

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063698.D
 Acq On : 20 Aug 2019 22:19
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 03:53:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	914437	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1241797	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1054632	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	543663	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	550651	56.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	6.91	113	591641	56.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	10.40	98	1238636	53.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	13.55	95	557153	53.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	503575	45.518	ug/l	98
3) Chloromethane	1.74	50	412300	47.700	ug/l	97
4) Vinyl Chloride	1.83	62	424247	49.442	ug/l	97
5) Bromomethane	2.14	94	200157	49.436	ug/l	94
6) Chloroethane	2.26	64	179728	45.803	ug/l	99
7) Trichlorofluoromethane	2.51	101	789893	46.931	ug/l	99
8) Diethyl Ether	2.86	74	132252	55.653	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.13	101	459134	46.198	ug/l	90
10) Methyl Iodide	3.29	142	690631	49.114	ug/l	93
11) Tert butyl alcohol	4.07	59	122240	287.279	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	358004	48.451	ug/l	95
13) Acrolein	3.03	56	89828	214.471	ug/l	86
14) Allyl chloride	3.61	41	569174	51.241	ug/l	99
15) Acrylonitrile	4.18	53	306617	272.047	ug/l	95
16) Acetone	3.21	43	463883	233.460	ug/l #	92
17) Carbon Disulfide	3.36	76	1036471	44.446	ug/l	100
18) Methyl Acetate	3.63	43	198057	52.624	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	860649	58.242	ug/l	98
20) Methylene Chloride	3.80	84	402988	46.903	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	398363	51.232	ug/l	91
22) Diisopropyl ether	5.11	45	1247344	54.418	ug/l	98
23) Vinyl Acetate	5.04	43	3840739	288.226	ug/l	100
24) 1,1-Dichloroethane	4.96	63	757892	53.311	ug/l	98
25) 2-Butanone	6.06	43	524575	267.310	ug/l	99
26) 2,2-Dichloropropane	6.01	77	670231	47.332	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	449701	52.861	ug/l	92
28) Bromochloromethane	6.42	49	305963	53.102	ug/l	94
29) Tetrahydrofuran	6.45	42	254773	278.611	ug/l	98
30) Chloroform	6.66	83	935258	52.926	ug/l	97
31) Cyclohexane	6.94	56	414594	46.976	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	896502	53.036	ug/l	97
36) 1,1-Dichloropropene	7.13	75	548912	50.002	ug/l	96
37) Ethyl Acetate	6.18	43	271531	59.028	ug/l	98
38) Carbon Tetrachloride	7.09	117	924136	55.857	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	493655	52.883	ug/l	98
40) Benzene	7.45	78	1291229	53.449	ug/l	95
41) Methacrylonitrile	6.44	41	339033	58.536	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	688864	56.709	ug/l	99
43) Isopropyl Acetate	9.23	43	357428	58.016	ug/l #	96
44) Trichloroethene	8.53	130	501542	54.316	ug/l	95
45) 1,2-Dichloropropane	8.93	63	335414	59.620	ug/l	99
46) Dibromomethane	9.05	93	273312	56.888	ug/l	97
47) Bromodichloromethane	9.37	83	720331	58.451	ug/l	95
48) Methyl methacrylate	9.11	41	240852	57.645	ug/l	98
49) 1,4-Dioxane	9.07	88	40594	1085.825	ug/l #	71
51) 4-Methyl-2-Pentanone	10.29	43	1227578	291.190	ug/l	97
52) Toluene	10.50	92	828297	53.232	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	577960	57.466	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	635611	56.048	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	286686	54.543	ug/l	95
56) Ethyl methacrylate	11.03	69	341380	59.839	ug/l	91
57) 1,3-Dichloropropane	11.40	76	455591	57.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	958235	318.154	ug/l	100
59) 2-Hexanone	11.52	43	924713	301.457	ug/l	97
60) Dibromochloromethane	11.68	129	577417	60.372	ug/l	99
61) 1,2-Dibromoethane	11.80	107	361754	56.853	ug/l	98
64) Tetrachloroethene	11.26	164	407499	50.052	ug/l	96
65) Chlorobenzene	12.40	112	1032462	52.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	479994	55.178	ug/l	97
67) Ethyl Benzene	12.52	91	1809721	52.656	ug/l	100
68) m/p-Xylenes	12.66	106	1289415	106.785	ug/l	99
69) o-Xylene	13.05	106	638609	54.950	ug/l	97
70) Styrene	13.07	104	1094766	52.958	ug/l	99
71) Bromoform	13.22	173	349989	58.675	ug/l #	98
73) Isopropylbenzene	13.40	105	1829943	52.919	ug/l	99
74) N-amyl acetate	13.26	43	508489	58.577	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	347754	60.588	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	360636	57.799	ug/l	99
77) Bromobenzene	13.67	156	541430	57.289	ug/l	87
78) n-propylbenzene	13.77	91	2191059	54.154	ug/l	93
79) 2-Chlorotoluene	13.83	91	1253540	53.735	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1594215	52.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	93812	55.940	ug/l	93
82) 4-Chlorotoluene	13.94	91	1543741	55.031	ug/l	97
83) tert-Butylbenzene	14.19	119	1747167	54.914	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1645764	58.870	ug/l	89
85) sec-Butylbenzene	14.37	105	1955553	57.877	ug/l	98
86) p-Isopropyltoluene	14.48	119	1519234	47.026	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	958951	56.096	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	891203	54.338	ug/l	99
89) n-Butylbenzene	14.79	91	1635889	55.481	ug/l	93
90) Hexachloroethane	15.01	117	489260	60.253	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	836405	57.669	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	63631	58.878	ug/l	62

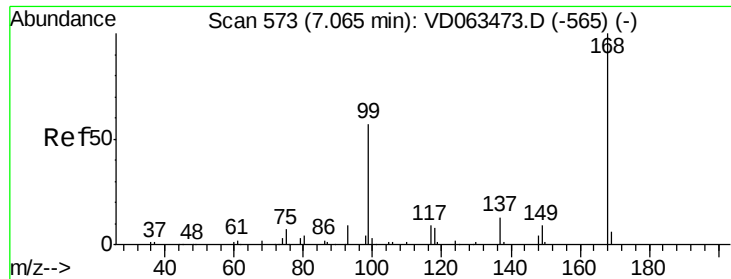
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	608656	57.032	ug/l	98
94) Hexachlorobutadiene	16.03	225	449975	55.323	ug/l	98
95) Naphthalene	16.12	128	912392	56.412	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	520666	60.404	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

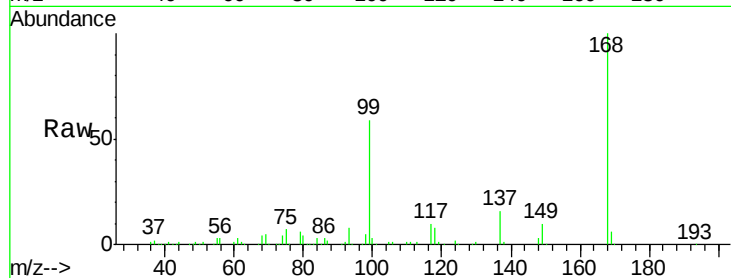
VSTDCCC050

Tot Ion:168 Resp: 914437

Ion Ratio Lower Upper

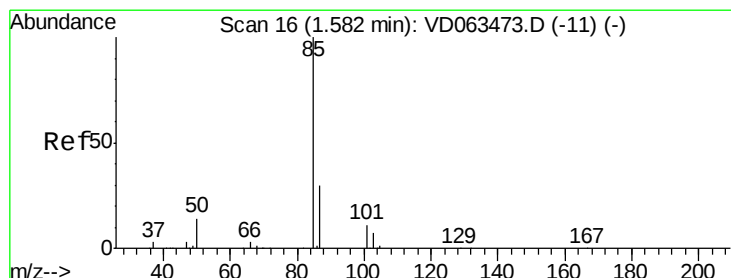
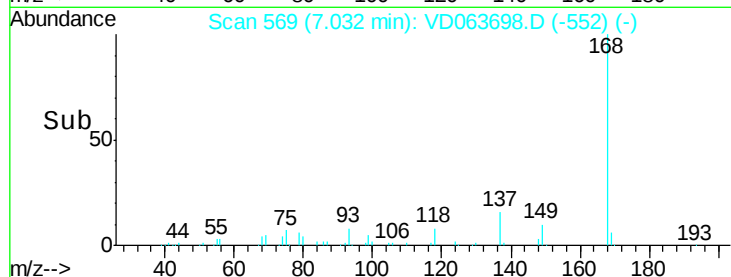
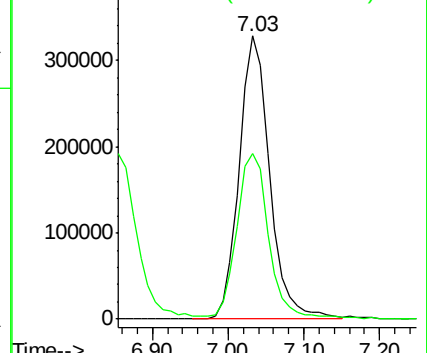
168 100

99 58.6 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: 45.518 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063698.D

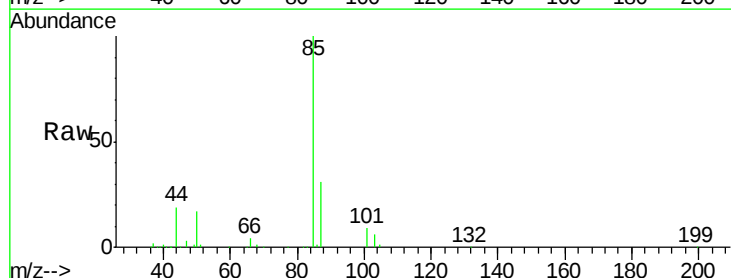
Acq: 20 Aug 2019 22:19

Tgt Ion: 85 Resp: 503575

Ion Ratio Lower Upper

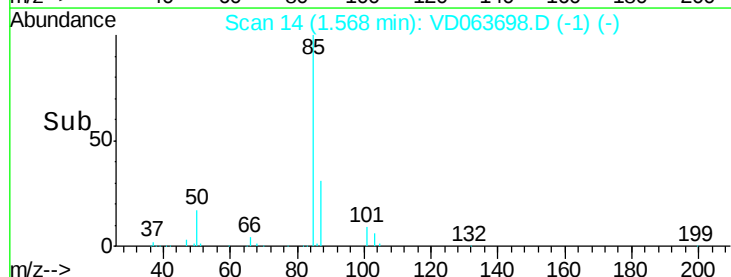
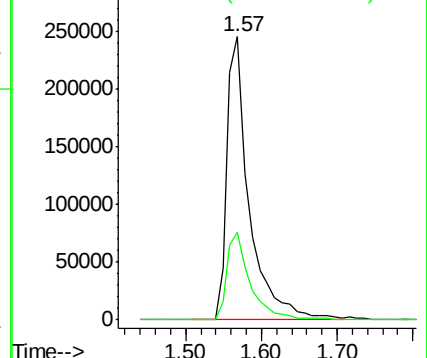
85 100

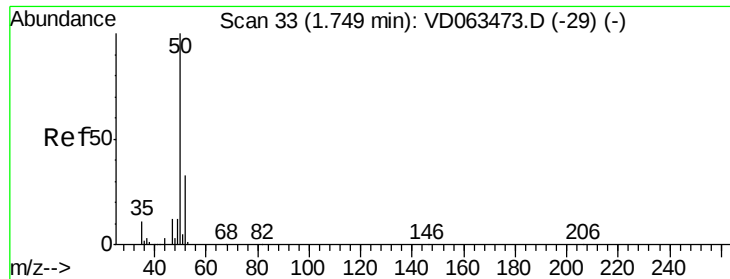
87 31.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.700 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

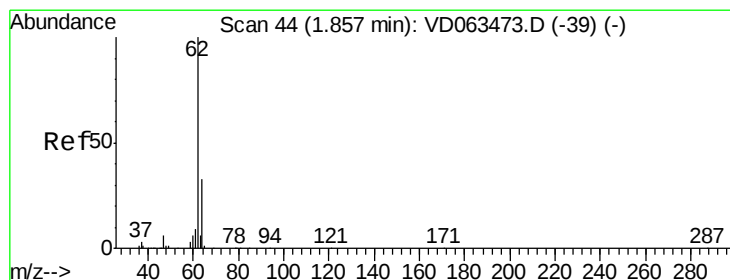
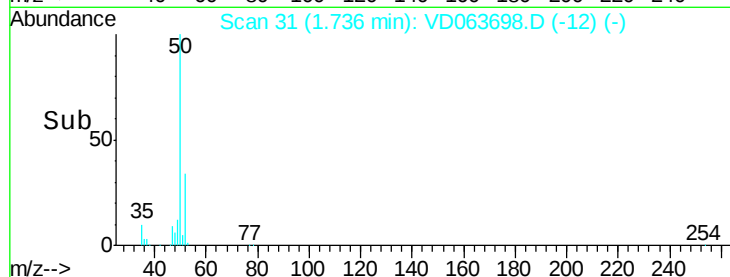
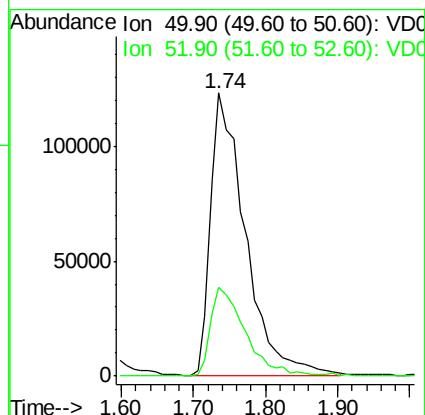
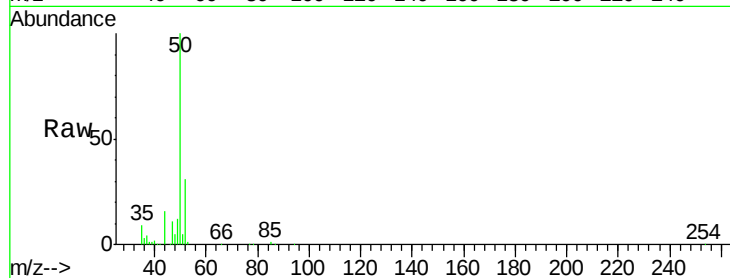
VSTDCCC050

Tot Ion: 50 Resp: 412300

Ion Ratio Lower Upper

50 100

52 31.4 26.6 40.0



#4

Vinyl Chloride

Concen: 49.442 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD063698.D

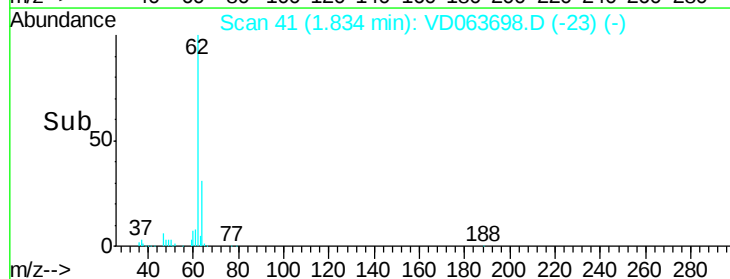
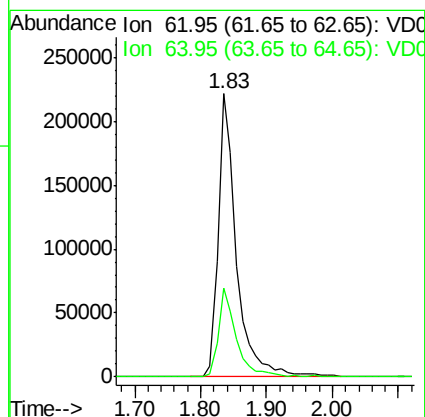
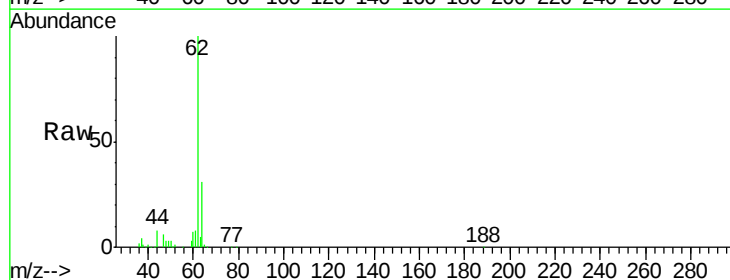
Acq: 20 Aug 2019 22:19

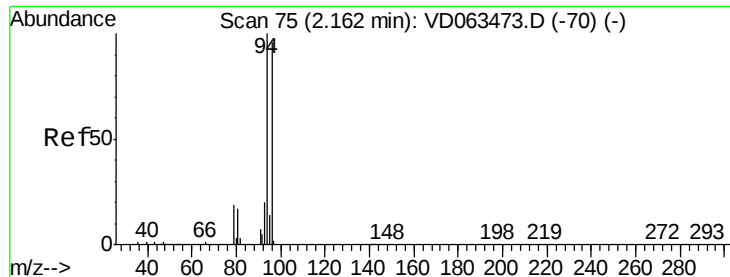
Tgt Ion: 62 Resp: 424247

Ion Ratio Lower Upper

62 100

64 31.4 26.4 39.6





#5

Bromomethane

Concen: 49.436 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

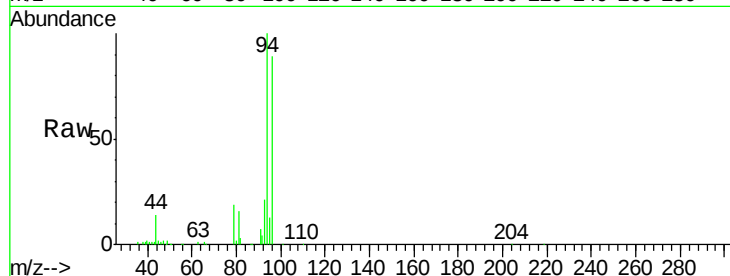
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 200157

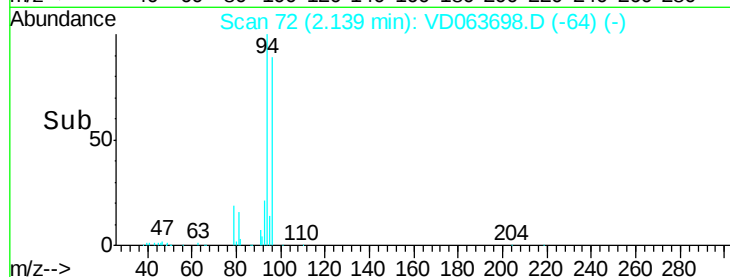
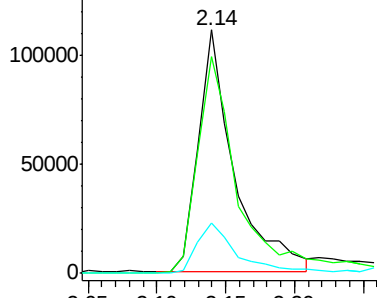
Ion	Ratio	Lower	Upper
94	100		
96	88.9	76.5	114.7
93	20.7	15.8	23.8



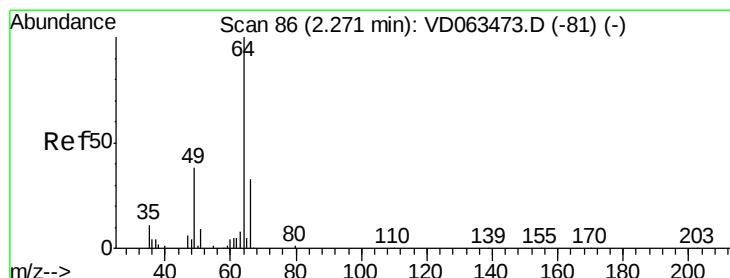
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 45.803 ug/l

RT: 2.26 min Scan# 84

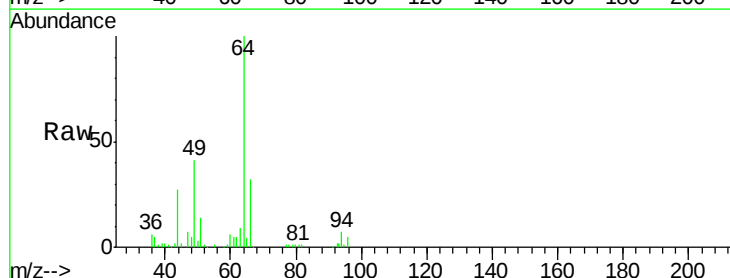
Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

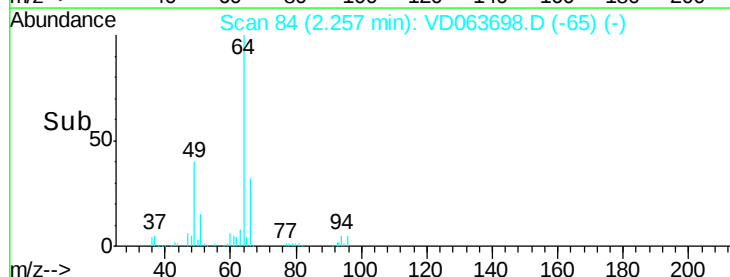
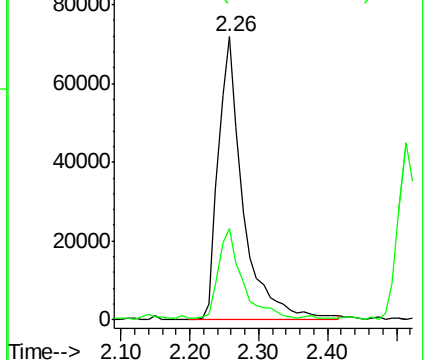
Tgt Ion: 64 Resp: 179728

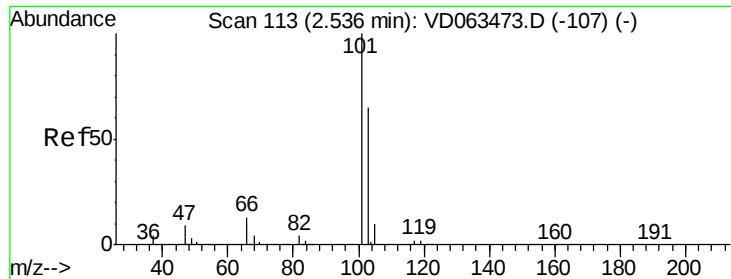
Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



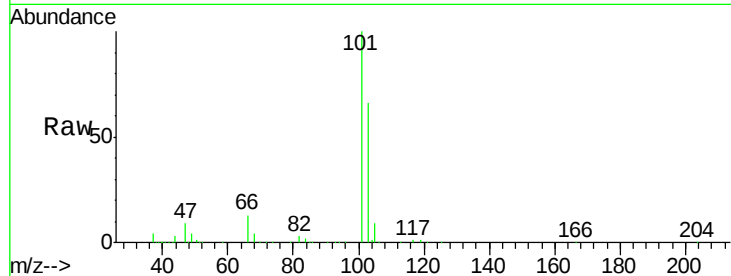


#7

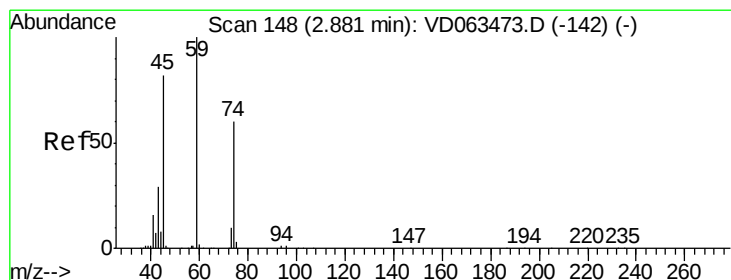
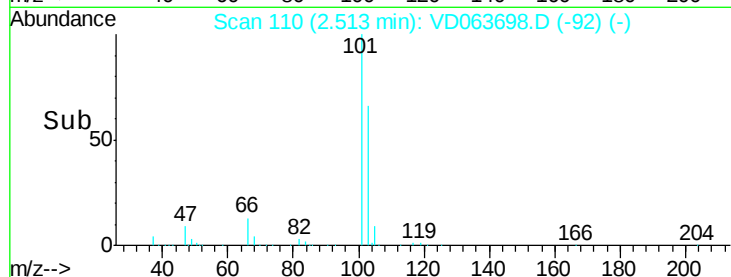
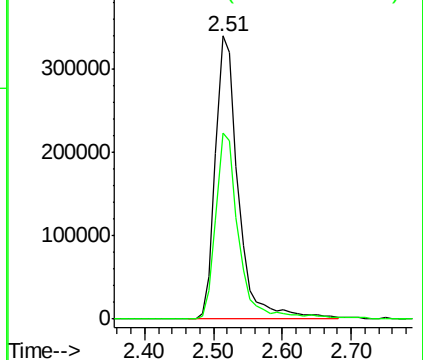
Trichlorofluoromethane
 Concen: 46.931 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.02 min
 Lab File: VD063698.D
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Tot Ion:101 Resp: 789893
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.2 78.4



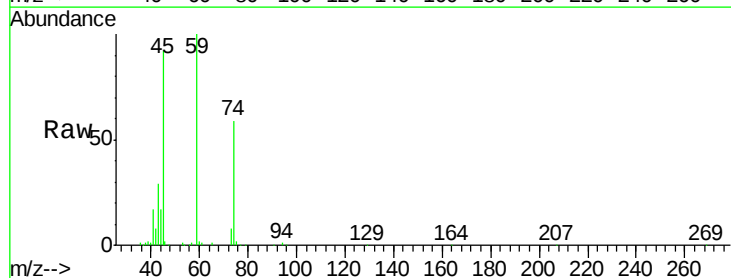
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



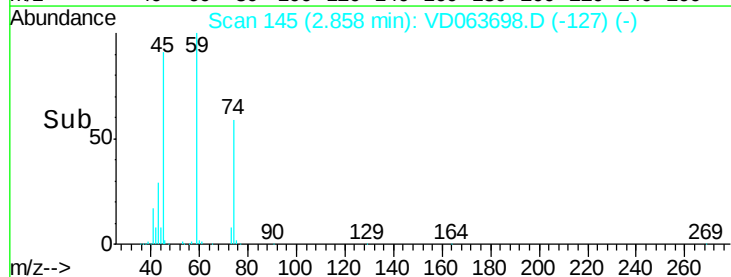
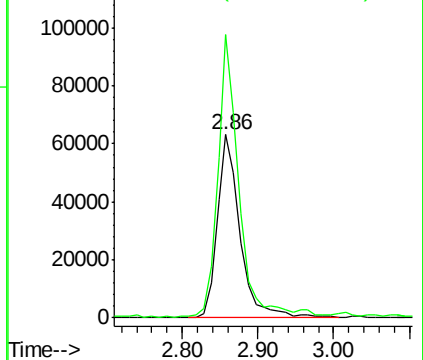
#8

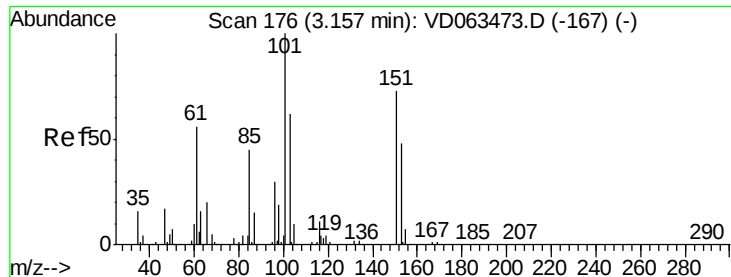
Diethyl Ether
 Concen: 55.653 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 74 Resp: 132252
 Ion Ratio Lower Upper
 74 100
 45 154.6 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: 46.198 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

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VSTDCCC050

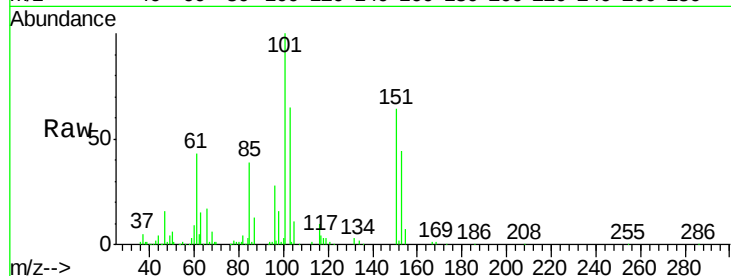
Tot Ion:101 Resp: 459134

Ion Ratio Lower Upper

101 100

85 39.4 35.8 53.6

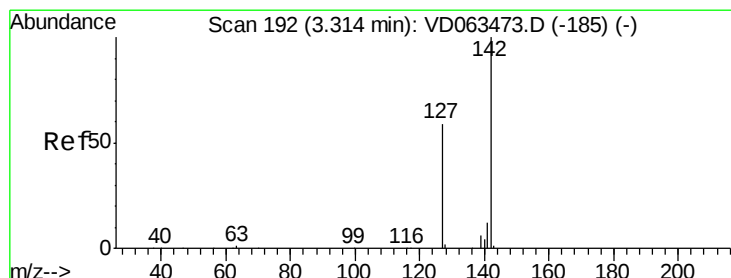
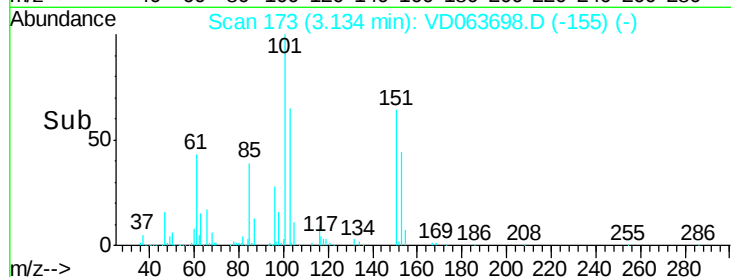
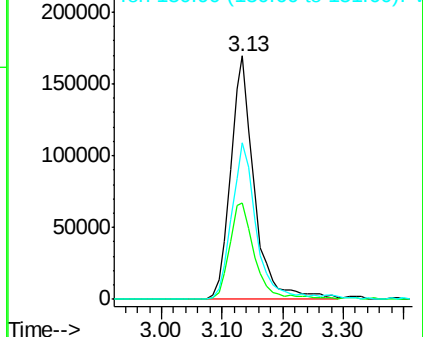
151 64.1 58.6 88.0



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: 49.114 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

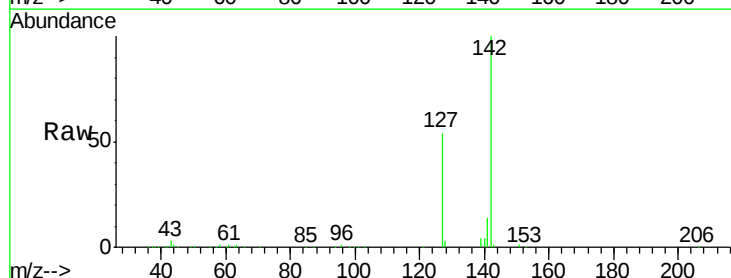
Tgt Ion:142 Resp: 690631

Ion Ratio Lower Upper

142 100

127 53.6 47.2 70.8

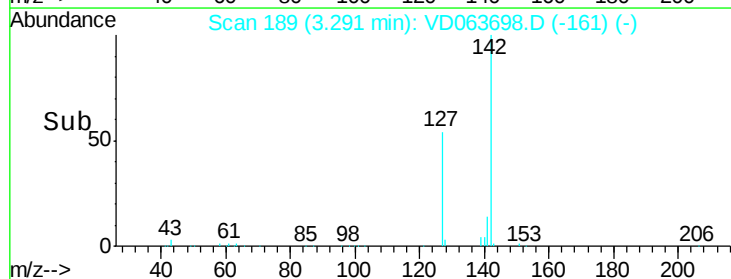
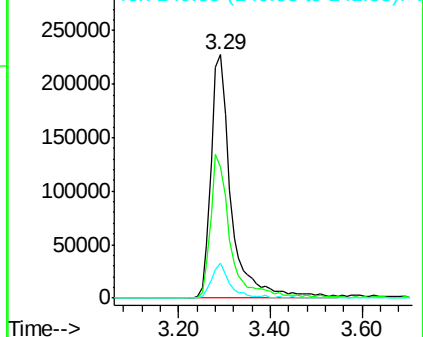
141 14.3 9.8 14.8

