

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063701.D
 Acq On : 21 Aug 2019 00:37
 Operator : JC/SY
 Sample : VD0820SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Quant Time: Aug 21 03:54:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	849941	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1300849	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1090936	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	572752	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	486081	53.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	6.91	113	548911	50.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.40	98	1203463	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	13.55	95	520528	47.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	211991	20.616	ug/l	97
3) Chloromethane	1.74	50	184000	22.903	ug/l	91
4) Vinyl Chloride	1.84	62	171772	21.537	ug/l	92
5) Bromomethane	2.13	94	76882	20.430	ug/l	89
6) Chloroethane	2.25	64	77134	21.149	ug/l	96
7) Trichlorofluoromethane	2.51	101	354868	22.684	ug/l	92
8) Diethyl Ether	2.86	74	51091	23.131	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	191346	20.714	ug/l #	86
10) Methyl Iodide	3.28	142	264232	20.217	ug/l #	97
11) Tert butyl alcohol	4.07	59	50196	126.919	ug/l	96
12) 1,1-Dichloroethene	3.11	96	146078	21.270	ug/l	84
13) Acrolein	3.02	56	27065	69.523	ug/l	97
14) Allyl chloride	3.60	41	229988	22.276	ug/l	95
15) Acrylonitrile	4.18	53	119473	114.047	ug/l	93
16) Acetone	3.22	43	175344	94.942	ug/l	95
17) Carbon Disulfide	3.35	76	447657	20.653	ug/l	100
18) Methyl Acetate	3.63	43	95888	27.411	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	322257	23.462	ug/l	100
20) Methylene Chloride	3.80	84	181296	22.702	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	165878	22.952	ug/l	100
22) Diisopropyl ether	5.12	45	500552	23.495	ug/l #	92
23) Vinyl Acetate	5.04	43	1385038	111.827	ug/l	99
24) 1,1-Dichloroethane	4.97	63	306738	23.213	ug/l	99
25) 2-Butanone	6.07	43	193525	106.099	ug/l	96
26) 2,2-Dichloropropane	6.00	77	269782	20.498	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	182313	23.057	ug/l	92
28) Bromochloromethane	6.42	49	113882	21.265	ug/l	99
29) Tetrahydrofuran	6.45	42	98878	116.335	ug/l	100
30) Chloroform	6.65	83	396973	24.169	ug/l	97
31) Cyclohexane	6.94	56	166470	20.293	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	361642	23.018	ug/l	93
36) 1,1-Dichloropropene	7.13	75	240520	20.915	ug/l	99
37) Ethyl Acetate	6.17	43	112401	23.326	ug/l #	94
38) Carbon Tetrachloride	7.09	117	334761	19.315	ug/l	94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	193983	19.837	ug/l	98
40) Benzene	7.45	78	503593	19.899	ug/l	95
41) Methacrylonitrile	6.43	41	132084	21.770	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	276286	21.712	ug/l	99
43) Isopropyl Acetate	9.23	43	140040	21.699	ug/l #	95
44) Trichloroethene	8.53	130	198188	20.489	ug/l	98
45) 1,2-Dichloropropane	8.93	63	120365	20.424	ug/l	95
46) Dibromomethane	9.05	93	107588	21.377	ug/l	85
47) Bromodichloromethane	9.37	83	275218	21.319	ug/l	100
48) Methyl methacrylate	9.11	41	97067	22.177	ug/l	94
49) 1,4-Dioxane	9.07	88	18300	481.369	ug/l #	81
51) 4-Methyl-2-Pentanone	10.29	43	477551	108.136	ug/l	96
52) Toluene	10.50	92	365688	22.435	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	218746	20.762	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	248601	20.926	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	120268	21.843	ug/l	90
56) Ethyl methacrylate	11.03	69	116022	19.414	ug/l	93
57) 1,3-Dichloropropane	11.40	76	173201	20.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	314496	99.679	ug/l	97
59) 2-Hexanone	11.52	43	350194	108.981	ug/l	92
60) Dibromochloromethane	11.67	129	218170	21.775	ug/l	96
61) 1,2-Dibromoethane	11.80	107	137465	20.623	ug/l	89
64) Tetrachloroethene	11.25	164	182899	21.717	ug/l	93
65) Chlorobenzene	12.39	112	411184	20.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	192182	21.357	ug/l	95
67) Ethyl Benzene	12.52	91	745184	20.960	ug/l	98
68) m/p-Xylenes	12.67	106	527570	42.238	ug/l	91
69) o-Xylene	13.04	106	258001	21.461	ug/l	98
70) Styrene	13.07	104	422454	19.756	ug/l	98
71) Bromoform	13.23	173	136667	22.149	ug/l #	94
73) Isopropylbenzene	13.39	105	796138	21.854	ug/l	96
74) N-amyl acetate	13.26	43	183421	20.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	129132	21.356	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	141482	21.524	ug/l	97
77) Bromobenzene	13.66	156	200322	20.120	ug/l	97
78) n-propylbenzene	13.77	91	913565	21.433	ug/l	96
79) 2-Chlorotoluene	13.84	91	519475	21.137	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	635357	19.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	34832	19.716	ug/l	89
82) 4-Chlorotoluene	13.95	91	626488	21.199	ug/l	95
83) tert-Butylbenzene	14.18	119	712470	21.256	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	635994	21.595	ug/l	91
85) sec-Butylbenzene	14.36	105	792704	22.269	ug/l	97
86) p-Isopropyltoluene	14.49	119	691293	20.311	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	367912	20.429	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	363054	21.012	ug/l	96
89) n-Butylbenzene	14.79	91	651946	20.988	ug/l	92
90) Hexachloroethane	15.00	117	185789	21.718	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	342256	22.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24573	21.583	ug/l	65

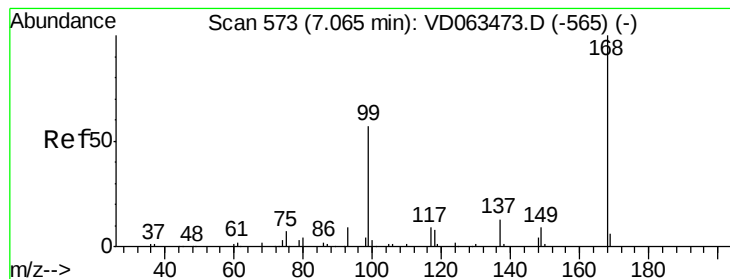
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
Data File : VD063701.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	254374	22.625	ug/l	92
94) Hexachlorobutadiene	16.03	225	170383	19.884	ug/l	94
95) Naphthalene	16.12	128	363121	21.311	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	209335	23.052	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

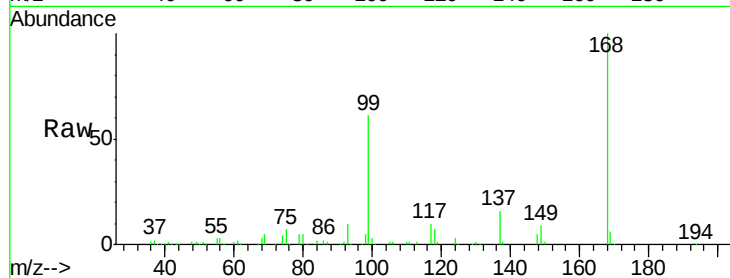
VD0820SBSD02

Tot Ion:168 Resp: 849941

Ion Ratio Lower Upper

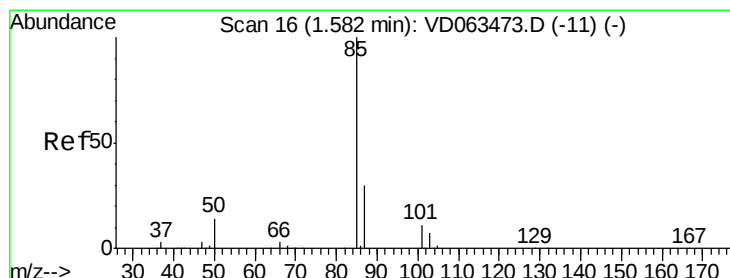
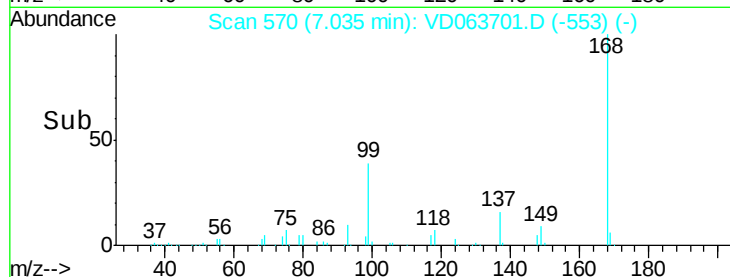
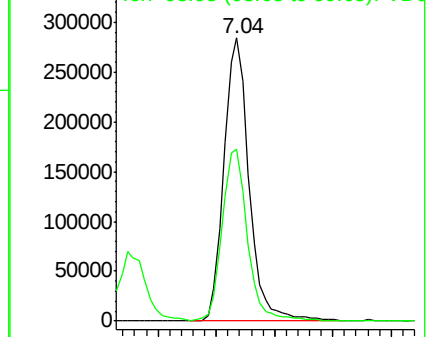
168 100

99 60.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.616 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063701.D

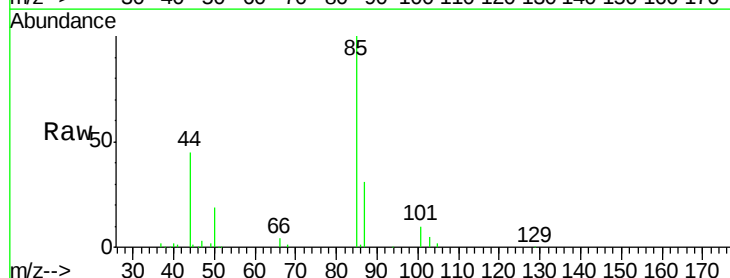
Acq: 21 Aug 2019 00:37

Tgt Ion: 85 Resp: 211991

Ion Ratio Lower Upper

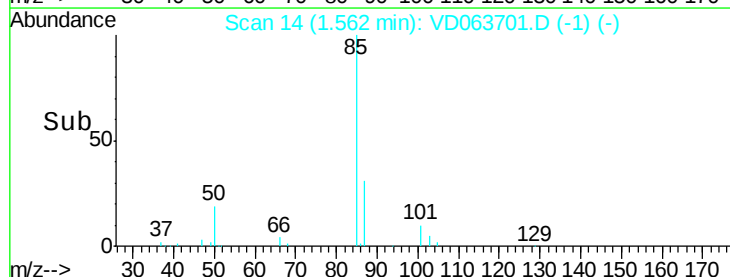
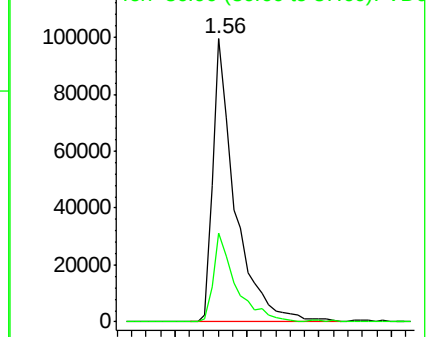
85 100

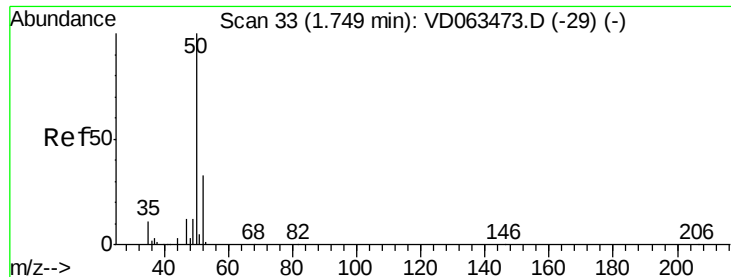
87 31.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.903 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

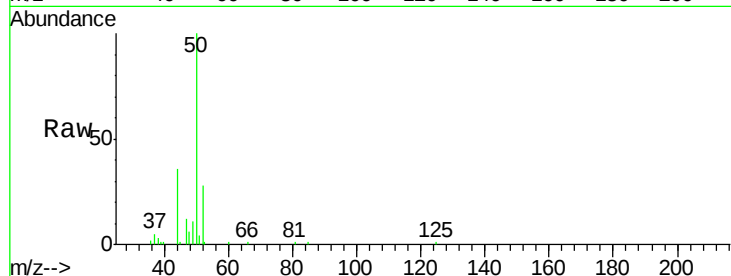
VD0820SBS02

Tot Ion: 50 Resp: 184000

Ion Ratio Lower Upper

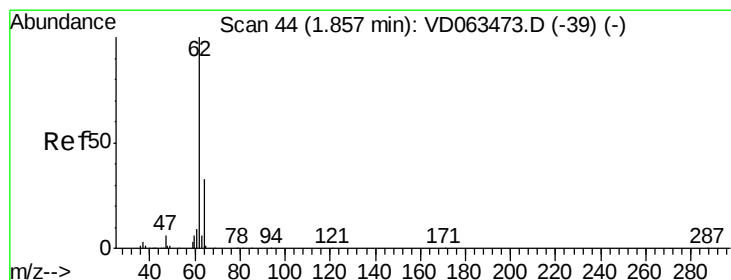
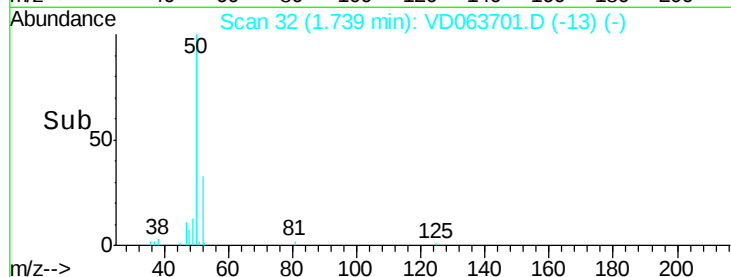
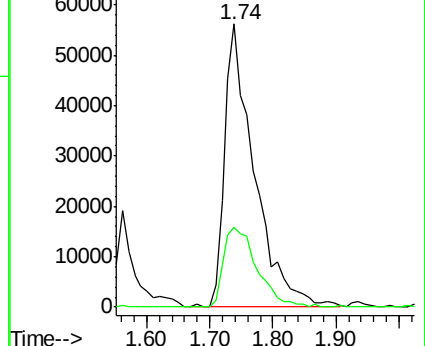
50 100

52 28.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.537 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063701.D

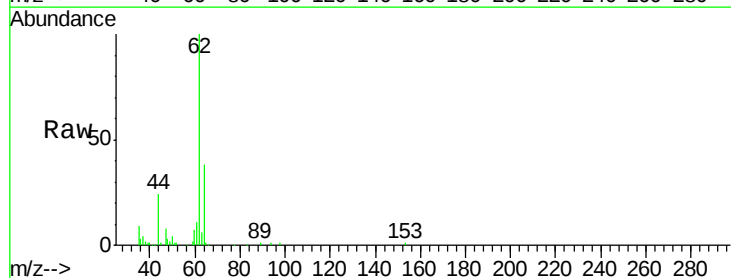
Acq: 21 Aug 2019 00:37

Tgt Ion: 62 Resp: 171772

Ion Ratio Lower Upper

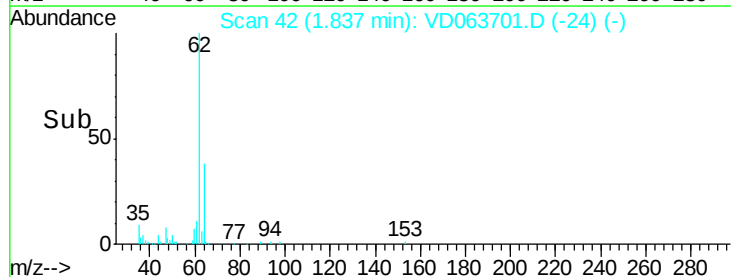
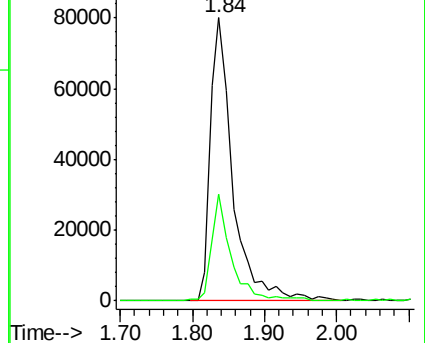
62 100

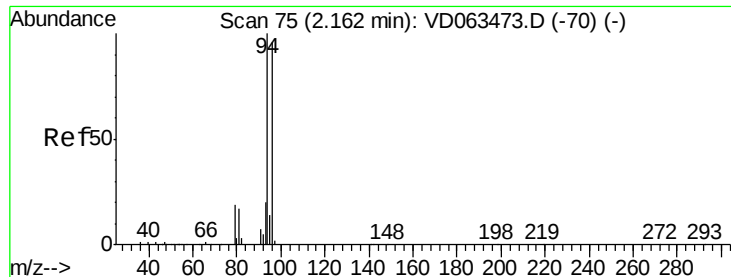
64 37.7 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.430 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

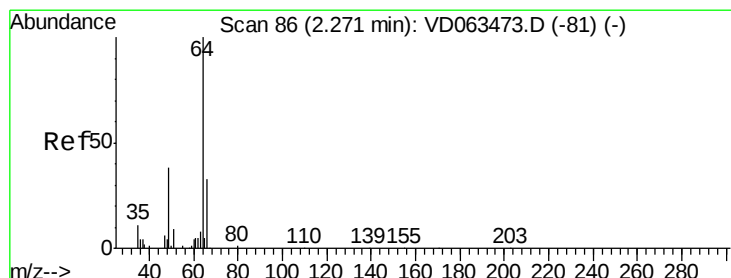
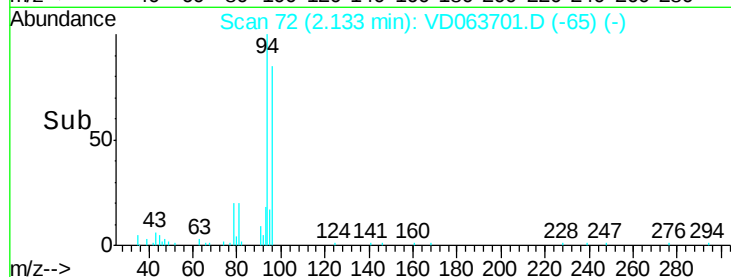
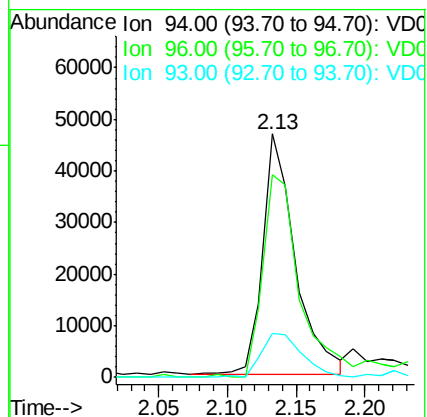
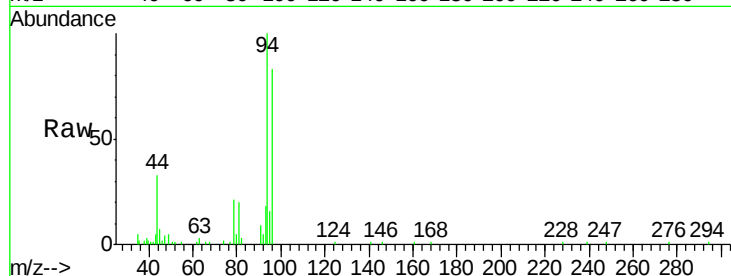
Tot Ion: 94 Resp: 76882

Ion Ratio Lower Upper

94 100

96 83.5 76.5 114.7

93 17.9 15.8 23.8



#6

Chloroethane

Concen: 21.149 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063701.D

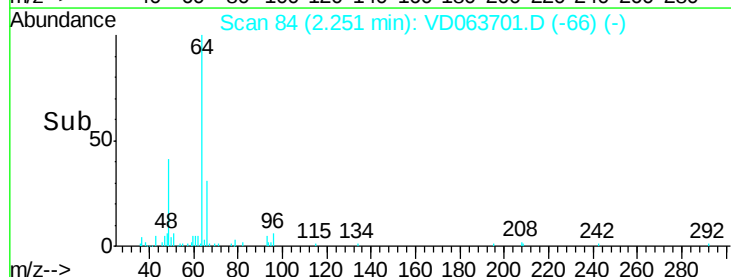
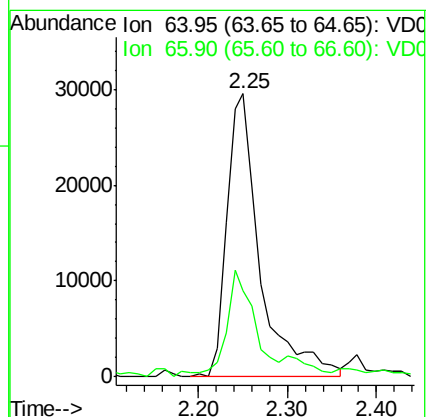
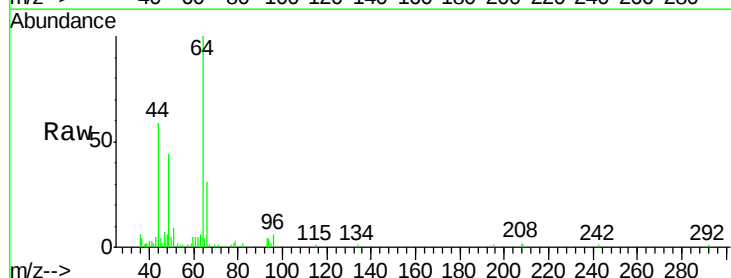
Acq: 21 Aug 2019 00:37

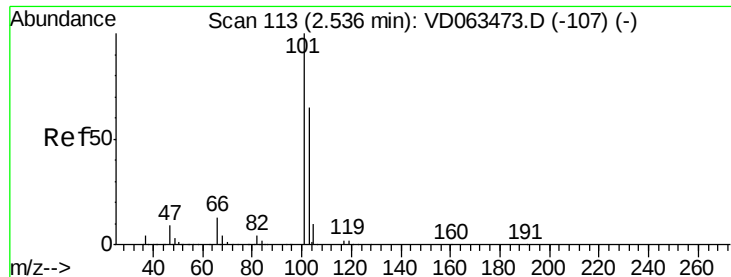
Tgt Ion: 64 Resp: 77134

Ion Ratio Lower Upper

64 100

66 30.7 26.3 39.5



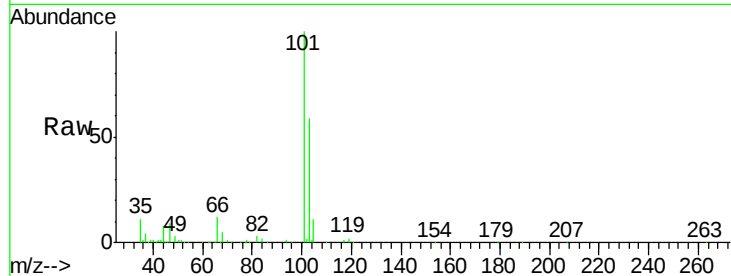


#7

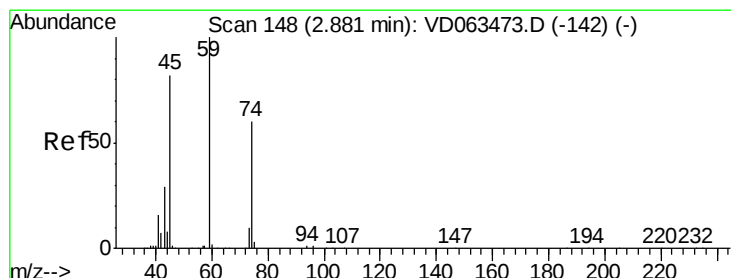
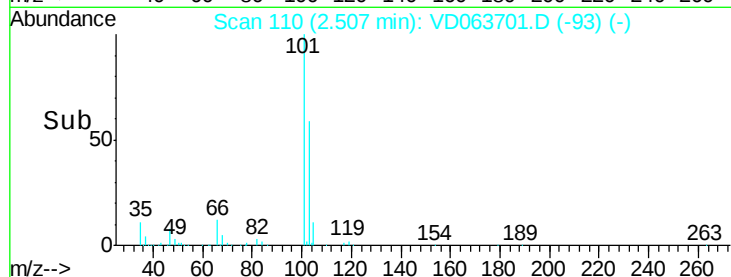
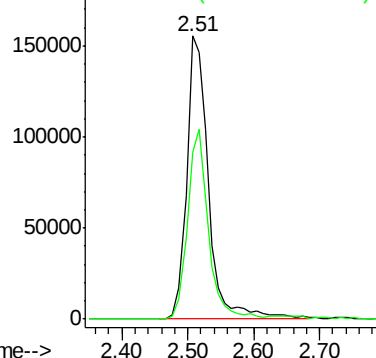
Trichlorofluoromethane
 Concen: 22.684 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

Tot Ion:101 Resp: 354868
 Ion Ratio Lower Upper
 101 100
 103 58.8 52.2 78.4



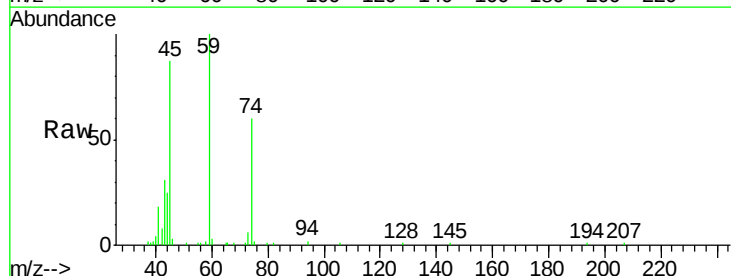
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



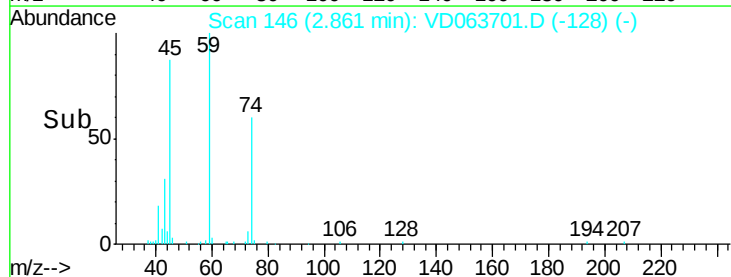
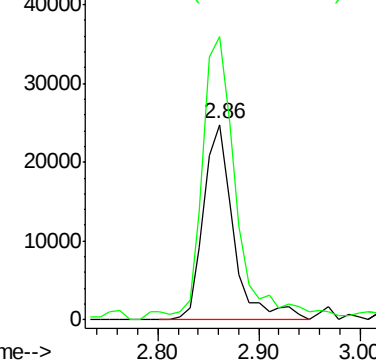
#8

Diethyl Ether
 Concen: 23.131 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion: 74 Resp: 51091
 Ion Ratio Lower Upper
 74 100
 45 144.8 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

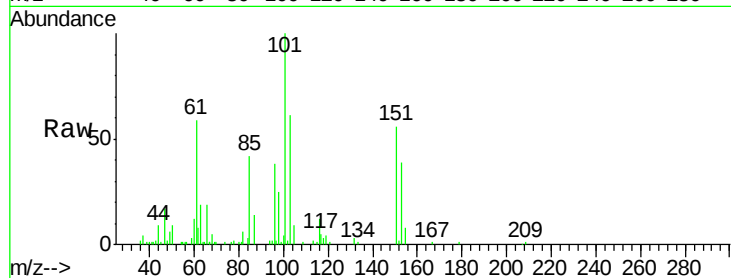
Tot Ion:101 Resp: 191346

Ion Ratio Lower Upper

101 100

85 42.1 35.8 53.6

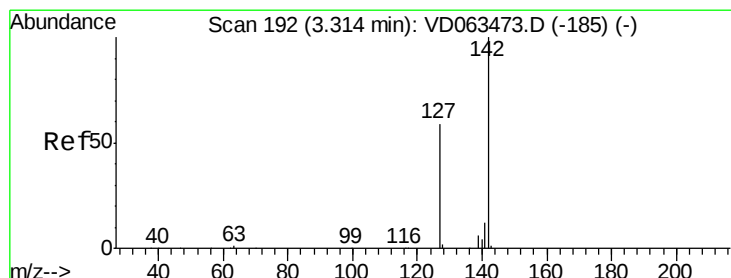
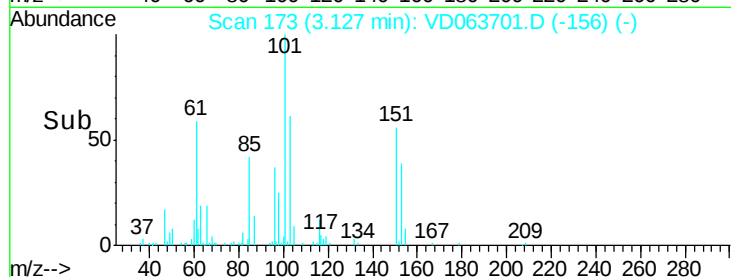
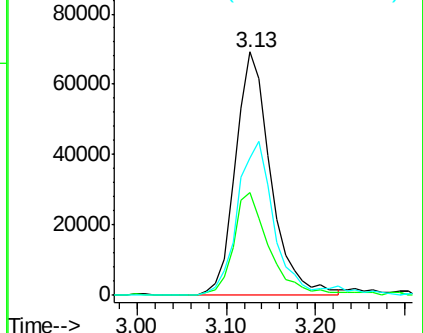
151 56.2 58.6 88.0#



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: 20.217 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

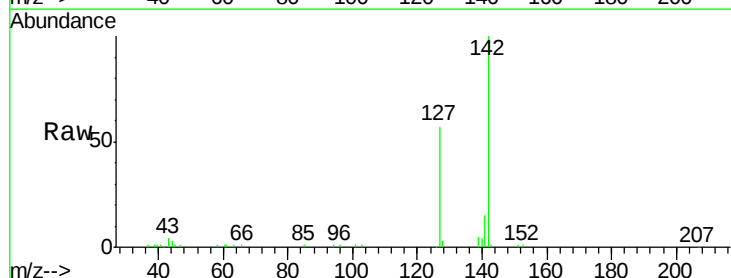
Tgt Ion:142 Resp: 264232

Ion Ratio Lower Upper

142 100

127 56.9 47.2 70.8

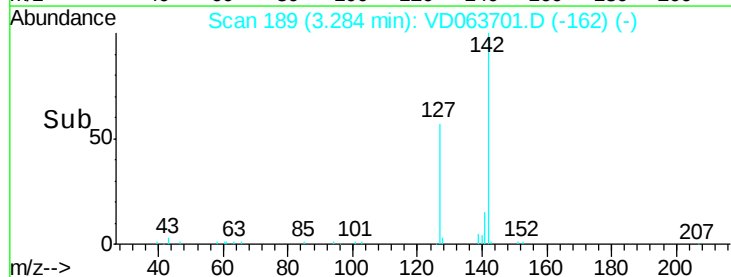
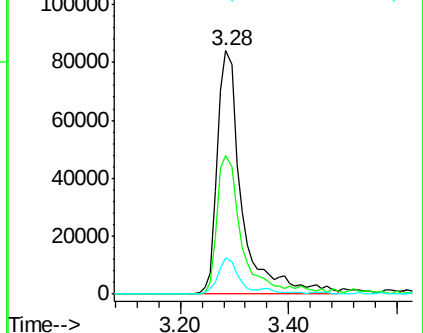
141 14.8 9.8 14.8#

