

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061637.D
 Acq On : 6 Apr 2019 12:07
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 08 07:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	680378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1122875	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	992082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	55276	11.03	ug/l	0.00
Spiked Amount			Recovery	=	22.06%	
35) Dibromofluoromethane	6.92	113	82898	10.88	ug/l	0.00
Spiked Amount			Recovery	=	21.76%	
50) Toluene-d8	10.40	98	208702	11.23	ug/l	0.00
Spiked Amount			Recovery	=	22.46%	
62) 4-Bromofluorobenzene	13.55	95	79922	11.09	ug/l	0.00
Spiked Amount			Recovery	=	22.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	77487	10.854	ug/l	98
3) Chloromethane	1.76	50	64161	11.138	ug/l	96
4) Vinyl Chloride	1.86	62	58840	10.633	ug/l	98
5) Bromomethane	2.16	94	16054	12.947	ug/l	96
6) Chloroethane	2.27	64	20021	11.515	ug/l	97
7) Trichlorofluoromethane	2.54	101	95548	11.732	ug/l	99
8) Diethyl Ether	2.87	74	24629	10.441	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	91455	11.280	ug/l	97
10) Methyl Iodide	3.31	142	87654	8.400	ug/l	96
11) Tert butyl alcohol	4.04	59	18874	54.508	ug/l	95
12) 1,1-Dichloroethene	3.14	96	77640	11.041	ug/l	96
13) Acrolein	3.04	56	22828	54.885	ug/l	99
14) Allyl chloride	3.62	41	98372	10.071	ug/l	96
15) Acrylonitrile	4.19	53	63337	55.512	ug/l	98
16) Acetone	3.22	43	73423	49.088	ug/l	98
17) Carbon Disulfide	3.38	76	245998	10.760	ug/l	100
18) Methyl Acetate	3.64	43	29084	10.004	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	131864	10.944	ug/l	99
20) Methylene Chloride	3.82	84	99956	11.697	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	83497	11.011	ug/l	98
22) Diisopropyl ether	5.12	45	227218	11.342	ug/l	# 98
23) Vinyl Acetate	5.06	43	621011	56.081	ug/l	100
24) 1,1-Dichloroethane	4.98	63	136959	11.094	ug/l	98
25) 2-Butanone	6.06	43	92753	53.061	ug/l	99
26) 2,2-Dichloropropane	6.02	77	111955	11.162	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	90911	11.250	ug/l	96
28) Bromochloromethane	6.44	49	39547	8.970	ug/l	94
29) Tetrahydrofuran	6.46	42	43580	52.057	ug/l	98
30) Chloroform	6.66	83	141974	11.050	ug/l	96
31) Cyclohexane	6.96	56	110103	11.631	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	122167	10.825	ug/l	99
36) 1,1-Dichloropropene	7.14	75	114599	11.415	ug/l	97
37) Ethyl Acetate	6.18	43	41209	9.888	ug/l	99
38) Carbon Tetrachloride	7.11	117	132894	11.460	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	110468	10.555	ug/l	98
40) Benzene	7.45	78	271987	11.197	ug/l	99
41) Methacrylonitrile	6.45	41	48284	10.279	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	77959	10.154	ug/l	95
43) Isopropyl Acetate	9.23	43	62831	10.491	ug/l #	99
44) Trichloroethene	8.53	130	95843	10.357	ug/l	94
45) 1,2-Dichloropropane	8.94	63	65424	10.995	ug/l	97
46) Dibromomethane	9.05	93	45229	10.724	ug/l	94
47) Bromodichloromethane	9.37	83	102641	10.887	ug/l	98
48) Methyl methacrylate	9.11	41	33874	10.229	ug/l	96
49) 1,4-Dioxane	9.07	88	7447	203.165	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	193389	54.837	ug/l	99
52) Toluene	10.50	92	152731	10.150	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	84048	10.095	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	105713	10.307	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	56569	11.402	ug/l	92
56) Ethyl methacrylate	11.03	69	59723	11.079	ug/l	93
57) 1,3-Dichloropropane	11.41	76	80309	10.721	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	134547	55.093	ug/l	92
59) 2-Hexanone	11.53	43	142669	53.606	ug/l	98
60) Dibromochloromethane	11.68	129	84764	10.734	ug/l	97
61) 1,2-Dibromoethane	11.80	107	63395	10.828	ug/l	99
64) Tetrachloroethene	11.25	164	78484	10.367	ug/l	98
65) Chlorobenzene	12.39	112	211210	10.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	82634	10.624	ug/l	97
67) Ethyl Benzene	12.52	91	344479	11.057	ug/l	99
68) m/p-Xylenes	12.67	106	243702	21.177	ug/l	96
69) o-Xylene	13.04	106	119218	10.712	ug/l	98
70) Styrene	13.07	104	211933	11.120	ug/l	97
71) Bromoform	13.23	173	45608	9.826	ug/l	100
73) Isopropylbenzene	13.40	105	322854	10.877	ug/l	98
74) N-amyl acetate	13.26	43	79933	9.964	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	63642	10.723	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	61861	10.453	ug/l	98
77) Bromobenzene	13.66	156	91074	10.473	ug/l	95
78) n-propylbenzene	13.77	91	385307	11.036	ug/l	98
79) 2-Chlorotoluene	13.84	91	211945	10.616	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	269396	11.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	18675	10.196	ug/l	89
82) 4-Chlorotoluene	13.95	91	259895	11.914	ug/l	100
83) tert-Butylbenzene	14.18	119	306113	10.984	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	272806	11.396	ug/l	99
85) sec-Butylbenzene	14.36	105	323439	10.866	ug/l	99
86) p-Isopropyltoluene	14.49	119	299962	10.923	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	149234	10.077	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	161259	10.993	ug/l	98
89) n-Butylbenzene	14.79	91	268543	11.391	ug/l	98
90) Hexachloroethane	15.00	117	73108	10.313	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	138290	11.387	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	6863	9.242	ug/l	95

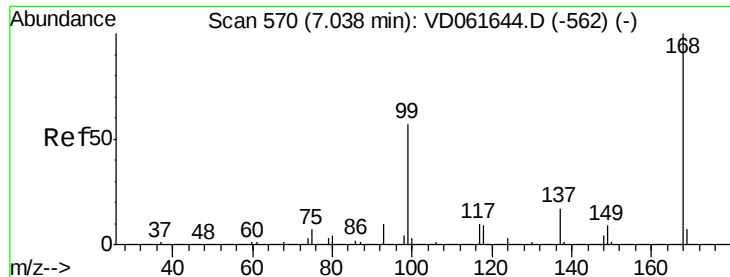
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	62444	10.164	ug/l	96
94) Hexachlorobutadiene	16.03	225	47757	10.102	ug/l	96
95) Naphthalene	16.12	128	92298	9.525	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	30066	9.883	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

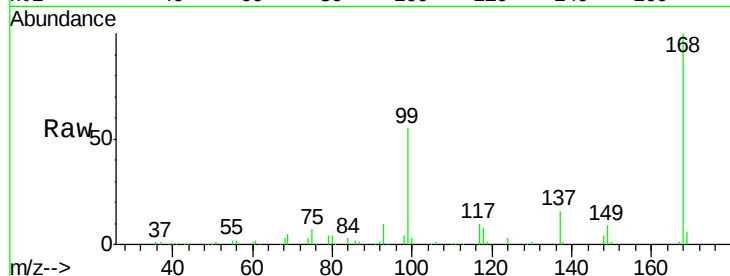
VSTDIC010

Tot Ion:168 Resp: 680378

Ion Ratio Lower Upper

168 100

99 55.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

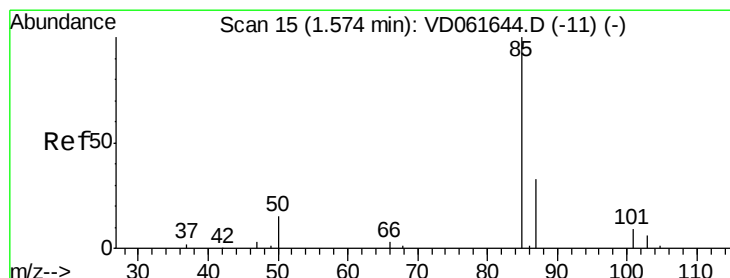
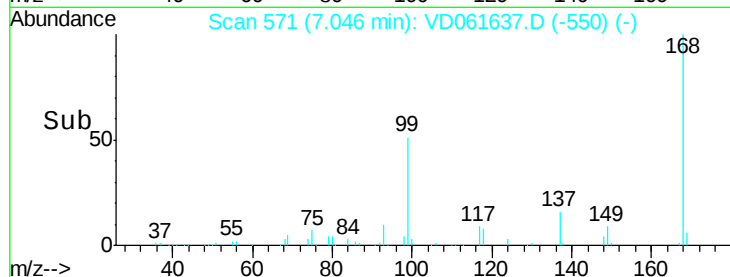
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 10.854 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061637.D

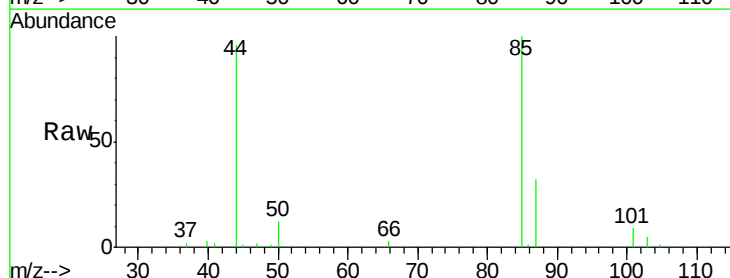
Acq: 6 Apr 2019 12:07

Tgt Ion: 85 Resp: 77487

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

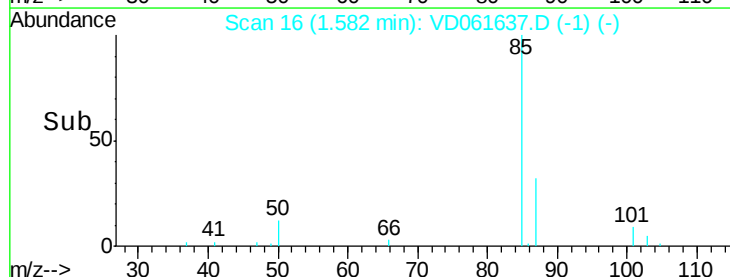
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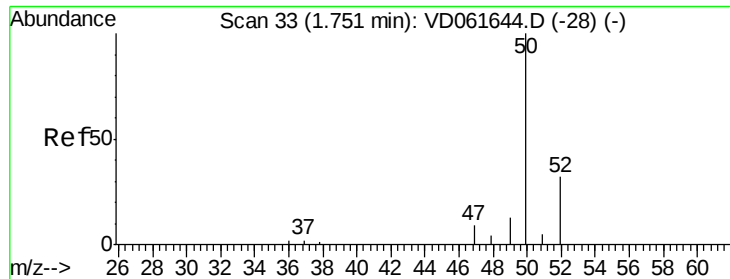
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 11.138 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

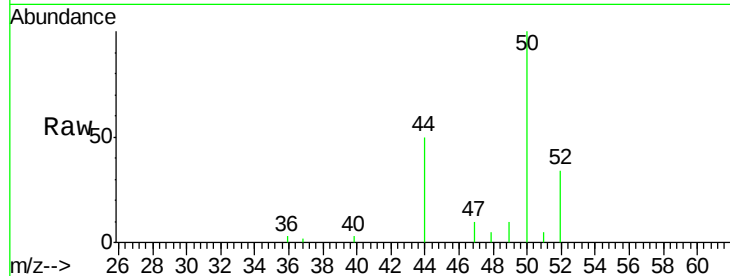
VSTDIC010

Tot Ion: 50 Resp: 64161

Ion Ratio Lower Upper

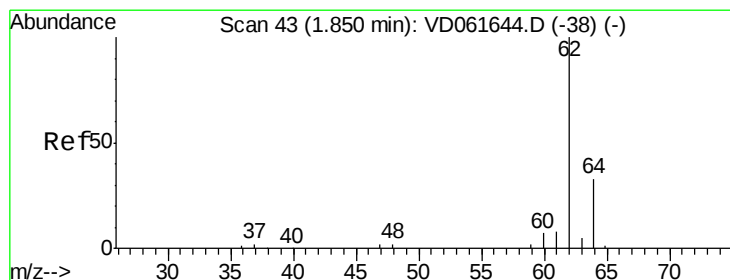
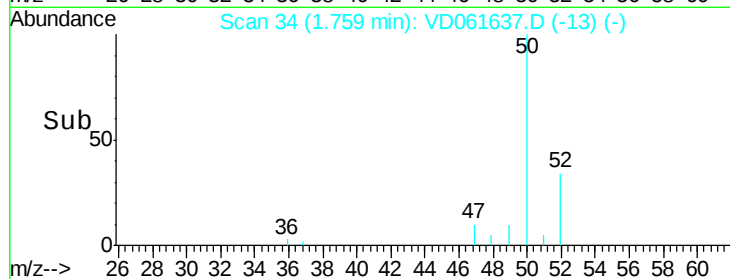
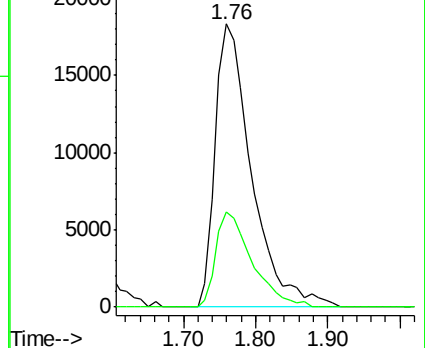
50 100