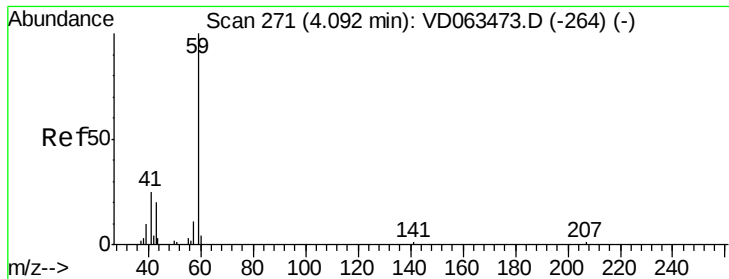


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



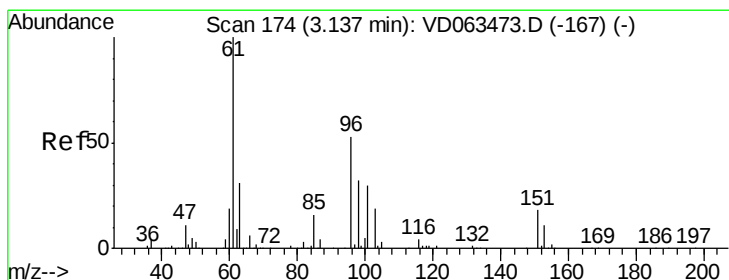
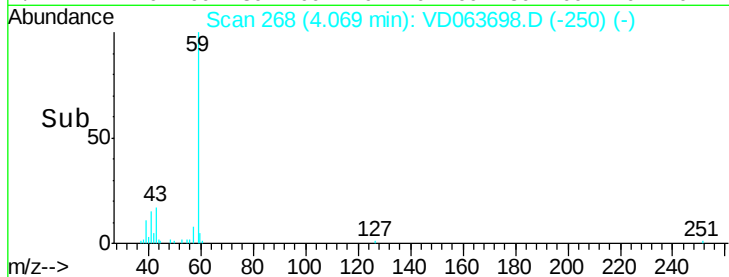
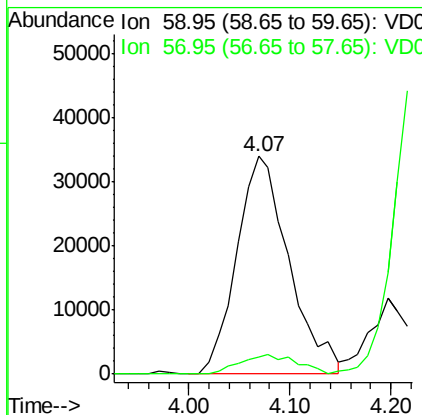
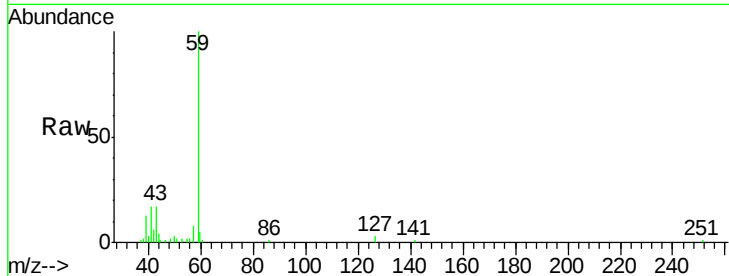


#11

Tert butyl alcohol
Concen: 287.279 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

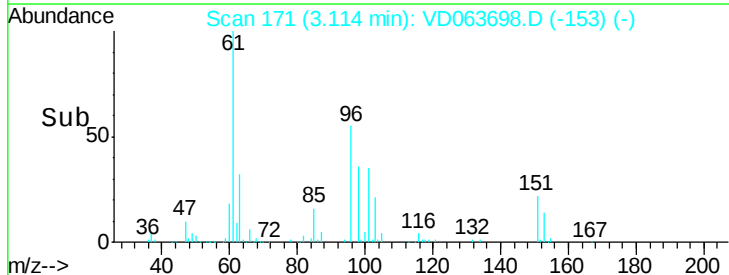
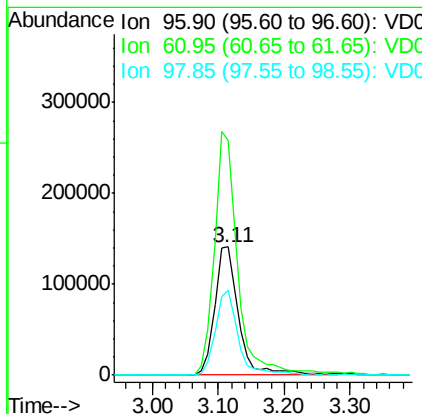
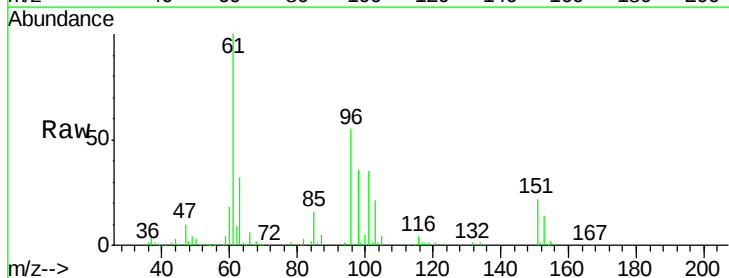
Tot Ion: 59 Resp: 122240
Ion Ratio Lower Upper
59 100
57 8.0 8.7 13.1#

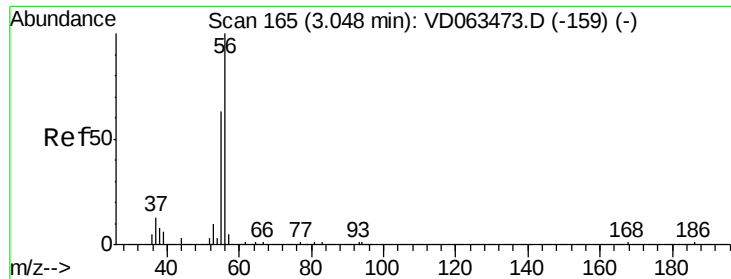


#12

1,1-Dichloroethene
Concen: 48.451 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 96 Resp: 358004
Ion Ratio Lower Upper
96 100
61 182.6 151.7 227.5
98 66.2 48.4 72.6





#13

Acrolein

Concen: 214.471 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

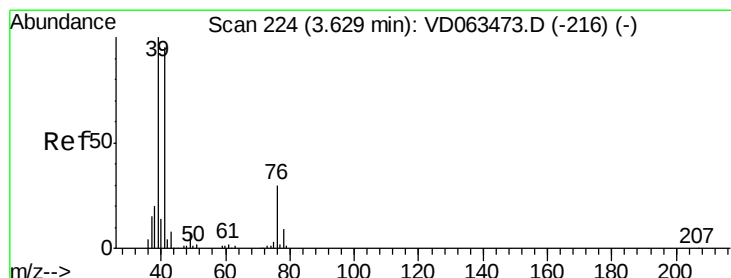
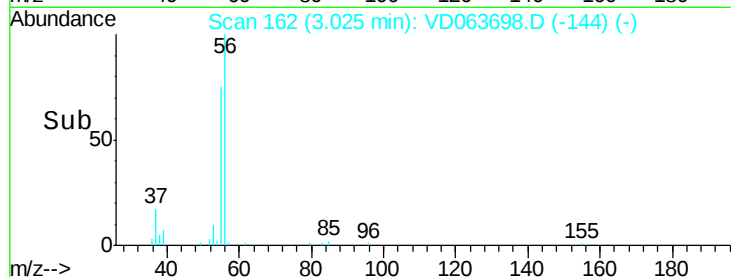
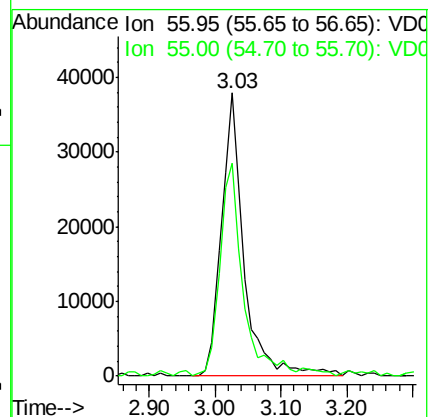
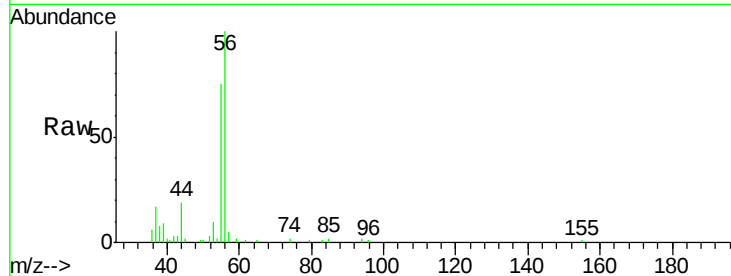
VSTDCCC050

Tot Ion: 56 Resp: 89828

Ion Ratio Lower Upper

56 100

55 75.3 51.3 76.9



#14

Allyl chloride

Concen: 51.241 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

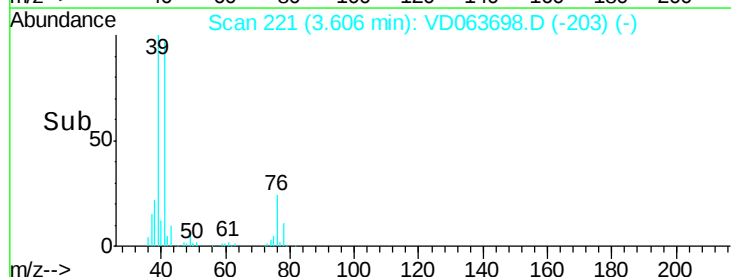
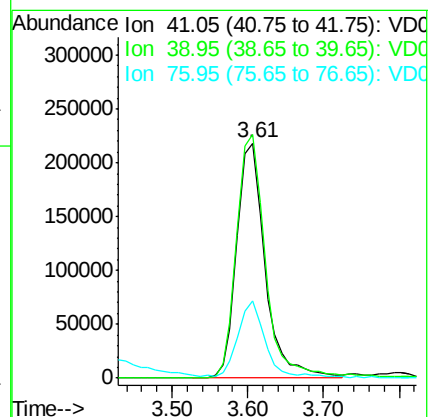
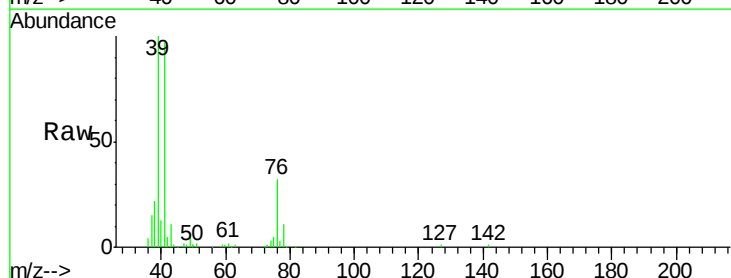
Tgt Ion: 41 Resp: 569174

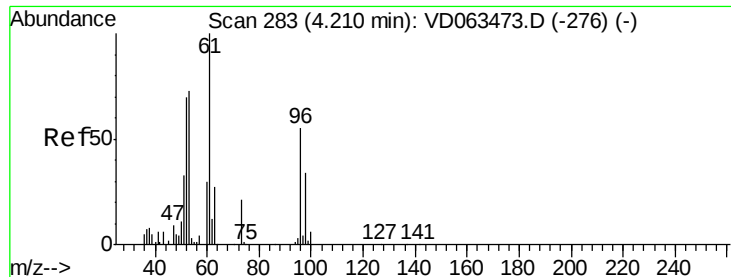
Ion Ratio Lower Upper

41 100

39 103.5 84.2 126.4

76 32.9 26.0 39.0





#15

Acrylonitrile

Concen: 272.047 ug/l

RT: 4.18 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

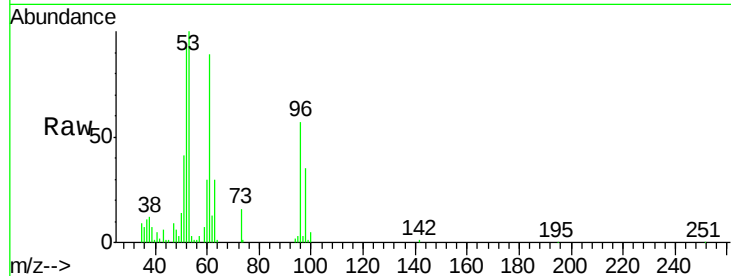
Tot Ion: 53 Resp: 306617

Ion Ratio Lower Upper

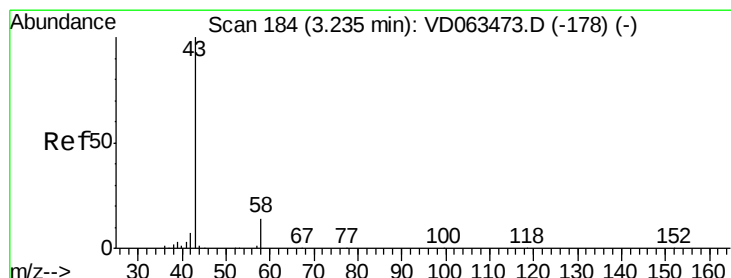
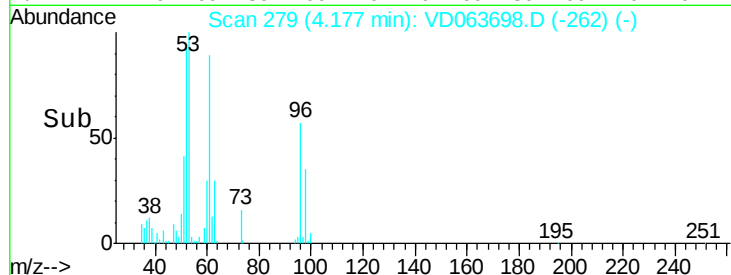
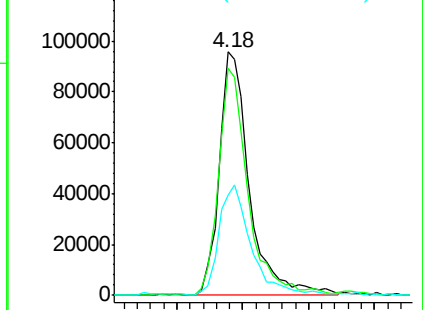
53 100

52 93.3 77.4 116.0

51 41.2 36.7 55.1



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



#16

Acetone

Concen: 233.460 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063698.D

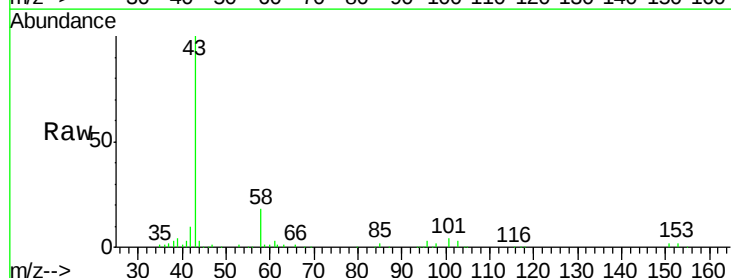
Acq: 20 Aug 2019 22:19

Tgt Ion: 43 Resp: 463883

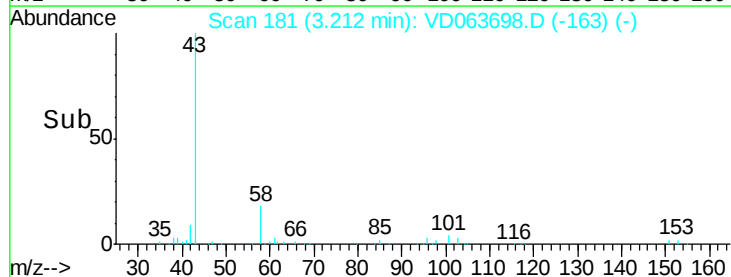
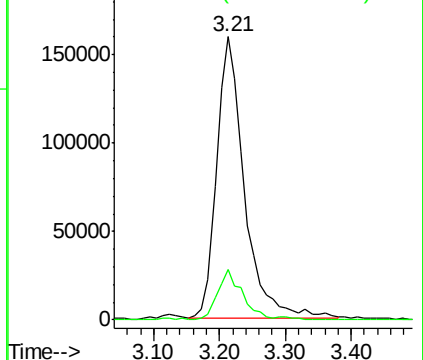
Ion Ratio Lower Upper

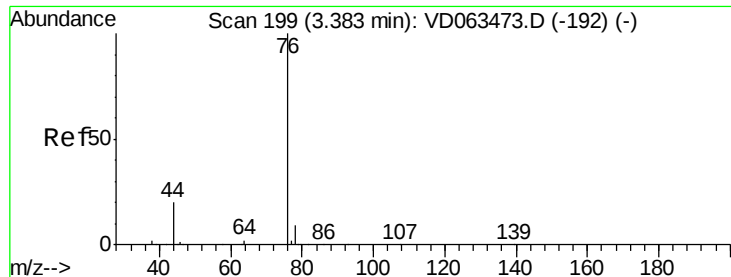
43 100

58 17.6 11.4 17.2#



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

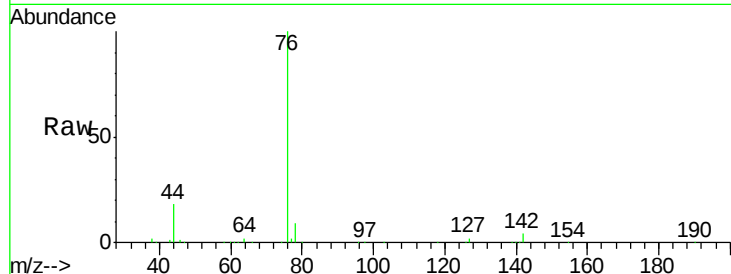




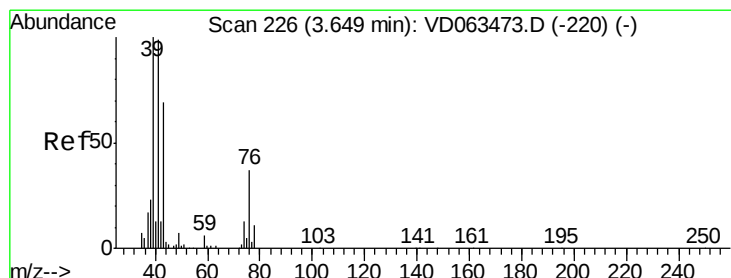
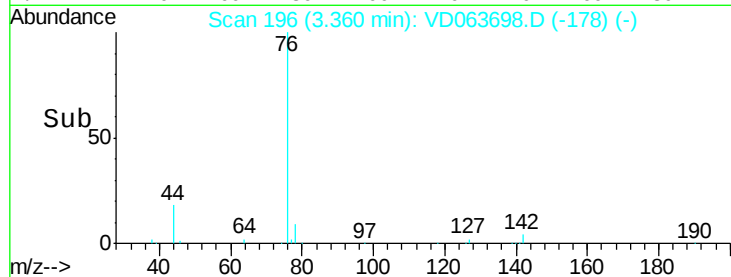
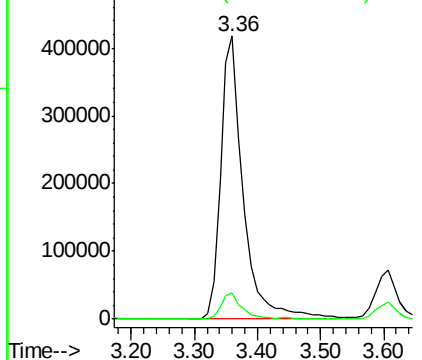
#17
Carbon Disulfide
Concen: 44.446 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1036471
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

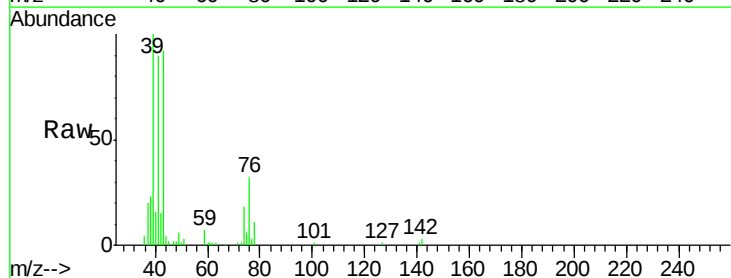


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

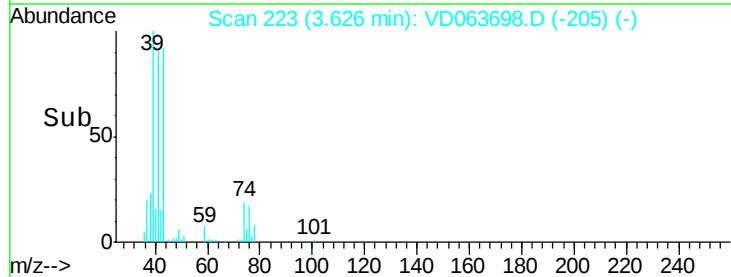
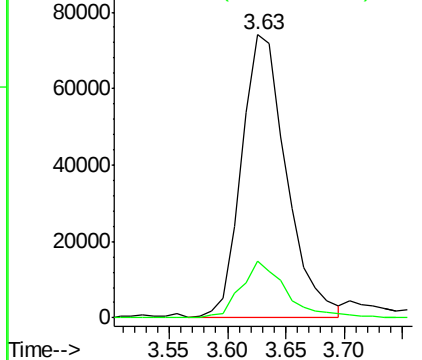


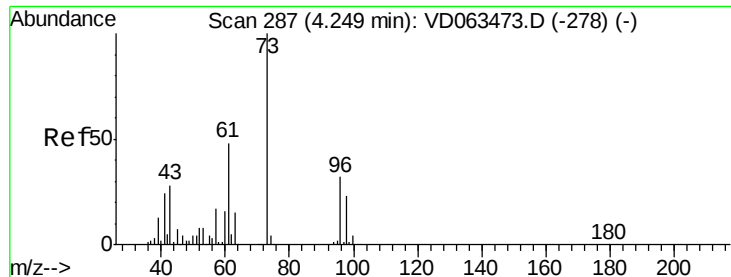
#18
Methyl Acetate
Concen: 52.624 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 43 Resp: 198057
Ion Ratio Lower Upper
43 100
74 20.1 15.4 23.2



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

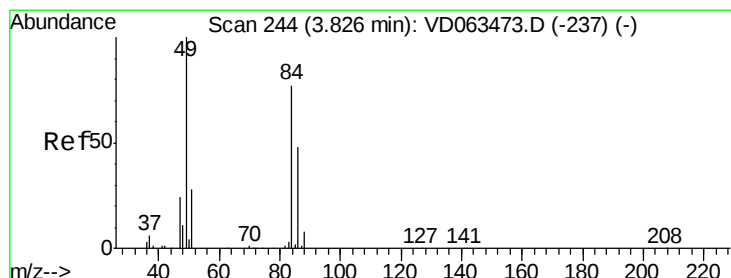
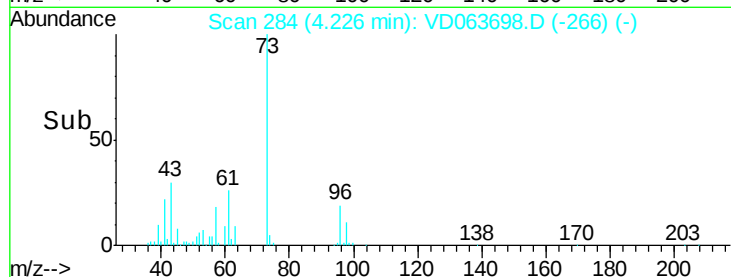
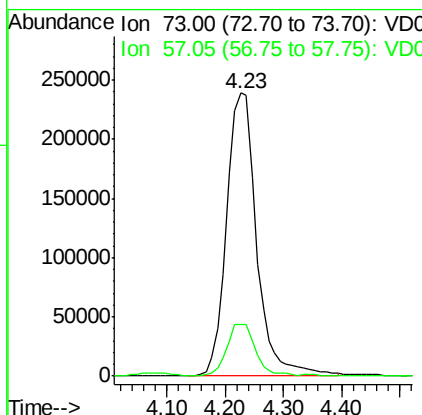
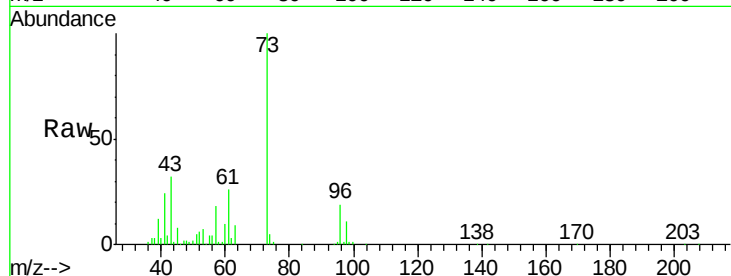




#19
Methyl tert-butyl Ether
Concen: 58.242 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

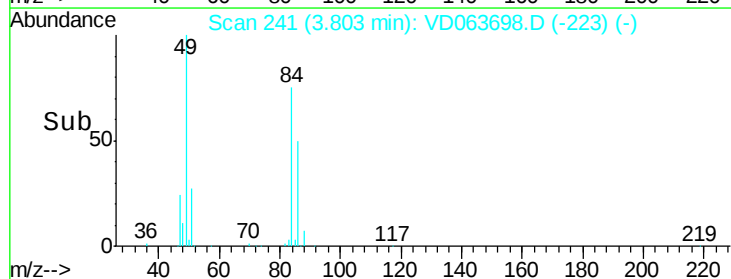
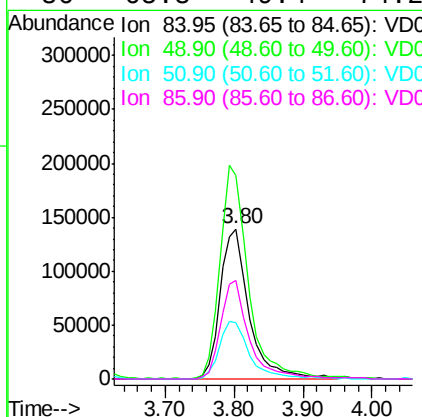
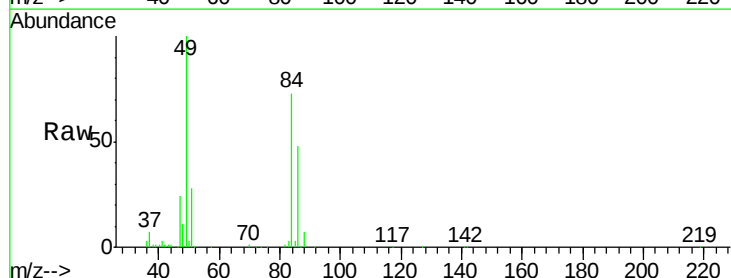
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

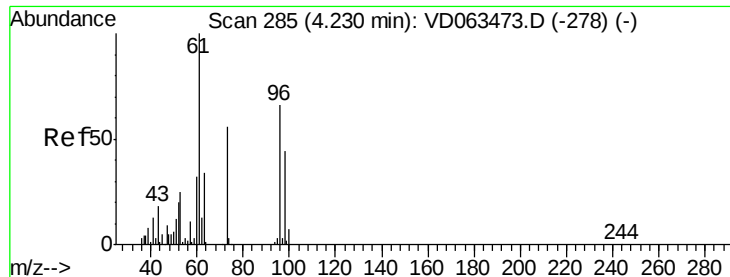
Tot Ion: 73 Resp: 860649
Ion Ratio Lower Upper
73 100
57 18.3 14.0 21.0



#20
Methylene Chloride
Concen: 46.903 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 84 Resp: 402988
Ion Ratio Lower Upper
84 100
49 136.2 103.4 155.2
51 37.6 28.5 42.7
86 65.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 51.232 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

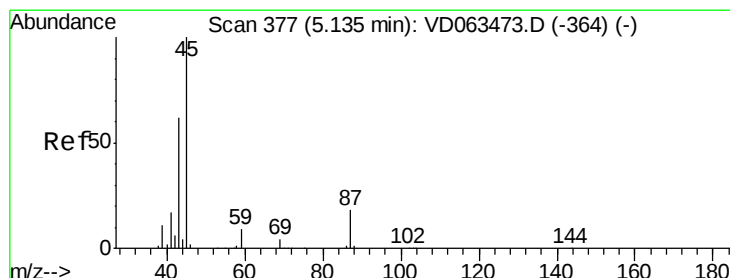
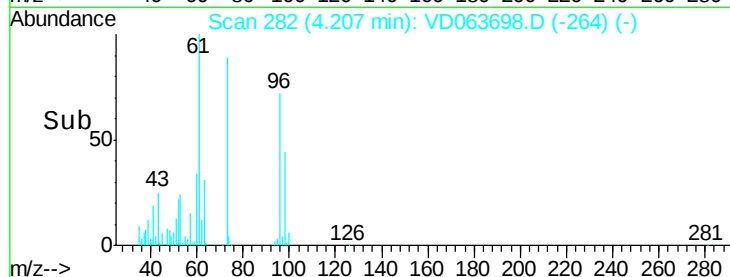
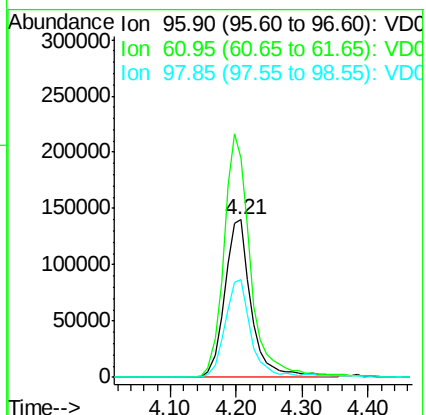
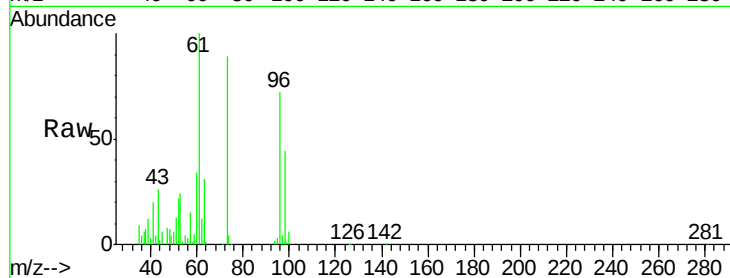
Tot Ion: 96 Resp: 398363

Ion Ratio Lower Upper

96 100

61 139.2 121.7 182.5

98 61.8 54.2 81.2



#22

Diisopropyl ether

Concen: 54.418 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Tgt Ion: 45 Resp: 1247344

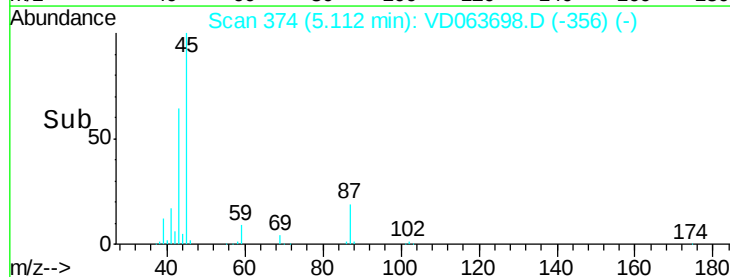
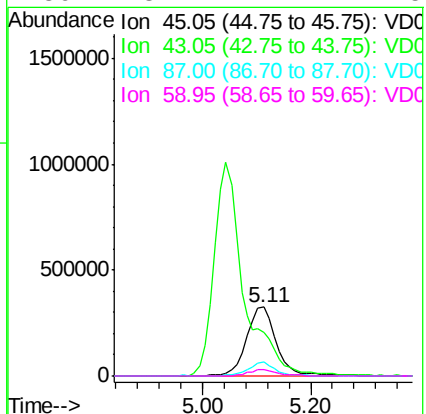
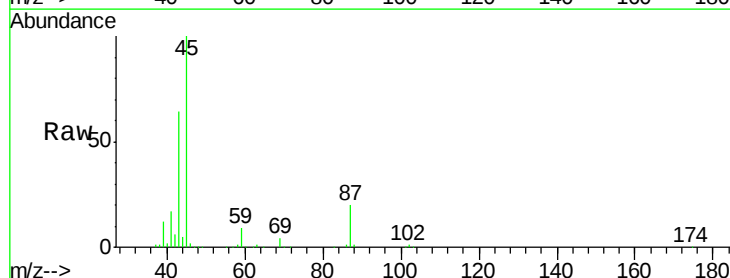
Ion Ratio Lower Upper

