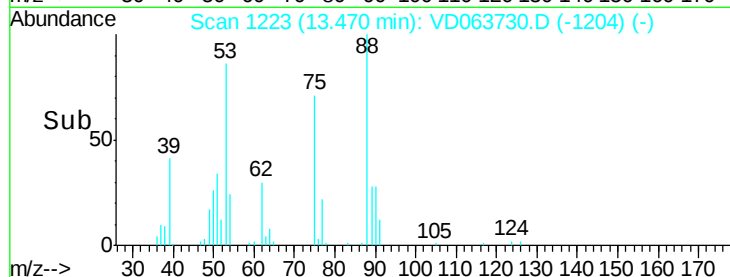
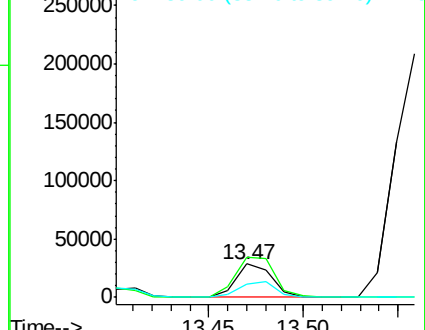
75 100

53 120.4 101.0 151.4

89 38.8 37.0 55.6



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



#82

4-Chlorotoluene

Concen: 21.956 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063730.D

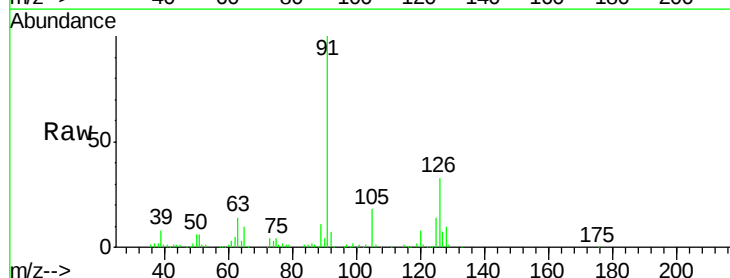
Acq: 22 Aug 2019 13:43

Tgt Ion: 91 Resp: 647880

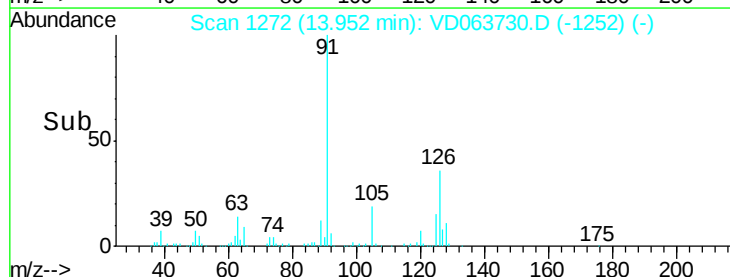
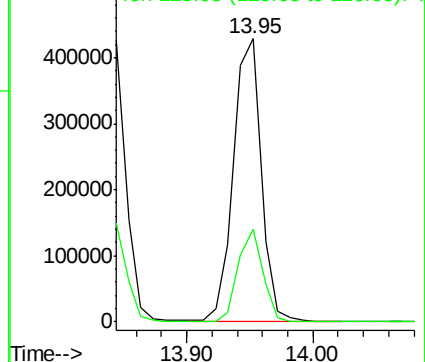
Ion Ratio Lower Upper