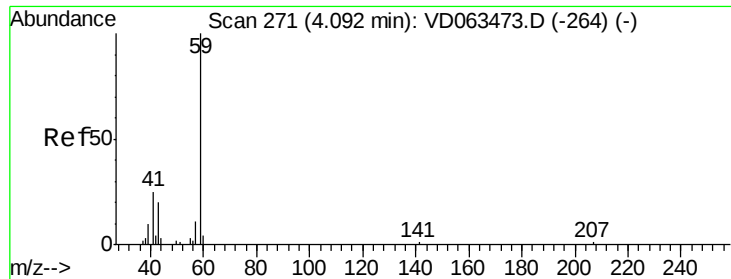


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

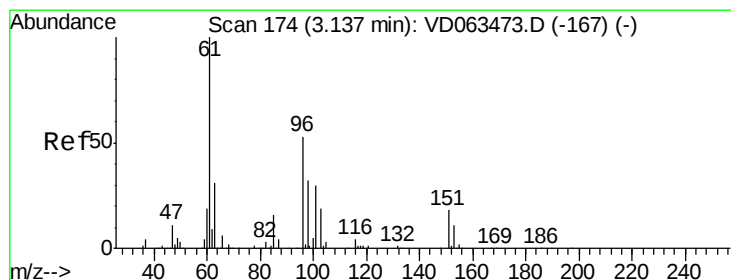
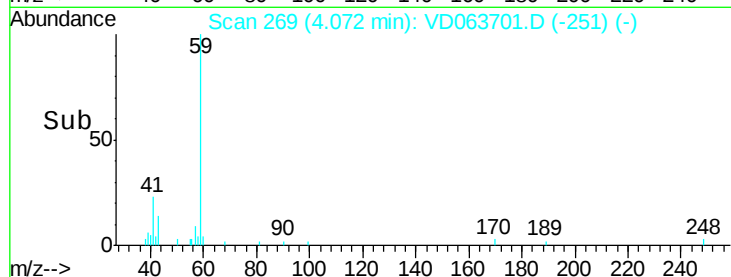
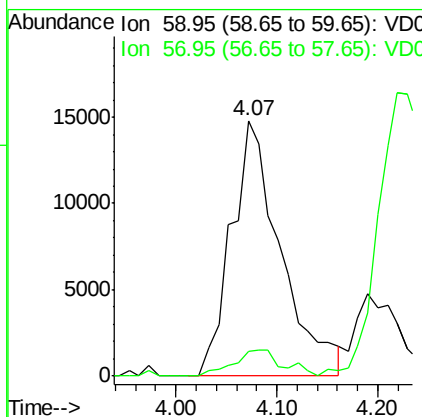
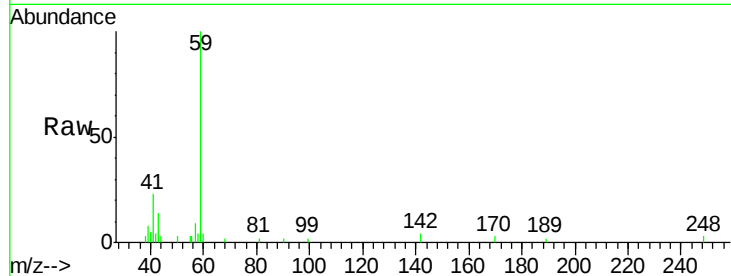




#11
Tert butyl alcohol
Concen: 126.919 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

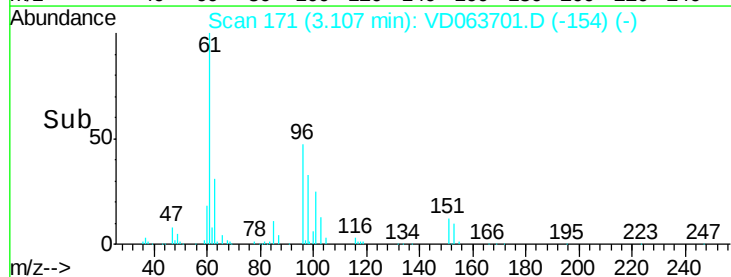
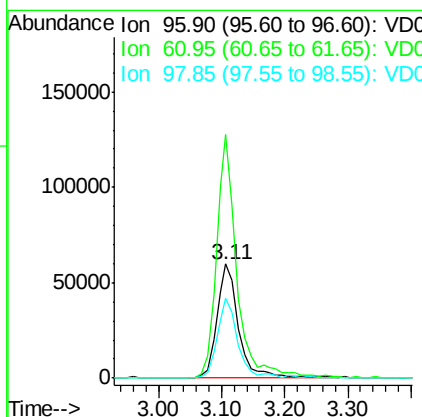
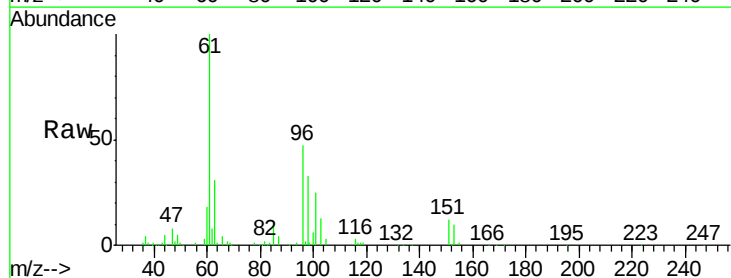
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

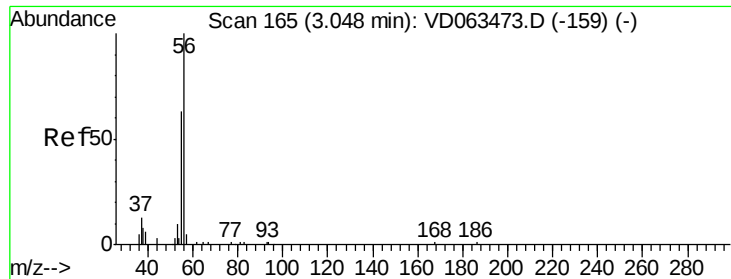
Tot Ion: 59 Resp: 50196
Ion Ratio Lower Upper
59 100
57 9.5 8.7 13.1



#12
1,1-Dichloroethene
Concen: 21.270 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 96 Resp: 146078
Ion Ratio Lower Upper
96 100
61 213.6 151.7 227.5
98 70.3 48.4 72.6





#13

Acrolein

Concen: 69.523 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

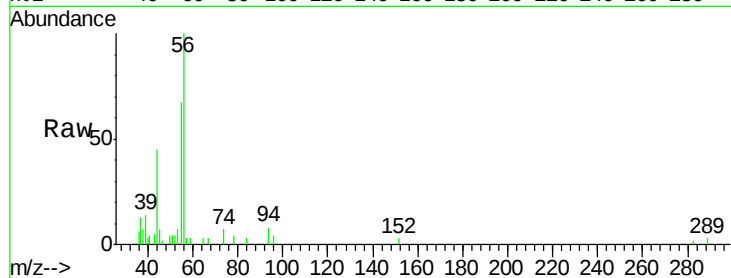
VD0820SBSD02

Tot Ion: 56 Resp: 27065

Ion Ratio Lower Upper

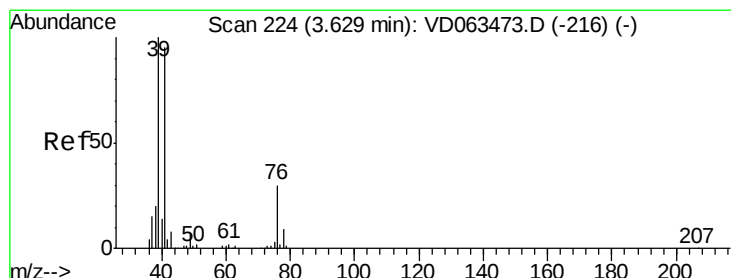
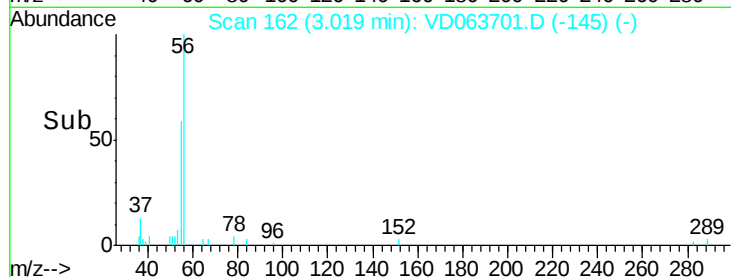
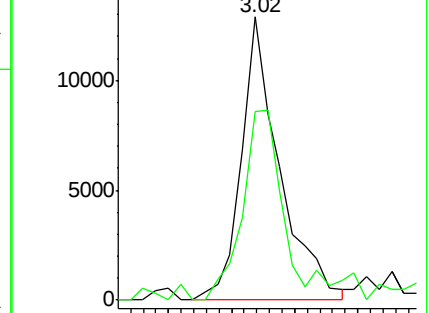
56 100

55 66.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.276 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

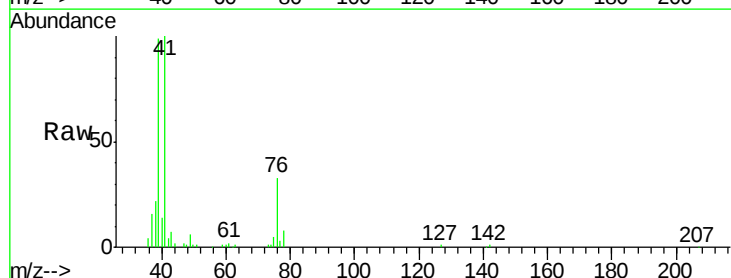
Tgt Ion: 41 Resp: 229988

Ion Ratio Lower Upper

41 100

39 99.3 84.2 126.4

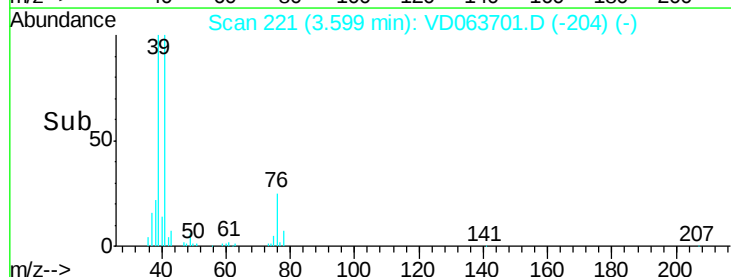
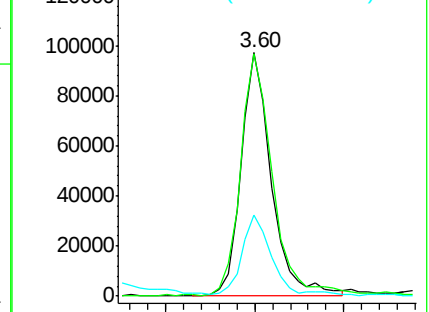
76 33.2 26.0 39.0

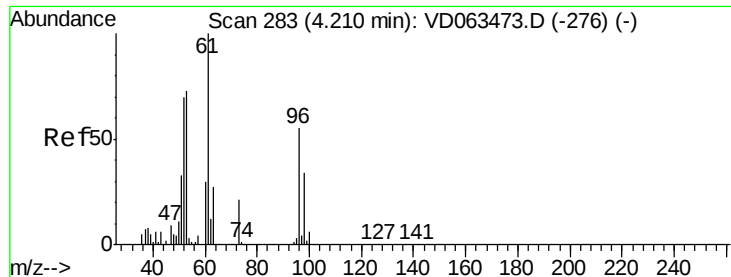


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 114.047 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

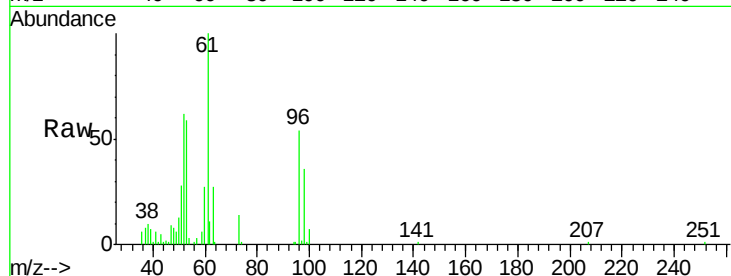
Tot Ion: 53 Resp: 119473

Ion Ratio Lower Upper

53 100

52 106.0 77.4 116.0

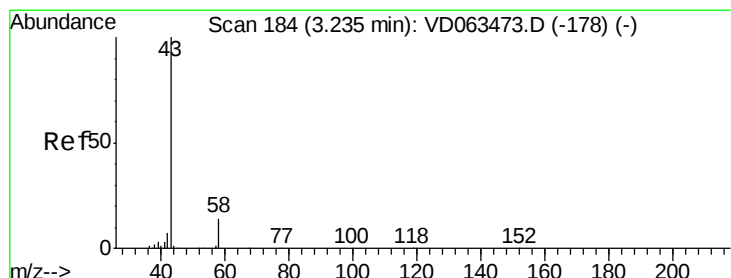
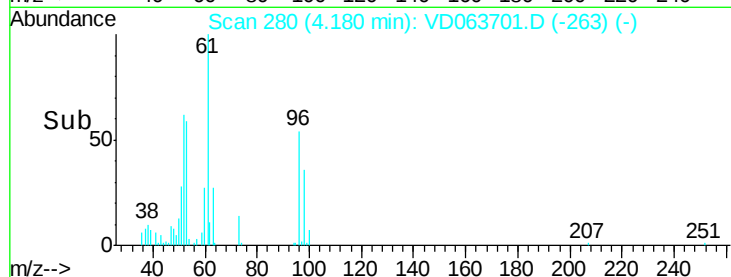
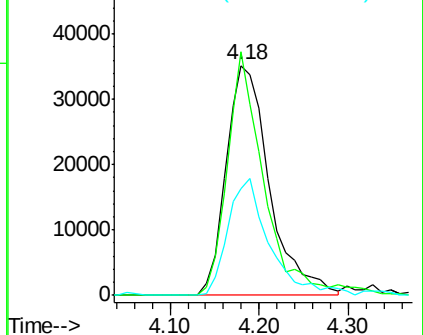
51 46.7 36.7 55.1



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: 94.942 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063701.D

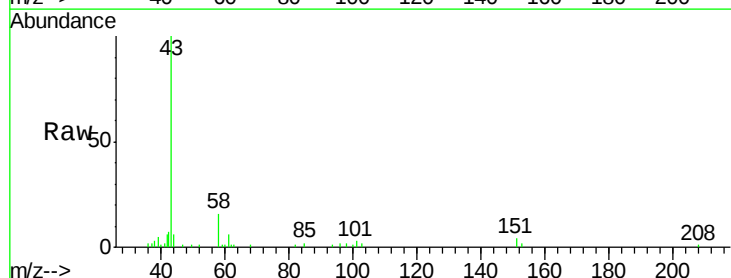
Acq: 21 Aug 2019 00:37

Tgt Ion: 43 Resp: 175344

Ion Ratio Lower Upper

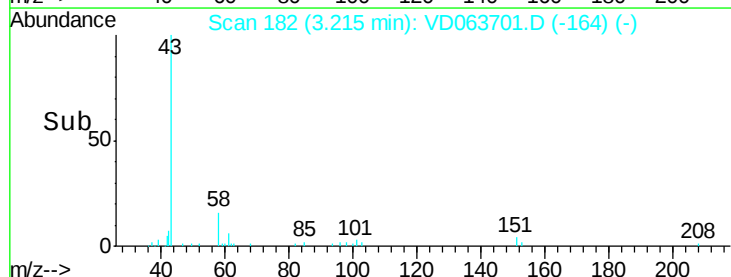
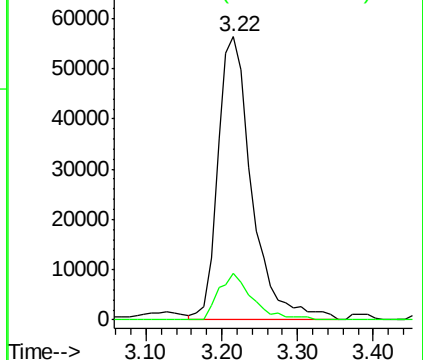
43 100

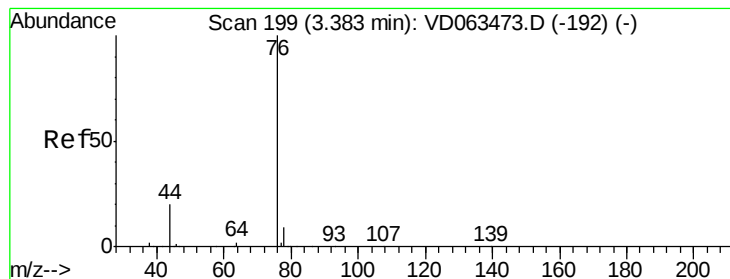
58 16.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.653 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

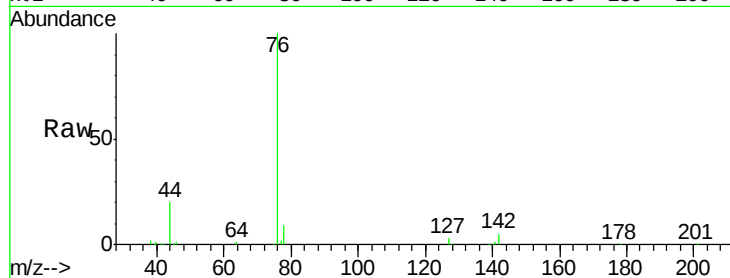
VD0820SBSD02

Tot Ion: 76 Resp: 447657

Ion Ratio Lower Upper

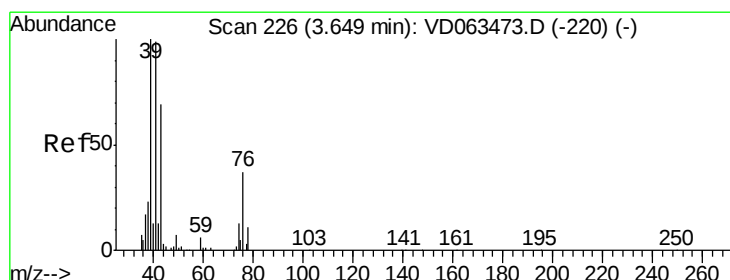
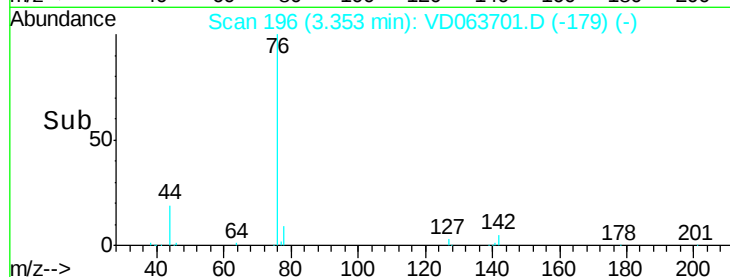
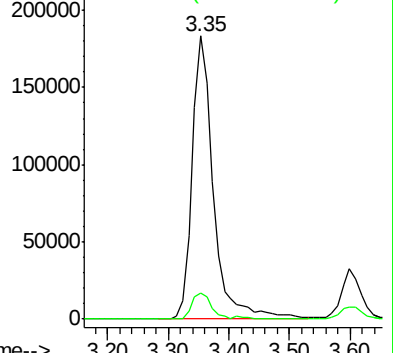
76 100

78 9.4 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: 27.411 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063701.D

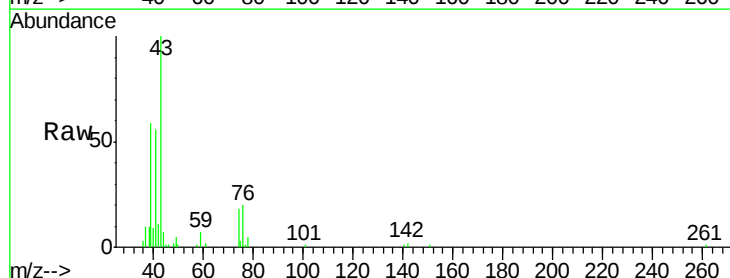
Acq: 21 Aug 2019 00:37

Tgt Ion: 43 Resp: 95888

Ion Ratio Lower Upper

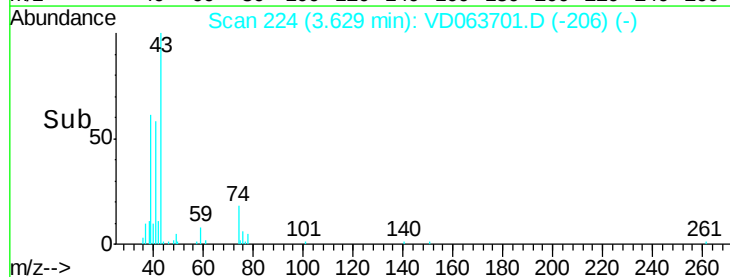
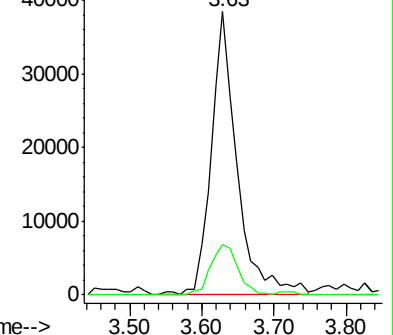
43 100

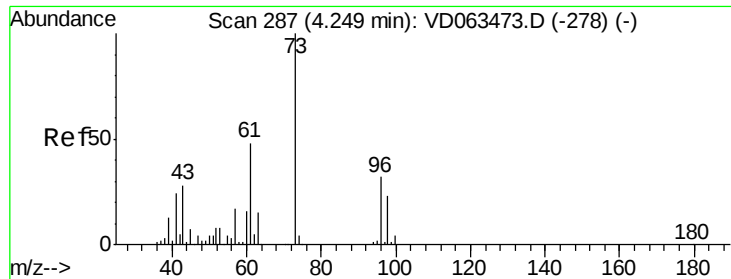
74 17.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

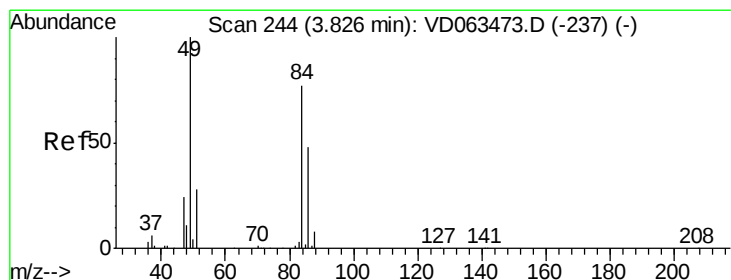
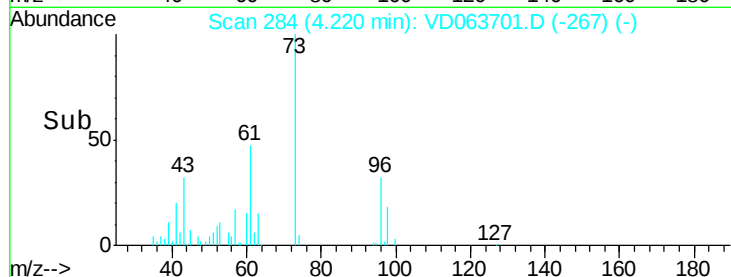
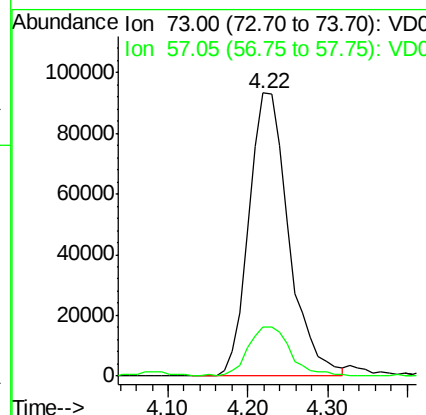
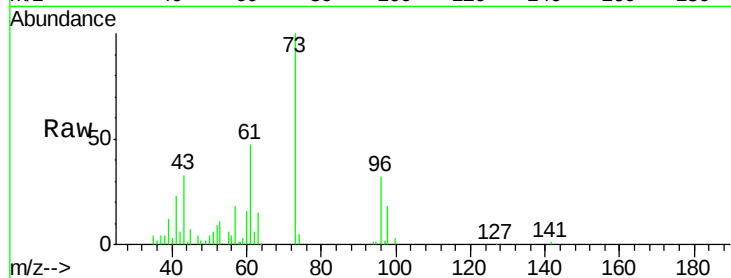




#19
Methvl tert-butvl Ether
Concen: 23.462 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

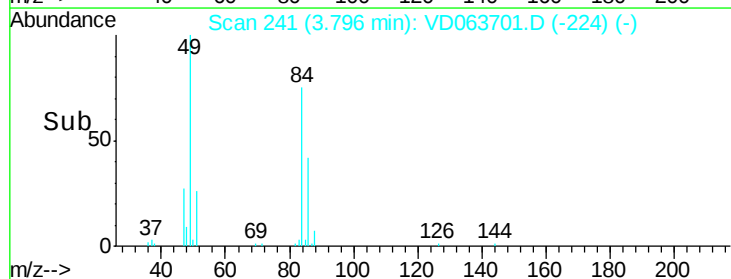
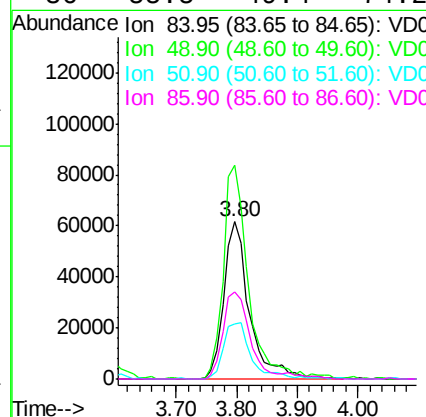
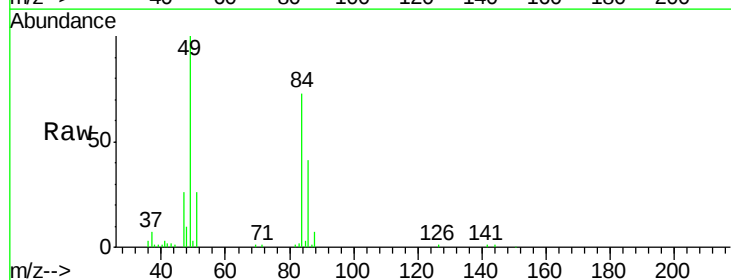
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

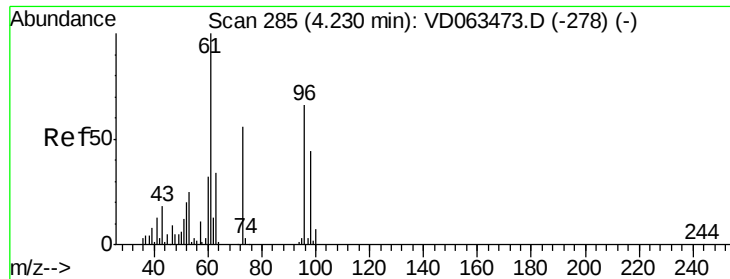
Tot Ion: 73 Resp: 322257
Ion Ratio Lower Upper
73 100
57 17.6 14.0 21.0



#20
Methylene Chloride
Concen: 22.702 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 84 Resp: 181296
Ion Ratio Lower Upper
84 100
49 136.2 103.4 155.2
51 35.1 28.5 42.7
86 55.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.952 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS02

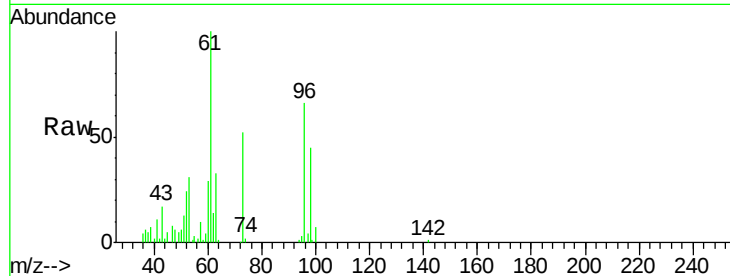
Tot Ion: 96 Resp: 165878

Ion Ratio Lower Upper

96 100

61 152.0 121.7 182.5

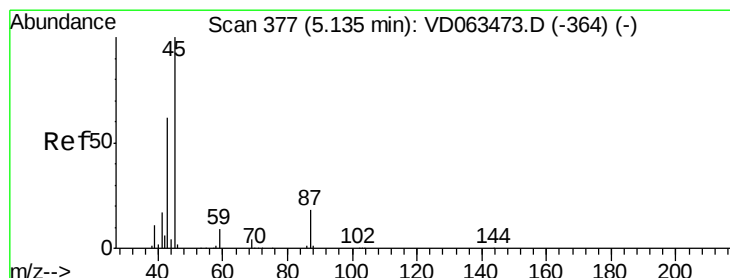
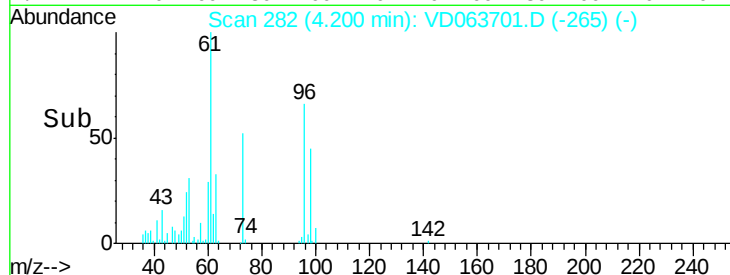
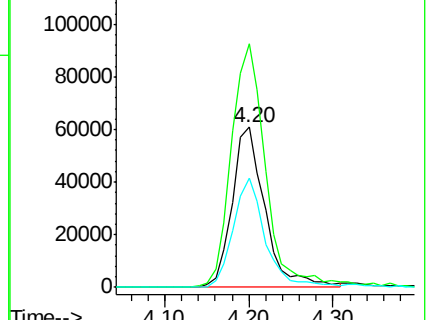
98 68.3 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.495 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Tgt Ion: 45 Resp: 500552

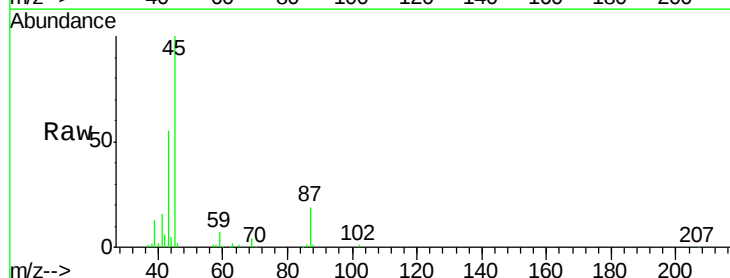
Ion Ratio Lower Upper

45 100

43 55.0 50.3 75.5

87 18.9 14.3 21.5

59 7.1 7.7 11.5#

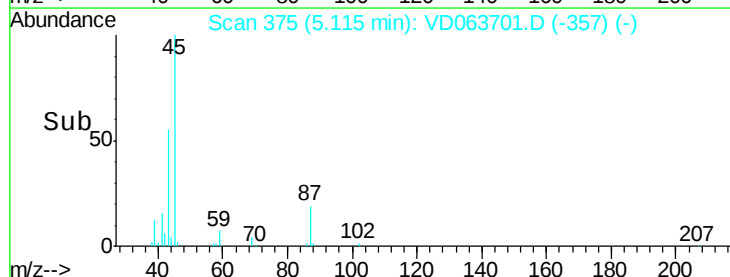
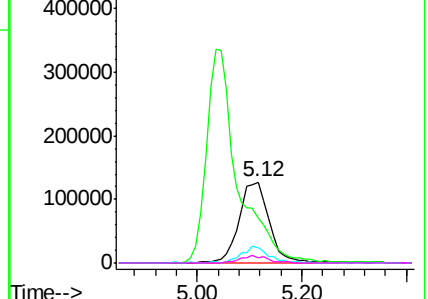


