

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063552.D
 Acq On : 14 Aug 2019 3:56
 Operator : JC/SY
 Sample : VD0813SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

Quant Time: Aug 14 08:33:51 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	7.06	168	977389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1385307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1199108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	611856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	580562	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	
35) Dibromofluoromethane	6.93	113	640278	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
50) Toluene-d8	10.42	98	1343957	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	13.56	95	633035	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	229465	19.406	ug/l	95
3) Chloromethane	1.75	50	178069	19.274	ug/l	99
4) Vinyl Chloride	1.85	62	165912	18.090	ug/l	92
5) Bromomethane	2.15	94	90061	20.811	ug/l #	87
6) Chloroethane	2.26	64	91488	21.814	ug/l	98
7) Trichlorofluoromethane	2.53	101	355840	19.780	ug/l	97
8) Diethyl Ether	2.87	74	51304	20.199	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	213704	20.118	ug/l	99
10) Methyl Iodide	3.30	142	269805	17.951	ug/l	99
11) Tert butyl alcohol	4.08	59	52790	116.072	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	152738	19.340	ug/l	83
13) Acrolein	3.05	56	37174	83.039	ug/l #	78
14) Allyl chloride	3.62	41	241844	20.370	ug/l	98
15) Acrylonitrile	4.21	53	138234	114.749	ug/l	96
16) Acetone	3.23	43	197424	92.959	ug/l	94
17) Carbon Disulfide	3.37	76	468140	18.782	ug/l	99
18) Methyl Acetate	3.65	43	109763	27.286	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	371170	23.500	ug/l	99
20) Methylene Chloride	3.82	84	189739	20.661	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	167296	20.130	ug/l	91
22) Diisopropyl ether	5.13	45	500266	20.420	ug/l	92
23) Vinyl Acetate	5.07	43	1534265	107.722	ug/l	98
24) 1,1-Dichloroethane	4.99	63	315175	20.742	ug/l	97
25) 2-Butanone	6.08	43	231563	110.399	ug/l #	90
26) 2,2-Dichloropropane	6.03	77	297842	19.679	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	209337	23.022	ug/l	97
28) Bromochloromethane	6.45	49	125934	20.449	ug/l	96
29) Tetrahydrofuran	6.46	42	118229	120.964	ug/l	100
30) Chloroform	6.67	83	385007	20.384	ug/l	98
31) Cyclohexane	6.97	56	176489	18.709	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	358846	19.862	ug/l	94
36) 1,1-Dichloropropene	7.15	75	243472	19.881	ug/l	97
37) Ethyl Acetate	6.20	43	107925	21.031	ug/l	99
38) Carbon Tetrachloride	7.11	117	355734	19.274	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	8.88	83	205428	19.727	ug/l	96
40) Benzene	7.46	78	535127	19.856	ug/l	96
41) Methacrylonitrile	6.46	41	154520	23.915	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	313811	23.157	ug/l	96
43) Isopropyl Acetate	9.25	43	146439	21.307	ug/l #	99
44) Trichloroethene	8.55	130	192968	18.733	ug/l	98
45) 1,2-Dichloropropane	8.95	63	140642	22.409	ug/l	97
46) Dibromomethane	9.07	93	123804	23.099	ug/l	93
47) Bromodichloromethane	9.38	83	302492	22.003	ug/l	99
48) Methyl methacrylate	9.13	41	101439	21.763	ug/l	93
49) 1,4-Dioxane	9.09	88	16086	401.653	ug/l #	66
51) 4-Methyl-2-Pentanone	10.31	43	520240	110.620	ug/l	98
52) Toluene	10.52	92	371573	21.406	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	234897	20.936	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	247166	19.537	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	129749	22.128	ug/l	98
56) Ethyl methacrylate	11.05	69	143412	22.534	ug/l	98
57) 1,3-Dichloropropane	11.42	76	187924	21.202	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	373132	111.053	ug/l	96
59) 2-Hexanone	11.54	43	372411	108.829	ug/l	96
60) Dibromochloromethane	11.69	129	230274	21.582	ug/l	88
61) 1,2-Dibromoethane	11.81	107	154612	21.781	ug/l	97
64) Tetrachloroethene	11.27	164	188459	20.359	ug/l	97
65) Chlorobenzene	12.40	112	474577	21.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	196070	19.823	ug/l	91
67) Ethyl Benzene	12.53	91	764361	19.560	ug/l	94
68) m/p-Xylenes	12.68	106	540937	39.401	ug/l	92
69) o-Xylene	13.05	106	241092	18.246	ug/l	97
70) Styrene	13.08	104	420483	17.890	ug/l	96
71) Bromoform	13.24	173	141905	20.924	ug/l	95
73) Isopropylbenzene	13.41	105	796393	20.464	ug/l	100
74) N-amyl acetate	13.27	43	215934	22.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	140059	21.682	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	146643	20.883	ug/l	95
77) Bromobenzene	13.67	156	220541	20.735	ug/l	98
78) n-propylbenzene	13.78	91	828143	18.187	ug/l	99
79) 2-Chlorotoluene	13.85	91	525202	20.004	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	656104	19.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	29664	15.717	ug/l	91
82) 4-Chlorotoluene	13.95	91	638009	20.209	ug/l	94
83) tert-Butylbenzene	14.19	119	766459	21.405	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	667814	21.226	ug/l	92
85) sec-Butylbenzene	14.37	105	729554	19.186	ug/l	99
86) p-Isopropyltoluene	14.50	119	665099	18.293	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	406254	21.116	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	395761	21.441	ug/l	96
89) n-Butylbenzene	14.80	91	655027	19.739	ug/l	94
90) Hexachloroethane	15.01	117	194158	21.246	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	363065	22.243	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24918	20.487	ug/l	88

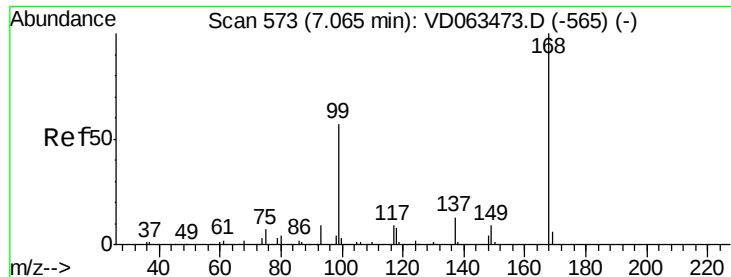
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063552.D
Acq On : 14 Aug 2019 3:56
Operator : JC/SY
Sample : VD0813SBSD02
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	241833	20.135	ug/l	98
94) Hexachlorobutadiene	16.04	225	171152	18.697	ug/l	95
95) Naphthalene	16.12	128	368909	20.267	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	194107	20.009	ug/l	99

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

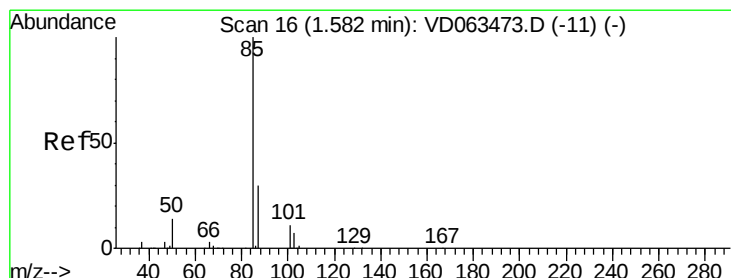
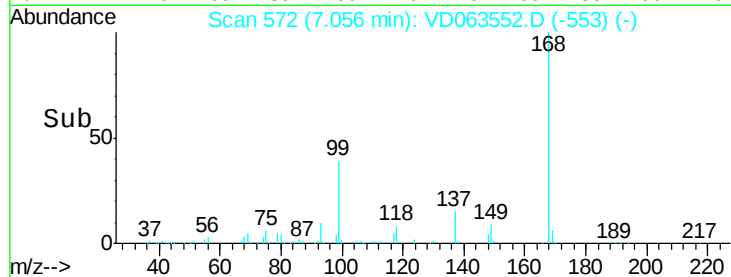
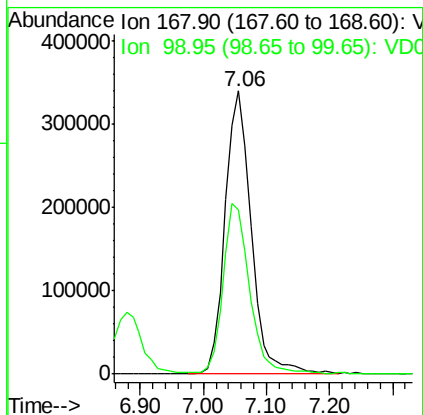
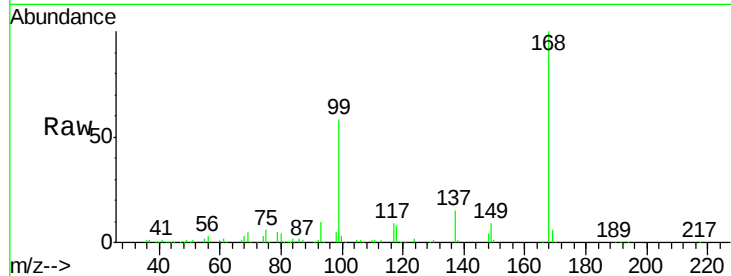


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

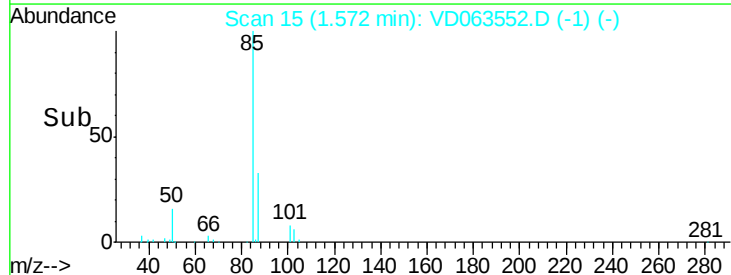
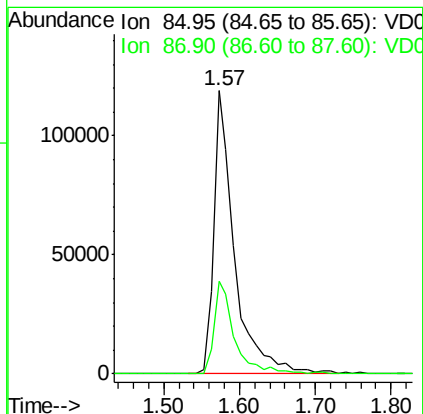
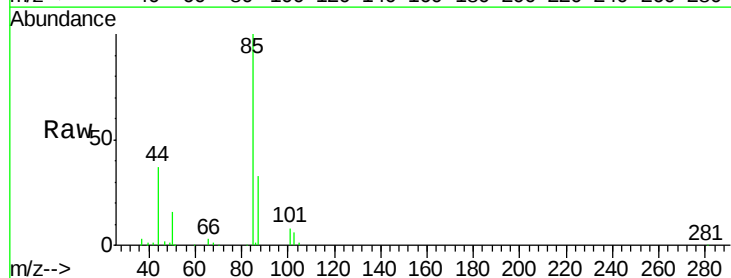
Tot Ion:168 Resp: 977389
 Ion Ratio Lower Upper
 168 100
 99 58.2 46.7 70.1

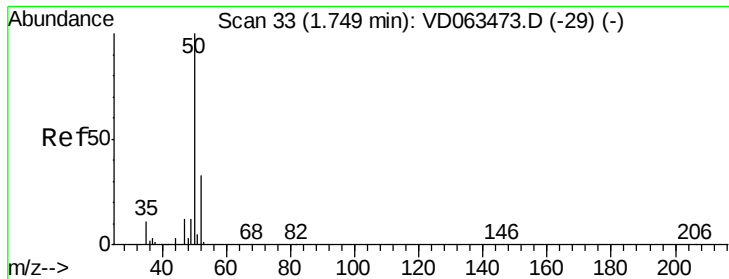


#2

Dichlorodifluoromethane
 Concen: 19.406 ug/l
 RT: 1.57 min Scan# 15
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 85 Resp: 229465
 Ion Ratio Lower Upper
 85 100
 87 32.8 15.0 45.0





#3

Chloromethane

Concen: 19.274 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

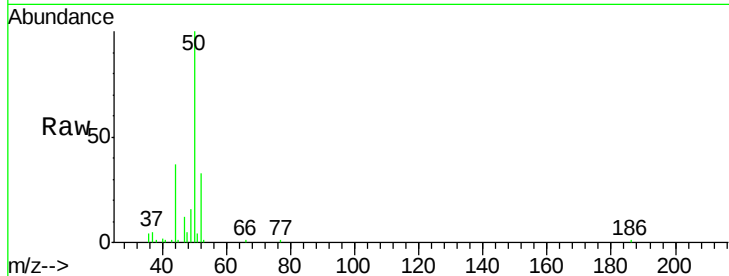
VD0813SBSD02

Tot Ion: 50 Resp: 178069

Ion Ratio Lower Upper

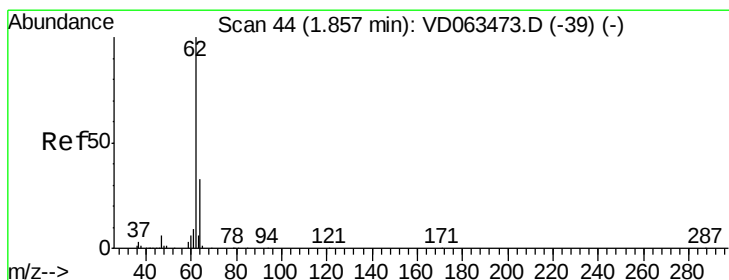
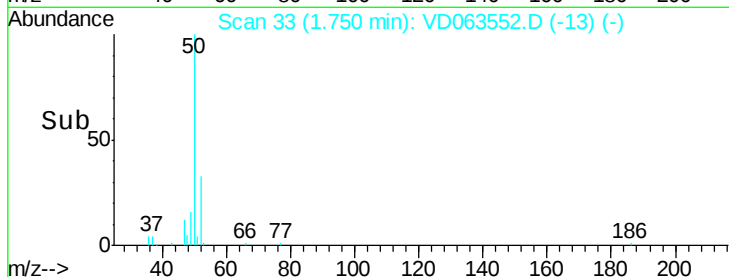
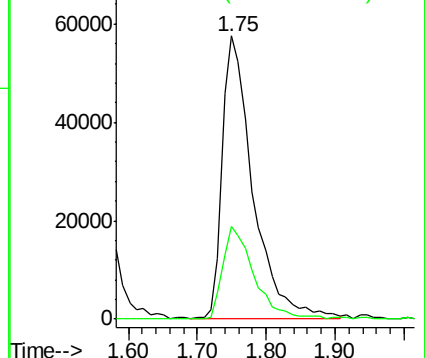
50 100

52 32.8 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: 18.090 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063552.D

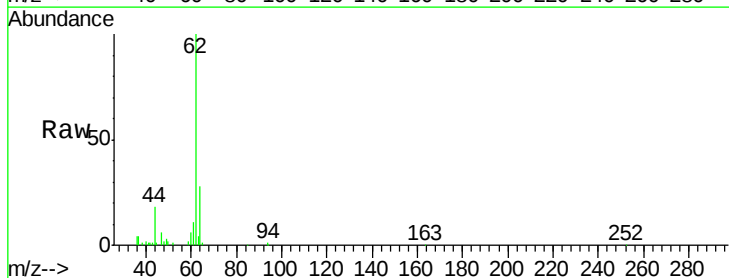
Acq: 14 Aug 2019 3:56

Tgt Ion: 62 Resp: 165912

Ion Ratio Lower Upper

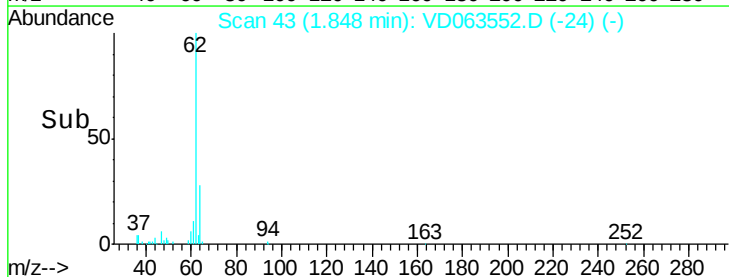
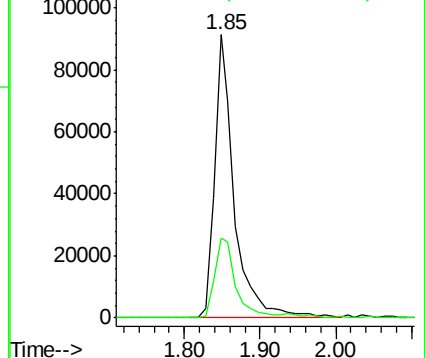
62 100

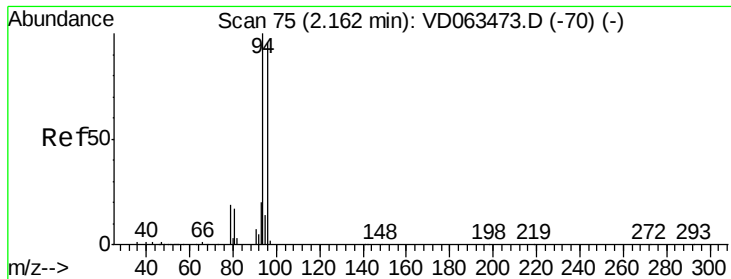
64 28.3 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.811 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

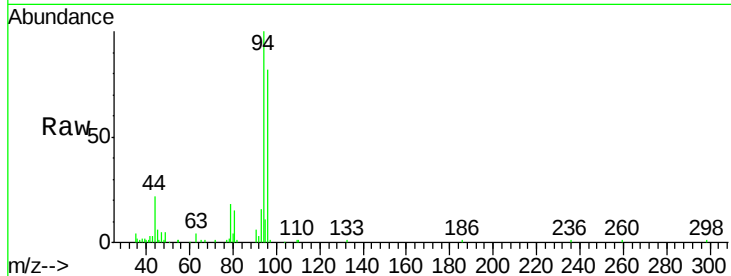
Tot Ion: 94 Resp: 90061

Ion Ratio Lower Upper

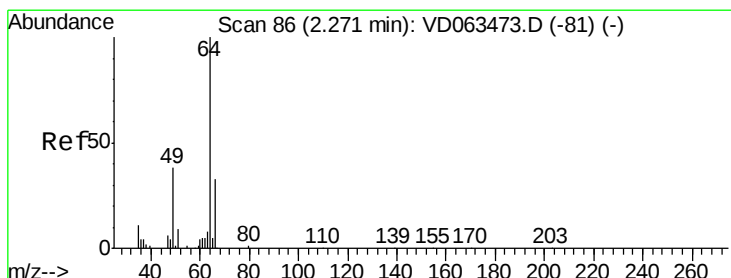
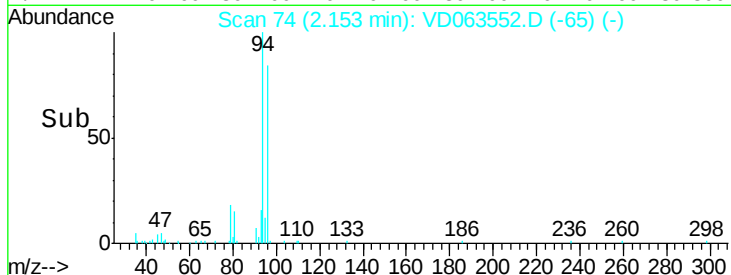
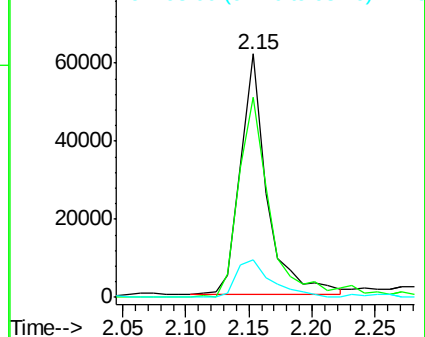
94 100

96 82.2 76.5 114.7

93 15.6 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.814 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063552.D

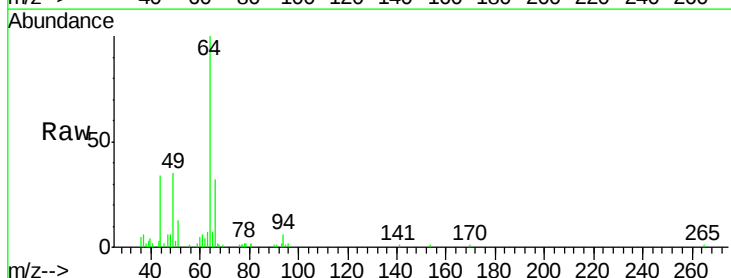
Acq: 14 Aug 2019 3:56

Tgt Ion: 64 Resp: 91488

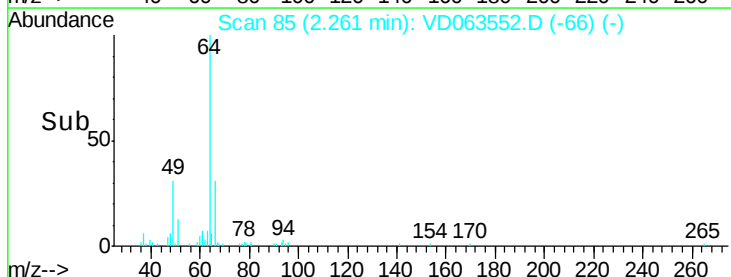
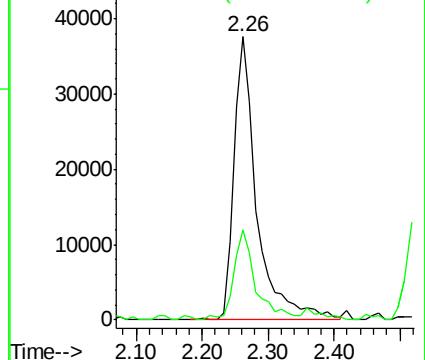
Ion Ratio Lower Upper

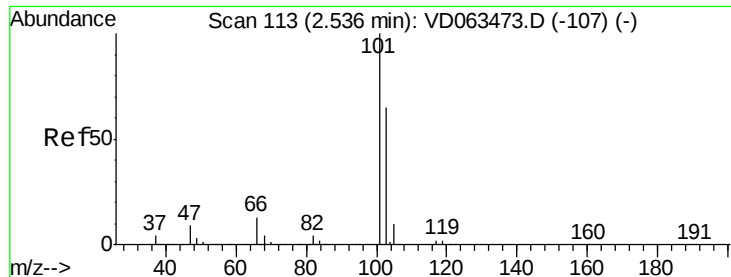
64 100

66 31.8 26.3 39.5



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



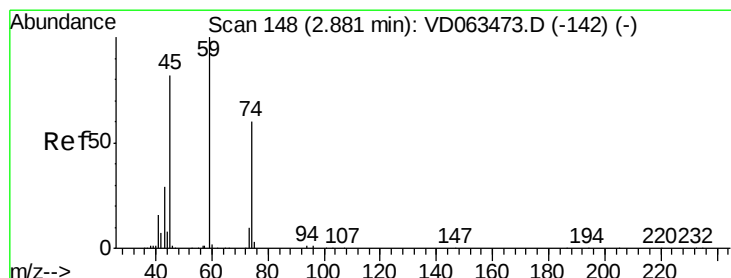
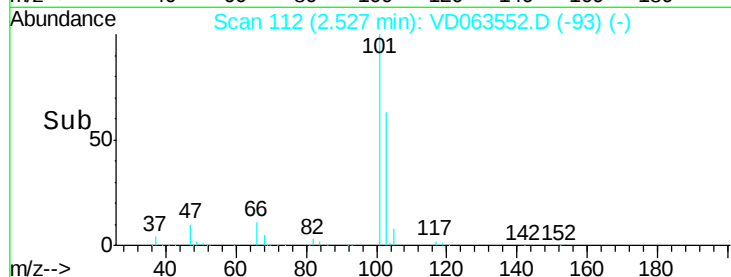
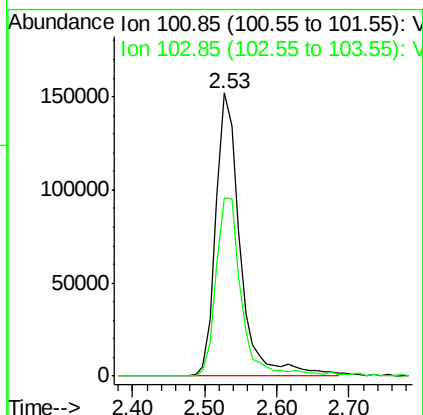
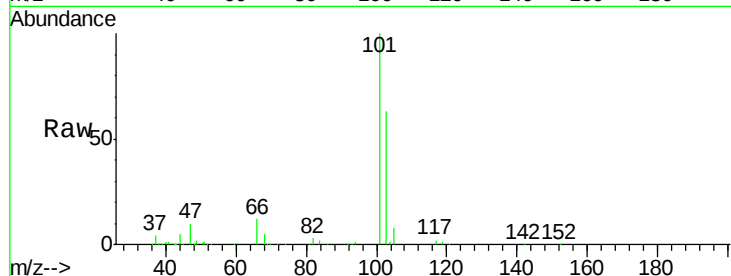


#7

Trichlorofluoromethane
 Concen: 19.780 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

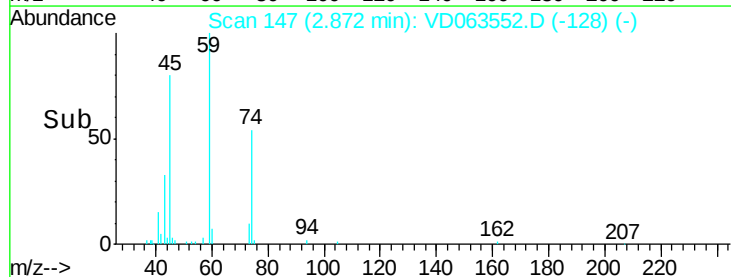
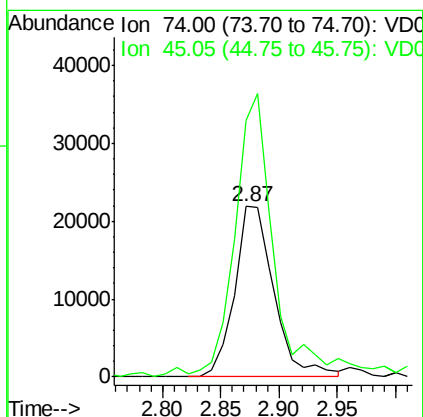
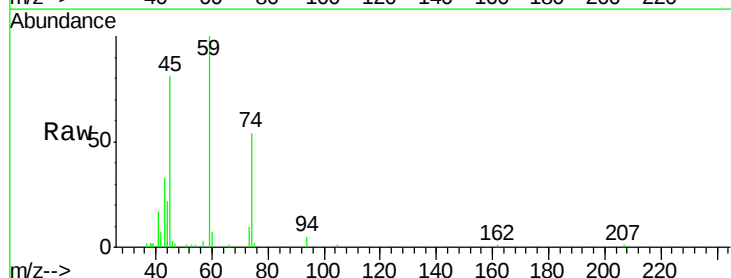
Tot Ion:101 Resp: 355840
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.2 78.4

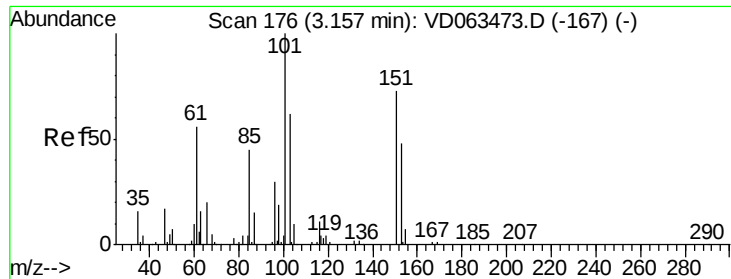


#8

Diethyl Ether
 Concen: 20.199 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 74 Resp: 51304
 Ion Ratio Lower Upper
 74 100
 45 150.7 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.118 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

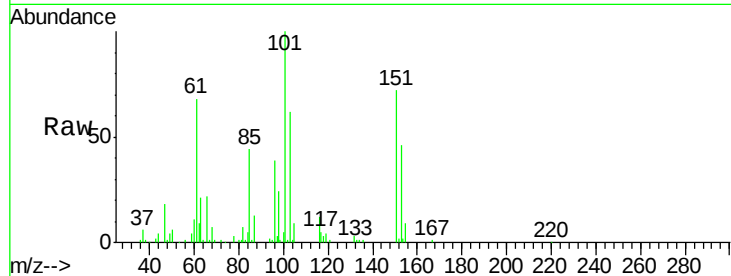
Tot Ion:101 Resp: 213704

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

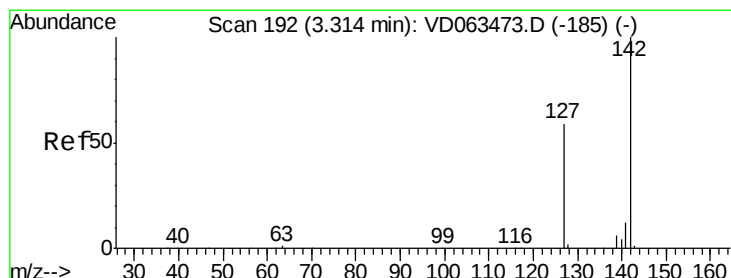
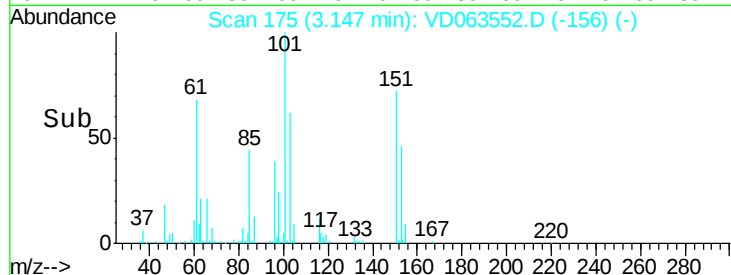
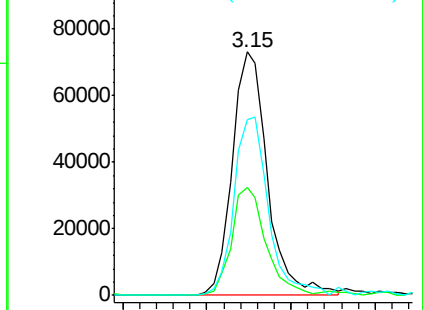
151 72.4 58.6 88.0



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: 17.951 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

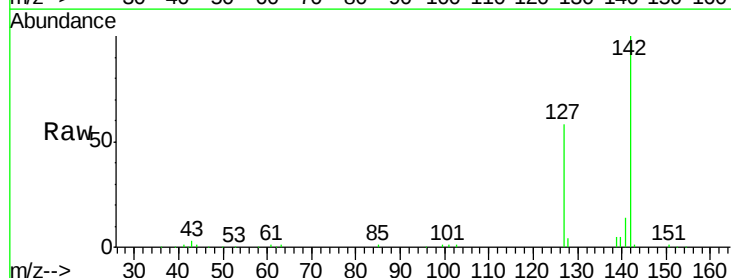
Tgt Ion:142 Resp: 269805

Ion Ratio Lower Upper

142 100

127 58.4 47.2 70.8

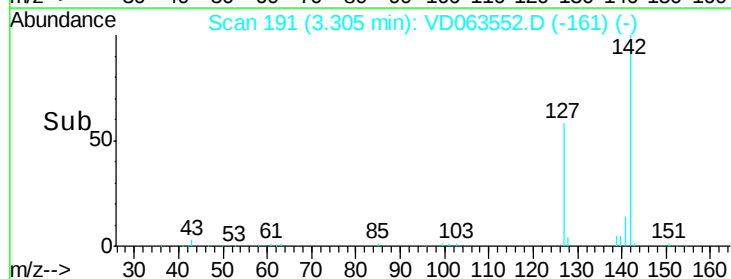
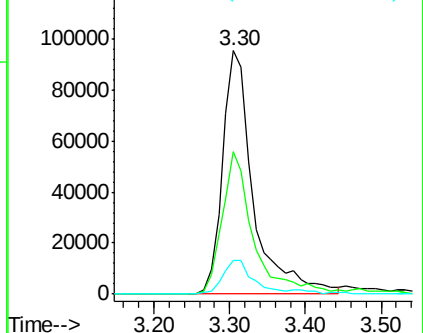
141 14.0 9.8 14.8