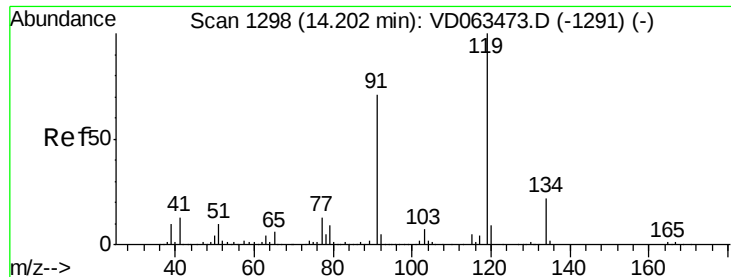
91 100

126 32.5 15.2 45.6



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





#83

tert-Butylbenzene

Concen: 22.994 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

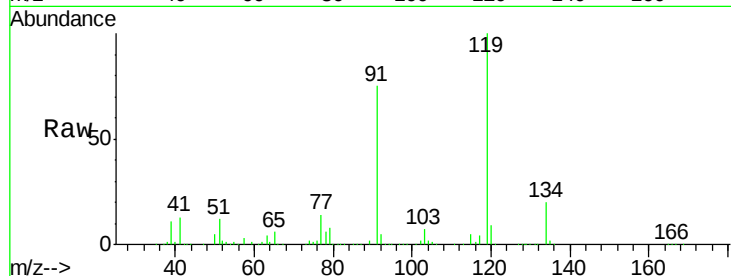
Tot Ion:119 Resp: 769551

Ion Ratio Lower Upper

119 100

91 74.8 35.5 106.7

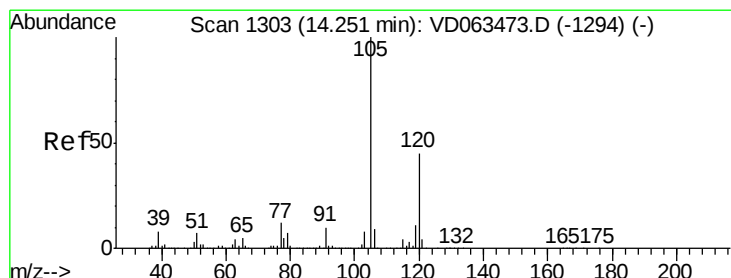
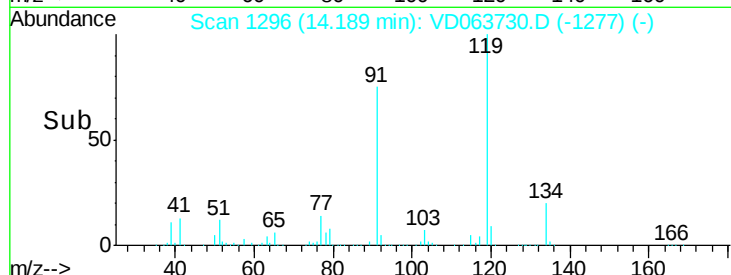
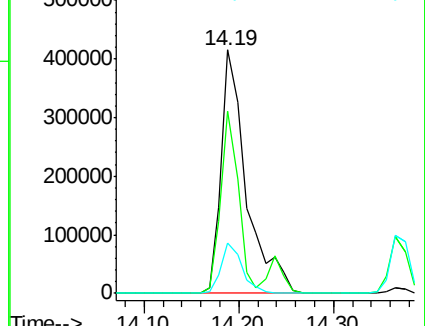
134 20.4 11.1 33.1



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: 23.804 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063730.D

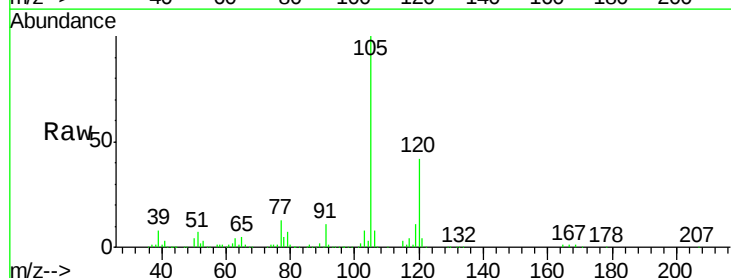
Acq: 22 Aug 2019 13:43

Tgt Ion:105 Resp: 699985

Ion Ratio Lower Upper

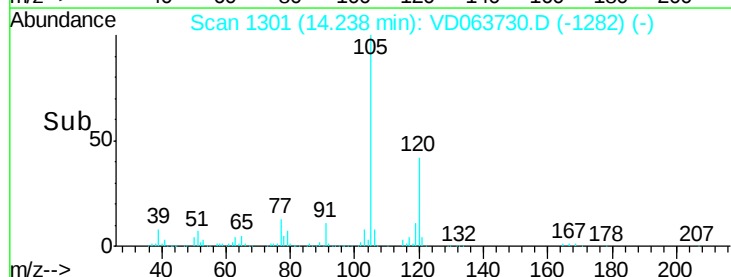
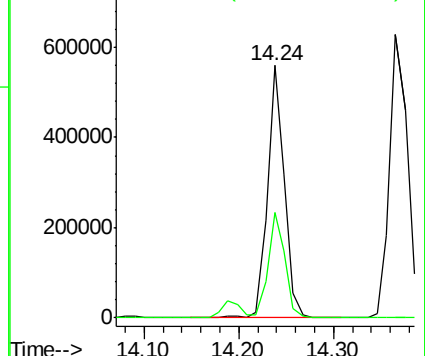
105 100

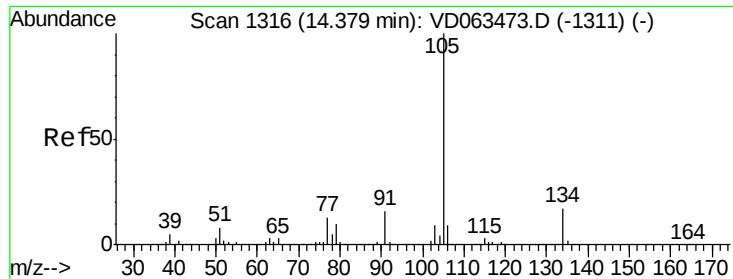
120 41.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 23.317 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