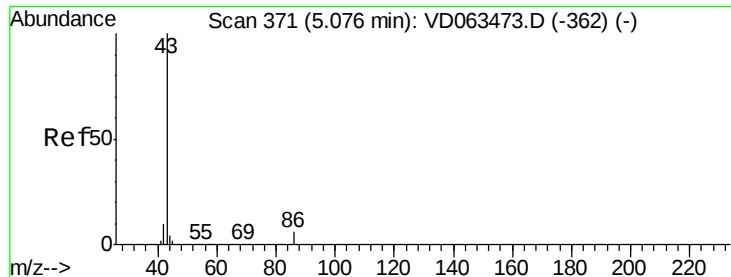
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

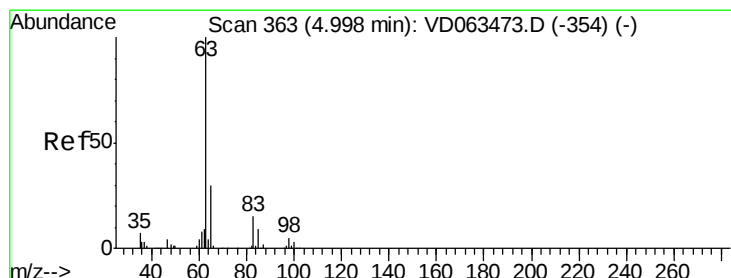
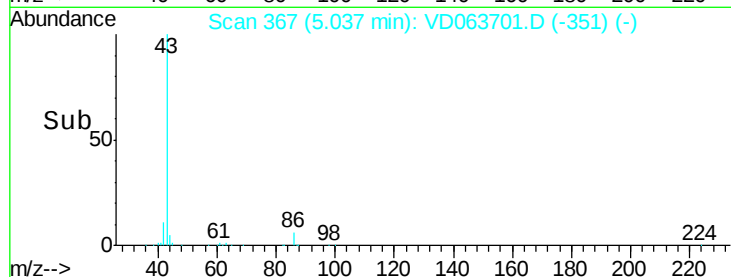
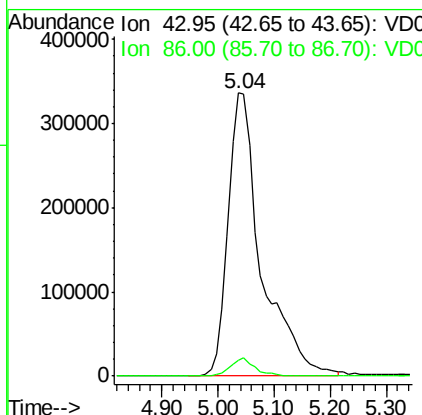
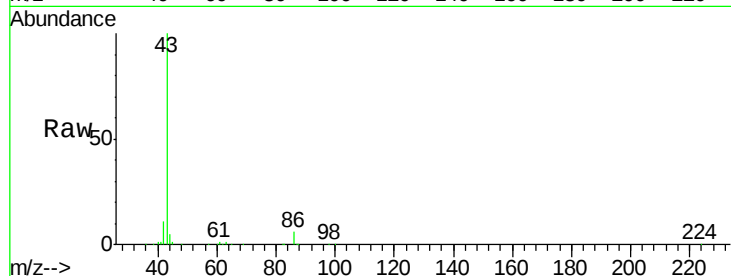




#23
 Vinyl Acetate
 Concen: 111.827 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.04 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

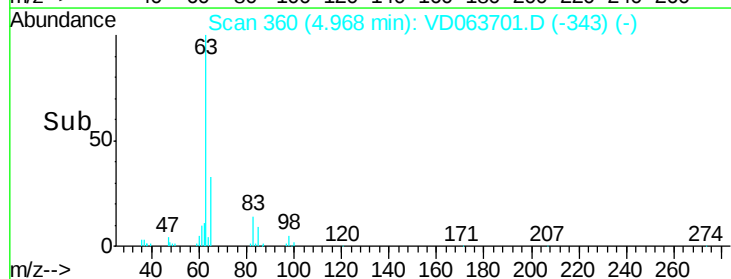
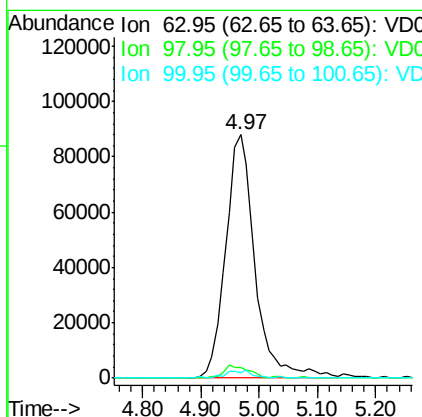
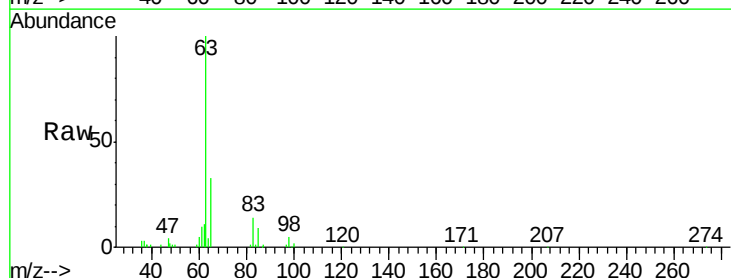
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

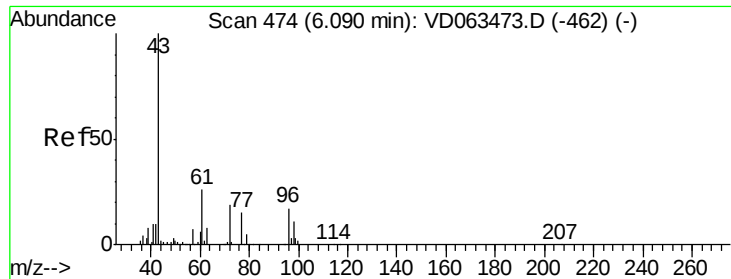
Tot Ion: 43 Resp: 1385038
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 23.213 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.03 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion: 63 Resp: 306738
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.4 7.2
 100 2.3 1.3 3.8





#25

2-Butanone

Concen: 106.099 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

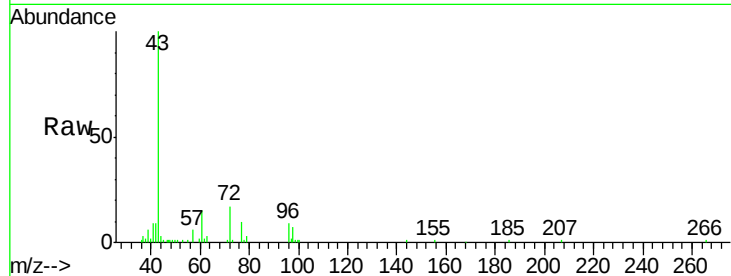
VD0820SBSD02

Tot Ion: 43 Resp: 193525

Ion Ratio Lower Upper

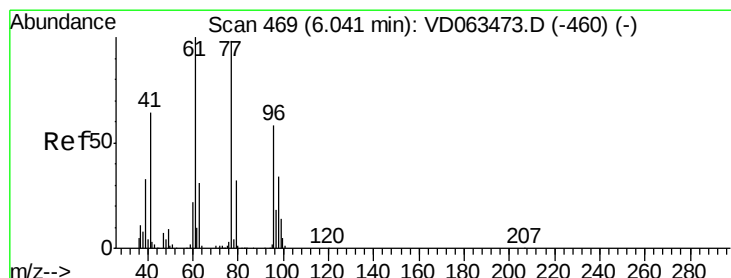
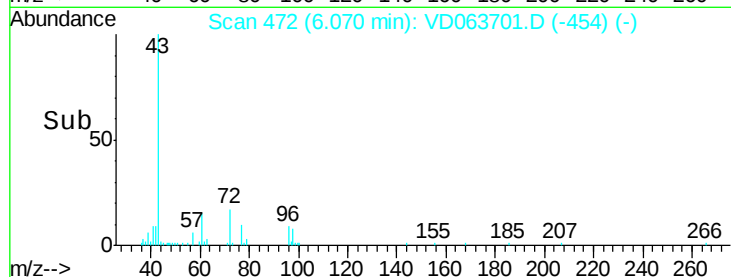
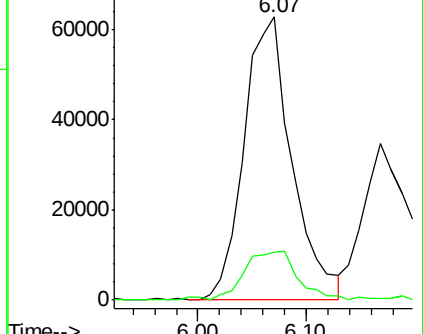
43 100

72 17.1 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.498 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063701.D

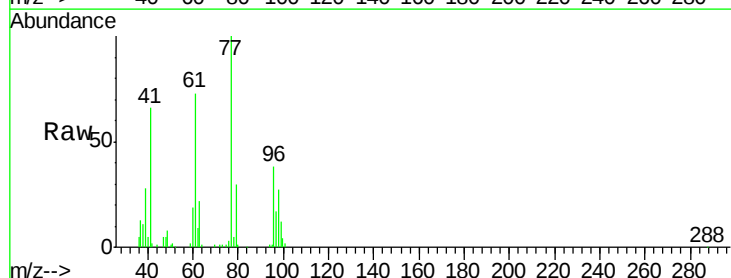
Acq: 21 Aug 2019 00:37

Tgt Ion: 77 Resp: 269782

Ion Ratio Lower Upper

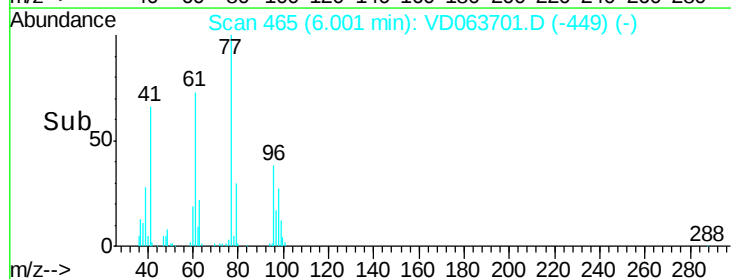
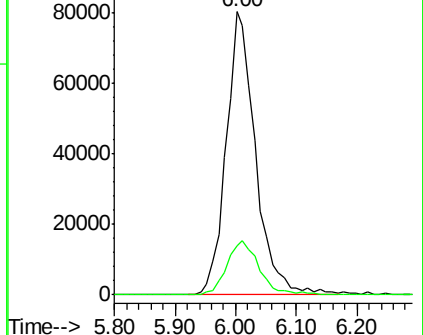
77 100

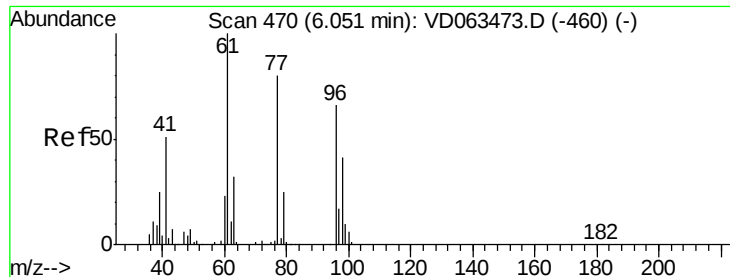
97 17.2 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



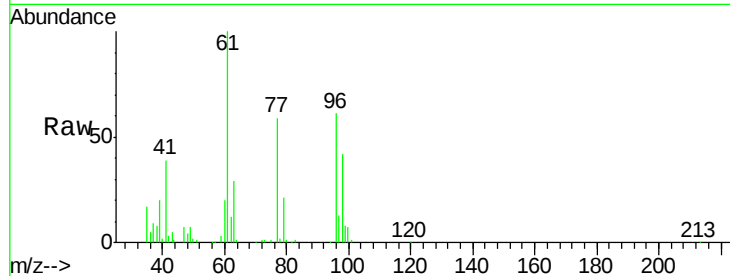


#27

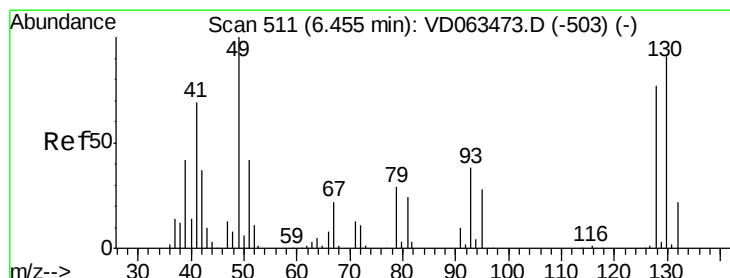
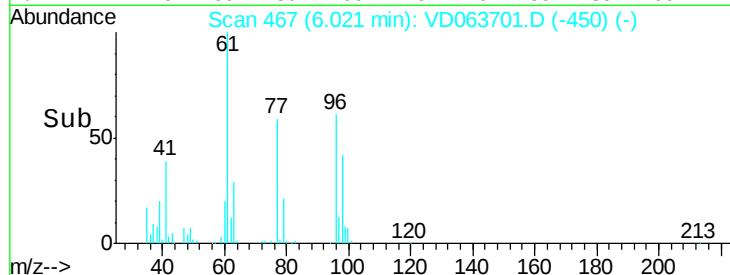
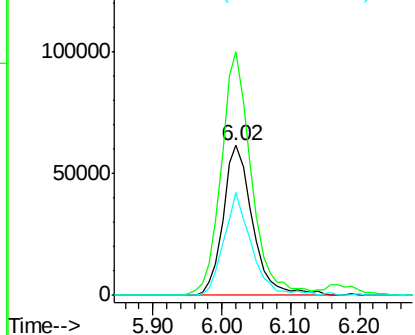
cis-1,2-Dichloroethene
Concen: 23.057 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

Tot Ion: 96 Resp: 182313
Ion Ratio Lower Upper
96 100
61 162.6 0.0 304.0
98 68.7 0.0 124.8



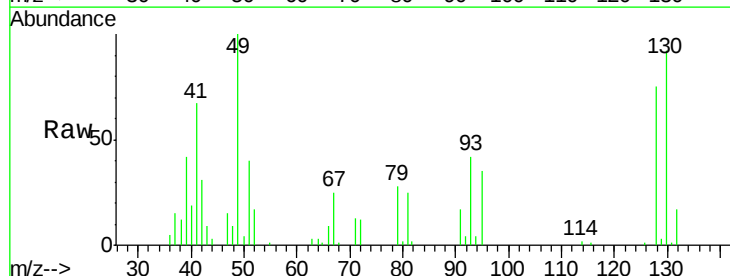
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



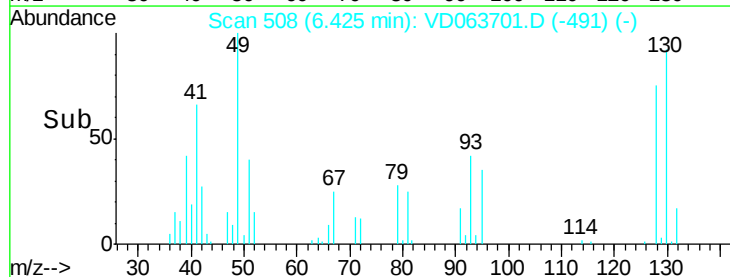
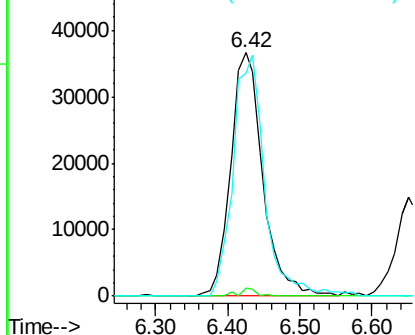
#28

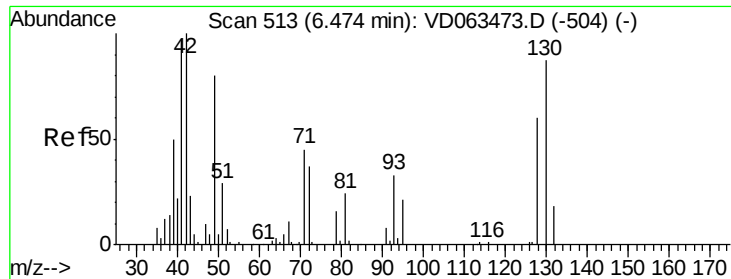
Bromochloromethane
Concen: 21.265 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 49 Resp: 113882
Ion Ratio Lower Upper
49 100
129 3.4 0.0 6.4
130 91.7 72.4 108.6



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

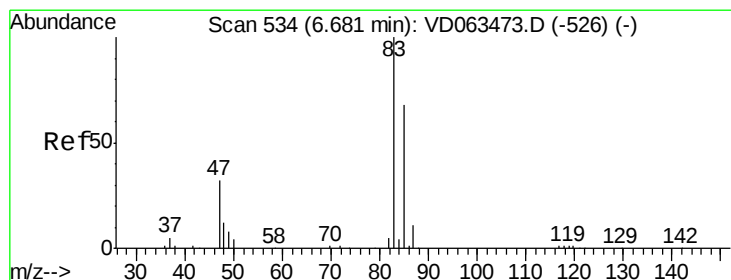
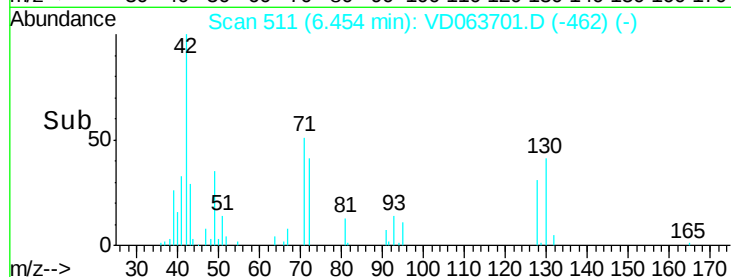
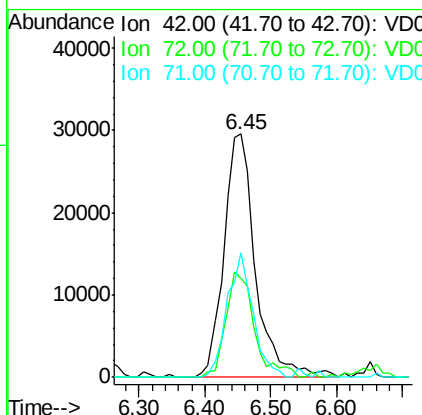
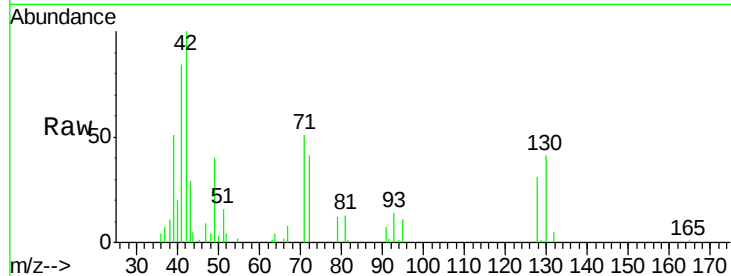




#29
Tetrahydrofuran
Concen: 116.335 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

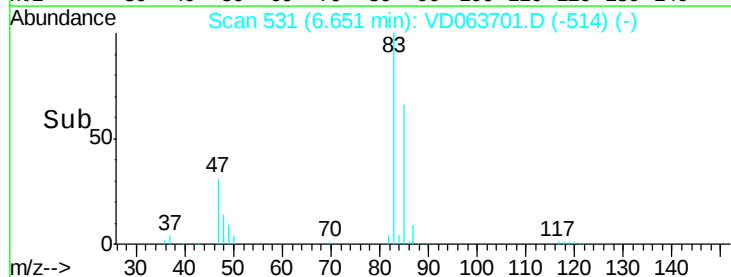
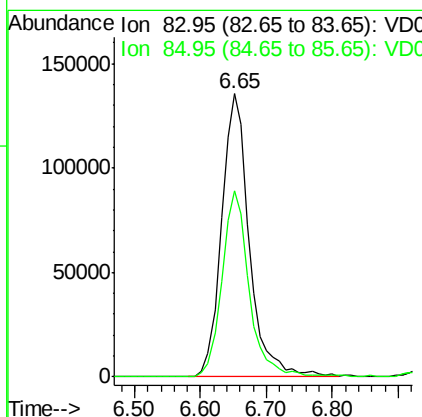
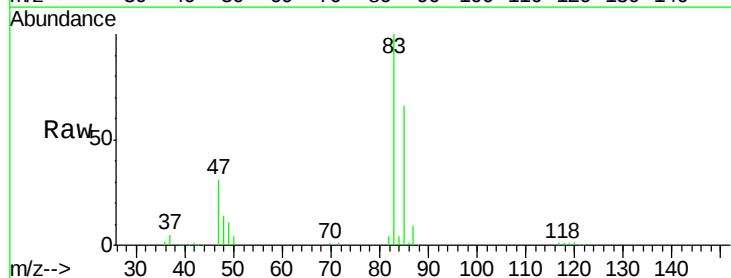
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

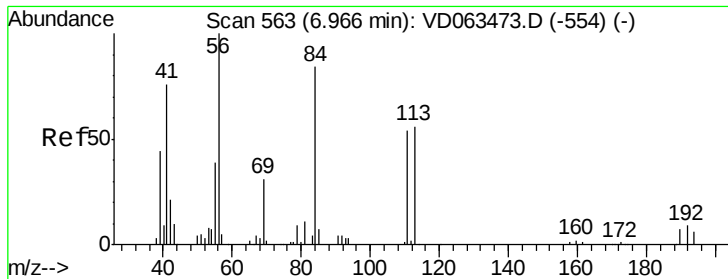
Tot Ion: 42 Resp: 98878
Ion Ratio Lower Upper
42 100
72 39.4 31.5 47.3
71 41.9 33.8 50.8



#30
Chloroform
Concen: 24.169 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 83 Resp: 396973
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2

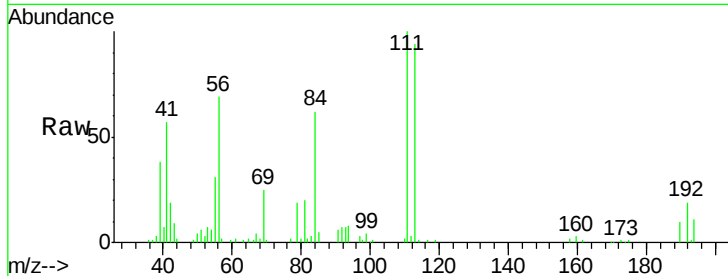




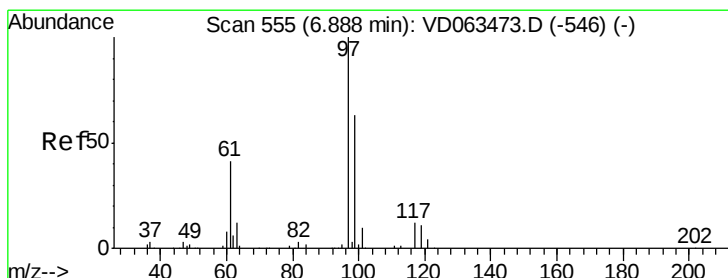
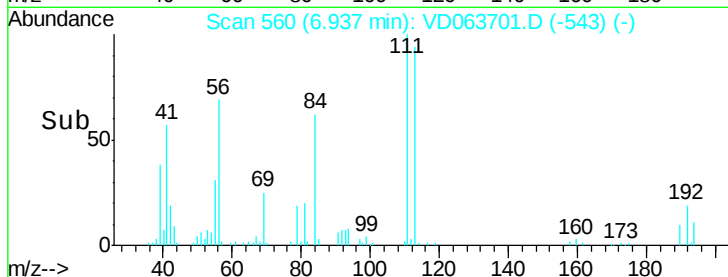
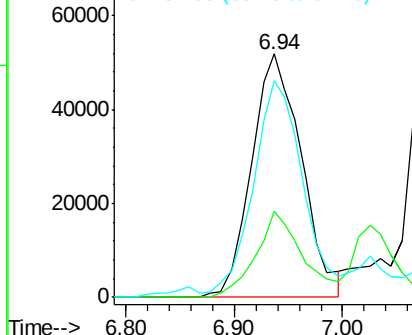
#31
Cyclohexane
Concen: 20.293 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

Tot Ion: 56 Resp: 166470
Ion Ratio Lower Upper
56 100
69 35.7 25.0 37.6
84 89.2 69.7 104.5

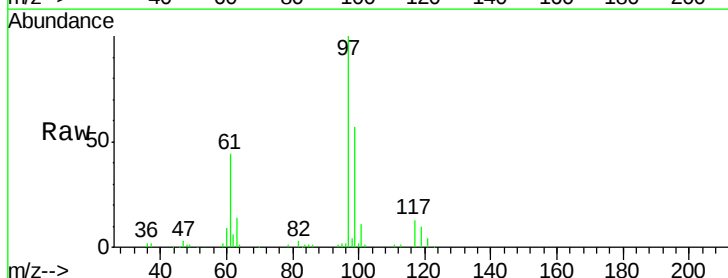


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

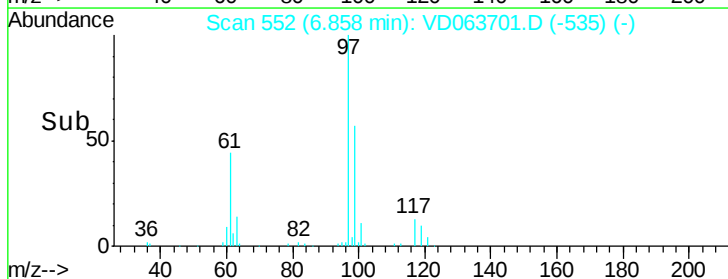
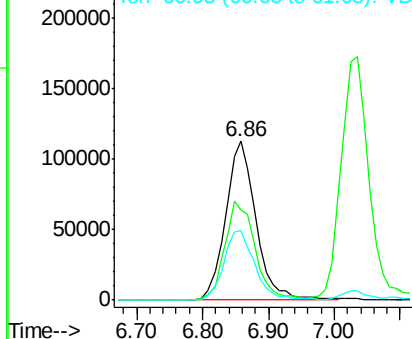


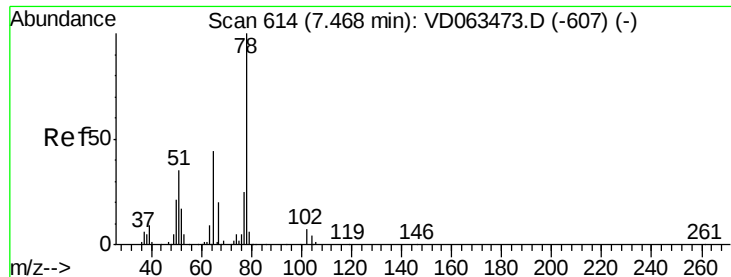
#32
1,1,1-Trichloroethane
Concen: 23.018 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 97 Resp: 361642
Ion Ratio Lower Upper
97 100
99 56.7 50.2 75.4
61 44.2 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: 53.502 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

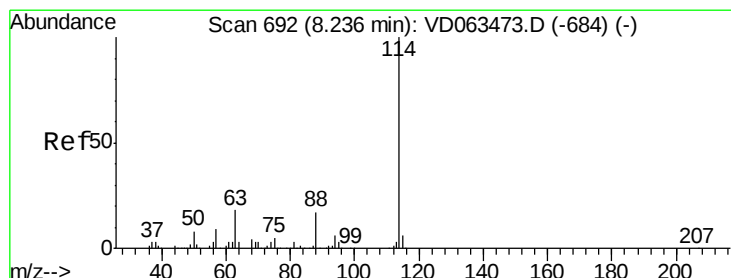
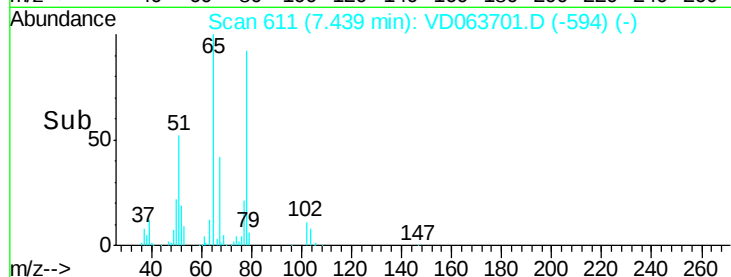
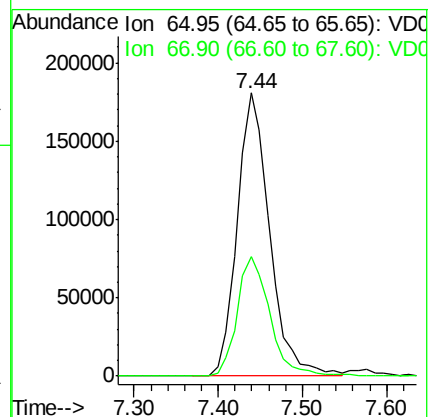
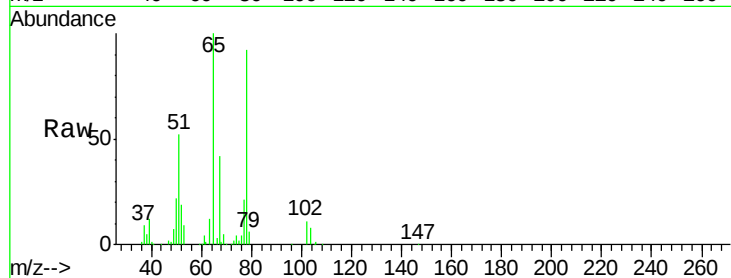
VD0820SBSD02

Tot Ion: 65 Resp: 486081

Ion Ratio Lower Upper

65 100

67 42.3 0.0 89.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

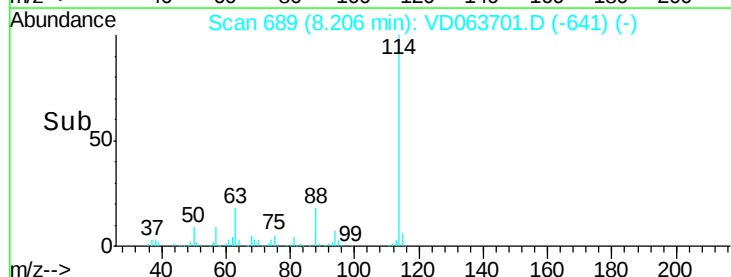
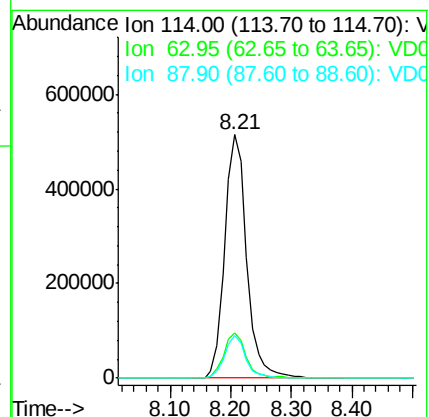
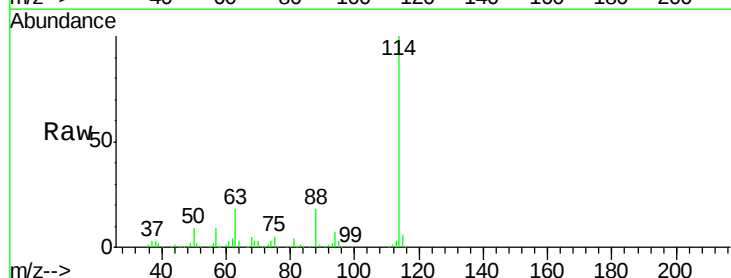
Tgt Ion: 114 Resp: 1300849