52 33.6 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.633 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061637.D

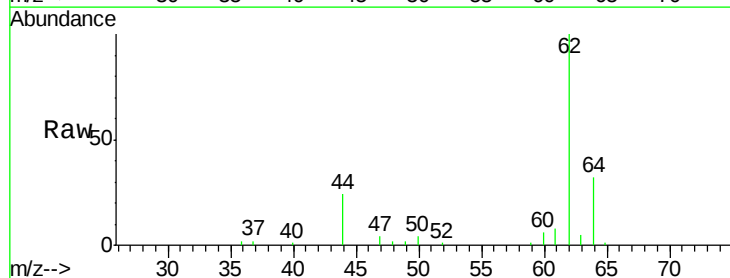
Acq: 6 Apr 2019 12:07

Tgt Ion: 62 Resp: 58840

Ion Ratio Lower Upper

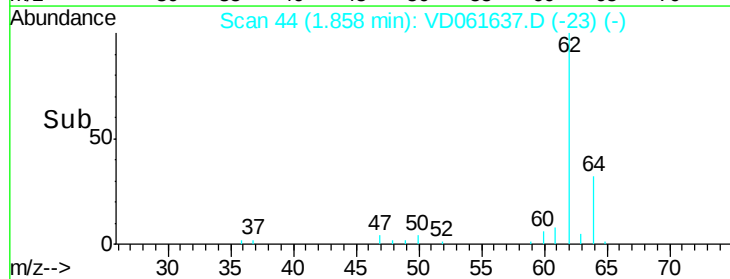
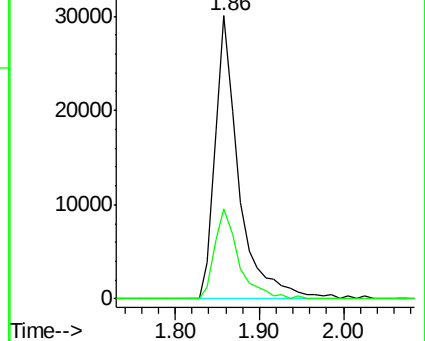
62 100

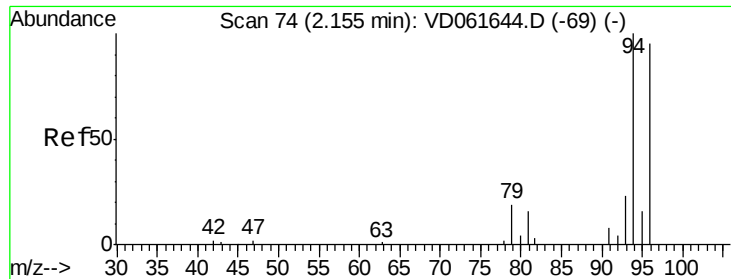
64 31.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

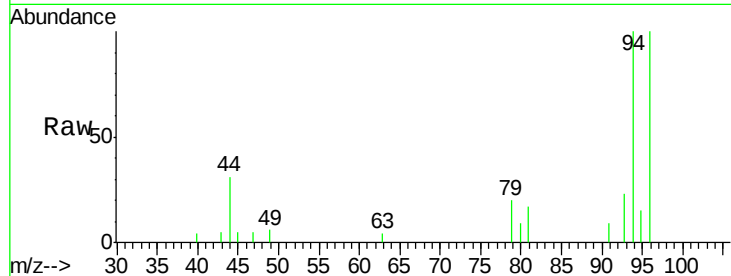




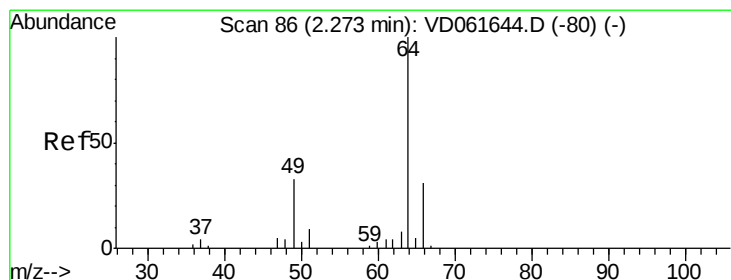
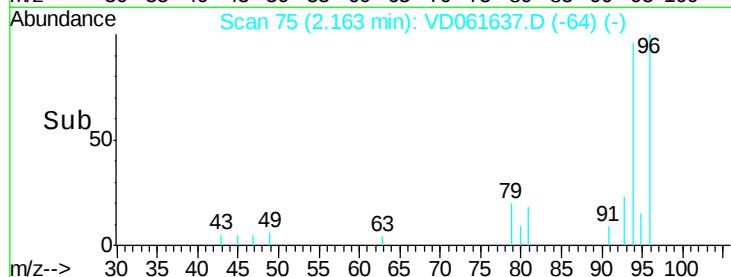
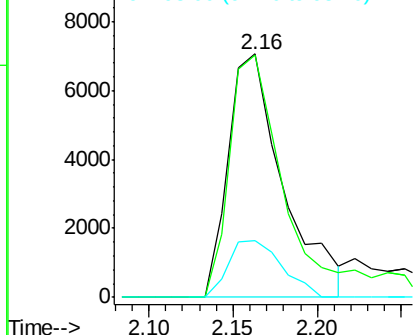
#5
Bromomethane
Concen: 12.947 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 94 Resp: 16054
Ion Ratio Lower Upper
94 100
96 99.7 75.8 113.8
93 23.1 18.6 28.0

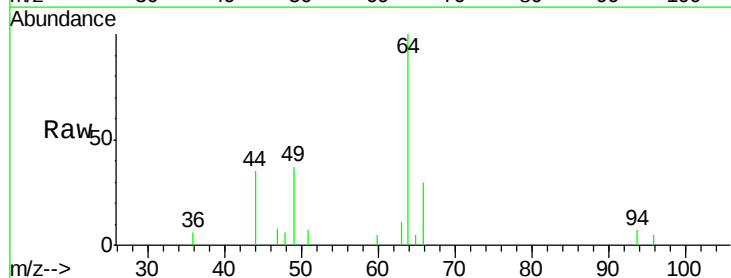


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

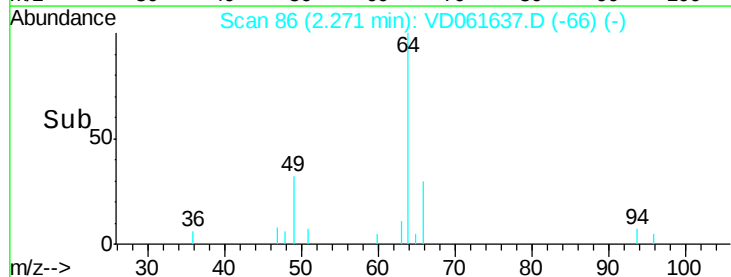
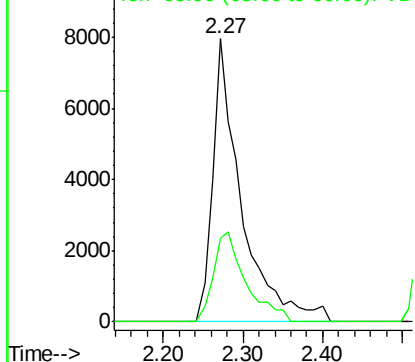


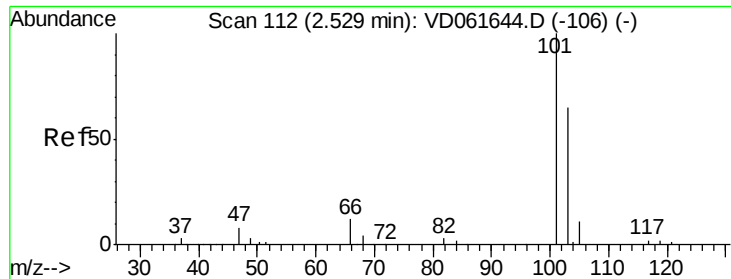
#6
Chloroethane
Concen: 11.515 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 64 Resp: 20021
Ion Ratio Lower Upper
64 100
66 29.7 24.9 37.3



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



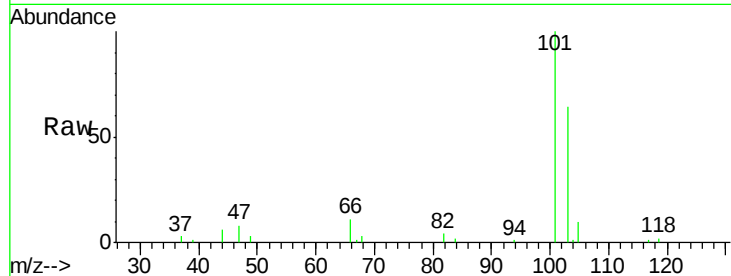


#7

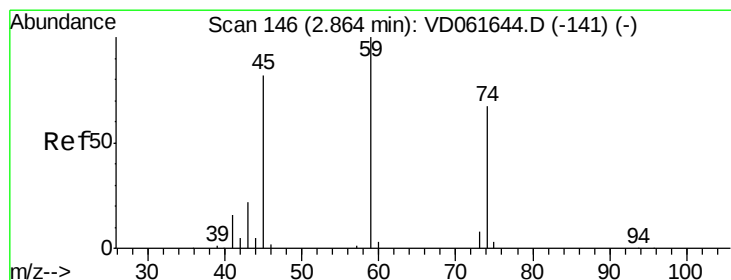
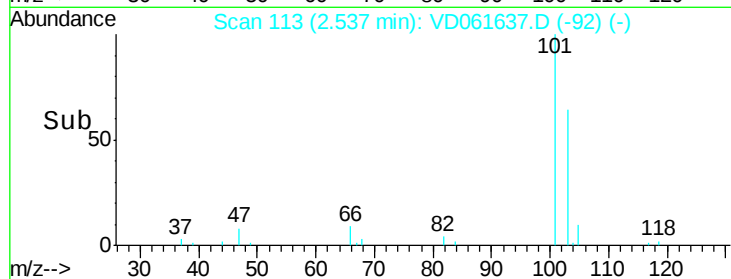
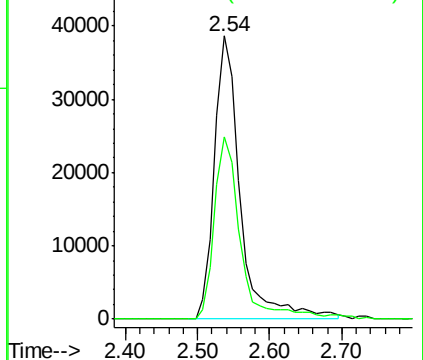
Trichlorofluoromethane
 Concen: 11.732 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Instrument :
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 VSTDIC010

Tot Ion:101 Resp: 95548
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.0 78.0



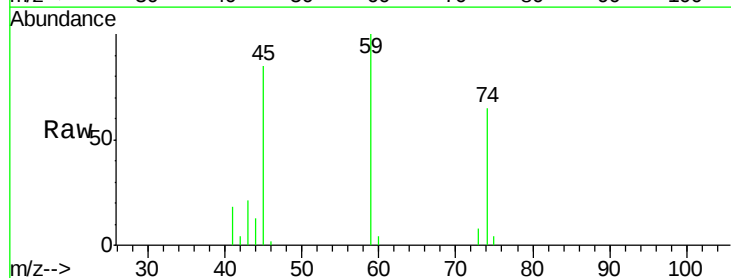
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



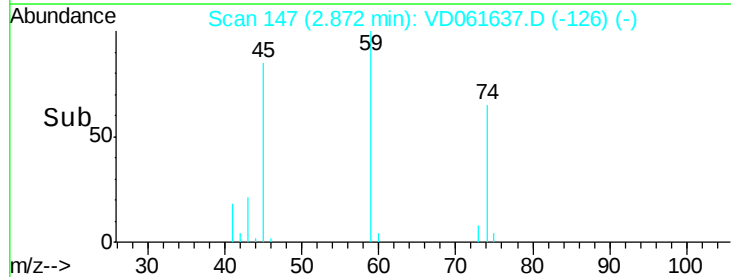
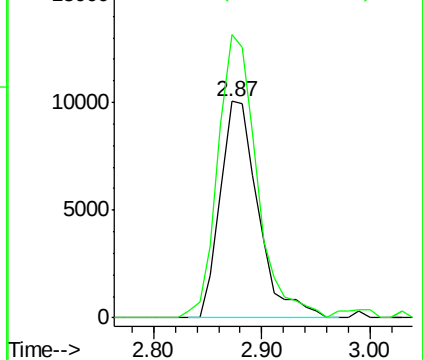
#8