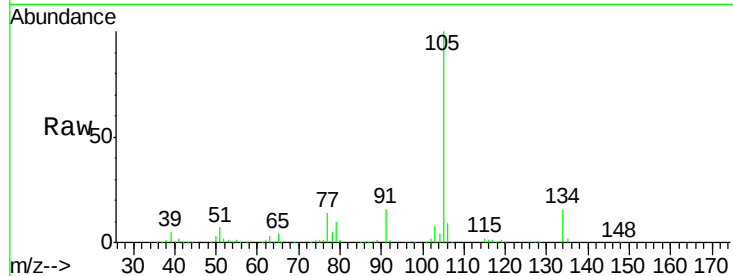
VD0822SBS01

Tot Ion:105 Resp: 828736

Ion Ratio Lower Upper

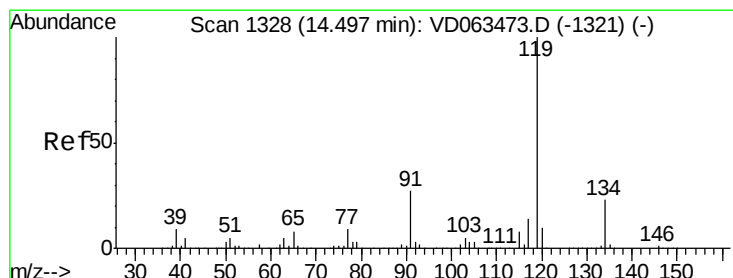
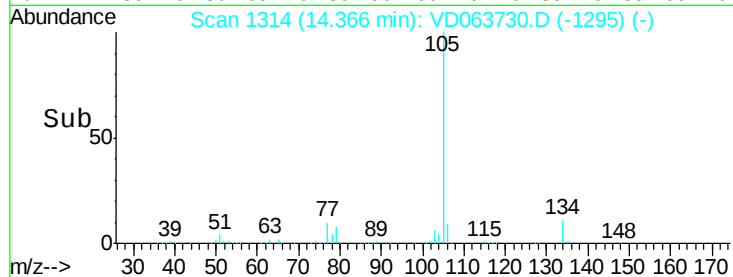
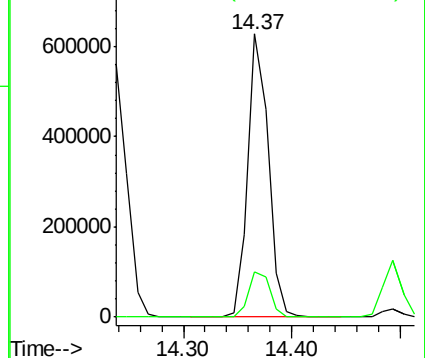
105 100

134 15.9 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.564 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

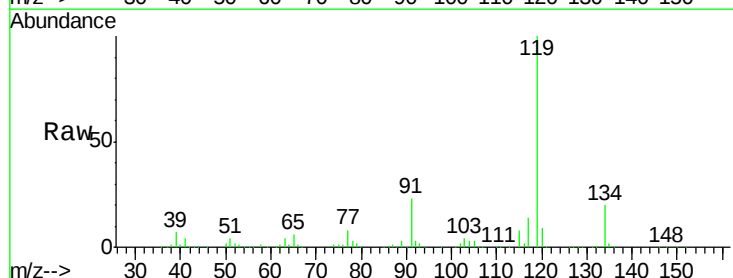
Tgt Ion:119 Resp: 732806

Ion Ratio Lower Upper

119 100

134 20.3 11.3 33.8

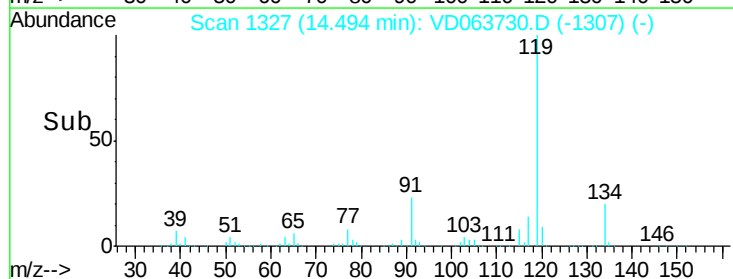
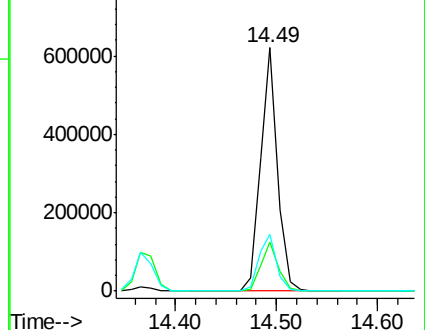
91 23.0 13.5 40.4