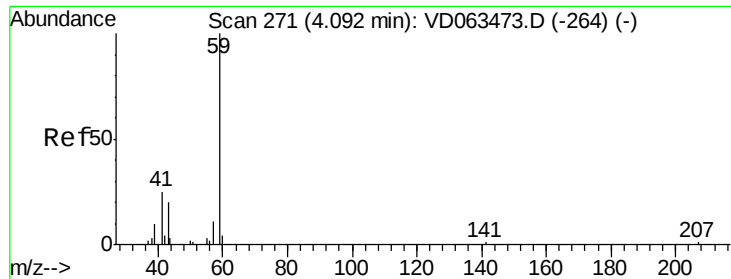


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



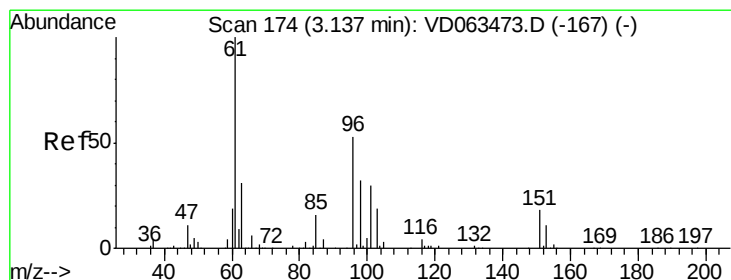
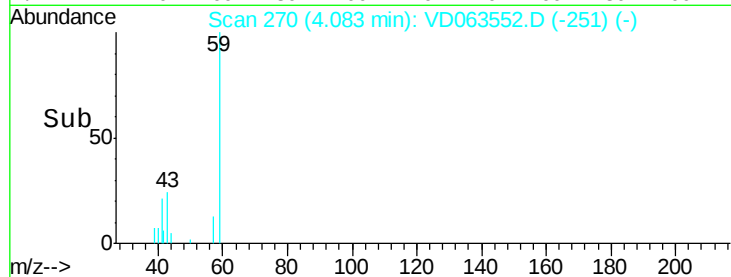
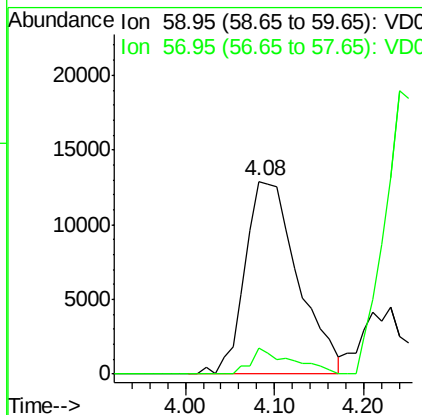
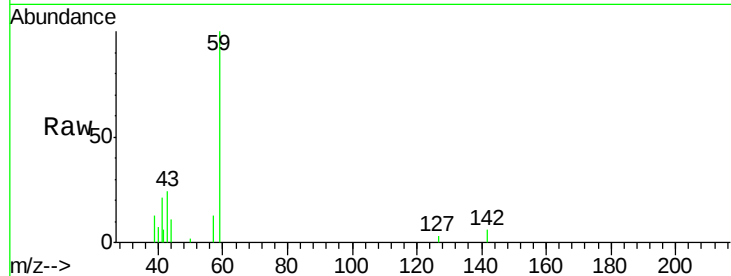


#11

Tert butyl alcohol
Concen: 116.072 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

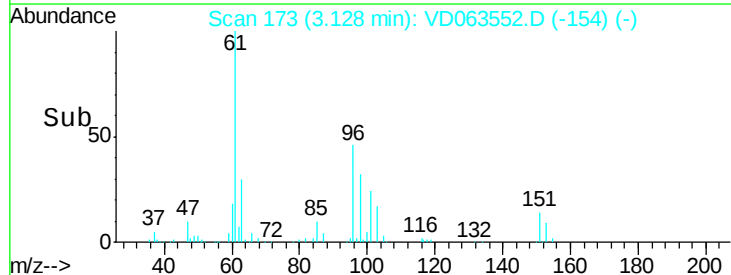
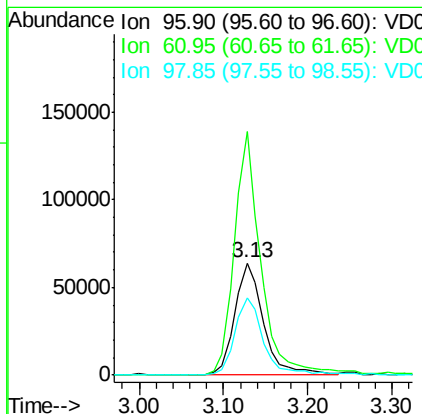
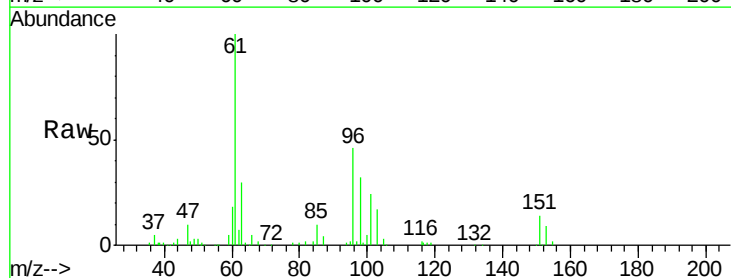
Tot Ion: 59 Resp: 52790
Ion Ratio Lower Upper
59 100
57 13.3 8.7 13.1#

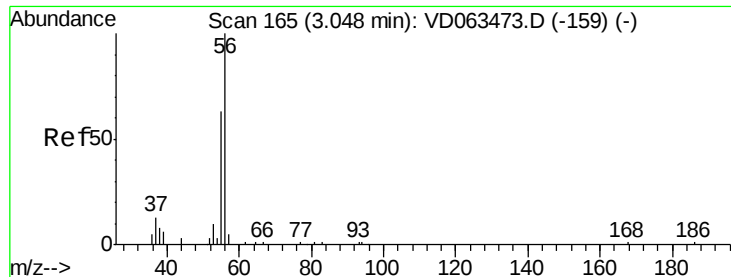


#12

1,1-Dichloroethene
Concen: 19.340 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 96 Resp: 152738
Ion Ratio Lower Upper
96 100
61 217.2 151.7 227.5
98 69.1 48.4 72.6





#13

Acrolein

Concen: 83.039 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

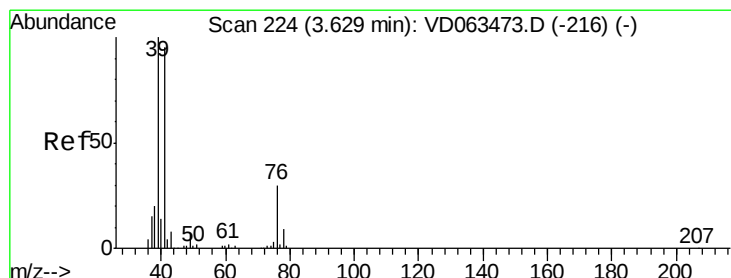
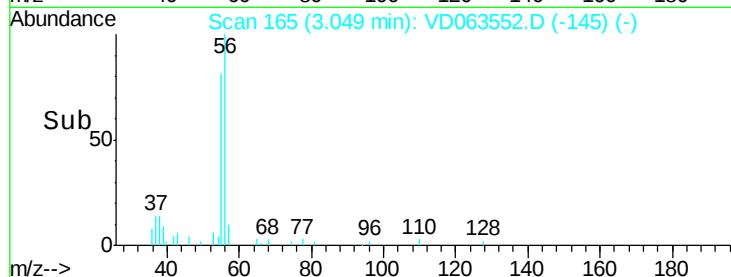
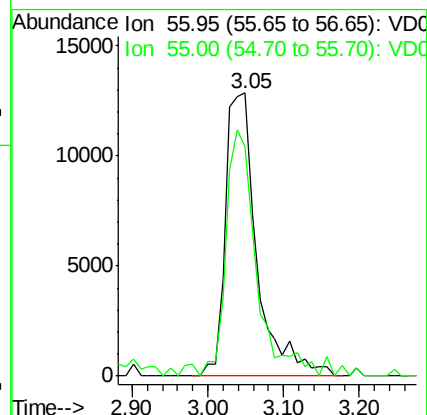
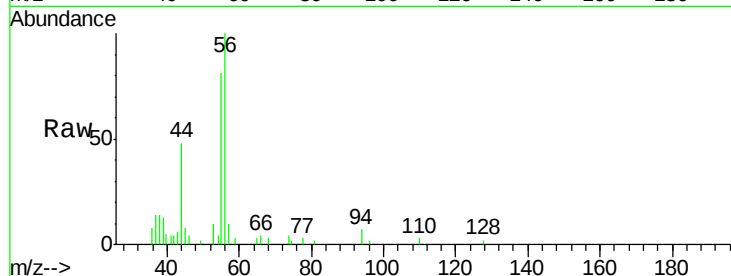
VD0813SBS02

Tot Ion: 56 Resp: 37174

Ion Ratio Lower Upper

56 100

55 81.3 51.3 76.9#



#14

Allyl chloride

Concen: 20.370 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

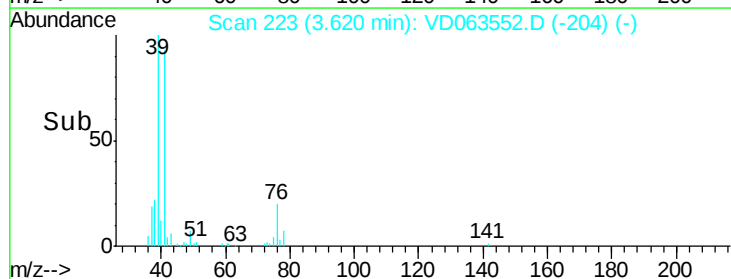
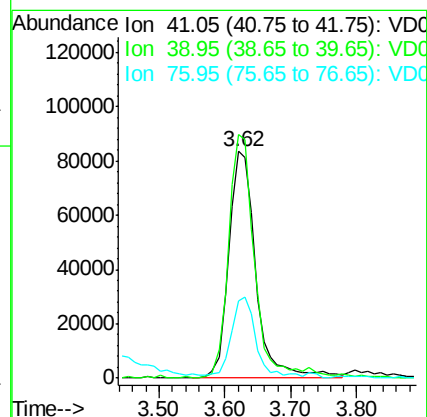
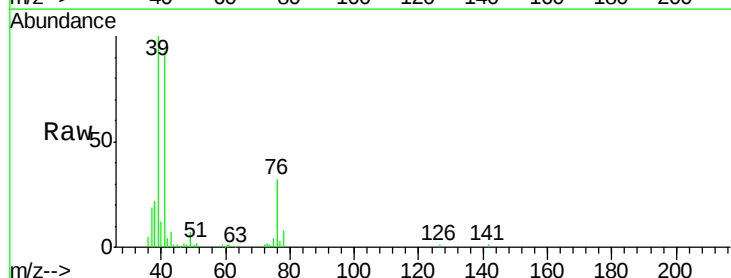
Tgt Ion: 41 Resp: 241844

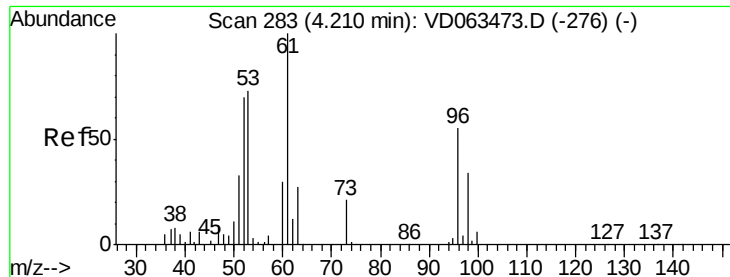
Ion Ratio Lower Upper

41 100

39 107.3 84.2 126.4

76 33.8 26.0 39.0





#15

Acrylonitrile

Concen: 114.749 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

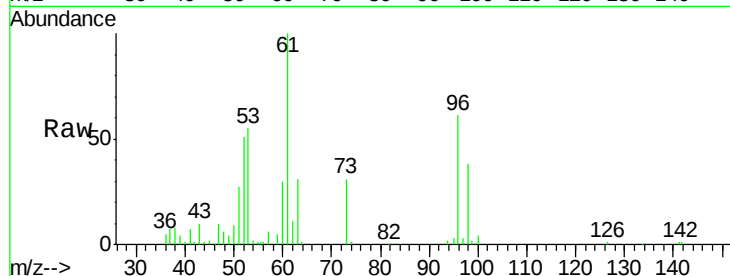
Tot Ion: 53 Resp: 138234

Ion Ratio Lower Upper

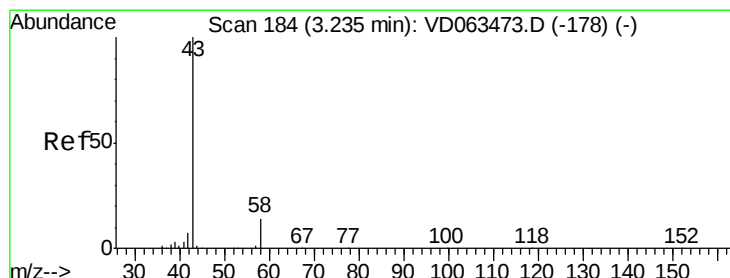
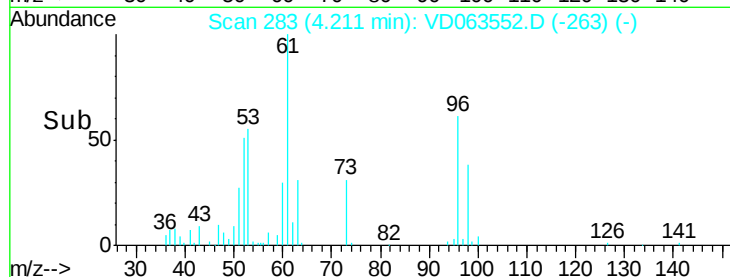
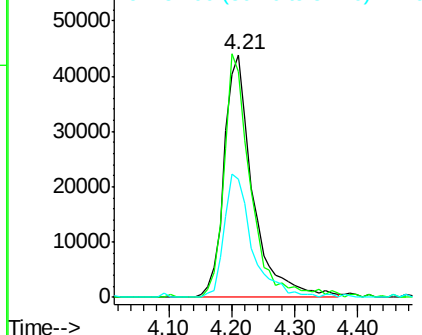
53 100

52 93.1 77.4 116.0

51 48.8 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: 92.959 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063552.D

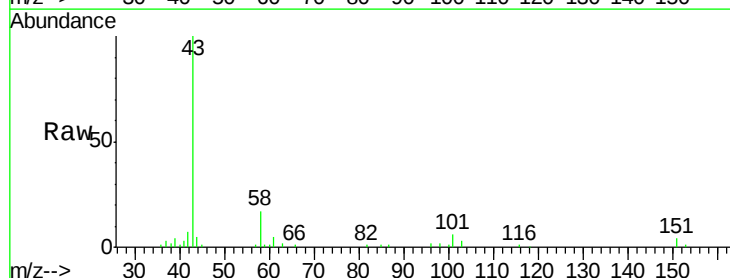
Acq: 14 Aug 2019 3:56

Tgt Ion: 43 Resp: 197424

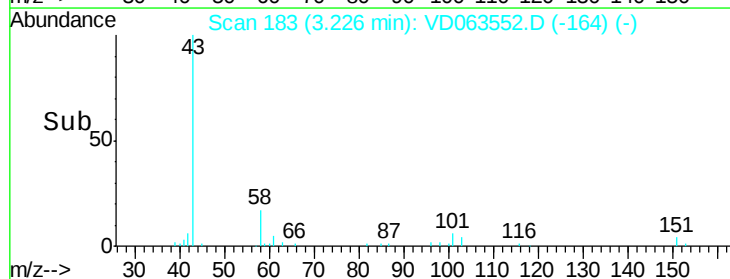
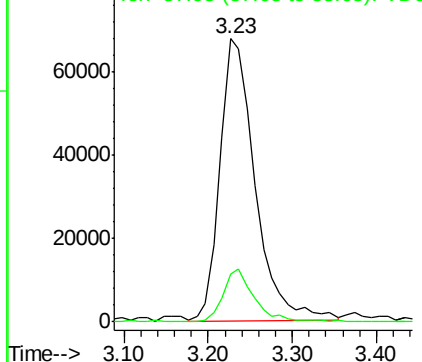
Ion Ratio Lower Upper

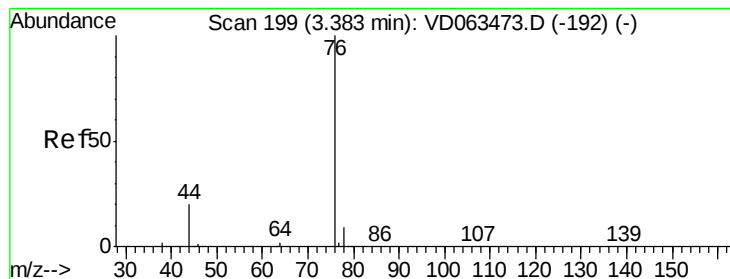
43 100

58 16.9 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: 18.782 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

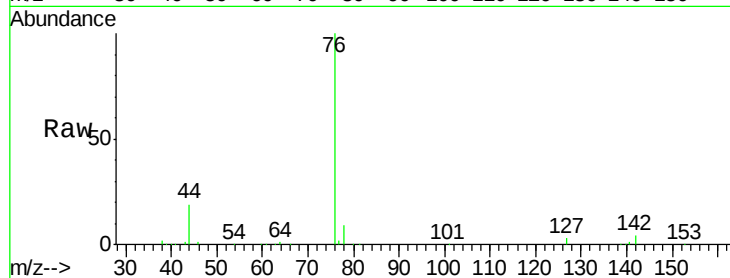
VD0813SBSD02

Tot Ion: 76 Resp: 468140

Ion Ratio Lower Upper

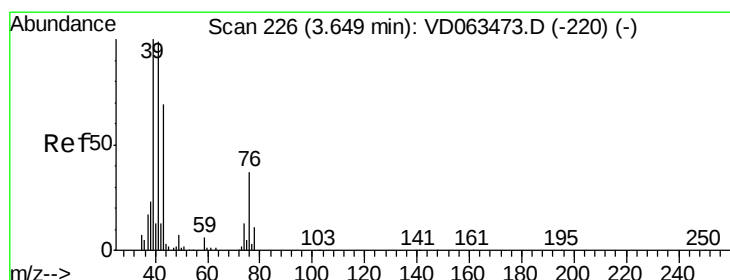
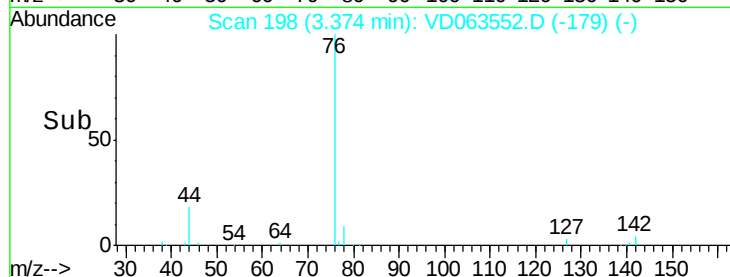
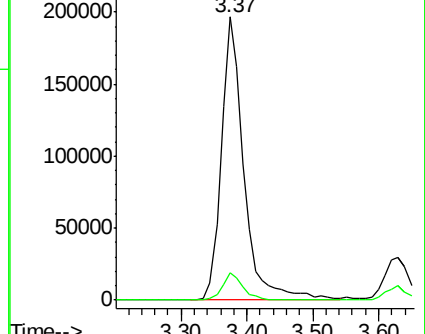
76 100

78 9.5 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: 27.286 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD063552.D

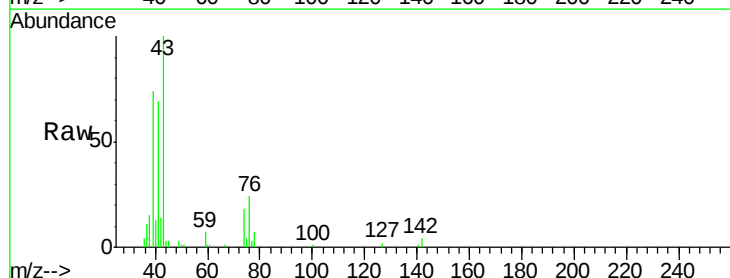
Acq: 14 Aug 2019 3:56

Tgt Ion: 43 Resp: 109763

Ion Ratio Lower Upper

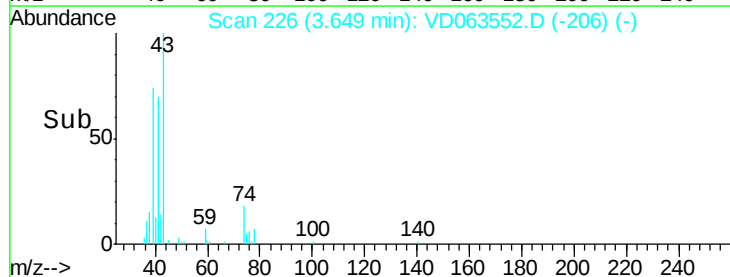
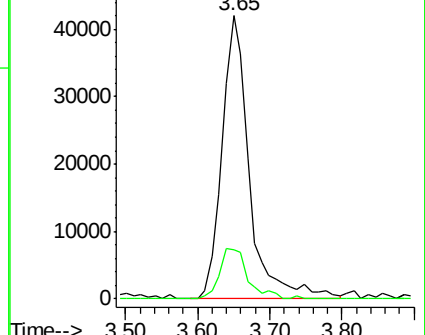
43 100

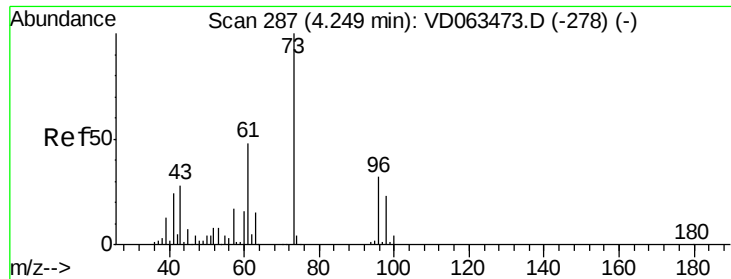
74 17.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

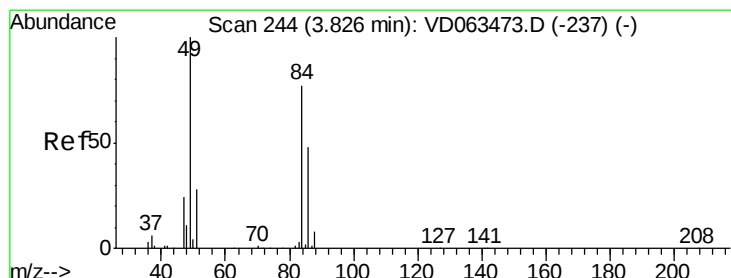
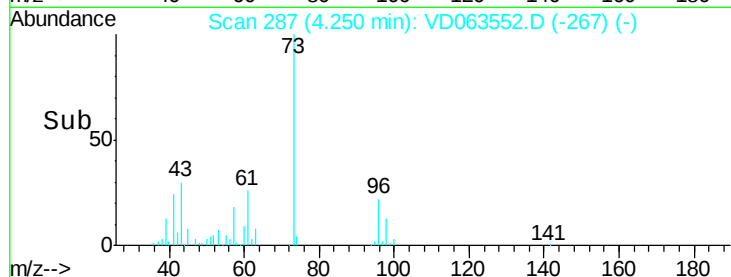
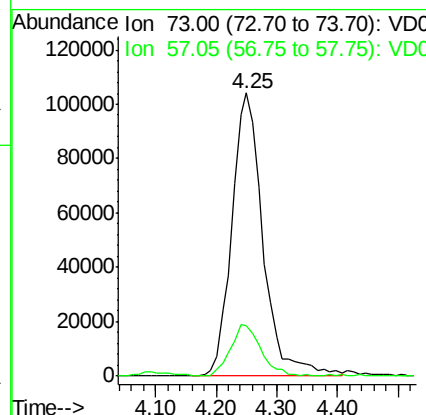
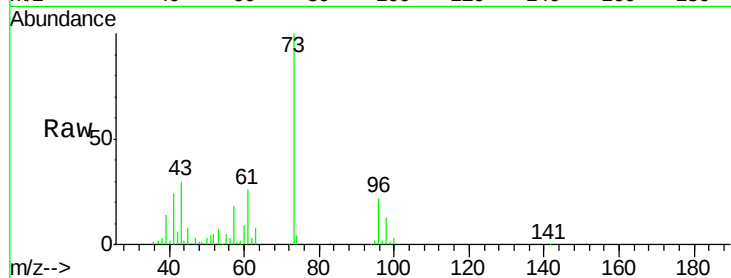




#19
Methyl tert-butyl Ether
Concen: 23.500 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

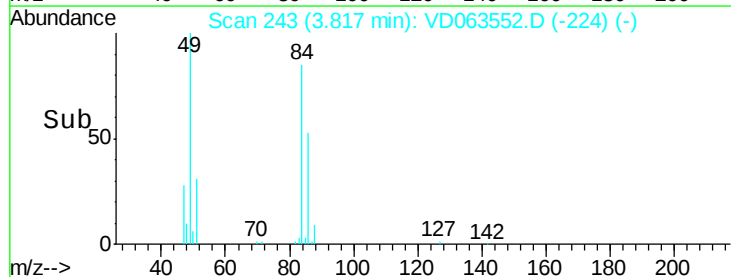
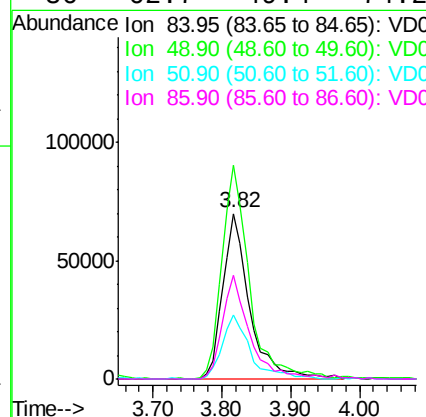
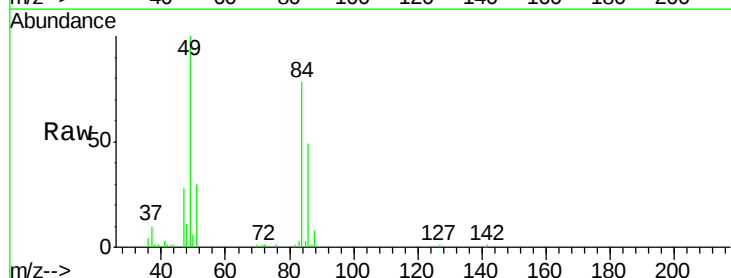
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

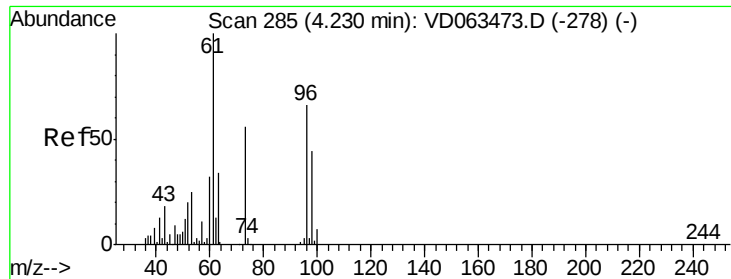
Tot Ion: 73 Resp: 371170
Ion Ratio Lower Upper
73 100
57 17.7 14.0 21.0



#20
Methylene Chloride
Concen: 20.661 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 84 Resp: 189739
Ion Ratio Lower Upper
84 100
49 128.9 103.4 155.2
51 39.0 28.5 42.7
86 62.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.130 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

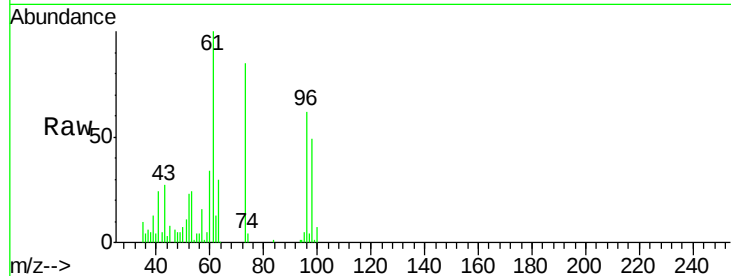
Tot Ion: 96 Resp: 167296

Ion Ratio Lower Upper

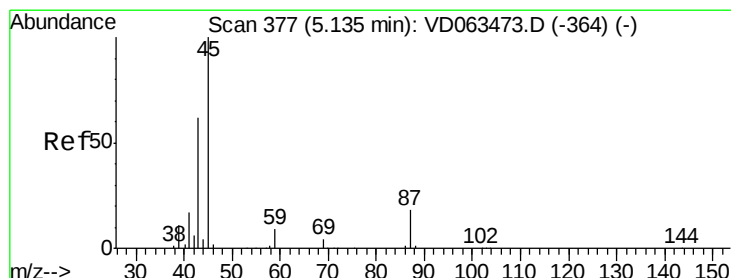
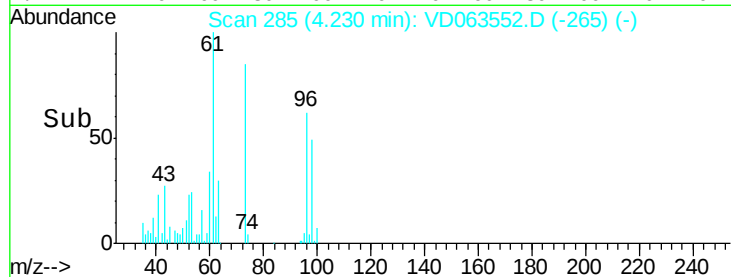
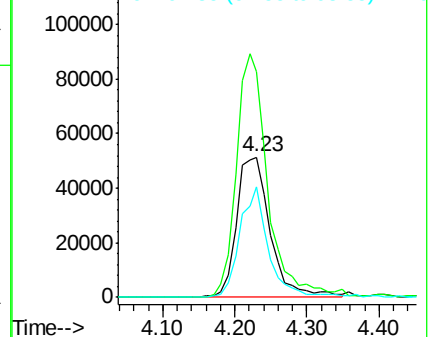
96 100

61 160.3 121.7 182.5

98 78.6 54.2 81.2



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



#22

Diisopropyl ether

Concen: 20.420 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion: 45 Resp: 500266

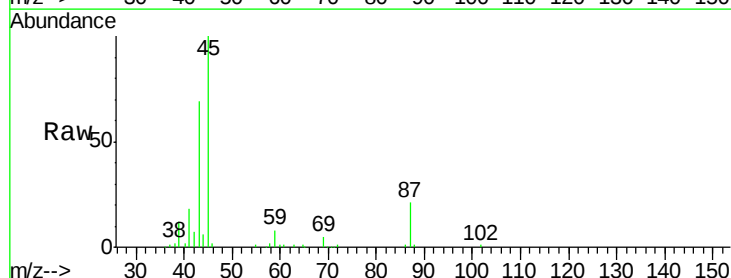
Ion Ratio Lower Upper

45 100

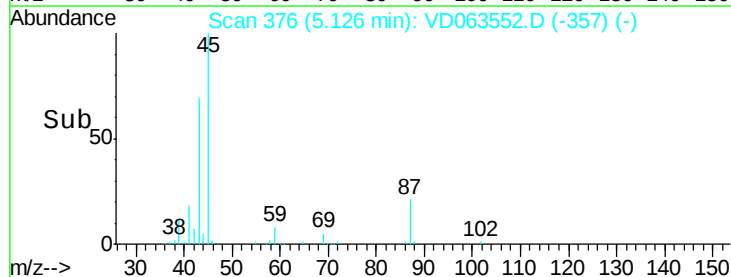
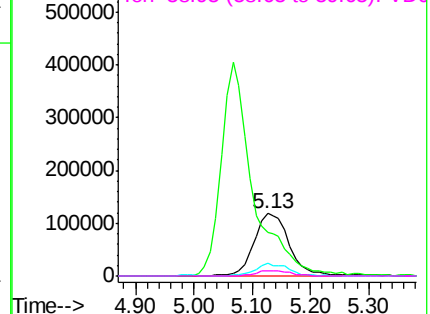
43 69.4 50.3 75.5