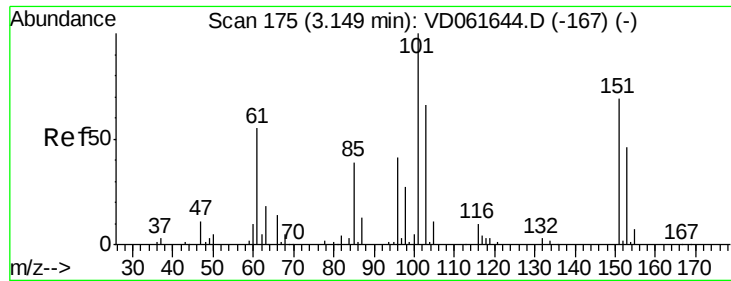
Diethyl Ether
 Concen: 10.441 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 74 Resp: 24629
 Ion Ratio Lower Upper
 74 100
 45 130.6 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.280 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

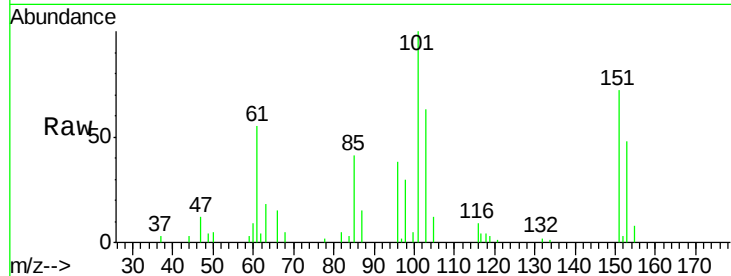
Tot Ion:101 Resp: 91455

Ion Ratio Lower Upper

101 100

85 40.8 31.0 46.6

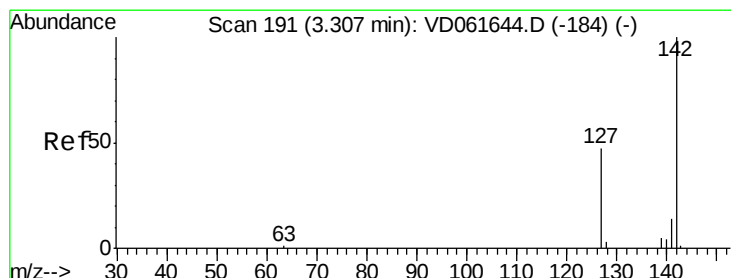
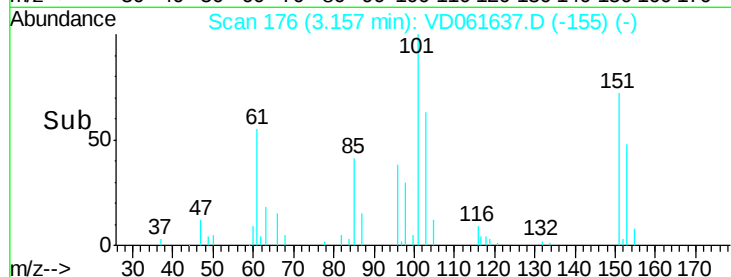
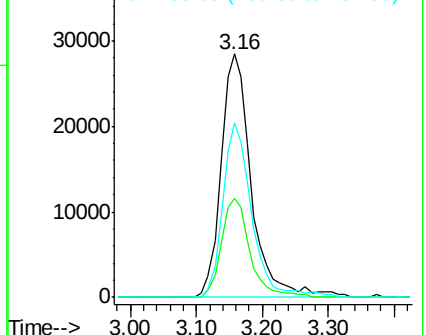
151 71.6 55.3 82.9



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: 8.400 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

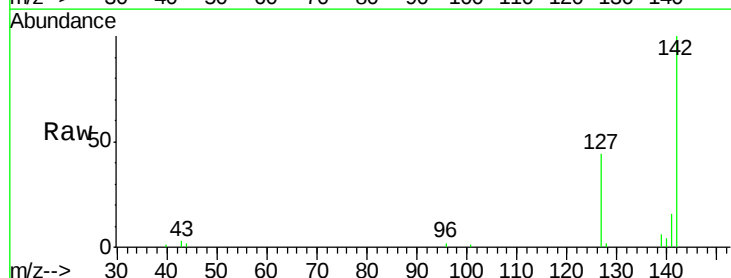
Tgt Ion:142 Resp: 87654

Ion Ratio Lower Upper

142 100

127 44.0 37.2 55.8

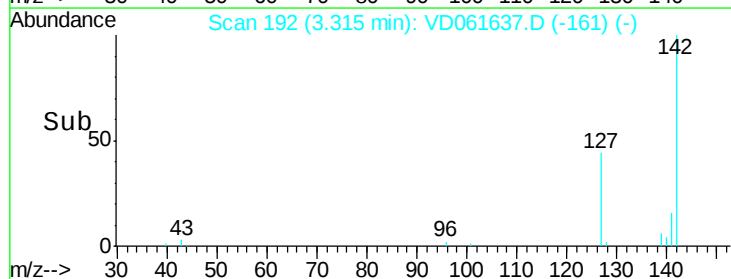
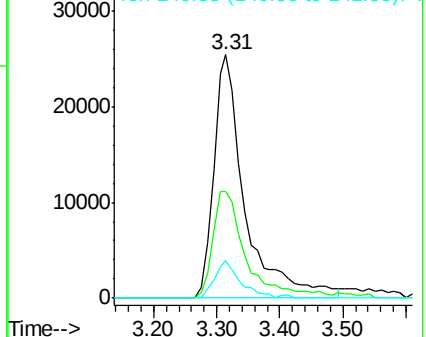
141 15.6 10.8 16.2

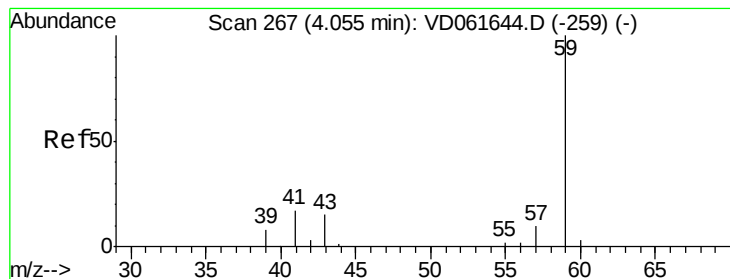


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



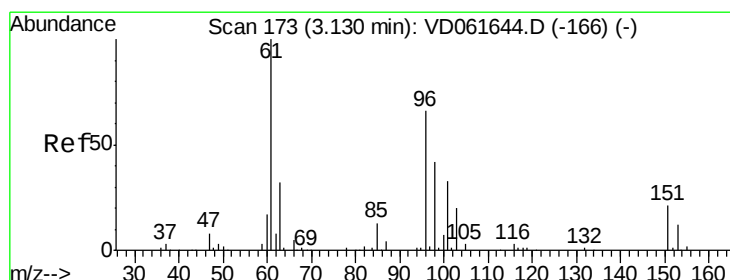
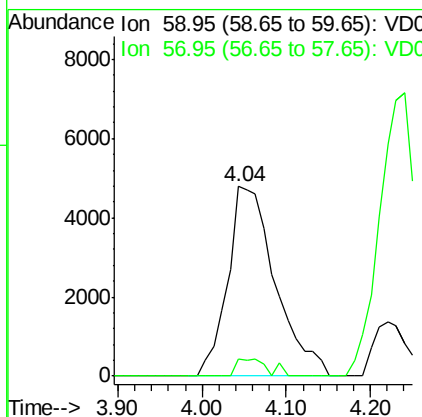
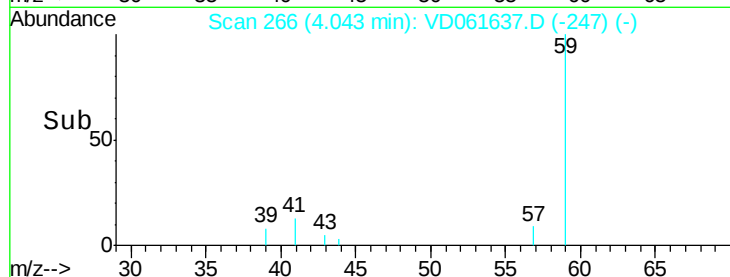
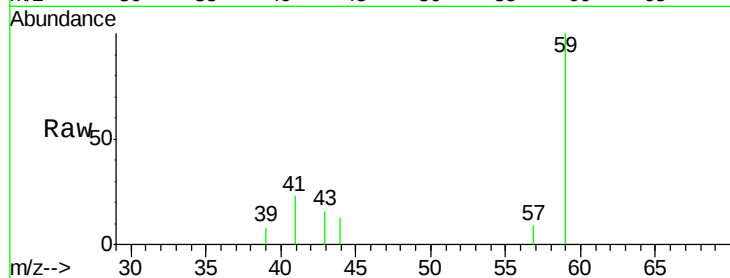


#11

Tert butyl alcohol
 Concen: 54.508 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

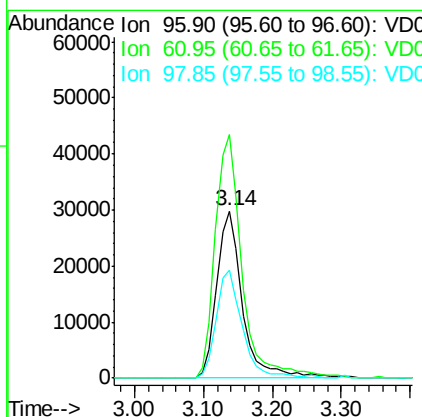
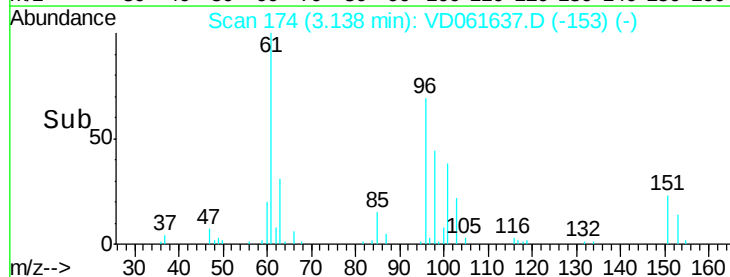
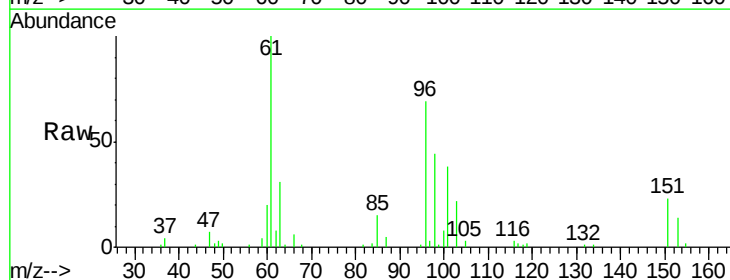
Tot Ion: 59 Resp: 18874
 Ion Ratio Lower Upper
 59 100
 57 8.7 8.4 12.6

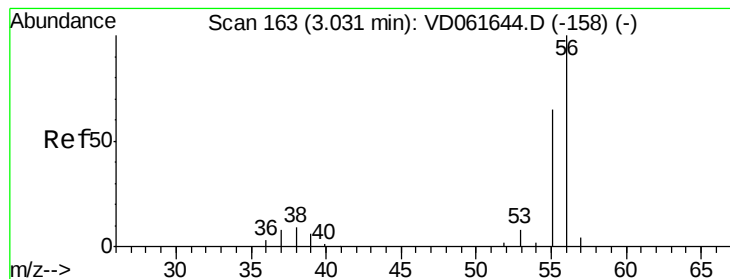


#12

1,1-Dichloroethene
 Concen: 11.041 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 96 Resp: 77640
 Ion Ratio Lower Upper
 96 100
 61 145.9 121.3 181.9
 98 64.6 50.6 76.0





#13

Acrolein

Concen: 54.885 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

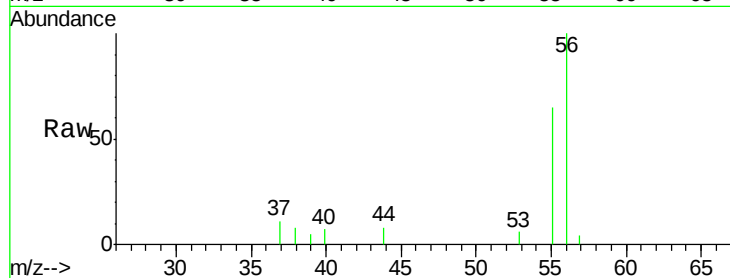
VSTDIC010

Tot Ion: 56 Resp: 22828

Ion Ratio Lower Upper

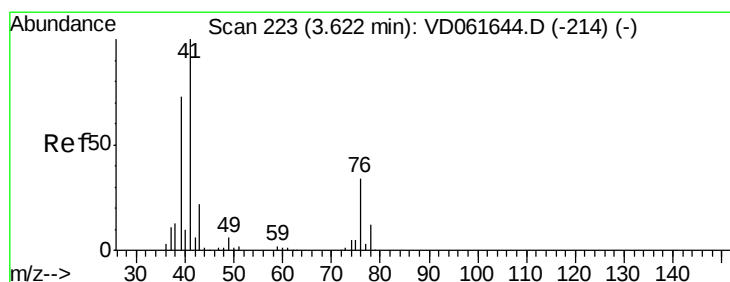
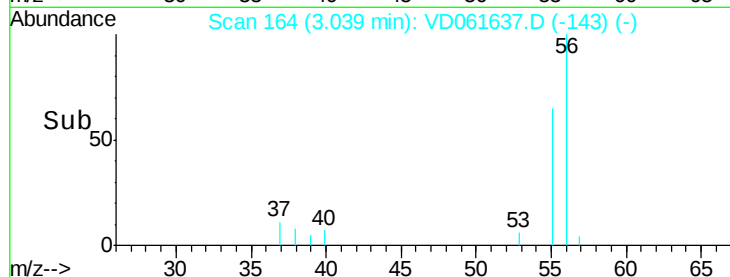
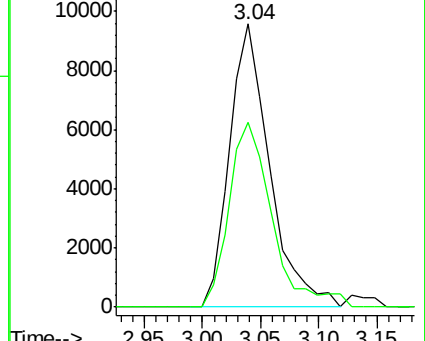
56 100