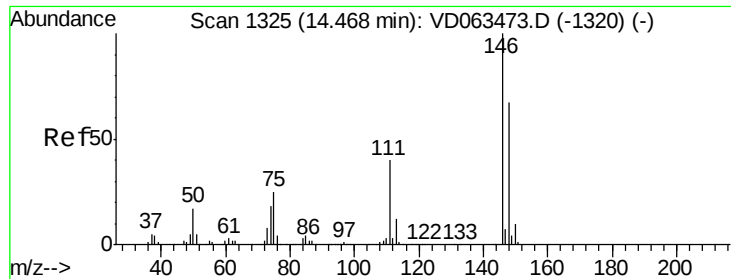


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

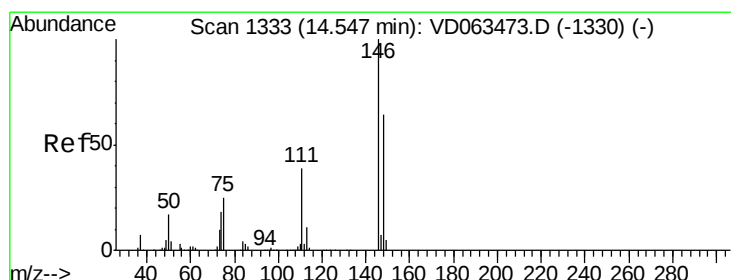
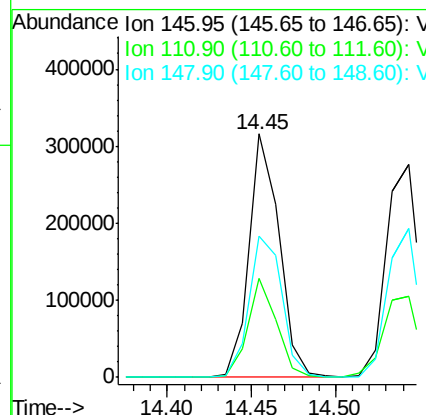
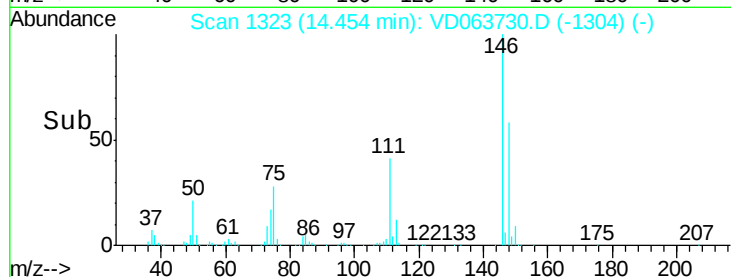
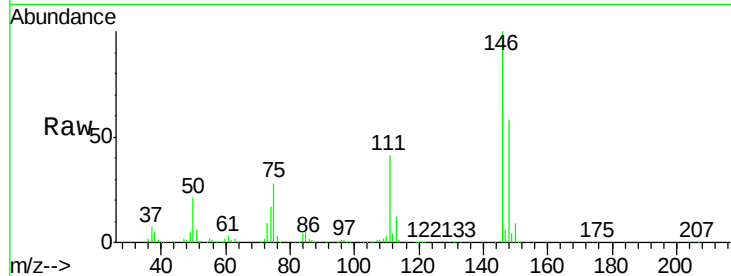




#87
 1,3-Dichlorobenzene
 Concen: 21.875 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

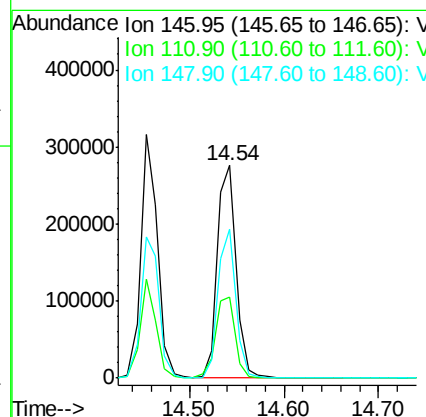
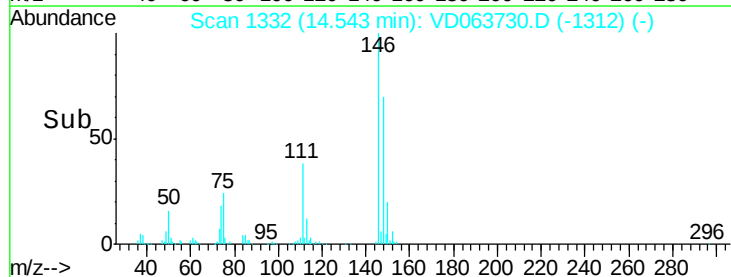
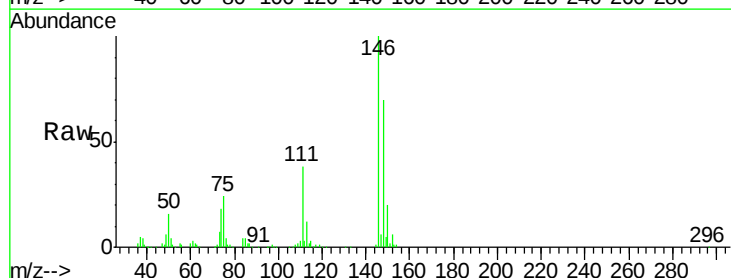
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