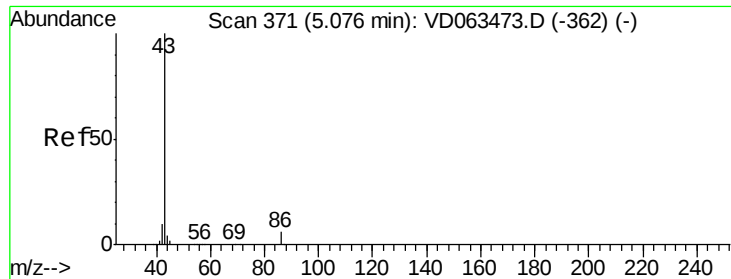
87 21.0 14.3 21.5

59 8.2 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: 107.722 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleID :

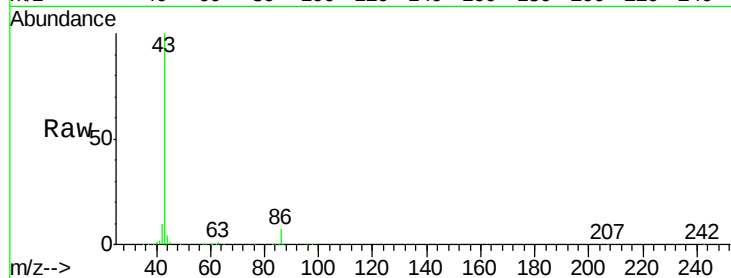
VD0813SBS02

Tot Ion: 43 Resp: 1534265

Ion Ratio Lower Upper

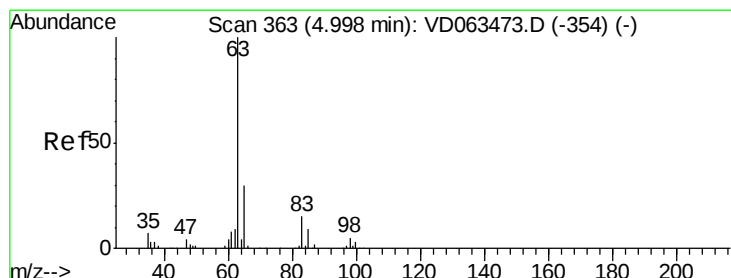
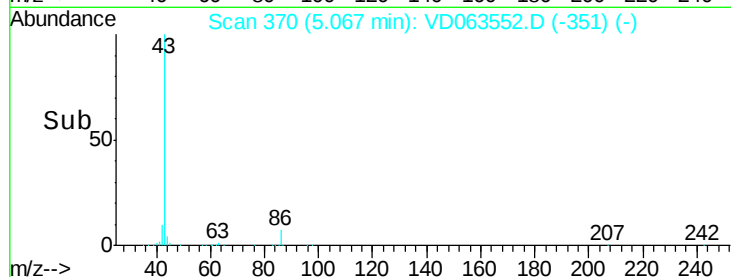
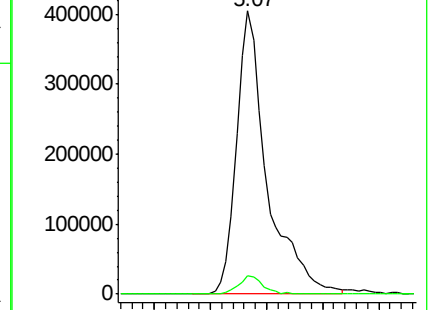
43 100

86 6.6 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.742 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

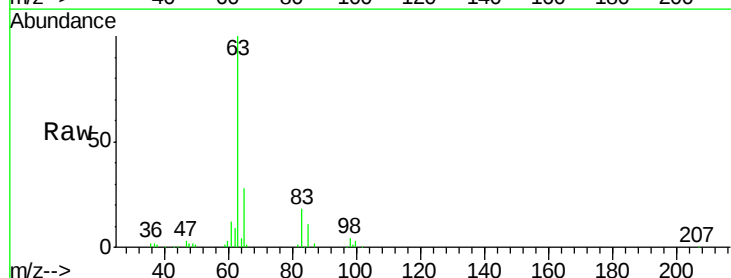
Tgt Ion: 63 Resp: 315175

Ion Ratio Lower Upper

63 100

98 3.7 2.4 7.2

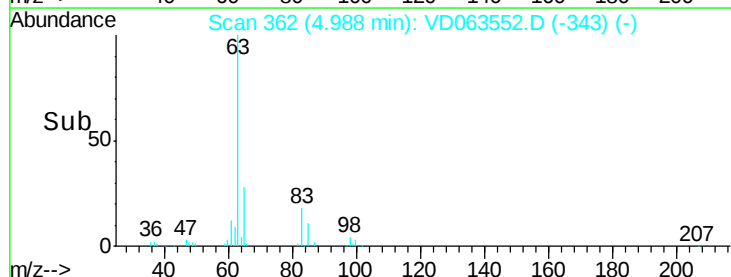
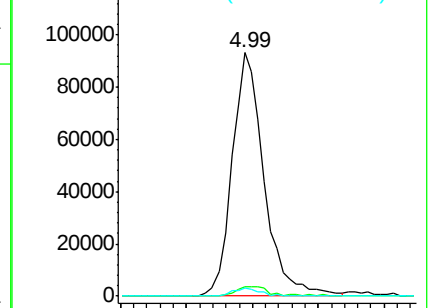
100 3.2 1.3 3.8

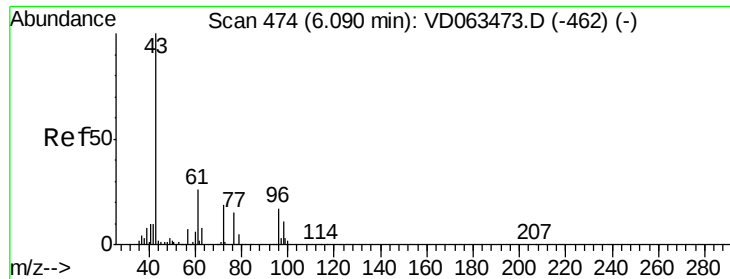


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 110.399 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

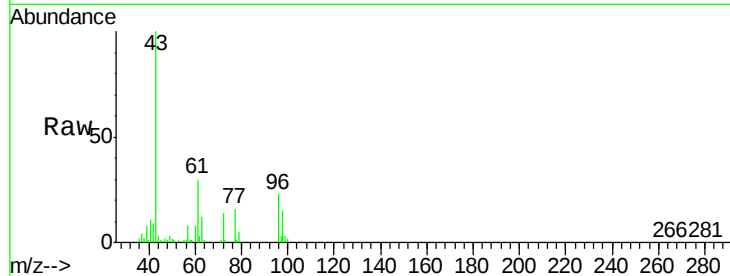
VD0813SBSD02

Tot Ion: 43 Resp: 231563

Ion Ratio Lower Upper

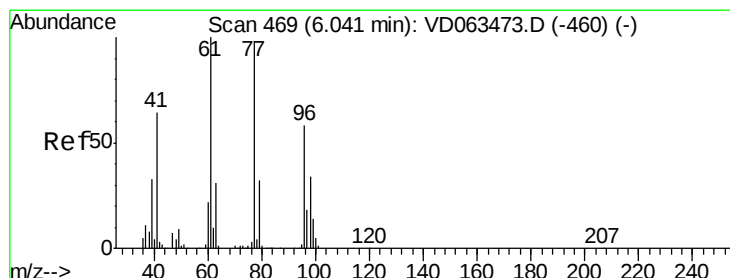
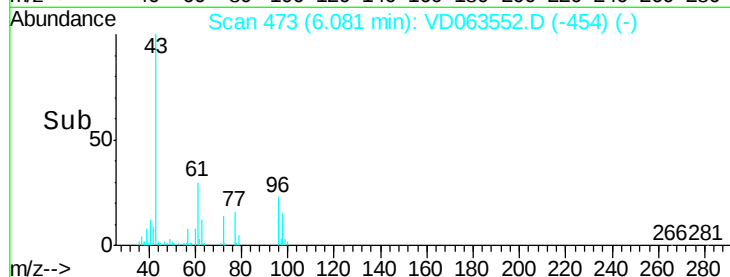
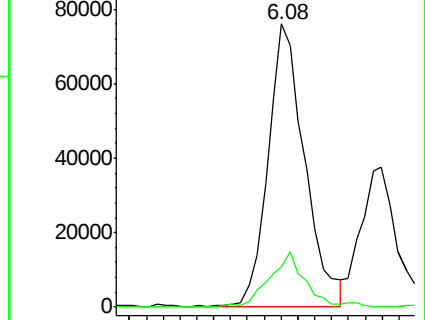
43 100

72 14.3 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.679 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063552.D

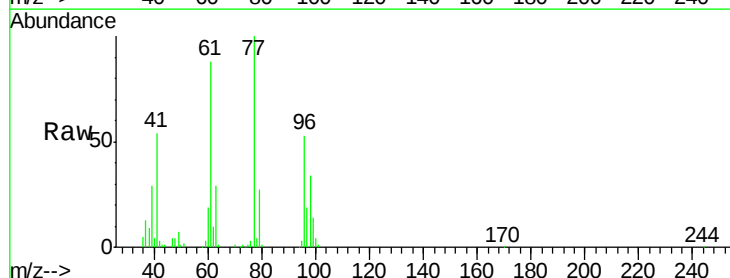
Acq: 14 Aug 2019 3:56

Tgt Ion: 77 Resp: 297842

Ion Ratio Lower Upper

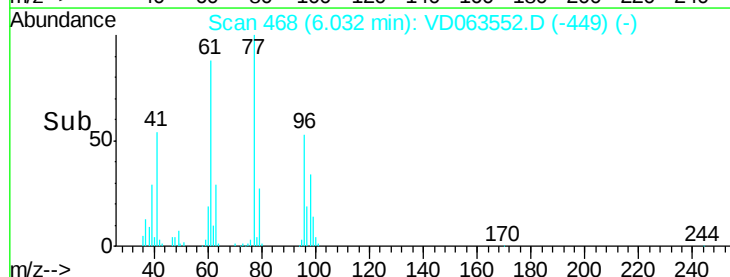
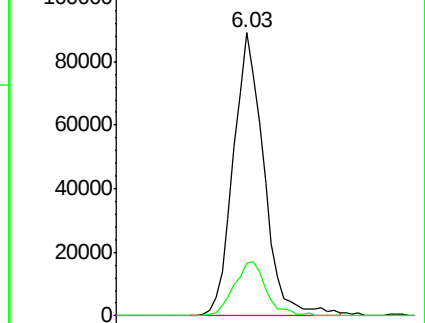
77 100

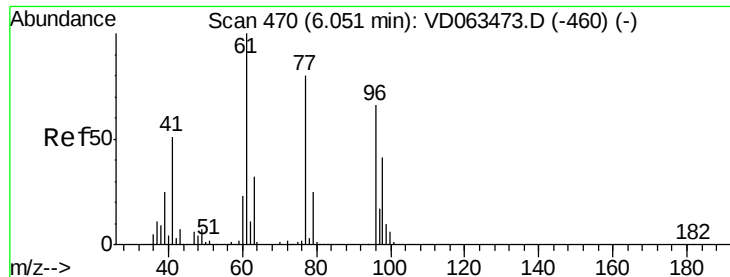
97 18.9 9.0 27.1



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: 23.022 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

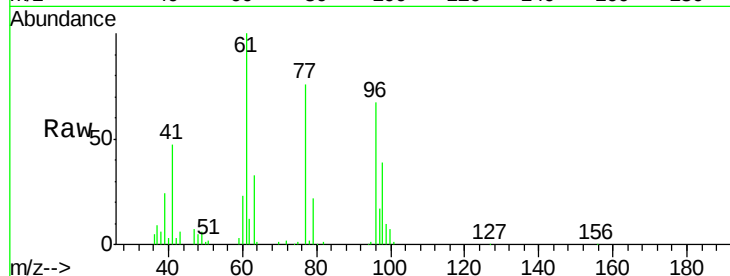
Tot Ion: 96 Resp: 209337

Ion Ratio Lower Upper

96 100

61 148.5 0.0 304.0

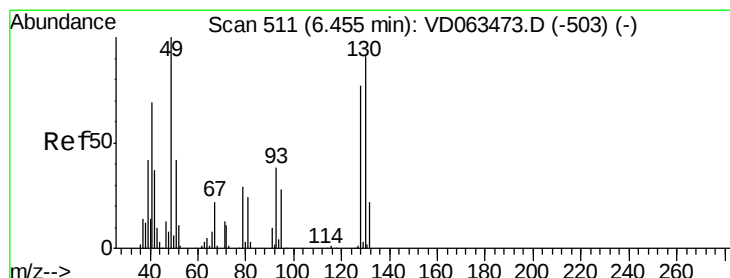
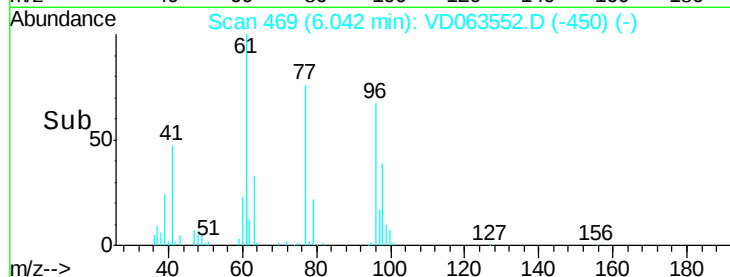
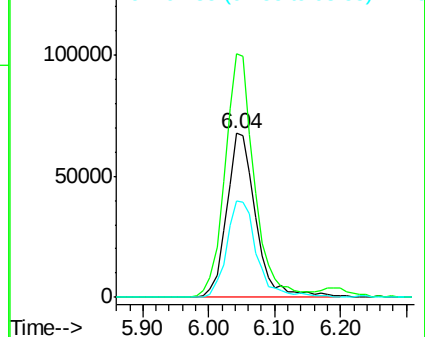
98 58.5 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 20.449 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

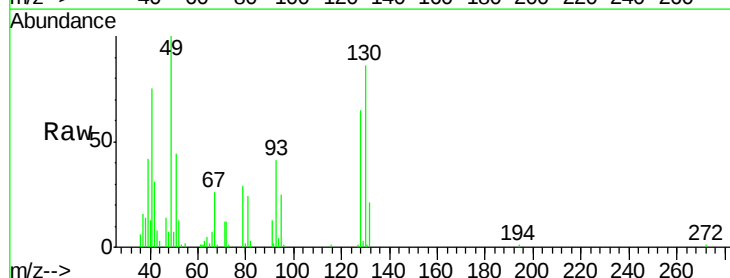
Tgt Ion: 49 Resp: 125934

Ion Ratio Lower Upper

49 100

129 3.3 0.0 6.4

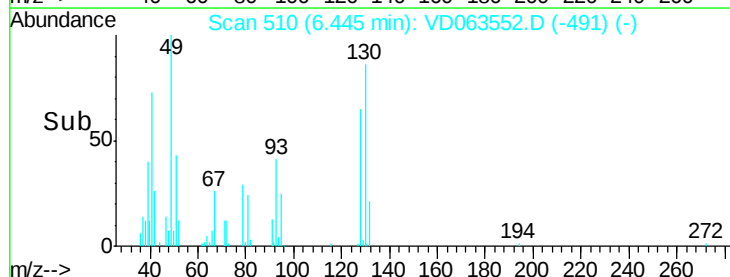
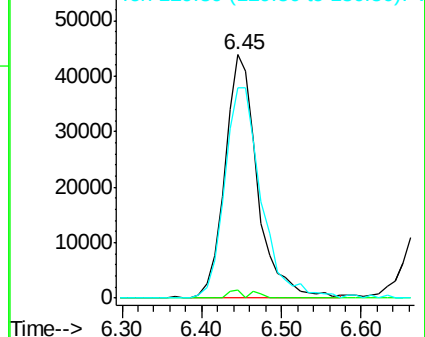
130 86.4 72.4 108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 120.964 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

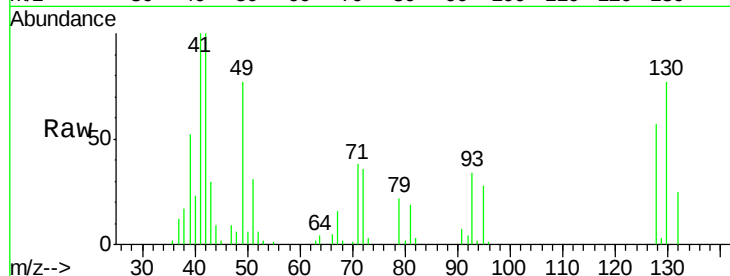
Tot Ion: 42 Resp: 118229

Ion Ratio Lower Upper

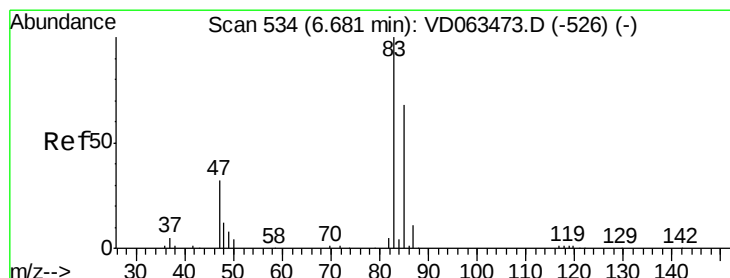
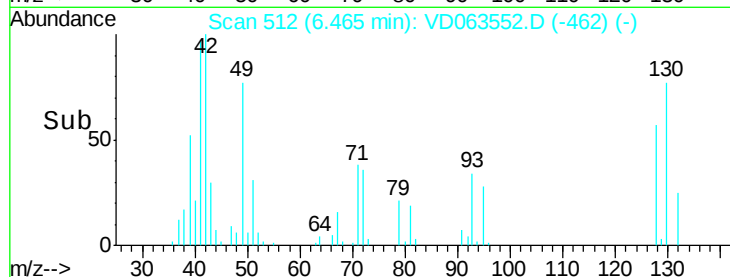
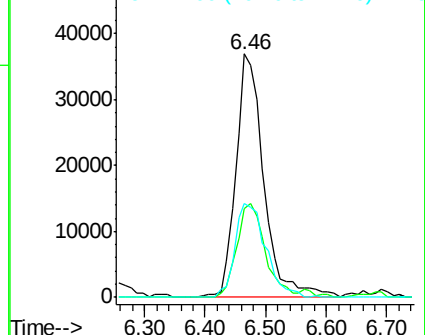
42 100

72 39.2 31.5 47.3

71 42.1 33.8 50.8



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



#30

Chloroform

Concen: 20.384 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063552.D

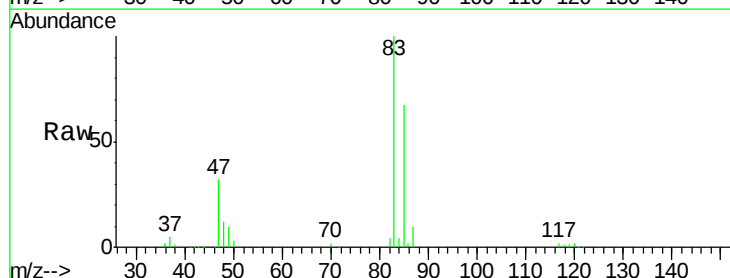
Acq: 14 Aug 2019 3:56

Tgt Ion: 83 Resp: 385007

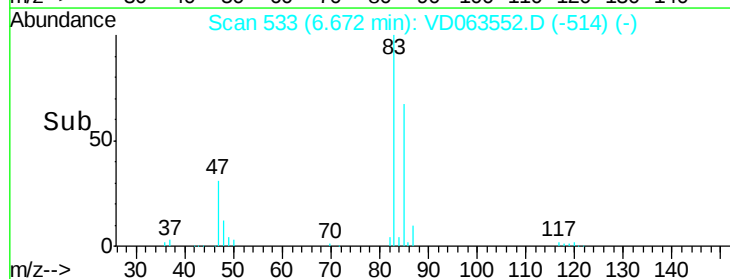
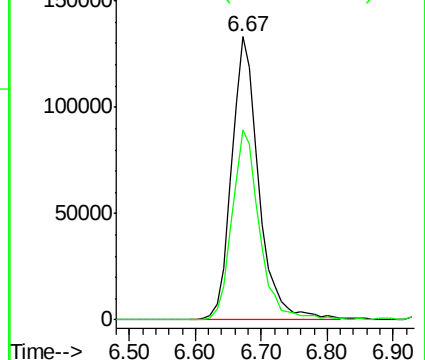
Ion Ratio Lower Upper

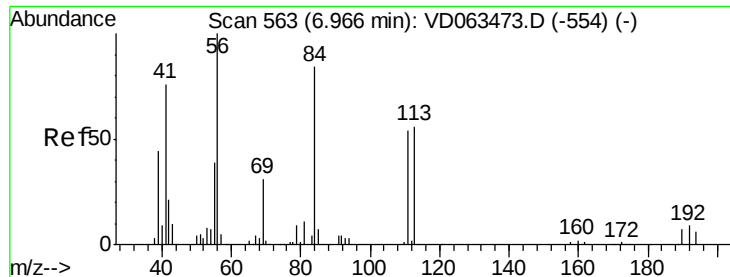
83 100

85 66.9 54.8 82.2



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

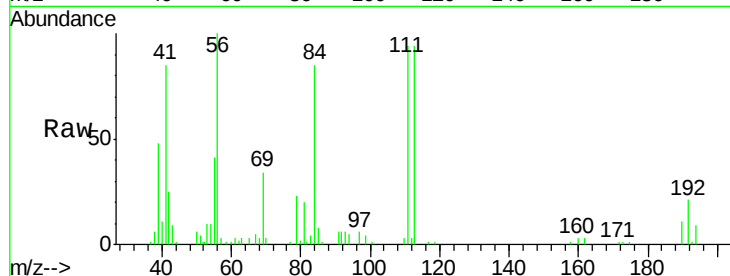




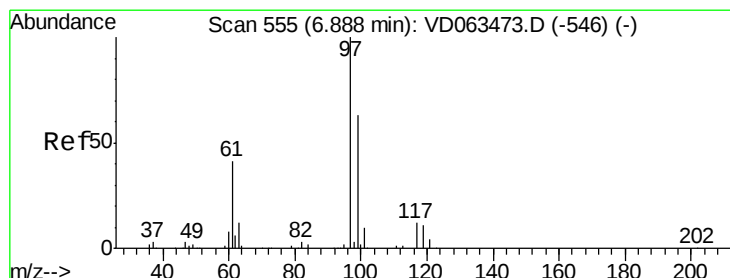
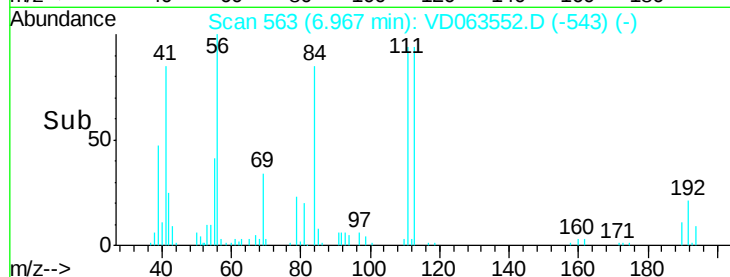
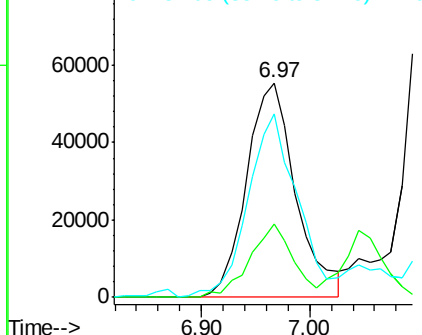
#31
Cyclohexane
Concen: 18.709 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

Tot Ion: 56 Resp: 176489
Ion Ratio Lower Upper
56 100
69 34.0 25.0 37.6
84 85.4 69.7 104.5

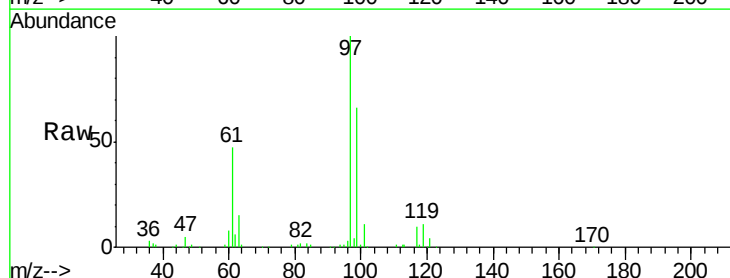


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

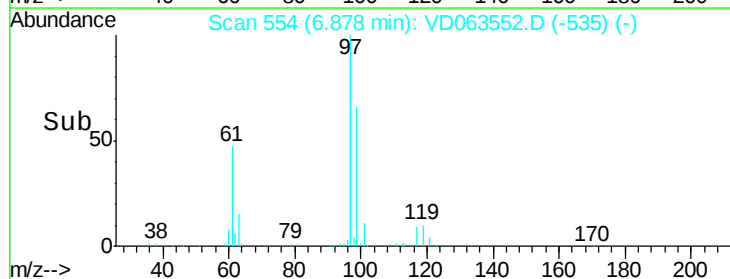
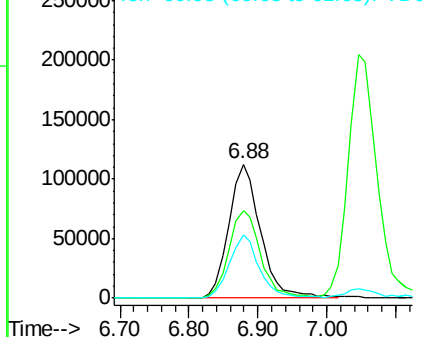


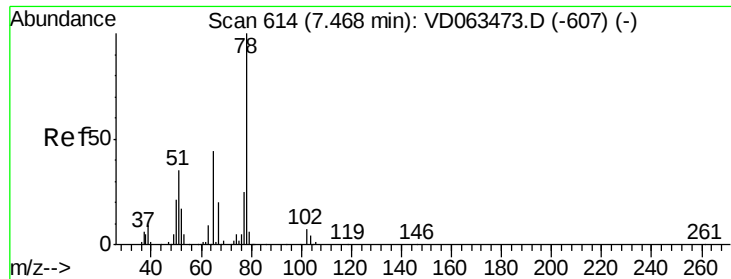
#32
1,1,1-Trichloroethane
Concen: 19.862 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 97 Resp: 358846
Ion Ratio Lower Upper
97 100
99 65.6 50.2 75.4
61 47.0 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 55.569 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

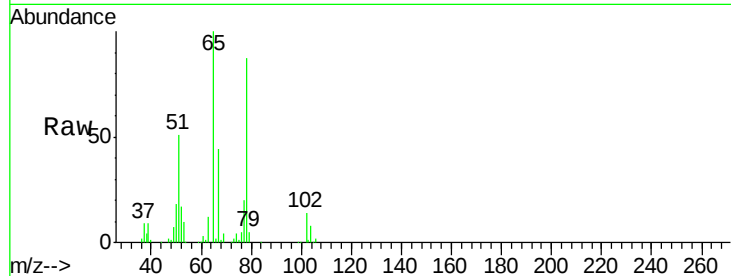
VD0813SBSD02

Tot Ion: 65 Resp: 580562

Ion Ratio Lower Upper

65 100

67 43.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

150000

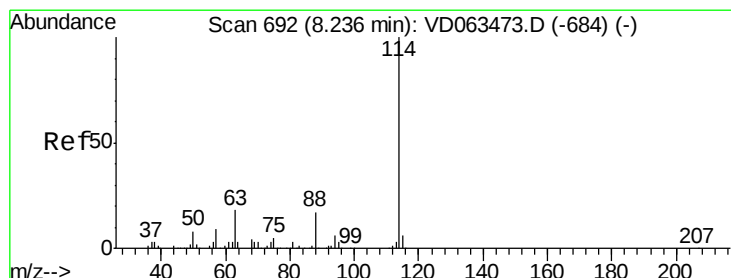
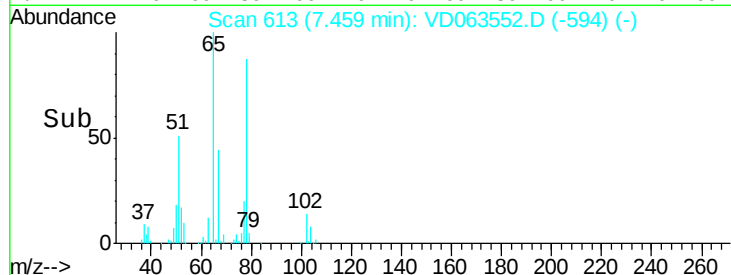
100000

50000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

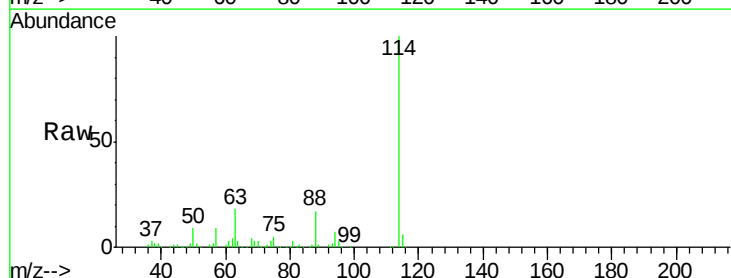
Tgt Ion: 114 Resp: 1385307

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

88 17.4 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

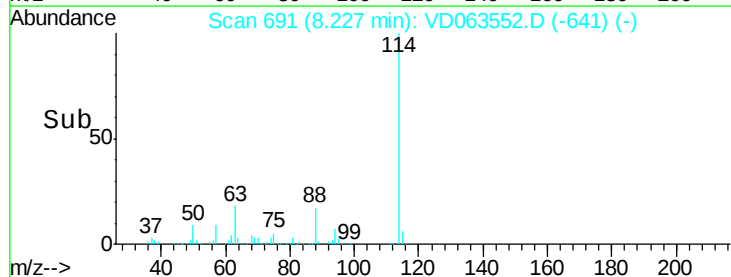
400000

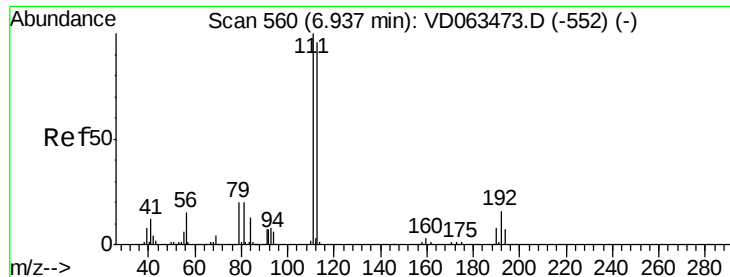
200000

0

8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 54.879 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