55 65.4 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.071 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

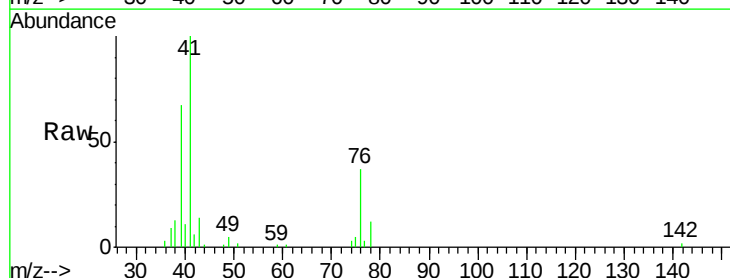
Tgt Ion: 41 Resp: 98372

Ion Ratio Lower Upper

41 100

39 67.5 58.2 87.4

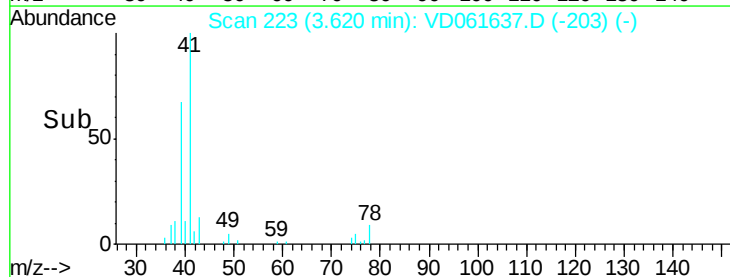
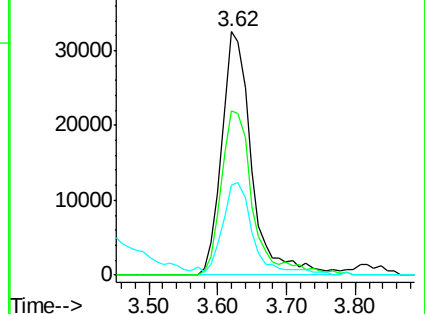
76 36.8 29.8 44.6

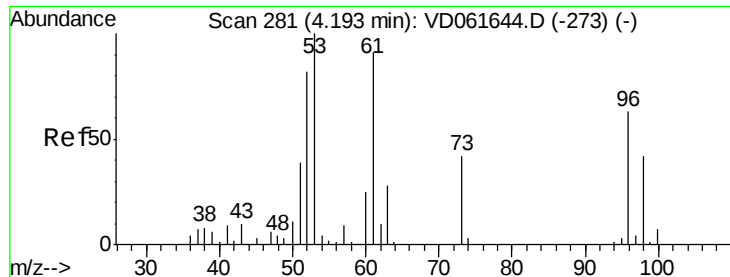


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 55.512 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

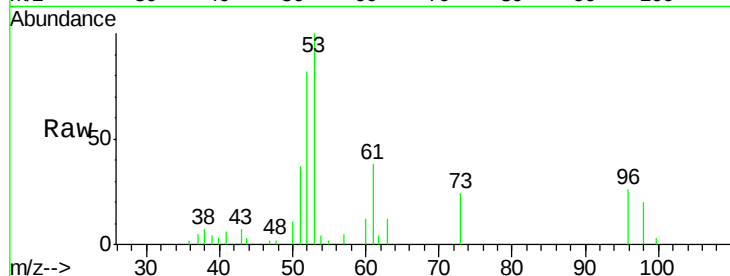
Tot Ion: 53 Resp: 63337

Ion Ratio Lower Upper

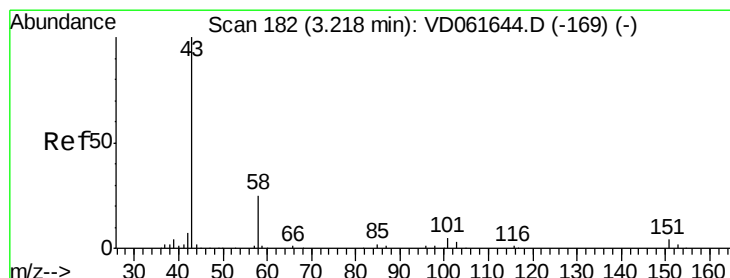
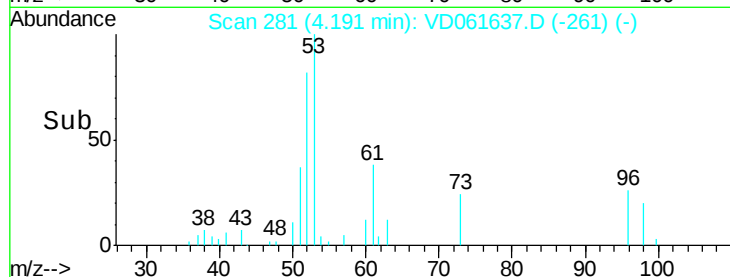
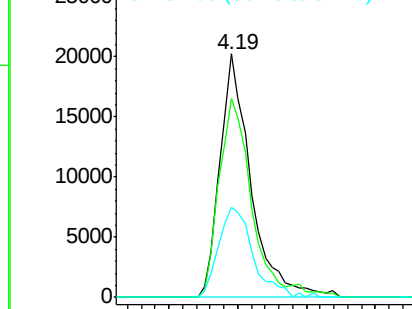
53 100

52 81.5 65.9 98.9

51 36.9 31.4 47.2



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: 49.088 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061637.D

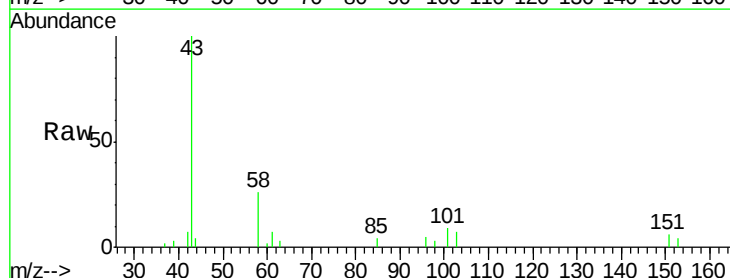
Acq: 6 Apr 2019 12:07

Tgt Ion: 43 Resp: 73423

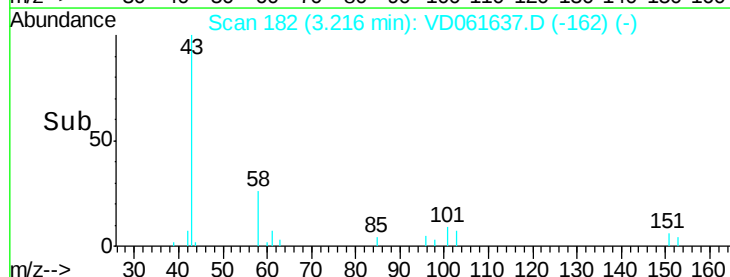
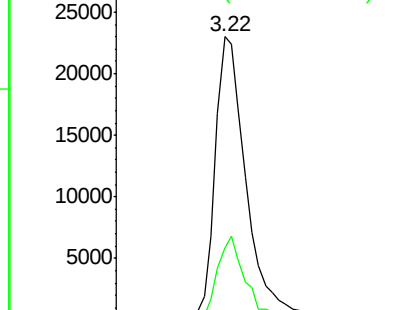
Ion Ratio Lower Upper

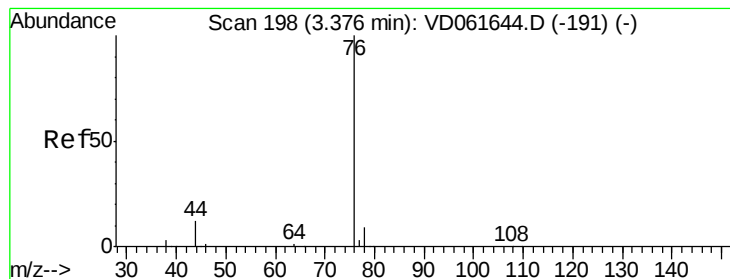
43 100

58 25.5 19.7 29.5



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





#17

Carbon Disulfide

Concen: 10.760 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

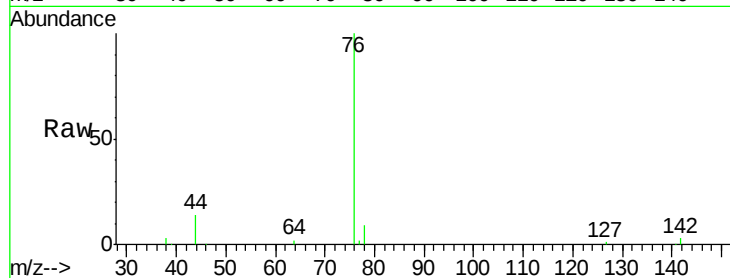
VSTDIC010

Tot Ion: 76 Resp: 245998

Ion Ratio Lower Upper

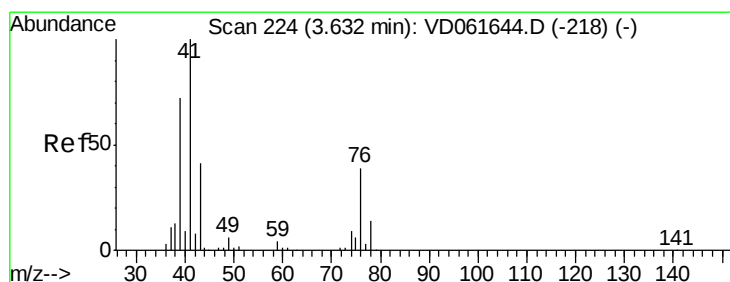
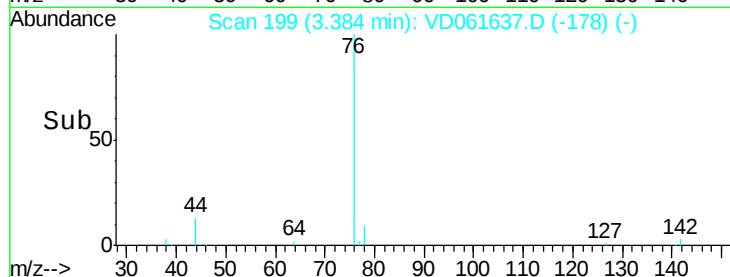
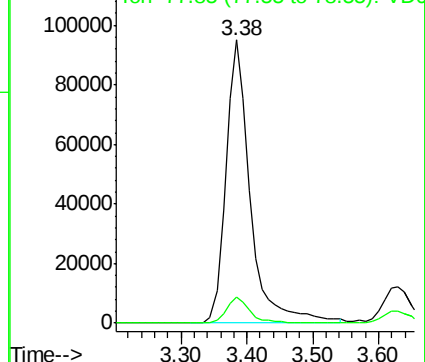
76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 10.004 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061637.D

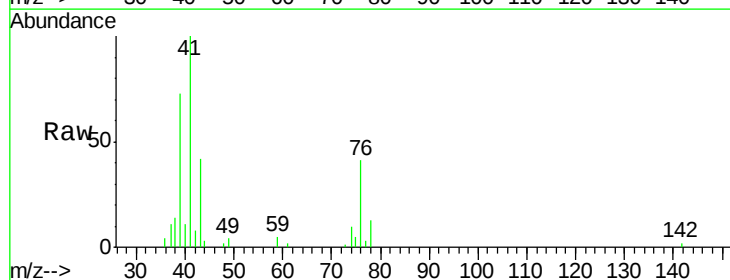
Acq: 6 Apr 2019 12:07

Tgt Ion: 43 Resp: 29084

Ion Ratio Lower Upper

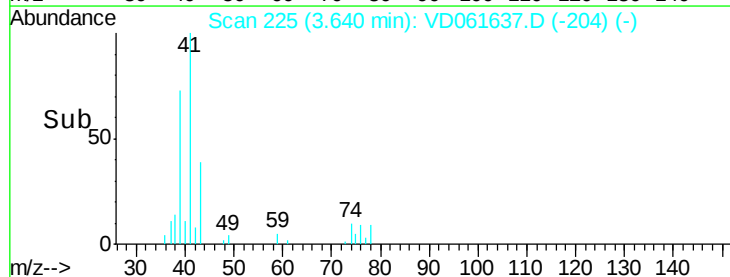
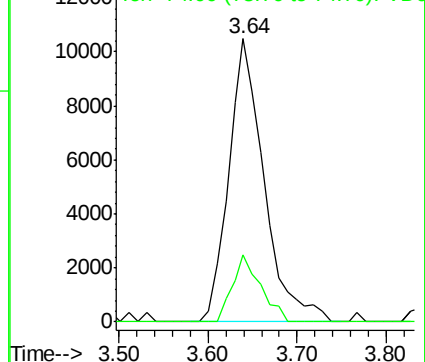
43 100