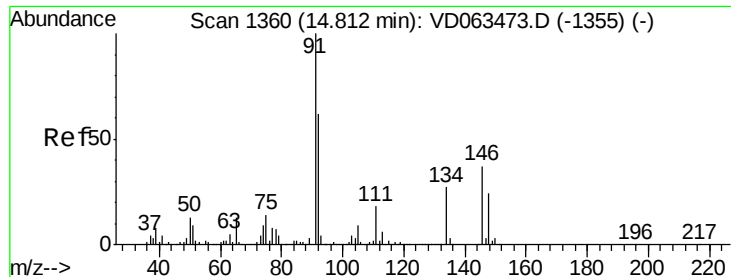
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	57.8	33.6	100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.303 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	69.8	32.1	96.3





#89

n-Butylbenzene

Concen: 20.269 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

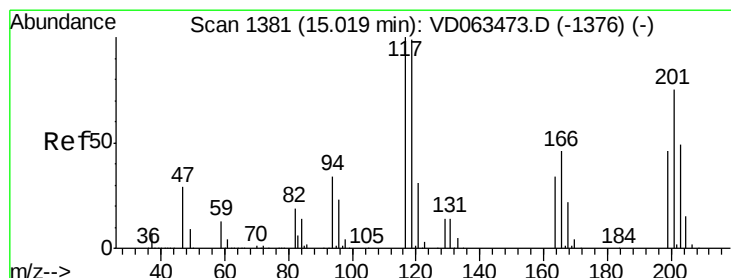
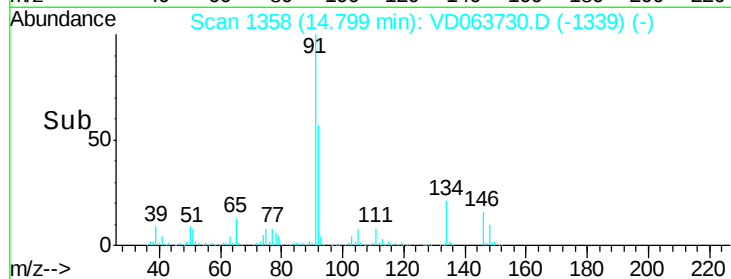
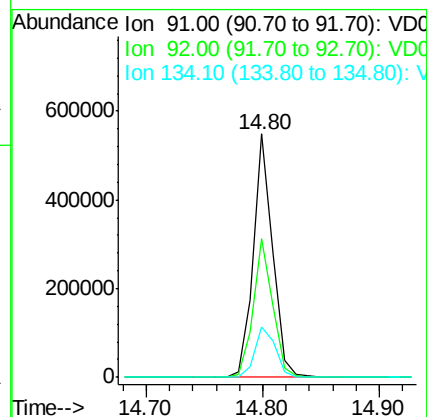
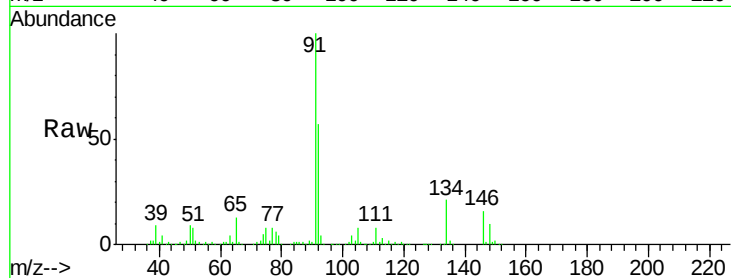
Tot Ion: 91 Resp: 628645

Ion Ratio Lower Upper

91 100

92 56.9 30.8 92.3

134 20.5 13.4 40.2



#90

Hexachloroethane

Concen: 22.497 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063730.D

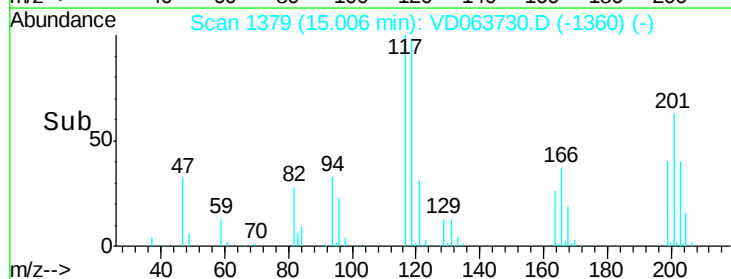
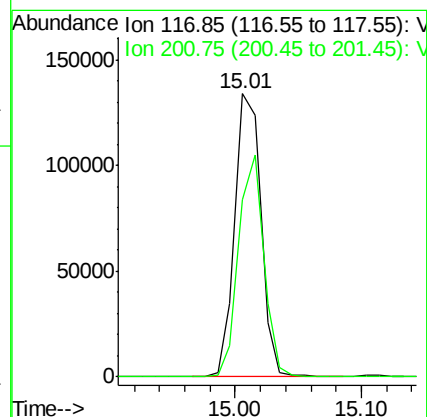
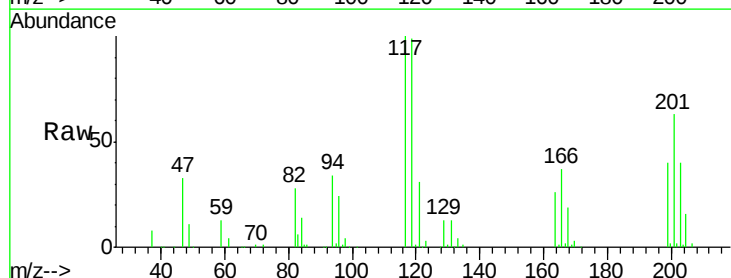
Acq: 22 Aug 2019 13:43