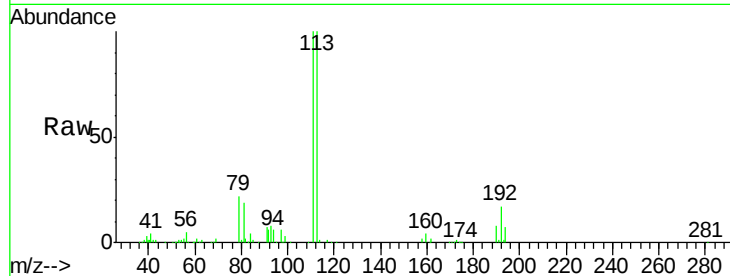
Tot Ion:113 Resp: 640278

Ion Ratio Lower Upper

113 100

111 99.7 83.1 124.7

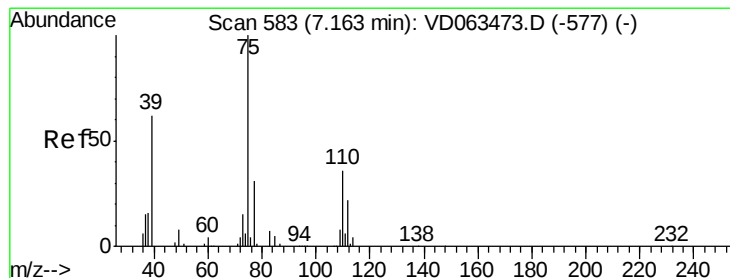
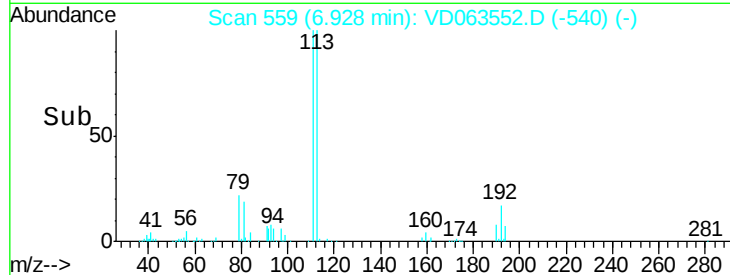
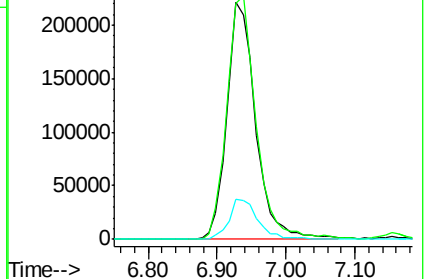
192 16.8 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.881 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

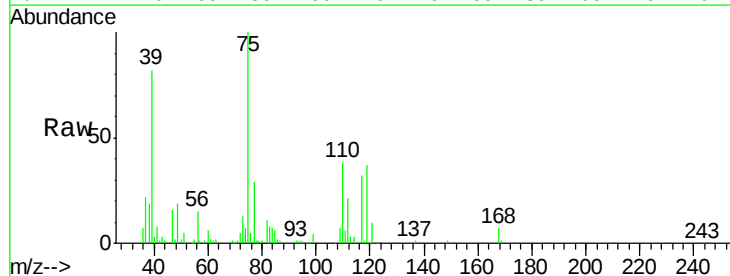
Tgt Ion: 75 Resp: 243472

Ion Ratio Lower Upper

75 100

110 37.7 17.6 52.8

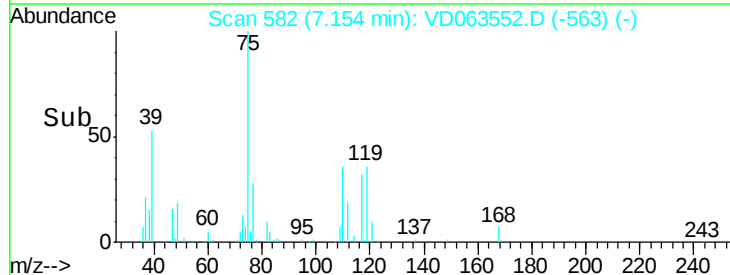
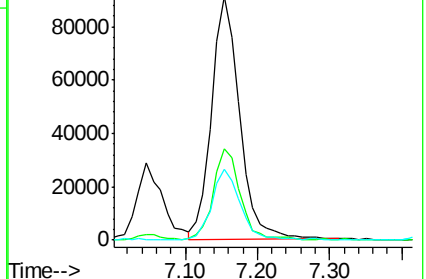
77 29.2 24.3 36.5

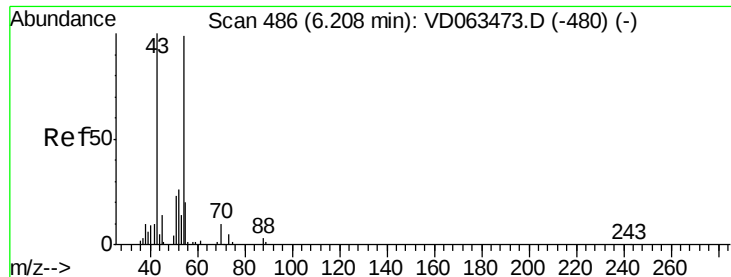


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.031 ug/l

RT: 6.20 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

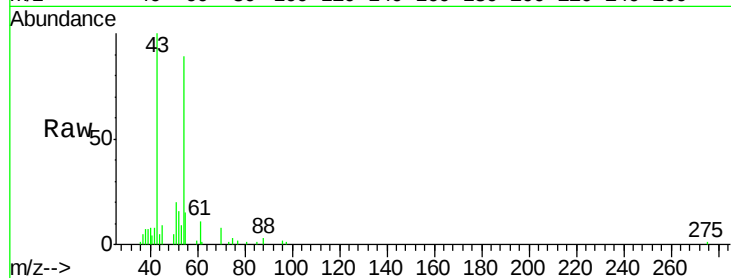
Tot Ion: 43 Resp: 107925

Ion Ratio Lower Upper

43 100

61 10.6 9.0 13.6

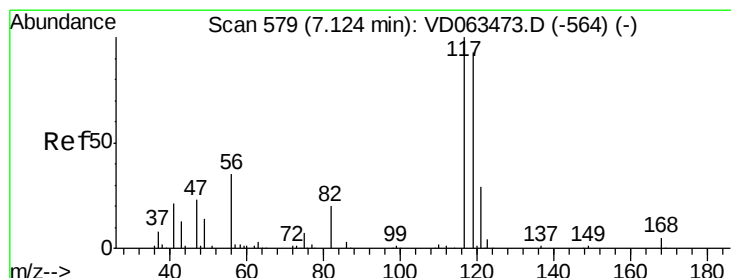
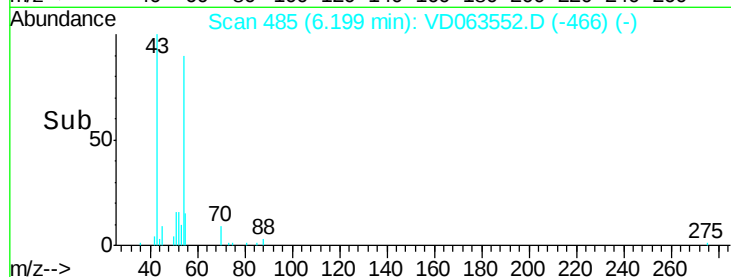
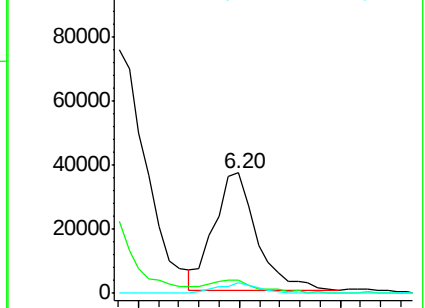
70 8.4 6.9 10.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.274 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

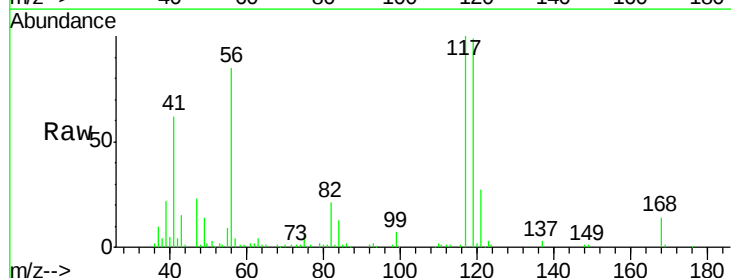
Tgt Ion: 117 Resp: 355734

Ion Ratio Lower Upper

117 100

119 99.3 74.2 111.2

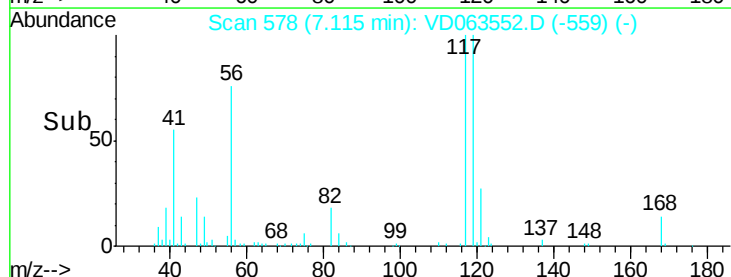
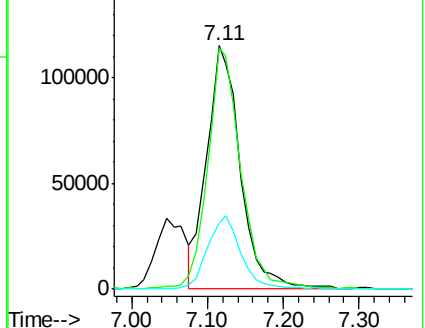
121 27.2 23.1 34.7

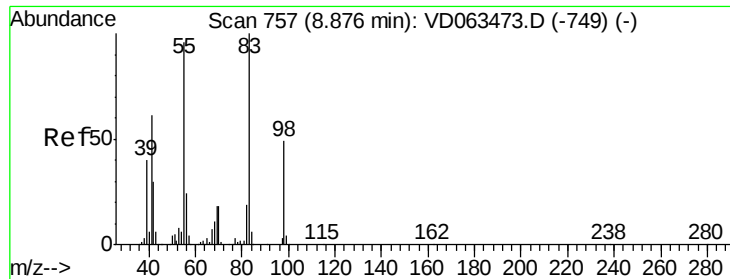


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

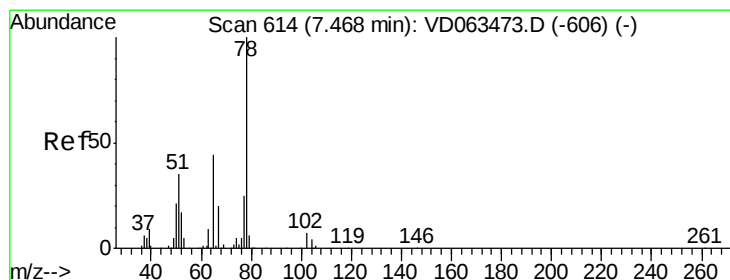
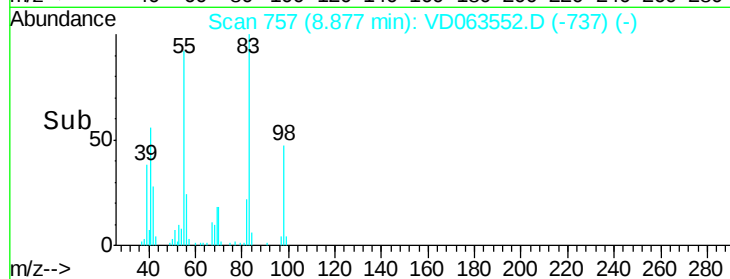
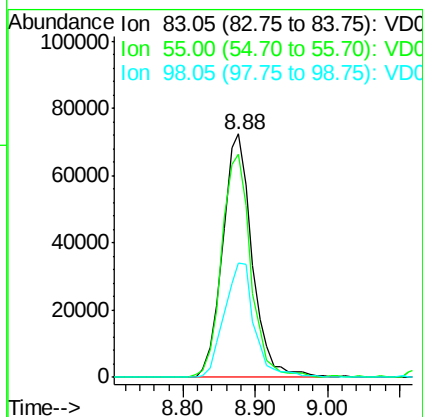
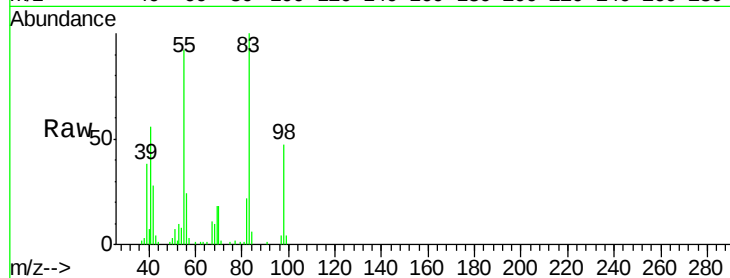




#39
Methvlcvclohexane
Concen: 19.727 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

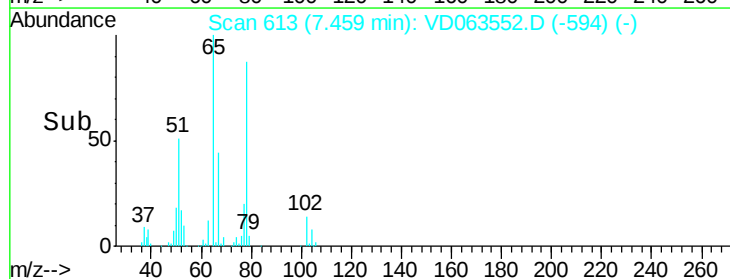
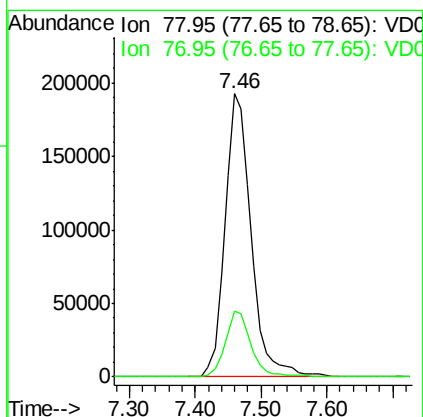
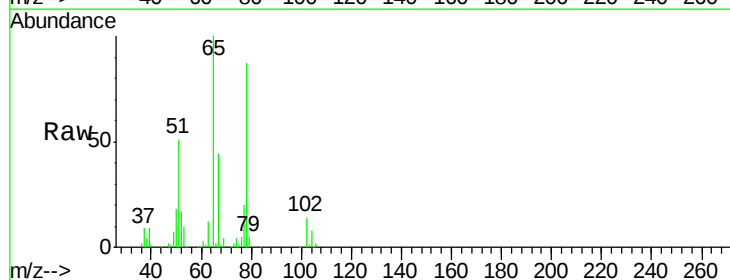
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

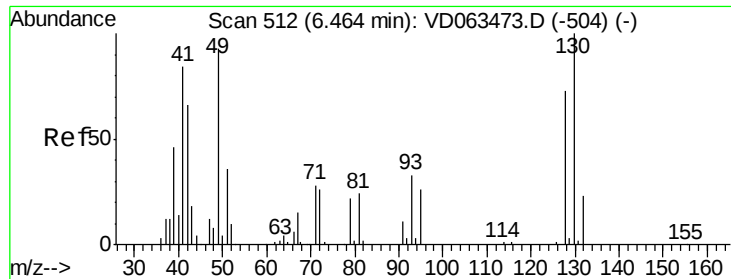
Tot Ion: 83 Resp: 205428
Ion Ratio Lower Upper
83 100
55 91.7 76.6 114.8
98 47.0 39.4 59.0



#40
Benzene
Concen: 19.856 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 78 Resp: 535127
Ion Ratio Lower Upper
78 100
77 23.0 20.1 30.1

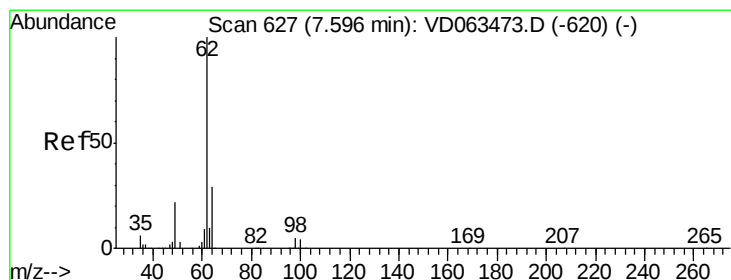
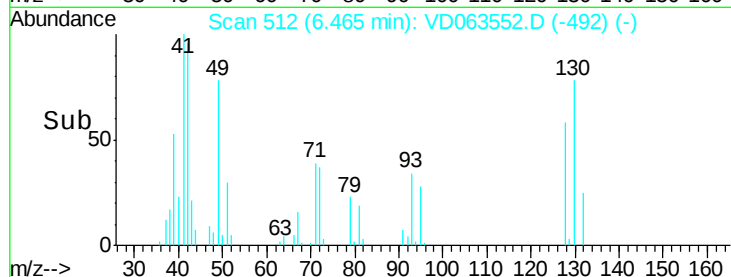
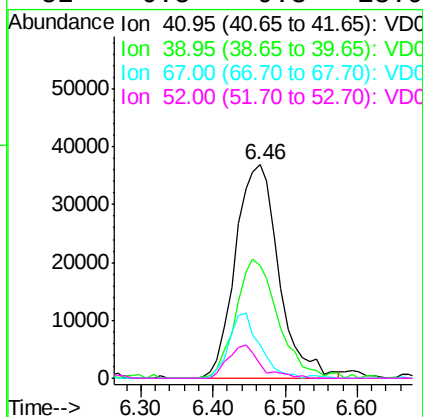
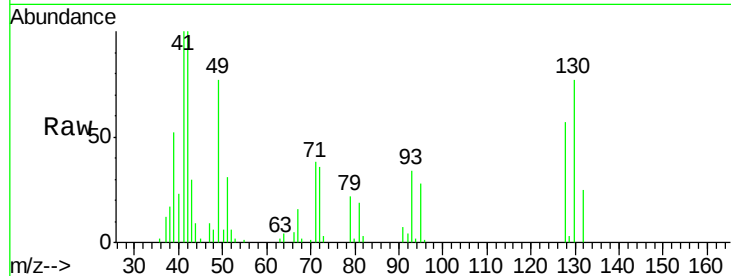




#41
Methacrylonitrile
Concen: 23.915 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

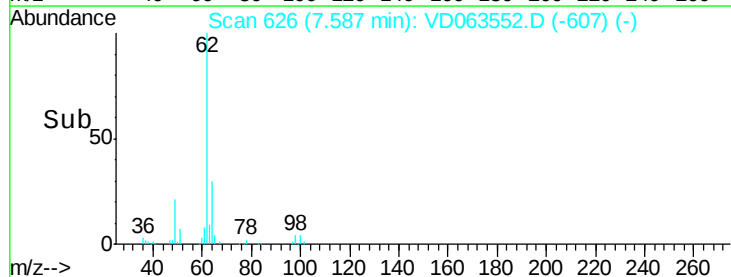
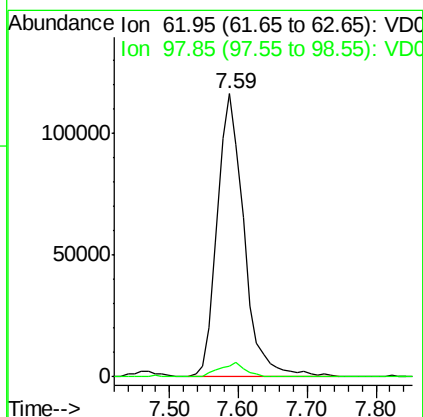
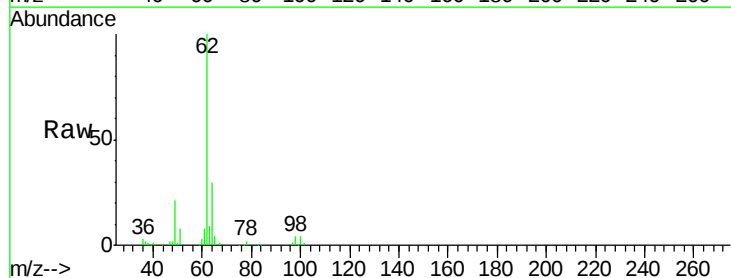
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

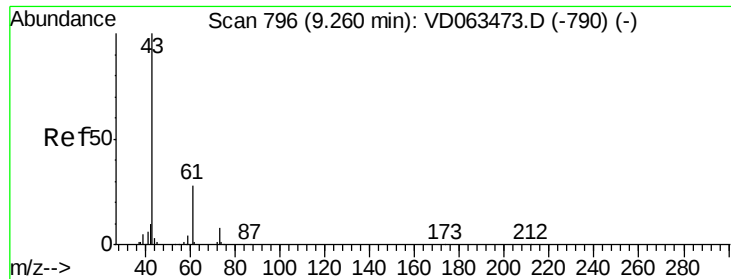
Tot Ion: 41 Resp: 154520
Ion Ratio Lower Upper
41 100
39 52.6 44.6 66.8
67 15.6 14.4 21.6
52 6.5 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 23.157 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 62 Resp: 313811
Ion Ratio Lower Upper
62 100
98 3.9 0.0 10.4



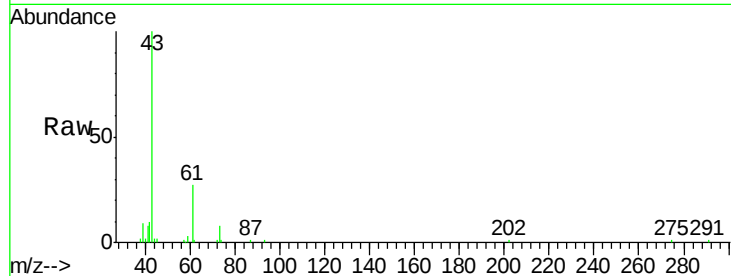


#43

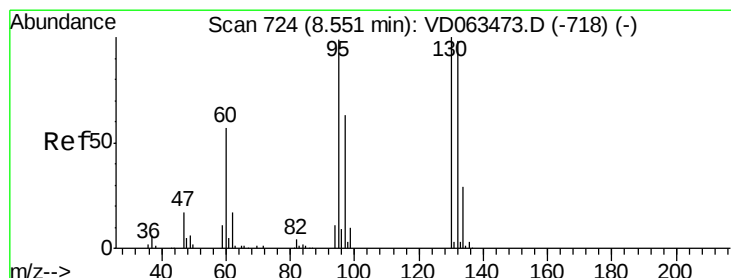
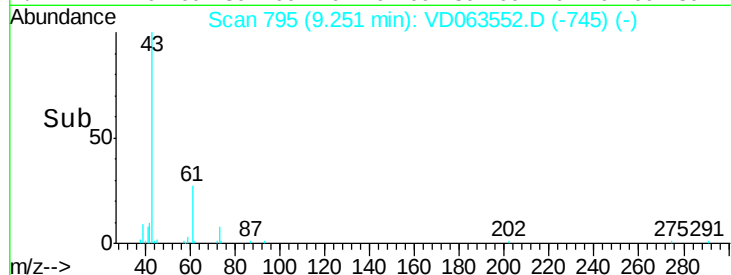
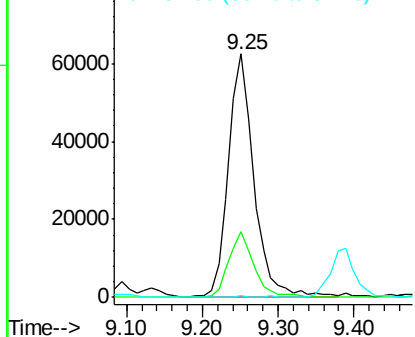
Isopropyl Acetate
 Concen: 21.307 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

Tot Ion: 43 Resp: 146439
 Ion Ratio Lower Upper
 43 100
 61 27.0 22.2 33.2
 87 0.8 0.2 0.4#



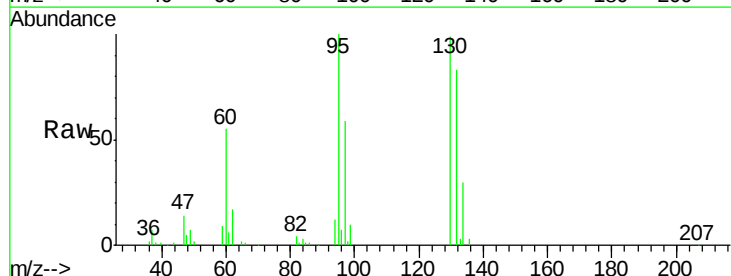
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



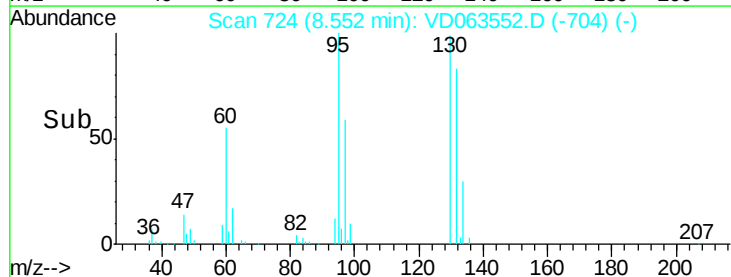
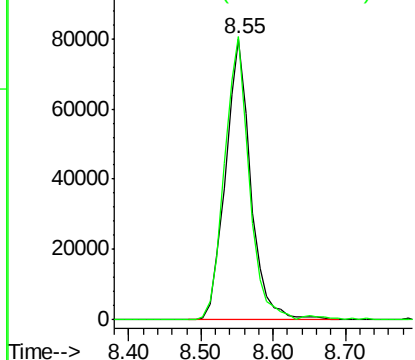
#44

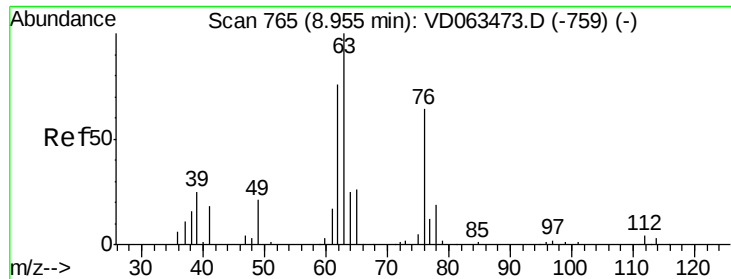
Trichloroethene
 Concen: 18.733 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 130 Resp: 192968
 Ion Ratio Lower Upper
 130 100
 95 100.7 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: 22.409 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

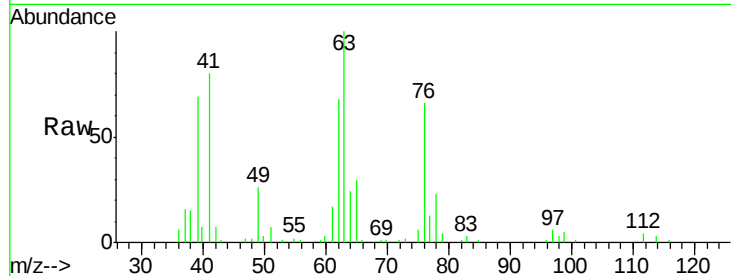
VD0813SBSD02

Tot Ion: 63 Resp: 140642

Ion Ratio Lower Upper

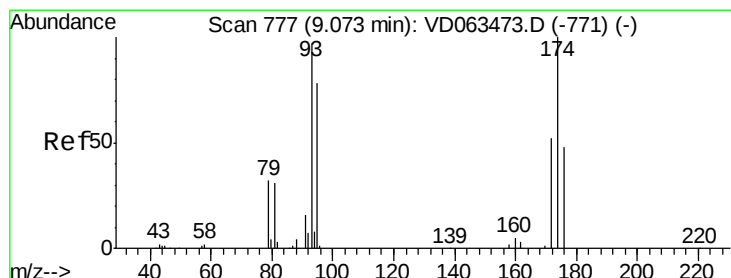
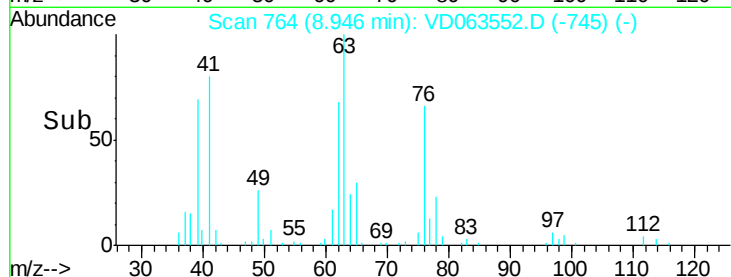
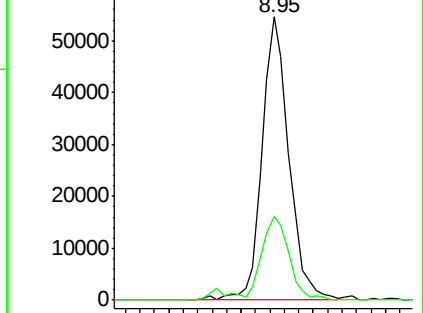
63 100

65 29.8 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: 23.099 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

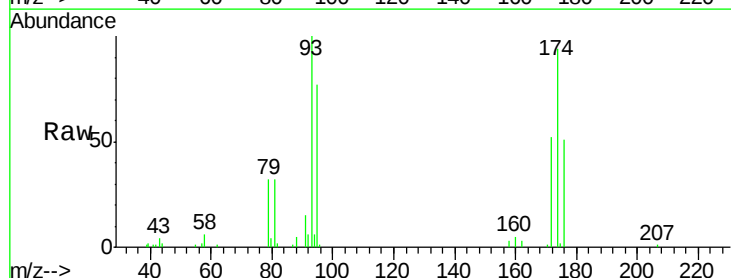
Tgt Ion: 93 Resp: 123804

Ion Ratio Lower Upper

93 100

95 76.6 64.2 96.2

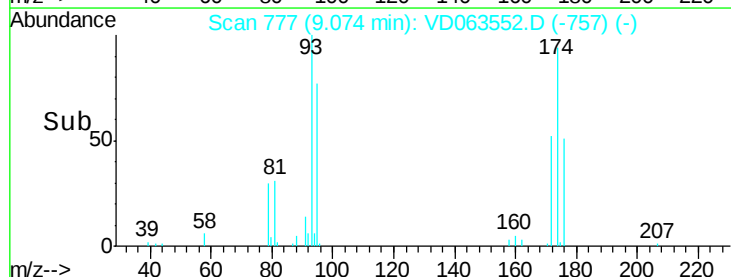
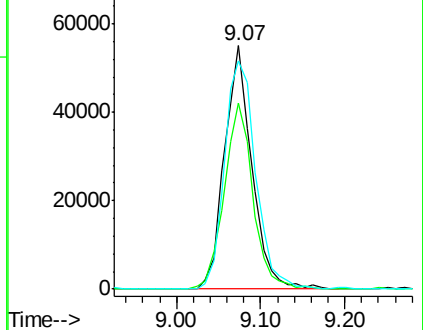
174 94.0 82.1 123.1

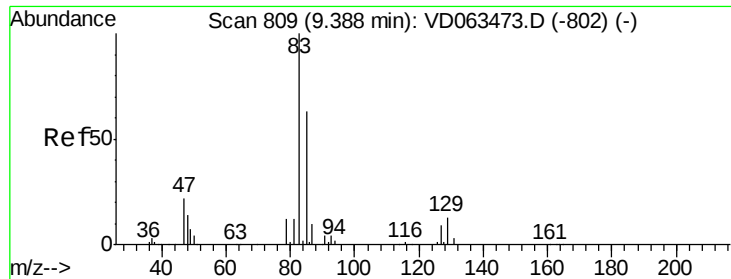


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.003 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