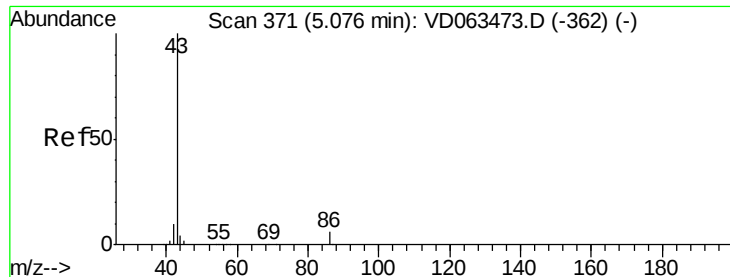
45 100

43 63.6 50.3 75.5

87 19.6 14.3 21.5

59 8.7 7.7 11.5





#23

Vinyl Acetate

Concen: 288.226 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

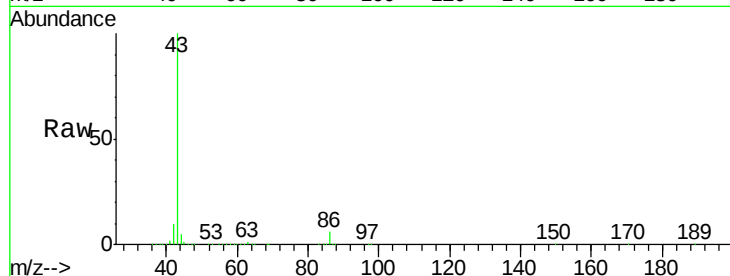
VSTDCCC050

Tot Ion: 43 Resp: 3840739

Ion Ratio Lower Upper

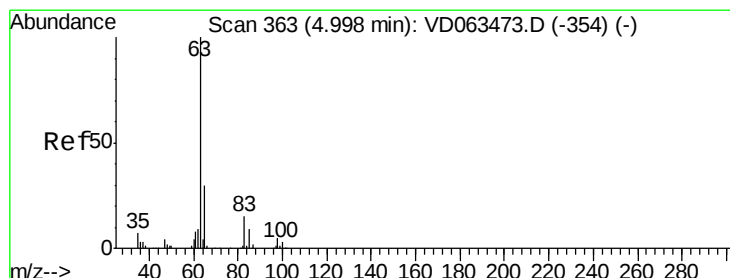
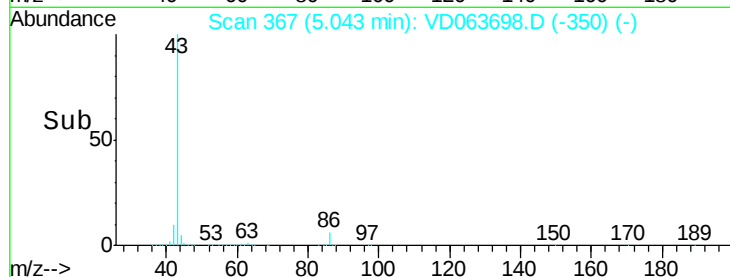
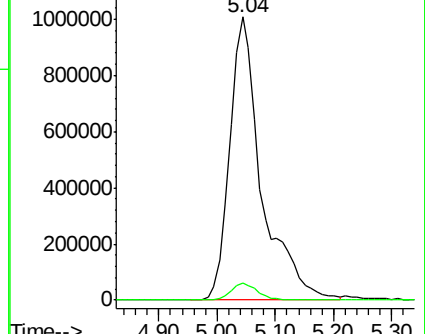
43 100

86 5.9 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: 53.311 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

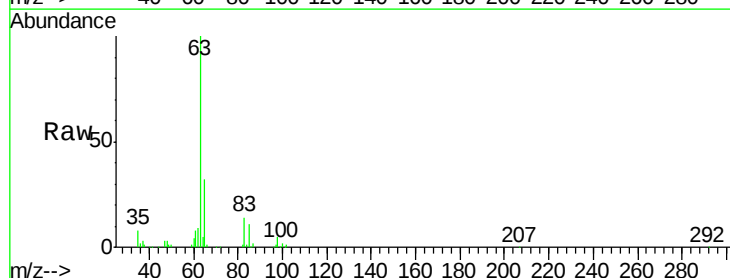
Tgt Ion: 63 Resp: 757892

Ion Ratio Lower Upper

63 100

98 5.7 2.4 7.2

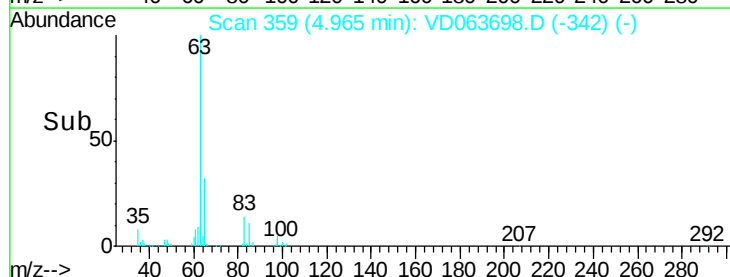
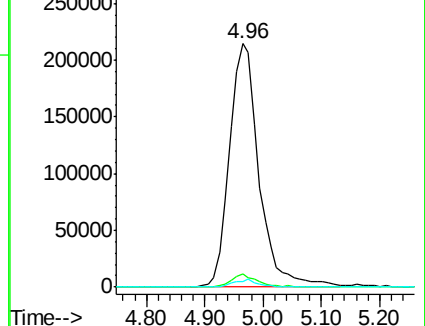
100 2.5 1.3 3.8

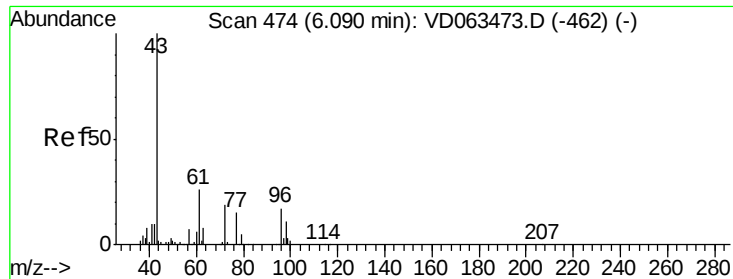


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

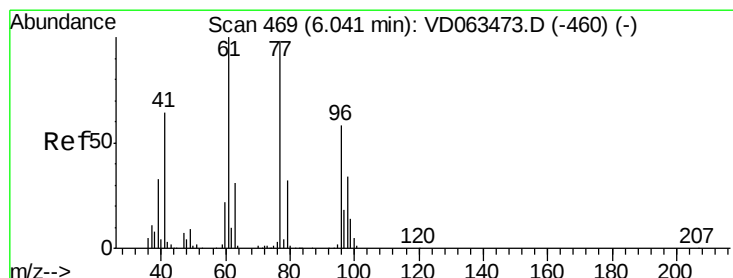
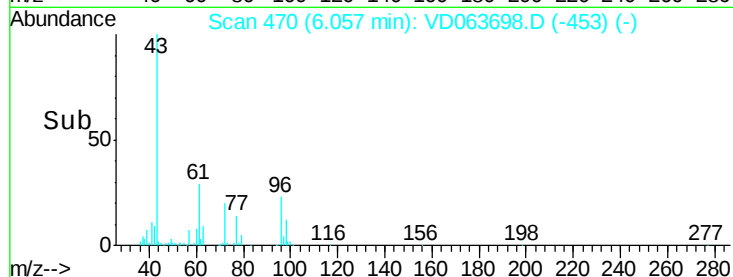
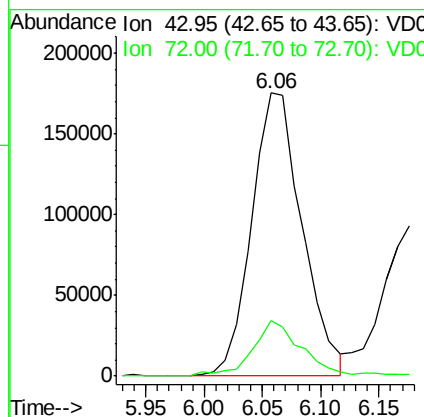
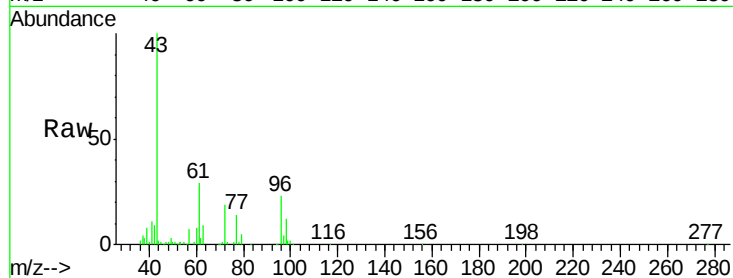




#25
2-Butanone
Concen: 267.310 ug/l
RT: 6.06 min Scan# 470
Delta R.T. -0.03 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

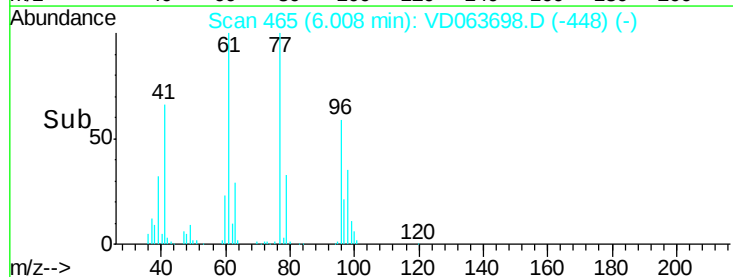
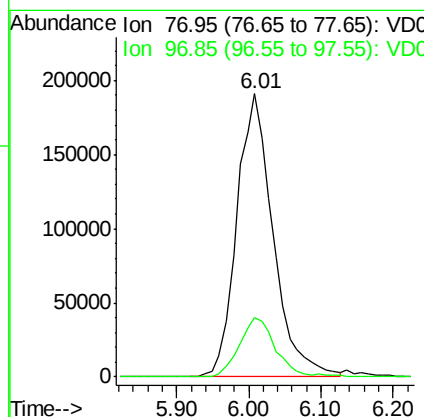
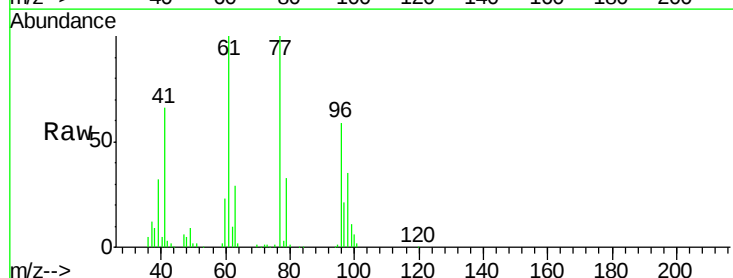
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

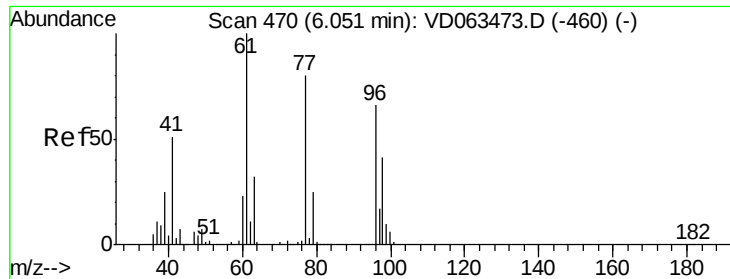
Tot Ion: 43 Resp: 524575
Ion Ratio Lower Upper
43 100
72 19.5 15.1 22.7



#26
2,2-Dichloropropane
Concen: 47.332 ug/l
RT: 6.01 min Scan# 465
Delta R.T. -0.03 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 77 Resp: 670231
Ion Ratio Lower Upper
77 100
97 20.8 9.0 27.1



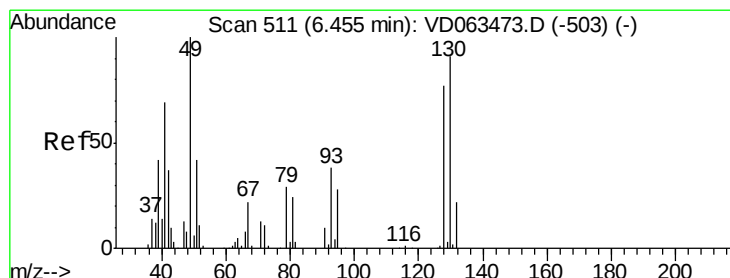
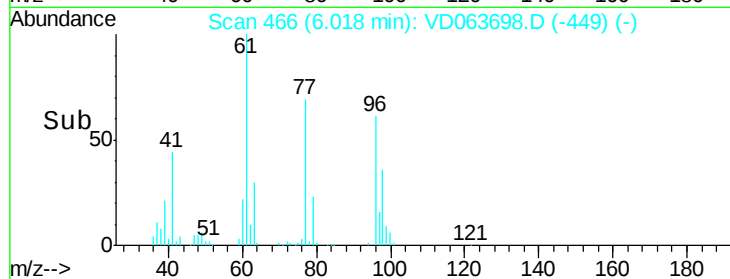
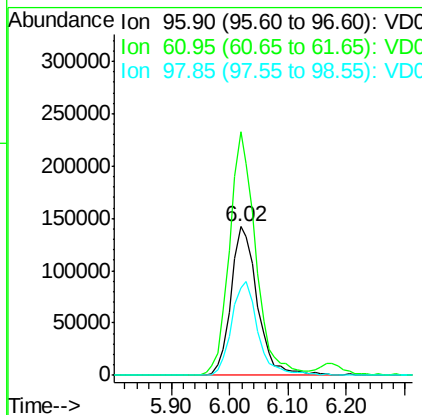
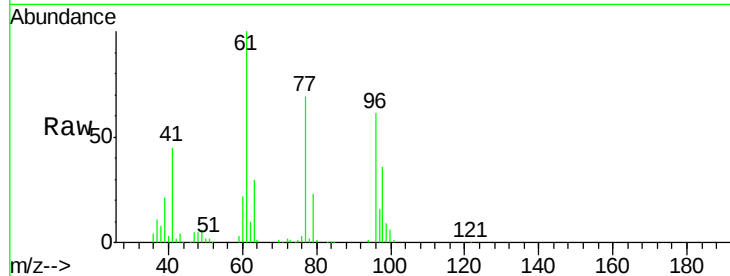


#27

cis-1,2-Dichloroethene
 Concen: 52.861 ug/l
 RT: 6.02 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

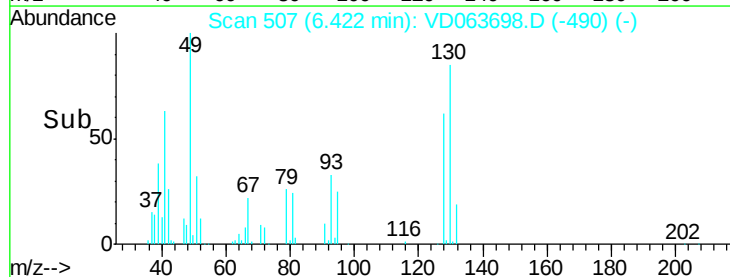
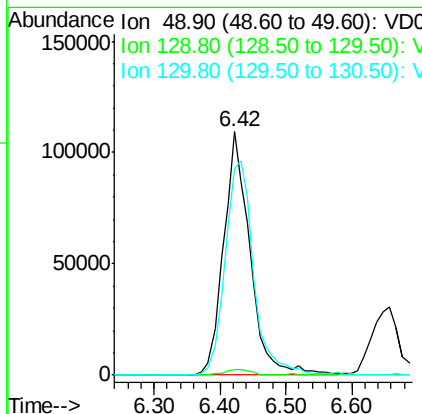
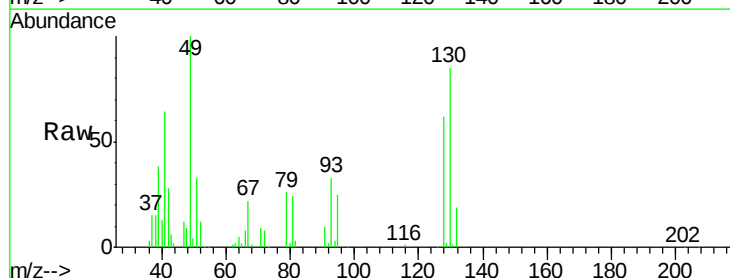
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	304.0
98	58.9	0.0	124.8

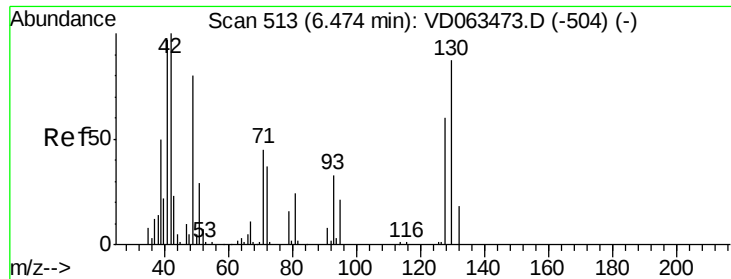


#28

Bromochloromethane
 Concen: 53.102 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	84.7	72.4	108.6

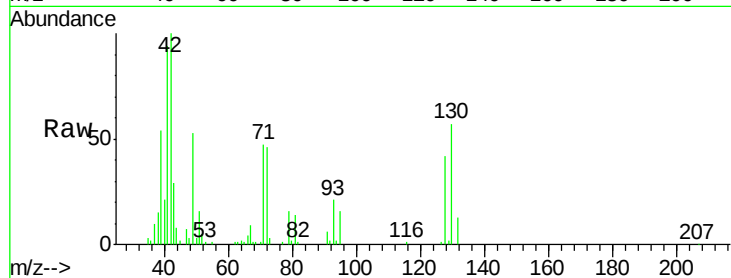




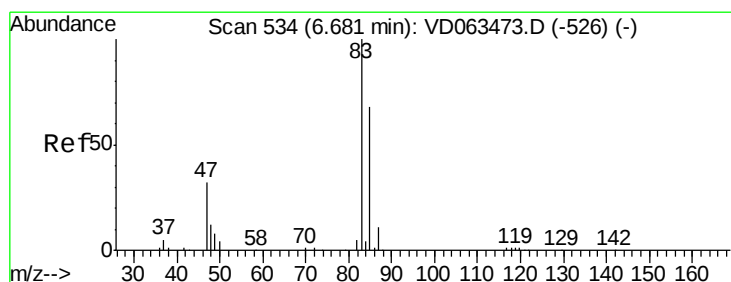
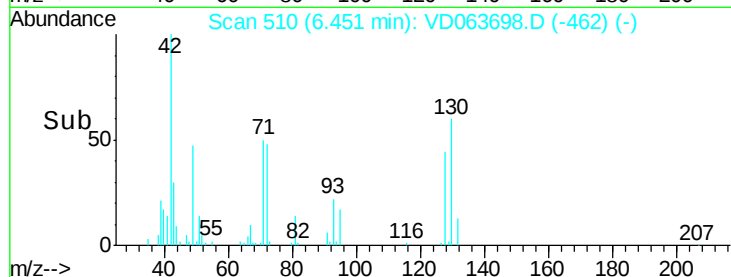
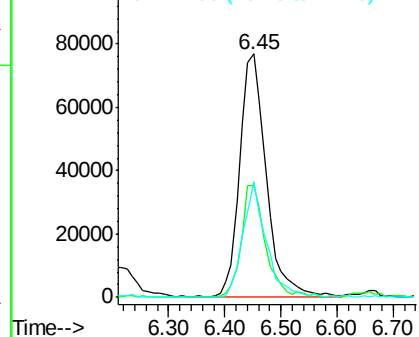
#29
Tetrahydrofuran
Concen: 278.611 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 254773
Ion Ratio Lower Upper
42 100
72 40.5 31.5 47.3
71 41.5 33.8 50.8

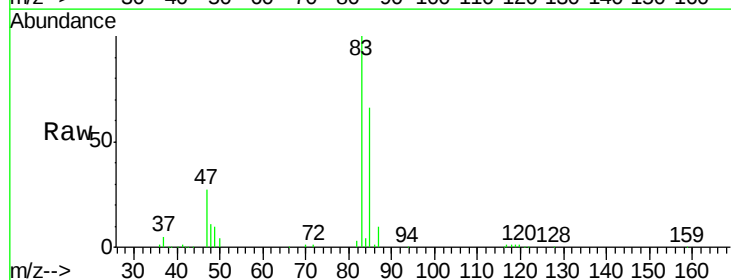


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

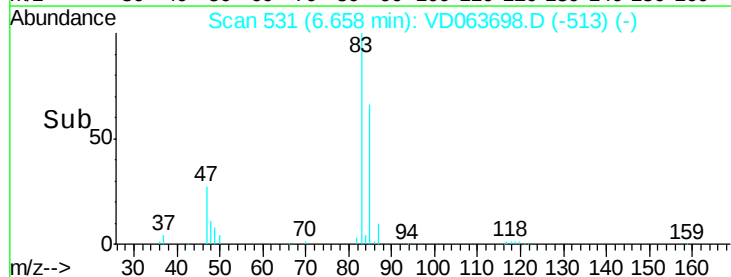
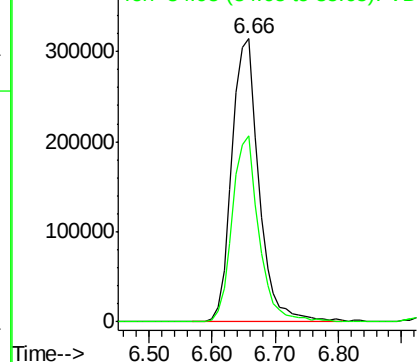


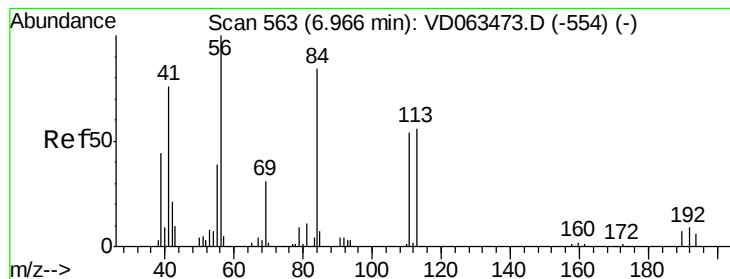
#30
Chloroform
Concen: 52.926 ug/l
RT: 6.66 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 83 Resp: 935258
Ion Ratio Lower Upper
83 100
85 65.8 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: 46.976 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

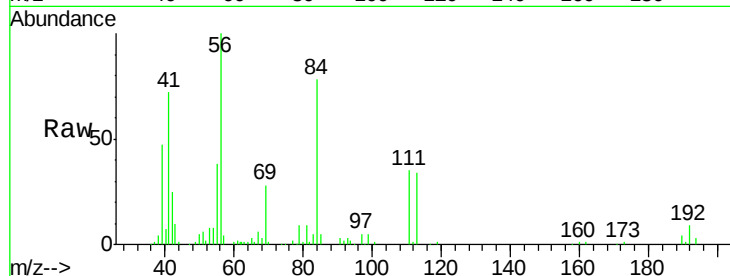
Tot Ion: 56 Resp: 414594

Ion Ratio Lower Upper

56 100

69 27.6 25.0 37.6

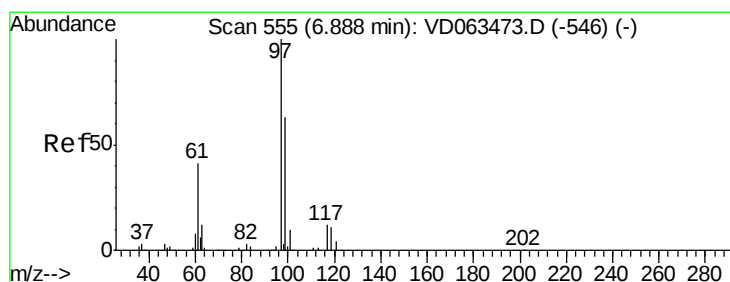
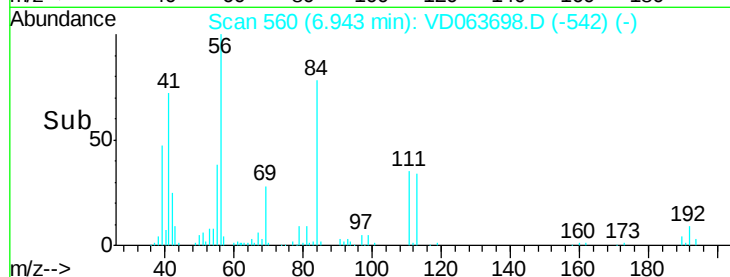
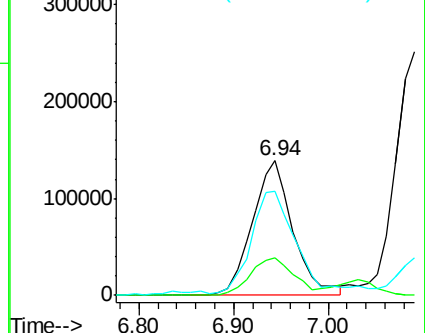
84 77.5 69.7 104.5



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: 53.036 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

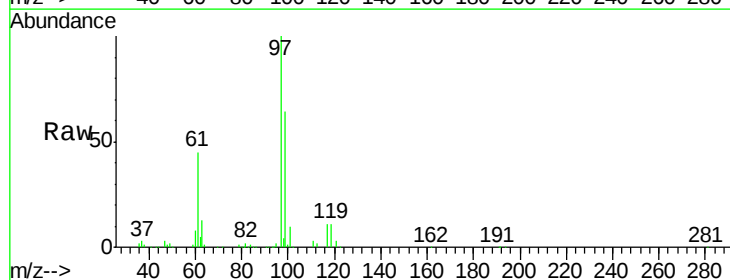
Tgt Ion: 97 Resp: 896502

Ion Ratio Lower Upper

97 100

99 64.2 50.2 75.4

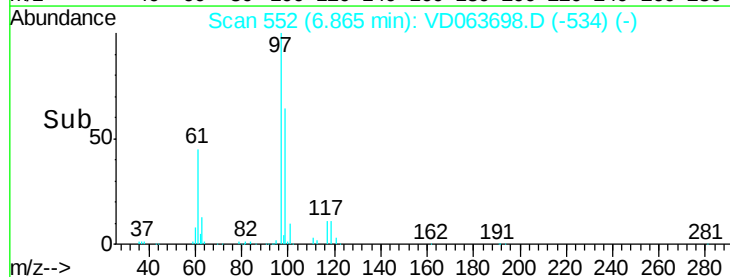
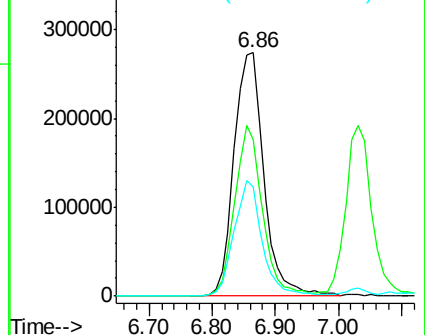
61 45.0 33.1 49.7

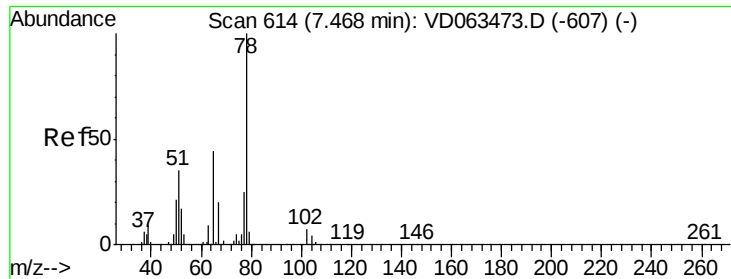


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

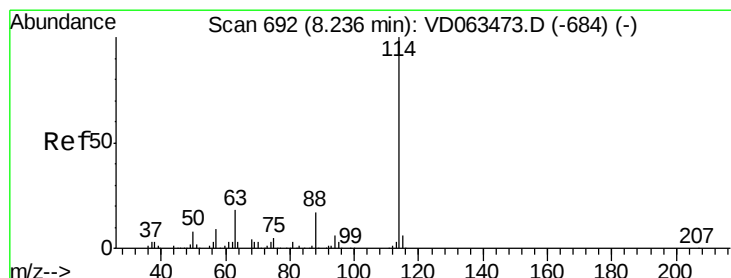
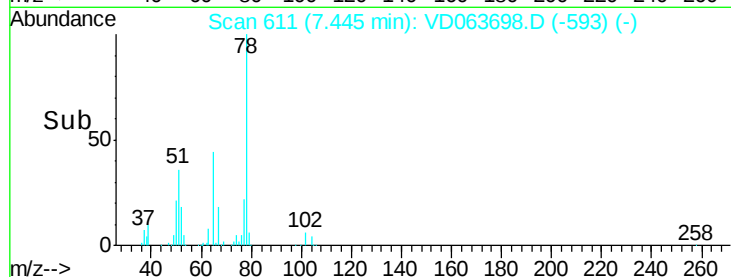
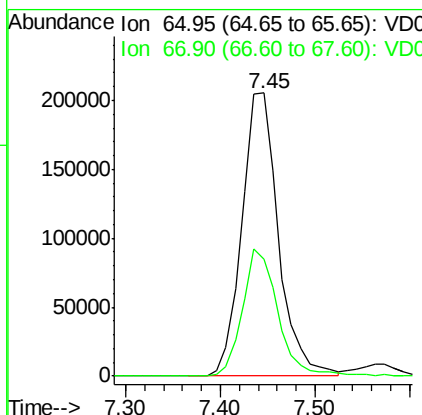
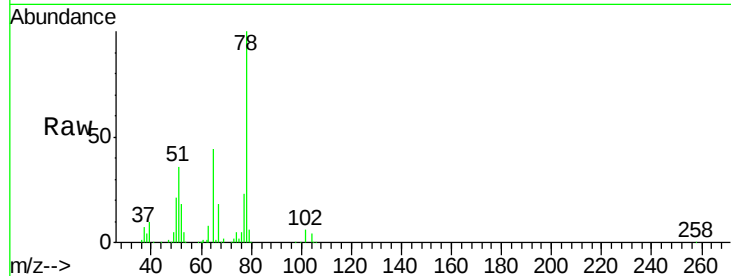




#33
 1,2-Dichloroethane-d4
 Concen: 56.335 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

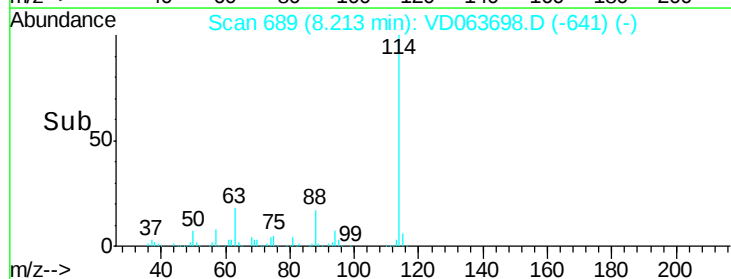
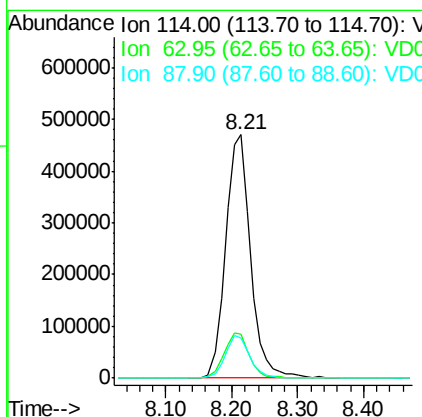
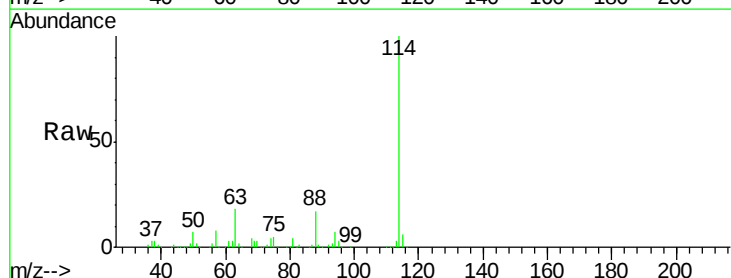
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