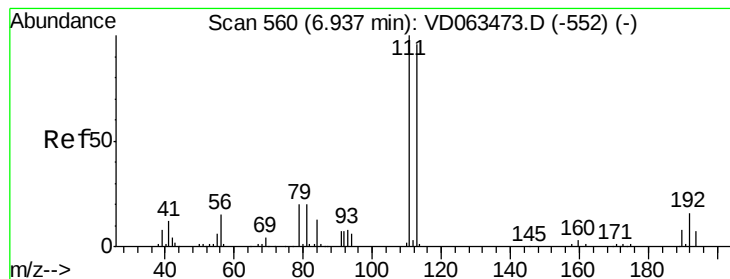
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 17.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.102 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

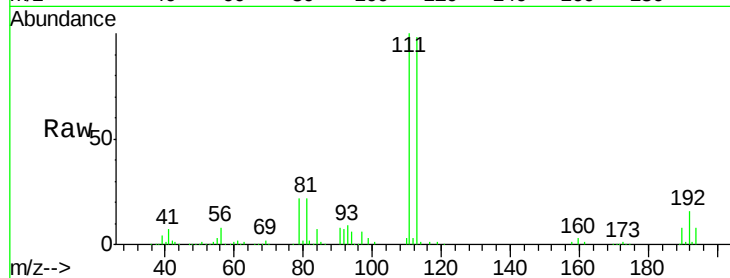
Tot Ion:113 Resp: 548911

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

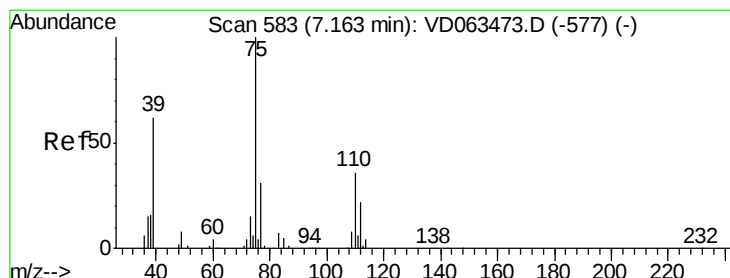
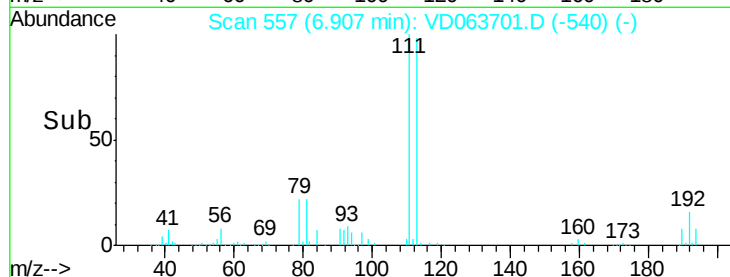
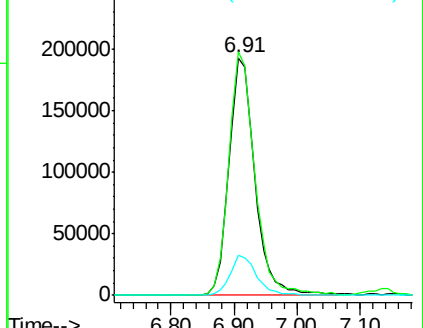
192 16.9 13.1 19.7



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: 20.915 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

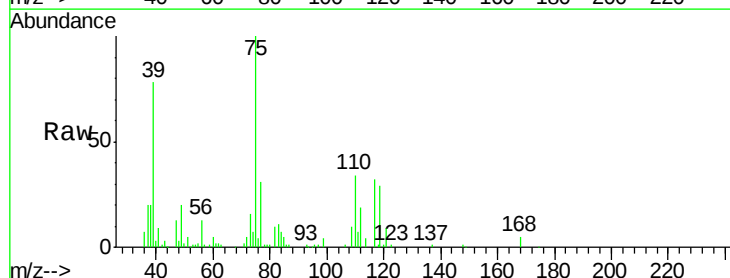
Tgt Ion: 75 Resp: 240520

Ion Ratio Lower Upper

75 100

110 34.4 17.6 52.8

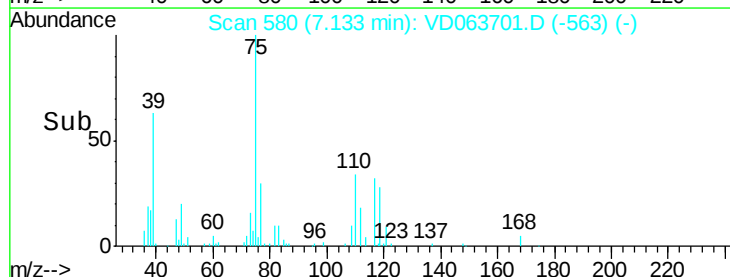
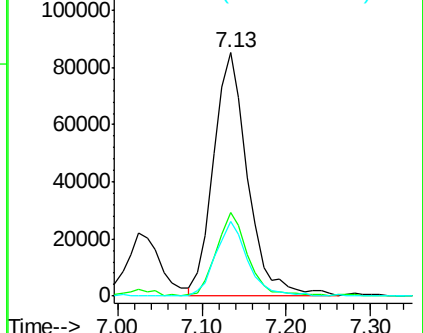
77 30.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

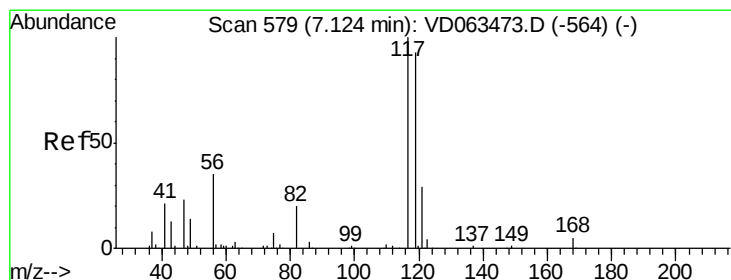
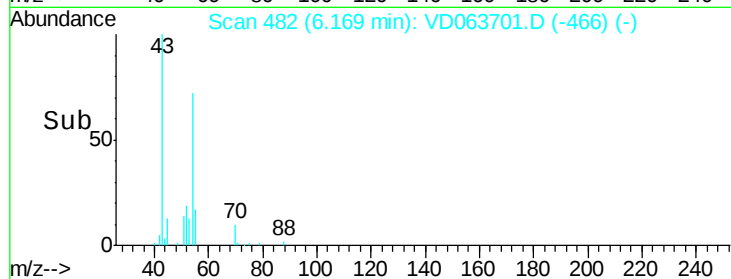
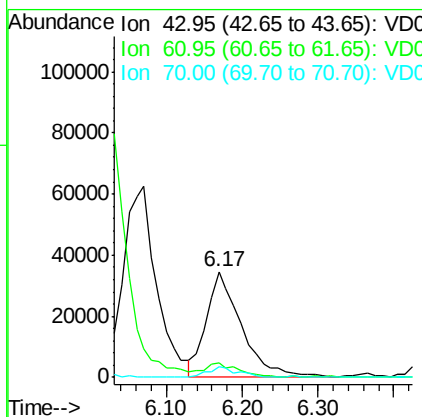
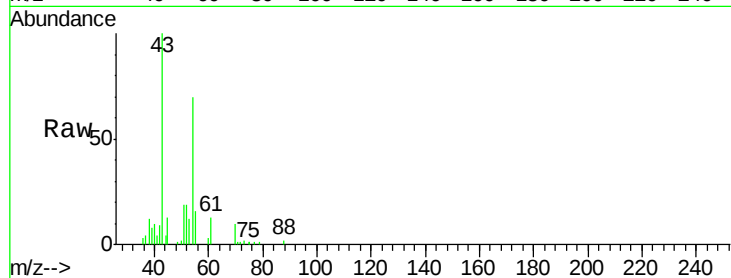




#37
Ethyl Acetate
Concen: 23.326 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

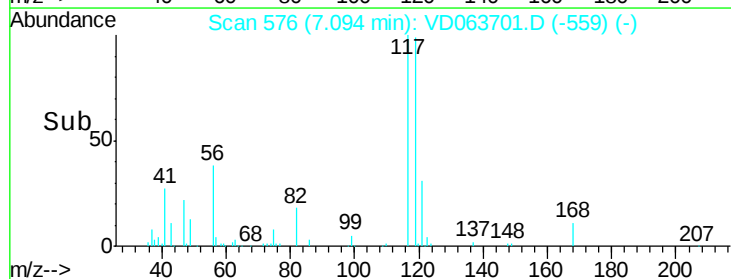
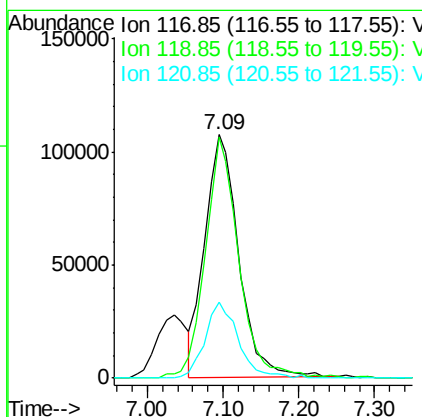
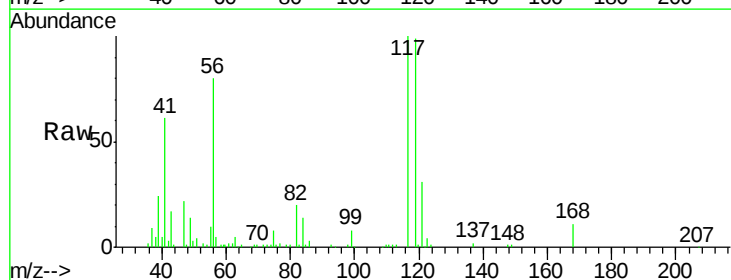
Instrument :
MSVOA_D
ClientSampleID :
VD0820SBSD02

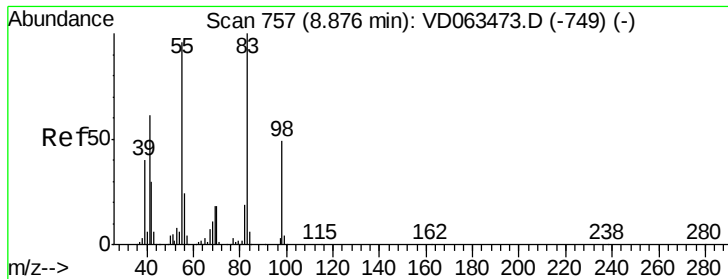
Tot Ion: 43 Resp: 112401
Ion Ratio Lower Upper
43 100
61 13.4 9.0 13.6
70 10.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 19.315 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 117 Resp: 334761
Ion Ratio Lower Upper
117 100
119 99.1 74.2 111.2
121 31.1 23.1 34.7

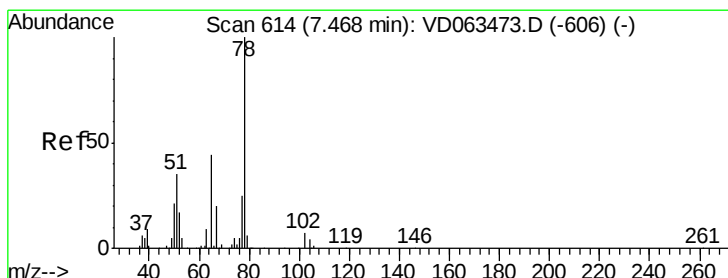
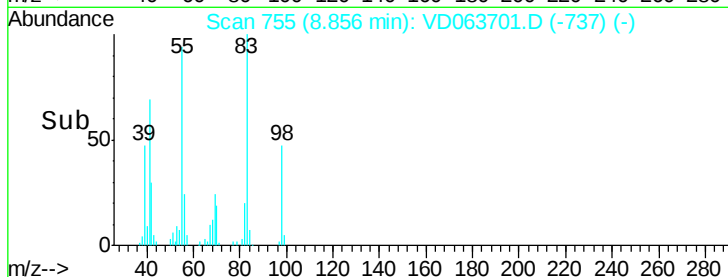
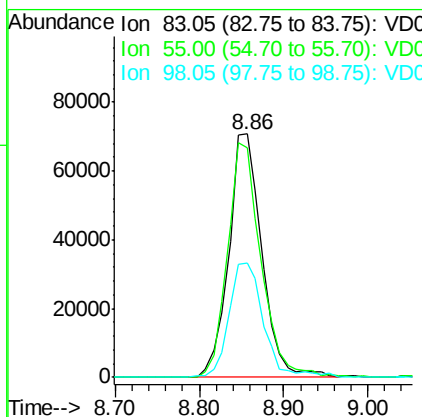
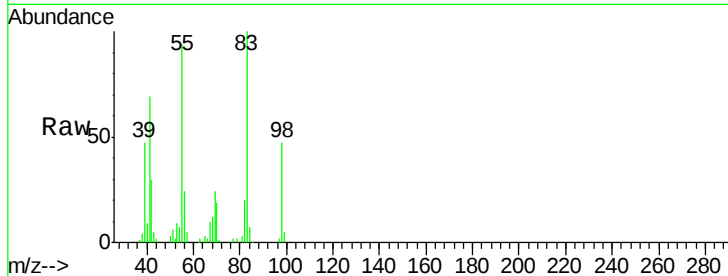




#39
Methylvlcvclohexane
Concen: 19.837 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

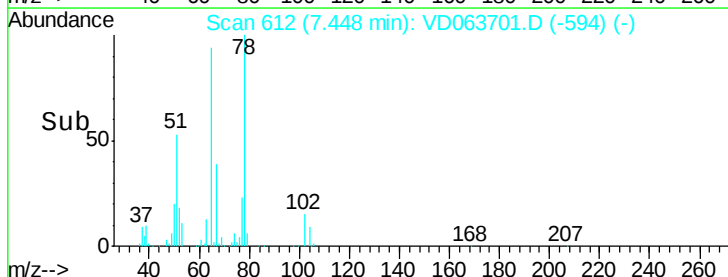
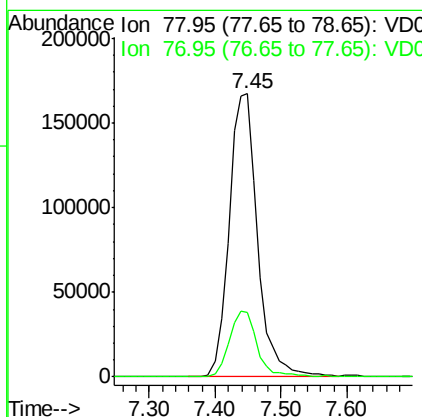
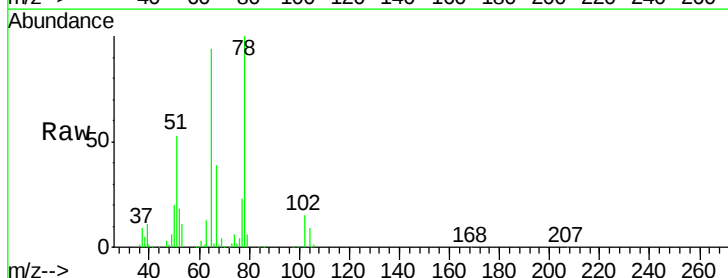
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

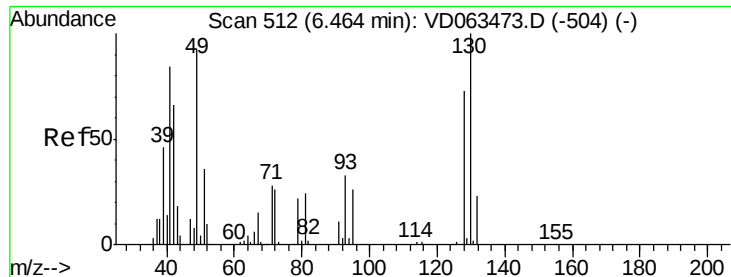
Tot Ion: 83 Resp: 193983
Ion Ratio Lower Upper
83 100
55 94.3 76.6 114.8
98 47.0 39.4 59.0



#40
Benzene
Concen: 19.899 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 78 Resp: 503593
Ion Ratio Lower Upper
78 100
77 22.7 20.1 30.1

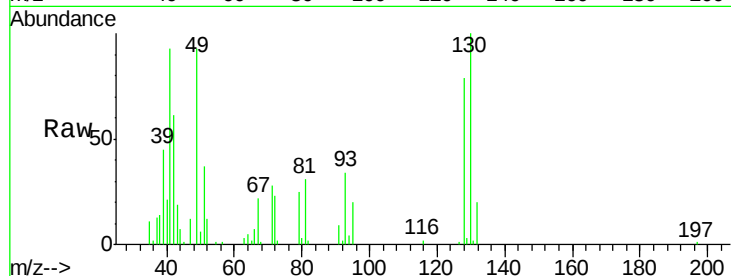




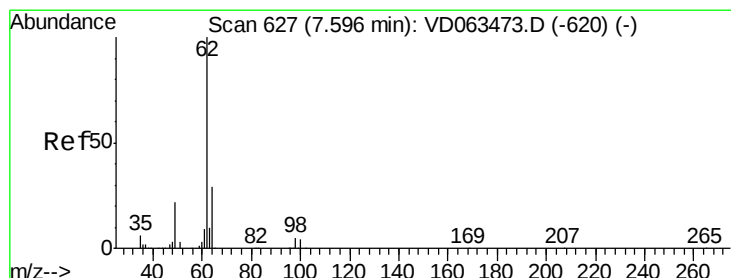
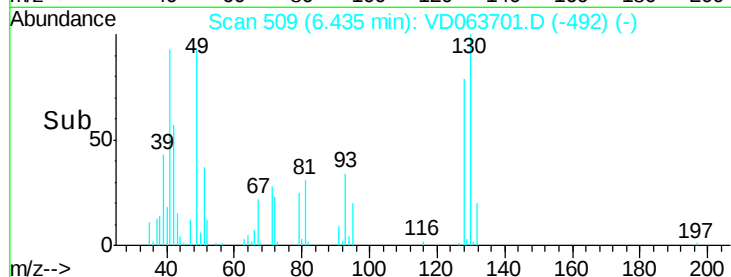
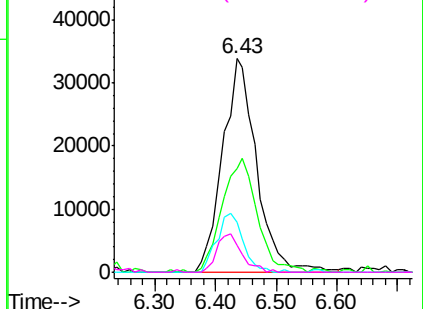
#41
Methacrylonitrile
Concen: 21.770 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS02

Tot Ion:	41	Resp:	132084
Ion	Ratio	Lower	Upper
41	100		
39	48.3	44.6	66.8
67	23.5	14.4	21.6
52	12.4	9.3	13.9

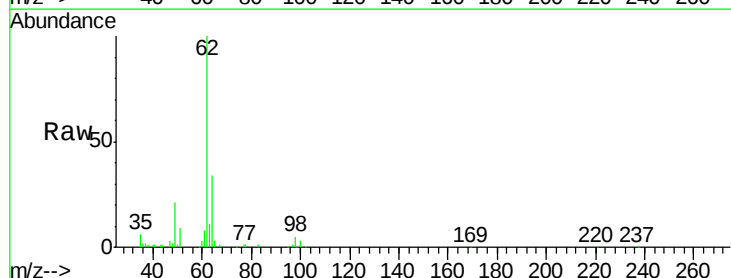


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

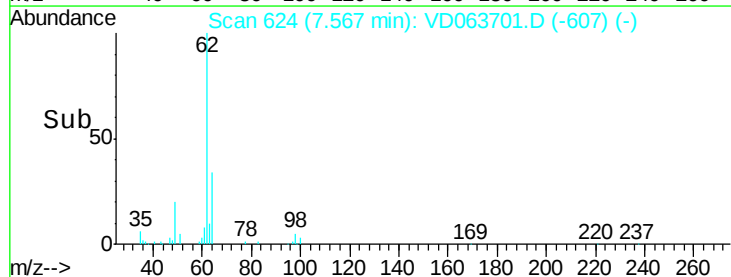
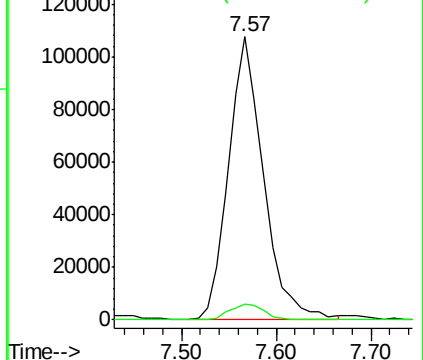


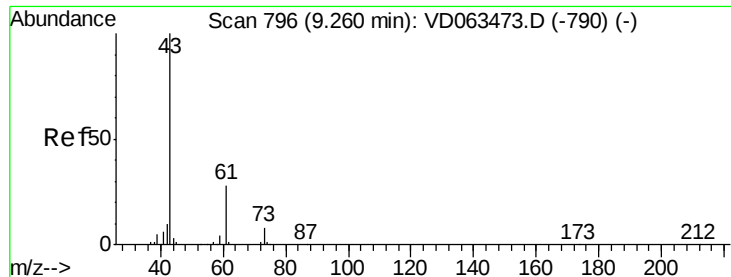
#42
1,2-Dichloroethane
Concen: 21.712 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:	62	Resp:	276286
Ion	Ratio	Lower	Upper
62	100		
98	5.4	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: 21.699 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleID :

VD0820SBS02

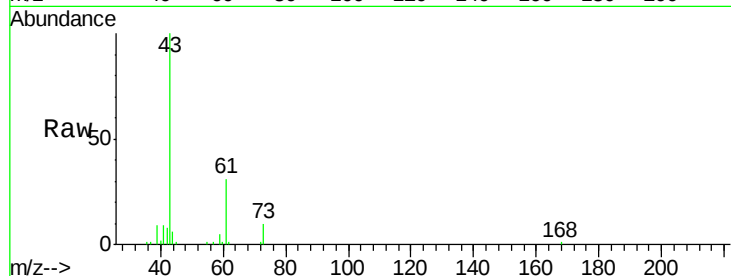
Tot Ion: 43 Resp: 140040

Ion Ratio Lower Upper

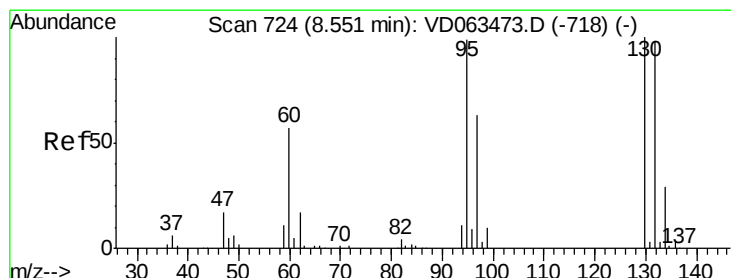
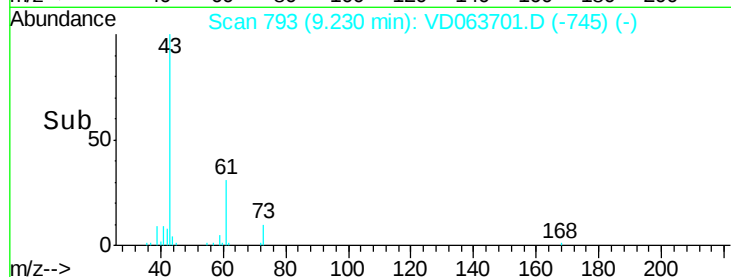
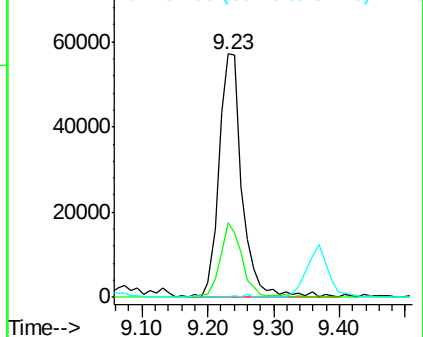
43 100

61 30.6 22.2 33.2

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 20.489 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063701.D

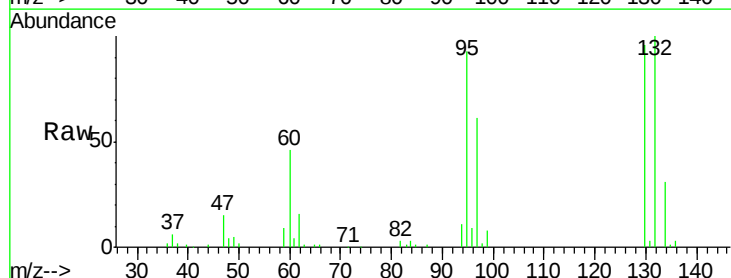
Acq: 21 Aug 2019 00:37

Tgt Ion:130 Resp: 198188

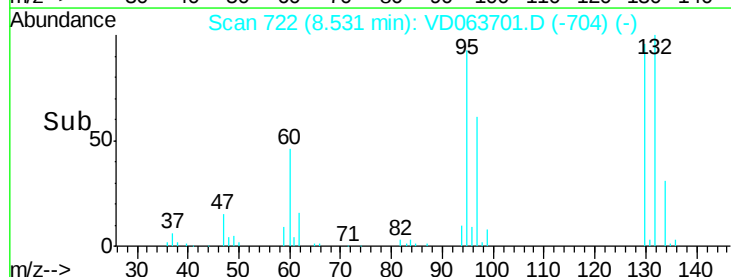
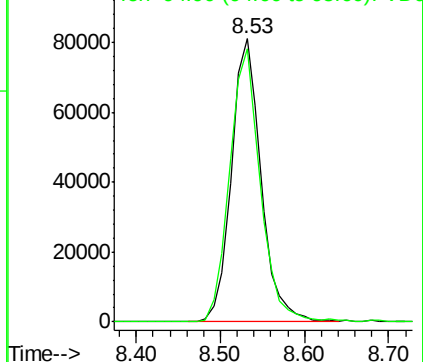
Ion Ratio Lower Upper

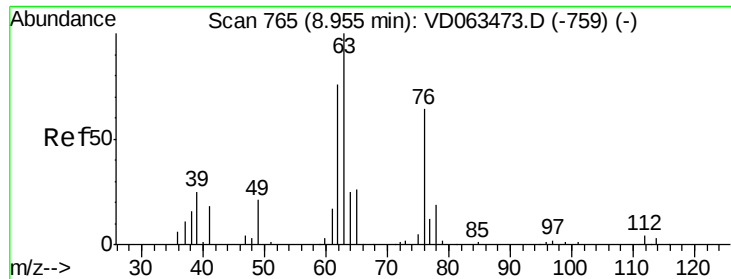
130 100

95 96.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 20.424 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

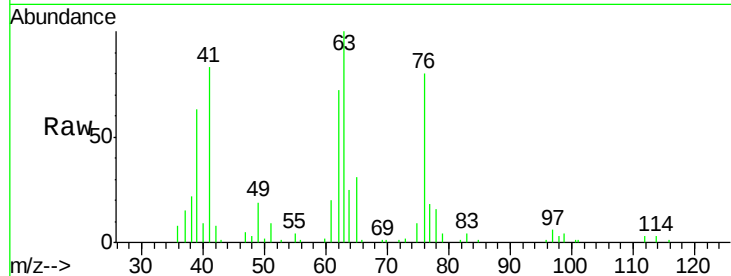
VD0820SBSD02

Tot Ion: 63 Resp: 120365

Ion Ratio Lower Upper

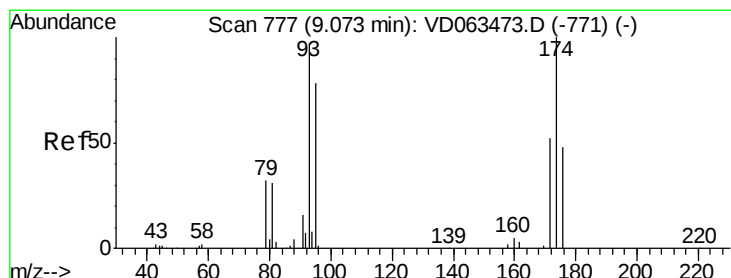
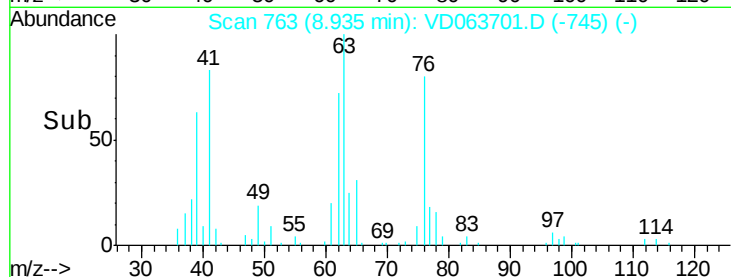
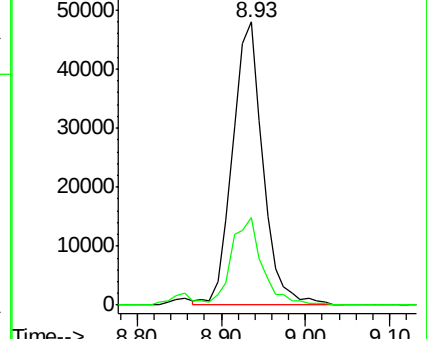
63 100

65 30.8 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.377 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

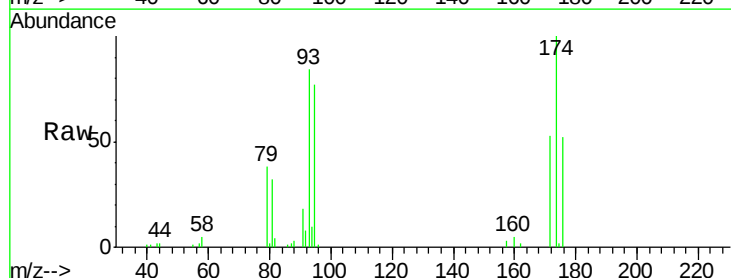
Tgt Ion: 93 Resp: 107588

Ion Ratio Lower Upper

93 100

95 91.2 64.2 96.2

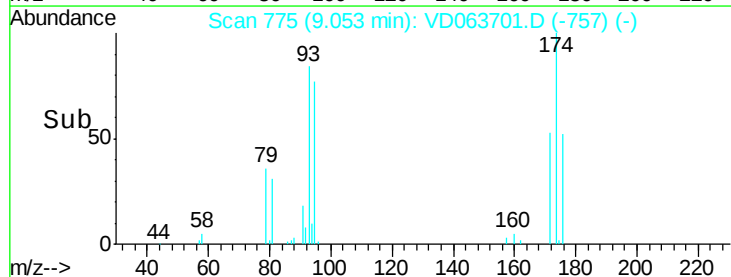
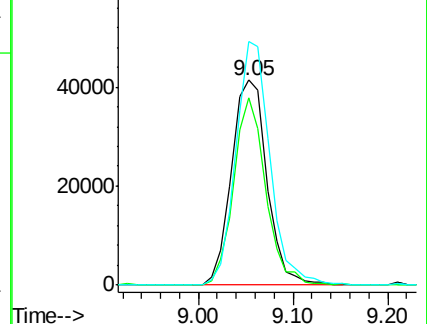
174 119.0 82.1 123.1

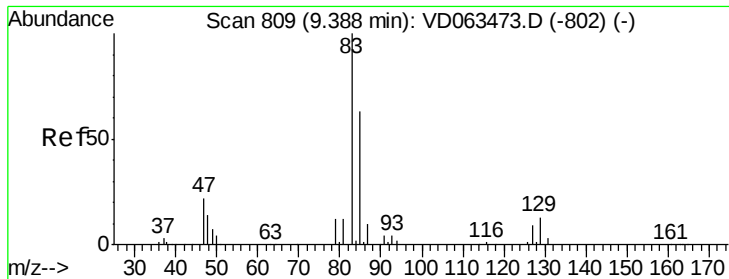


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.319 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