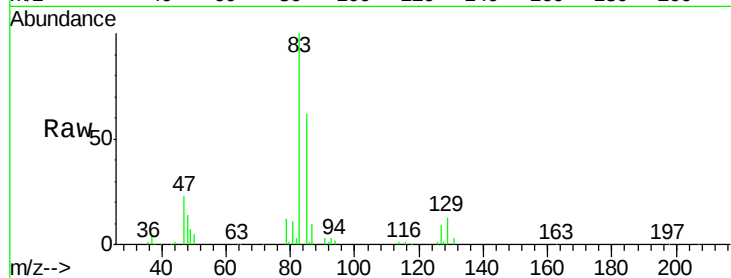
Tot Ion: 83 Resp: 302492

Ion Ratio Lower Upper

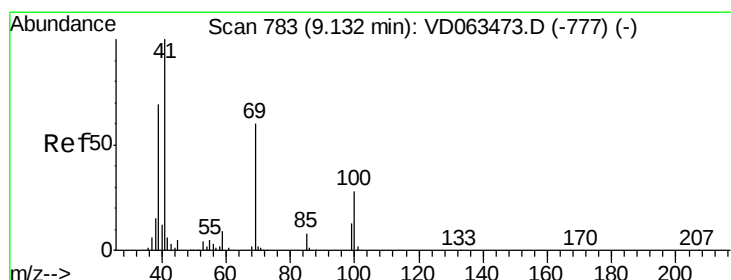
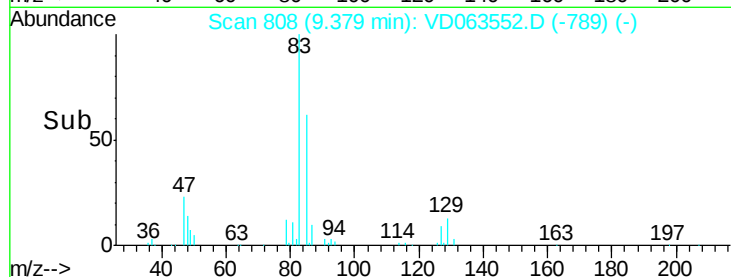
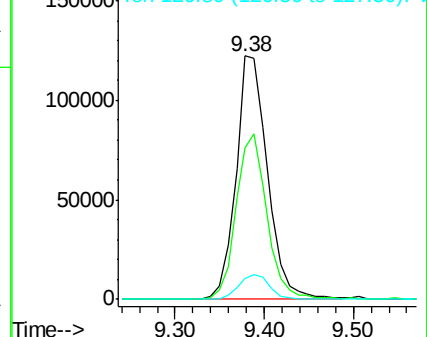
83 100

85 62.4 50.1 75.1

127 8.8 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: 21.763 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

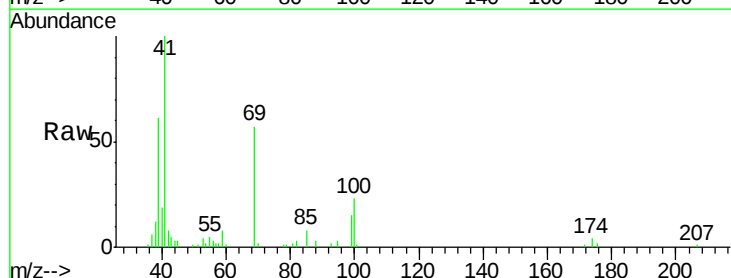
Tgt Ion: 41 Resp: 101439

Ion Ratio Lower Upper

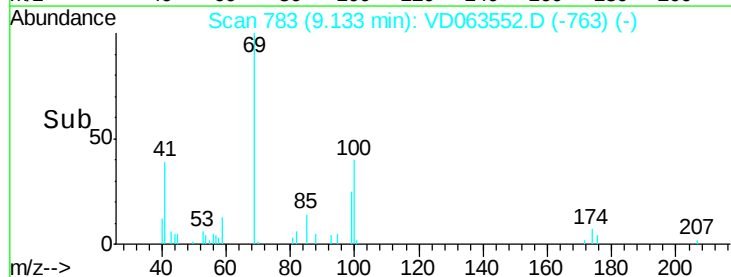
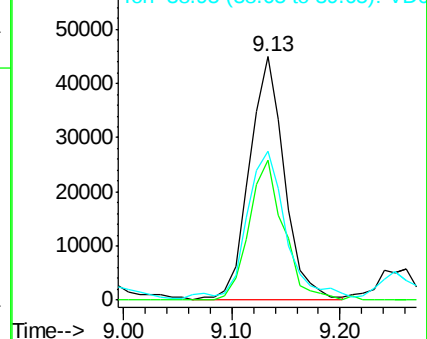
41 100

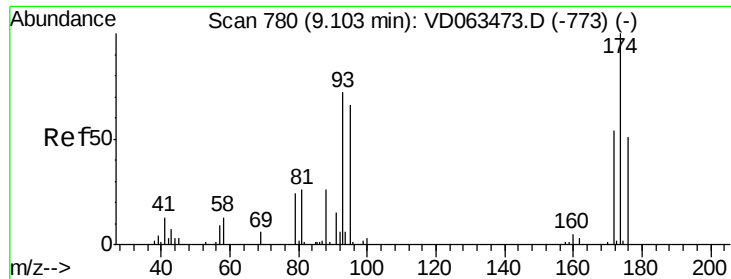
69 57.4 47.6 71.4

39 61.2 55.7 83.5



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





#49

1,4-Dioxane

Concen: 401.653 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

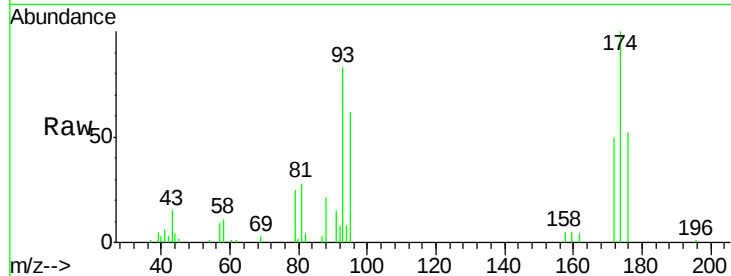
Tot Ion: 88 Resp: 16086

Ion Ratio Lower Upper

88 100

43 74.5 22.9 34.3#

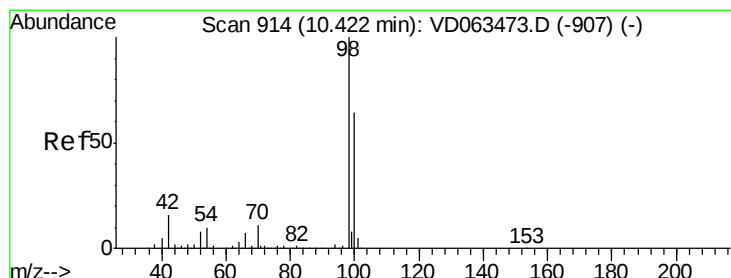
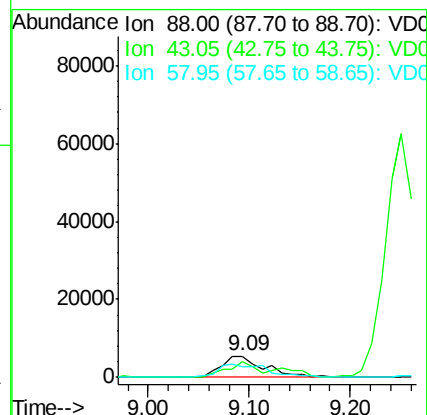
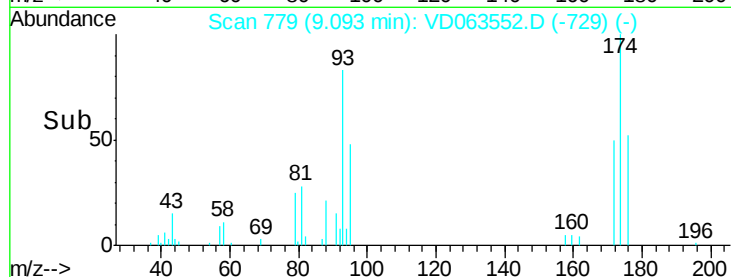
58 52.8 40.1 60.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 52.394 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063552.D

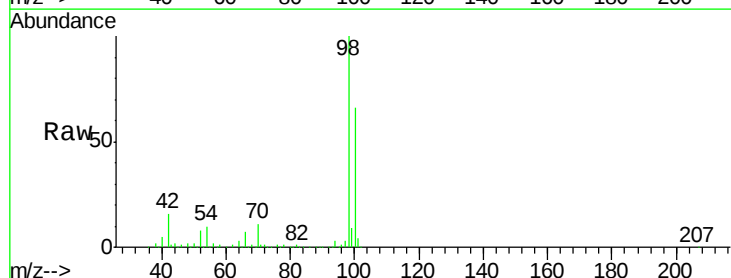
Acq: 14 Aug 2019 3:56

Tgt Ion: 98 Resp: 1343957

Ion Ratio Lower Upper

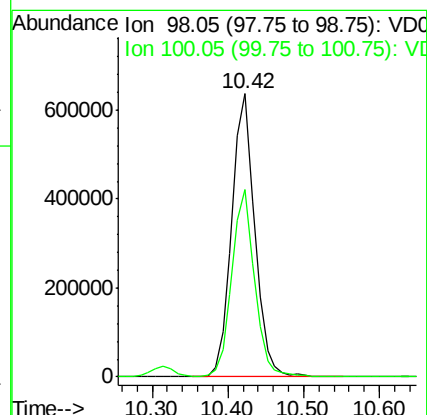
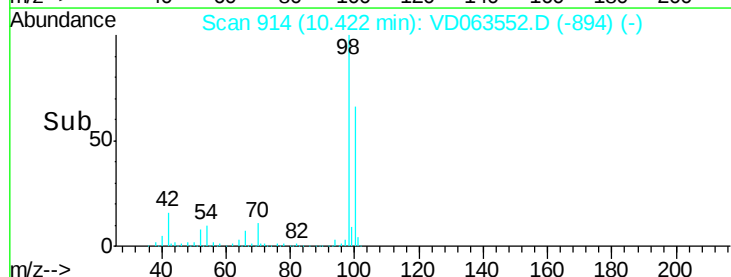
98 100

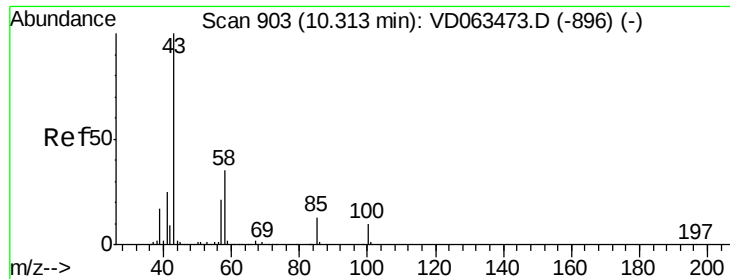
100 66.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

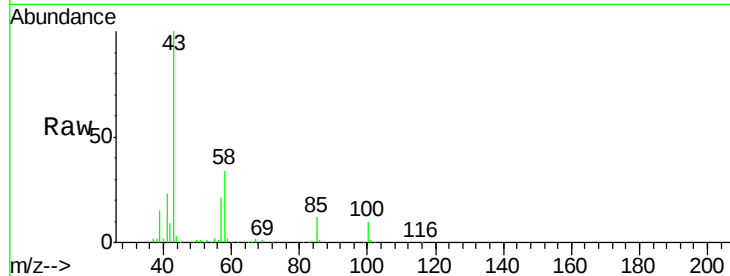




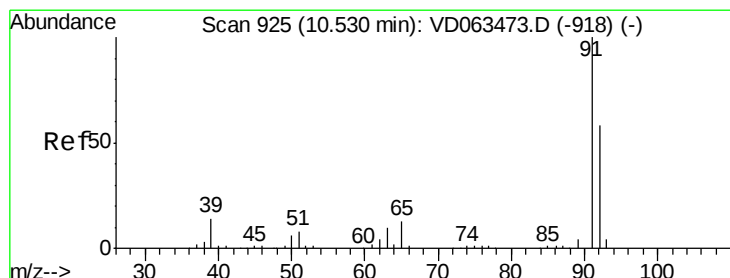
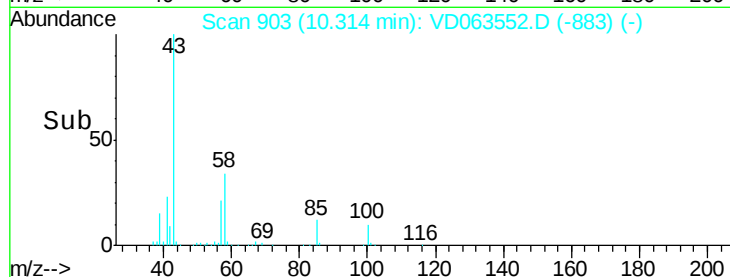
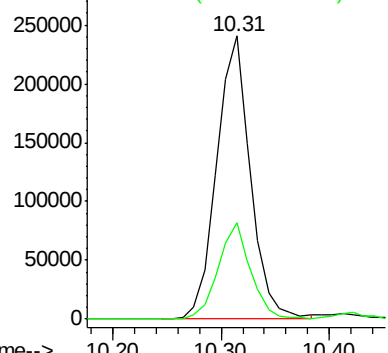
#51
 4-Methyl-2-Pentanone
 Concen: 110.620 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0813SBS02

Tot Ion: 43 Resp: 520240
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.0 42.0

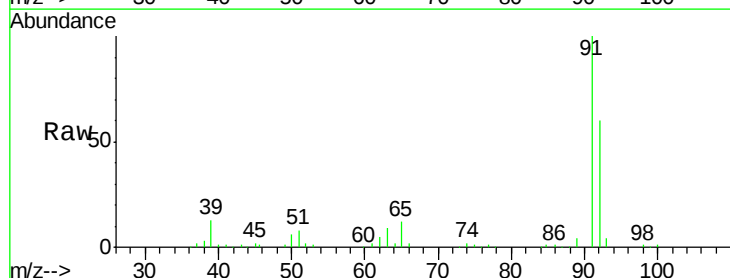


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

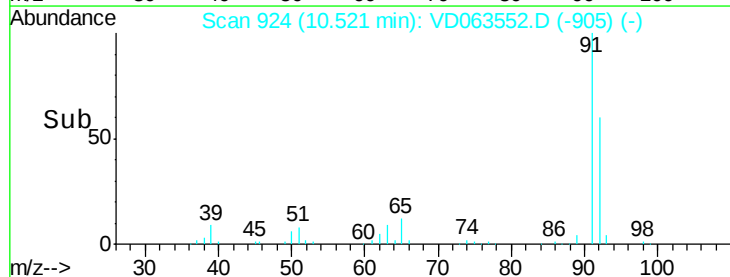
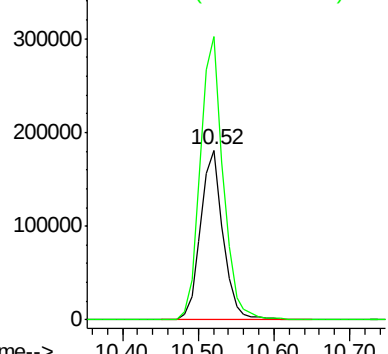


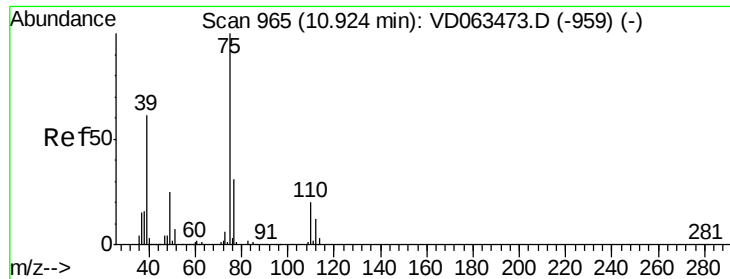
#52
 Toluene
 Concen: 21.406 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 92 Resp: 371573
 Ion Ratio Lower Upper
 92 100
 91 166.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

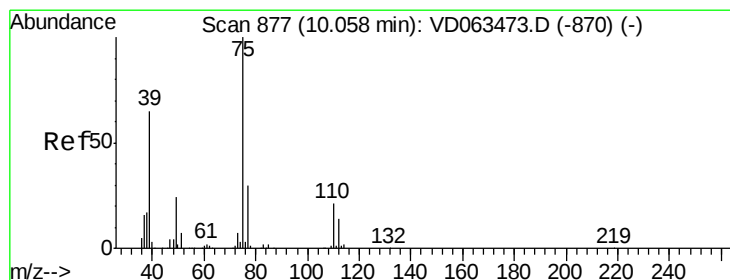
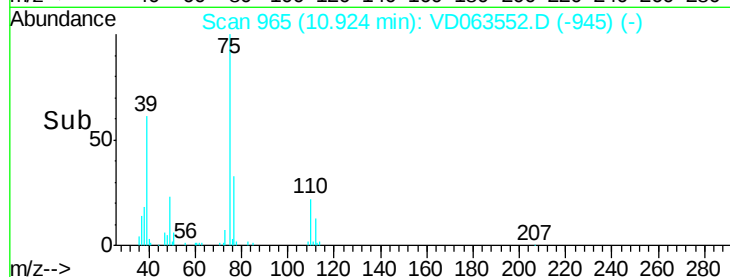
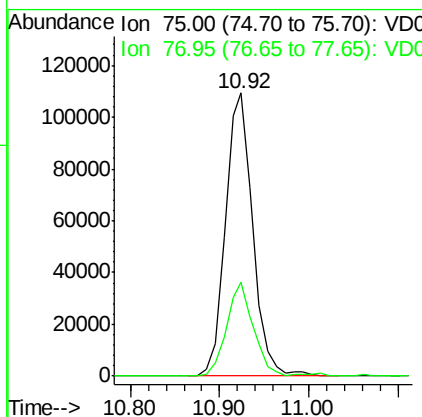
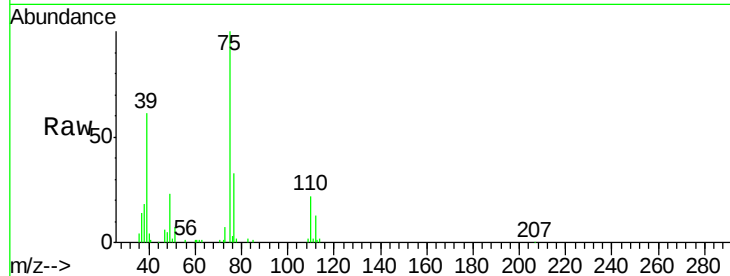




#53
 t-1,3-Dichloropropene
 Concen: 20.936 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

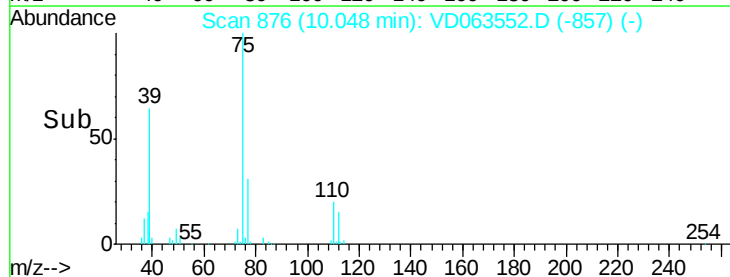
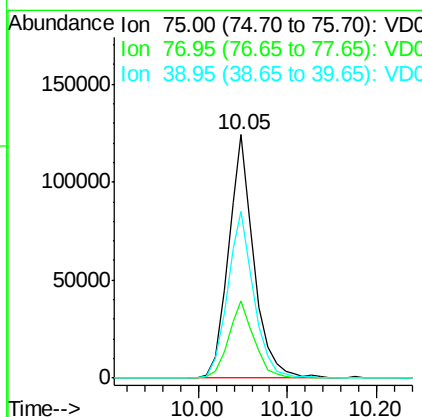
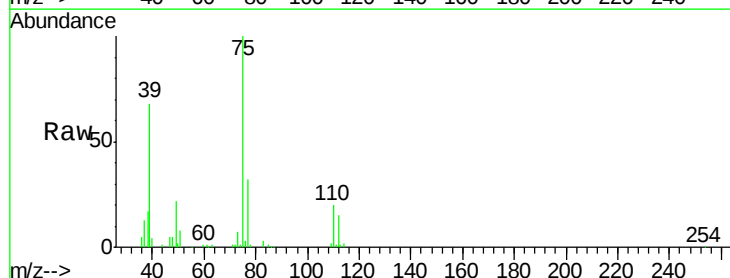
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

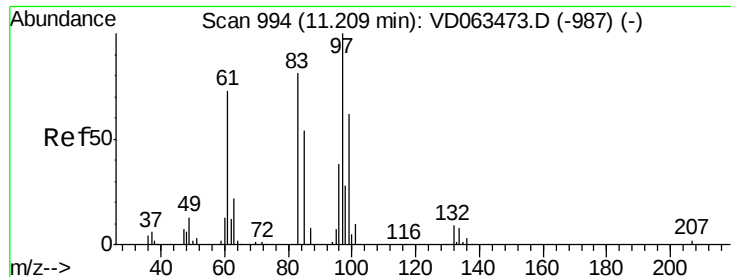
Tot Ion: 75 Resp: 234897
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.537 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 247166
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.7 35.5
 39 68.3 52.2 78.4

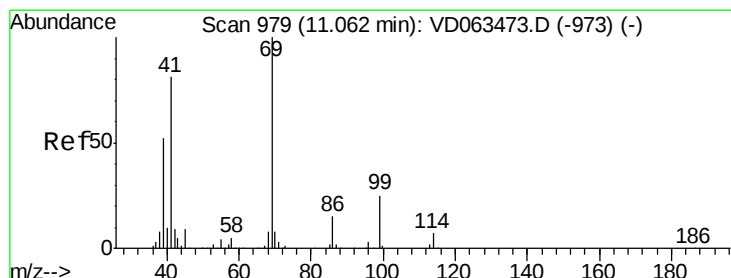
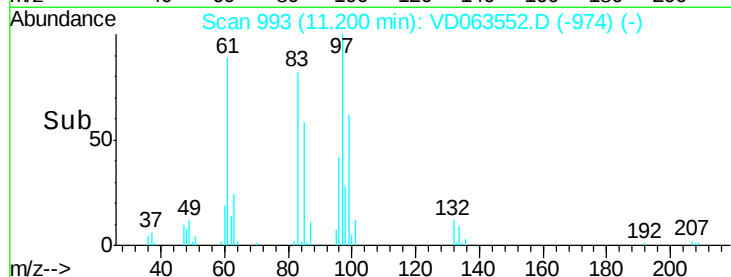
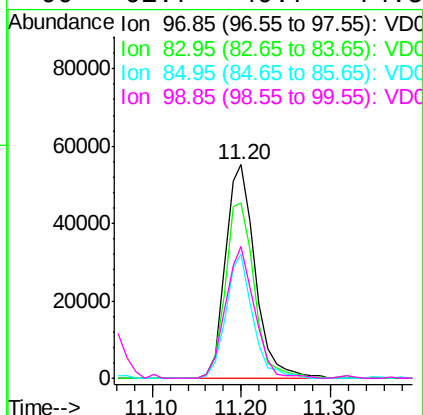
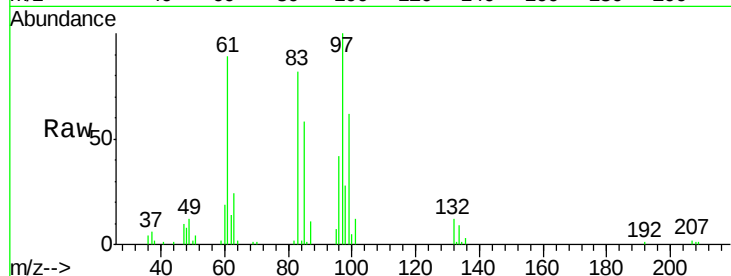




#55
 1,1,2-Trichloroethane
 Concen: 22.128 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

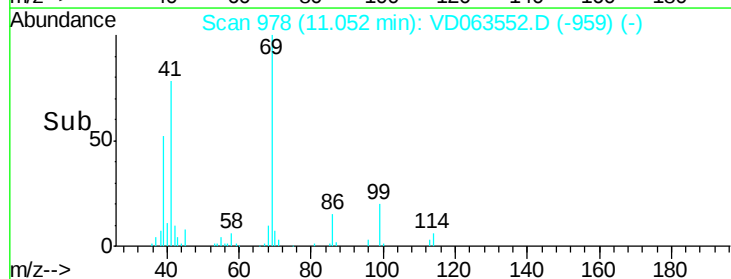
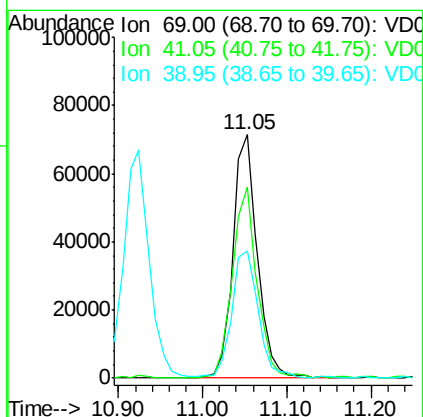
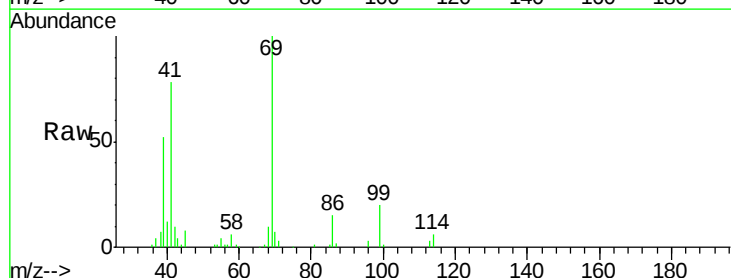
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

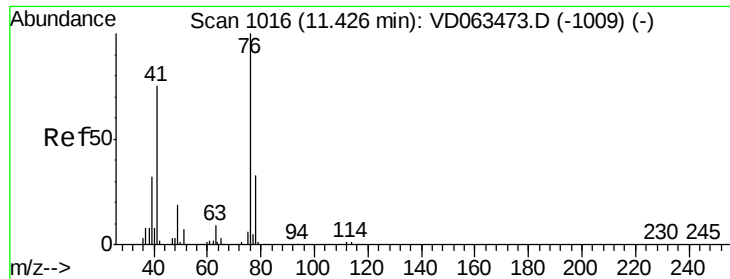
Tot Ion:	97	Resp:	129749
Ion	Ratio	Lower	Upper
97	100		
83	82.1	64.7	97.1
85	57.9	42.9	64.3
99	61.7	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 22.534 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion:	69	Resp:	143412
Ion	Ratio	Lower	Upper
69	100		
41	78.3	64.8	97.2
39	52.0	42.4	63.6





#57

1,3-Dichloropropane

Concen: 21.202 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

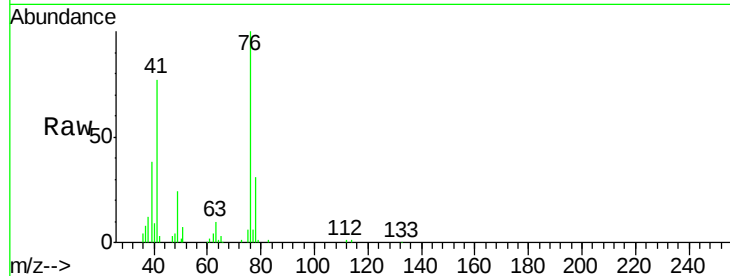
VD0813SBSD02

Tot Ion: 76 Resp: 187924

Ion Ratio Lower Upper

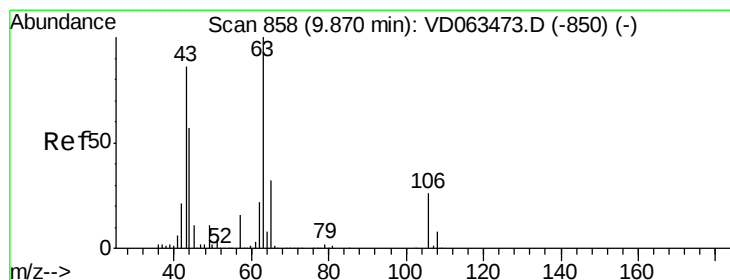
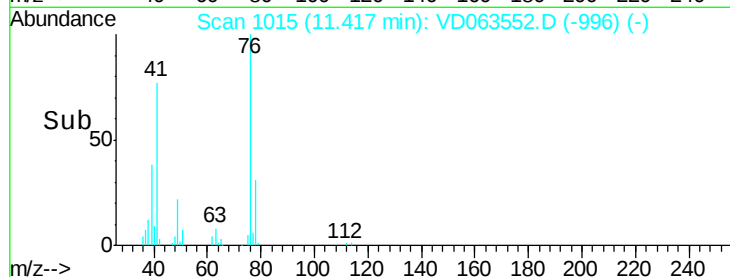
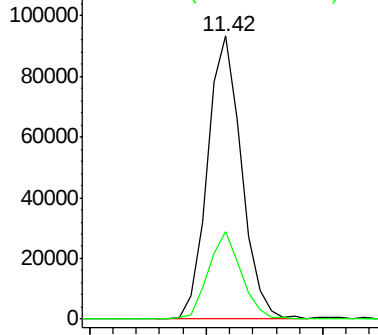
76 100

78 30.8 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: 111.053 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD063552.D

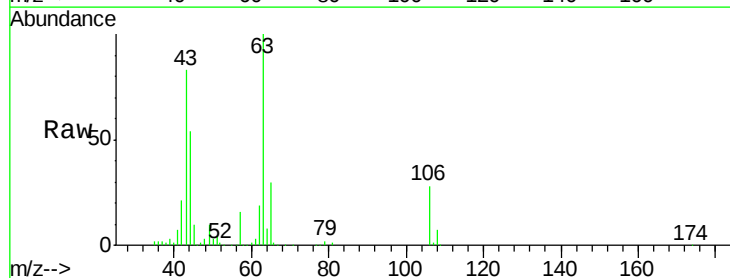
Acq: 14 Aug 2019 3:56

Tgt Ion: 63 Resp: 373132

Ion Ratio Lower Upper

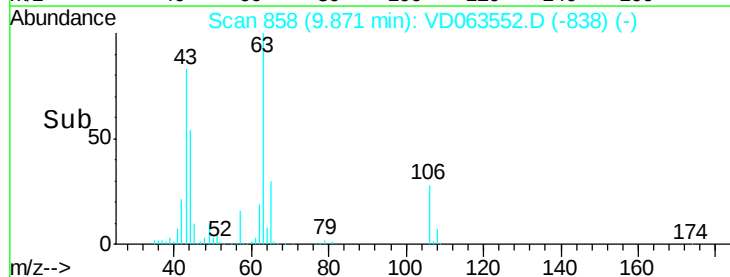
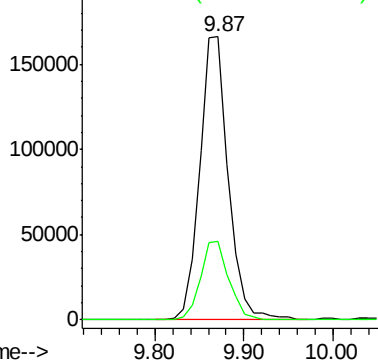
63 100

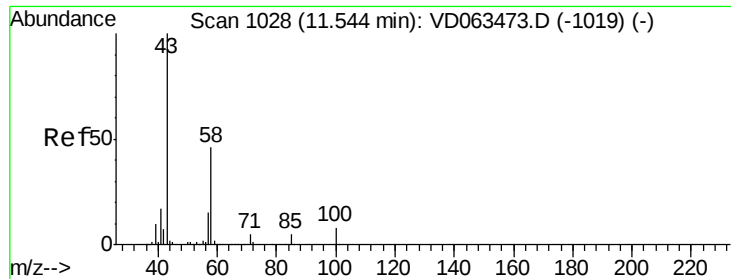
106 27.8 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