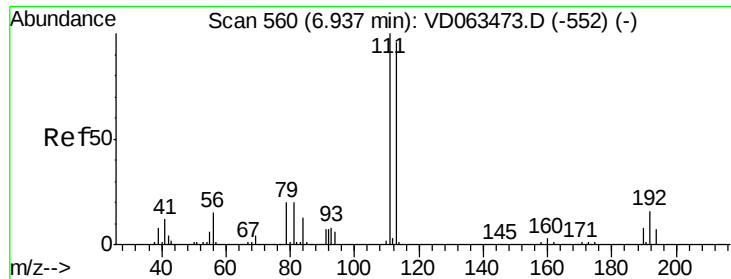
Tot Ion: 65 Resp: 550651
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 114 Resp: 1241797
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 16.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 56.570 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

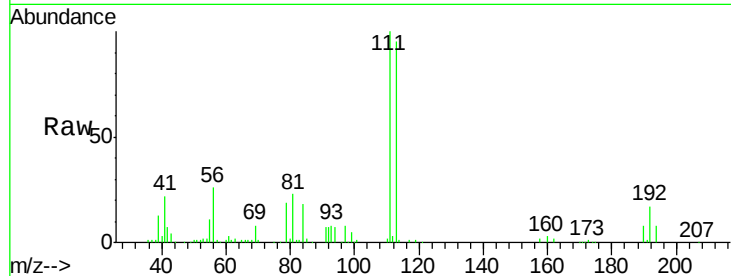
Tot Ion:113 Resp: 591641

Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

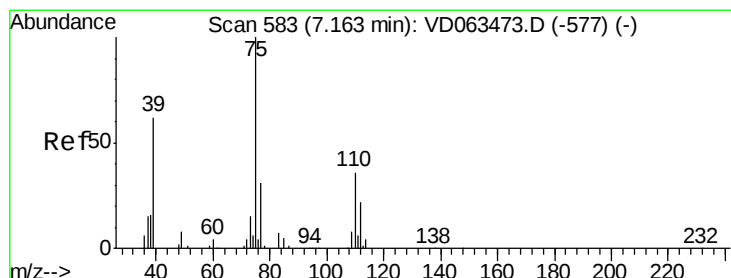
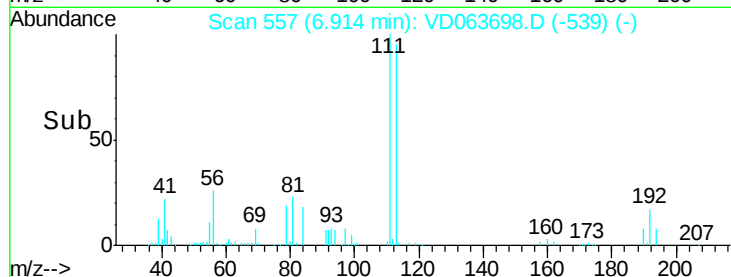
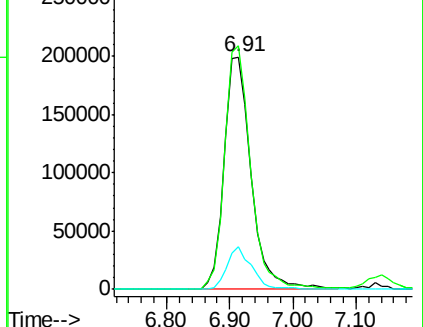
192 18.3 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.002 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

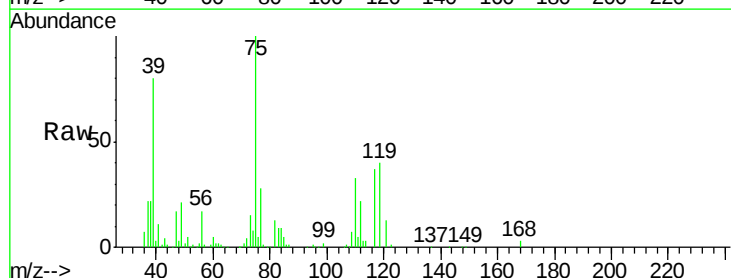
Tgt Ion: 75 Resp: 548912

Ion Ratio Lower Upper

75 100

110 32.9 17.6 52.8

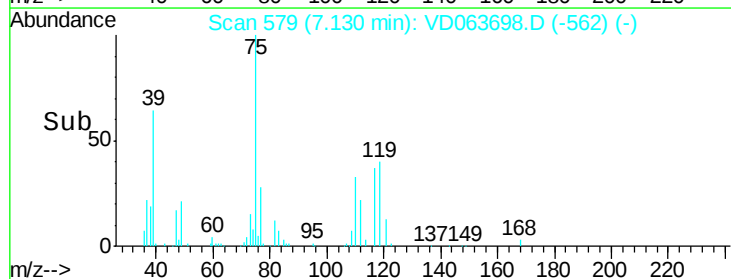
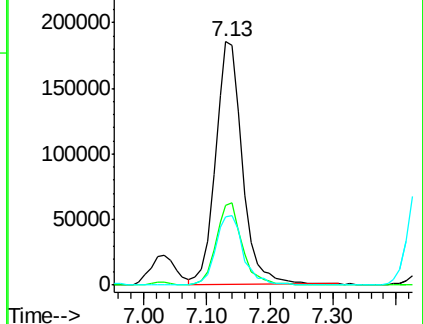
77 28.3 24.3 36.5

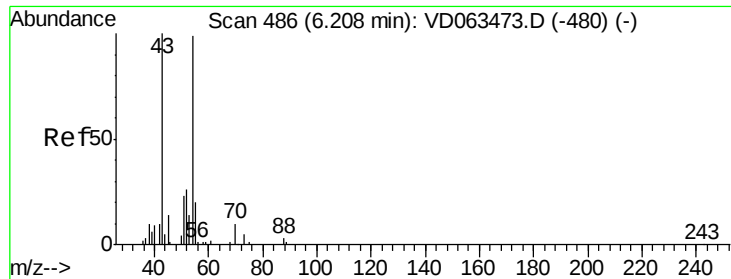


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

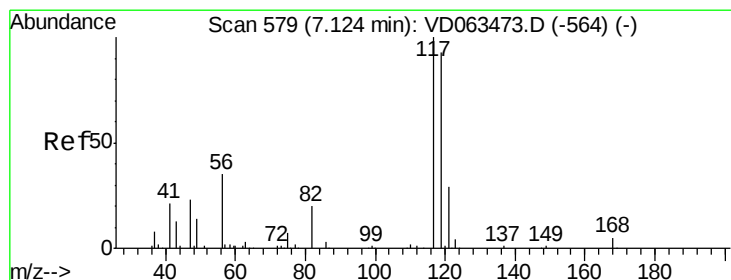
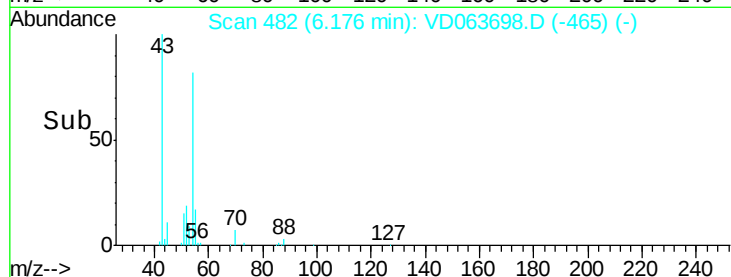
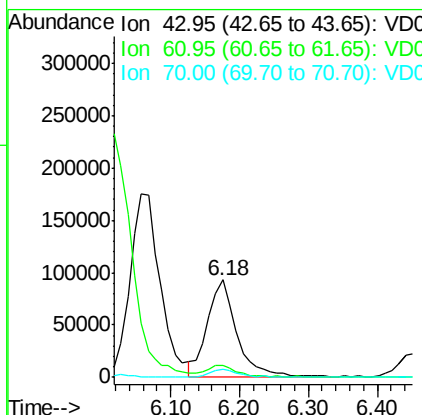
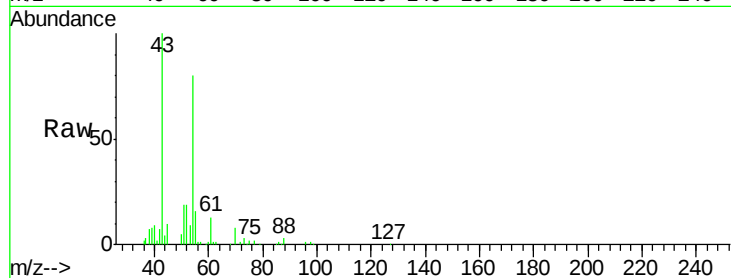




#37
Ethyl Acetate
Concen: 59.028 ug/l
RT: 6.18 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

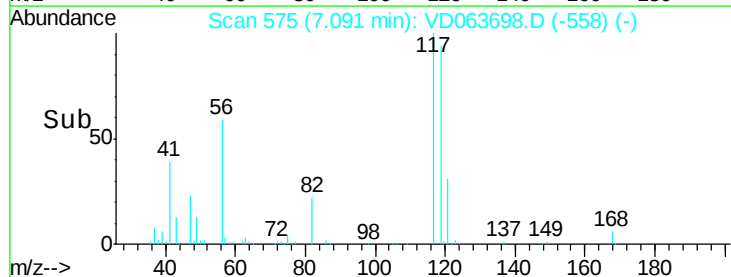
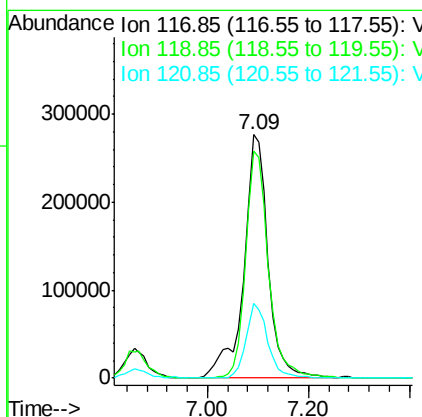
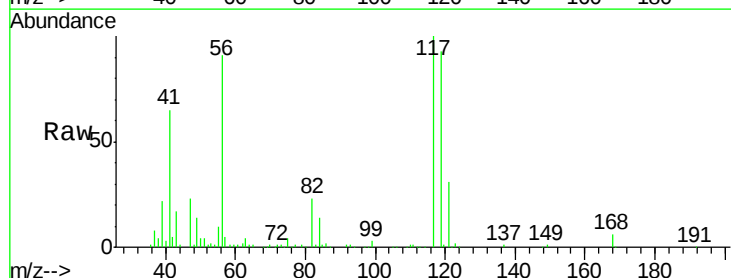
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

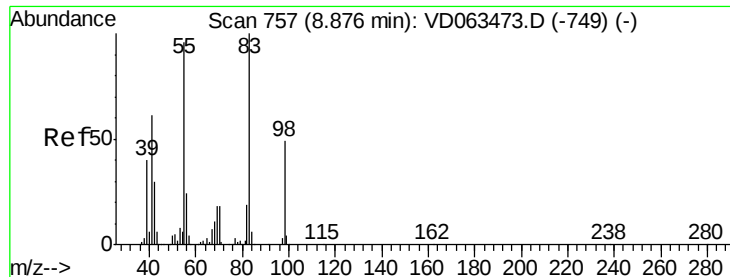
Tot Ion: 43 Resp: 271531
Ion Ratio Lower Upper
43 100
61 12.8 9.0 13.6
70 8.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.857 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 117 Resp: 924136
Ion Ratio Lower Upper
117 100
119 93.3 74.2 111.2
121 30.7 23.1 34.7

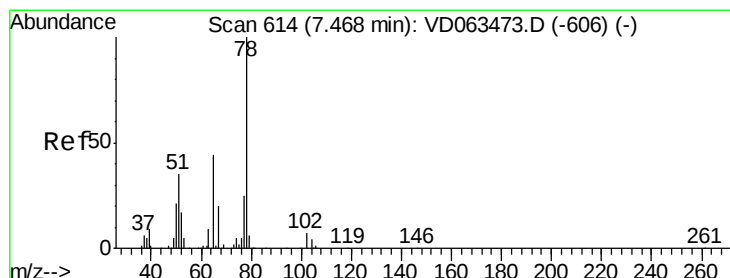
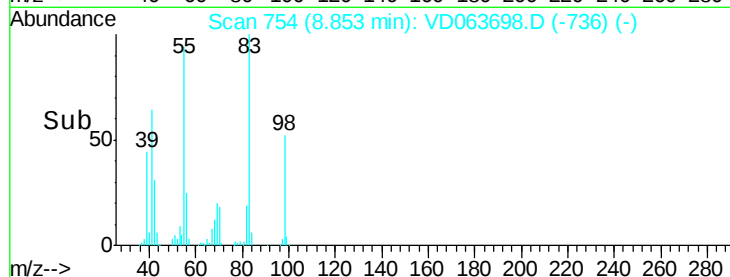
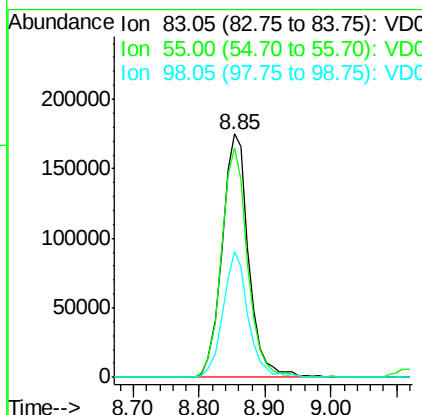
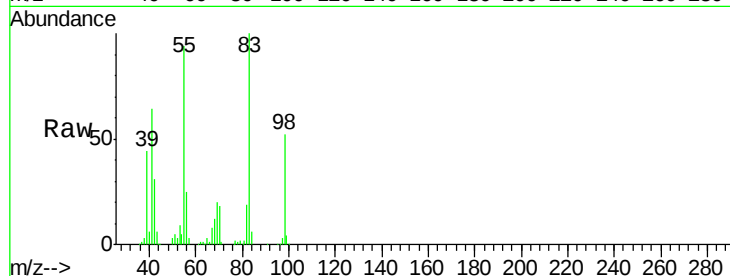




#39
Methylvlcvclohexane
Concen: 52.883 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

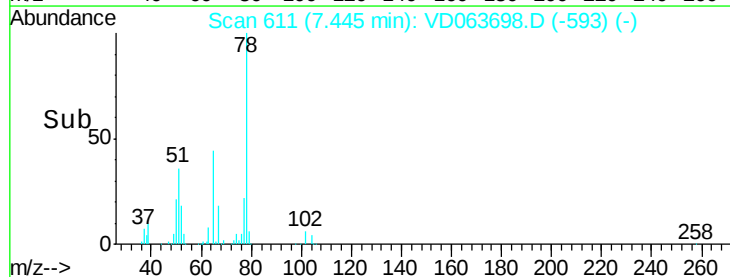
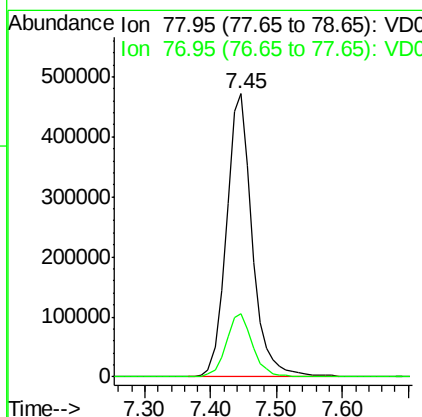
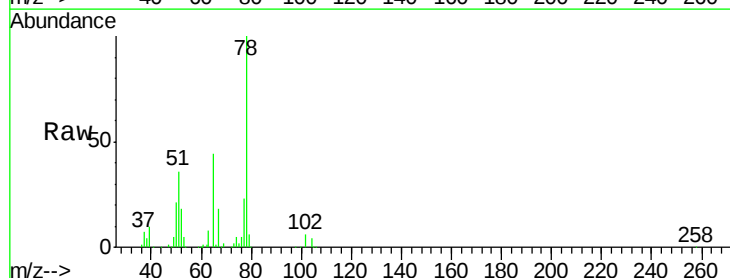
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

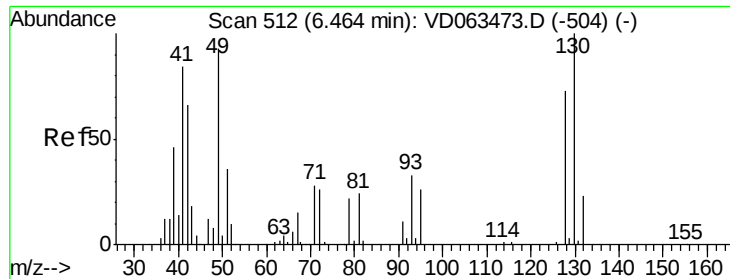
Tot Ion: 83 Resp: 493655
Ion Ratio Lower Upper
83 100
55 94.2 76.6 114.8
98 51.5 39.4 59.0



#40
Benzene
Concen: 53.449 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 78 Resp: 1291229
Ion Ratio Lower Upper
78 100
77 22.6 20.1 30.1

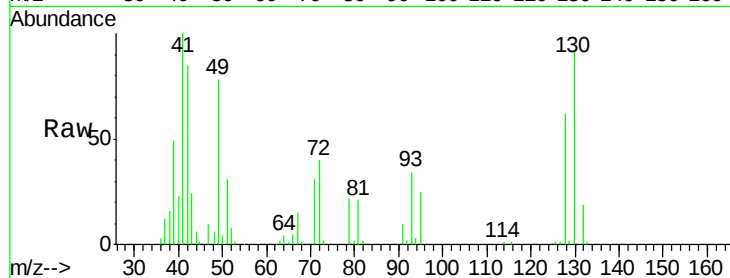




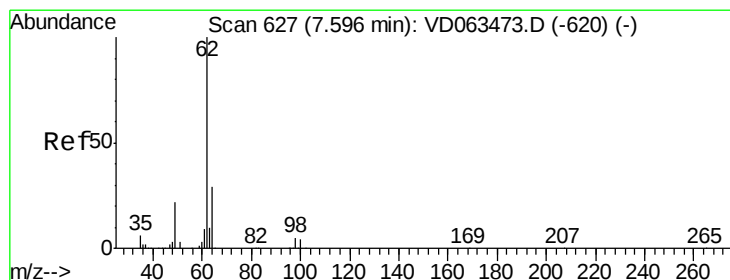
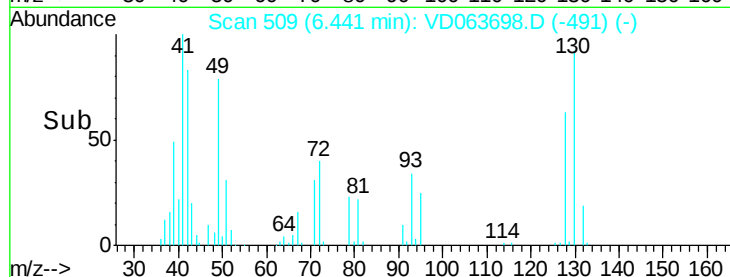
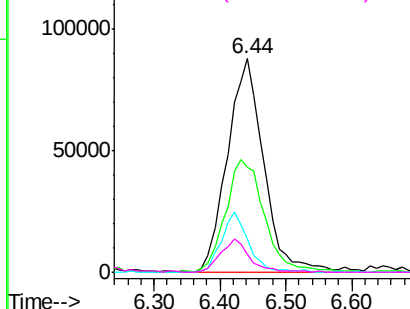
#41
Methacrylonitrile
Concen: 58.536 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 339033
Ion Ratio Lower Upper
41 100
39 49.0 44.6 66.8
67 15.4 14.4 21.6
52 8.3 9.3 13.9#

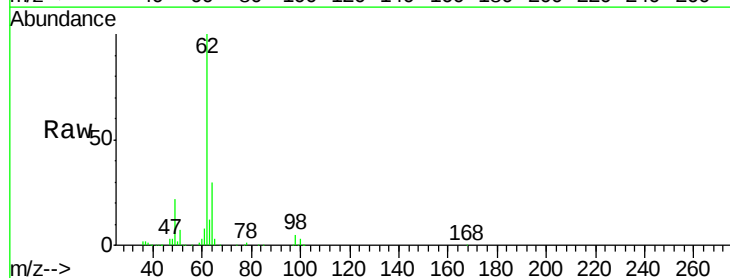


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

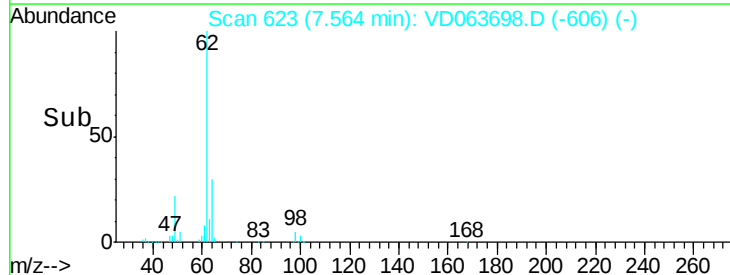
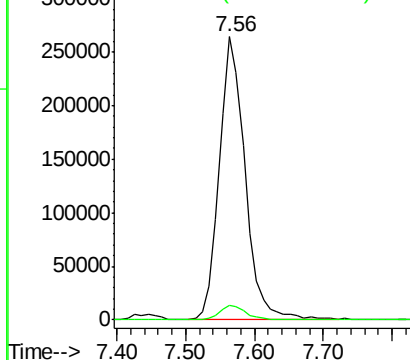


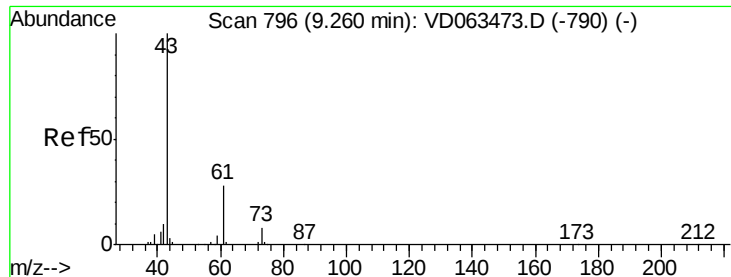
#42
1,2-Dichloroethane
Concen: 56.709 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.03 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 62 Resp: 688864
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.4



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



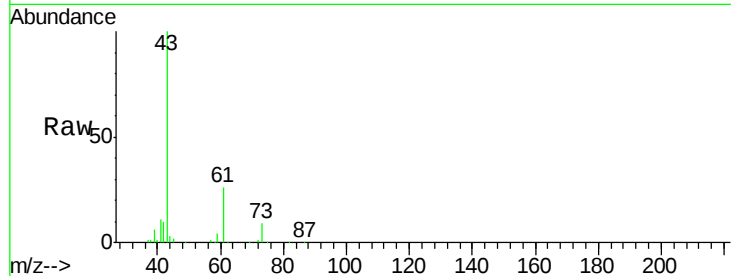


#43

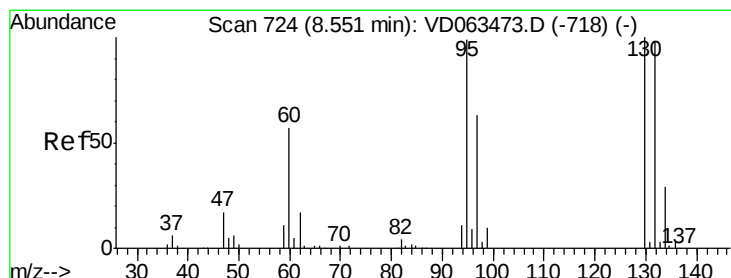
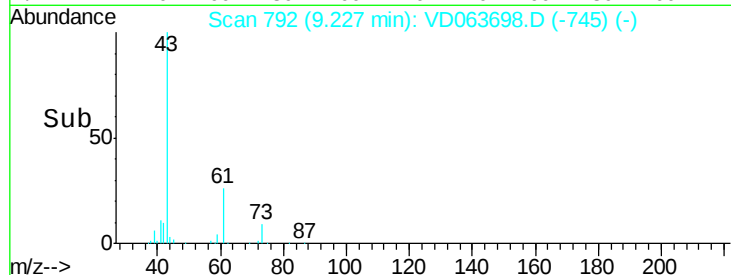
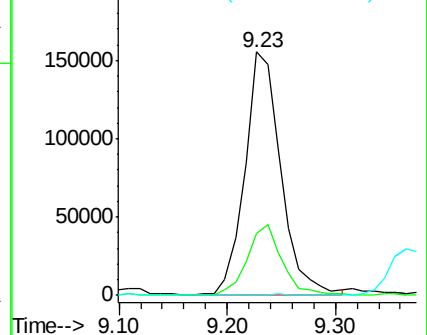
Isopropyl Acetate
 Concen: 58.016 ug/l
 RT: 9.23 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 357428
 Ion Ratio Lower Upper
 43 100
 61 25.6 22.2 33.2
 87 0.4 0.2 0.4#



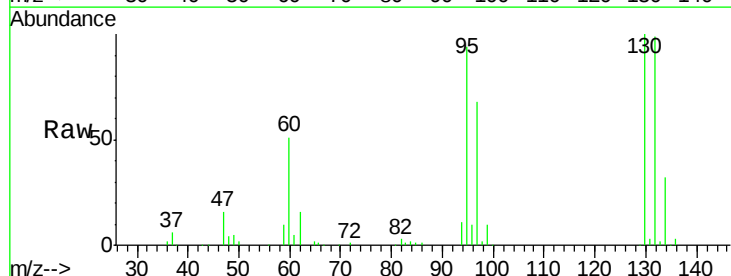
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



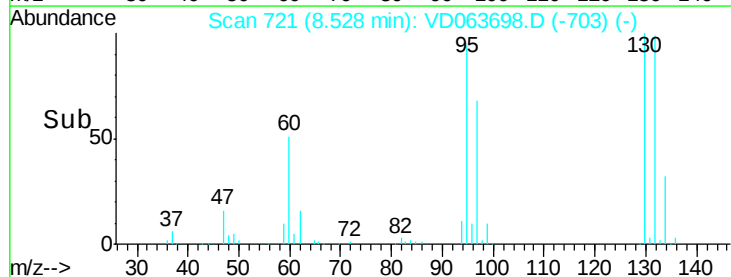
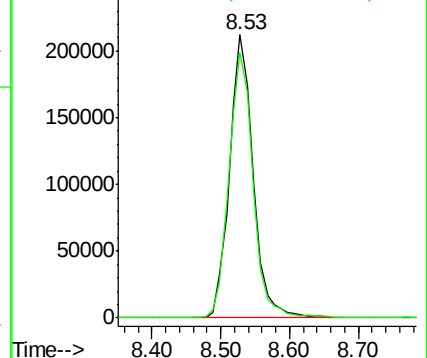
#44

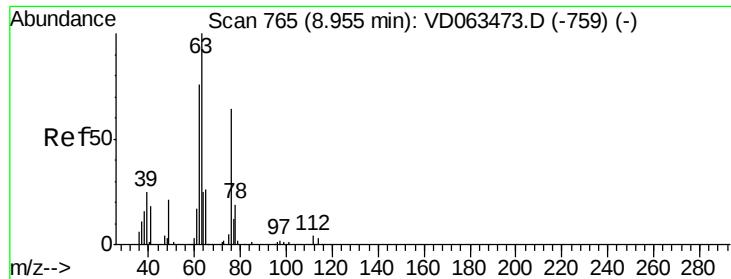
Trichloroethene
 Concen: 54.316 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 130 Resp: 501542
 Ion Ratio Lower Upper
 130 100
 95 93.7 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: 59.620 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

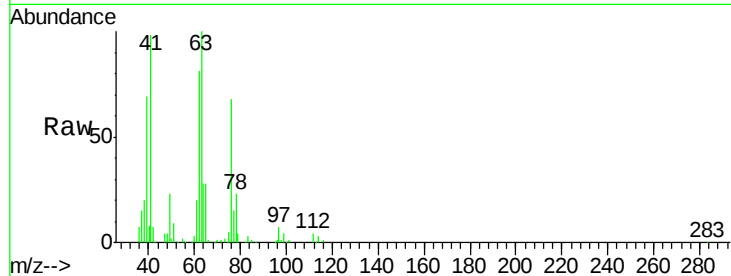
VSTDCCC050

Tot Ion: 63 Resp: 335414

Ion Ratio Lower Upper

63 100

65 27.7 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

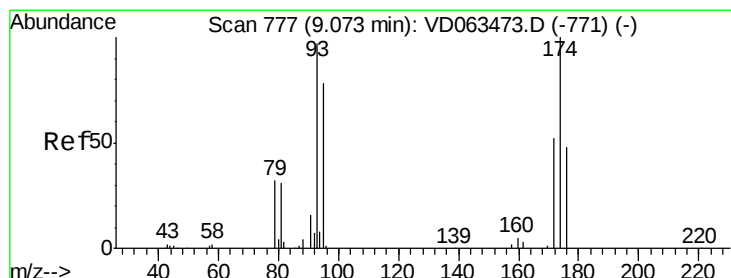
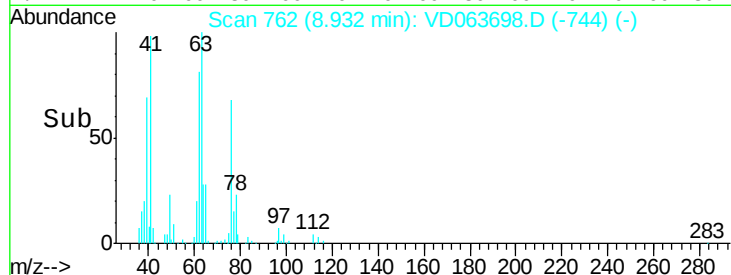
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.888 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

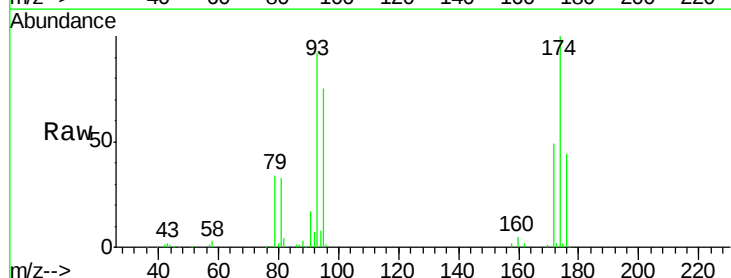
Tgt Ion: 93 Resp: 273312

Ion Ratio Lower Upper

93 100

95 80.6 64.2 96.2

174 108.2 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

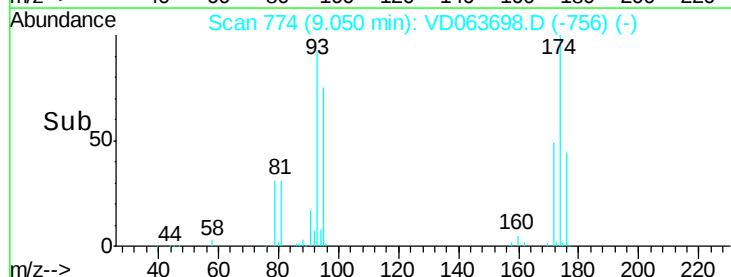
150000

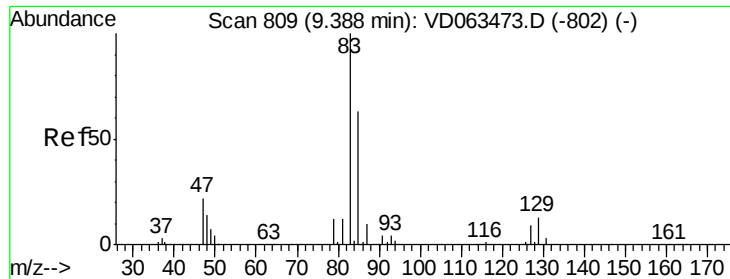
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 58.451 ug/l