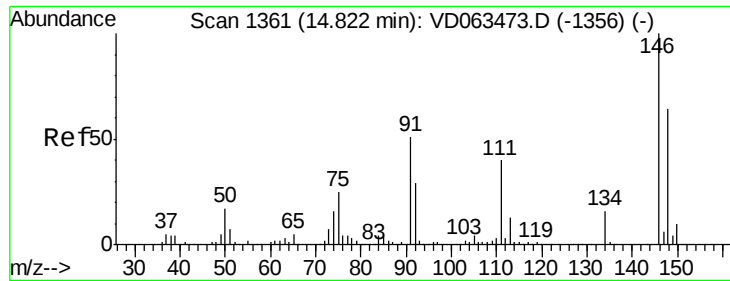
Tgt Ion: 117 Resp: 192158

Ion Ratio Lower Upper

117 100

201 62.7 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 22.187 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

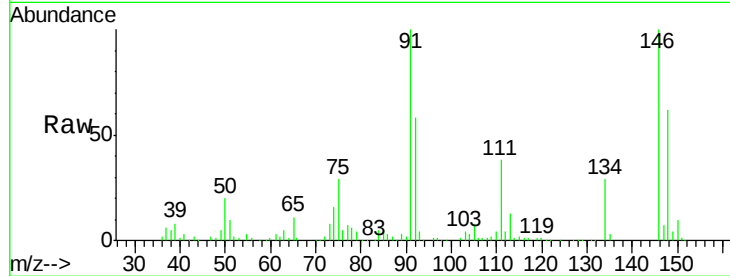
Tot Ion:146 Resp: 338493

Ion Ratio Lower Upper

146 100

111 38.2 20.2 60.6

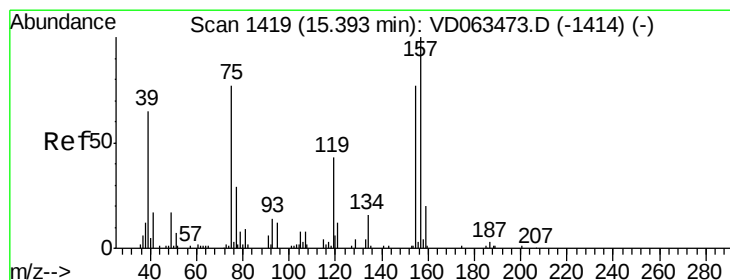
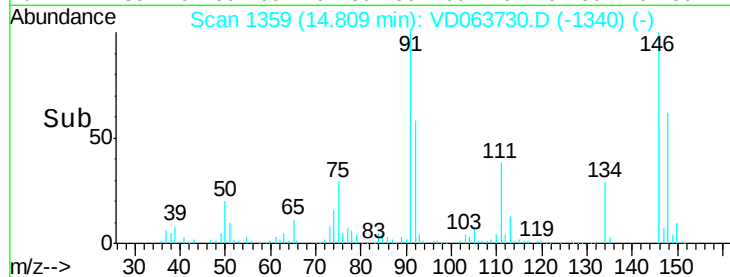
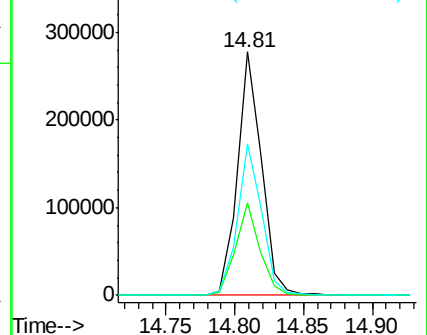
148 62.2 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.095 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD063730.D