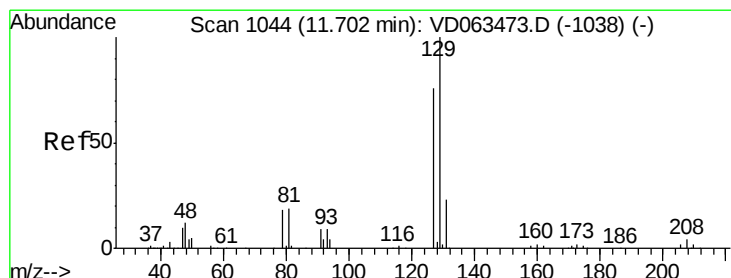
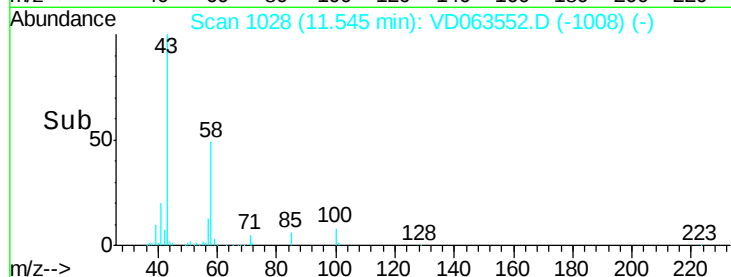
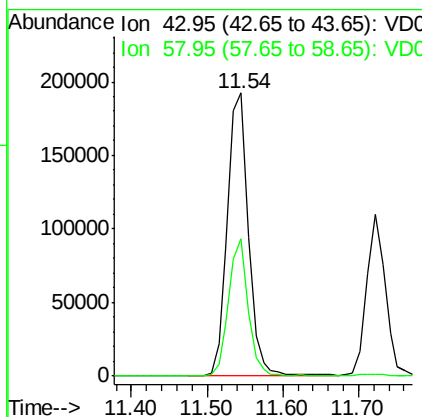
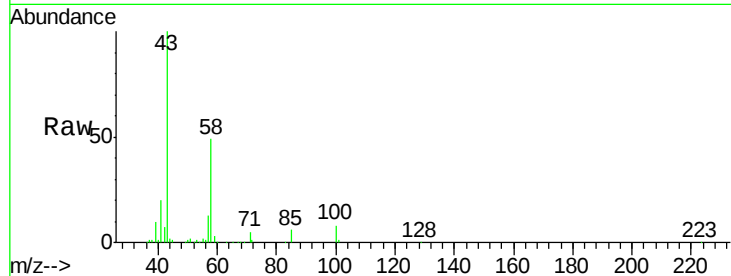




#59
2-Hexanone
Concen: 108.829 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

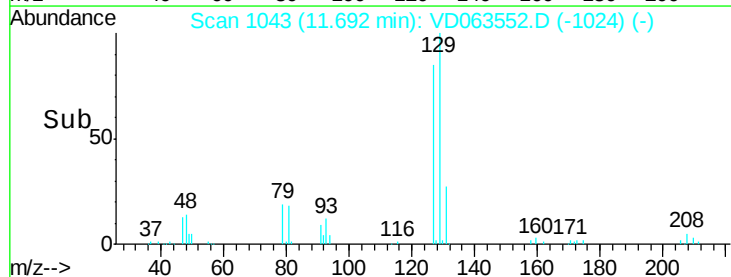
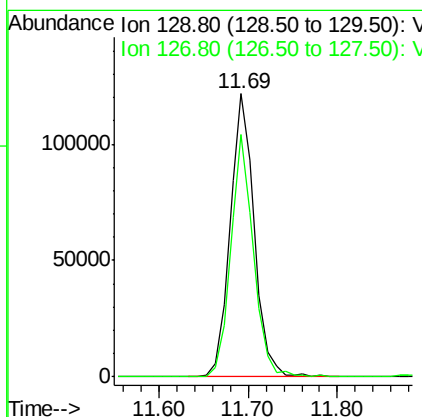
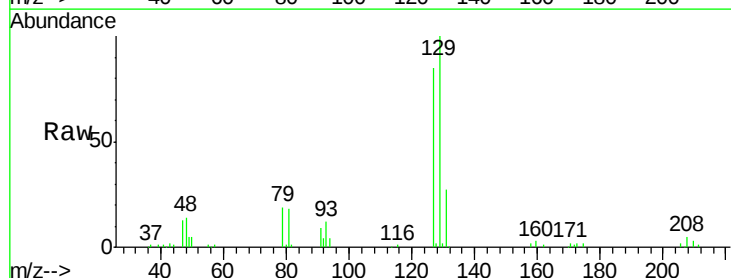
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

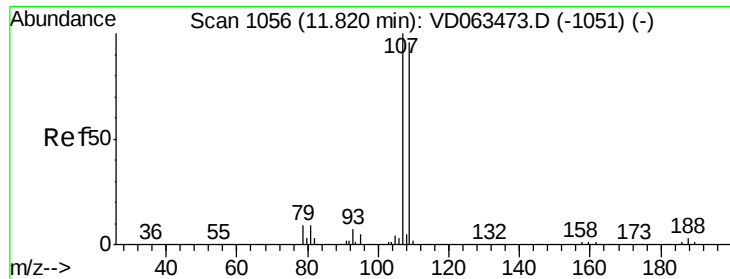
Tot Ion: 43 Resp: 372411
Ion Ratio Lower Upper
43 100
58 48.7 23.1 69.2



#60
Dibromochloromethane
Concen: 21.582 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 129 Resp: 230274
Ion Ratio Lower Upper
129 100
127 85.5 37.8 113.4

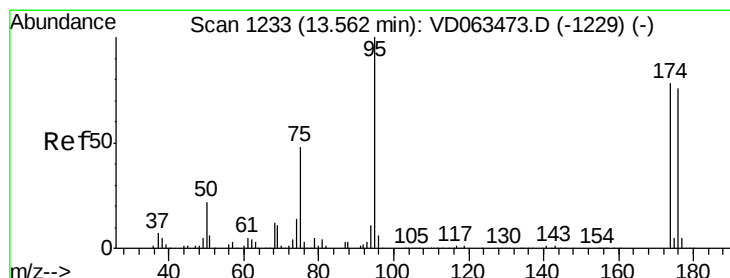
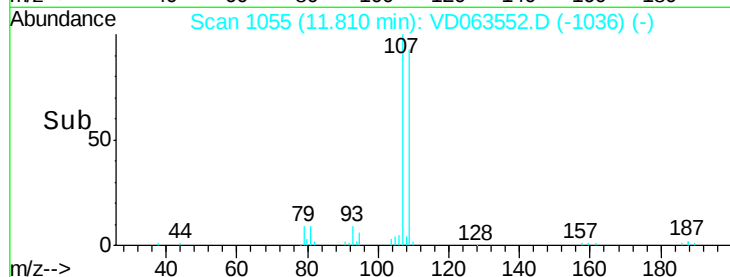
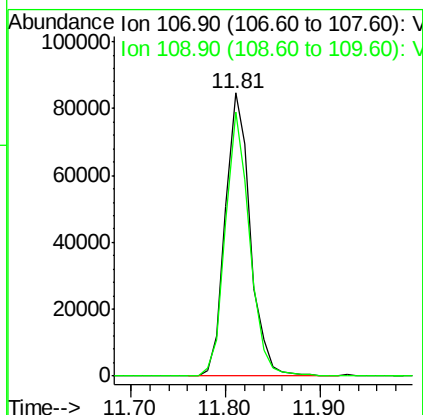
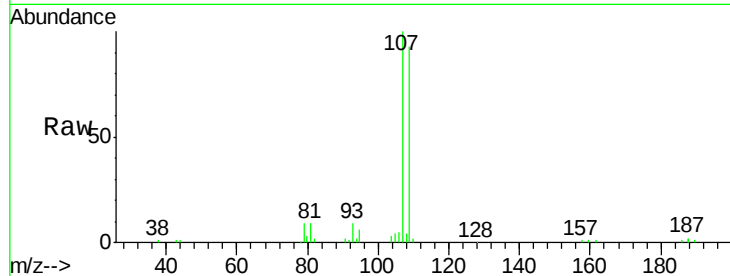




#61
 1,2-Dibromoethane
 Concen: 21.781 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

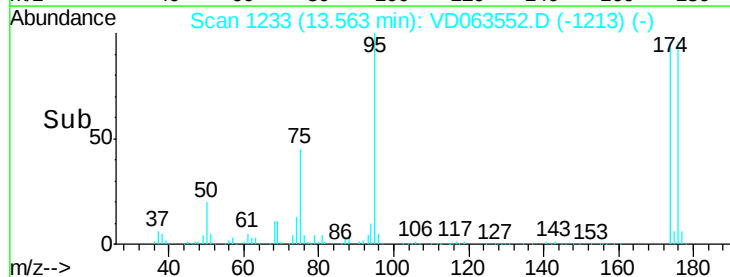
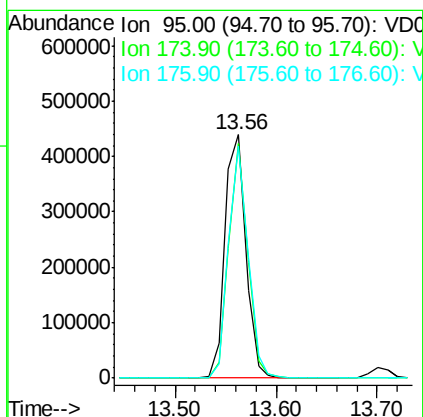
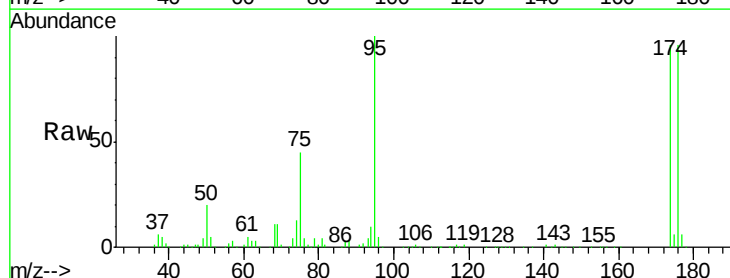
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

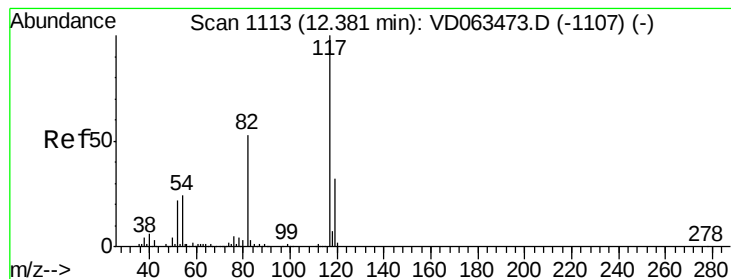
Tot Ion: 107 Resp: 154612
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.450 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 95 Resp: 633035
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 155.4
 176 95.5 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

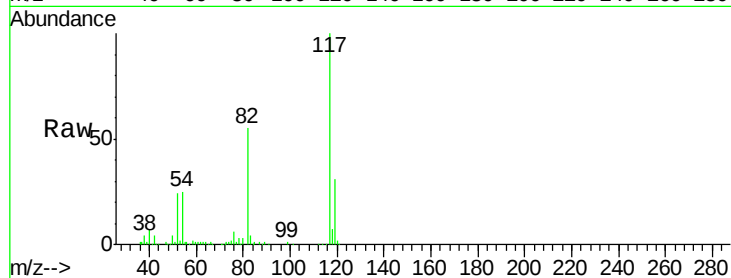
Tot Ion:117 Resp: 1199108

Ion Ratio Lower Upper

117 100

82 54.6 42.0 63.0

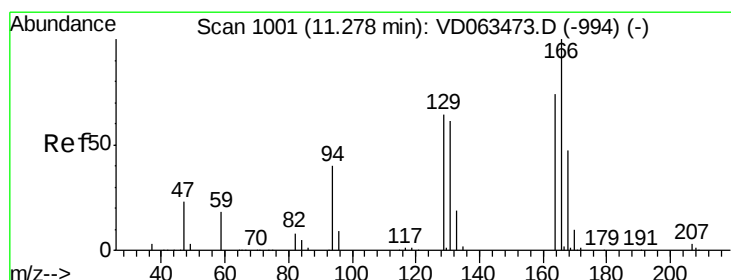
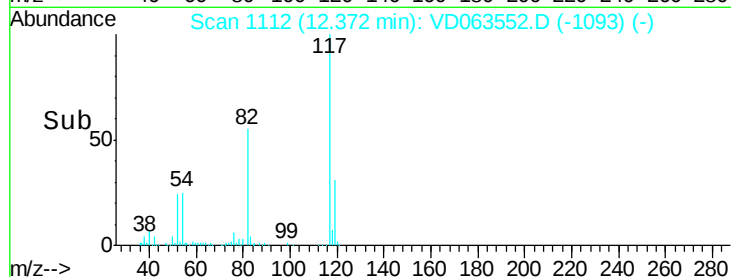
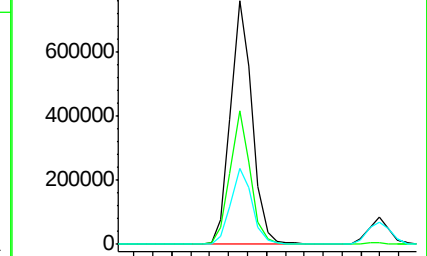
119 31.3 25.4 38.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 20.359 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion:164 Resp: 188459

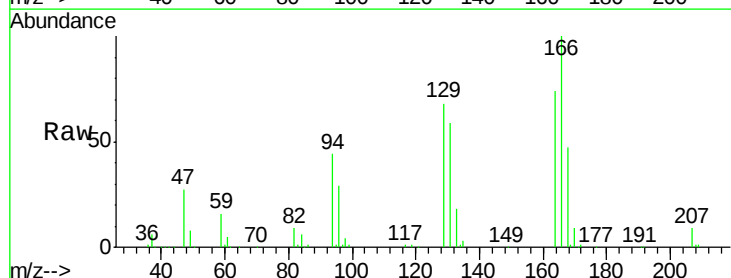
Ion Ratio Lower Upper

164 100

166 134.6 108.6 163.0

129 91.2 69.0 103.6

131 79.4 66.6 99.8

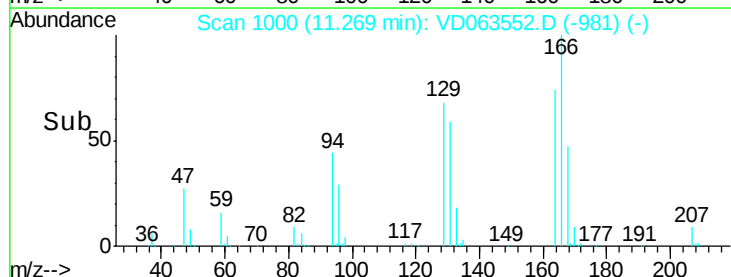
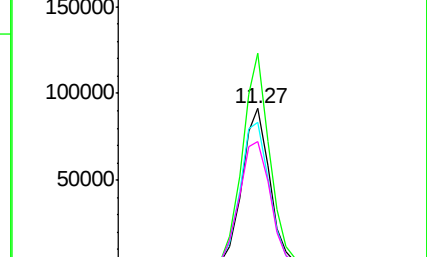


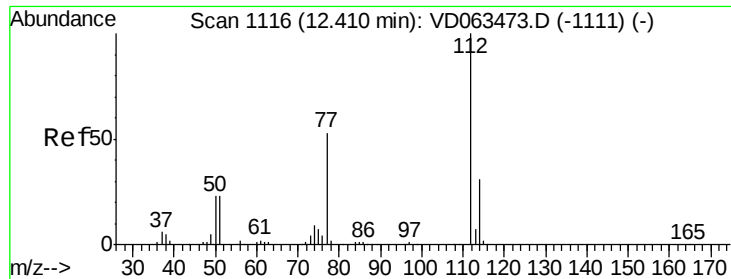
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

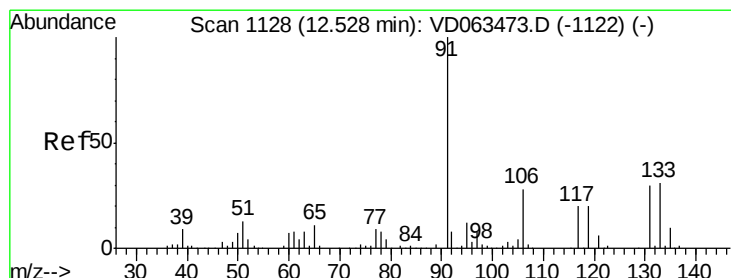
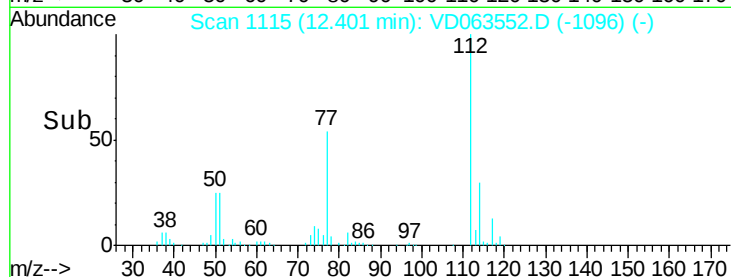
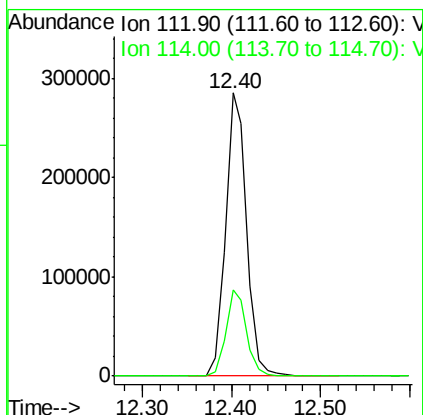
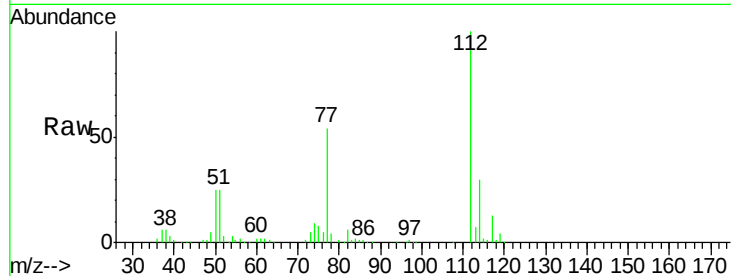




#65
Chlorobenzene
Concen: 21.117 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

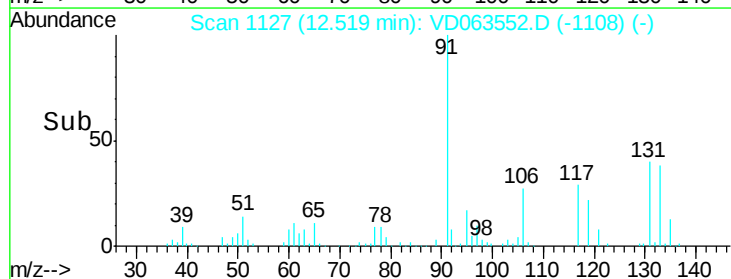
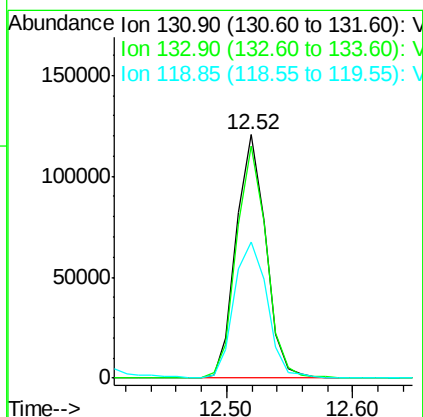
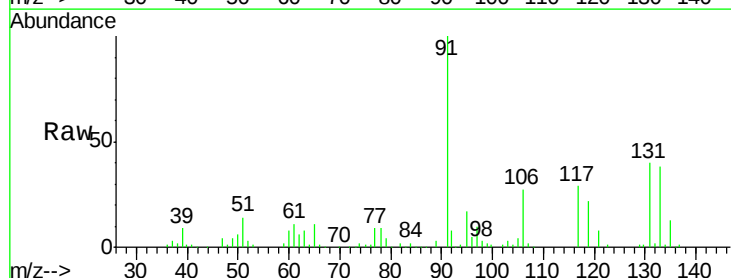
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

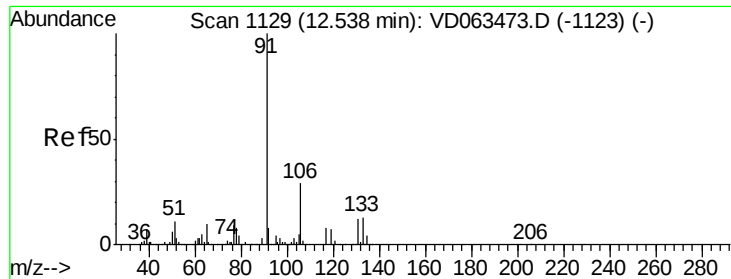
Tot Ion:112 Resp: 474577
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:131 Resp: 196070
Ion Ratio Lower Upper
131 100
133 95.5 51.1 153.3
119 55.8 33.1 99.3

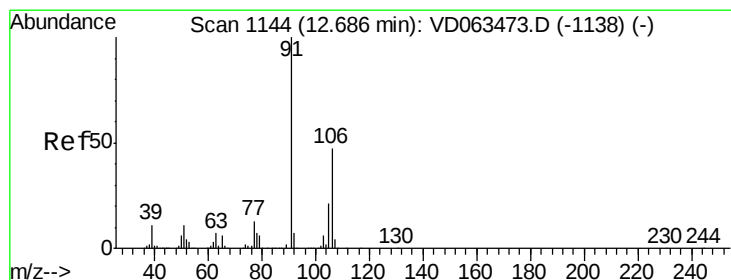
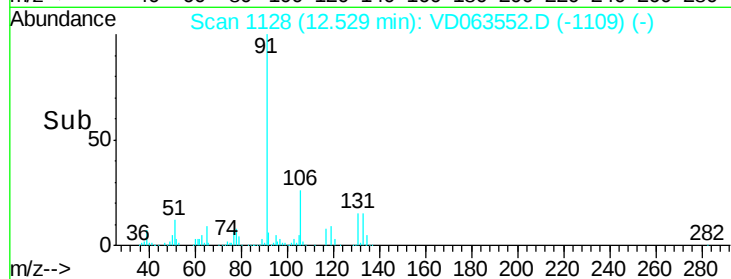
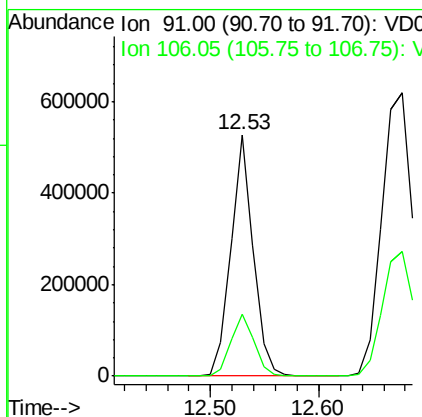
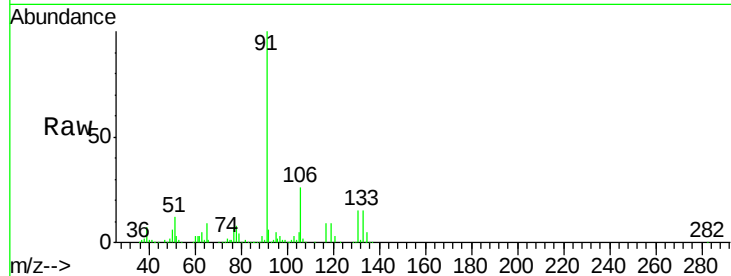




#67
Ethyl Benzene
Concen: 19.560 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

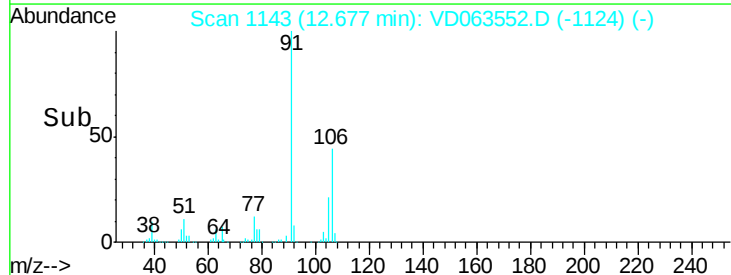
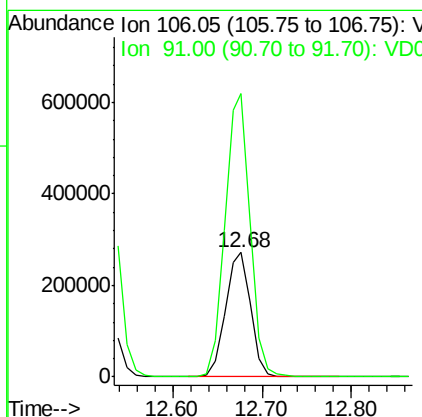
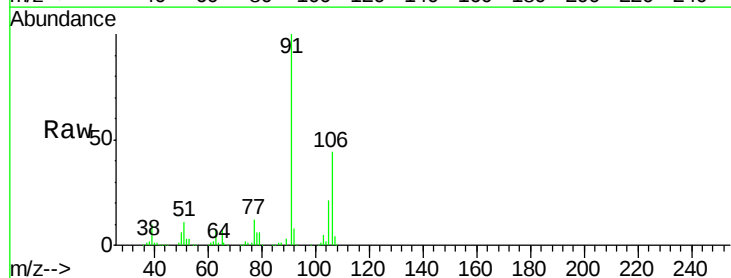
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

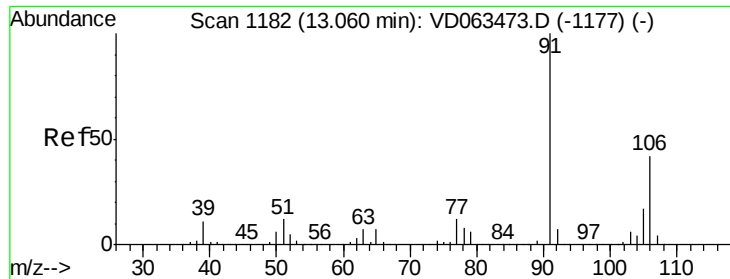
Tot Ion: 91 Resp: 764361
Ion Ratio Lower Upper
91 100
106 25.8 23.1 34.7



#68
m/p-Xylenes
Concen: 39.401 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 106 Resp: 540937
Ion Ratio Lower Upper
106 100
91 227.6 171.8 257.8

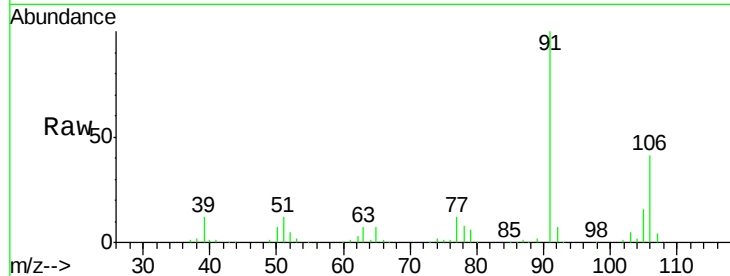




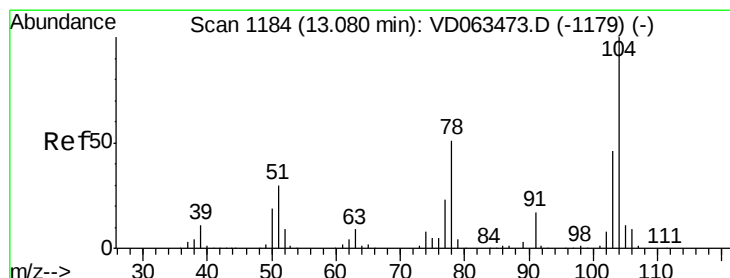
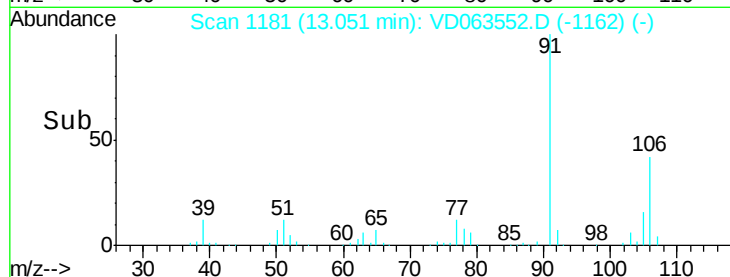
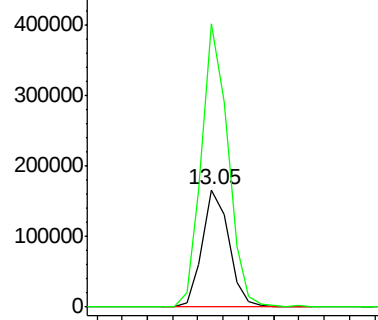
#69
o-Xylene
Concen: 18.246 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

Tot Ion:106 Resp: 241092
Ion Ratio Lower Upper
106 100
91 241.5 118.1 354.2

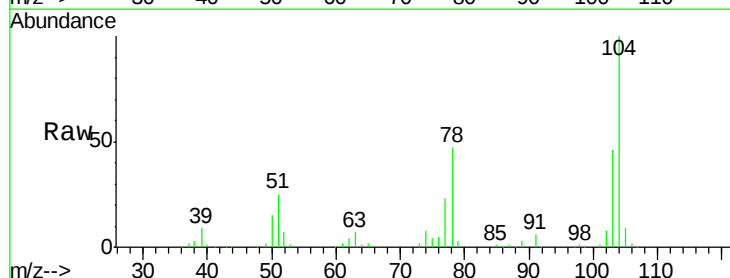


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

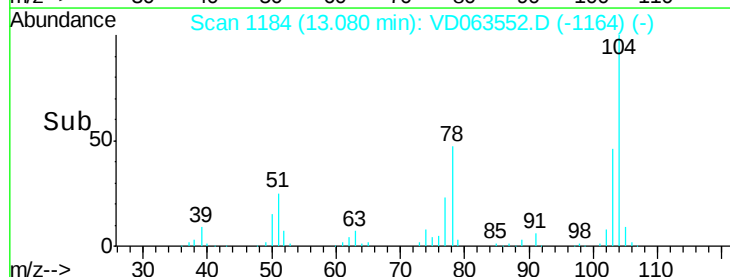
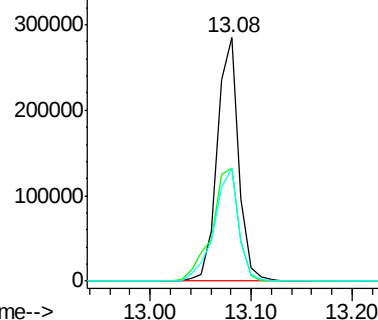


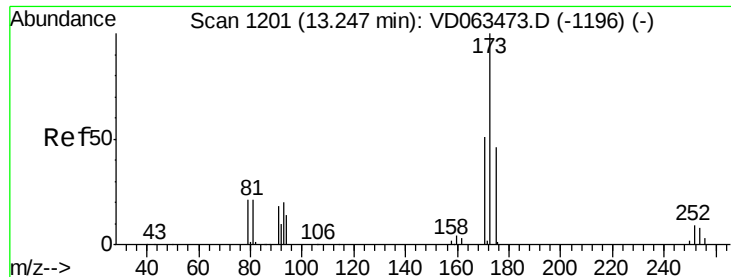
#70
Styrene
Concen: 17.890 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:104 Resp: 420483
Ion Ratio Lower Upper
104 100
78 46.6 40.8 61.2
103 46.2 36.4 54.6