RT: 9.37 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

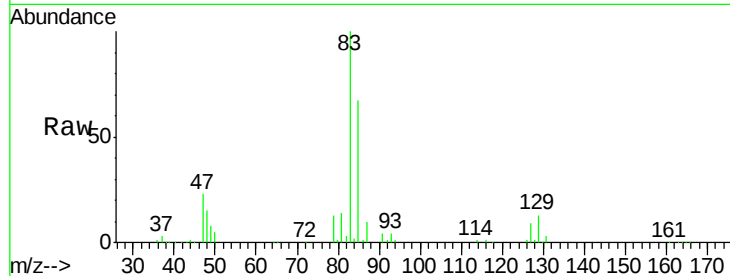
Tot Ion: 83 Resp: 720331

Ion Ratio Lower Upper

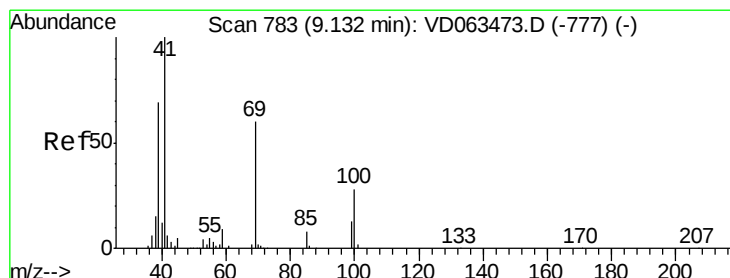
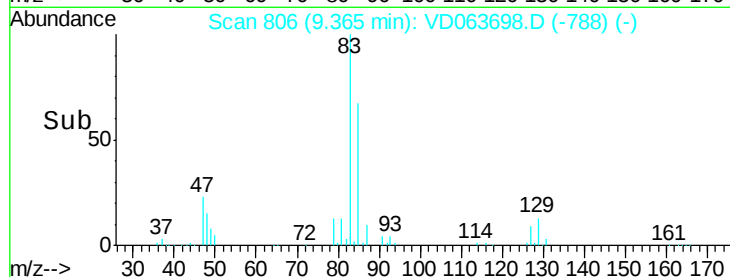
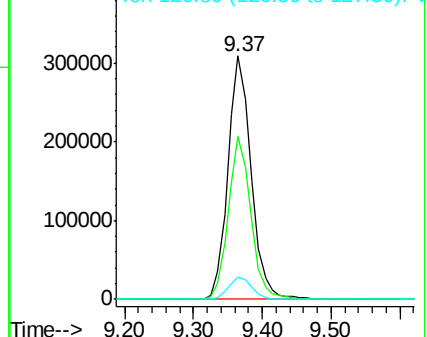
83 100

85 66.8 50.1 75.1

127 9.0 7.6 11.4



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



#48

Methyl methacrylate

Concen: 57.645 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

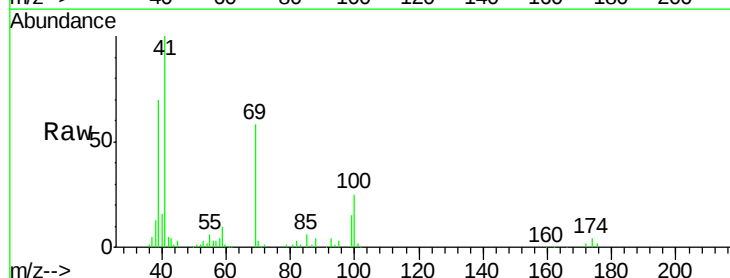
Tgt Ion: 41 Resp: 240852

Ion Ratio Lower Upper

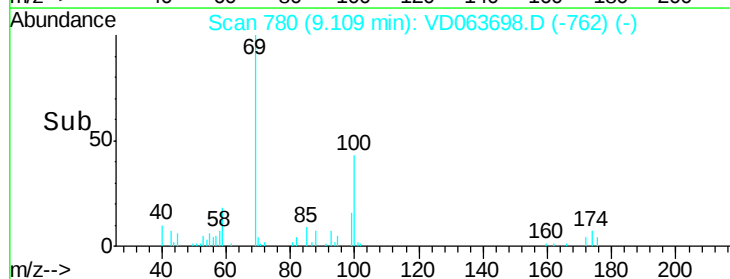
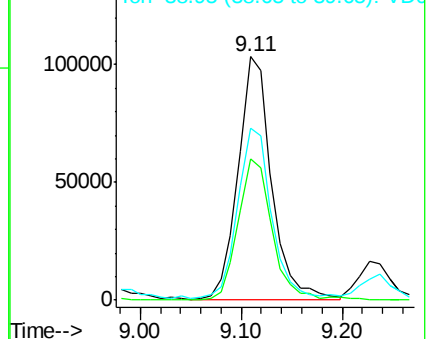
41 100

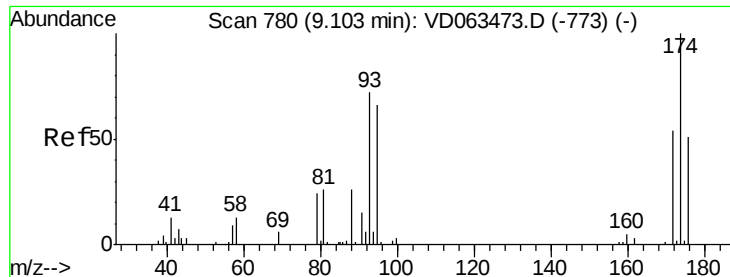
69 57.7 47.6 71.4

39 70.4 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

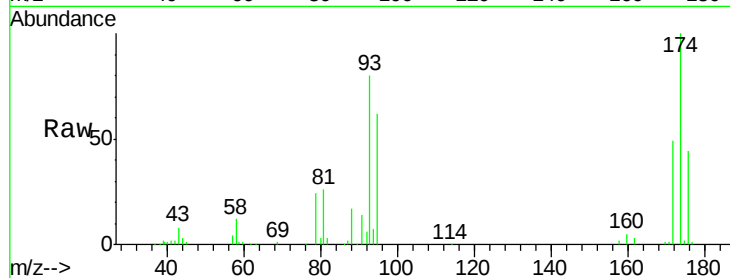




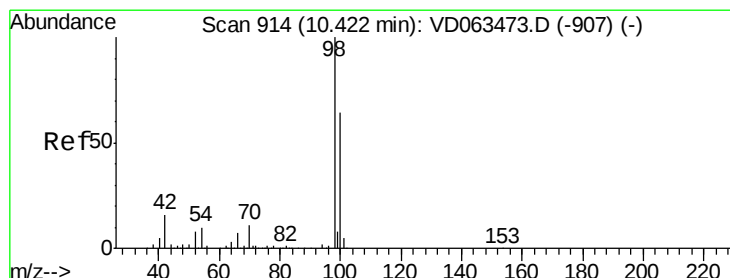
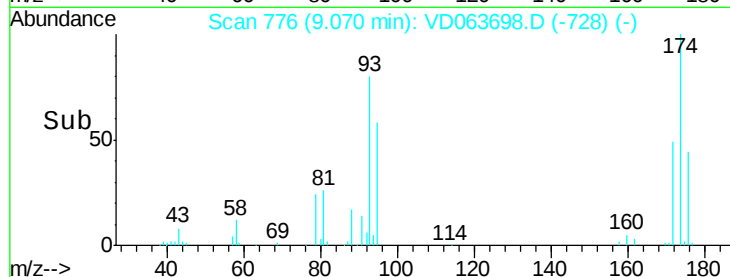
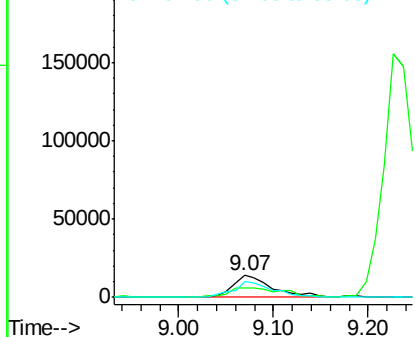
#49
 1,4-Dioxane
 Concen: 1085.825 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 40594
 Ion Ratio Lower Upper
 88 100
 43 44.3 22.9 34.3#
 58 70.1 40.1 60.1#

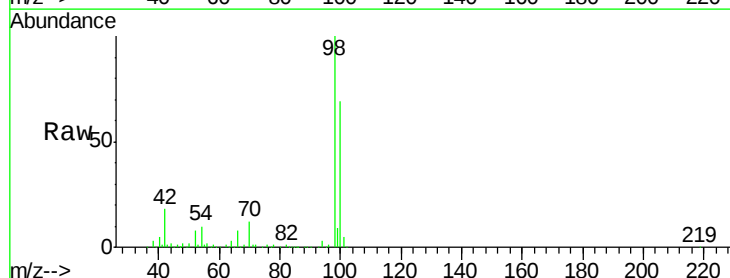


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

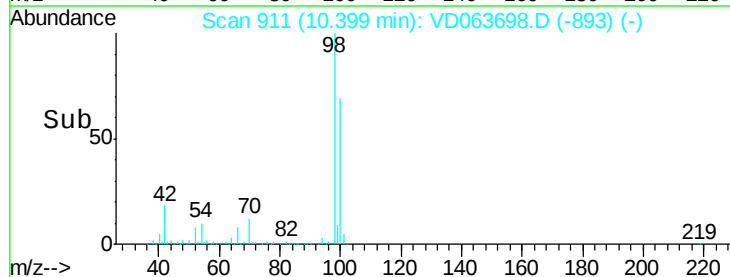
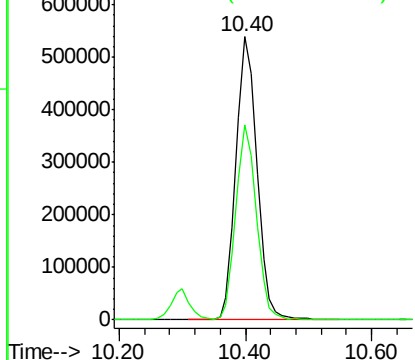


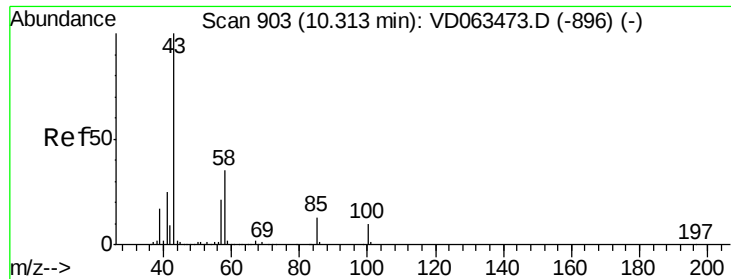
#50
 Toluene-d8
 Concen: 53.869 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 98 Resp: 1238636
 Ion Ratio Lower Upper
 98 100
 100 68.9 51.7 77.5



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

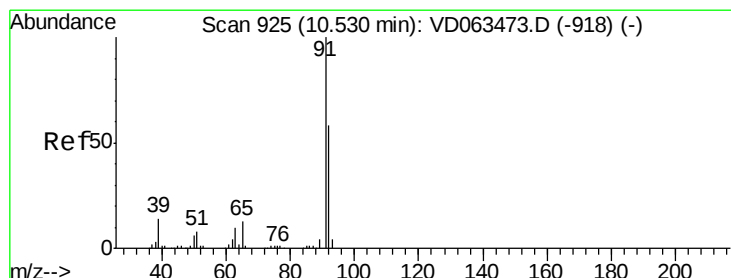
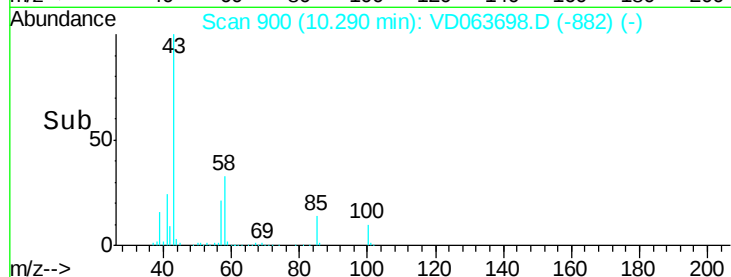
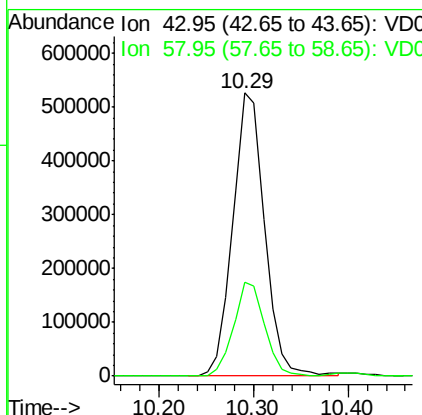
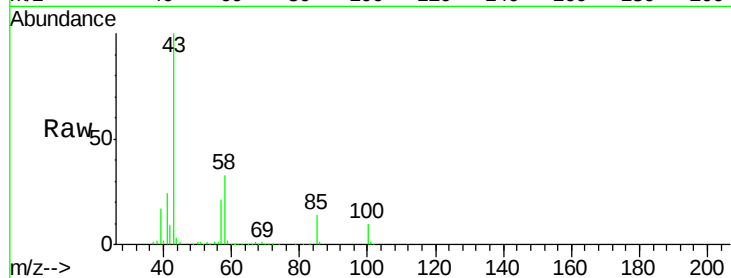




#51
 4-Methyl-2-Pentanone
 Concen: 291.190 ug/l
 RT: 10.29 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

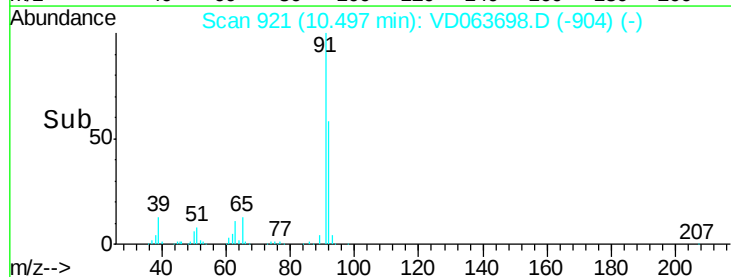
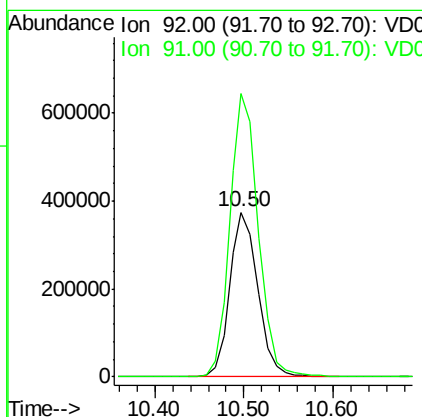
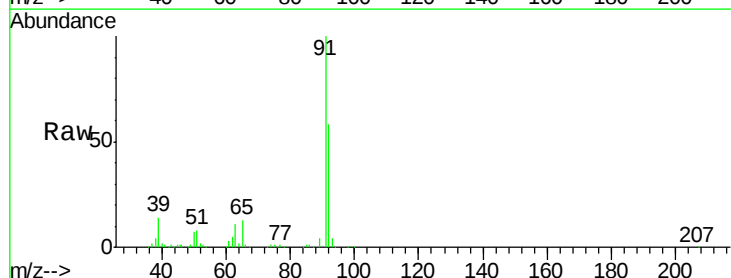
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

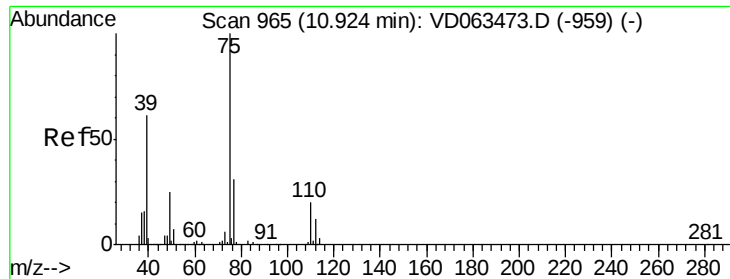
Tot Ion: 43 Resp: 1227578
 Ion Ratio Lower Upper
 43 100
 58 33.1 28.0 42.0



#52
 Toluene
 Concen: 53.232 ug/l
 RT: 10.50 min Scan# 921
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 92 Resp: 828297
 Ion Ratio Lower Upper
 92 100
 91 172.0 137.9 206.9

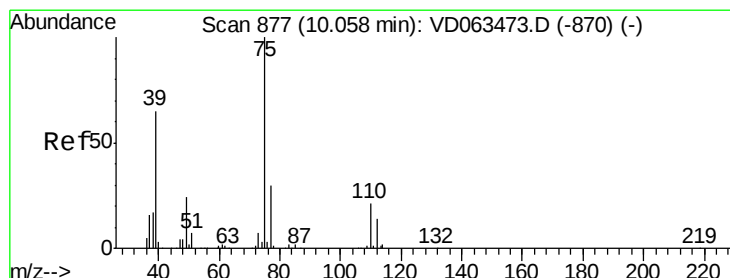
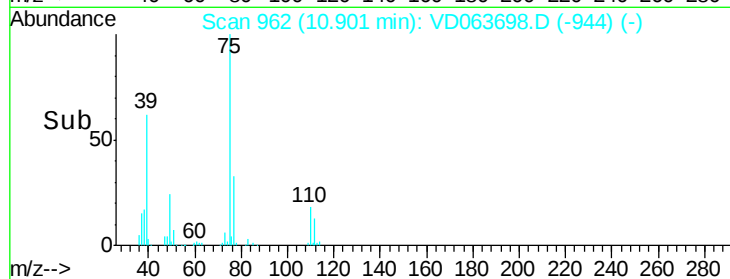
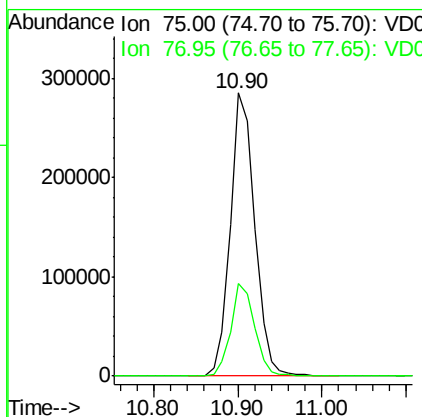
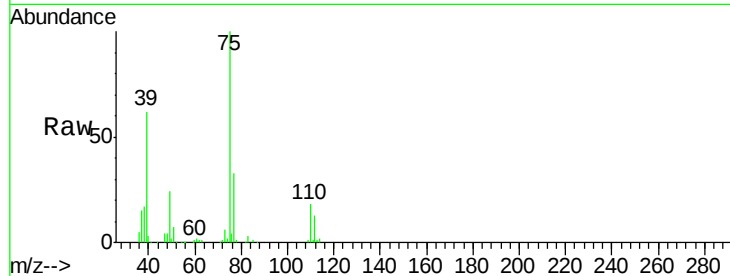




#53
 t-1,3-Dichloropropene
 Concen: 57.466 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

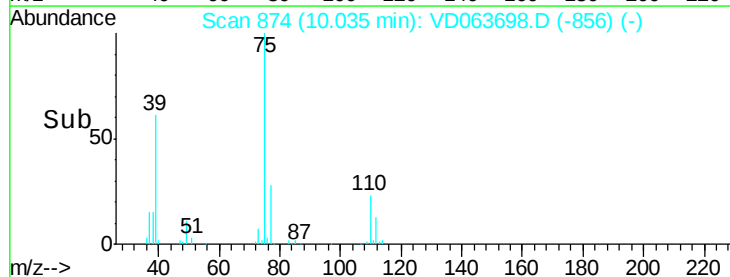
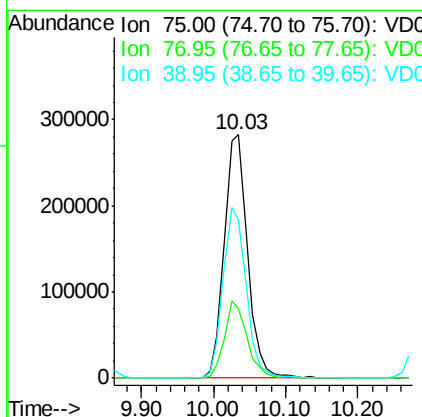
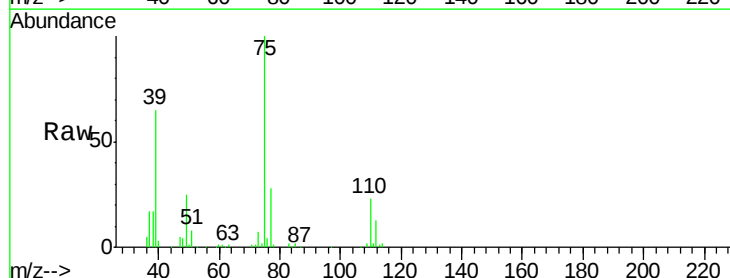
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

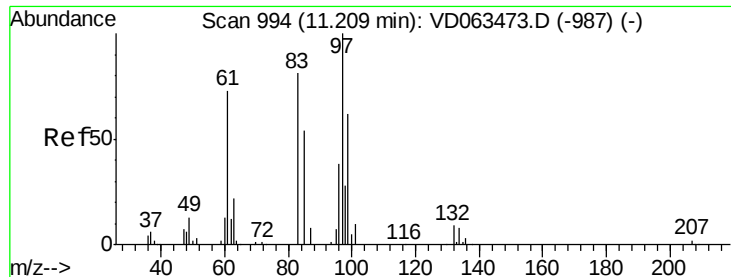
Tot Ion: 75 Resp: 577960
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.048 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 75 Resp: 635611
 Ion Ratio Lower Upper
 75 100
 77 28.3 23.7 35.5
 39 64.7 52.2 78.4

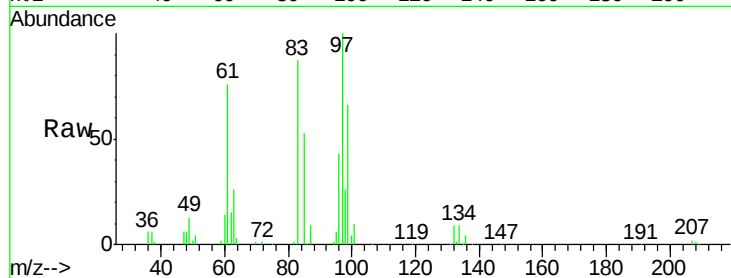




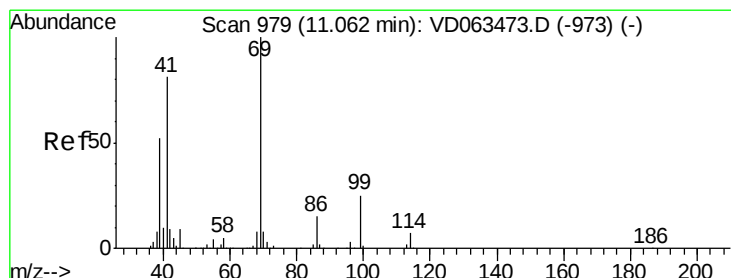
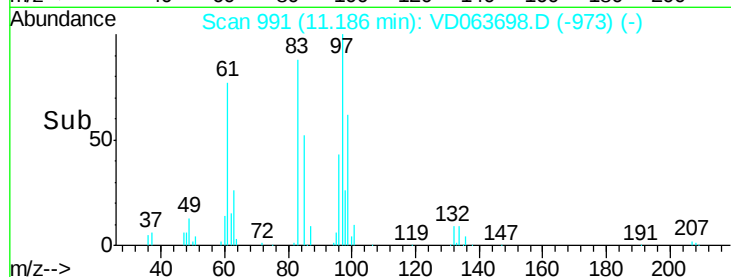
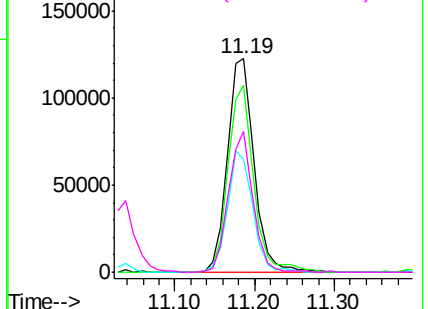
#55
 1,1,2-Trichloroethane
 Concen: 54.543 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	286686
Ion	Ratio	Lower	Upper
97	100		
83	87.2	64.7	97.1
85	53.0	42.9	64.3
99	65.7	49.7	74.5

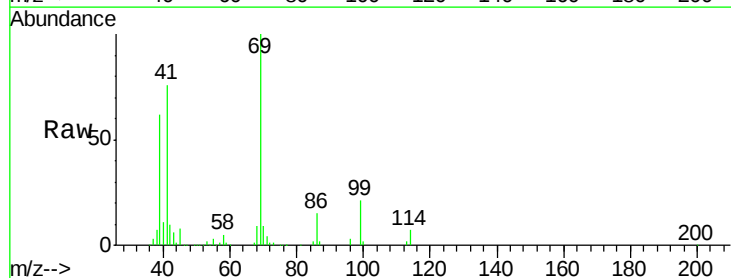


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

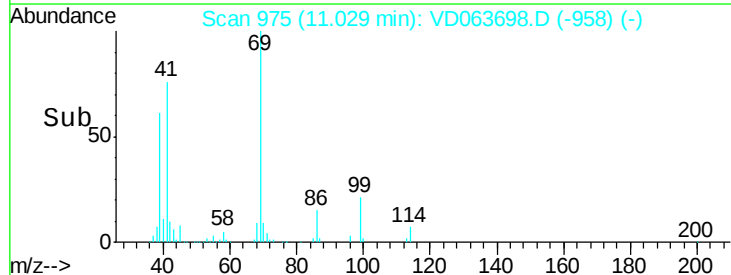
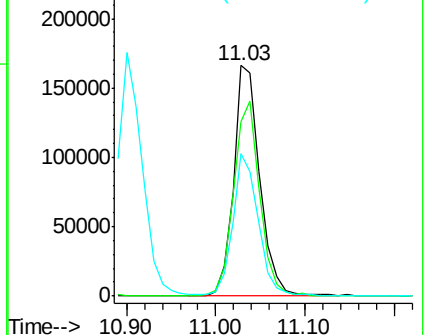


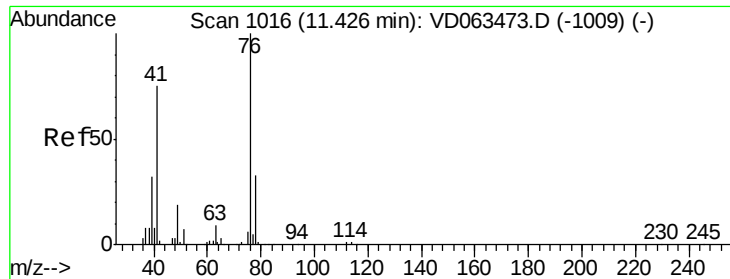
#56
 Ethyl methacrylate
 Concen: 59.839 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion:	69	Resp:	341380
Ion	Ratio	Lower	Upper
69	100		
41	75.6	64.8	97.2
39	61.8	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: 57.342 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

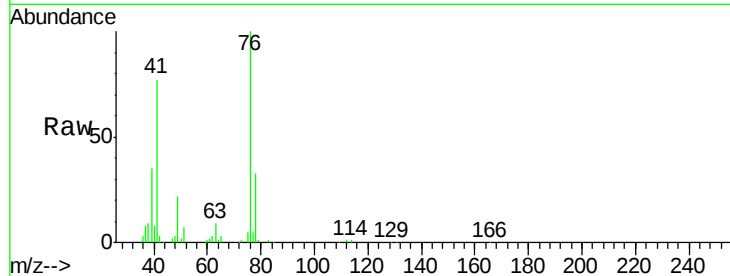
VSTDCCC050

Tot Ion: 76 Resp: 455591

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

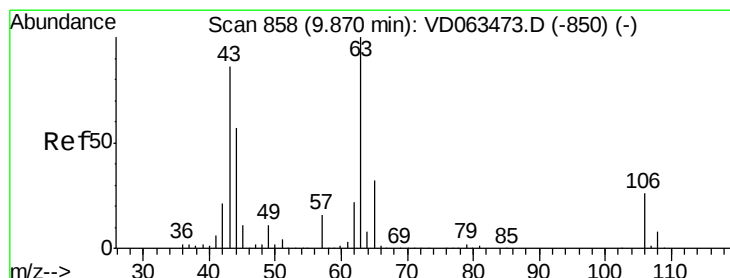
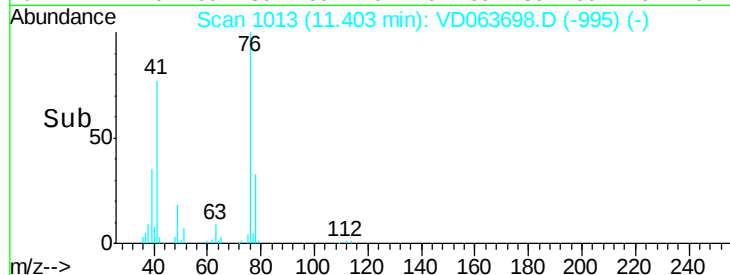
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 318.154 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD063698.D

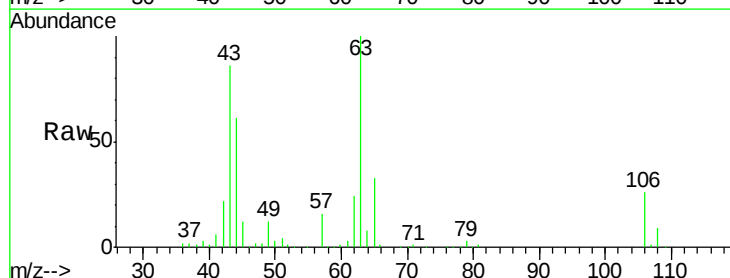
Acq: 20 Aug 2019 22:19

Tgt Ion: 63 Resp: 958235

Ion Ratio Lower Upper

63 100

106 26.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

500000

400000

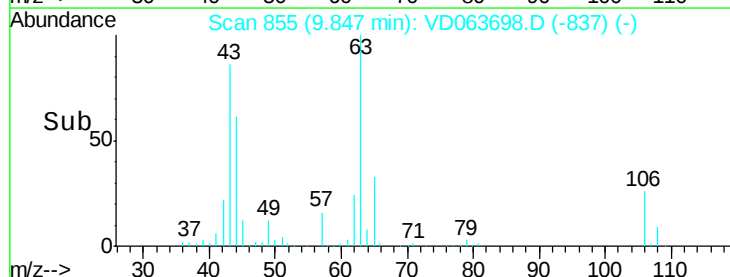
300000

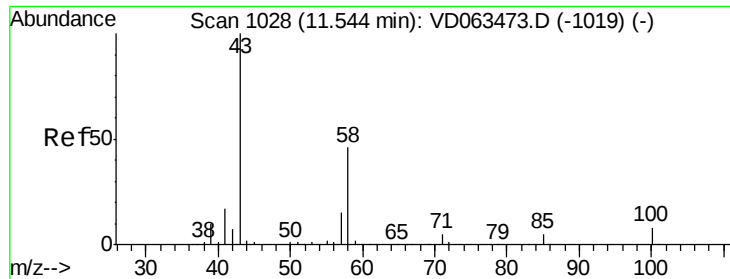
200000

100000

0

Time-->

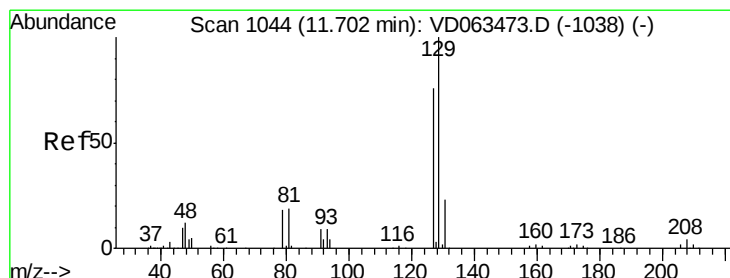
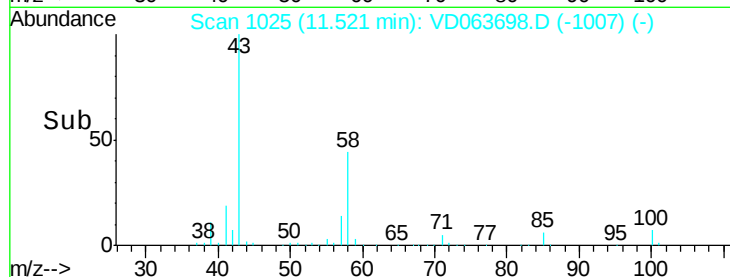
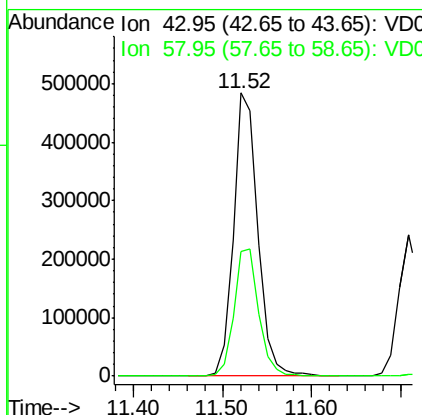
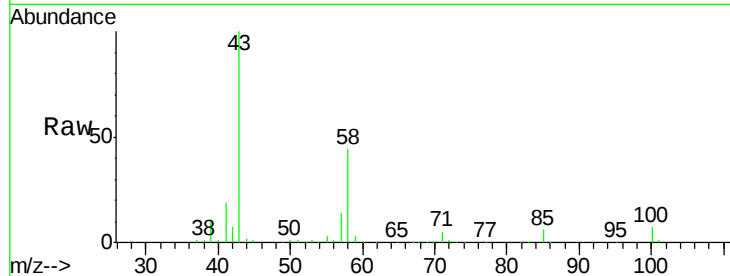