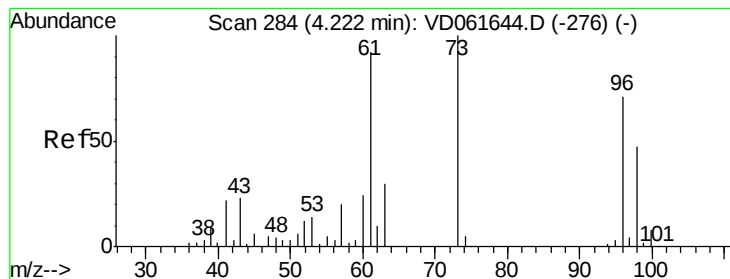
74 23.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



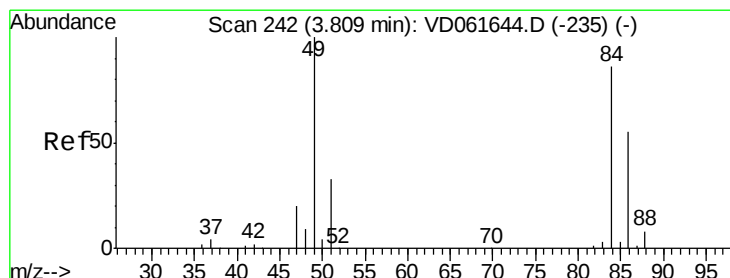
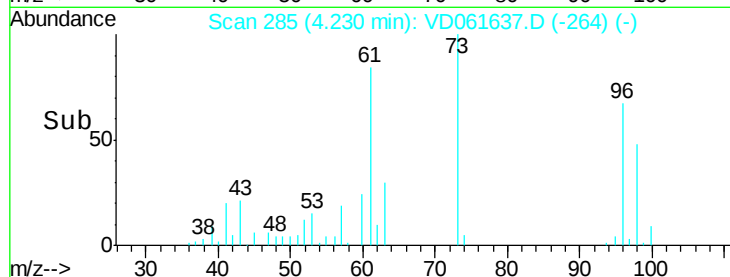
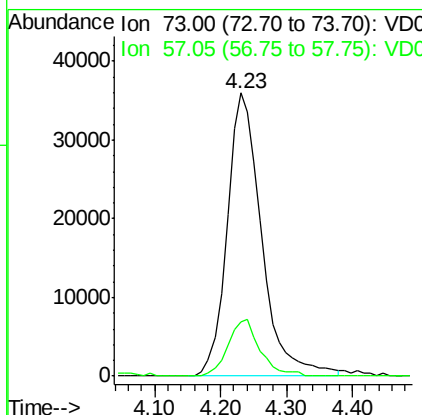
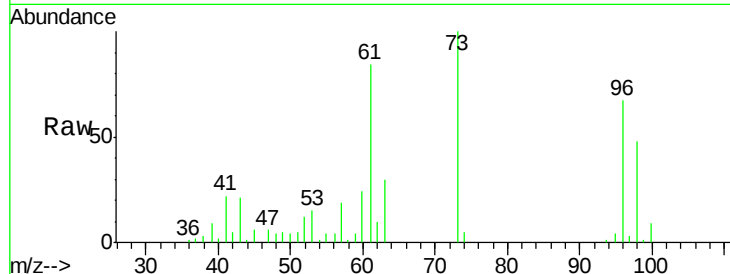


#19

Methyl tert-butyl Ether
 Concen: 10.944 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

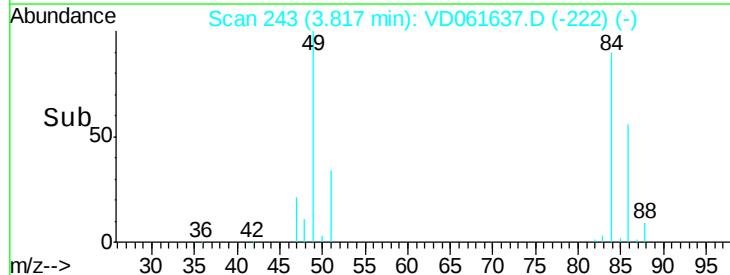
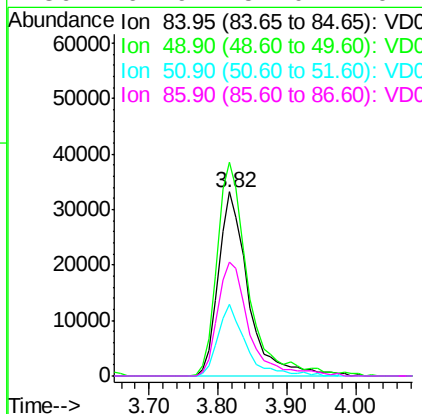
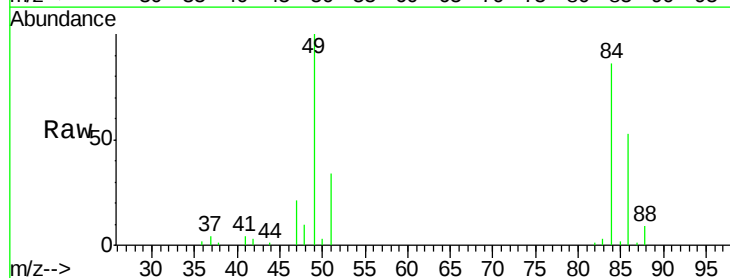
Tot Ion: 73 Resp: 131864
 Ion Ratio Lower Upper
 73 100
 57 19.4 16.0 24.0

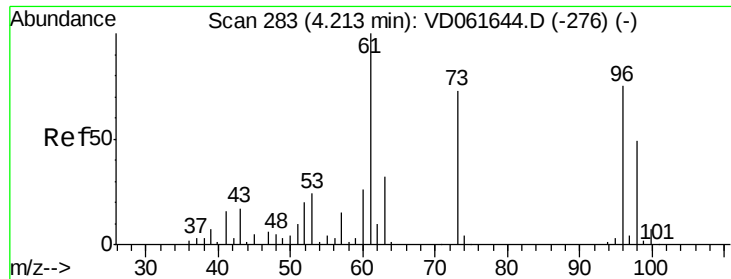


#20

Methylene Chloride
 Concen: 11.697 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 84 Resp: 99956
 Ion Ratio Lower Upper
 84 100
 49 116.1 93.0 139.4
 51 39.1 30.4 45.6
 86 61.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 11.011 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

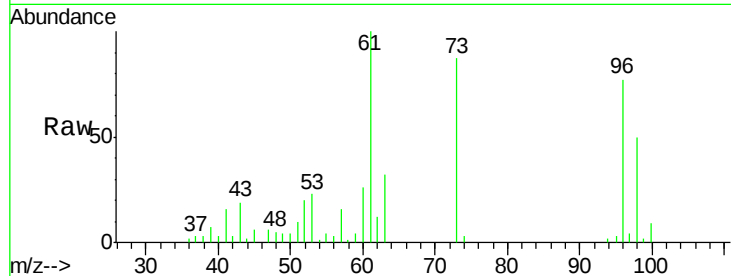
Tot Ion: 96 Resp: 83497

Ion Ratio Lower Upper

96 100

61 130.6 106.8 160.2

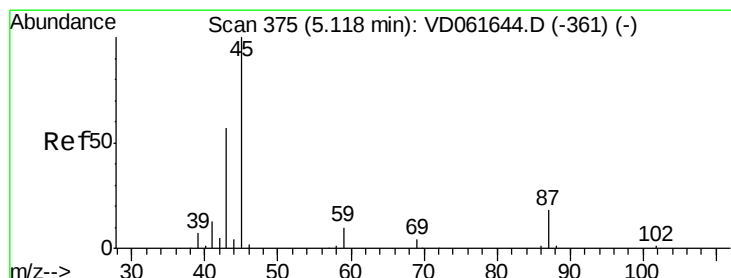
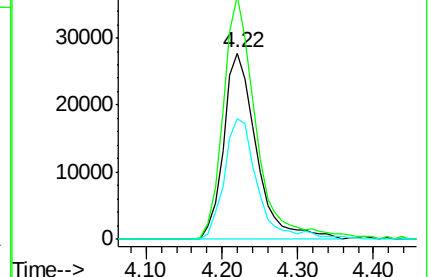
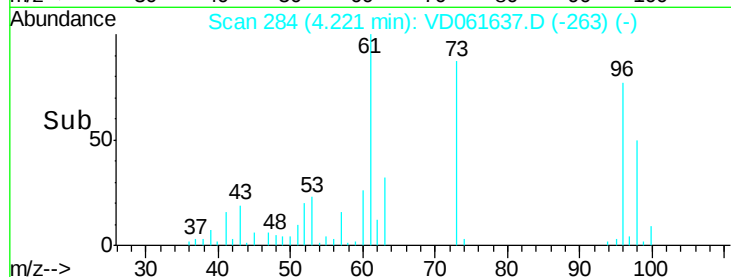
98 64.8 52.2 78.2



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: 11.342 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Tgt Ion: 45 Resp: 227218

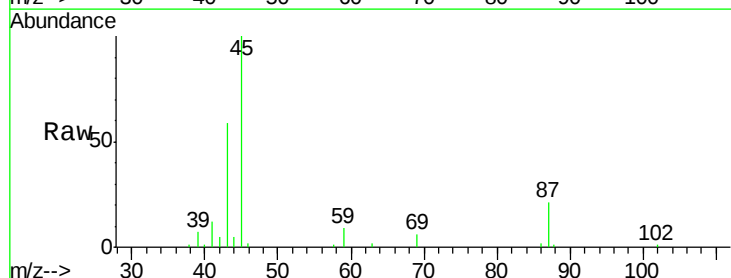
Ion Ratio Lower Upper

45 100

43 58.7 46.6 70.0

87 20.6 15.6 23.4

59 8.6 8.6 13.0#

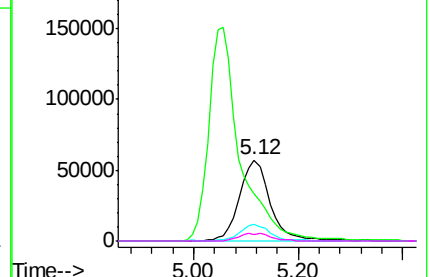
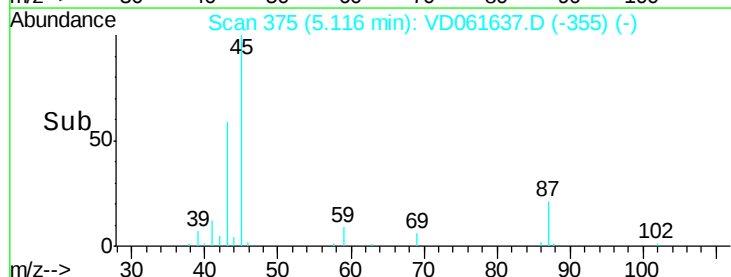


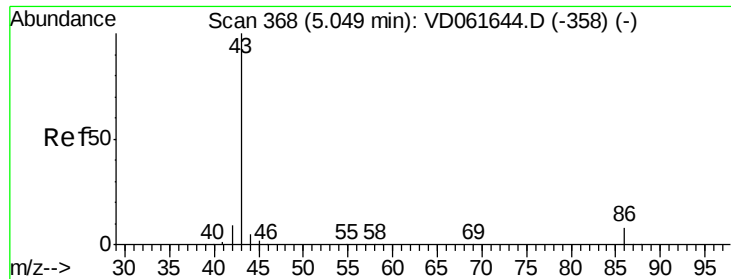
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 56.081 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