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





#71

Bromoform

Concen: 20.924 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

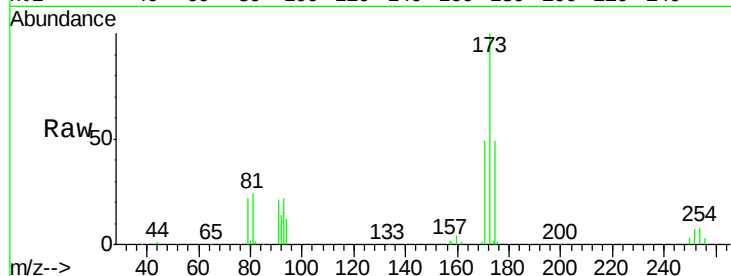
Tot Ion:173 Resp: 141905

Ion Ratio Lower Upper

173 100

175 48.9 22.8 68.3

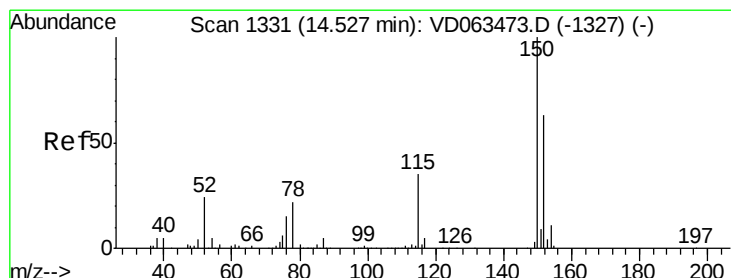
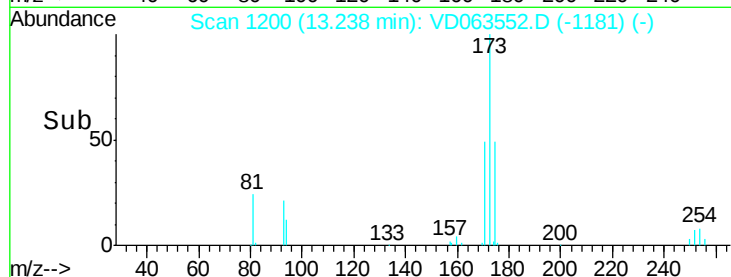
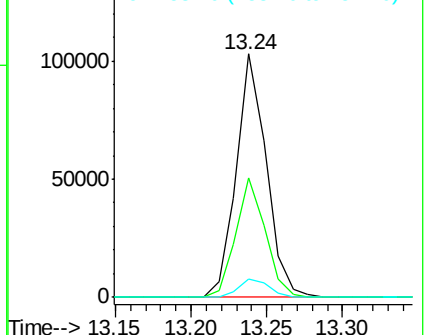
254 7.8 6.6 9.8



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: VD063552.D

Acq: 14 Aug 2019 3:56

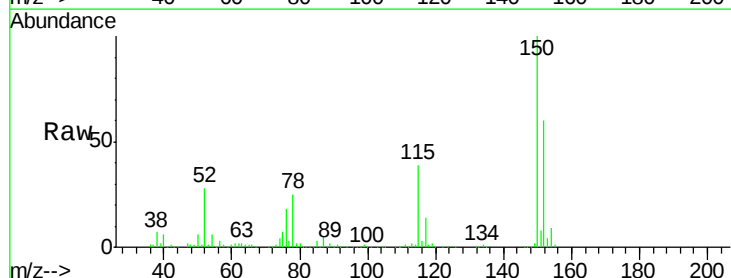
Tgt Ion:152 Resp: 611856

Ion Ratio Lower Upper

152 100

115 64.9 30.9 92.7

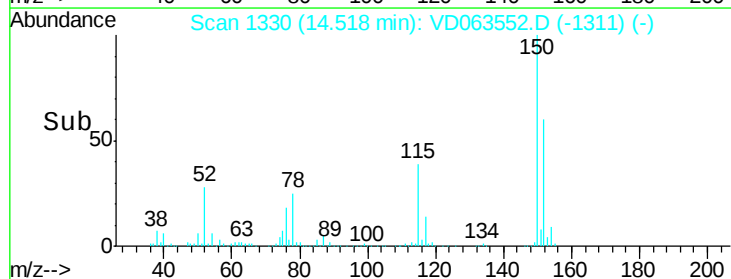
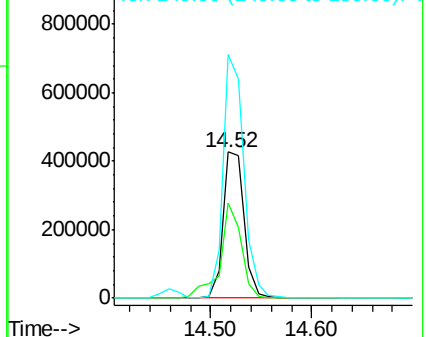
150 166.6 0.0 318.6



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: 20.464 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

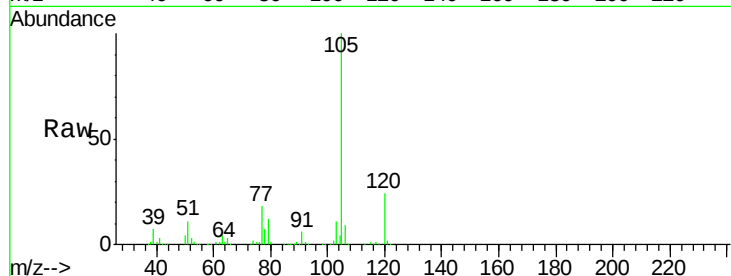
VD0813SBSD02

Tot Ion:105 Resp: 796393

Ion Ratio Lower Upper

105 100

120 23.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

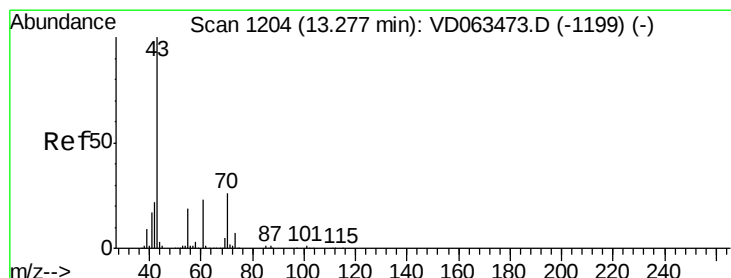
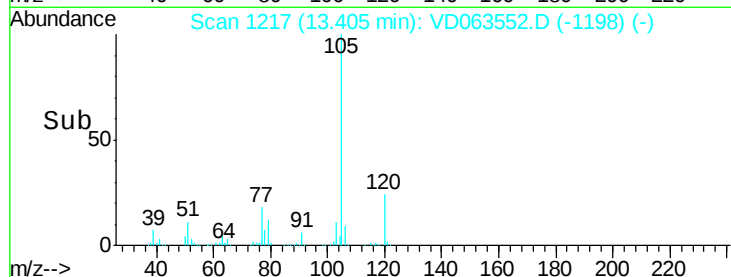
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.103 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion: 43 Resp: 215934

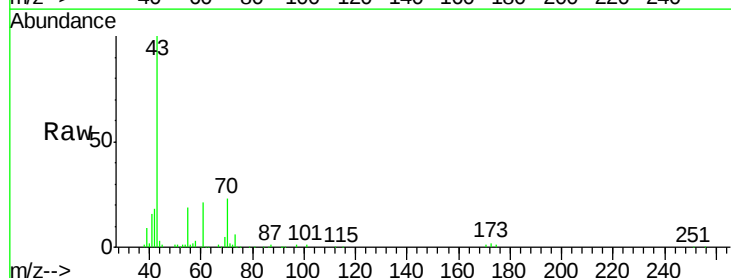
Ion Ratio Lower Upper

43 100

70 23.5 21.1 31.7

55 19.2 15.4 23.0

61 21.0 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

250000

200000

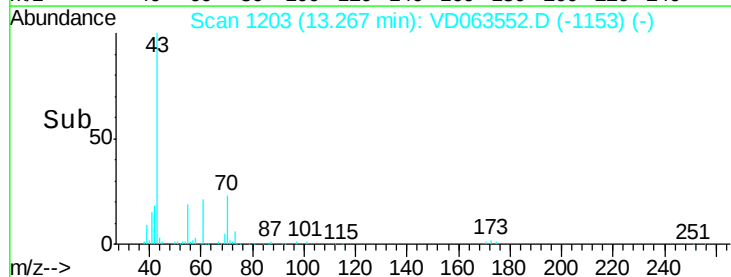
150000

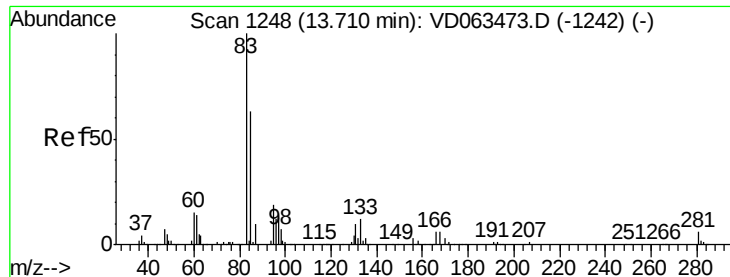
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.682 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

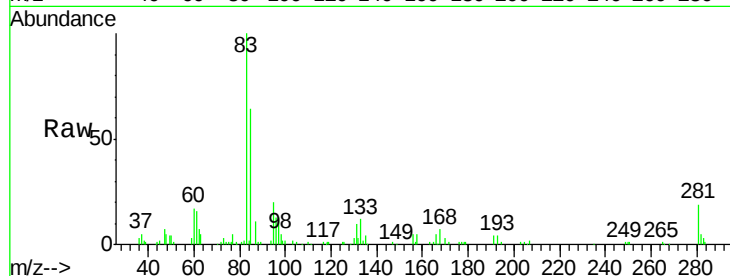
Tot Ion: 83 Resp: 140059

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

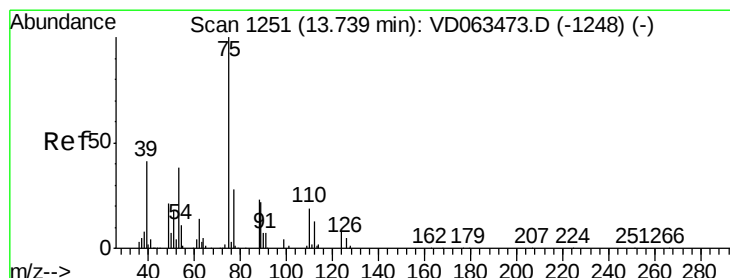
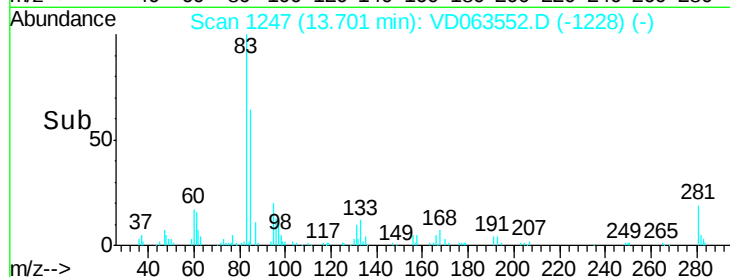
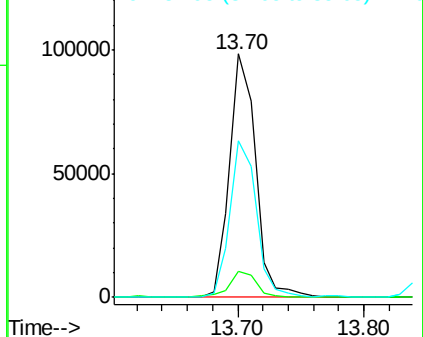
85 64.1 31.4 94.3



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: 20.883 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063552.D

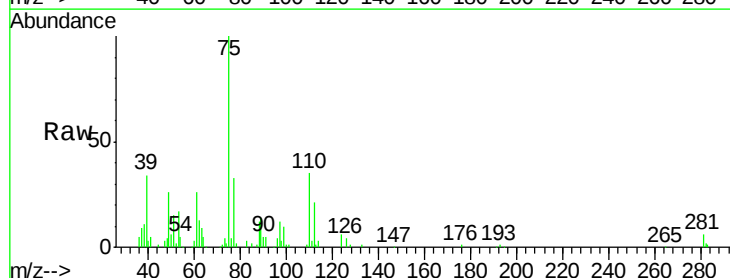
Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 146643

Ion Ratio Lower Upper

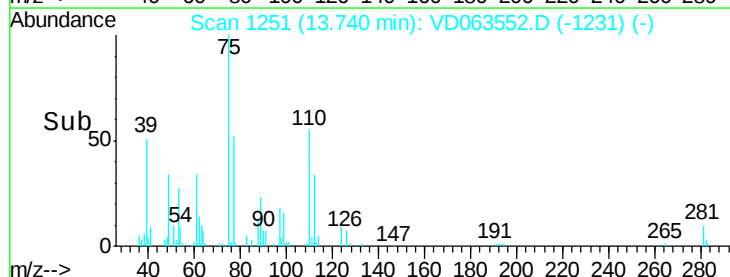
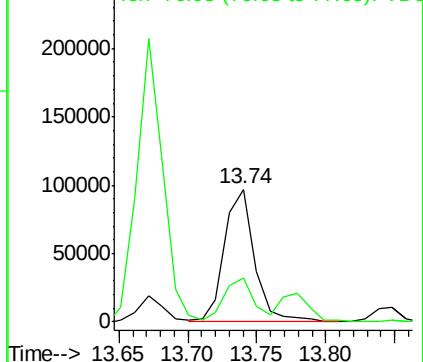
75 100

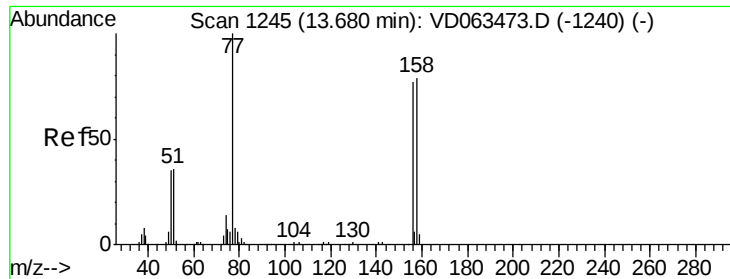
77 33.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

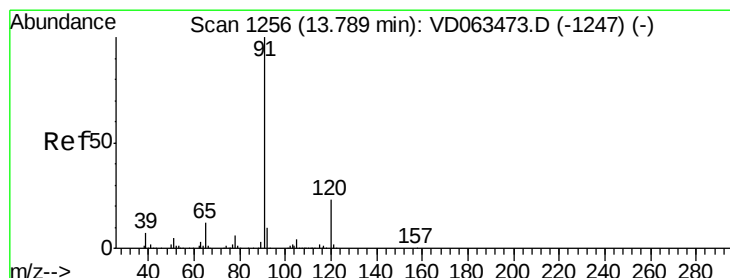
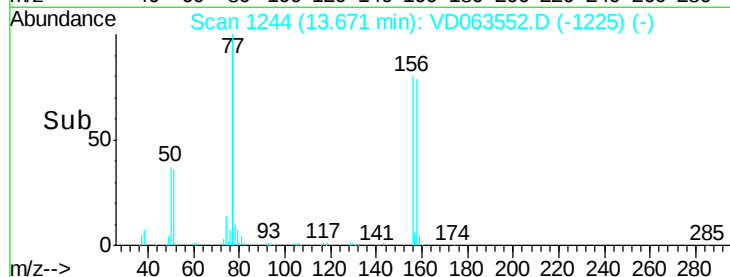
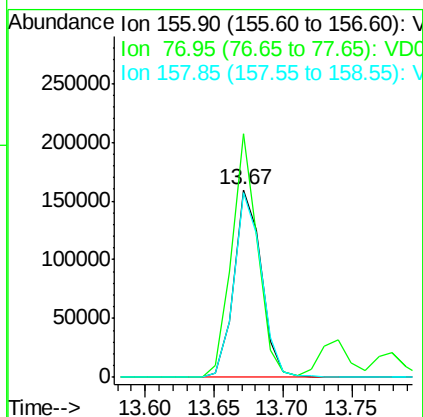
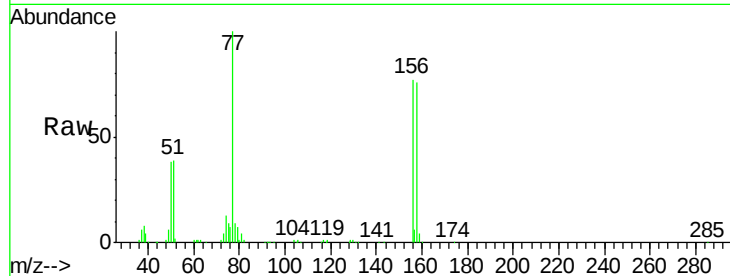




#77
Bromobenzene
Concen: 20.735 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

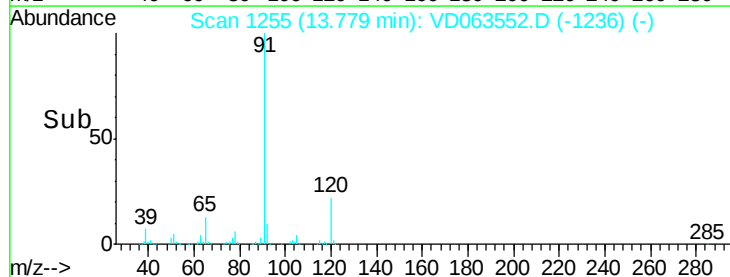
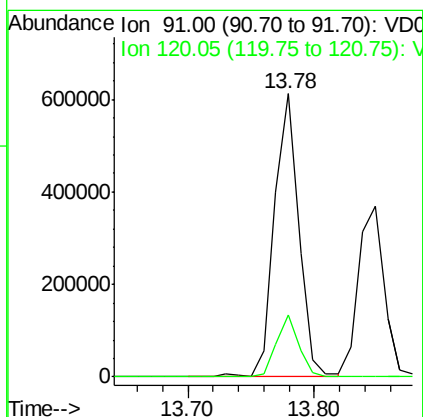
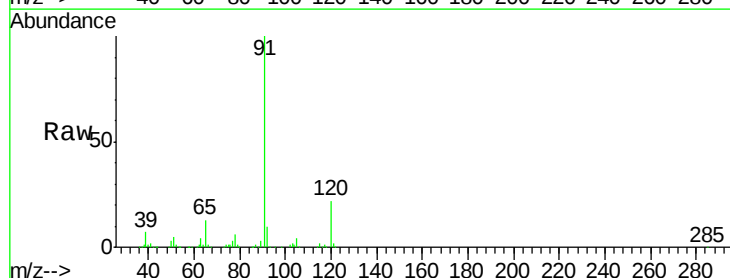
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

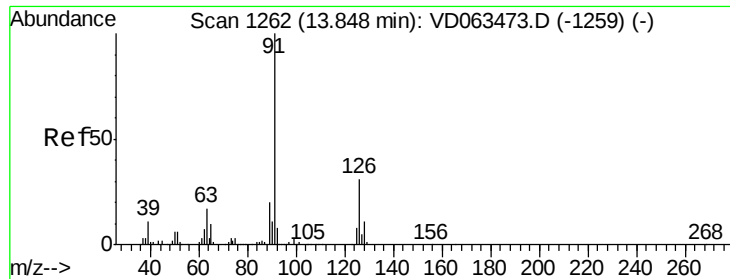
Tot Ion:156 Resp: 220541
Ion Ratio Lower Upper
156 100
77 129.6 64.6 193.8
158 98.7 50.9 152.7



#78
n-propylbenzene
Concen: 18.187 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 91 Resp: 828143
Ion Ratio Lower Upper
91 100
120 22.0 11.3 33.9





#79

2-Chlorotoluene

Concen: 20.004 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

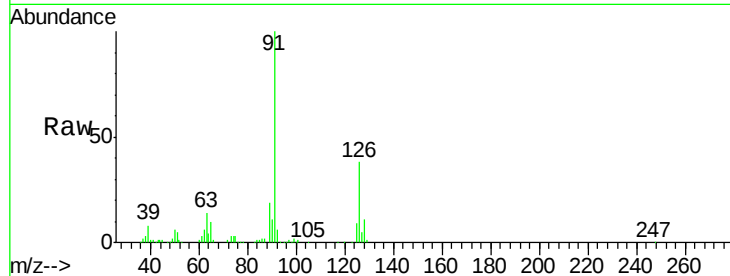
VD0813SBSD02

Tot Ion: 91 Resp: 525202

Ion Ratio Lower Upper

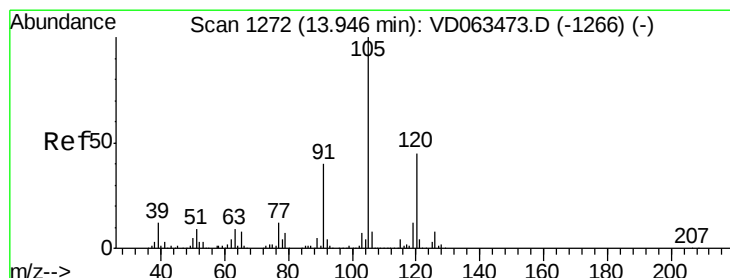
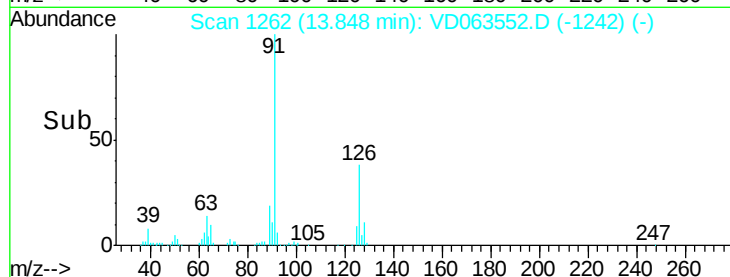
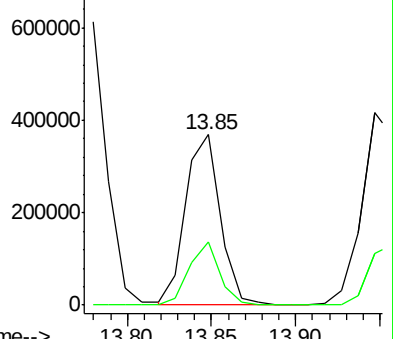
91 100

126 37.5 15.6 46.7



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

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.295 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063552.D

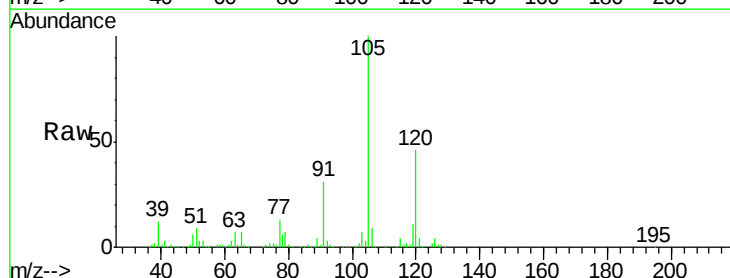
Acq: 14 Aug 2019 3:56

Tgt Ion:105 Resp: 656104

Ion Ratio Lower Upper

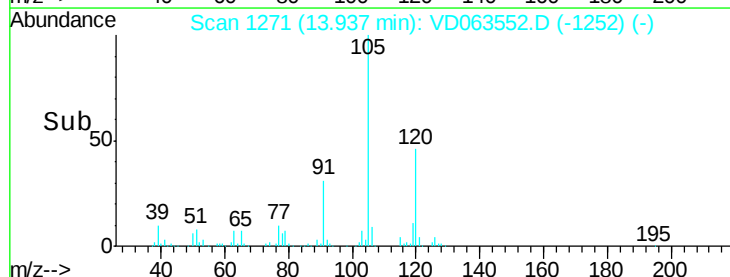
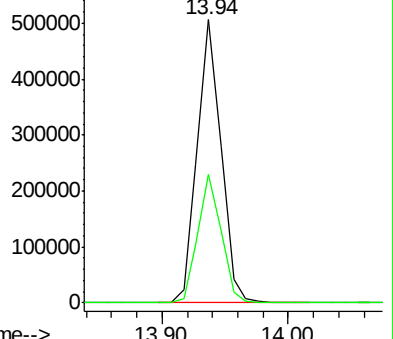
105 100

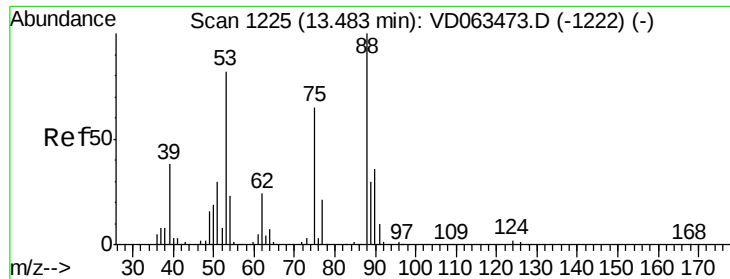
120 45.6 22.8 68.3



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

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

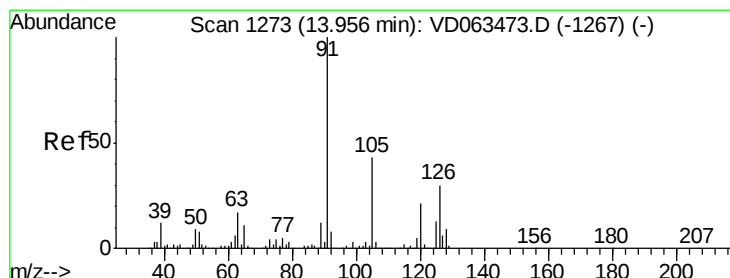
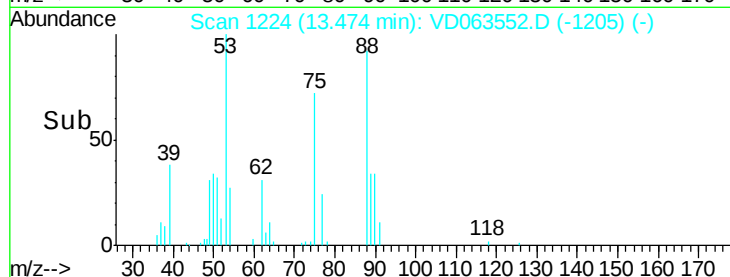
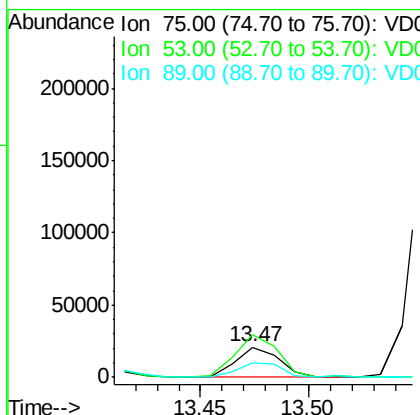
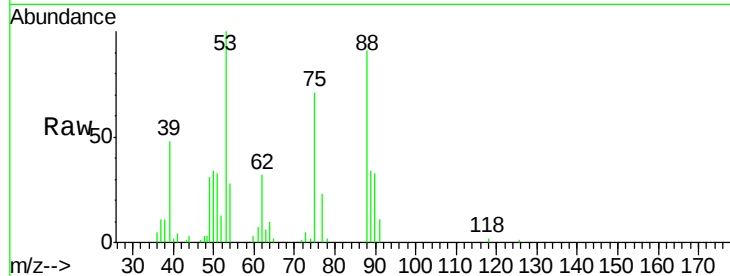




#81
trans-1,4-Dichloro-2-butene
Concen: 15.717 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

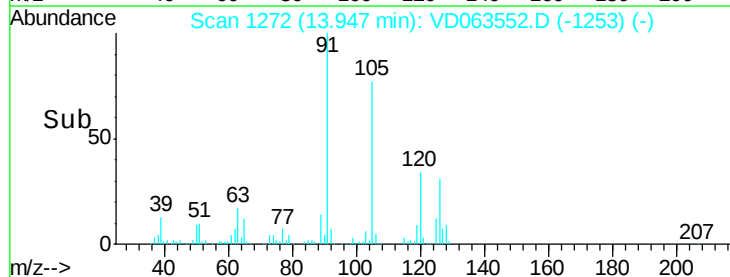
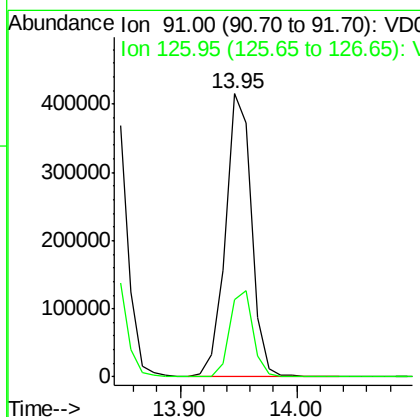
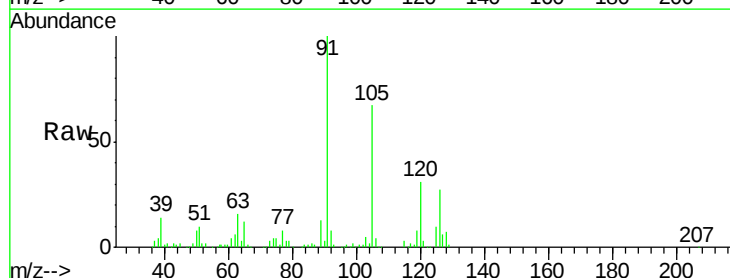
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

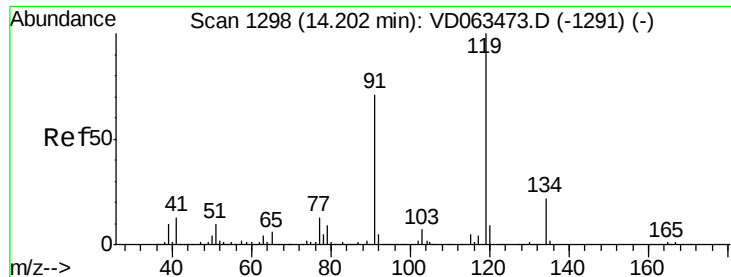
Tot Ion: 75 Resp: 29664
Ion Ratio Lower Upper
75 100
53 140.0 101.0 151.4
89 47.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.209 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 91 Resp: 638009
Ion Ratio Lower Upper
91 100
126 27.3 15.2 45.6

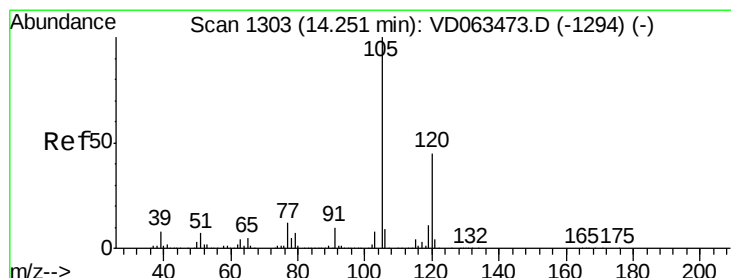
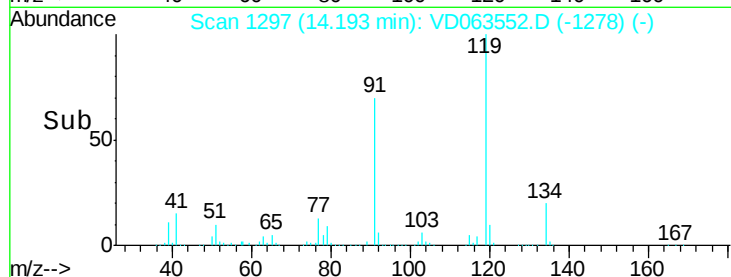
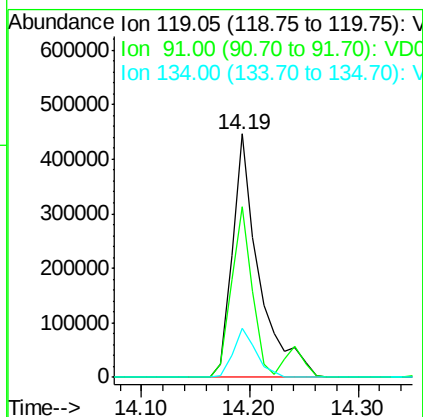
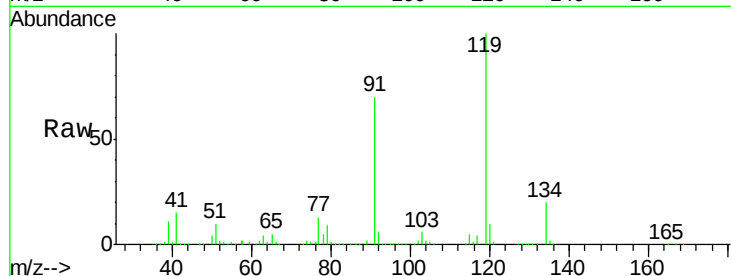




#83
tert-Butylbenzene
Concen: 21.405 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