#59
2-Hexanone
Concen: 301.457 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

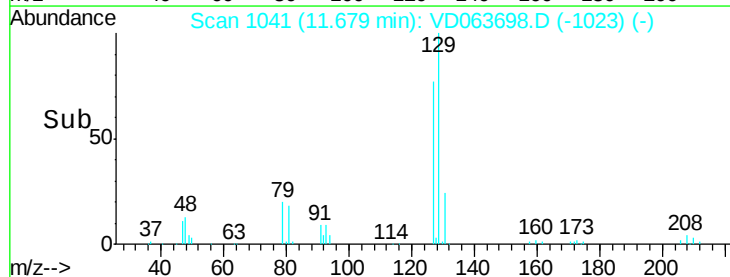
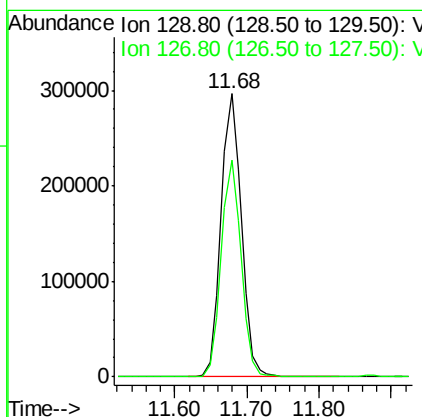
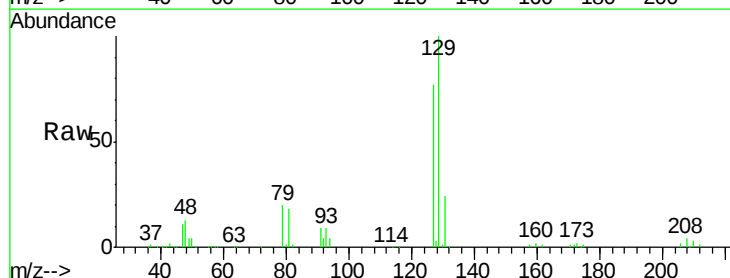
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

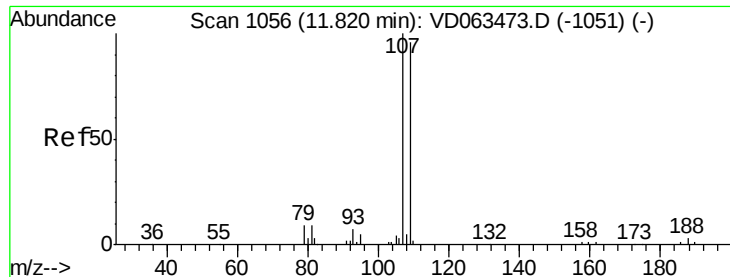
Tot Ion: 43 Resp: 924713
Ion Ratio Lower Upper
43 100
58 44.0 23.1 69.2



#60
Dibromochloromethane
Concen: 60.372 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 129 Resp: 577417
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4

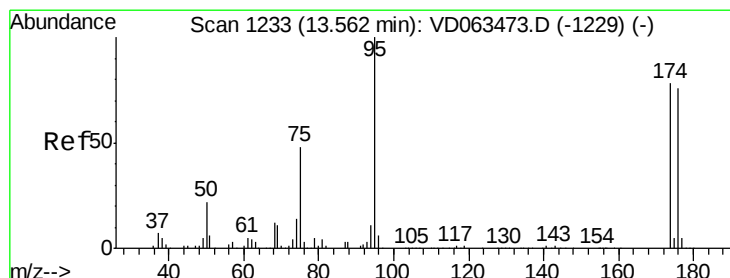
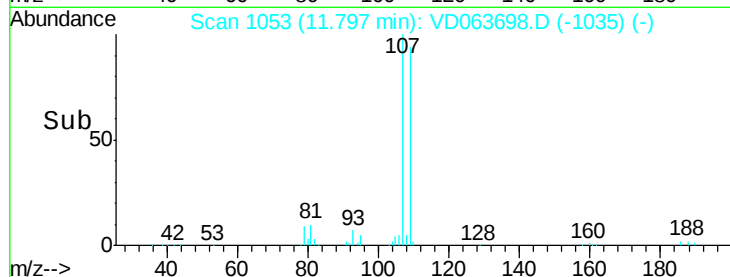
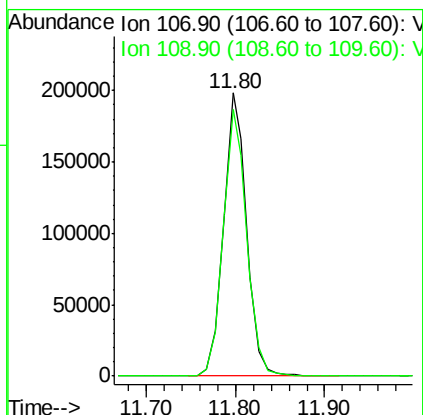
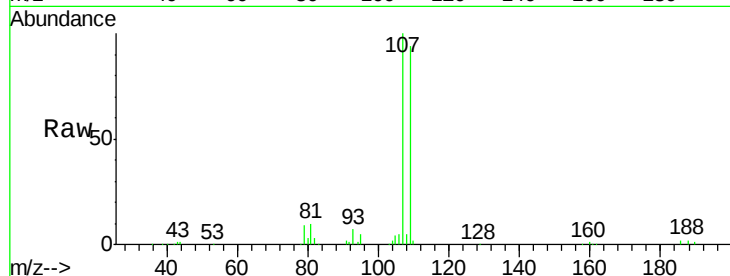




#61
 1,2-Dibromoethane
 Concen: 56.853 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

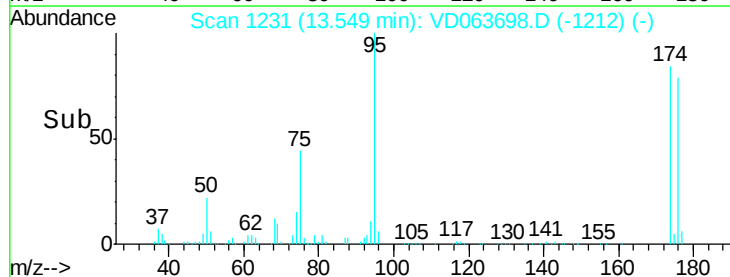
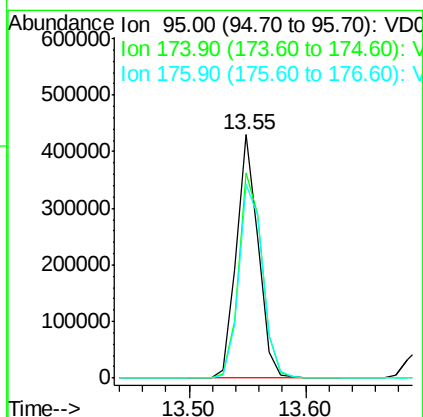
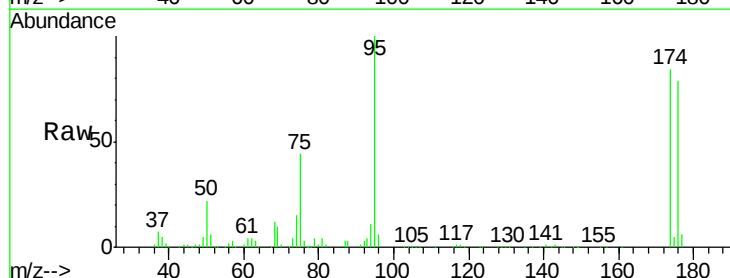
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

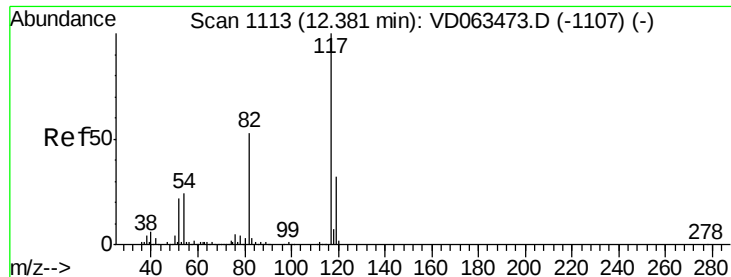
Tot Ion: 107 Resp: 361754
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.461 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion: 95 Resp: 557153
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 155.4
 176 79.3 0.0 152.4

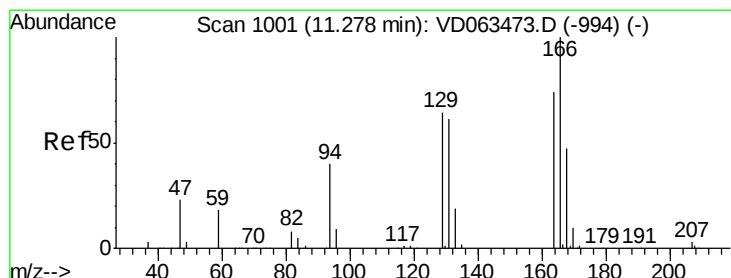
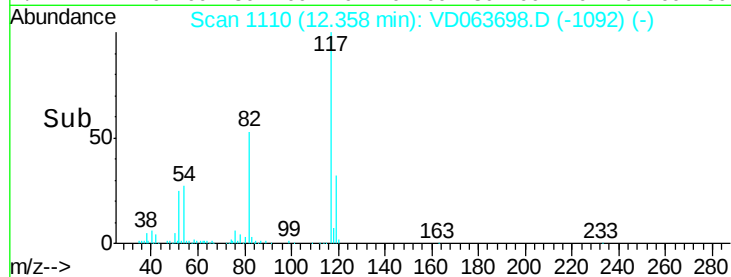
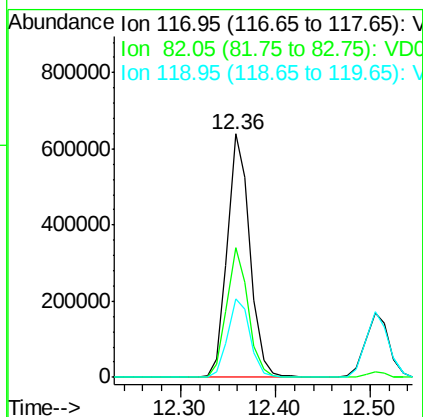
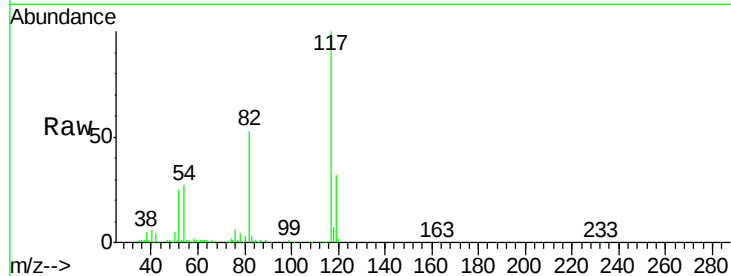




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

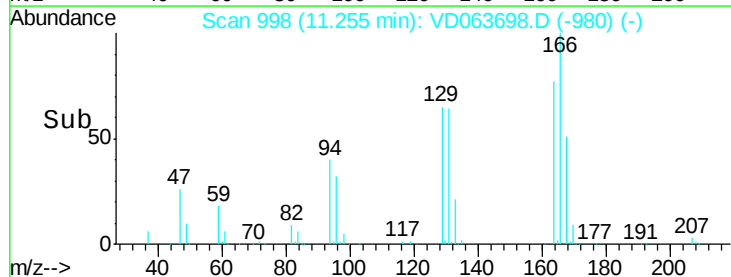
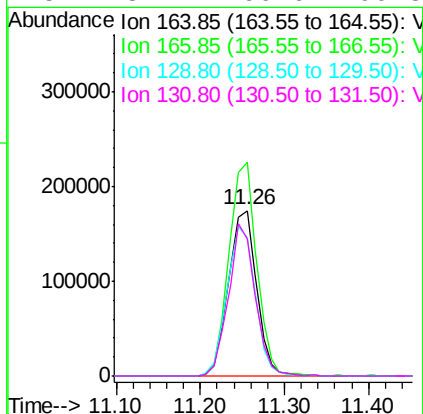
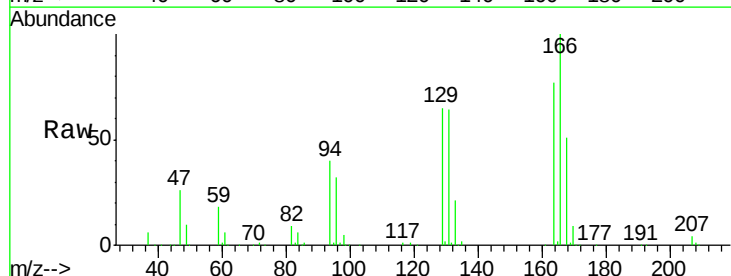
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

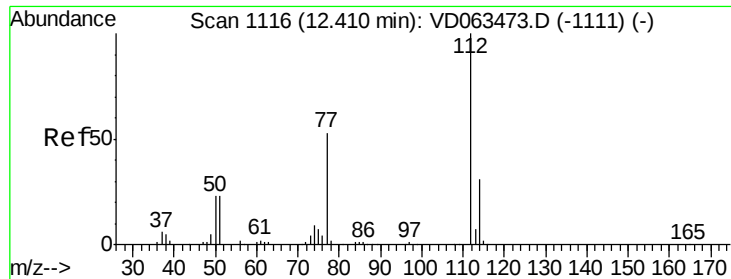
Tot Ion:117 Resp: 1054632
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 50.052 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion:164 Resp: 407499
Ion Ratio Lower Upper
164 100
166 129.0 108.6 163.0
129 83.4 69.0 103.6
131 82.4 66.6 99.8





#65

Chlorobenzene

Concen: 52.233 ug/l

RT: 12.40 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

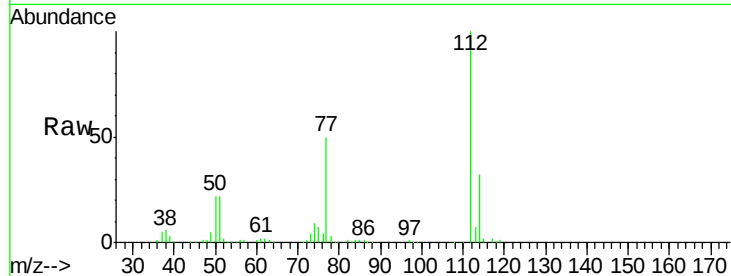
VSTDCCC050

Tot Ion:112 Resp: 1032462

Ion Ratio Lower Upper

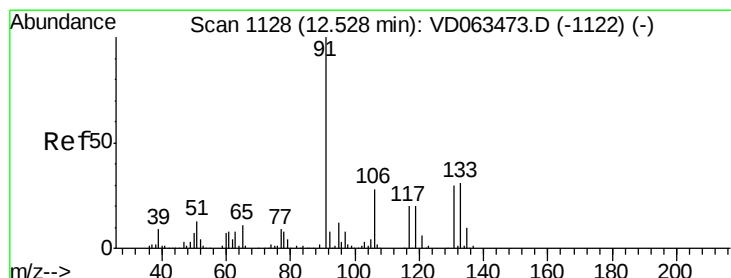
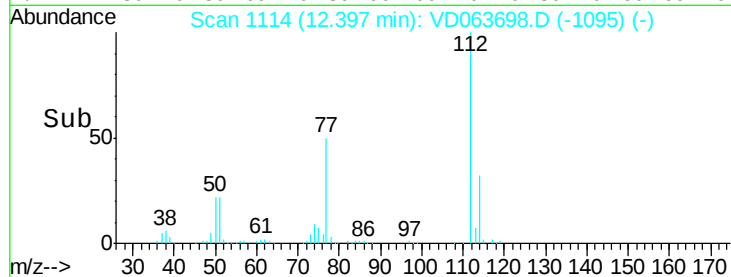
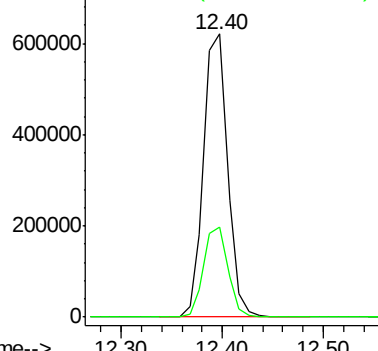
112 100

114 32.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.178 ug/l

RT: 12.51 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

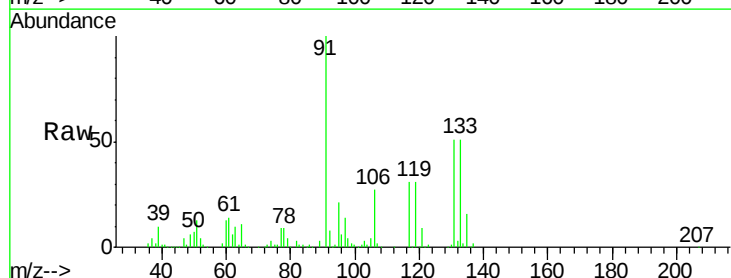
Tgt Ion:131 Resp: 479994

Ion Ratio Lower Upper

131 100

133 101.6 51.1 153.3

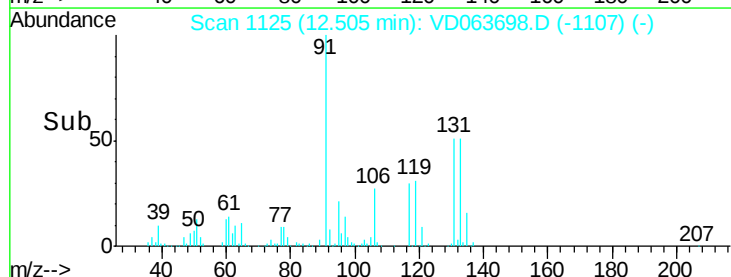
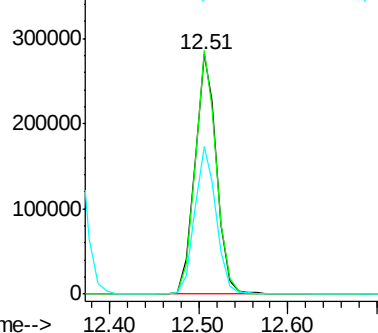
119 61.5 33.1 99.3

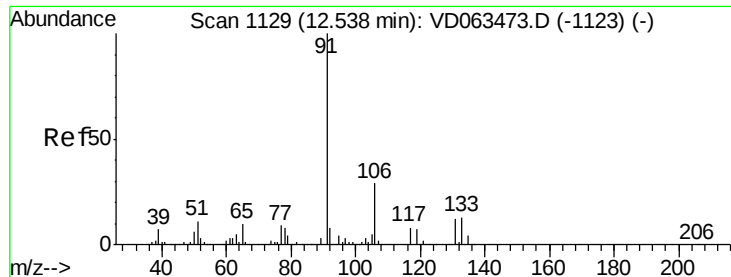


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

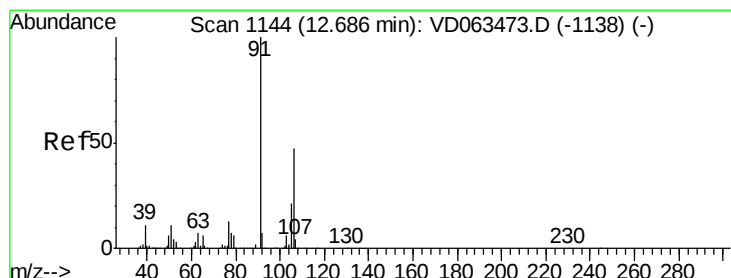
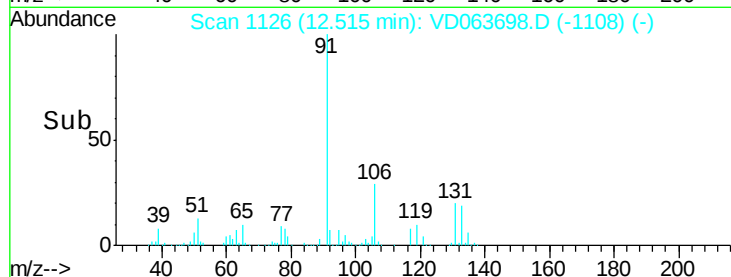
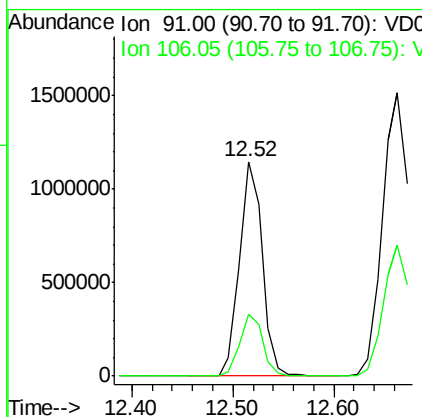
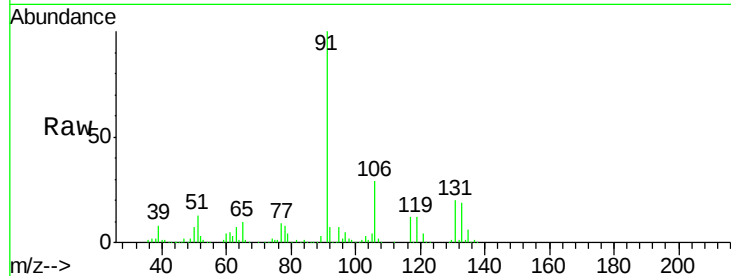




#67
Ethyl Benzene
Concen: 52.656 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

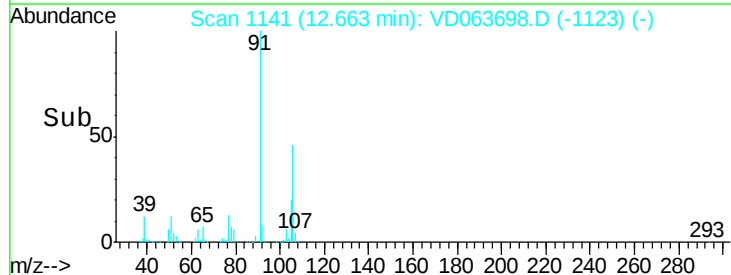
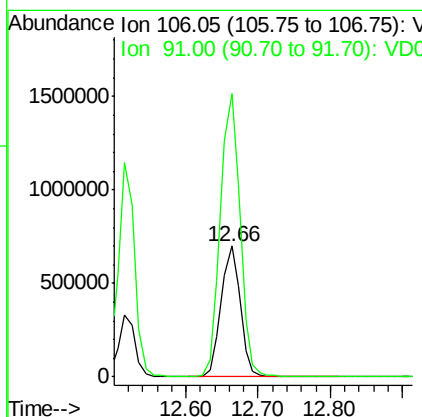
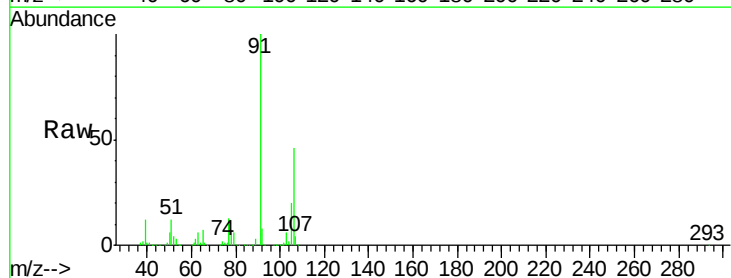
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

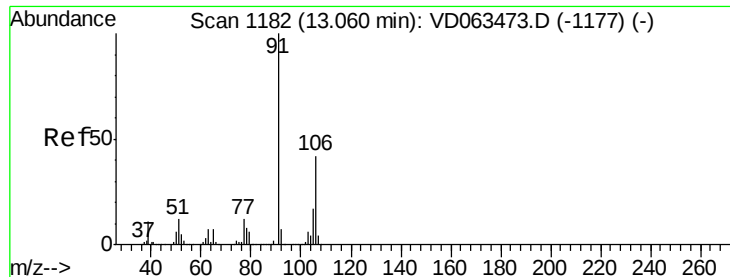
Tot Ion: 91 Resp: 1809721
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 106.785 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion: 106 Resp: 1289415
Ion Ratio Lower Upper
106 100
91 216.9 171.8 257.8

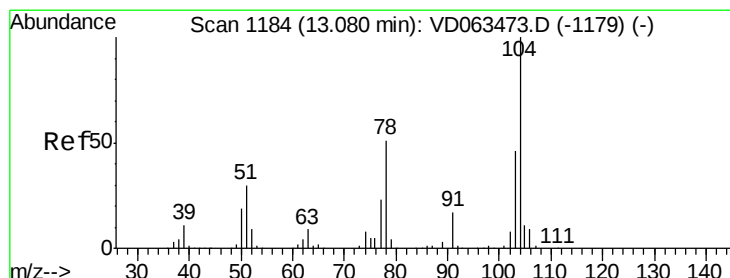
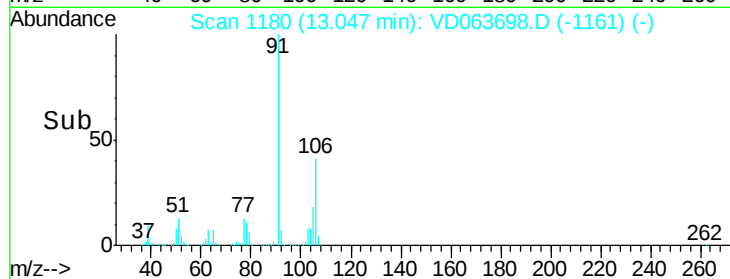
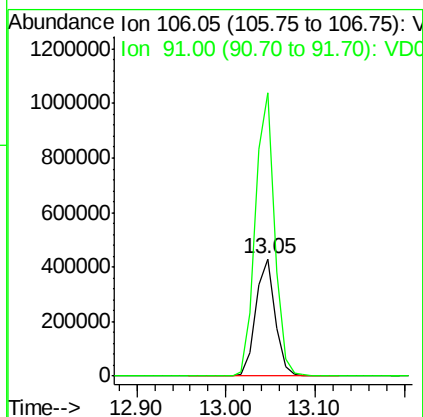
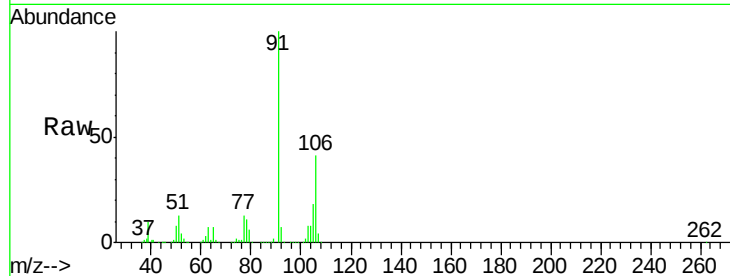




#69
o-Xylene
Concen: 54.950 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

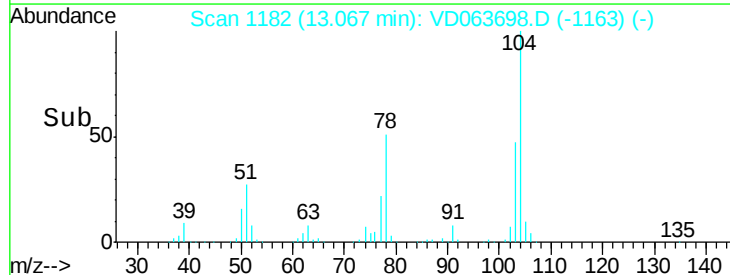
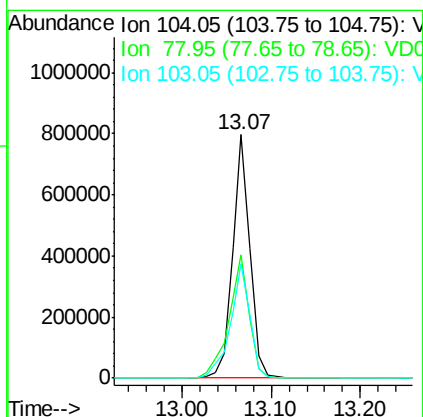
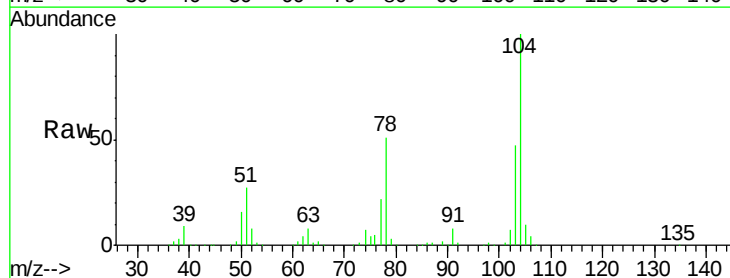
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

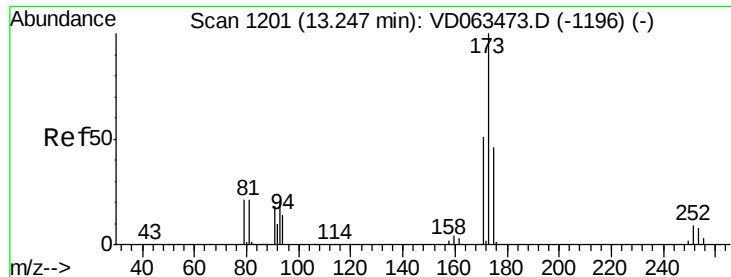
Tot Ion:106 Resp: 638609
Ion Ratio Lower Upper
106 100
91 241.8 118.1 354.2



#70
Styrene
Concen: 52.958 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion:104 Resp: 1094766
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 46.7 36.4 54.6





#71

Bromoform

Concen: 58.675 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

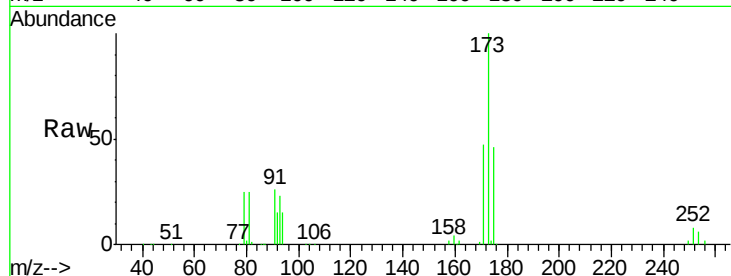
Tot Ion:173 Resp: 349989

Ion Ratio Lower Upper

173 100

175 46.4 22.8 68.3

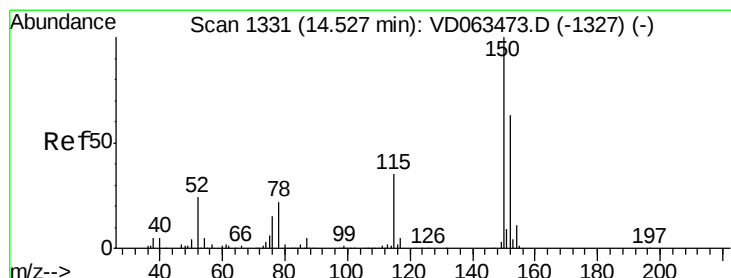
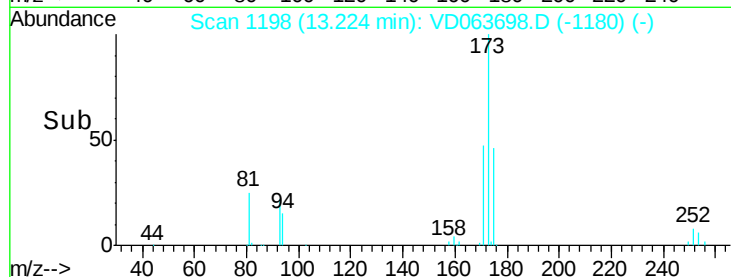
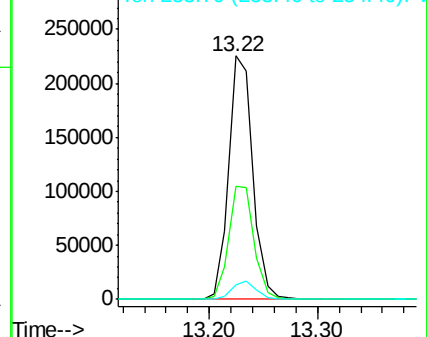
254 5.9 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