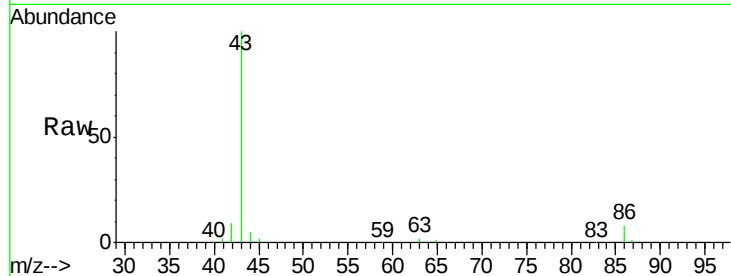
VSTDIC010

Tot Ion: 43 Resp: 621011

Ion Ratio Lower Upper

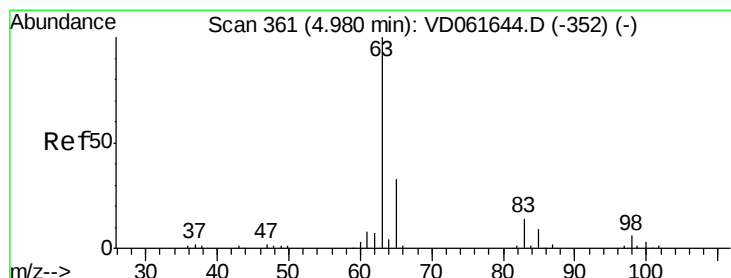
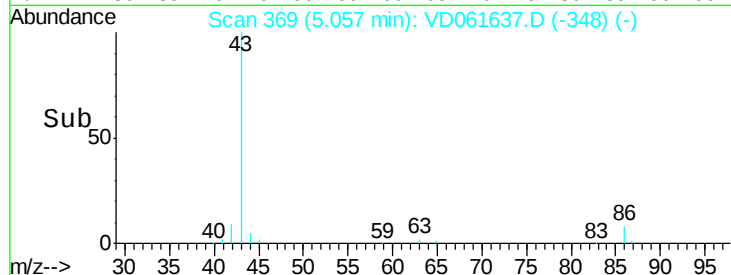
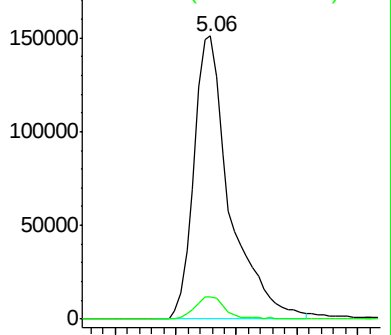
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 11.094 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

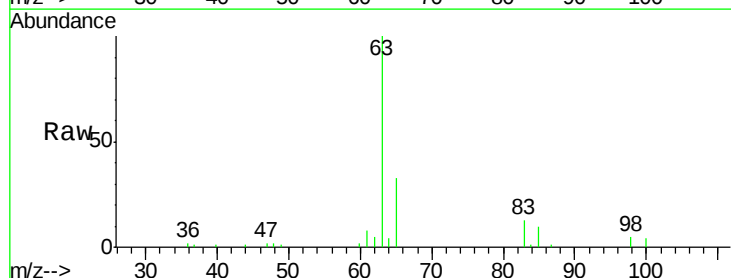
Tgt Ion: 63 Resp: 136959

Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.6

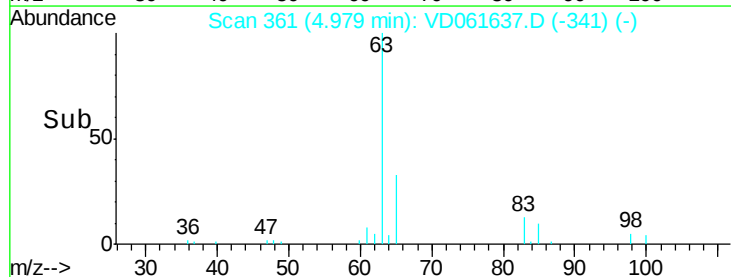
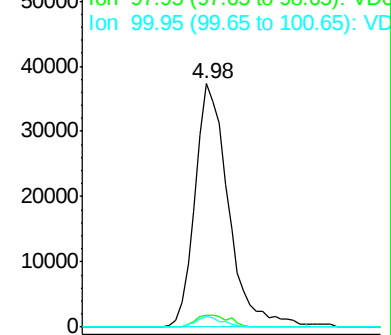
100 4.1 1.7 5.1

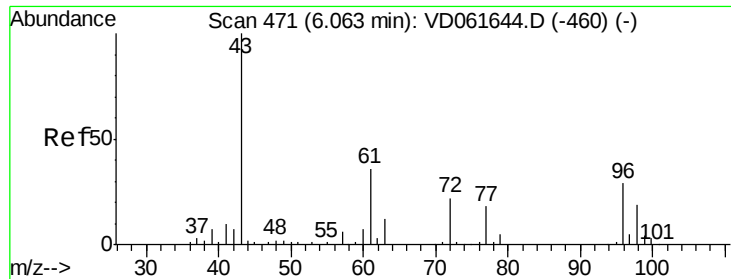


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 53.061 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

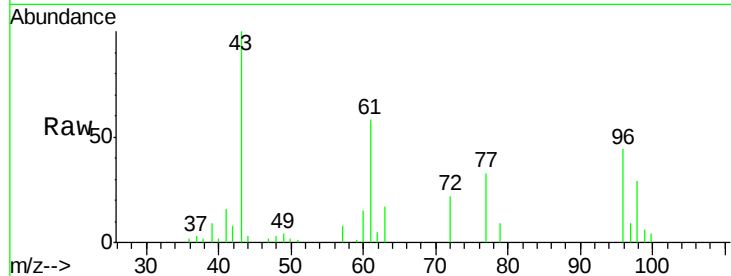
VSTDIC010

Tot Ion: 43 Resp: 92753

Ion Ratio Lower Upper

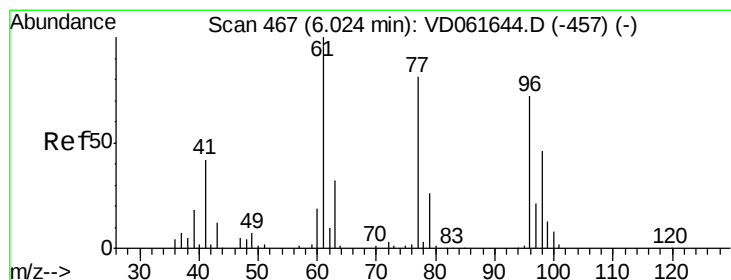
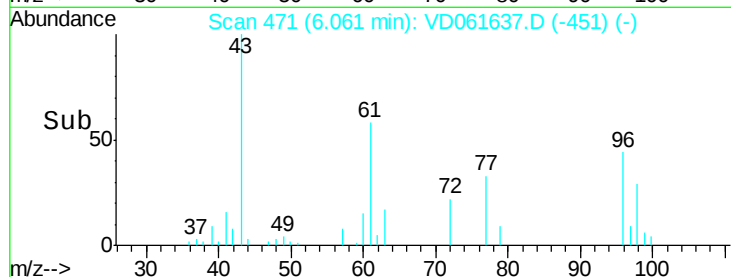
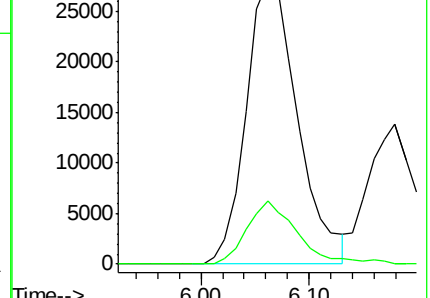
43 100

72 22.1 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.162 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061637.D

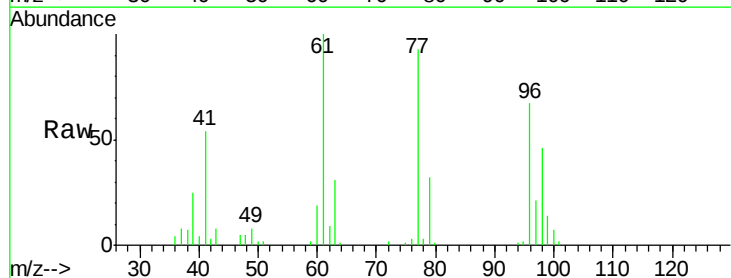
Acq: 6 Apr 2019 12:07

Tgt Ion: 77 Resp: 111955

Ion Ratio Lower Upper

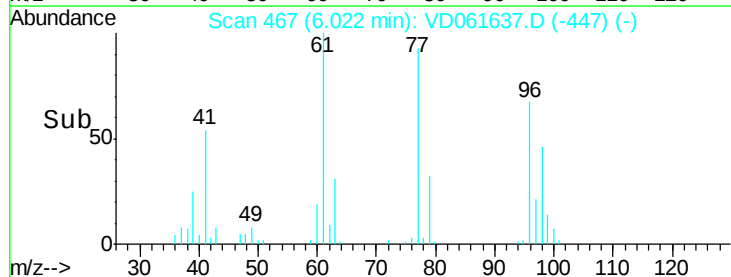
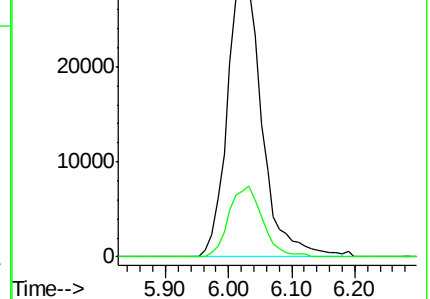
77 100

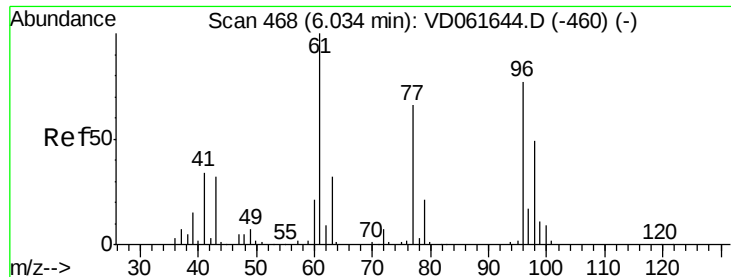
97 23.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



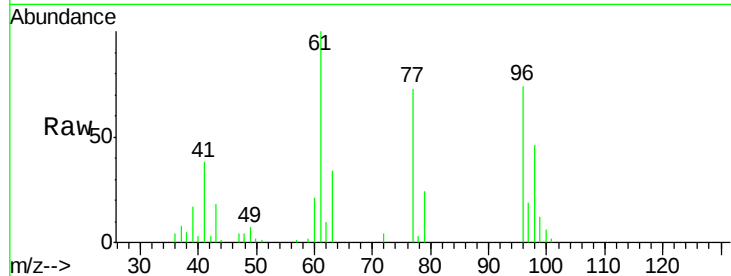


#27

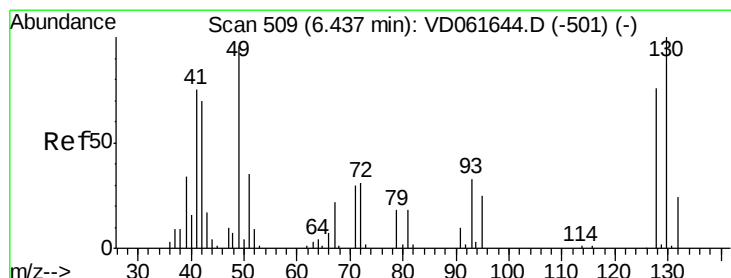
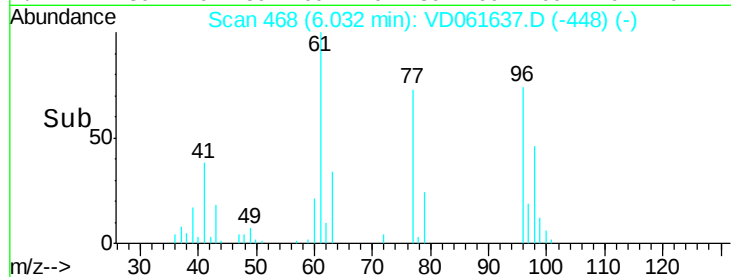
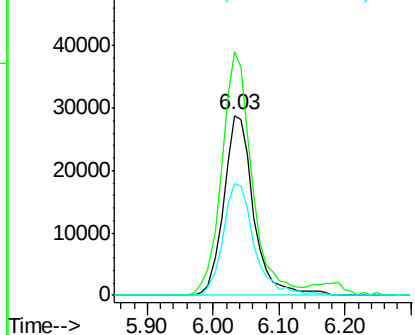
cis-1,2-Dichloroethene
Concen: 11.250 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 90911
Ion Ratio Lower Upper
96 100
61 135.6 0.0 259.8
98 62.5 0.0 127.6



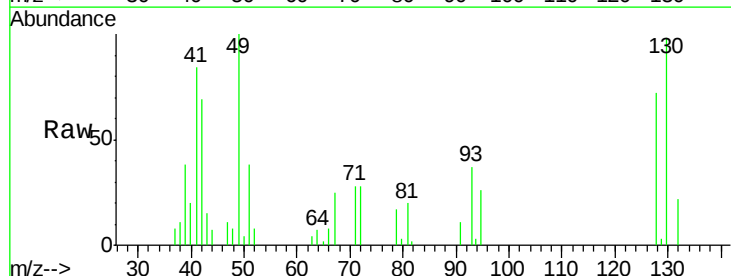
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



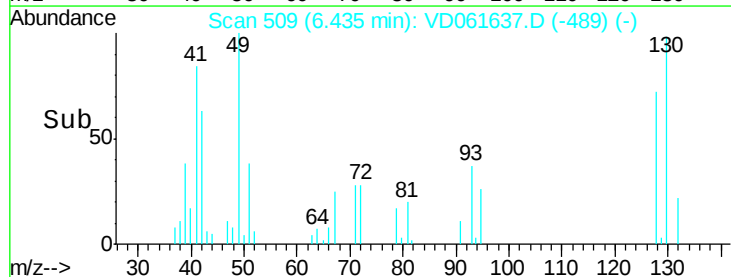
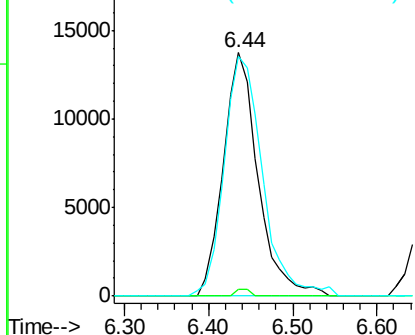
#28