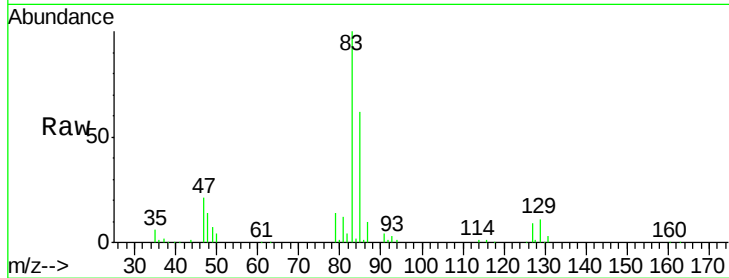
Tot Ion: 83 Resp: 275218

Ion Ratio Lower Upper

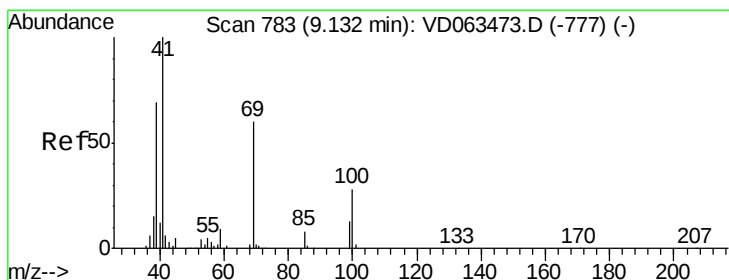
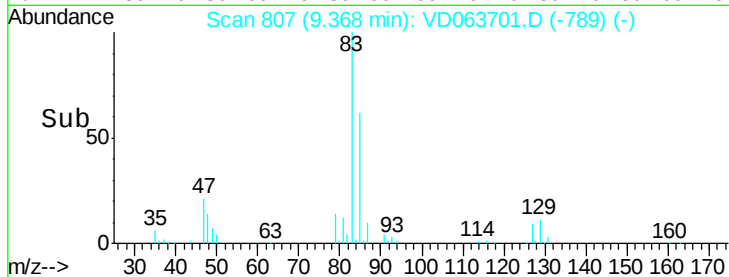
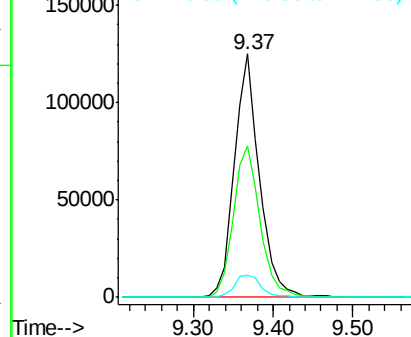
83 100

85 62.3 50.1 75.1

127 9.3 7.6 11.4



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



#48

Methyl methacrylate

Concen: 22.177 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

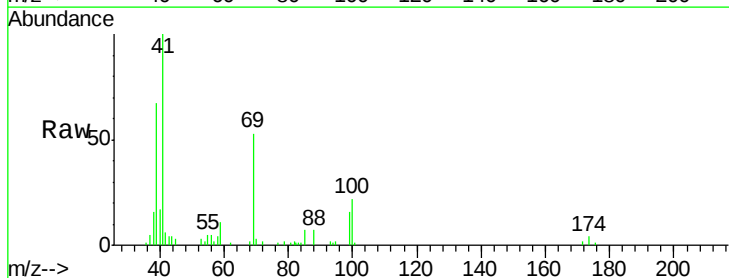
Tgt Ion: 41 Resp: 97067

Ion Ratio Lower Upper

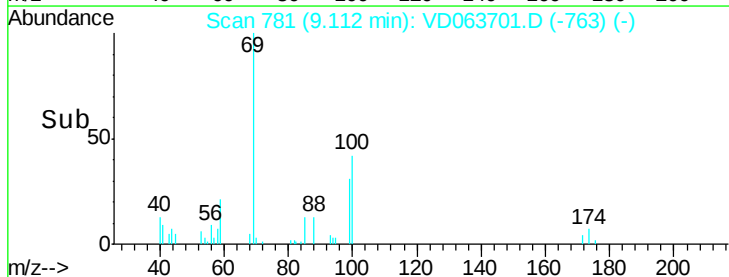
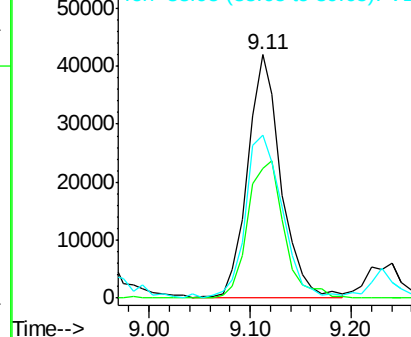
41 100

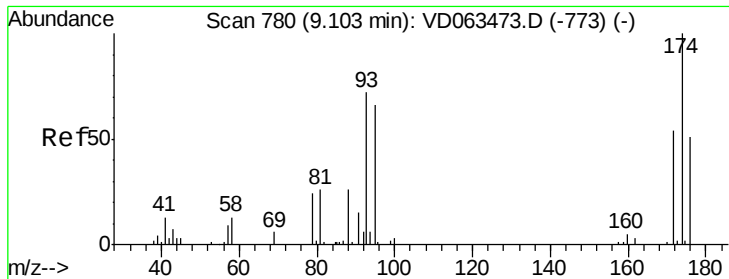
69 53.0 47.6 71.4

39 67.1 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

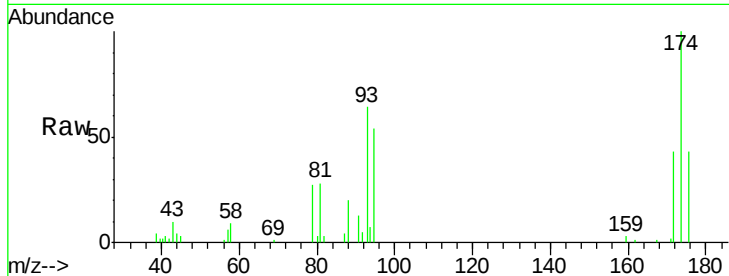




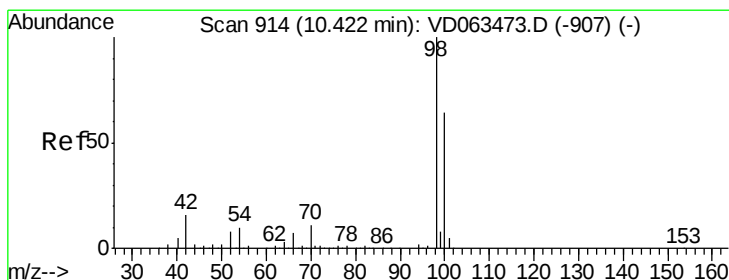
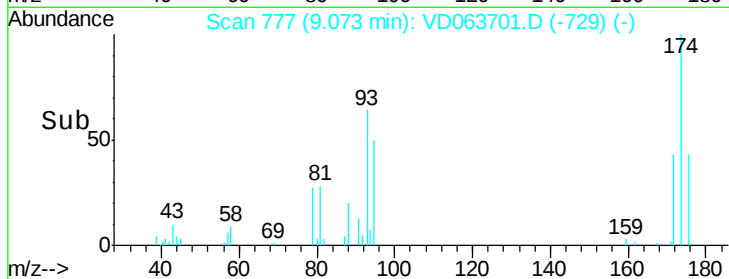
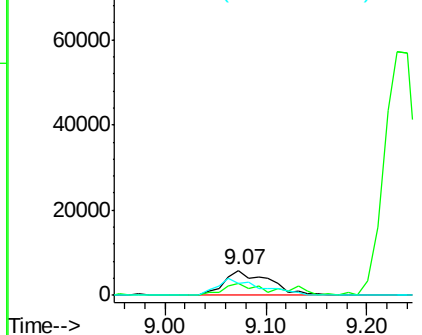
#49
 1,4-Dioxane
 Concen: 481.369 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

Tot Ion: 88 Resp: 18300
 Ion Ratio Lower Upper
 88 100
 43 49.4 22.9 34.3#
 58 45.5 40.1 60.1

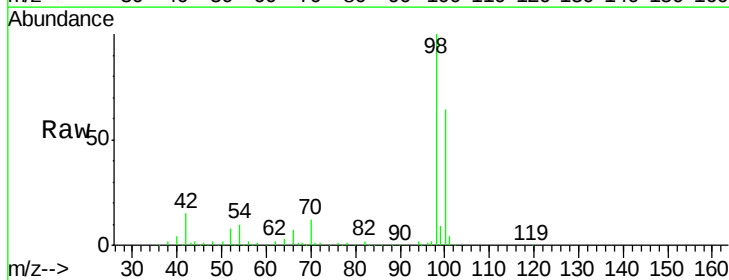


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

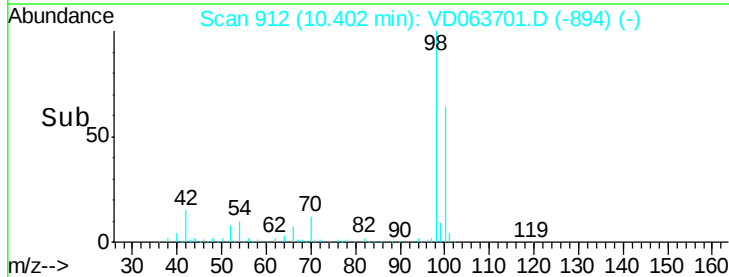
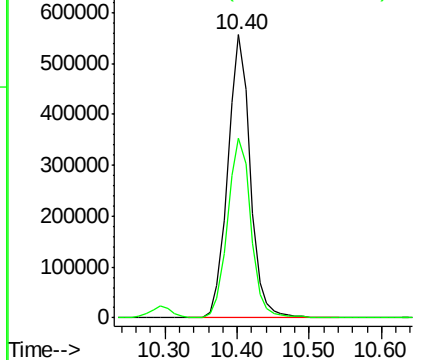


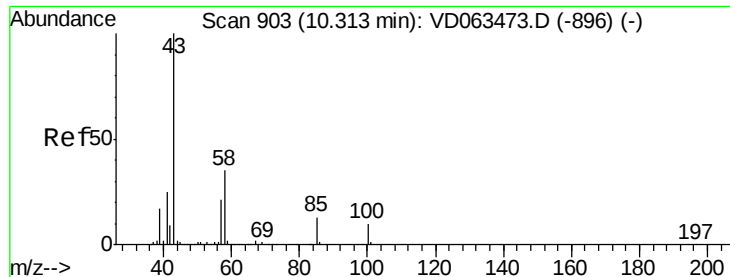
#50
 Toluene-d8
 Concen: 49.963 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion: 98 Resp: 1203463
 Ion Ratio Lower Upper
 98 100
 100 63.7 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: 108.136 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

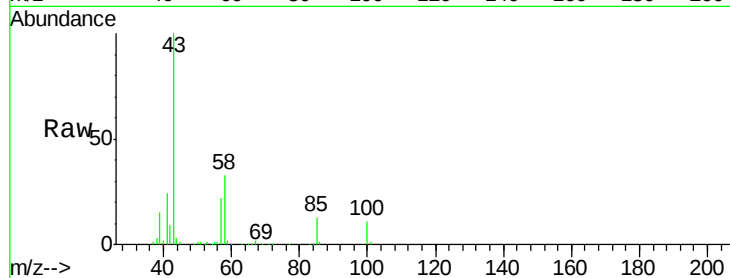
VD0820SBS02

Tot Ion: 43 Resp: 477551

Ion Ratio Lower Upper

43 100

58 32.7 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

250000

200000

150000

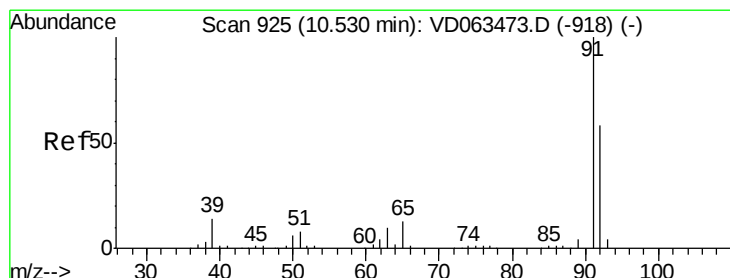
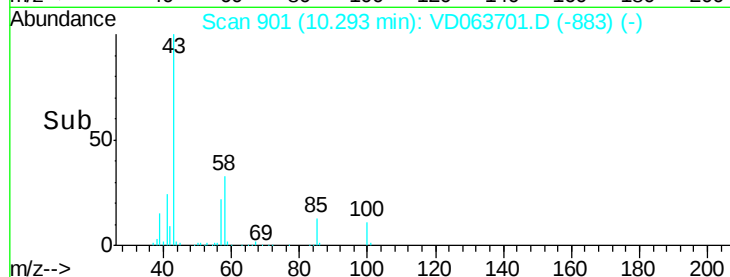
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 22.435 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063701.D

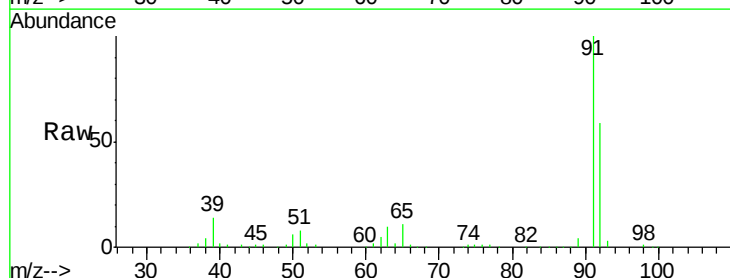
Acq: 21 Aug 2019 00:37

Tgt Ion: 92 Resp: 365688

Ion Ratio Lower Upper

92 100

91 169.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

300000

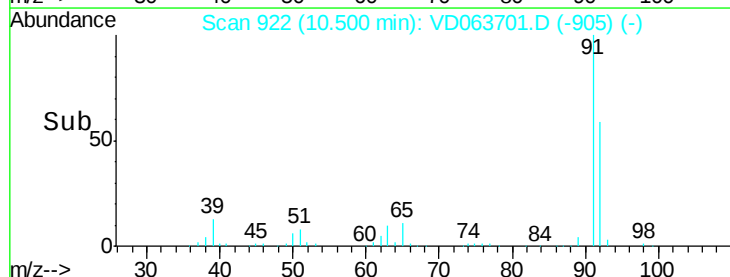
200000

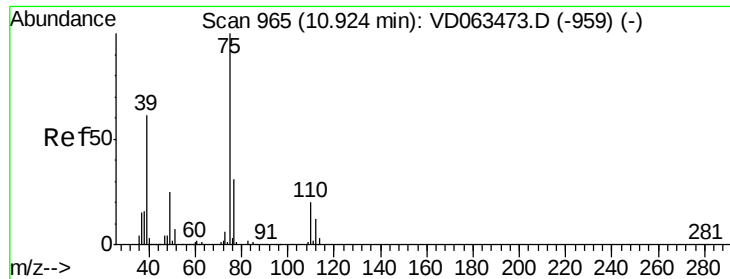
100000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 20.762 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

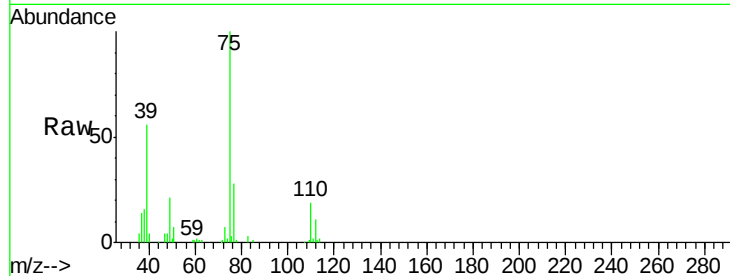
VD0820SBSD02

Tot Ion: 75 Resp: 218746

Ion Ratio Lower Upper

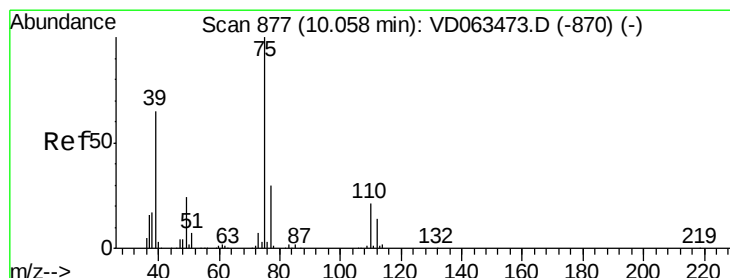
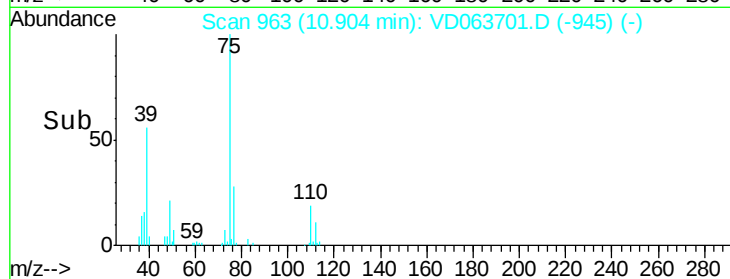
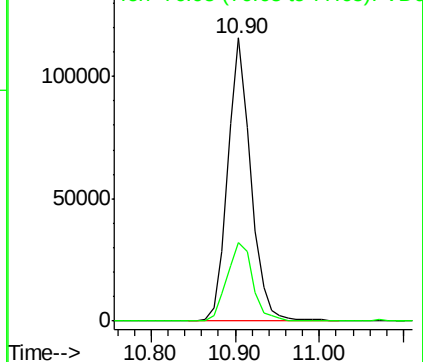
75 100

77 27.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.926 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

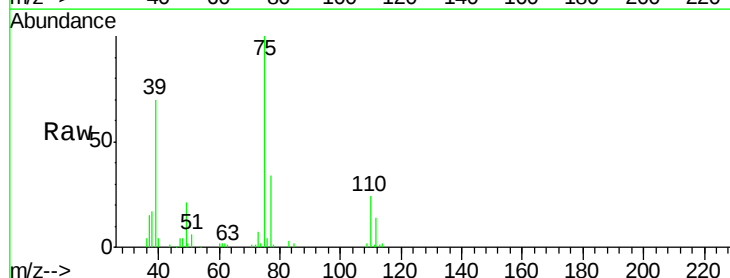
Tgt Ion: 75 Resp: 248601

Ion Ratio Lower Upper

75 100

77 34.5 23.7 35.5

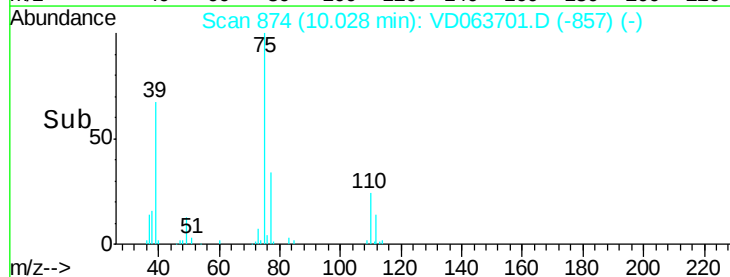
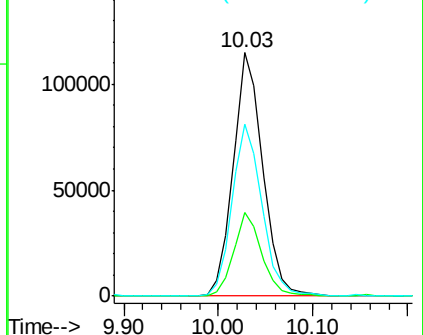
39 70.4 52.2 78.4

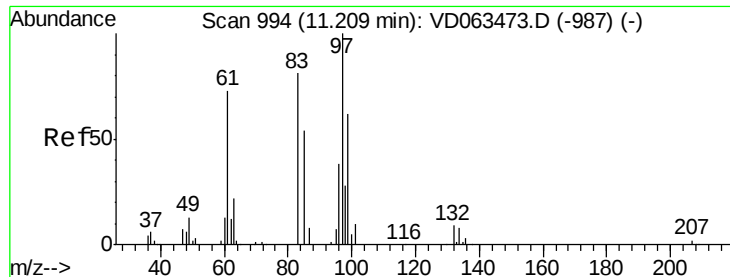


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

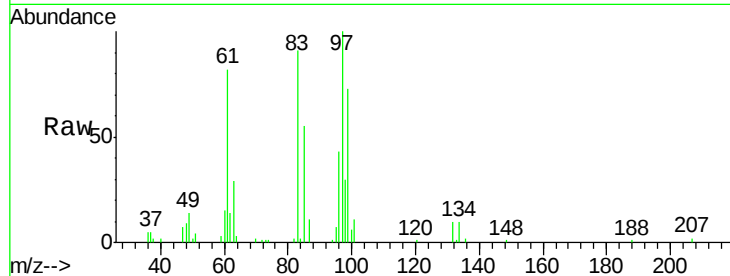




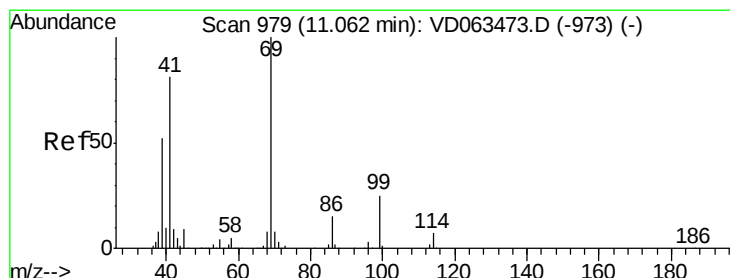
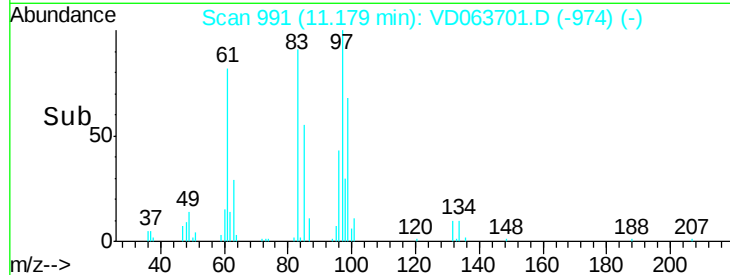
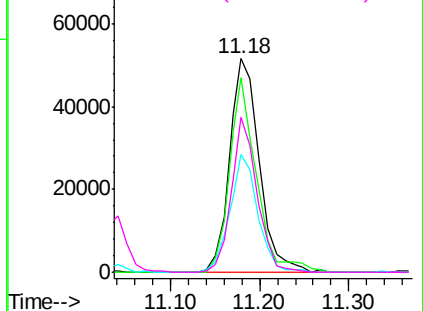
#55
 1,1,2-Trichloroethane
 Concen: 21.843 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

Tot Ion:	97	Resp:	120268
Ion	Ratio	Lower	Upper
97	100		
83	90.9	64.7	97.1
85	55.2	42.9	64.3
99	72.7	49.7	74.5

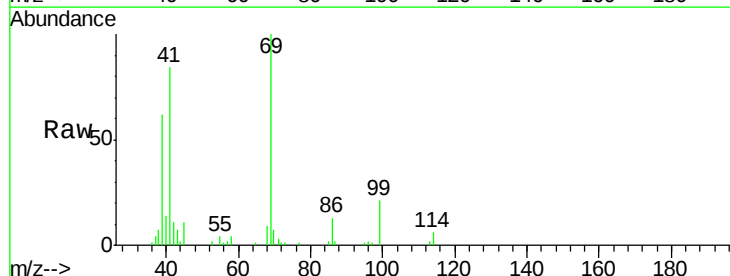


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

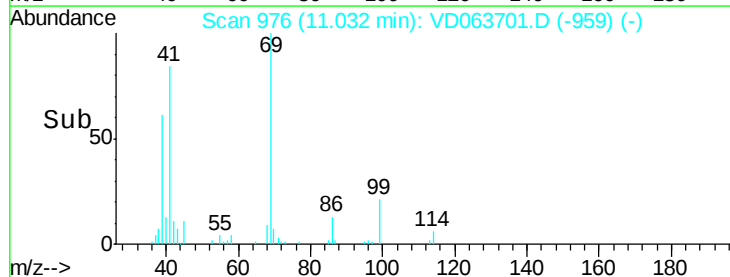
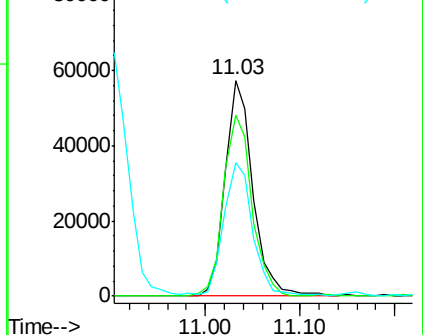


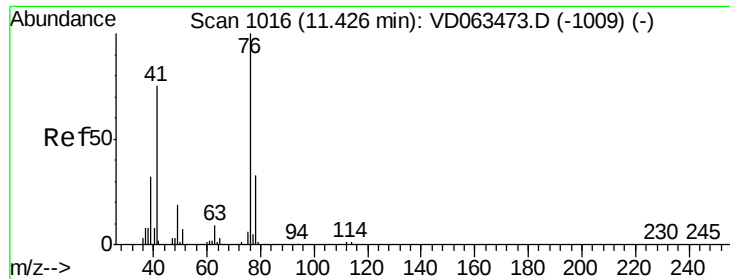
#56
 Ethyl methacrylate
 Concen: 19.414 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion:	69	Resp:	116022
Ion	Ratio	Lower	Upper
69	100		
41	83.7	64.8	97.2
39	61.7	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: 20.810 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

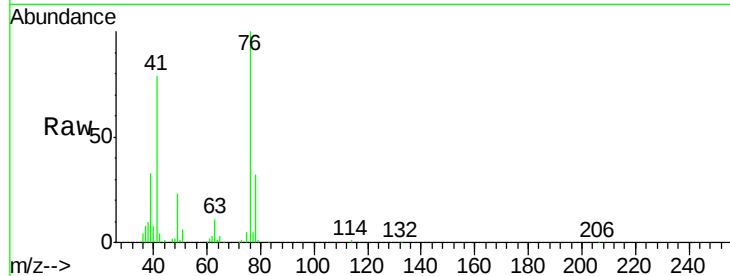
VD0820SBSD02

Tot Ion: 76 Resp: 173201

Ion Ratio Lower Upper

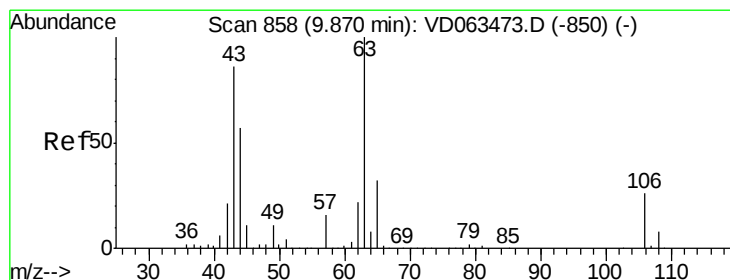
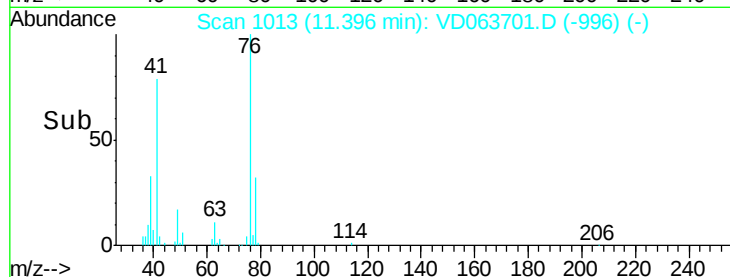
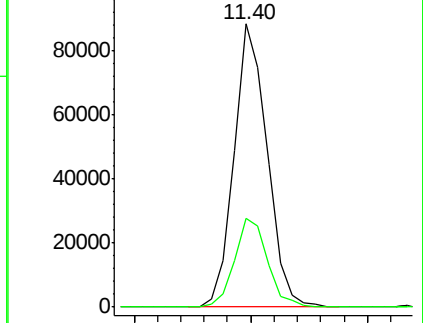
76 100

78 31.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.679 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063701.D

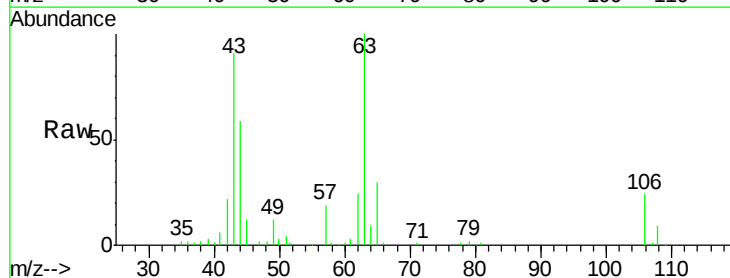
Acq: 21 Aug 2019 00:37

Tgt Ion: 63 Resp: 314496

Ion Ratio Lower Upper

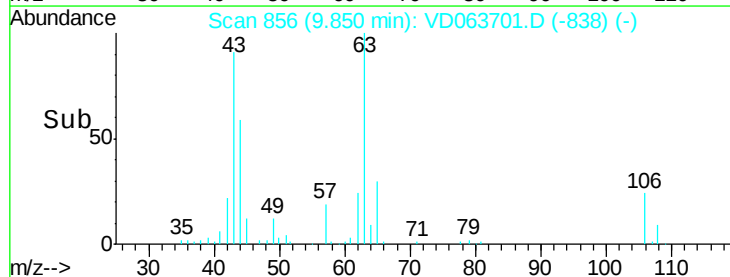
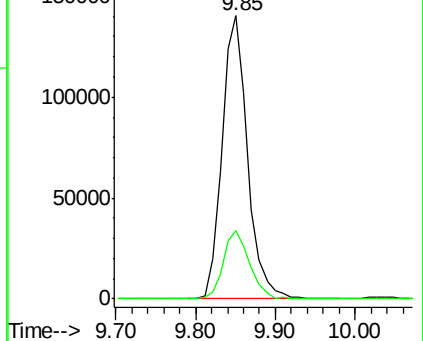
63 100

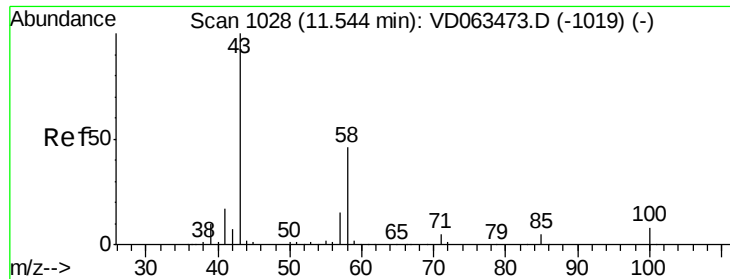
106 24.3 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