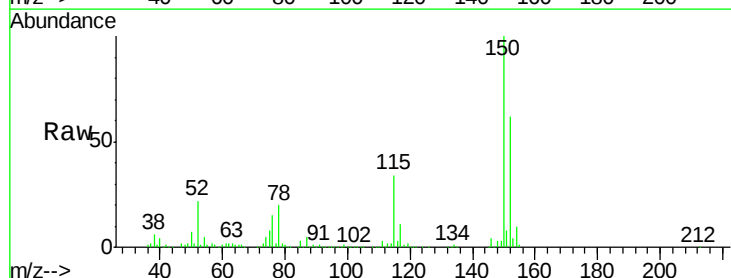
Tgt Ion:152 Resp: 543663

Ion Ratio Lower Upper

152 100

115 55.3 30.9 92.7

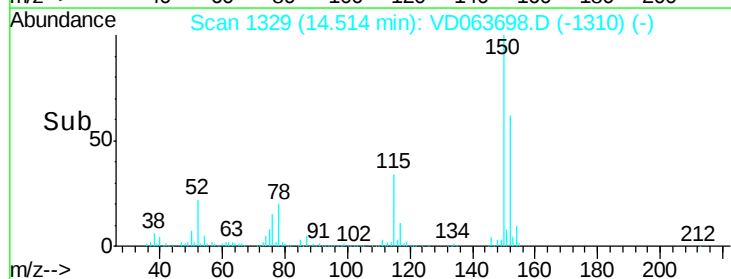
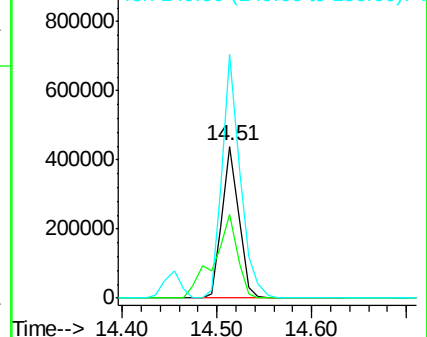
150 160.3 0.0 318.6

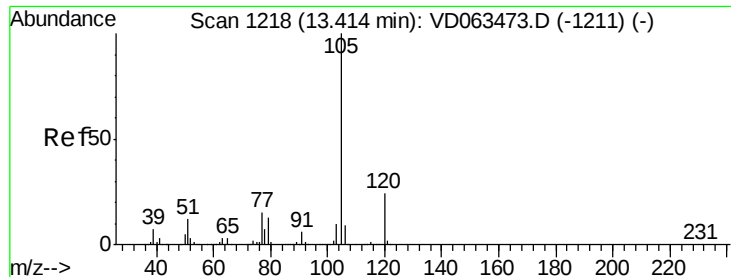


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.919 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

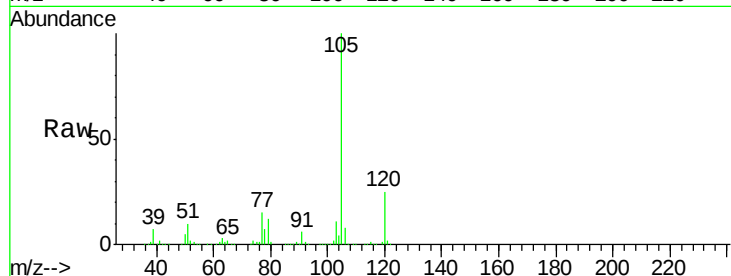
VSTDCCC050

Tot Ion:105 Resp: 1829943

Ion Ratio Lower Upper

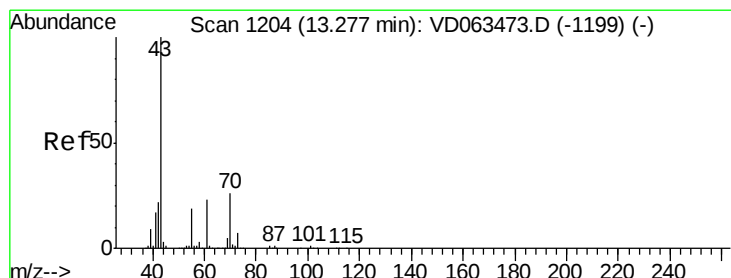
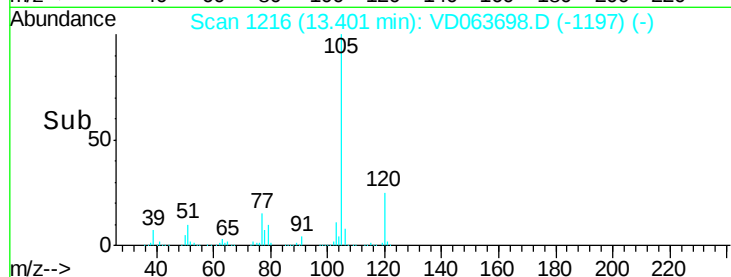
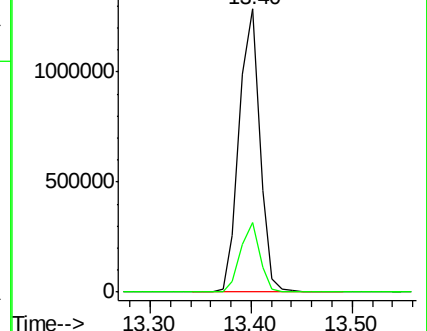
105 100

120 24.5 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.577 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Tgt Ion: 43 Resp: 508489

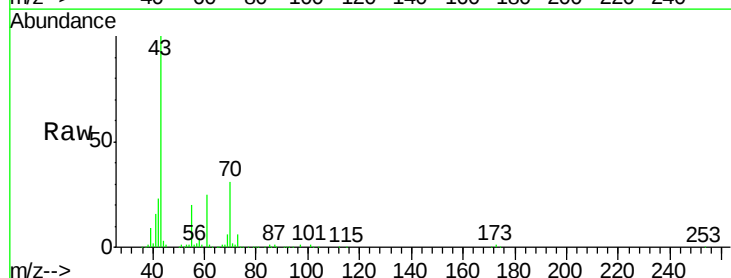
Ion Ratio Lower Upper

43 100

70 30.5 21.1 31.7

55 19.8 15.4 23.0

61 25.1 18.2 27.2

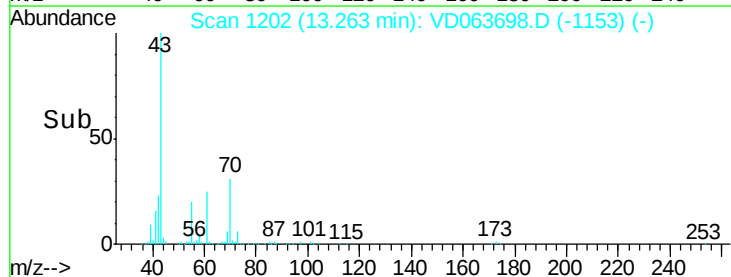
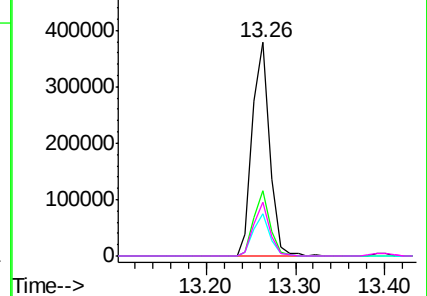


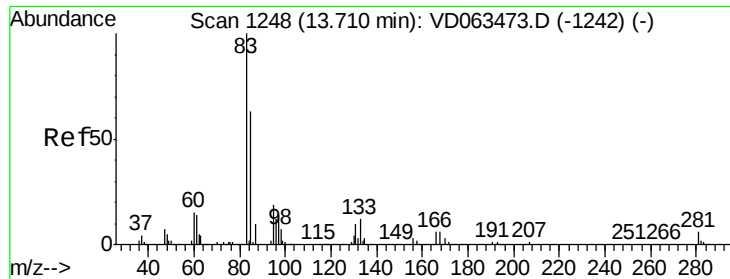
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 60.588 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

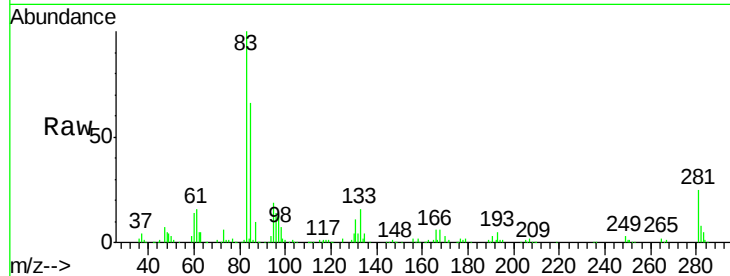
Tot Ion: 83 Resp: 347754

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

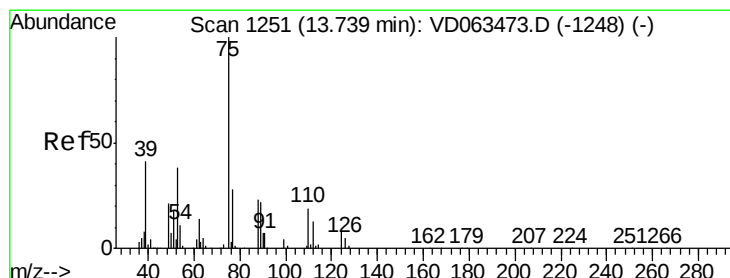
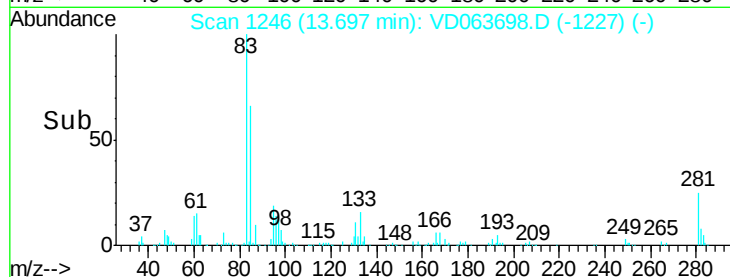
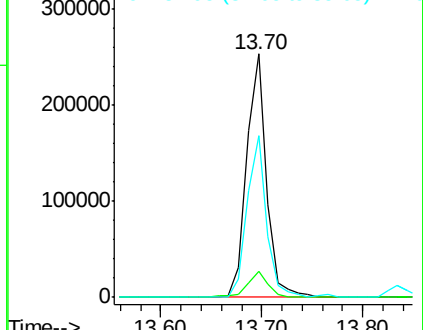
85 66.5 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 57.799 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063698.D

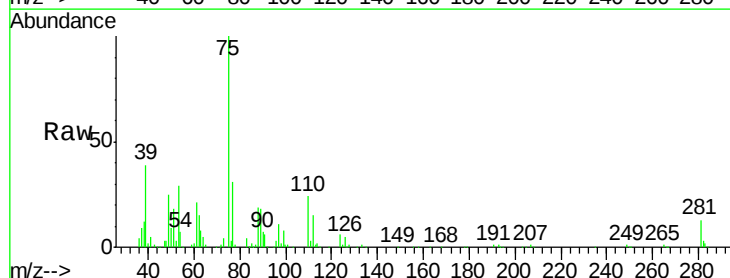
Acq: 20 Aug 2019 22:19

Tgt Ion: 75 Resp: 360636

Ion Ratio Lower Upper

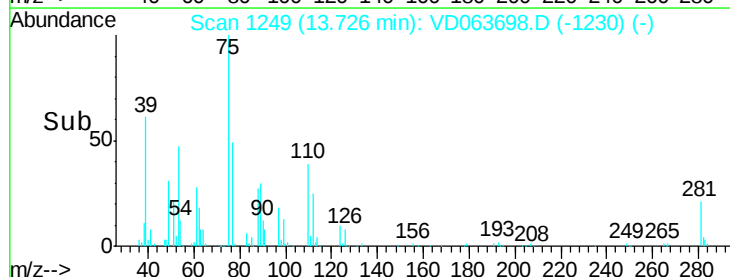
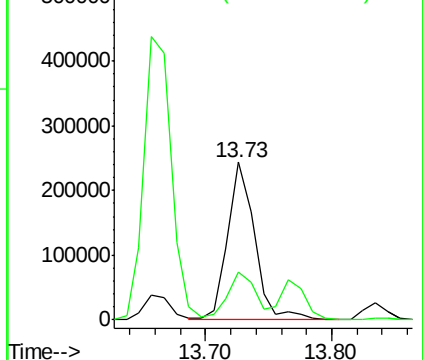
75 100

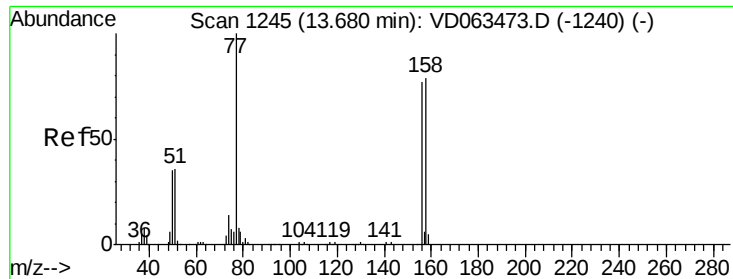
77 30.6 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.289 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

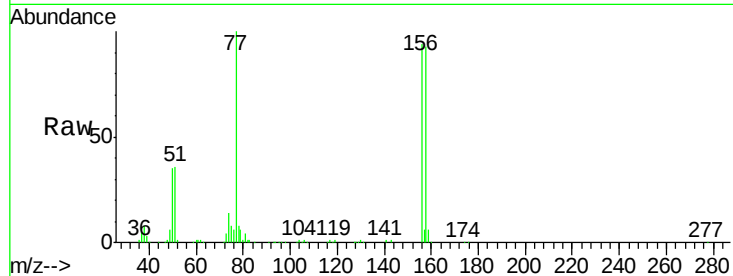
Tot Ion:156 Resp: 541430

Ion Ratio Lower Upper

156 100

77 106.1 64.6 193.8

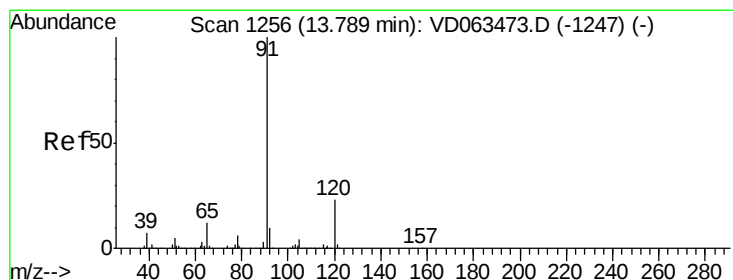
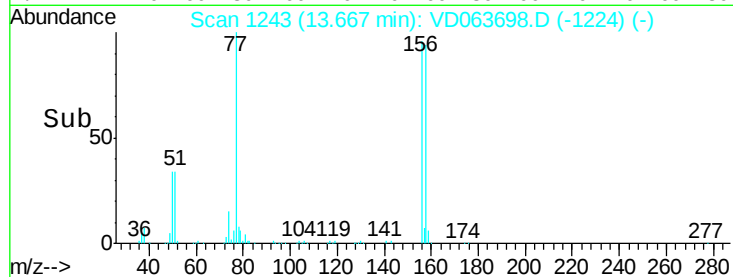
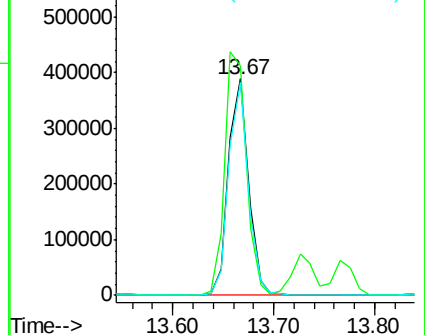
158 98.2 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.154 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD063698.D

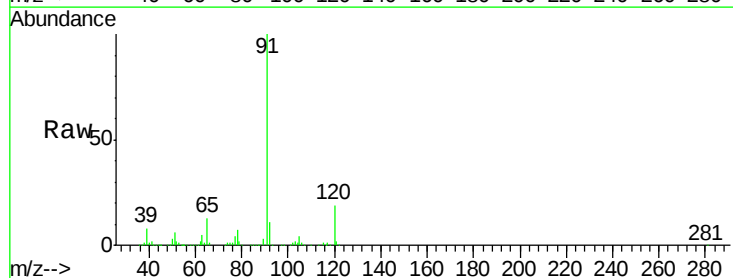
Acq: 20 Aug 2019 22:19

Tgt Ion: 91 Resp: 2191059

Ion Ratio Lower Upper

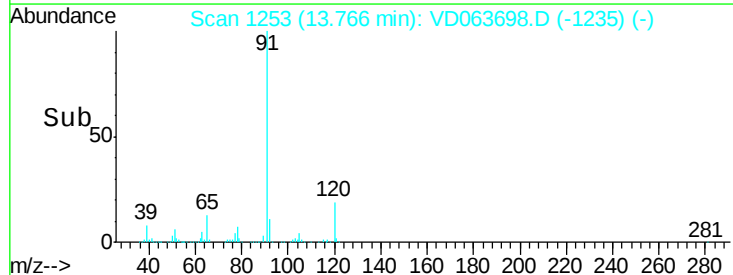
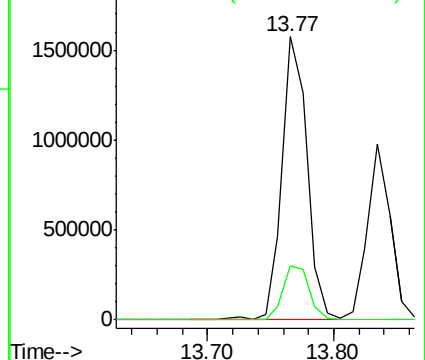
91 100

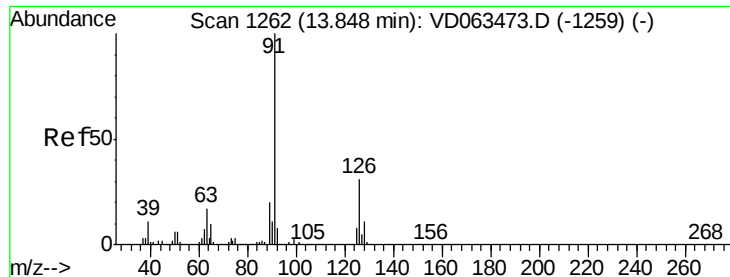
120 19.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.735 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

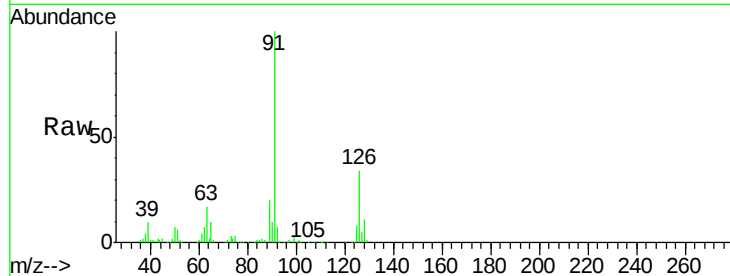
VSTDCCC050

Tot Ion: 91 Resp: 1253540

Ion Ratio Lower Upper

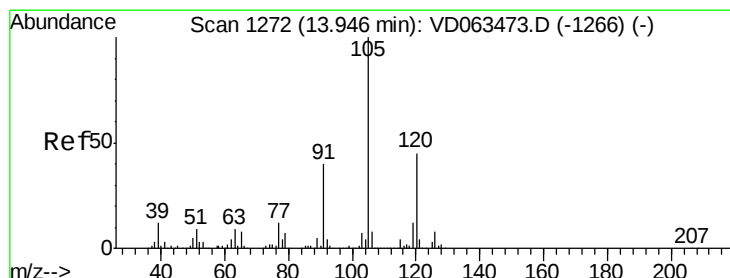
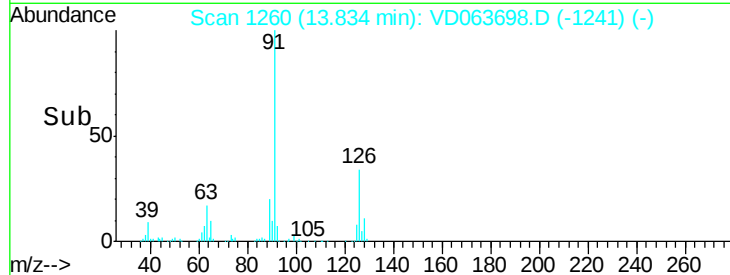
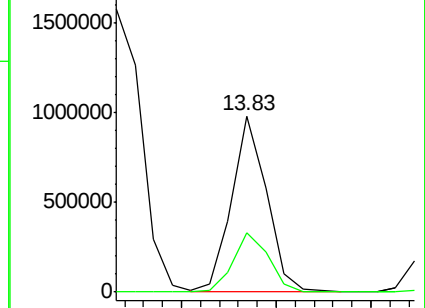
91 100

126 33.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.764 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063698.D

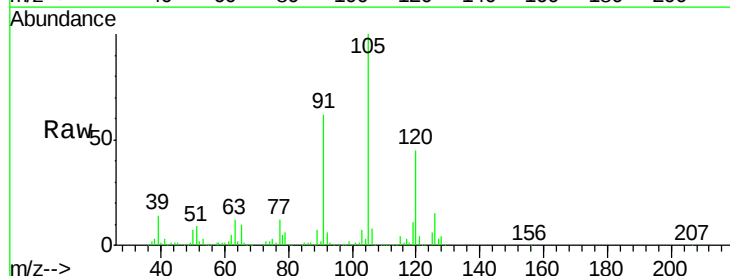
Acq: 20 Aug 2019 22:19

Tgt Ion:105 Resp: 1594215

Ion Ratio Lower Upper

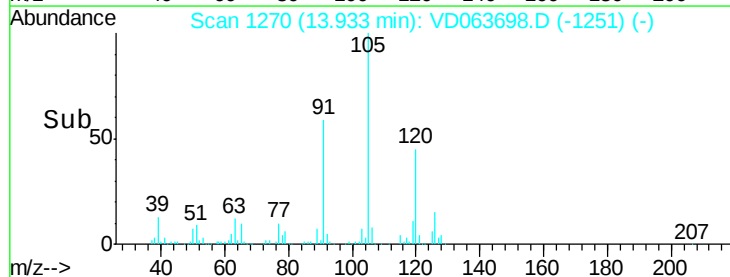
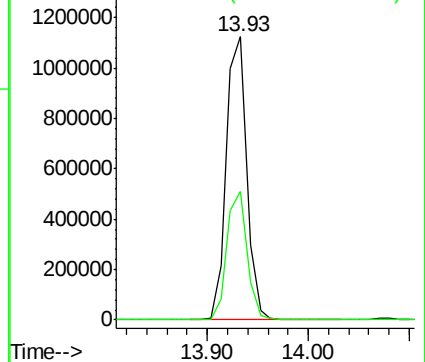
105 100

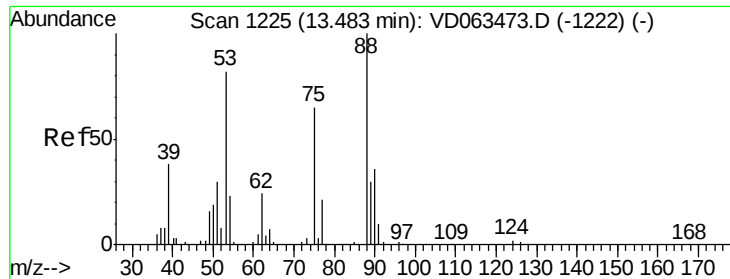
120 45.4 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.940 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

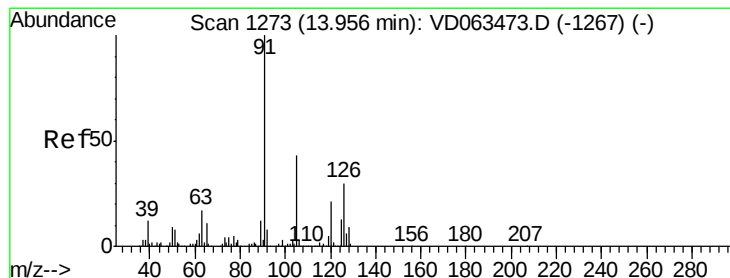
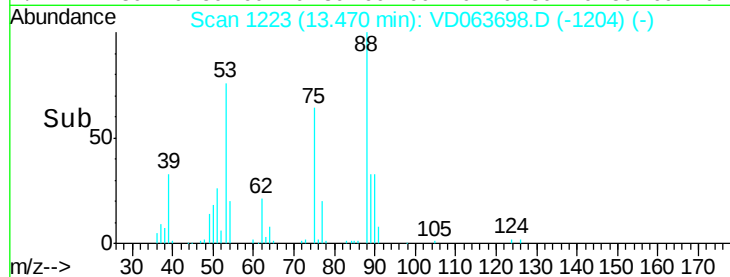
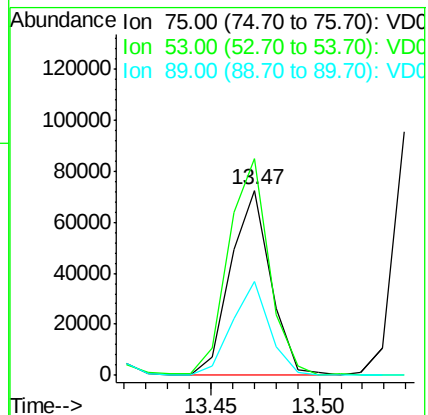
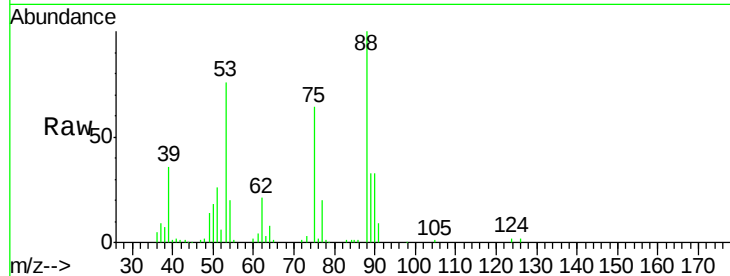
Tot Ion: 75 Resp: 93812

Ion Ratio Lower Upper

75 100

53 117.6 101.0 151.4

89 50.7 37.0 55.6



#82

4-Chlorotoluene

Concen: 55.031 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063698.D

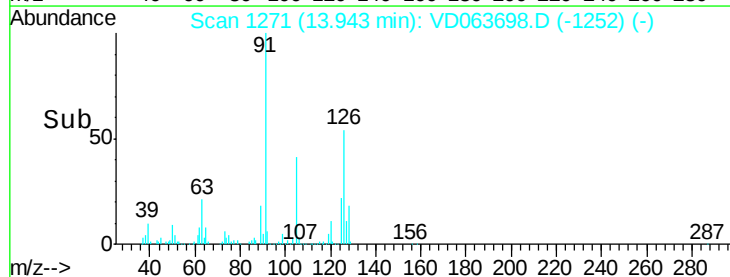
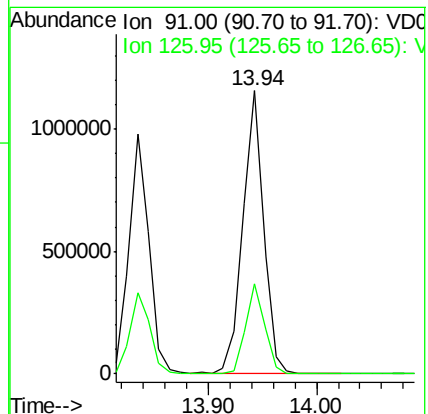
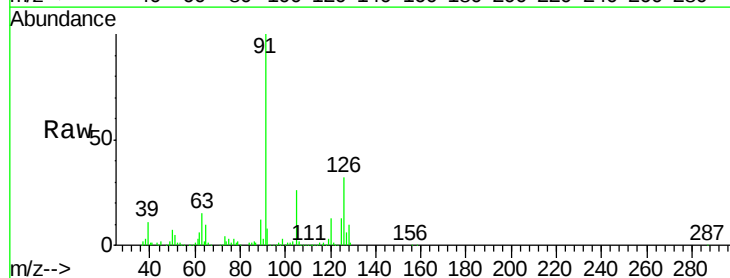
Acq: 20 Aug 2019 22:19

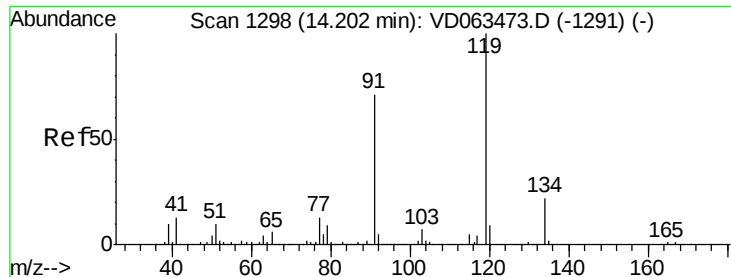
Tgt Ion: 91 Resp: 1543741

Ion Ratio Lower Upper

91 100

126 31.9 15.2 45.6





#83

tert-Butylbenzene

Concen: 54.914 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

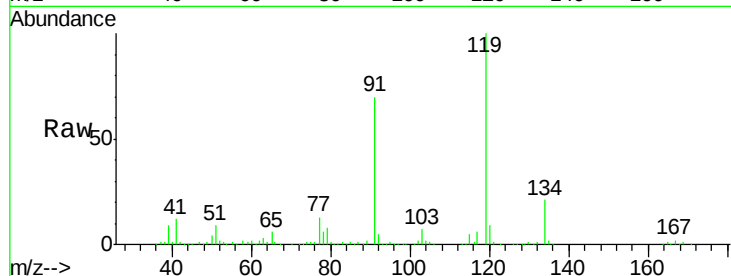
Tot Ion:119 Resp: 1747167

Ion Ratio Lower Upper

119 100

91 70.3 35.5 106.7

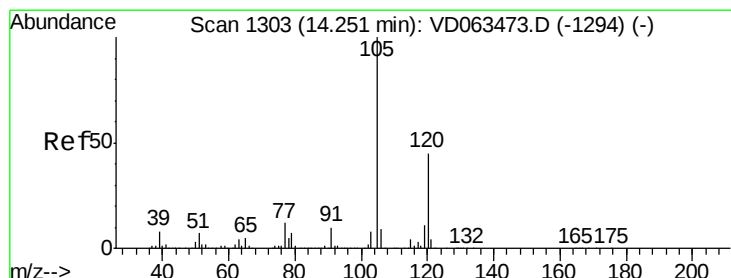
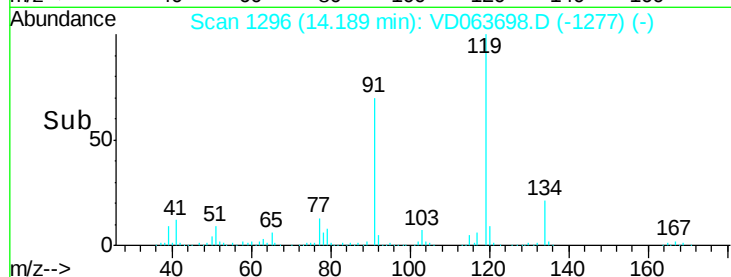
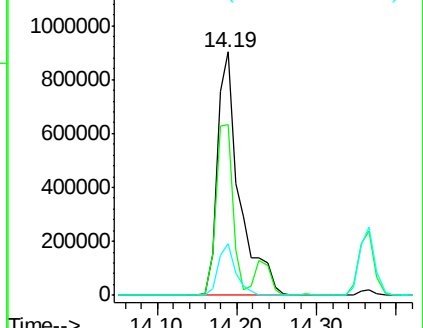
134 21.1 11.1 33.1