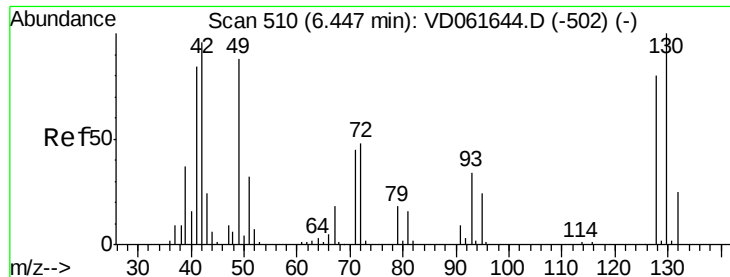
Bromochloromethane
Concen: 8.970 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 49 Resp: 39547
Ion Ratio Lower Upper
49 100
129 2.9 0.0 4.0
130 98.3 83.3 124.9



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

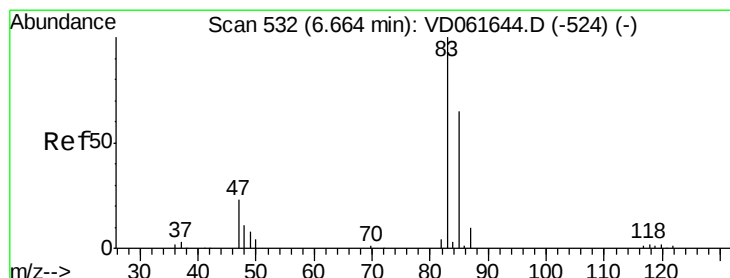
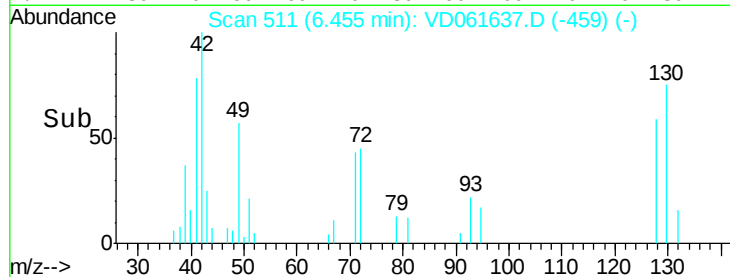
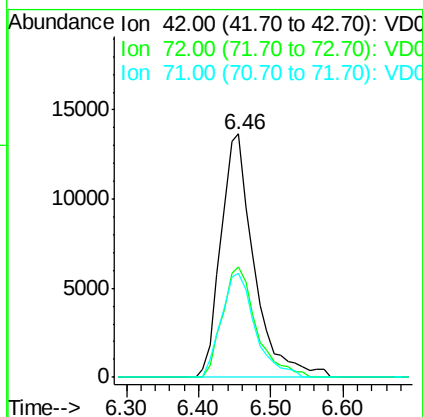
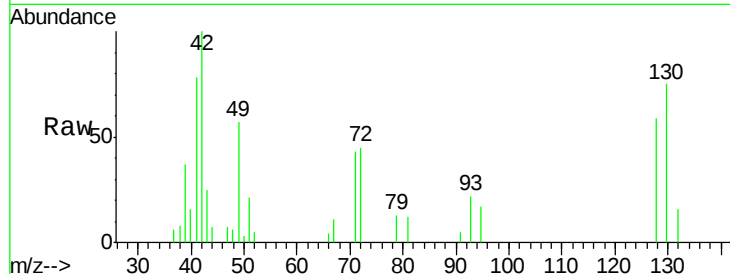




#29
Tetrahydrofuran
Concen: 52.057 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

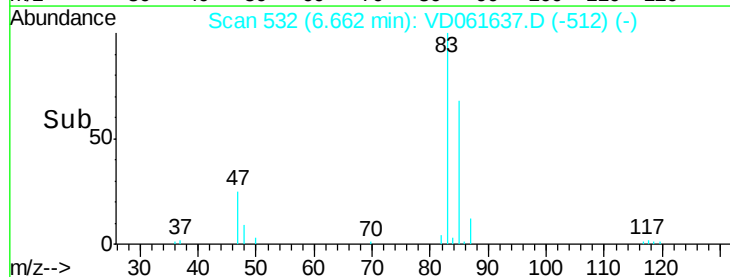
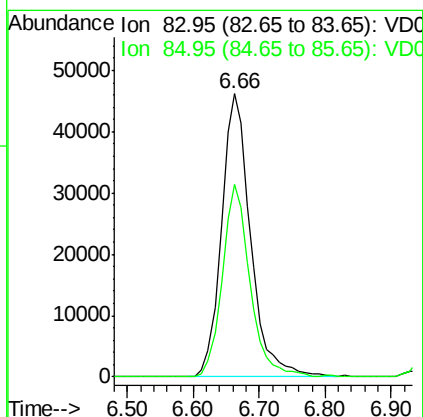
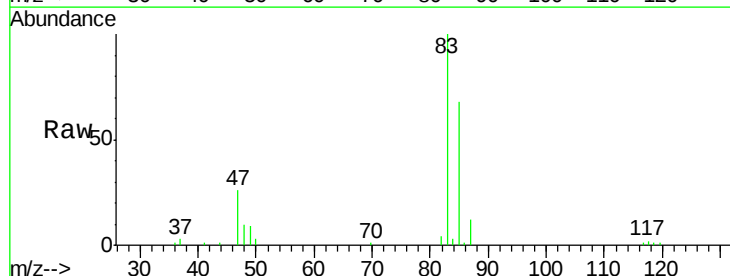
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

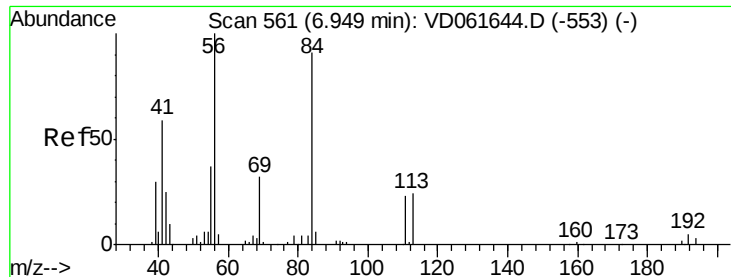
Tot Ion: 42 Resp: 43580
Ion Ratio Lower Upper
42 100
72 46.2 37.0 55.6
71 43.5 36.5 54.7



#30
Chloroform
Concen: 11.050 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 83 Resp: 141974
Ion Ratio Lower Upper
83 100
85 67.9 51.9 77.9

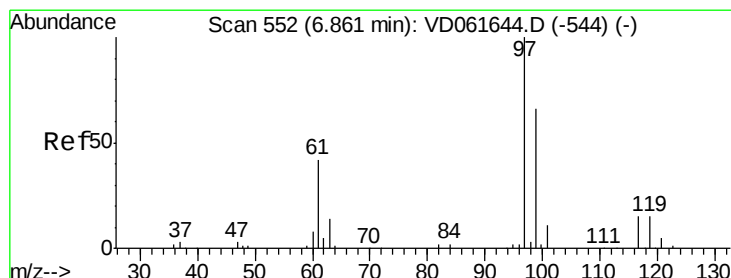
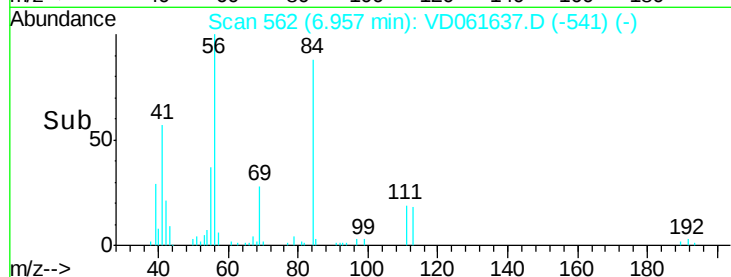
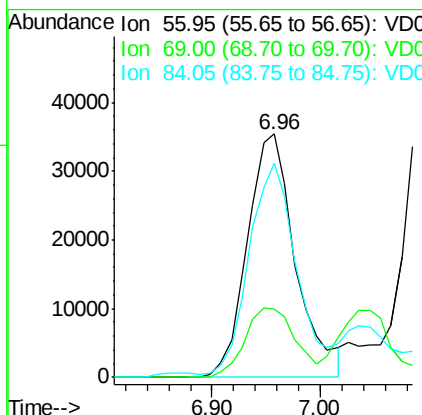
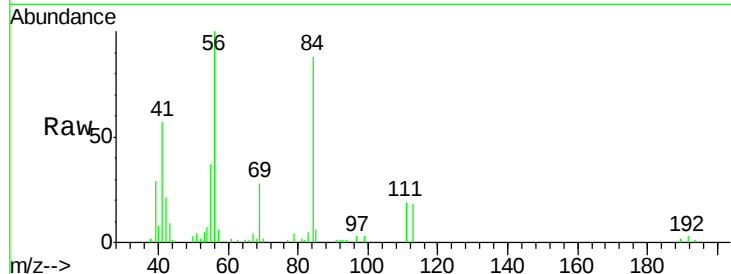




#31
Cyclohexane
Concen: 11.631 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

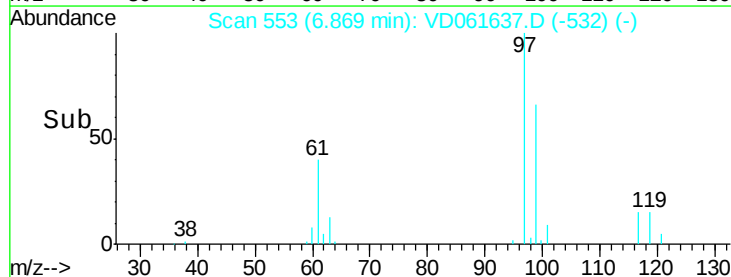
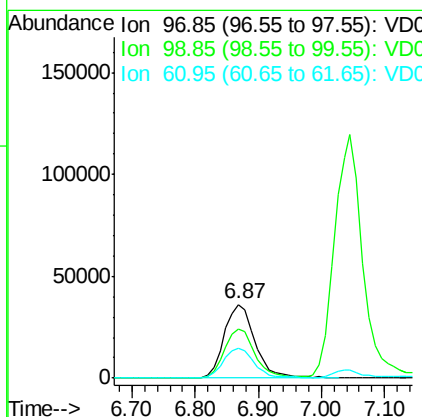
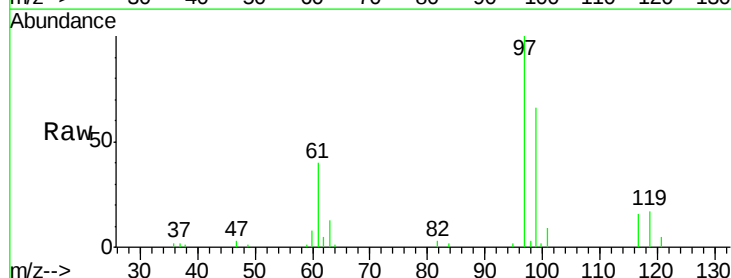
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

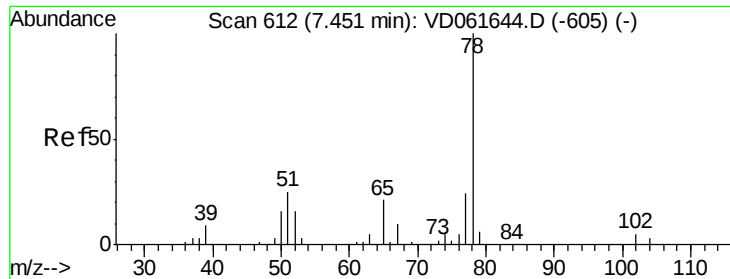
Tot Ion: 56 Resp: 110103
Ion Ratio Lower Upper
56 100
69 28.2 25.8 38.6
84 87.9 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 10.825 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 97 Resp: 122167
Ion Ratio Lower Upper
97 100
99 66.2 52.5 78.7
61 40.2 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 10.825 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