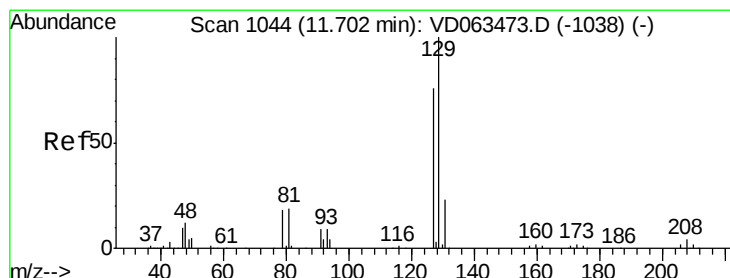
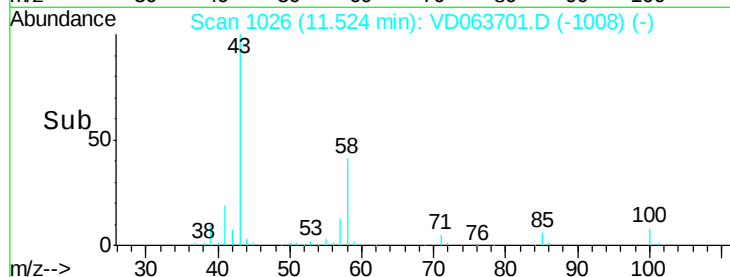
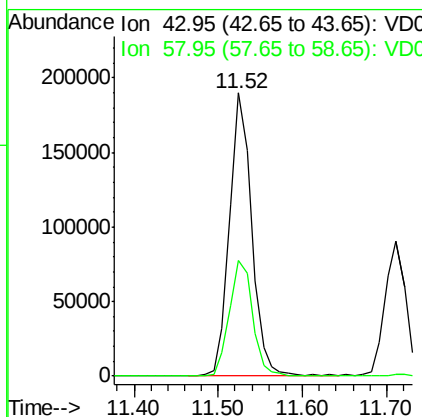
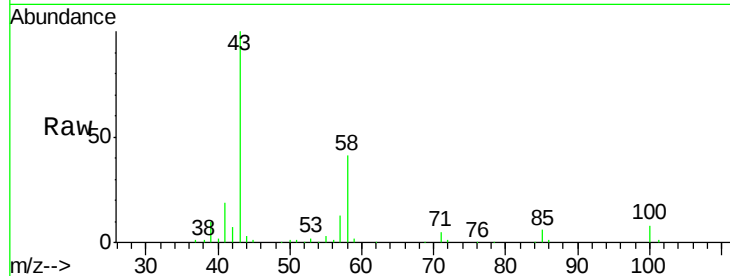




#59
2-Hexanone
Concen: 108.981 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

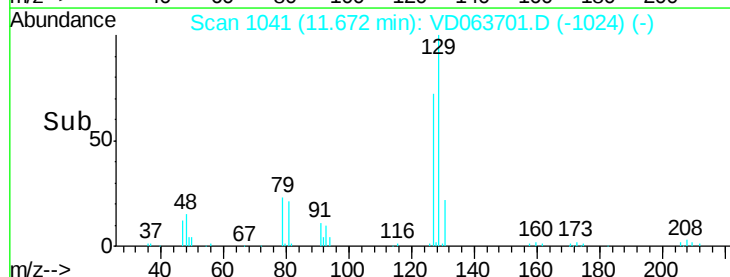
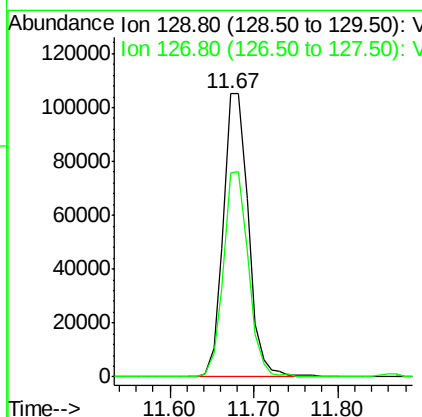
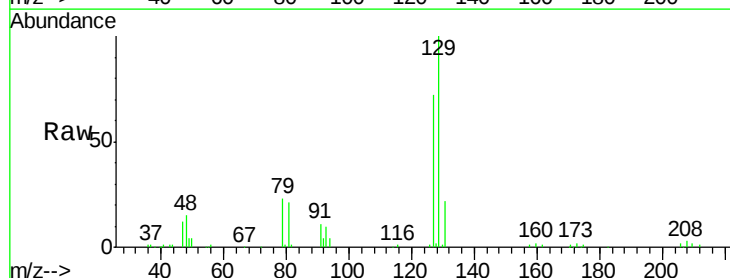
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

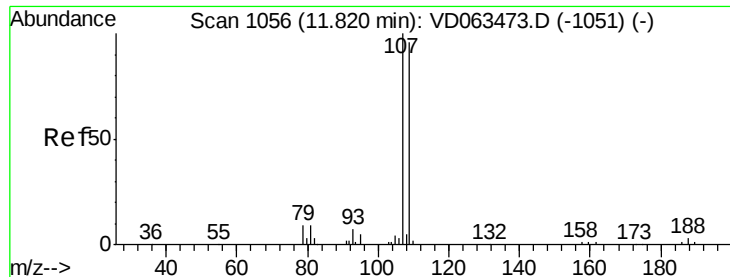
Tot Ion: 43 Resp: 350194
Ion Ratio Lower Upper
43 100
58 40.7 23.1 69.2



#60
Dibromochloromethane
Concen: 21.775 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 129 Resp: 218170
Ion Ratio Lower Upper
129 100
127 71.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.623 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

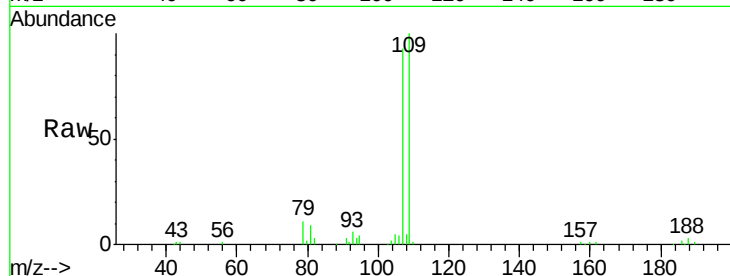
VD0820SBSD02

Tot Ion:107 Resp: 137465

Ion Ratio Lower Upper

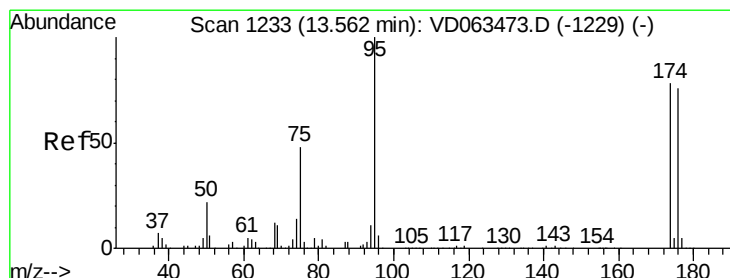
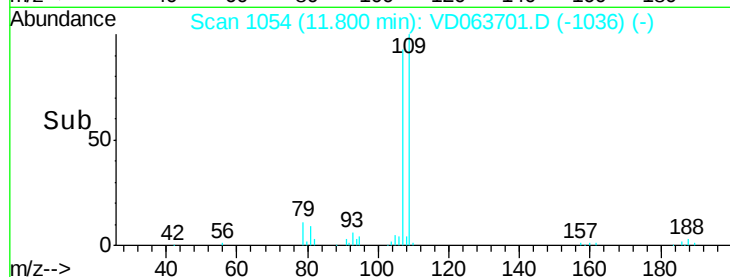
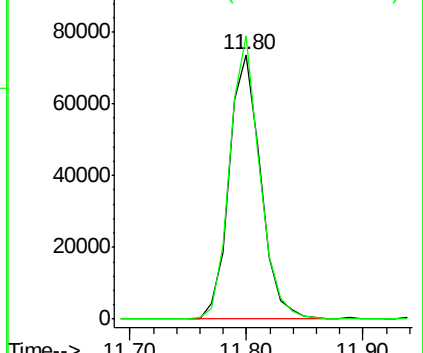
107 100

109 107.1 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.680 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

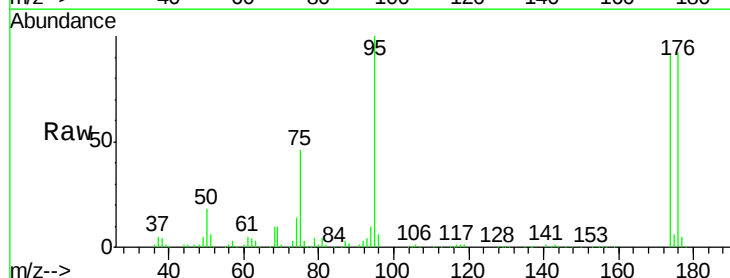
Tgt Ion: 95 Resp: 520528

Ion Ratio Lower Upper

95 100

174 91.0 0.0 155.4

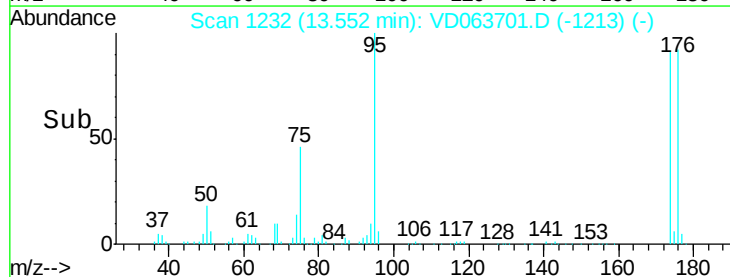
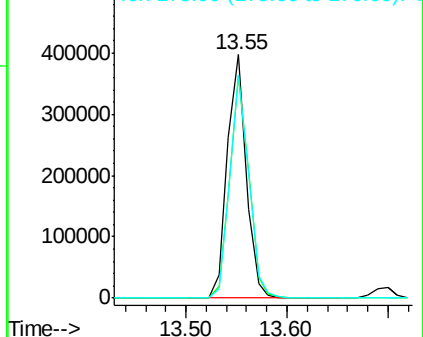
176 91.5 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

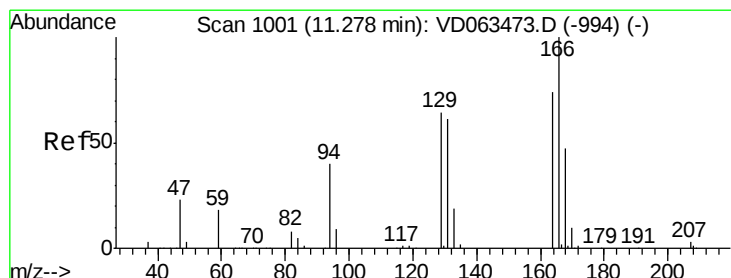
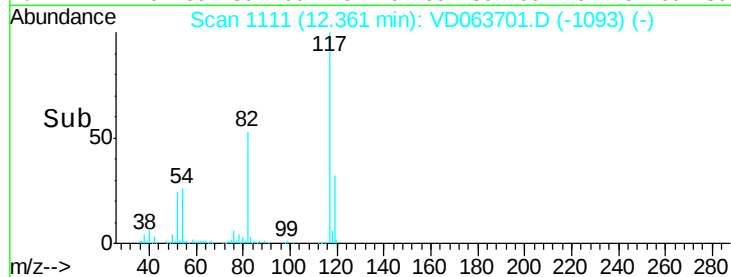
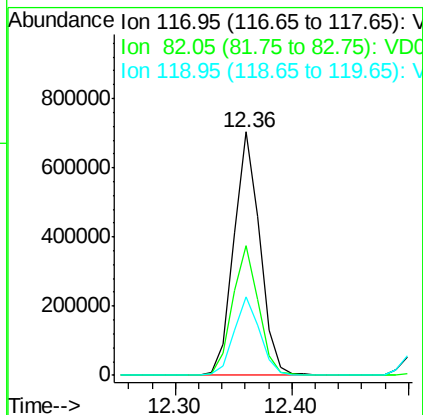
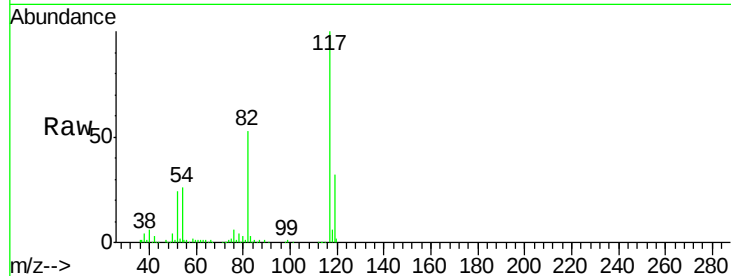




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

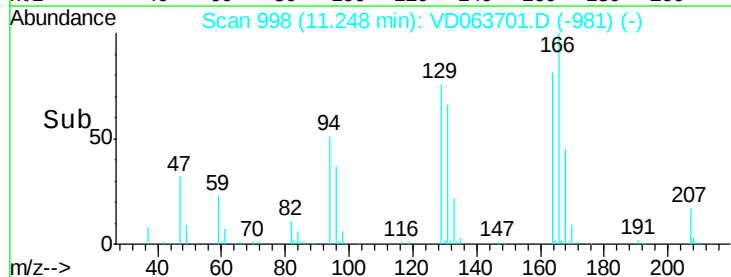
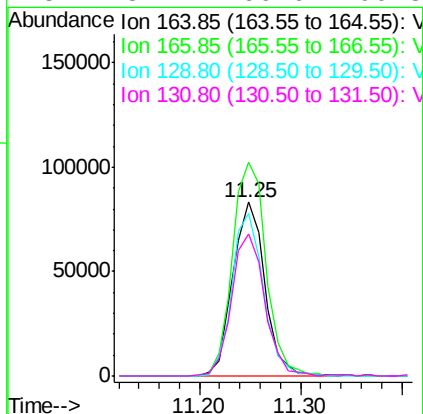
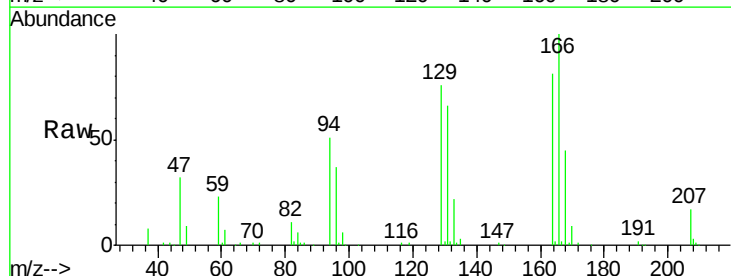
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

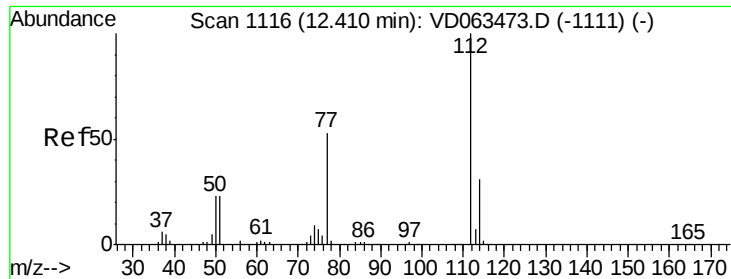
Tot Ion:117 Resp: 1090936
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 21.717 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:164 Resp: 182899
Ion Ratio Lower Upper
164 100
166 122.9 108.6 163.0
129 93.2 69.0 103.6
131 81.4 66.6 99.8

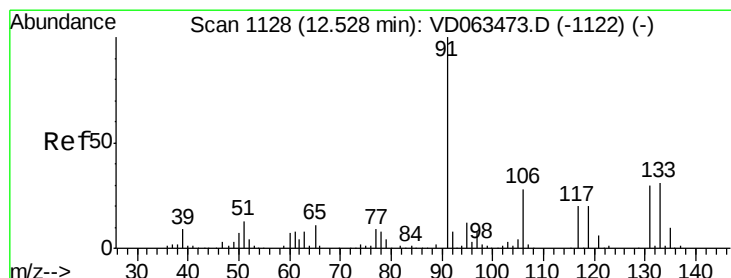
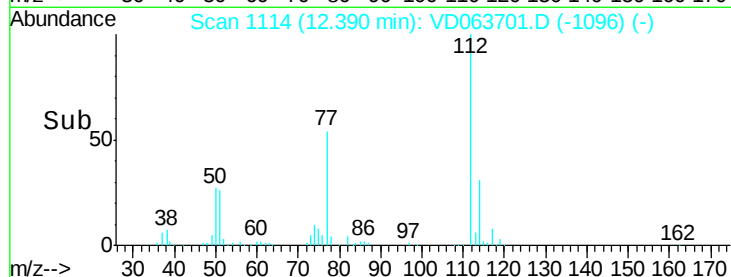
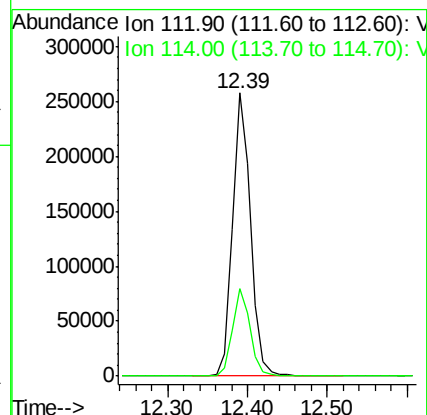
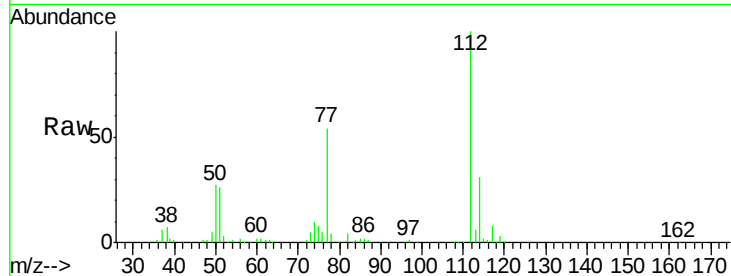




#65
Chlorobenzene
Concen: 20.110 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

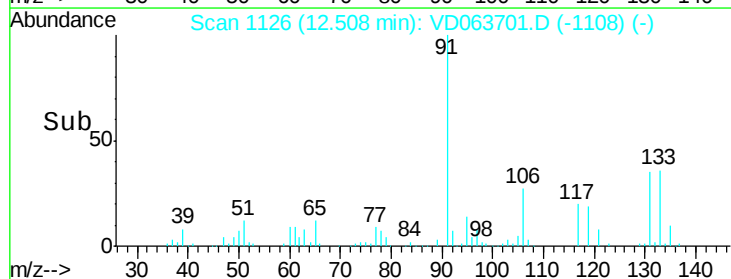
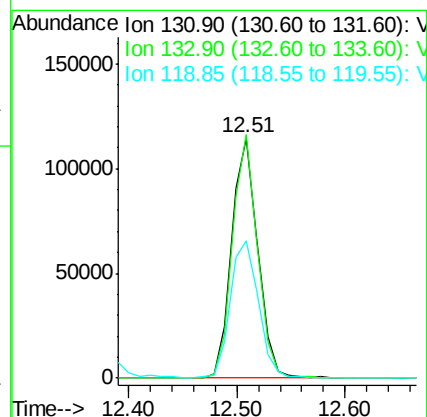
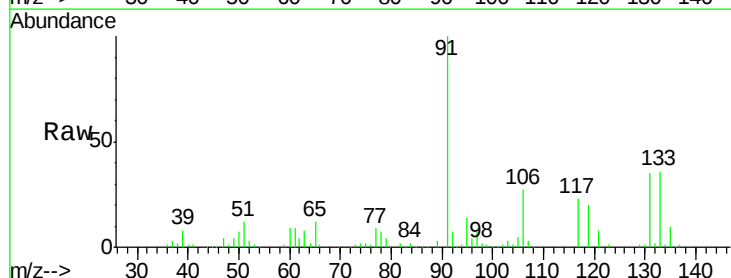
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

Tot Ion:112 Resp: 411184
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.357 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:131 Resp: 192182
Ion Ratio Lower Upper
131 100
133 101.3 51.1 153.3
119 57.3 33.1 99.3

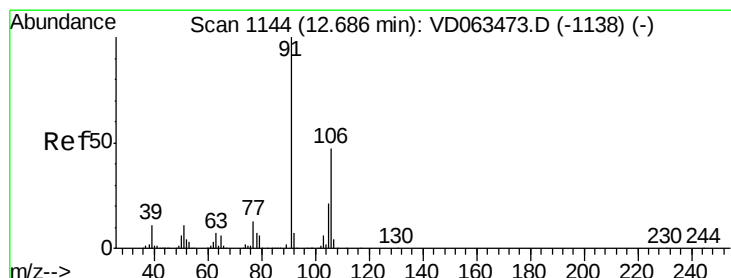
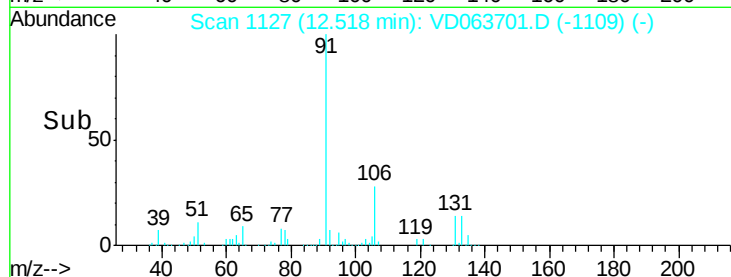
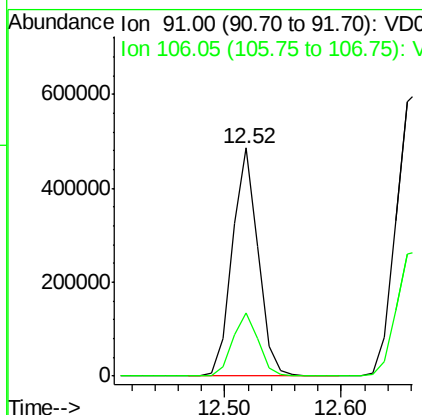
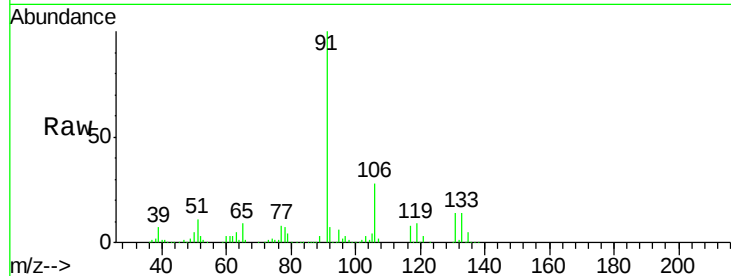




#67
Ethyl Benzene
Concen: 20.960 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

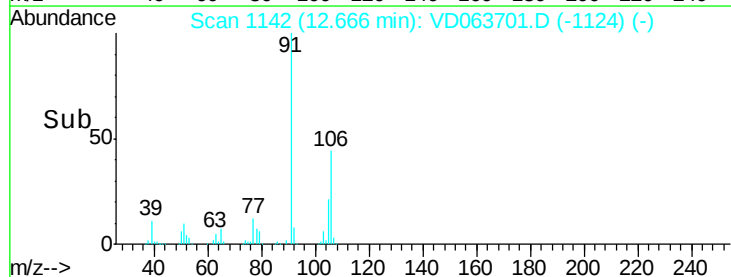
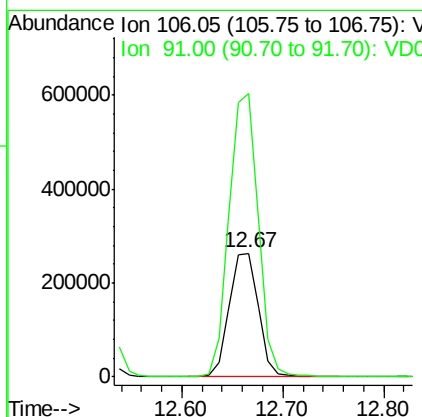
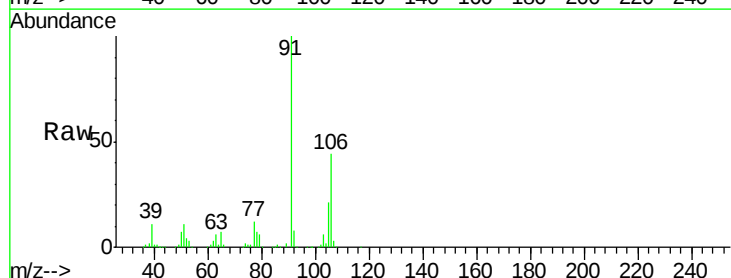
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

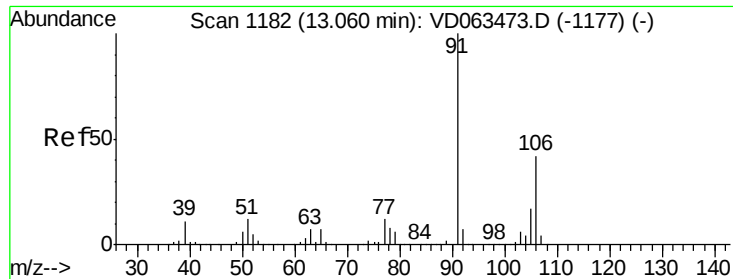
Tot Ion: 91 Resp: 745184
Ion Ratio Lower Upper
91 100
106 27.9 23.1 34.7



#68
m/p-Xylenes
Concen: 42.238 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 106 Resp: 527570
Ion Ratio Lower Upper
106 100
91 228.5 171.8 257.8

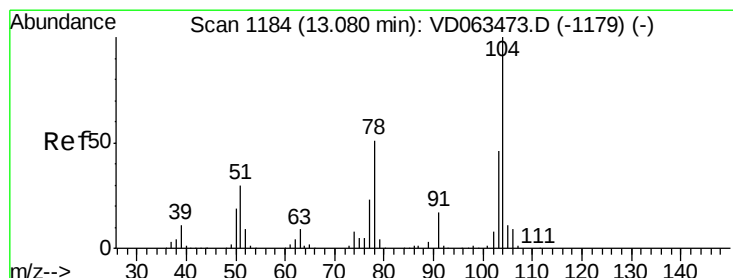
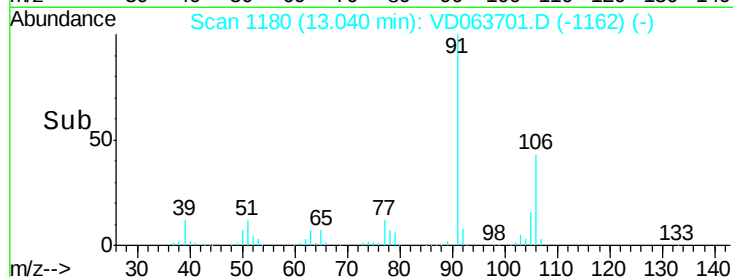
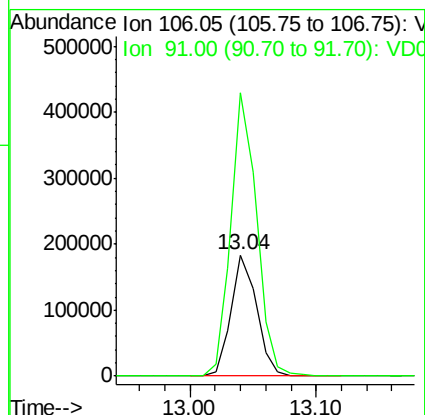
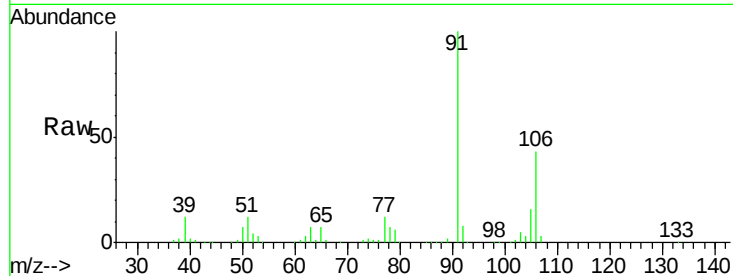




#69
o-Xylene
Concen: 21.461 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

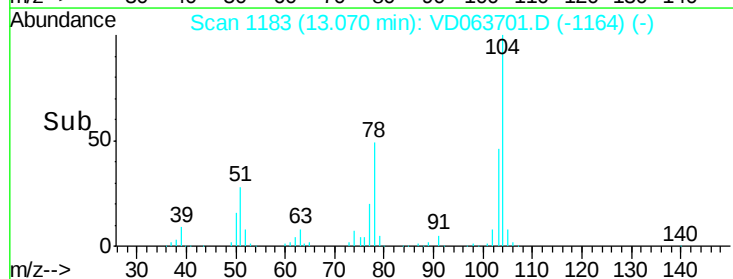
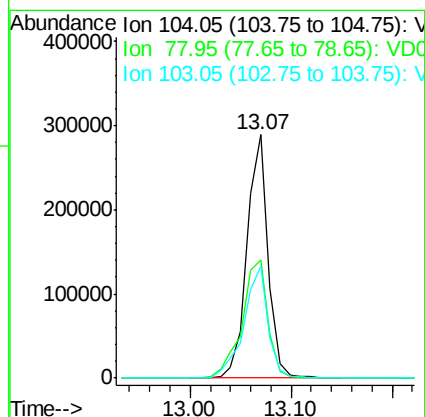
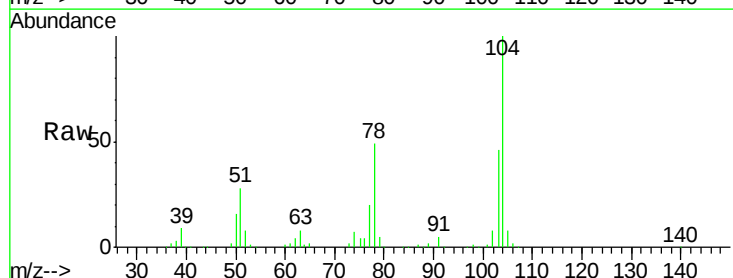
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

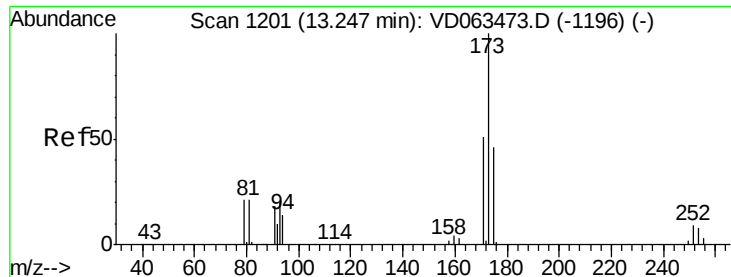
Tot Ion:106 Resp: 258001
Ion Ratio Lower Upper
106 100
91 233.5 118.1 354.2



#70
Styrene
Concen: 19.756 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:104 Resp: 422454
Ion Ratio Lower Upper
104 100
78 48.6 40.8 61.2
103 46.0 36.4 54.6

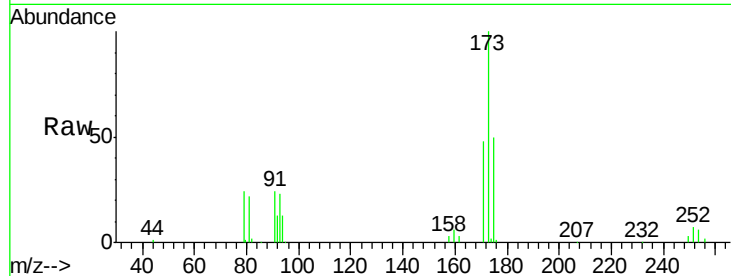




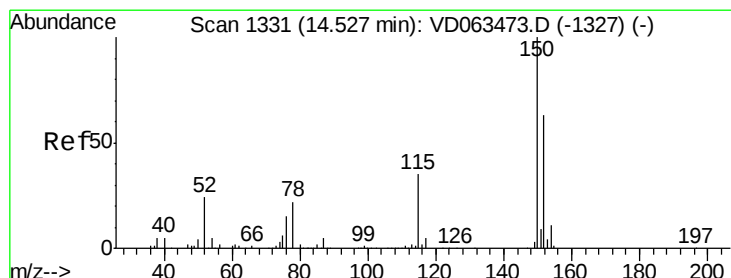
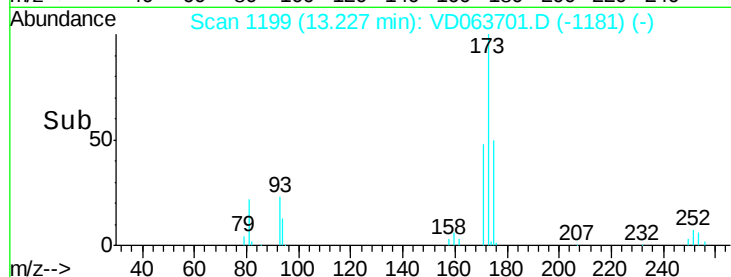
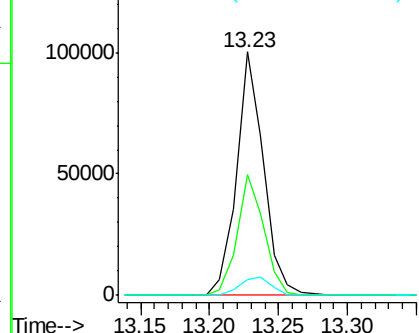
#71
Bromoform
Concen: 22.149 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