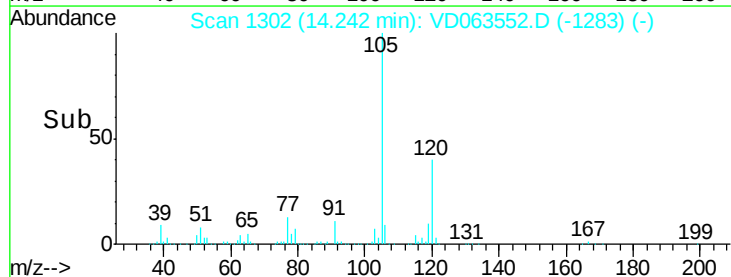
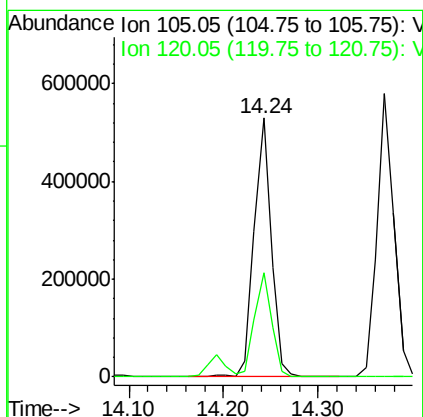
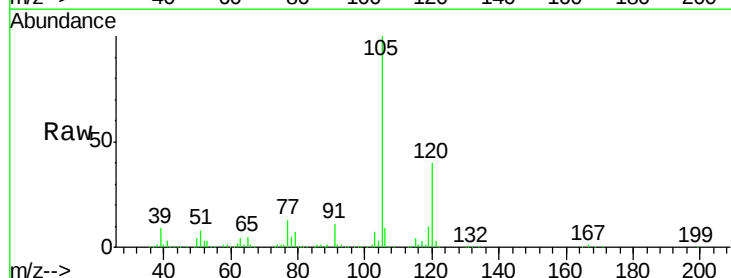
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

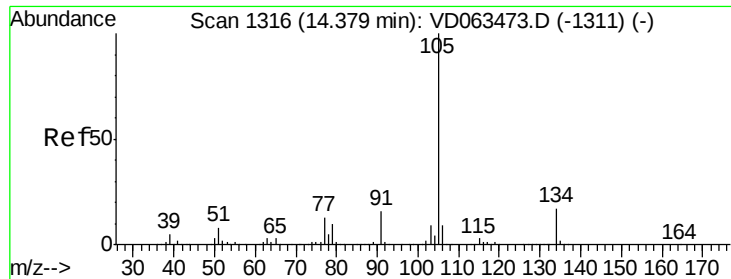
Tot Ion:119 Resp: 766459
Ion Ratio Lower Upper
119 100
91 70.2 35.5 106.7
134 20.2 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 21.226 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:105 Resp: 667814
Ion Ratio Lower Upper
105 100
120 40.4 22.7 68.1

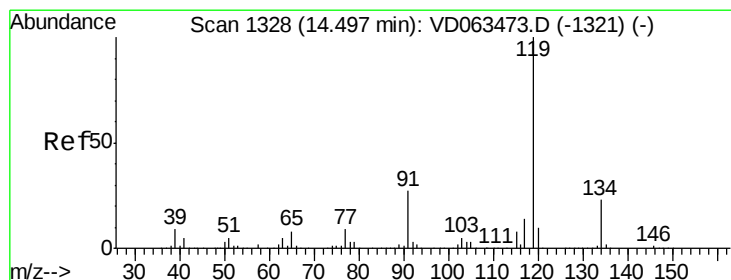
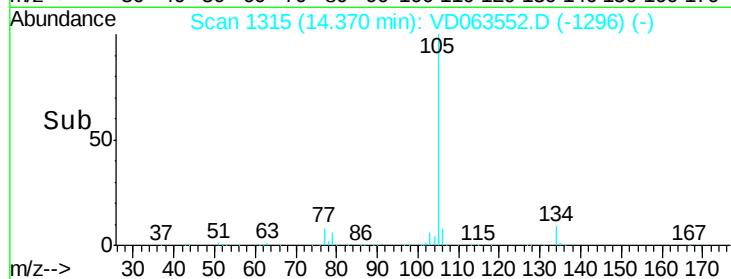
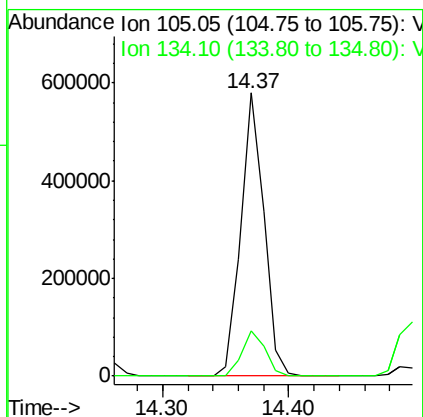
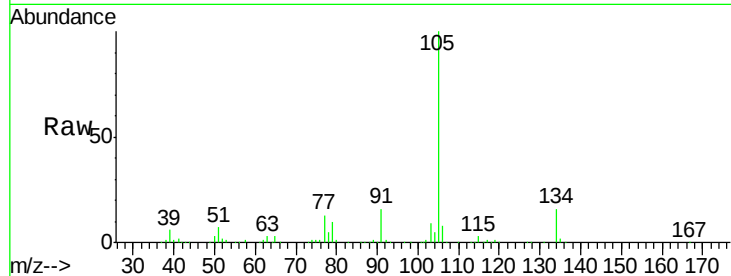




#85
 sec-Butylbenzene
 Concen: 19.186 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

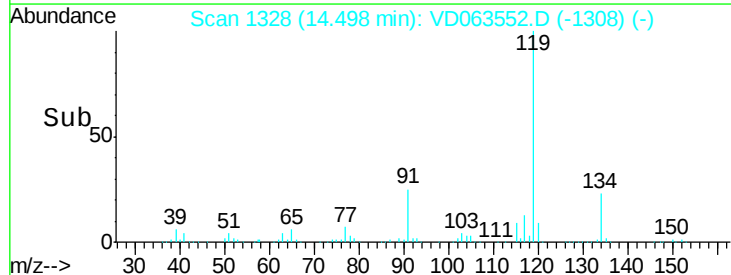
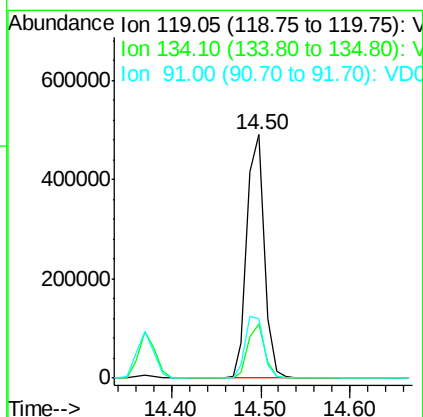
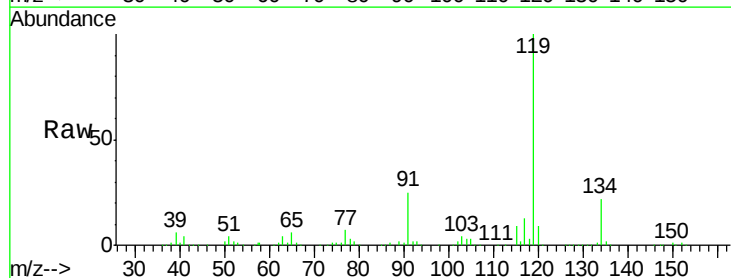
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

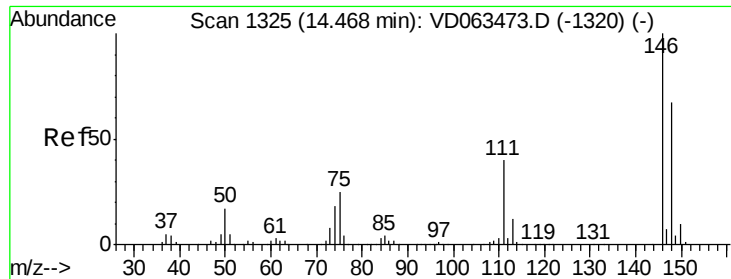
Tot Ion:105 Resp: 729554
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 18.293 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion:119 Resp: 665099
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 24.6 13.5 40.4

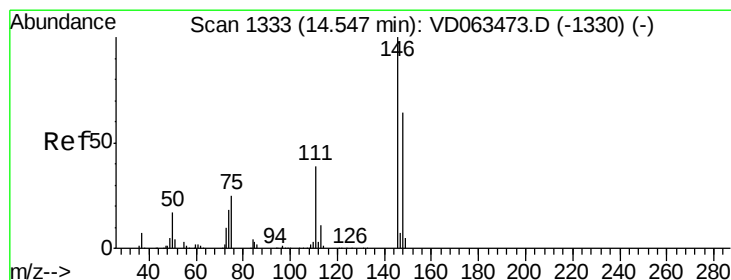
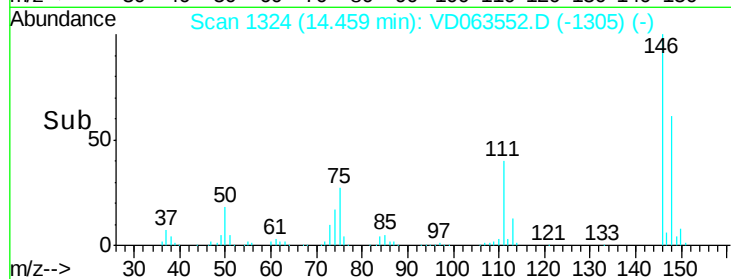
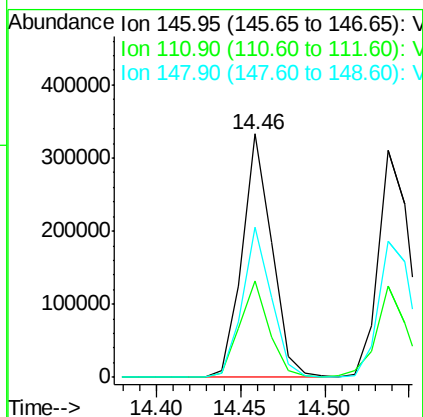
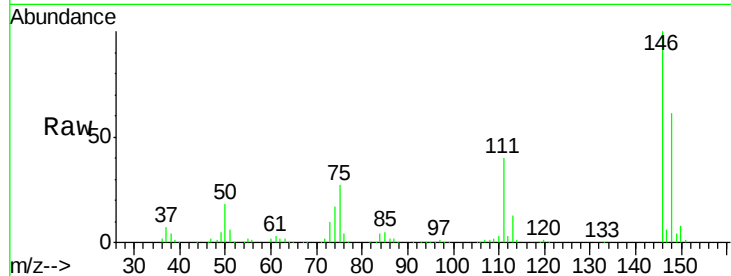




#87
 1,3-Dichlorobenzene
 Concen: 21.116 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

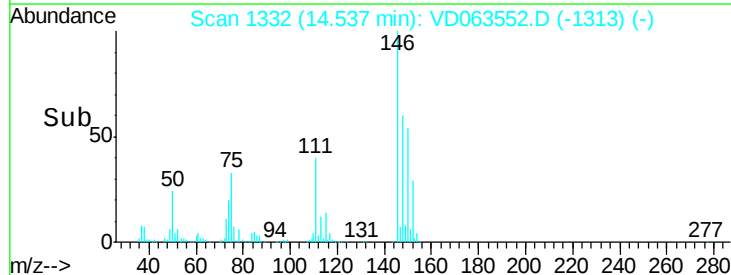
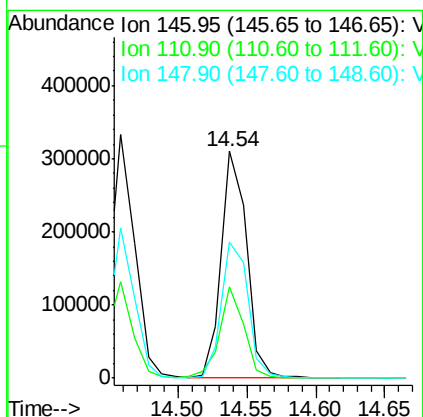
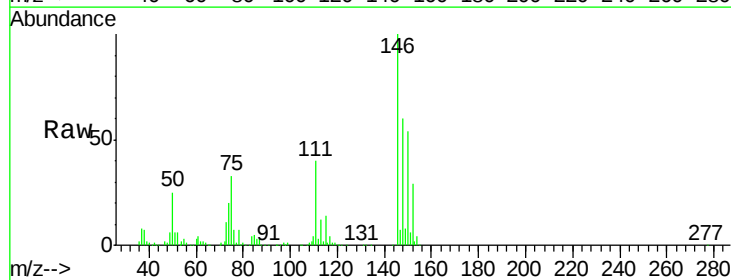
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

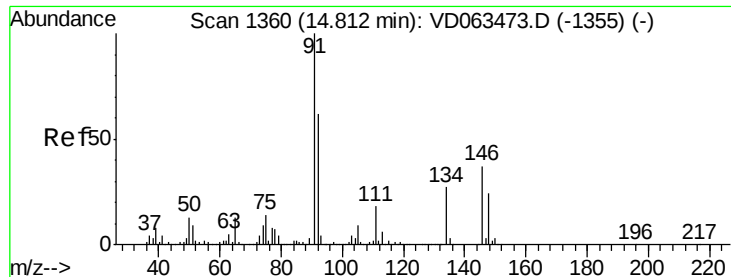
Tot Ion:146 Resp: 406254
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 61.4 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.441 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion:146 Resp: 395761
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.7 59.0
 148 60.1 32.1 96.3





#89

n-Butylbenzene

Concen: 19.739 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD02

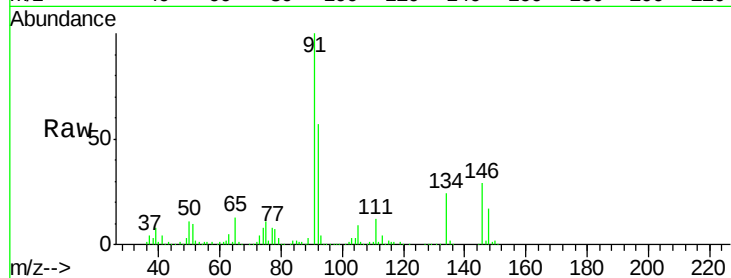
Tot Ion: 91 Resp: 655027

Ion Ratio Lower Upper

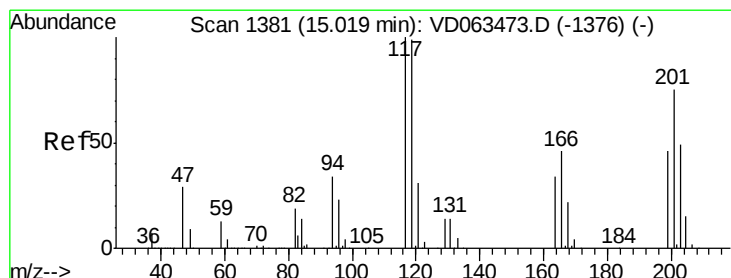
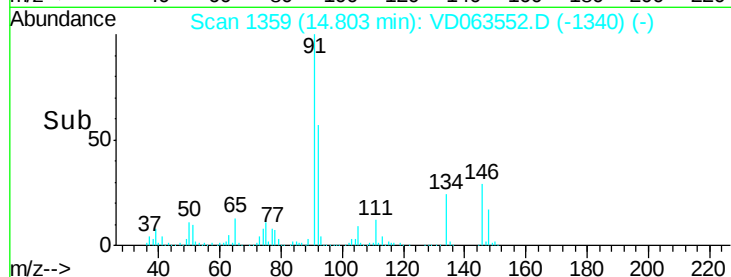
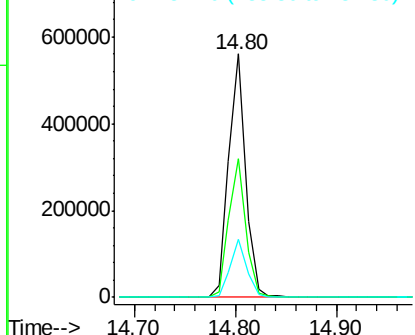
91 100

92 57.1 30.8 92.3

134 23.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.246 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063552.D

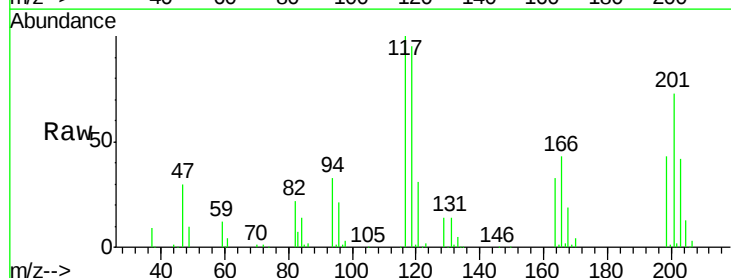
Acq: 14 Aug 2019 3:56

Tgt Ion: 117 Resp: 194158

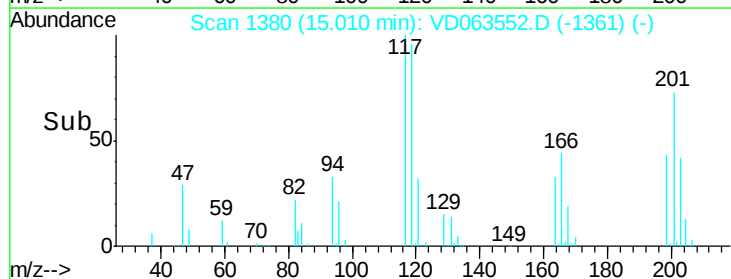
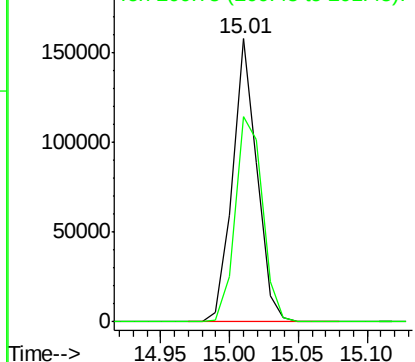
Ion Ratio Lower Upper

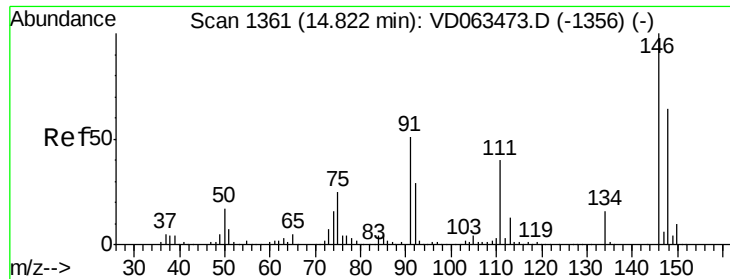
117 100

201 72.6 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

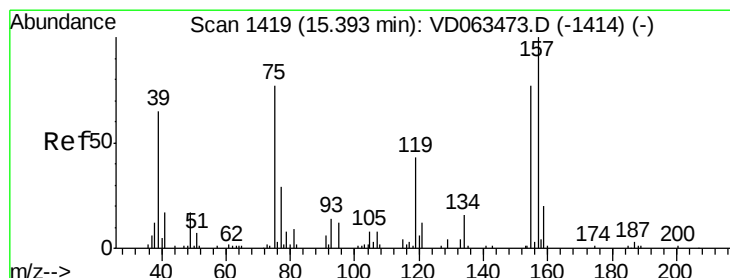
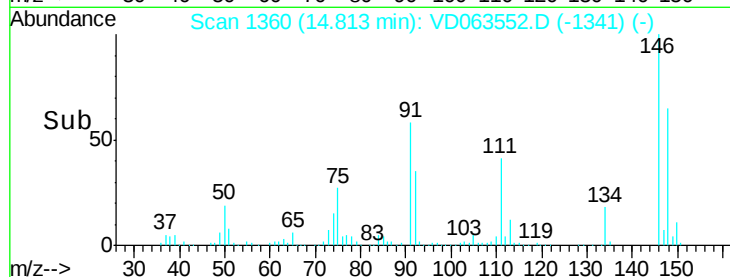
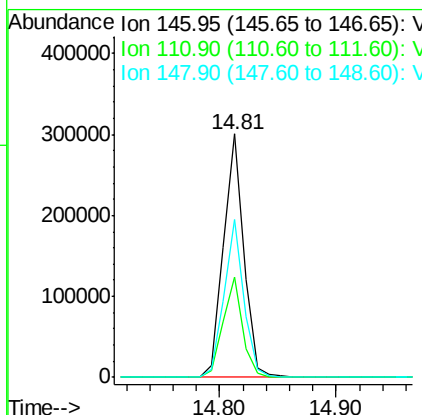
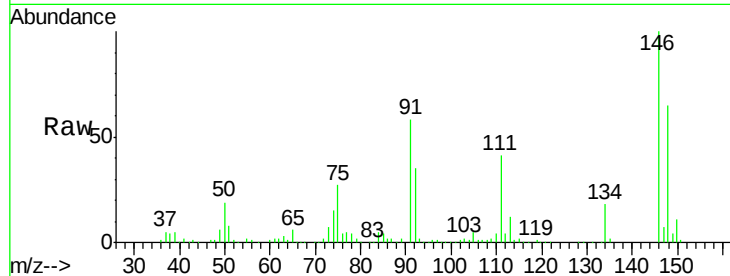




#91
 1,2-Dichlorobenzene
 Concen: 22.243 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

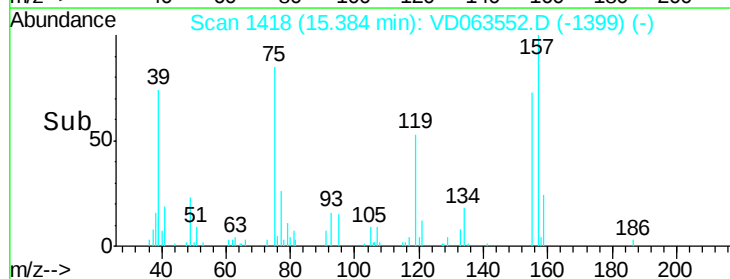
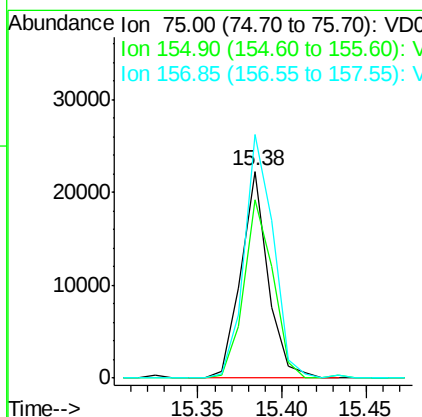
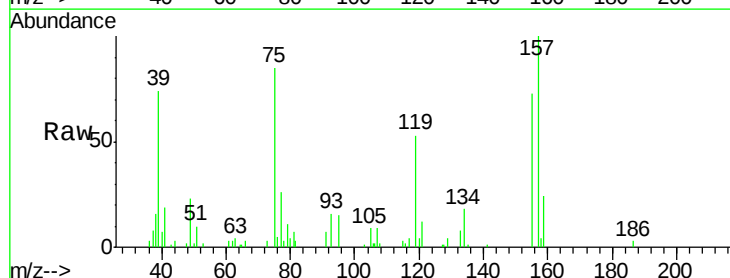
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

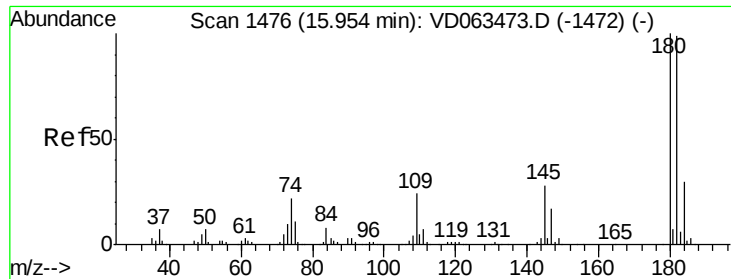
Tot Ion:146 Resp: 363065
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 65.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.487 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 24918
 Ion Ratio Lower Upper
 75 100
 155 86.4 50.1 150.3
 157 117.9 65.0 195.1

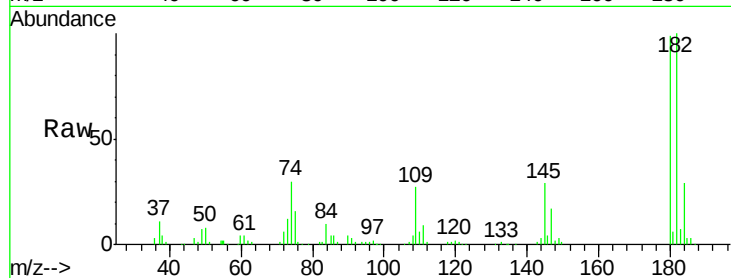




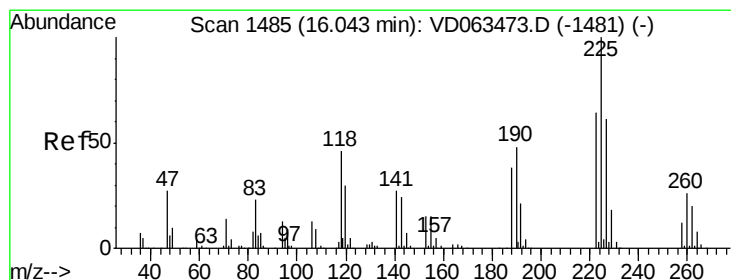
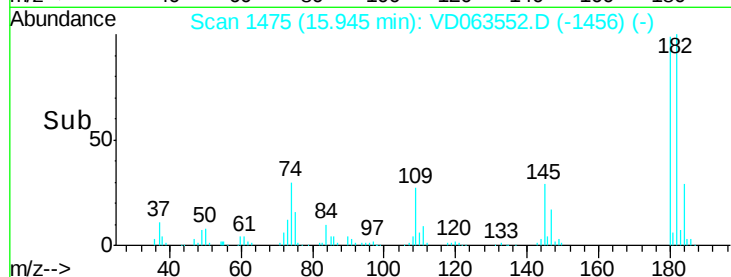
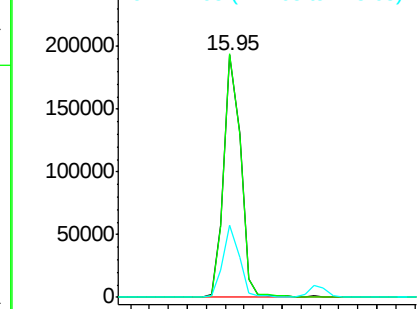
#93
 1,2,4-Trichlorobenzene
 Concen: 20.135 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	49.7	149.1
145	29.6	14.1	42.2

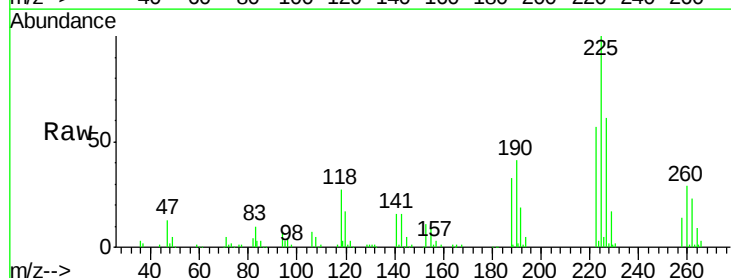


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

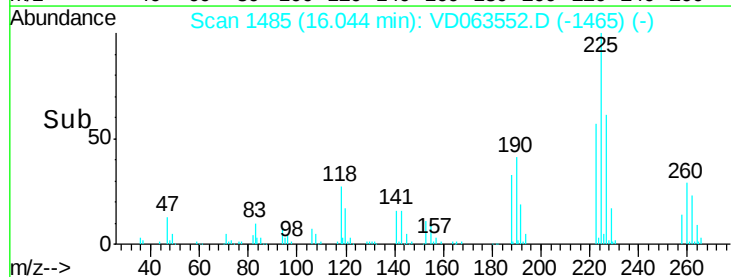
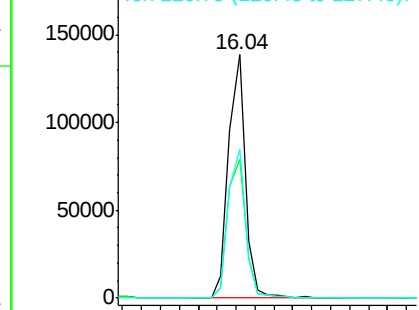


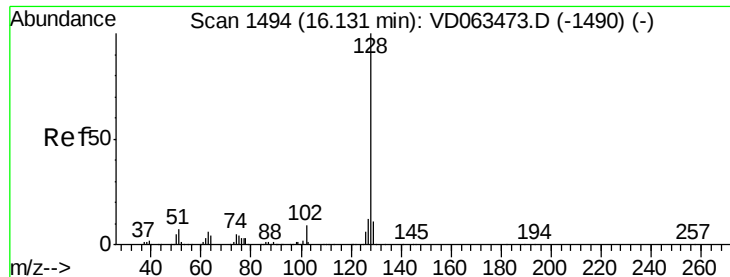
#94
 Hexachlorobutadiene
 Concen: 18.697 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	31.9	95.5
227	61.0	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

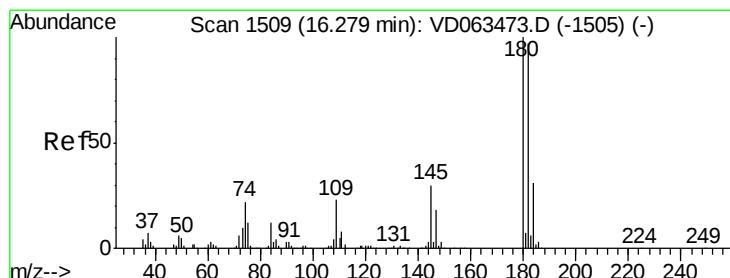
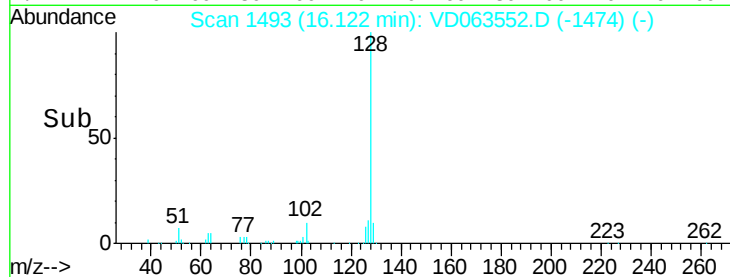
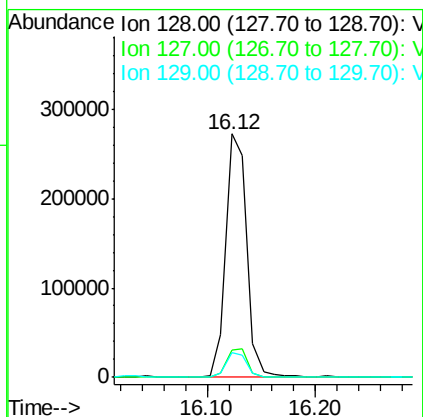
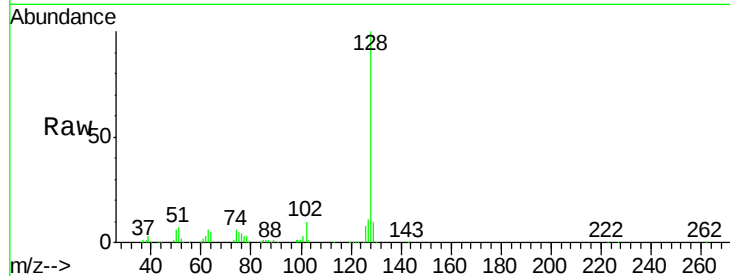




#95
Naphthalene
Concen: 20.267 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD02

Tot Ion:128 Resp: 368909
Ion Ratio Lower Upper
128 100
127 11.4 9.4 14.0
129 10.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.009 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:180 Resp: 194107
Ion Ratio Lower Upper
180 100
182 98.0 48.4 145.2
145 28.7 14.9 44.9