Acq: 22 Aug 2019 13:43

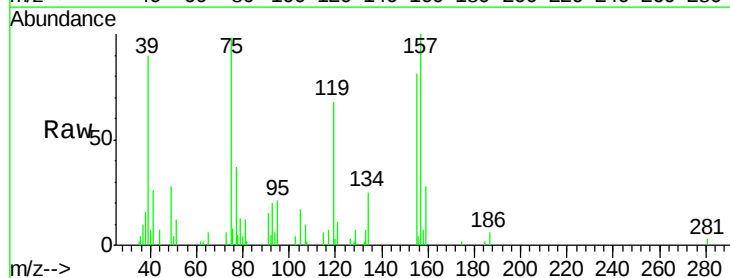
Tgt Ion: 75 Resp: 22844

Ion Ratio Lower Upper

75 100

155 82.5 50.1 150.3

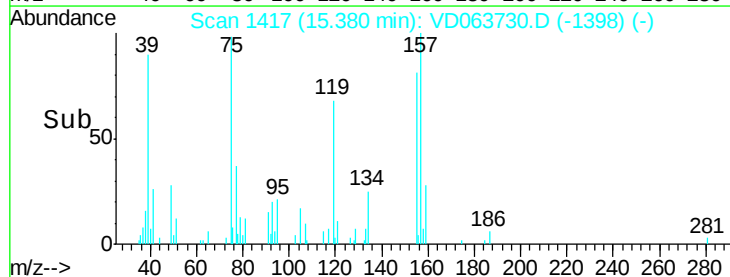
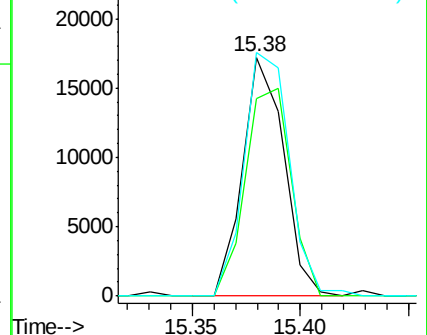
157 102.0 65.0 195.1

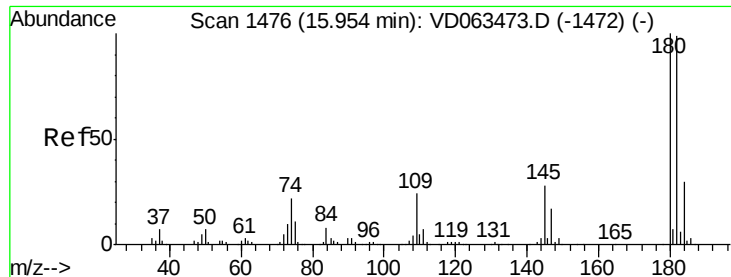


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

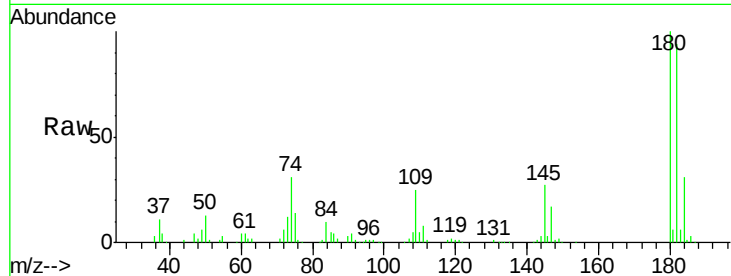




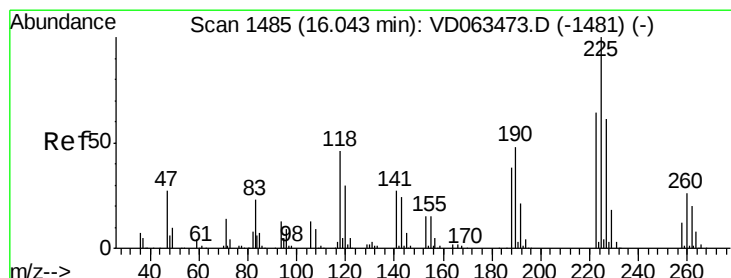
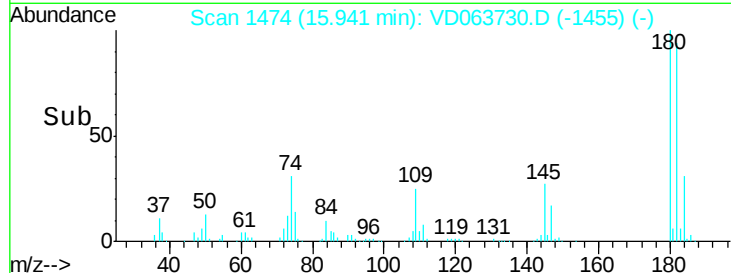
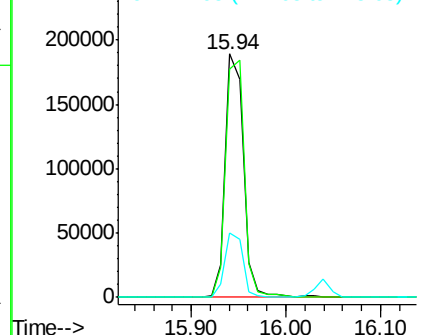
#93
 1,2,4-Trichlorobenzene
 Concen: 22.392 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	49.7	149.1
145	26.6	14.1	42.2