Tot Ion:173 Resp: 136667
Ion Ratio Lower Upper
173 100
175 49.8 22.8 68.3
254 6.4 6.6 9.8#

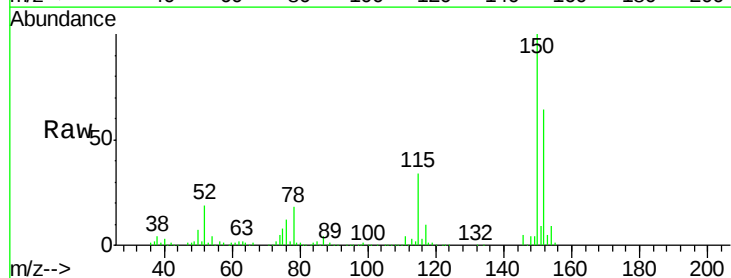


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

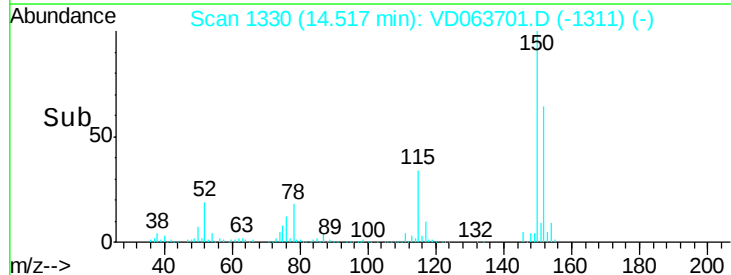
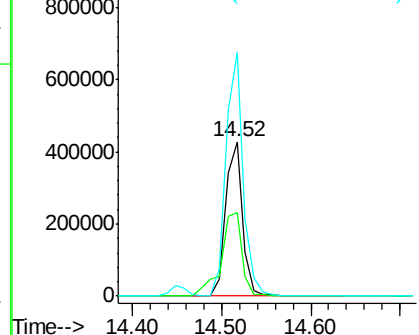


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:152 Resp: 572752
Ion Ratio Lower Upper
152 100
115 54.0 30.9 92.7
150 157.5 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: 21.854 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

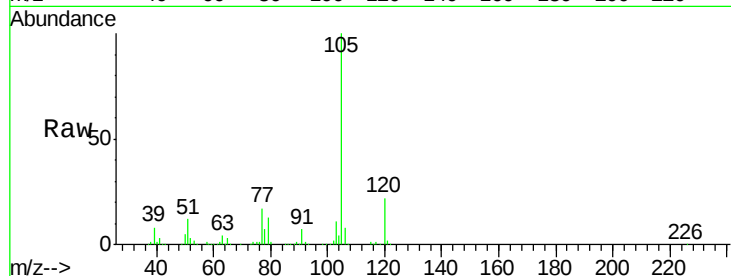
VD0820SBSD02

Tot Ion:105 Resp: 796138

Ion Ratio Lower Upper

105 100

120 22.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

0

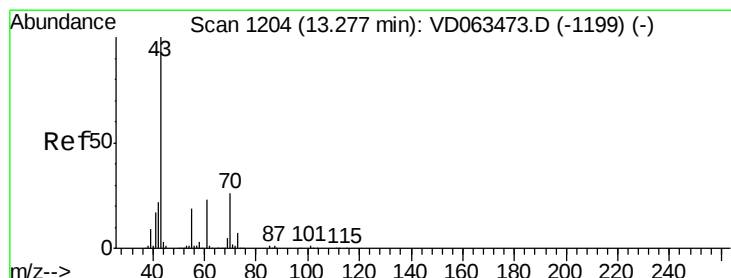
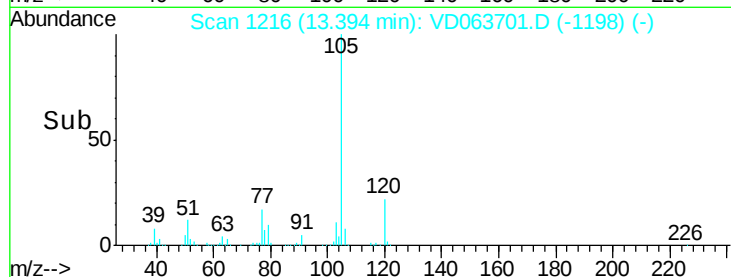
13.39

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.057 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Tgt Ion: 43 Resp: 183421

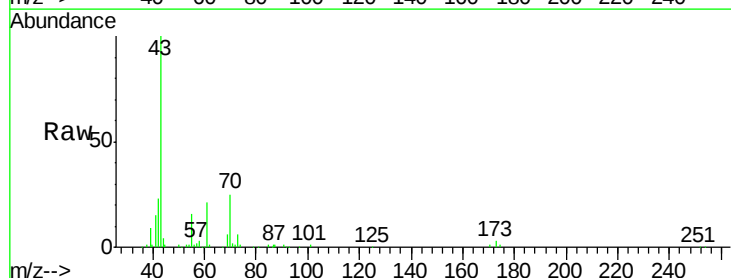
Ion Ratio Lower Upper

43 100

70 24.7 21.1 31.7

55 15.9 15.4 23.0

61 21.5 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

200000

150000

100000

50000

0

13.26

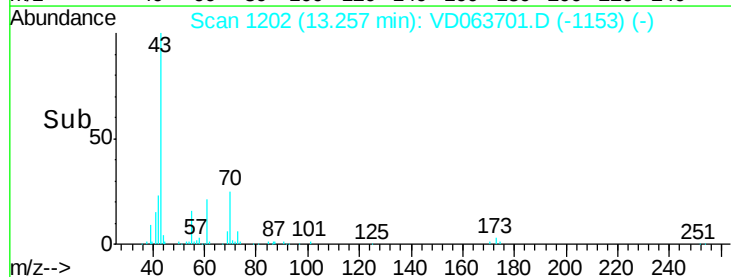
13.10

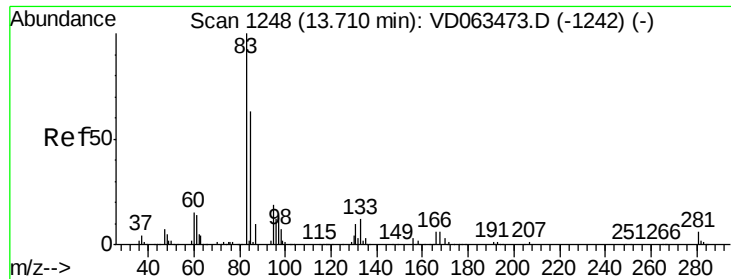
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.356 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

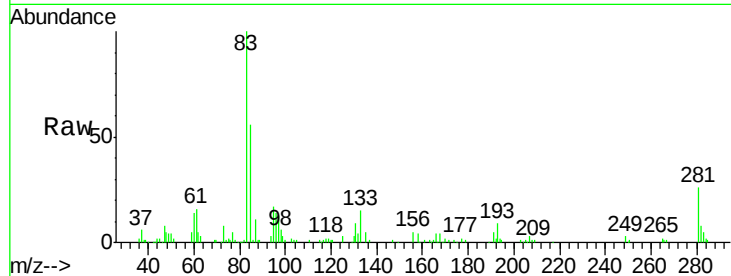
Tot Ion: 83 Resp: 129132

Ion Ratio Lower Upper

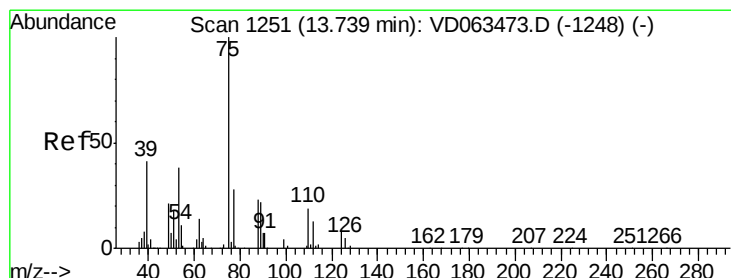
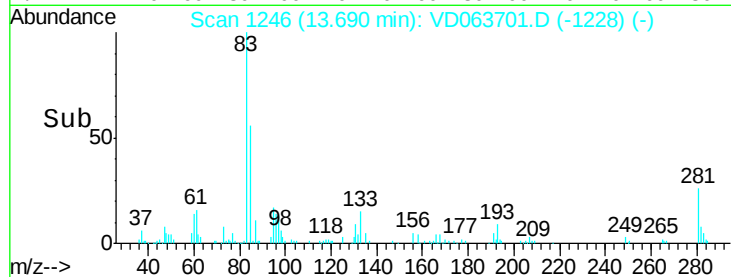
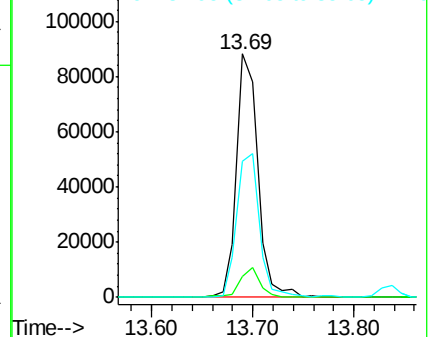
83 100

131 8.8 5.3 15.8

85 56.0 31.4 94.3



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



#76

1,2,3-Trichloropropane

Concen: 21.524 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063701.D

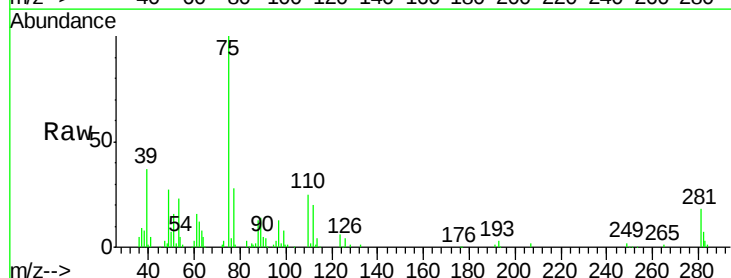
Acq: 21 Aug 2019 00:37

Tgt Ion: 75 Resp: 141482

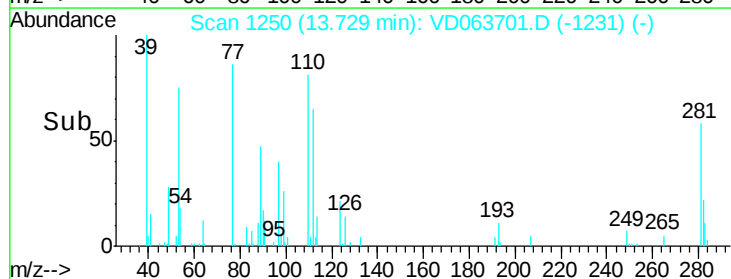
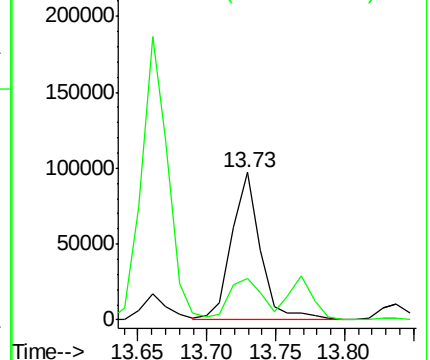
Ion Ratio Lower Upper

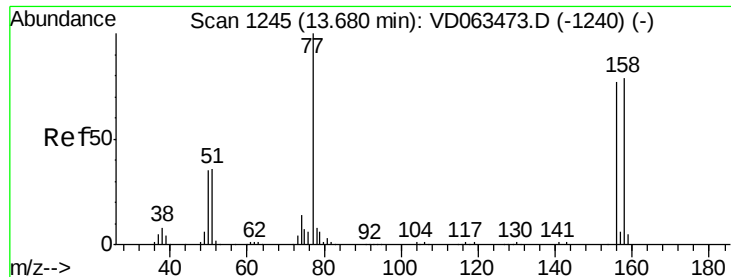
75 100

77 28.5 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: 20.120 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

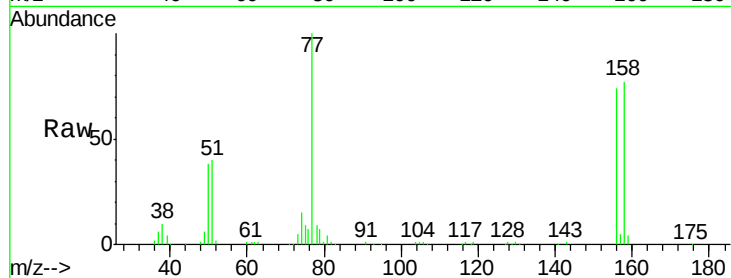
Tot Ion:156 Resp: 200322

Ion Ratio Lower Upper

156 100

77 134.4 64.6 193.8

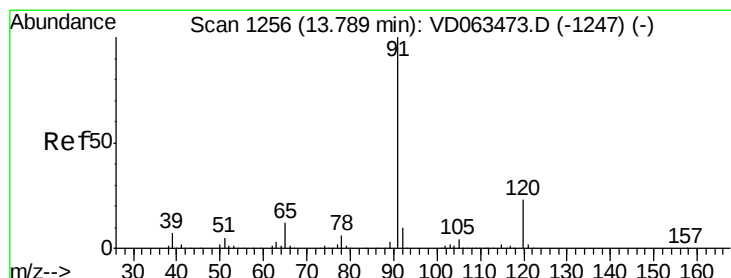
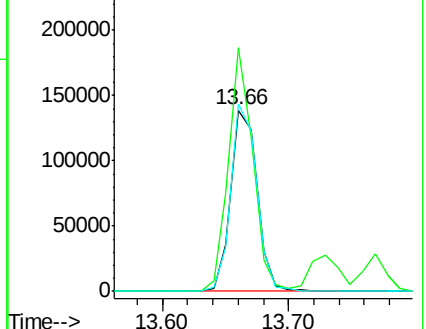
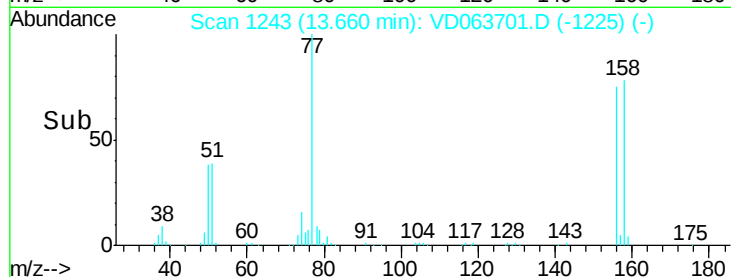
158 103.2 50.9 152.7



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: 21.433 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063701.D

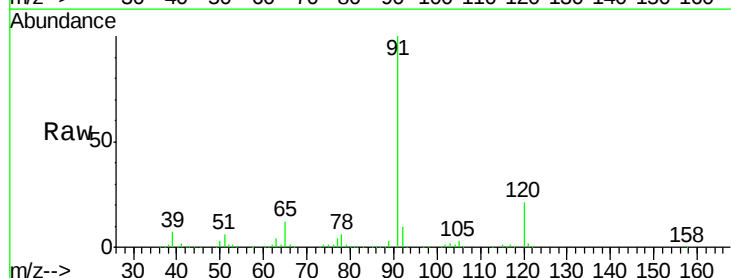
Acq: 21 Aug 2019 00:37

Tgt Ion: 91 Resp: 913565

Ion Ratio Lower Upper

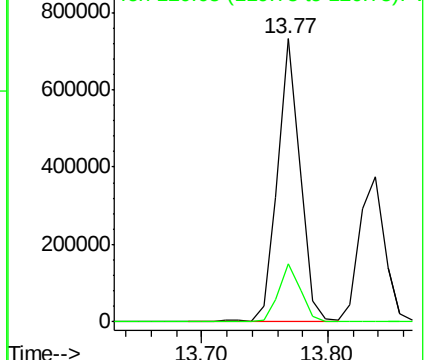
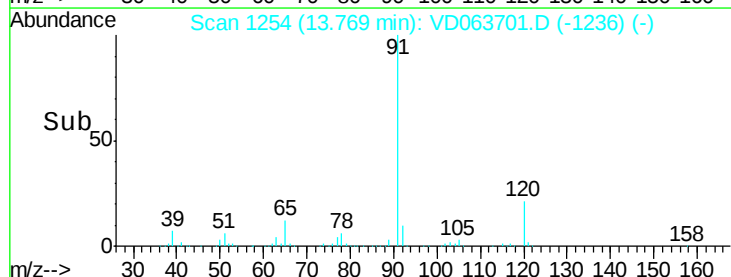
91 100

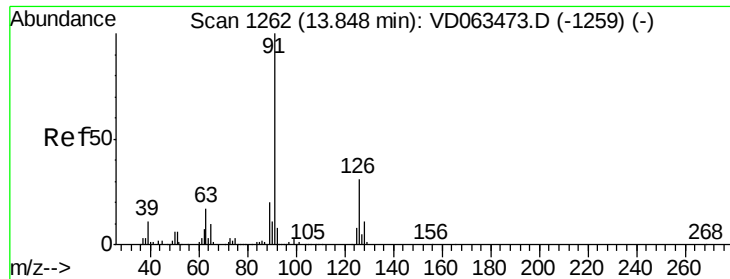
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

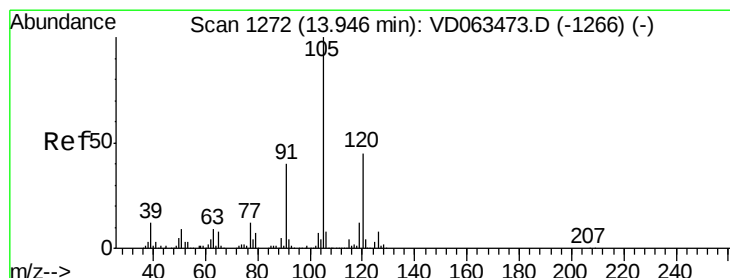
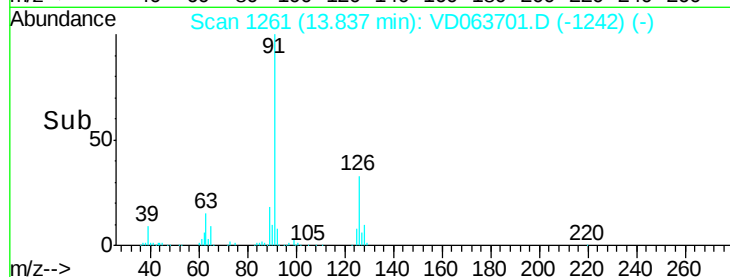
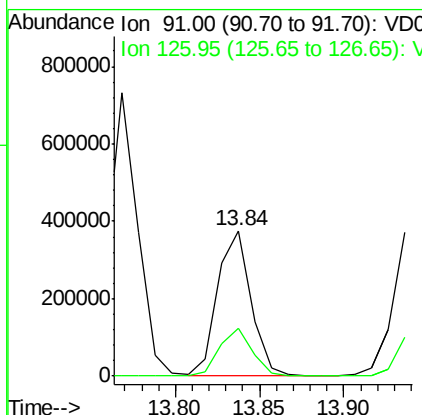
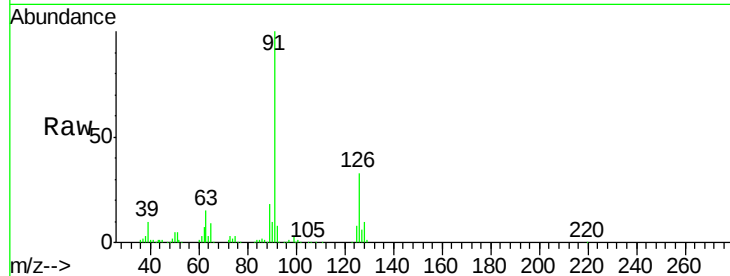




#79
 2-Chlorotoluene
 Concen: 21.137 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

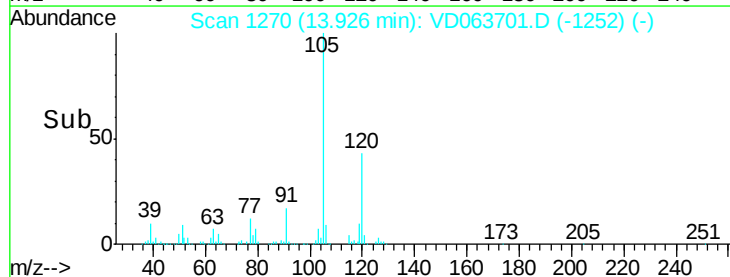
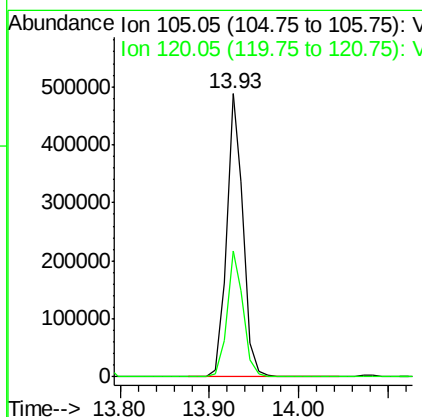
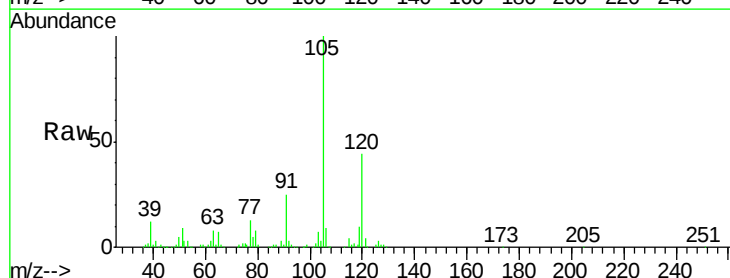
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

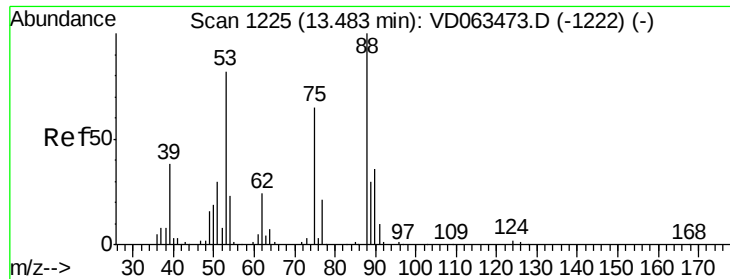
Tot Ion: 91 Resp: 519475
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.961 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion: 105 Resp: 635357
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.716 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBSD02

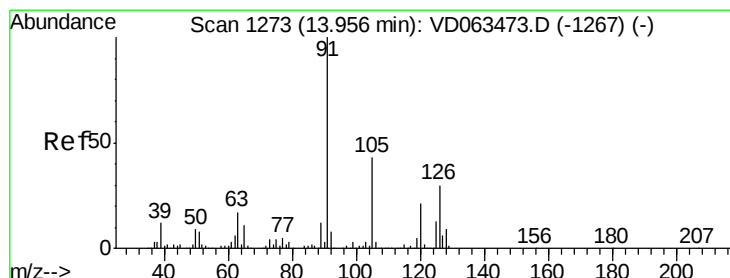
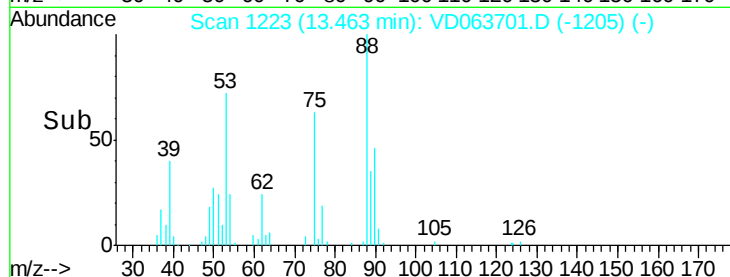
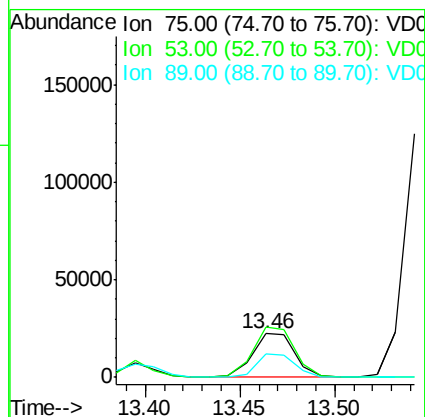
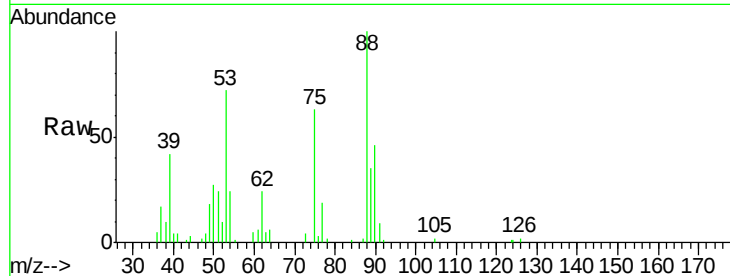
Tot Ion: 75 Resp: 34832

Ion Ratio Lower Upper

75 100

53 113.8 101.0 151.4

89 54.7 37.0 55.6



#82

4-Chlorotoluene

Concen: 21.199 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063701.D

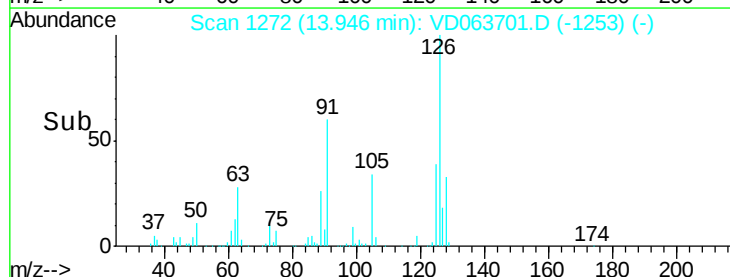
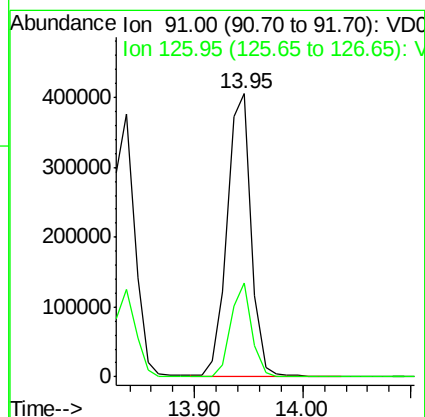
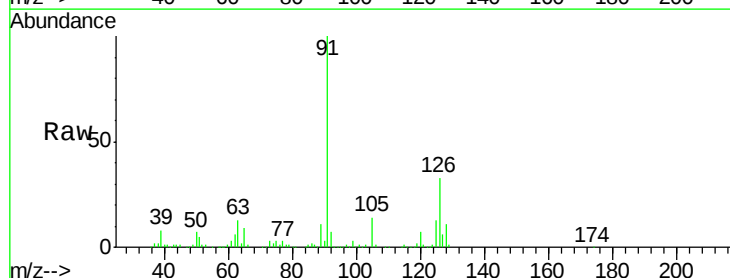
Acq: 21 Aug 2019 00:37

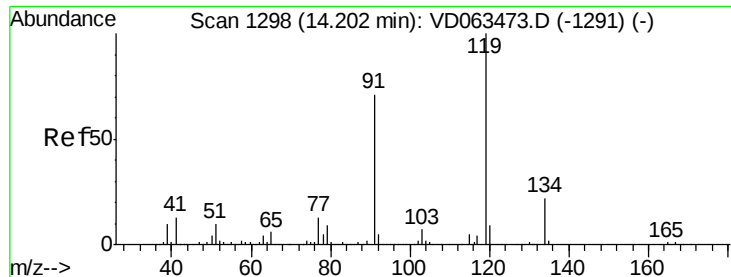
Tgt Ion: 91 Resp: 626488

Ion Ratio Lower Upper

91 100

126 33.4 15.2 45.6

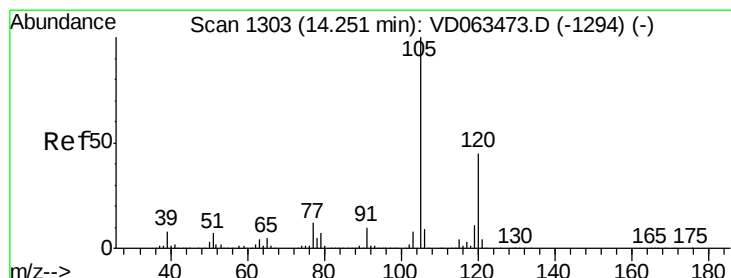
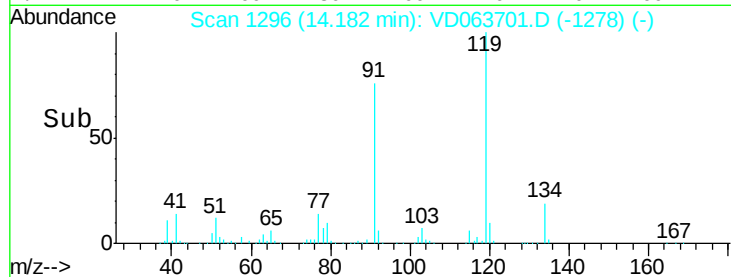
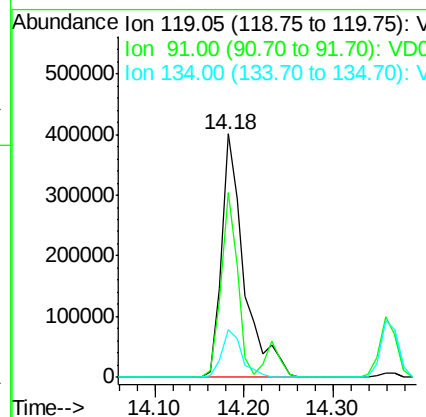
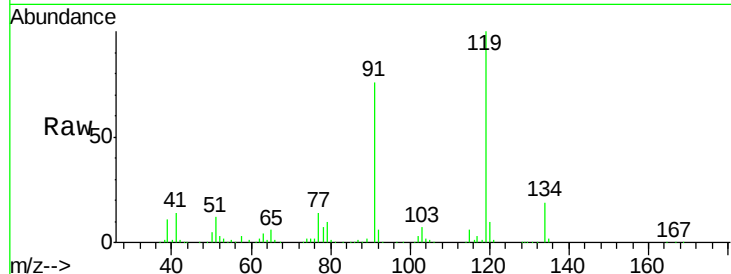




#83
 tert-Butylbenzene
 Concen: 21.256 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