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: 58.870 ug/l

RT: 14.23 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD063698.D

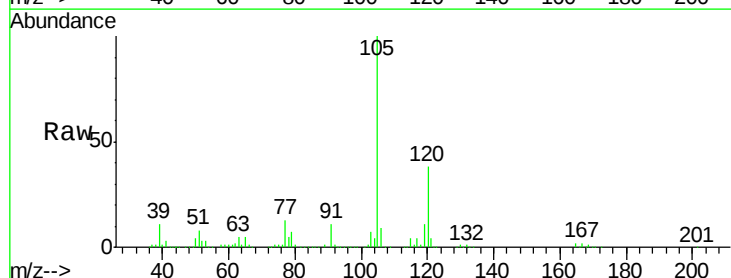
Acq: 20 Aug 2019 22:19

Tgt Ion:105 Resp: 1645764

Ion Ratio Lower Upper

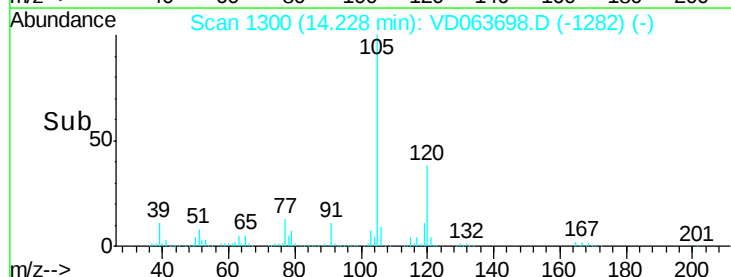
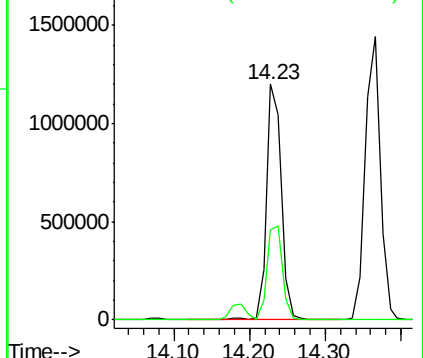
105 100

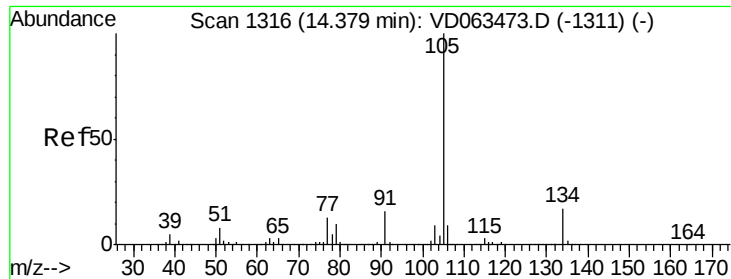
120 38.4 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

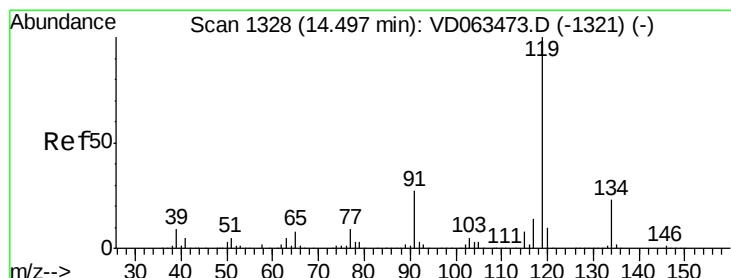
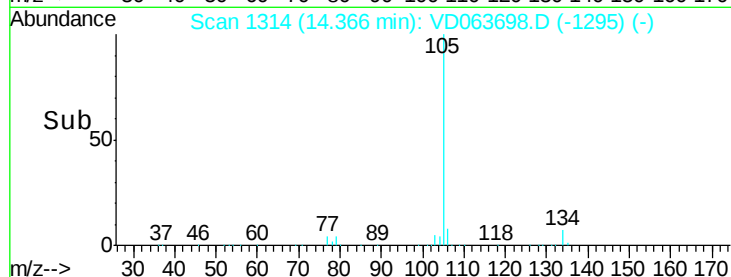
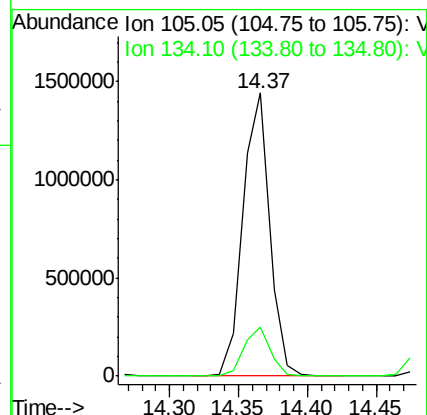
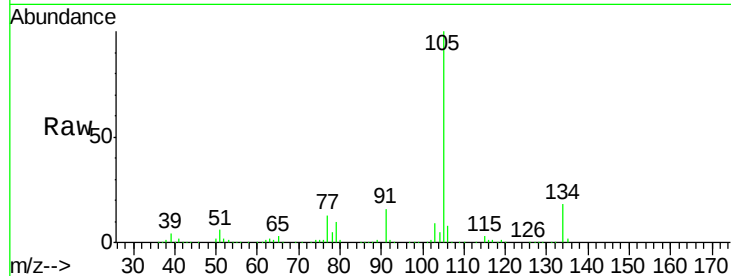




#85
 sec-Butylbenzene
 Concen: 57.877 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

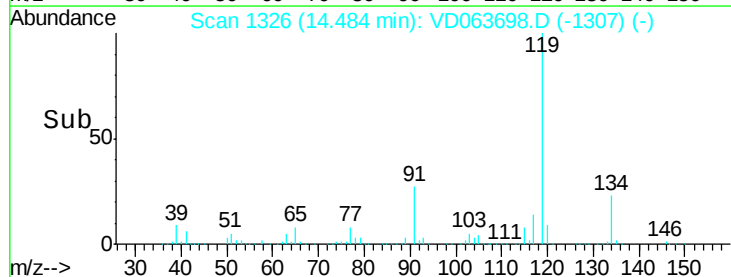
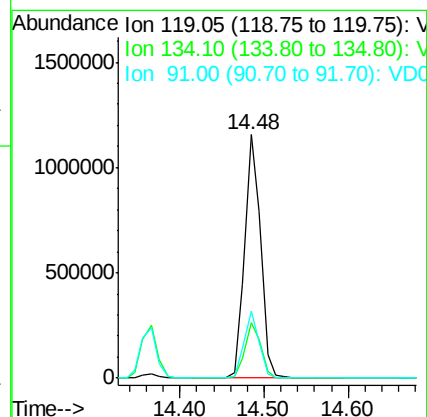
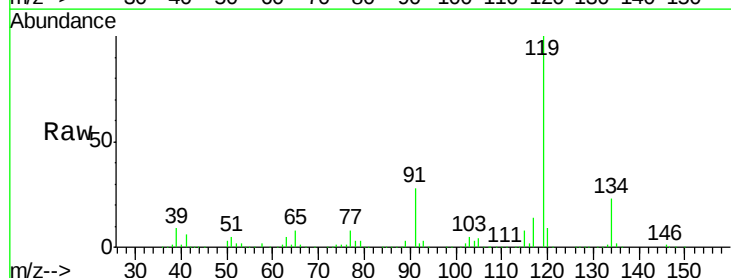
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

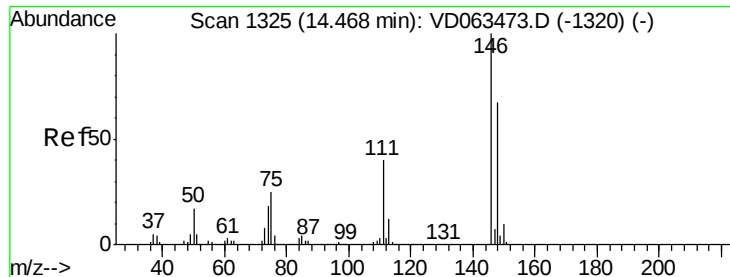
Tot Ion:105 Resp: 1955553
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 47.026 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion:119 Resp: 1519234
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.3 33.8
 91 27.7 13.5 40.4

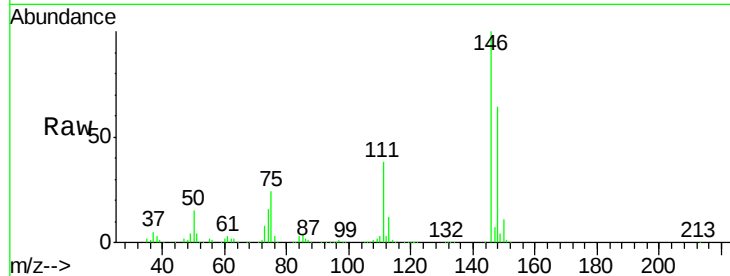




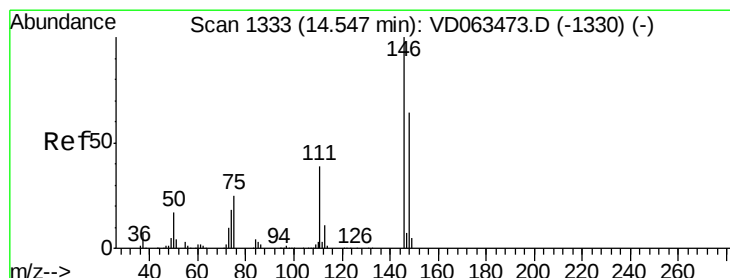
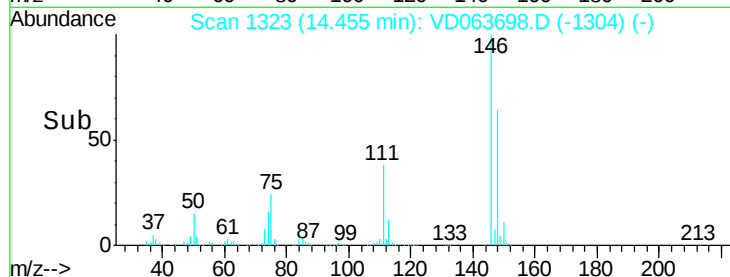
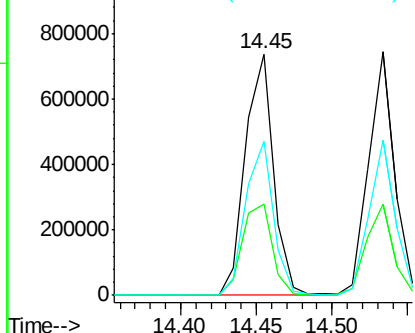
#87
 1,3-Dichlorobenzene
 Concen: 56.096 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 958951
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 60.0
 148 63.6 33.6 100.6

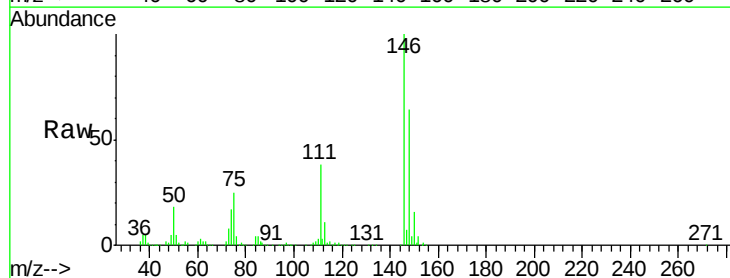


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

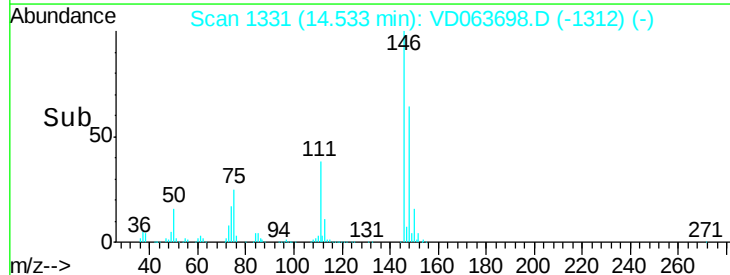
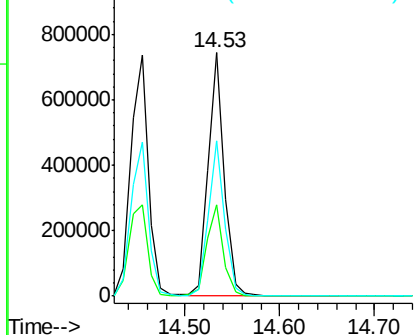


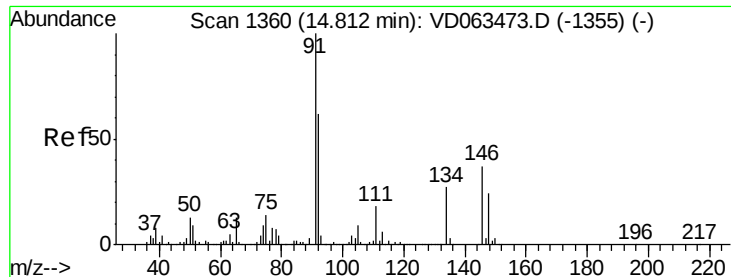
#88
 1,4-Dichlorobenzene
 Concen: 54.338 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion:146 Resp: 891203
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.7 59.0
 148 63.9 32.1 96.3



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





#89

n-Butylbenzene

Concen: 55.481 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VD063698.D

Acq: 20 Aug 2019 22:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

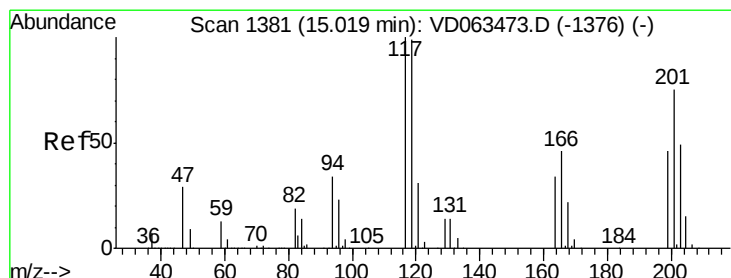
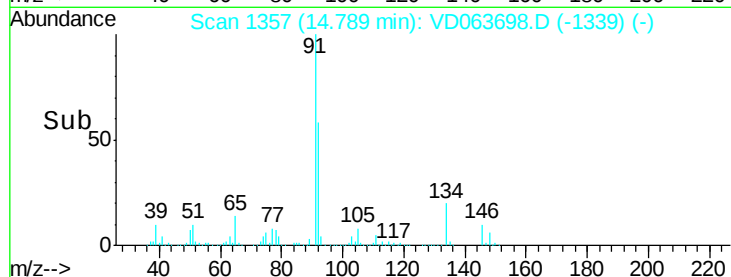
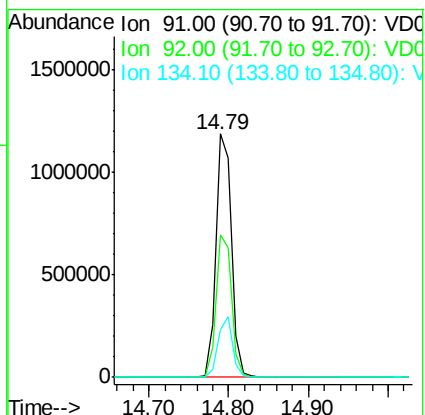
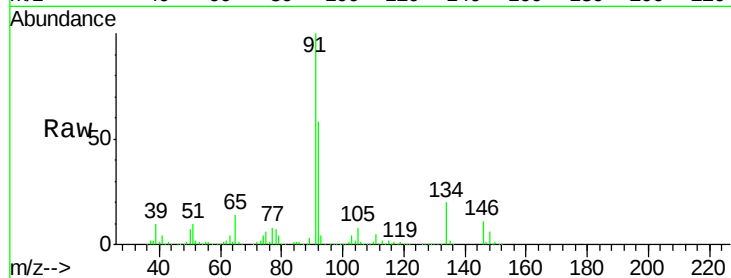
Tot Ion: 91 Resp: 1635889

Ion Ratio Lower Upper

91 100

92 58.3 30.8 92.3

134 19.7 13.4 40.2



#90

Hexachloroethane

Concen: 60.253 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063698.D

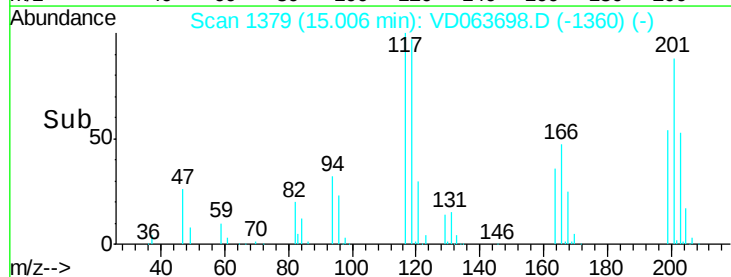
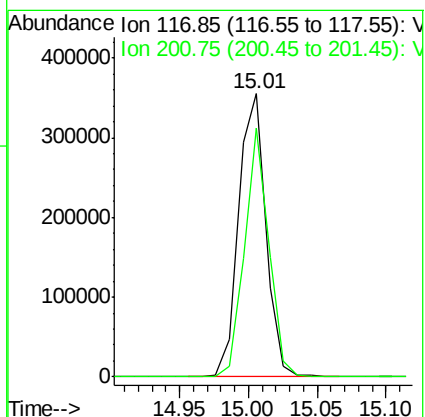
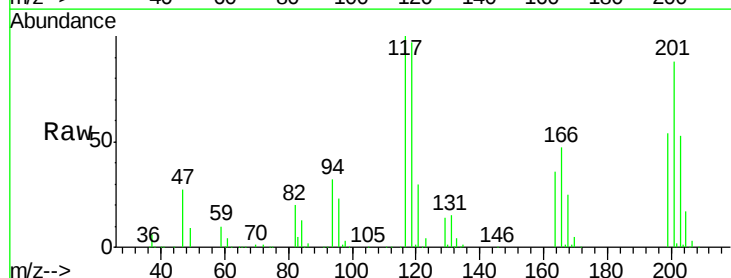
Acq: 20 Aug 2019 22:19

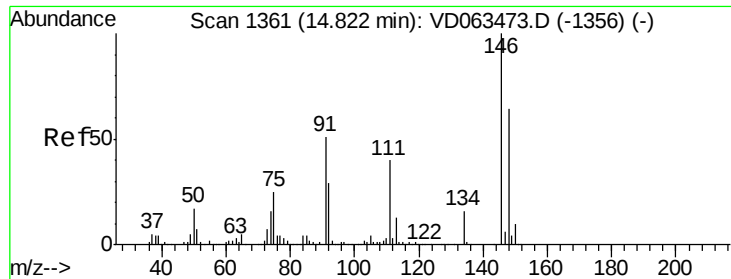
Tgt Ion: 117 Resp: 489260

Ion Ratio Lower Upper

117 100

201 87.9 37.5 112.5

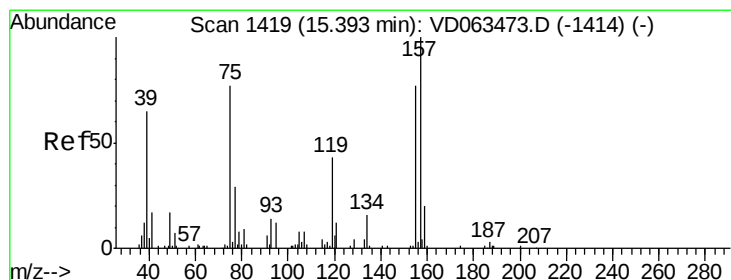
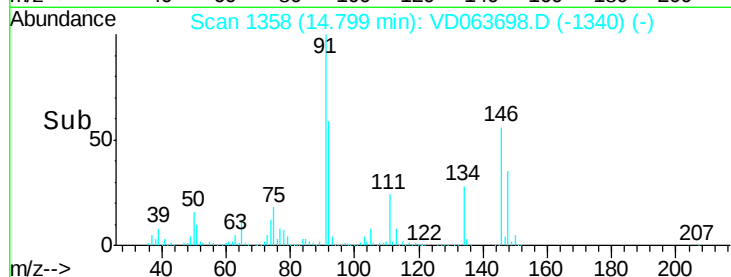
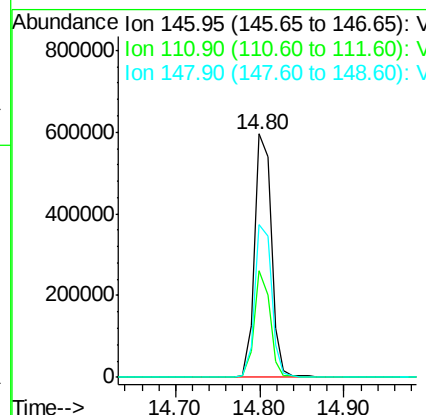
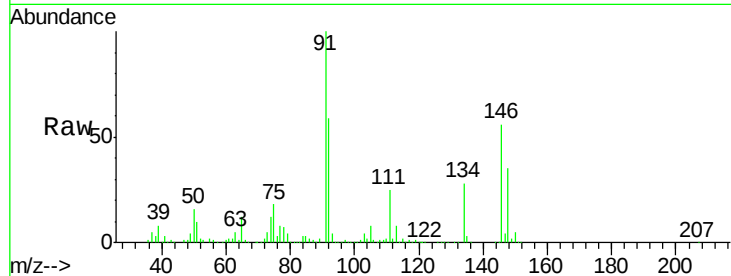




#91
 1,2-Dichlorobenzene
 Concen: 57.669 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

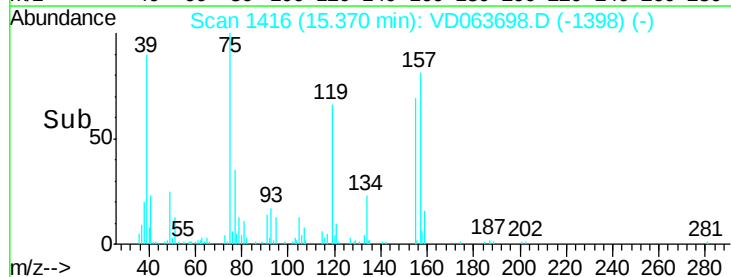
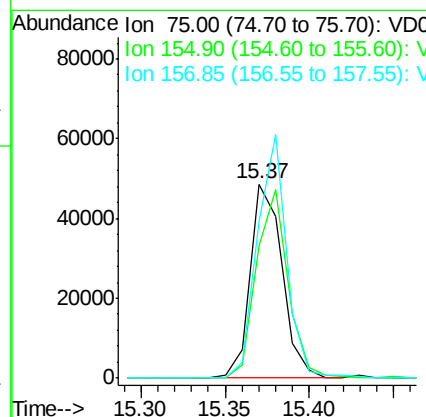
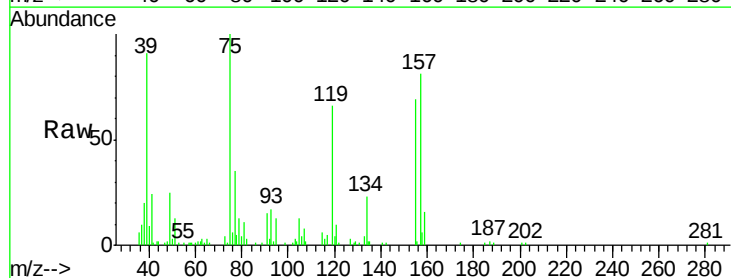
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

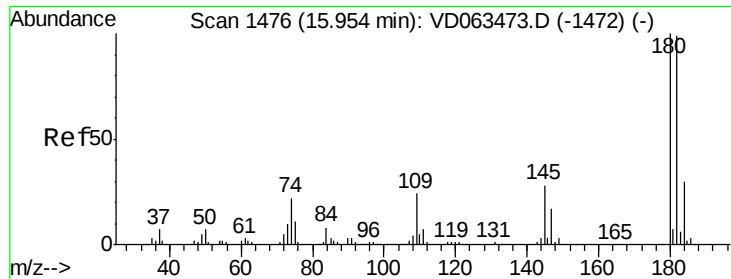
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.2	60.6
148	62.7	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.878 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	50.1	150.3
157	80.6	65.0	195.1

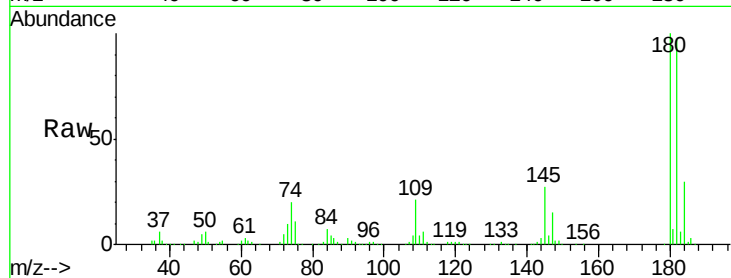




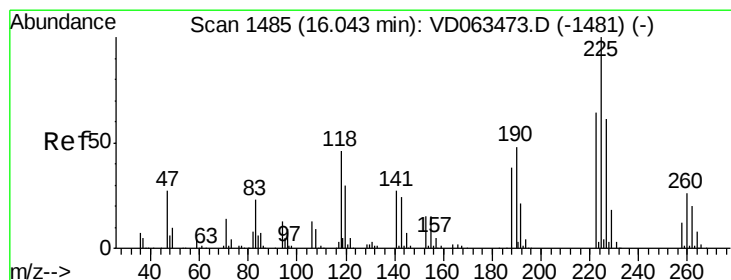
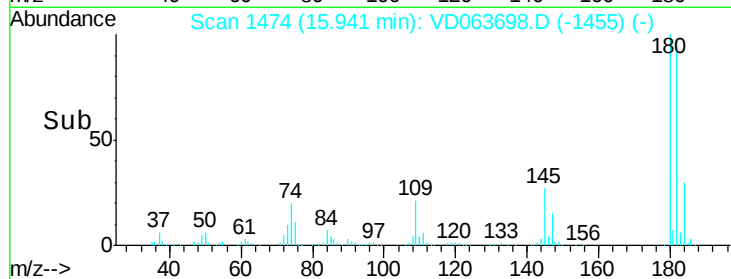
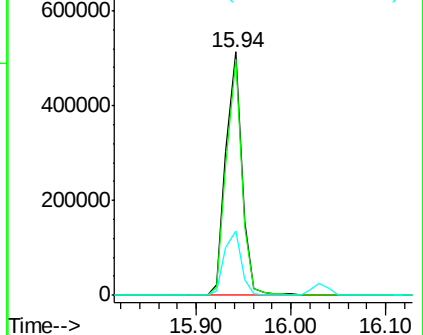
#93
 1,2,4-Trichlorobenzene
 Concen: 57.032 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 608656
 Ion Ratio Lower Upper
 180 100
 182 97.0 49.7 149.1
 145 26.6 14.1 42.2

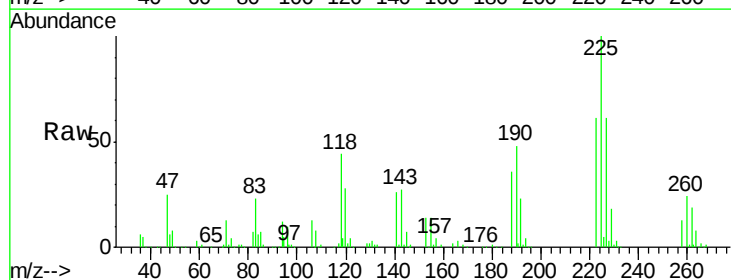


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

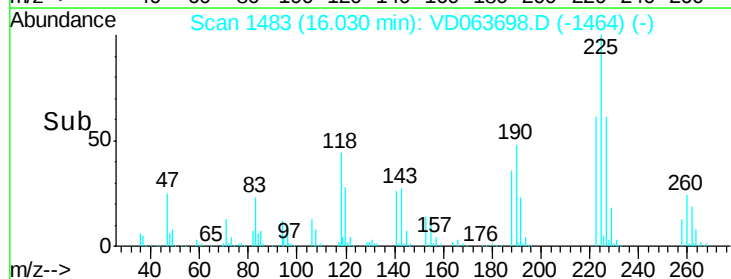
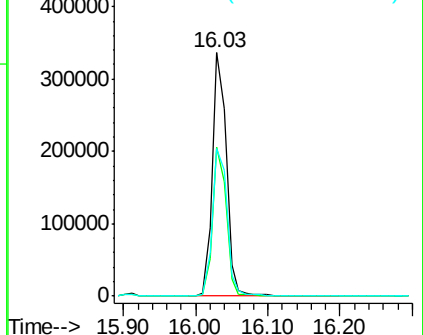


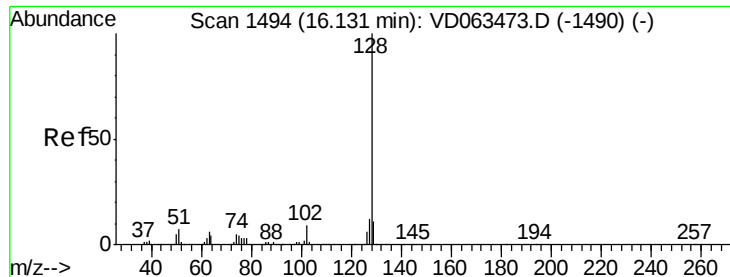
#94
 Hexachlorobutadiene
 Concen: 55.323 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063698.D
 Acq: 20 Aug 2019 22:19

Tgt Ion:225 Resp: 449975
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.9 95.5
 227 60.8 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

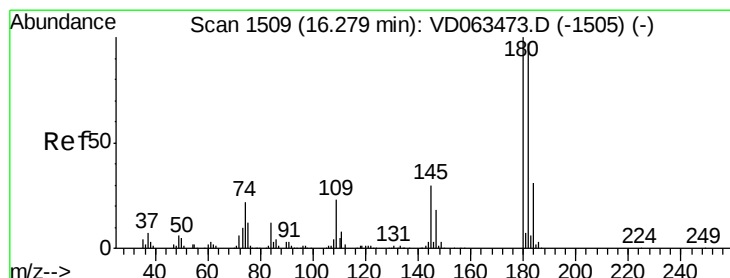
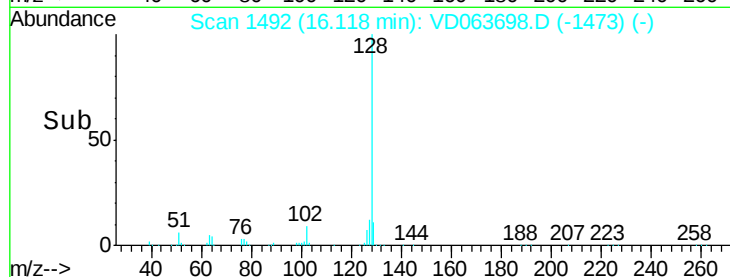
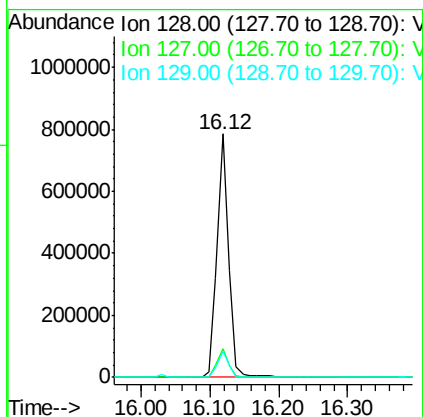
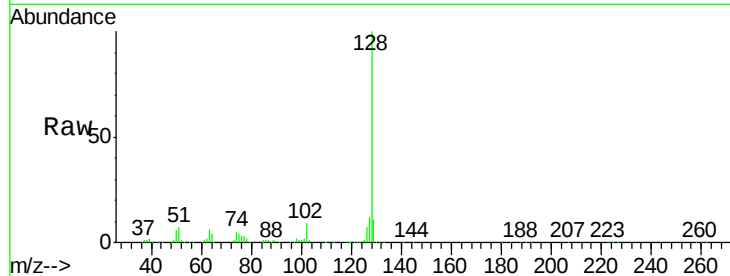




#95
Naphthalene
Concen: 56.412 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 912392
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 60.404 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063698.D
Acq: 20 Aug 2019 22:19

Tgt Ion:180 Resp: 520666
Ion Ratio Lower Upper
180 100
182 98.7 48.4 145.2
145 29.6 14.9 44.9