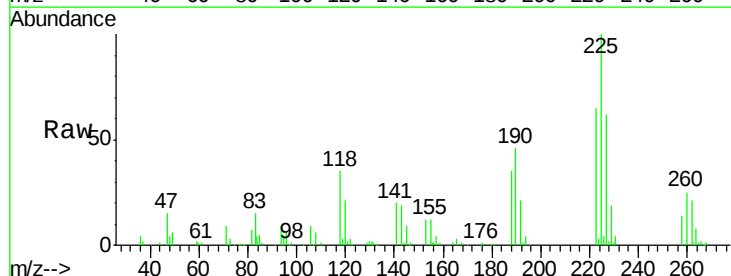


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

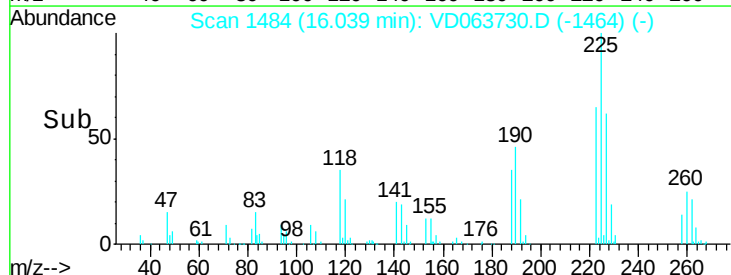
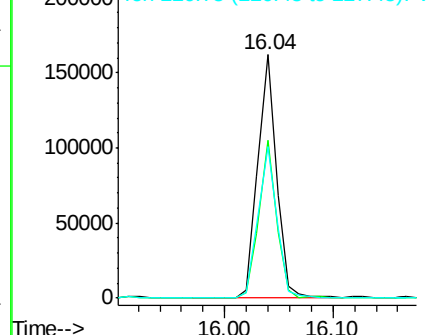


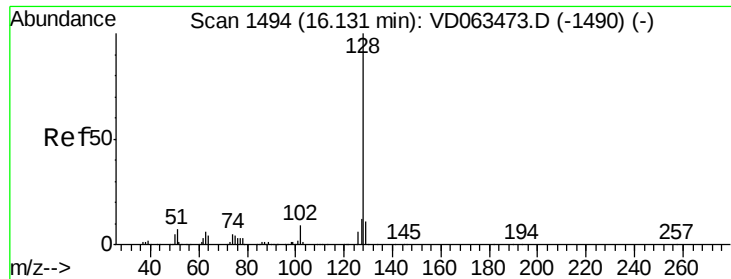
#94
 Hexachlorobutadiene
 Concen: 22.957 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063730.D
 Acq: 22 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.5
227	62.1	30.7	92.1



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

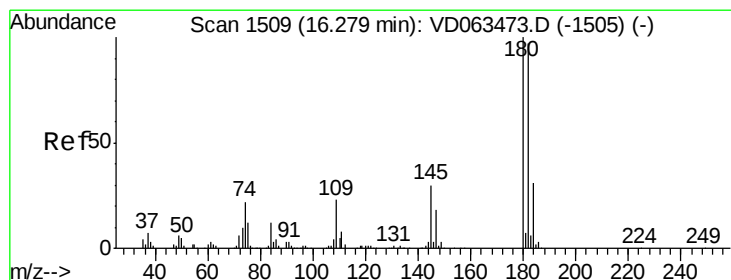
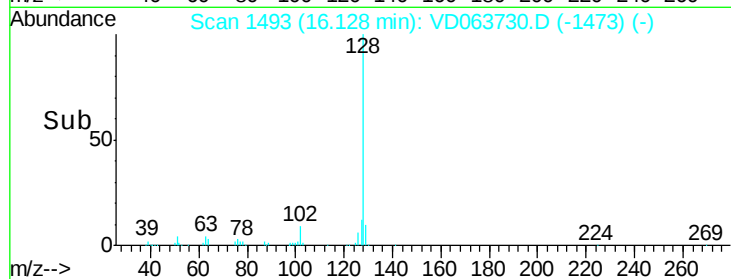
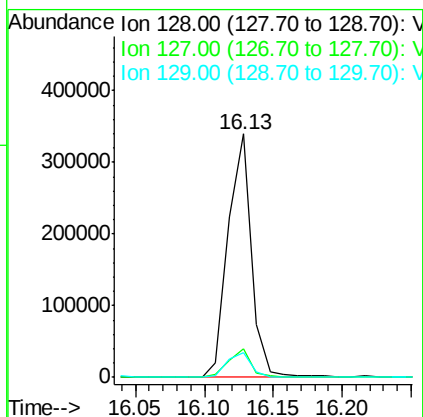
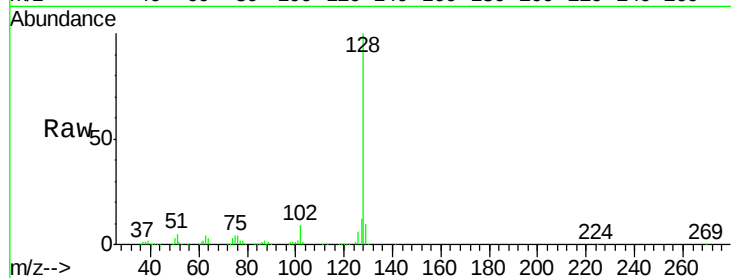




#95
Naphthalene
Concen: 23.471 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

Tot Ion:128 Resp: 399311
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.0
129 10.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.401 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063730.D
Acq: 22 Aug 2019 13:43

Tgt Ion:180 Resp: 203116
Ion Ratio Lower Upper
180 100
182 101.1 48.4 145.2
145 23.0 14.9 44.9