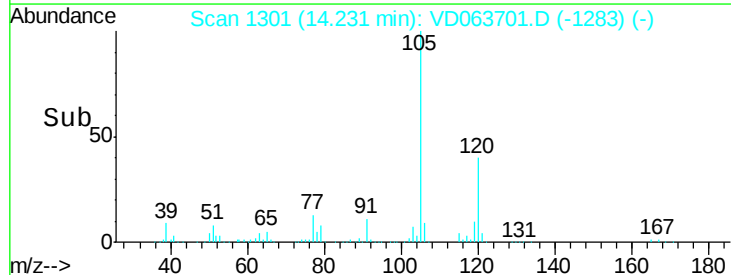
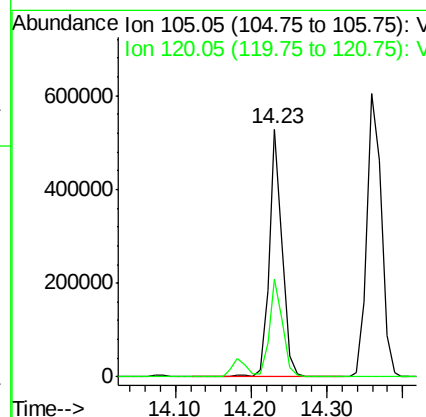
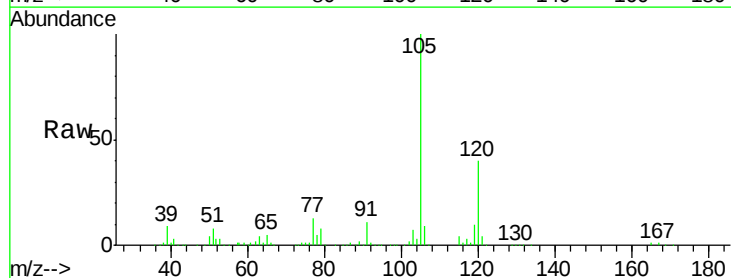
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

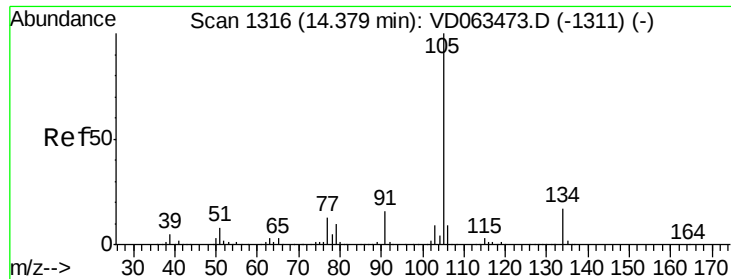
Tot Ion:119 Resp: 712470
 Ion Ratio Lower Upper
 119 100
 91 76.1 35.5 106.7
 134 19.5 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.595 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion:105 Resp: 635994
 Ion Ratio Lower Upper
 105 100
 120 39.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 22.269 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

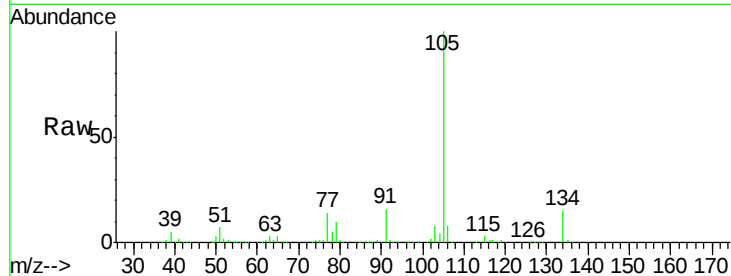
VD0820SBSD02

Tot Ion:105 Resp: 792704

Ion Ratio Lower Upper

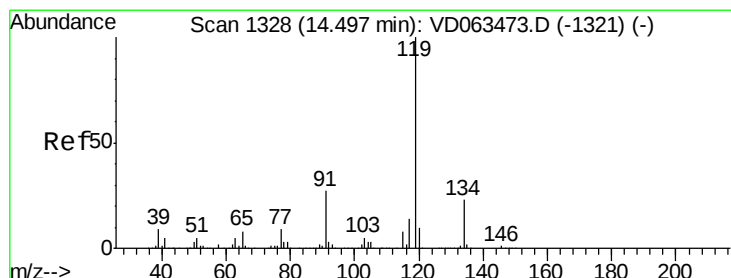
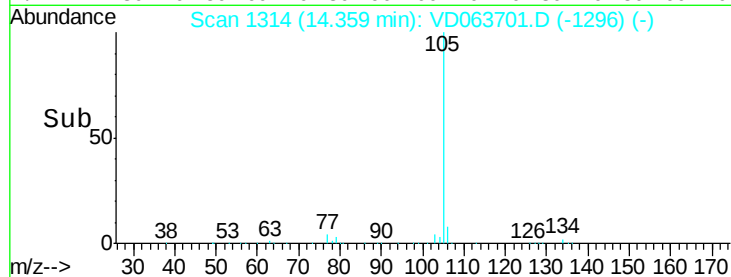
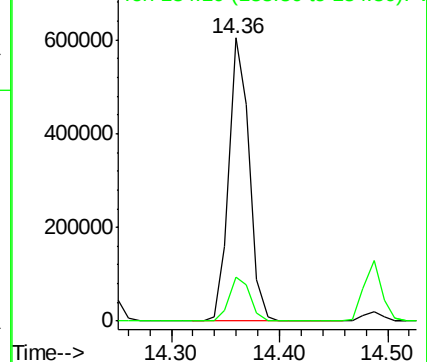
105 100

134 15.4 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.311 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063701.D

Acq: 21 Aug 2019 00:37

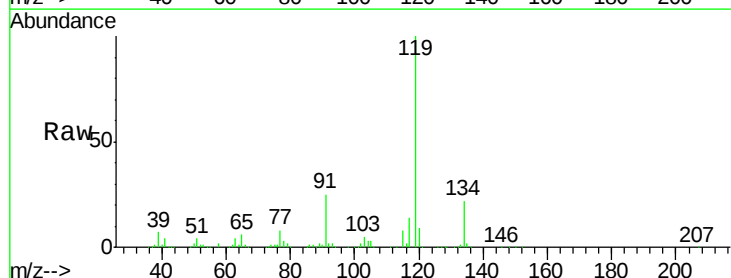
Tgt Ion:119 Resp: 691293

Ion Ratio Lower Upper

119 100

134 22.1 11.3 33.8

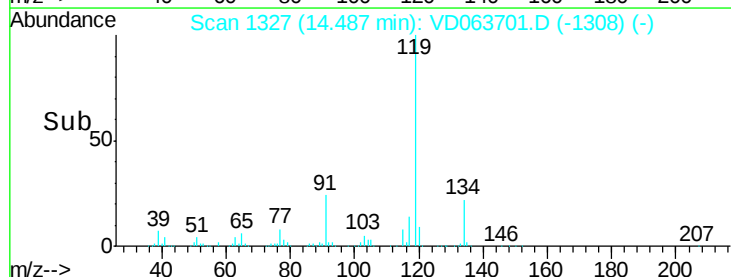
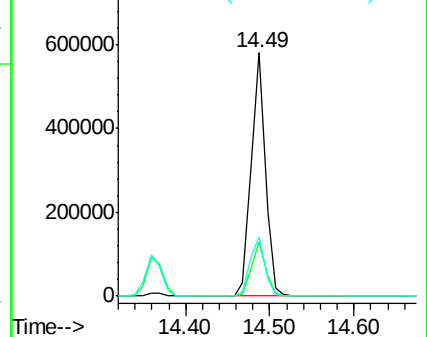
91 24.6 13.5 40.4

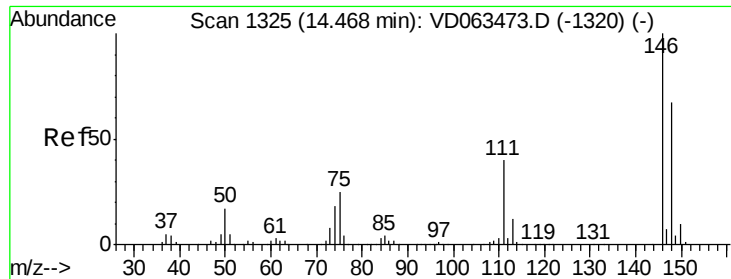


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

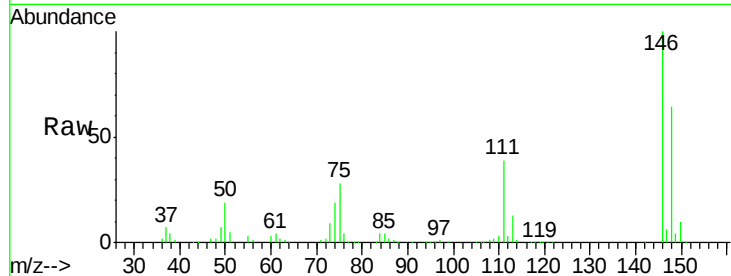




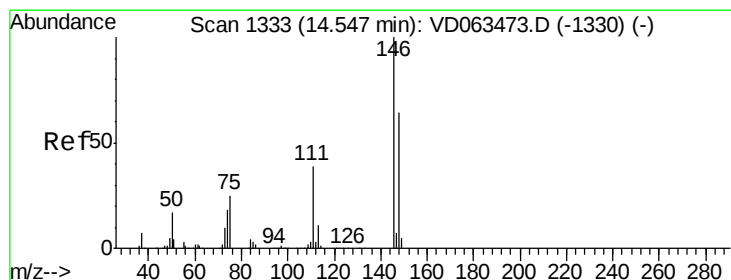
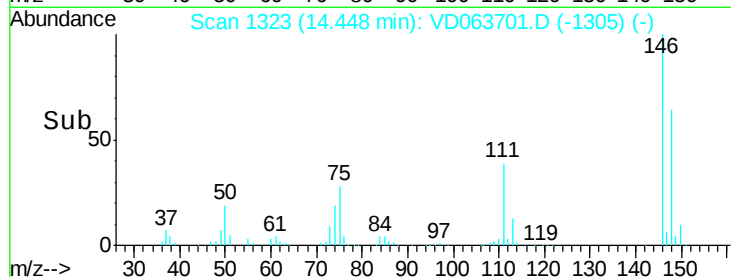
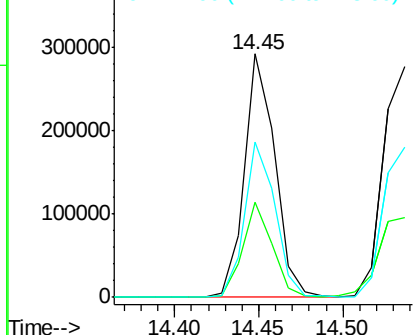
#87
 1,3-Dichlorobenzene
 Concen: 20.429 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

Tot Ion:146 Resp: 367912
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 60.0
 148 63.9 33.6 100.6

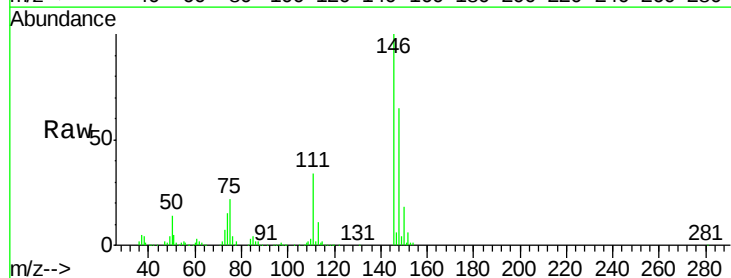


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

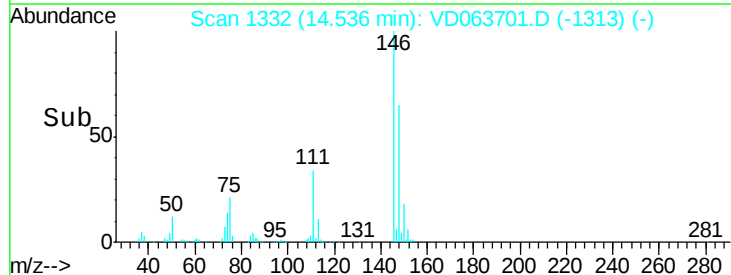
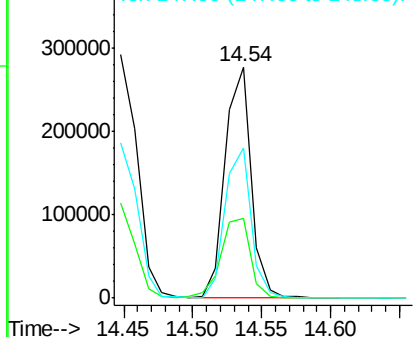


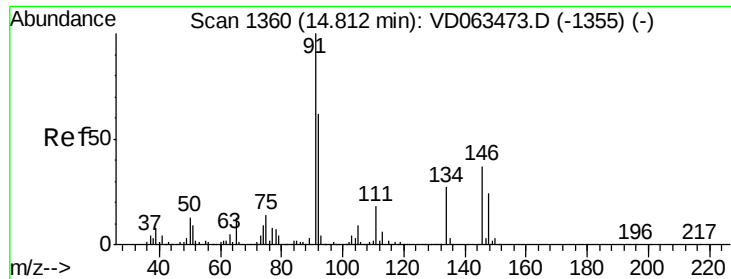
#88
 1,4-Dichlorobenzene
 Concen: 21.012 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion:146 Resp: 363054
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.7 59.0
 148 65.1 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

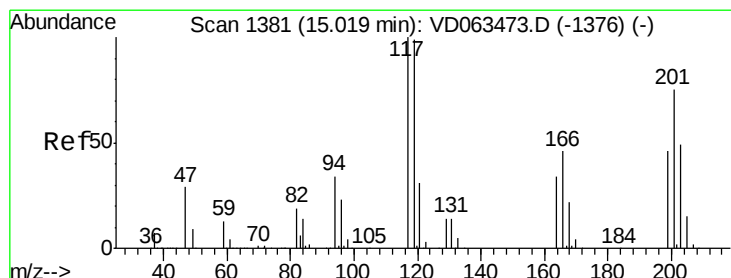
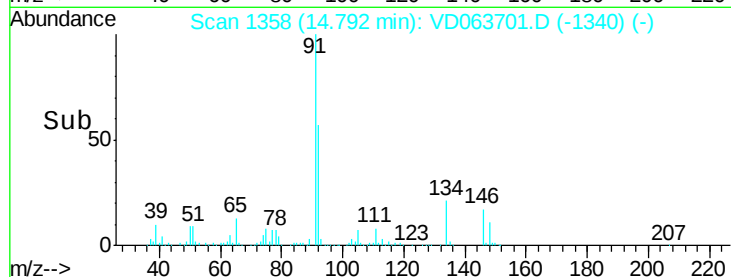
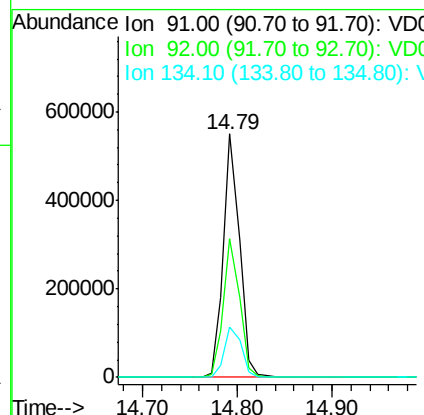
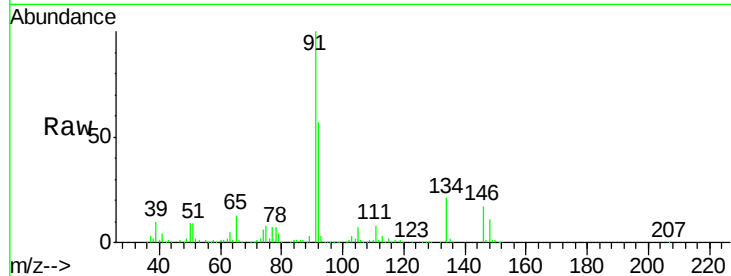




#89
n-Butylbenzene
Concen: 20.988 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

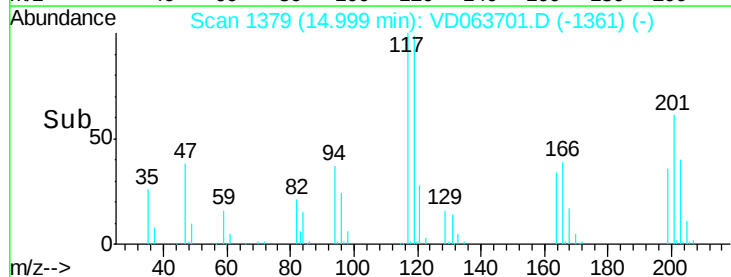
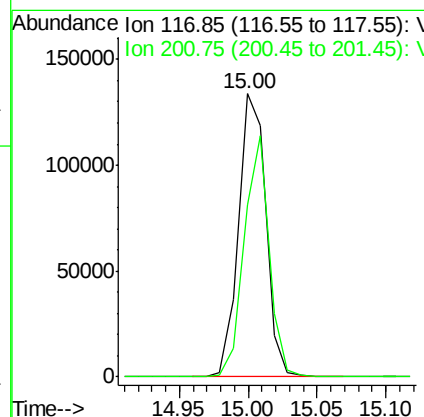
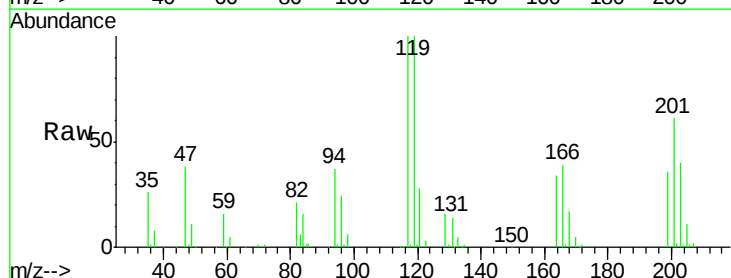
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

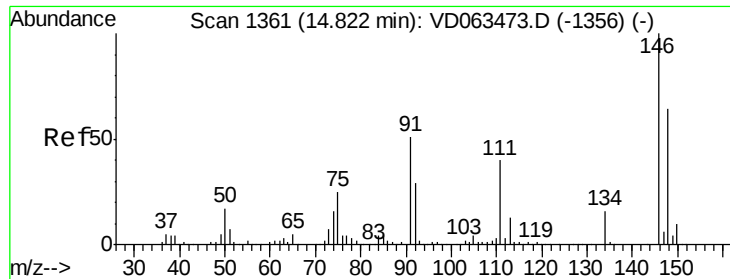
Tot Ion: 91 Resp: 651946
Ion Ratio Lower Upper
91 100
92 57.1 30.8 92.3
134 20.8 13.4 40.2



#90
Hexachloroethane
Concen: 21.718 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.02 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion: 117 Resp: 185789
Ion Ratio Lower Upper
117 100
201 60.9 37.5 112.5

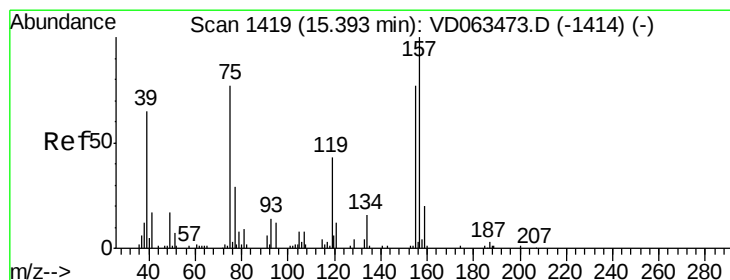
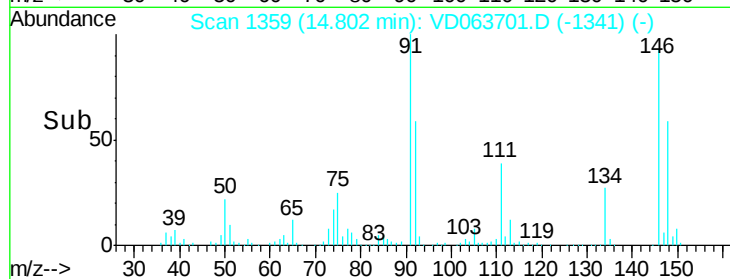
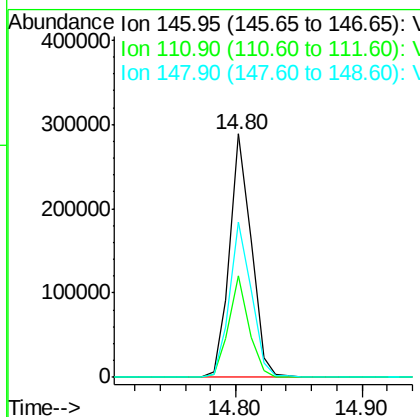
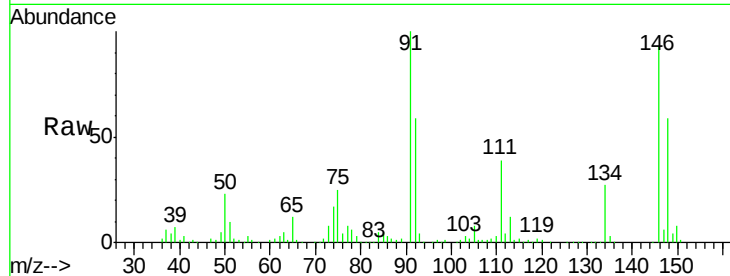




#91
 1,2-Dichlorobenzene
 Concen: 22.399 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

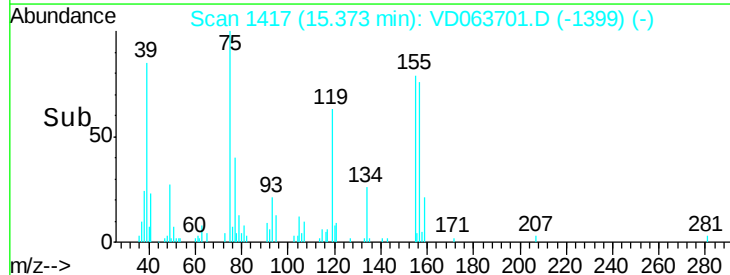
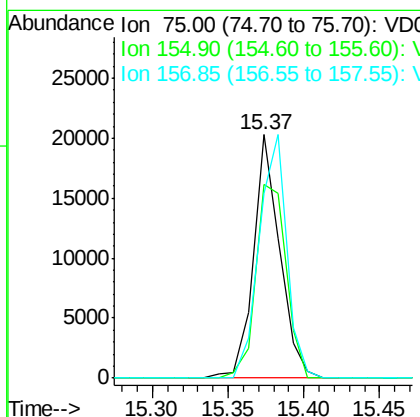
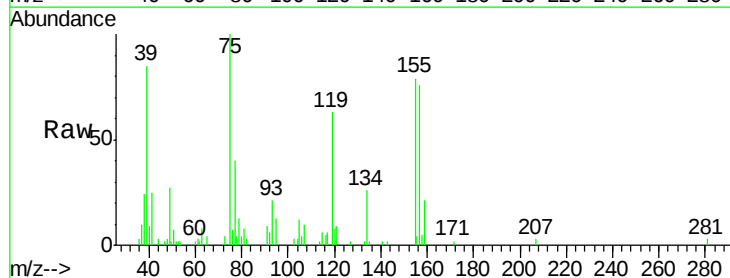
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

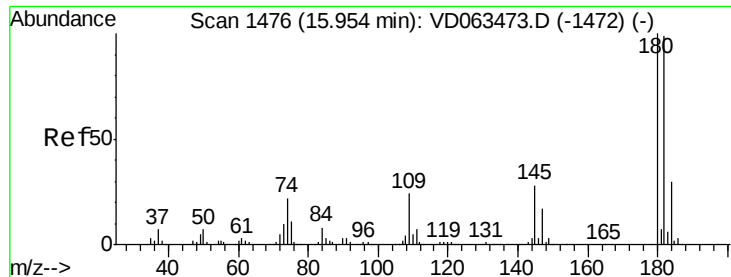
Tot Ion:146 Resp: 342256
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.2 60.6
 148 63.8 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.583 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion: 75 Resp: 24573
 Ion Ratio Lower Upper
 75 100
 155 79.3 50.1 150.3
 157 75.9 65.0 195.1

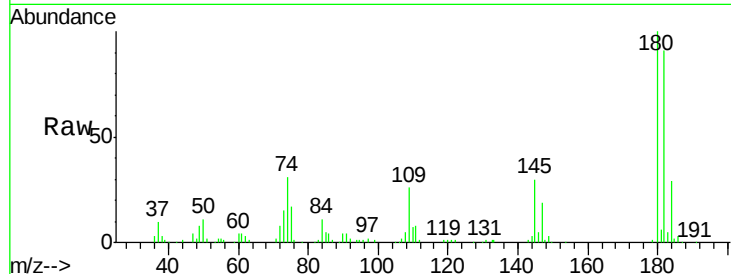




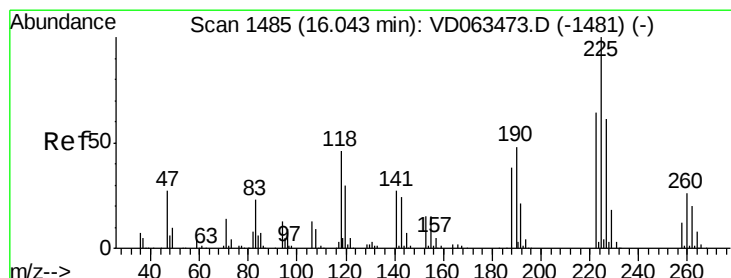
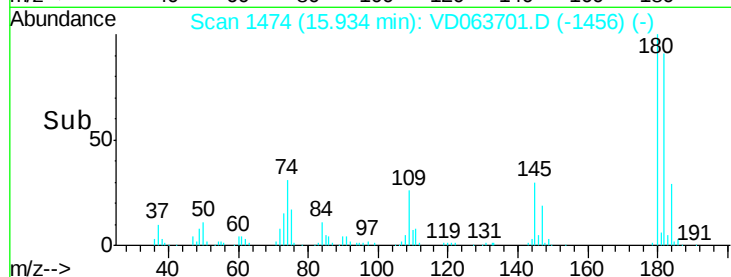
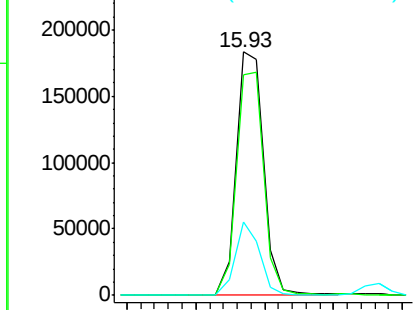
#93
 1,2,4-Trichlorobenzene
 Concen: 22.625 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD02

Tot Ion:180 Resp: 254374
 Ion Ratio Lower Upper
 180 100
 182 90.6 49.7 149.1
 145 30.3 14.1 42.2

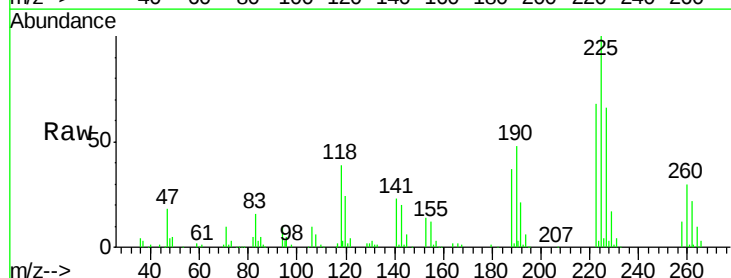


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

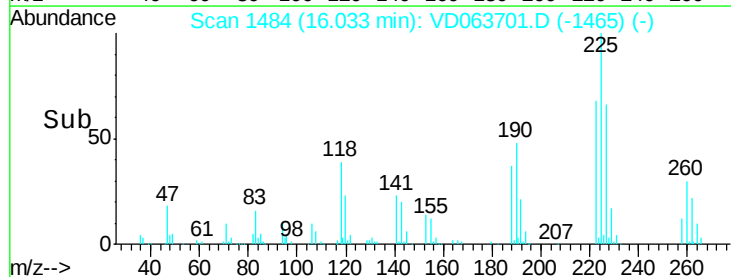
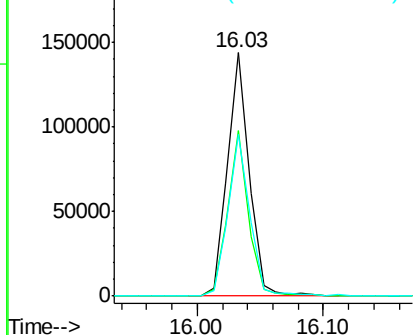


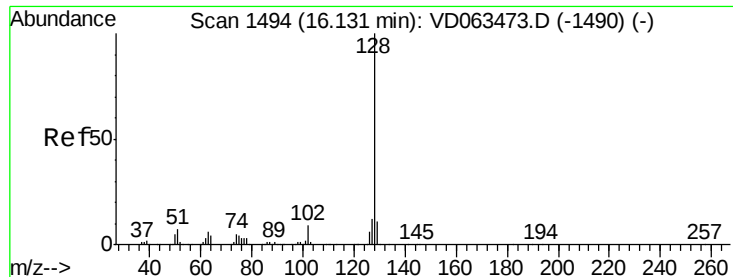
#94
 Hexachlorobutadiene
 Concen: 19.884 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063701.D
 Acq: 21 Aug 2019 00:37

Tgt Ion:225 Resp: 170383
 Ion Ratio Lower Upper
 225 100
 223 67.8 31.9 95.5
 227 66.3 30.7 92.1



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

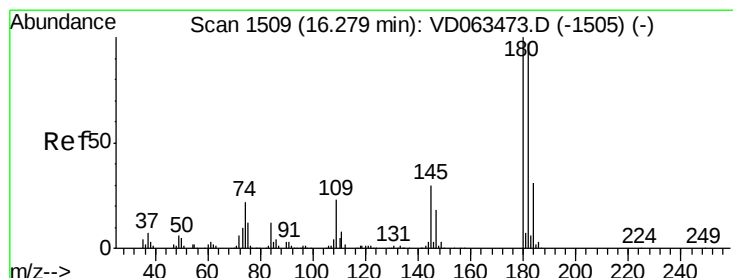
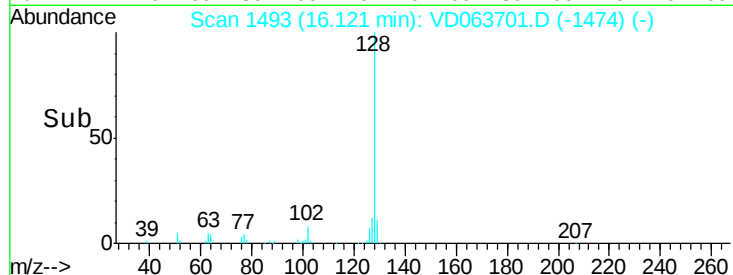
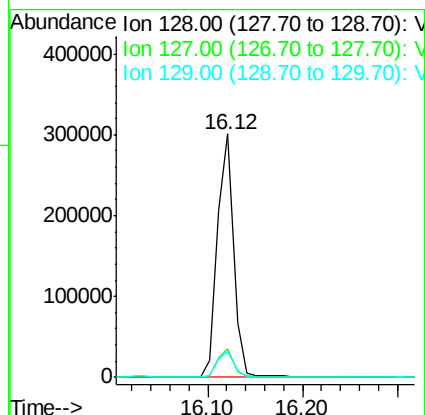
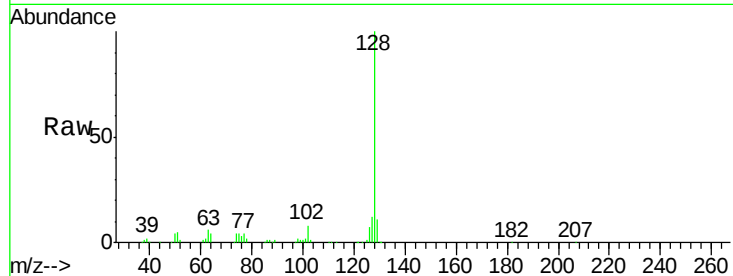




#95
Naphthalene
Concen: 21.311 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD02

Tot Ion:128 Resp: 363121
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 23.052 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063701.D
Acq: 21 Aug 2019 00:37

Tgt Ion:180 Resp: 209335
Ion Ratio Lower Upper
180 100
182 83.7 48.4 145.2
145 22.6 14.9 44.9