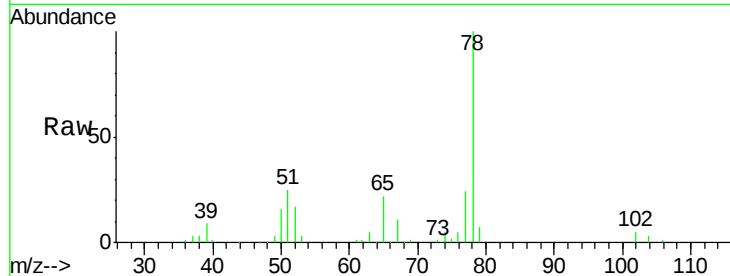
VSTDIC010

Tot Ion: 65 Resp: 55276

Ion Ratio Lower Upper

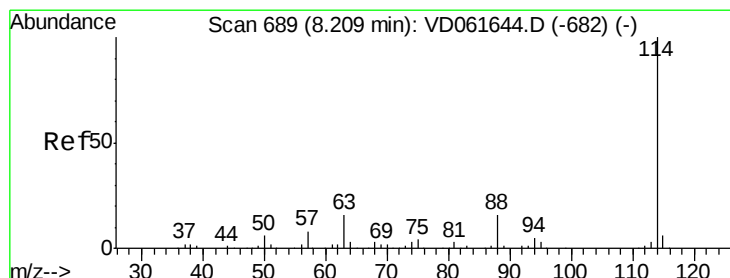
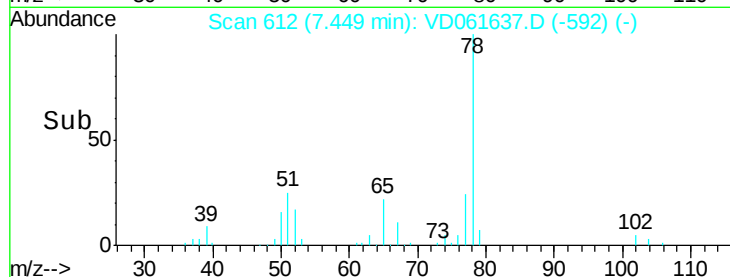
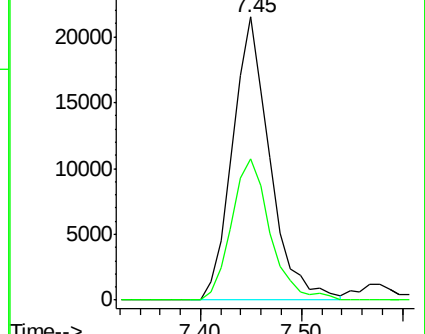
65 100

67 50.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

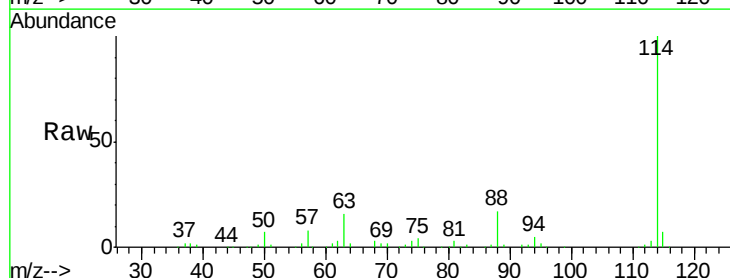
Tgt Ion: 114 Resp: 1122875

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.2

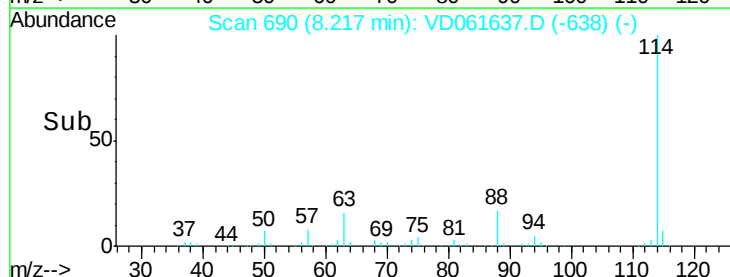
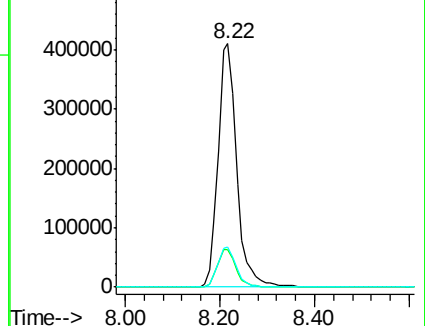
88 16.5 0.0 31.8

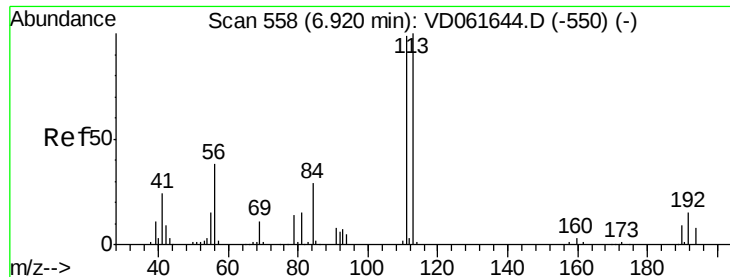


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

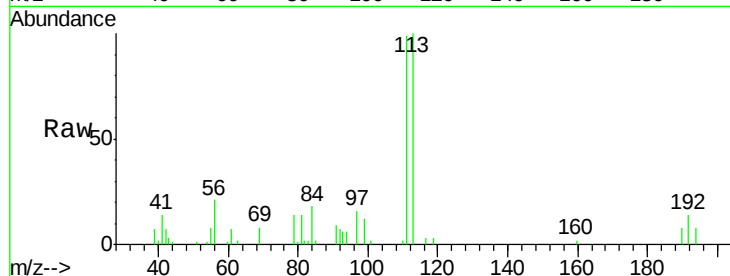
Tot Ion:113 Resp: 82898

Ion Ratio Lower Upper

113 100

111 99.1 79.3 118.9

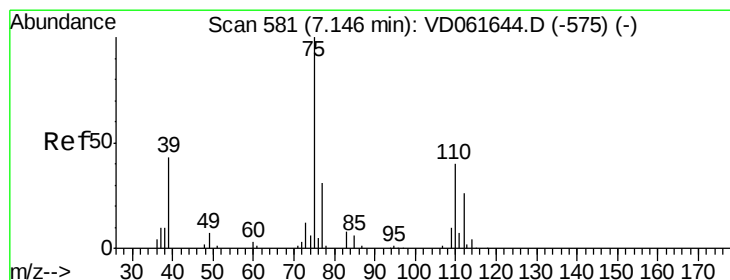
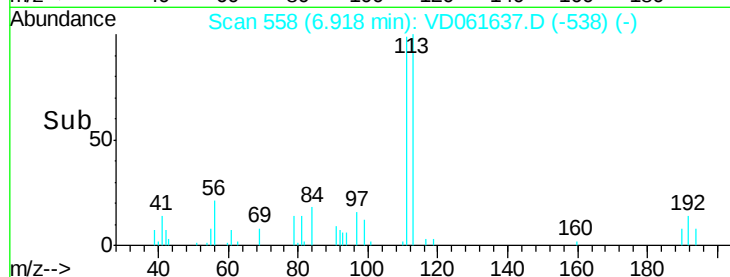
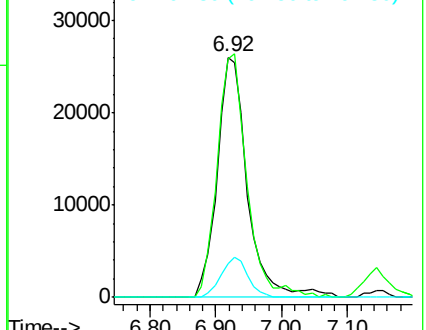
192 14.2 12.3 18.5



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: 11.415 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

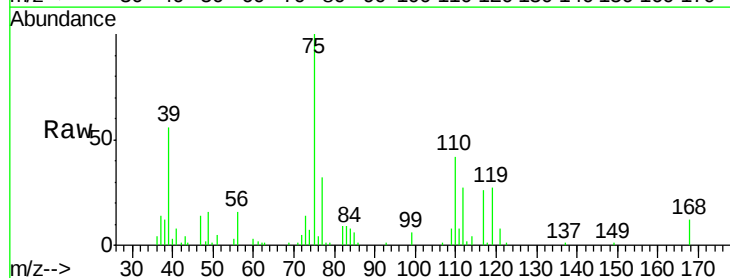
Tgt Ion: 75 Resp: 114599

Ion Ratio Lower Upper

75 100

110 42.1 19.7 59.0

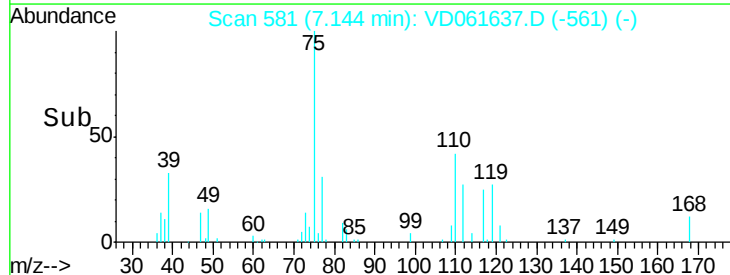
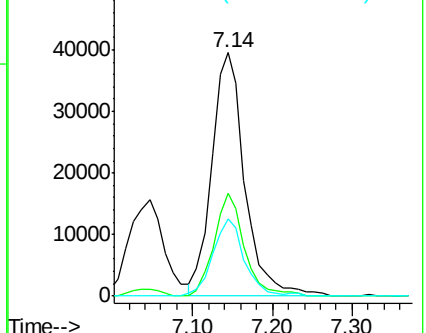
77 31.6 24.8 37.2

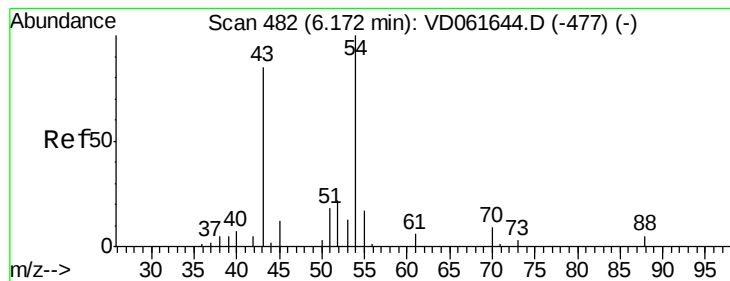


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 9.888 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

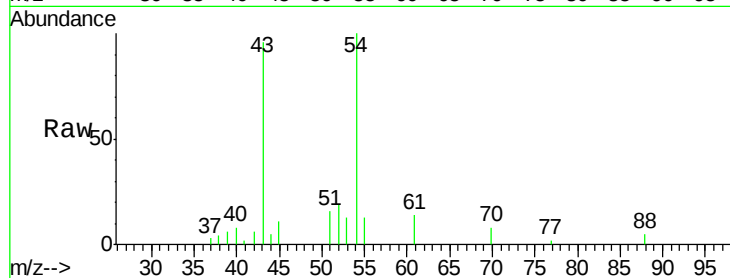
Tot Ion: 43 Resp: 41209

Ion Ratio Lower Upper

43 100

61 14.4 11.9 17.9

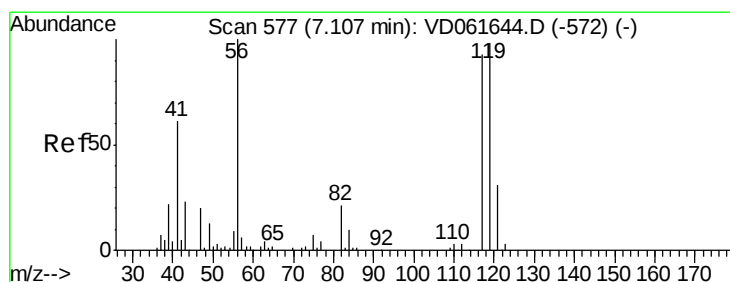
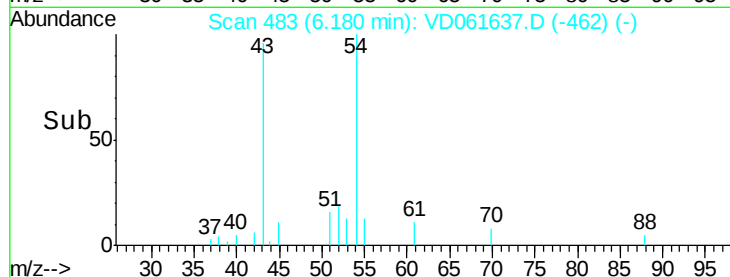
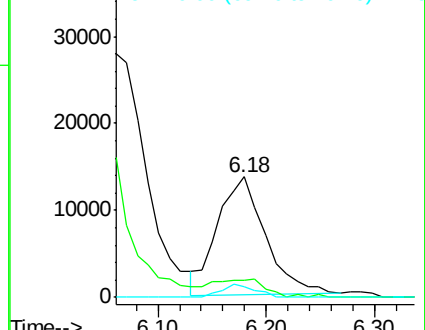
70 8.6 6.9 10.3



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: 11.460 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

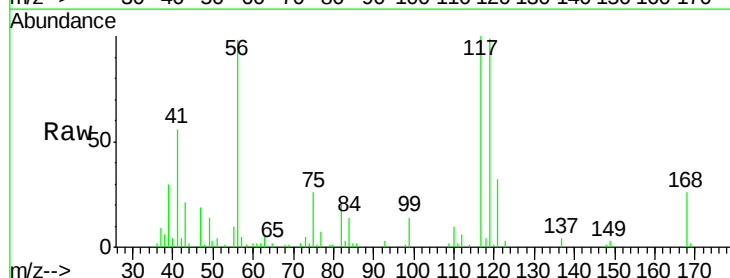
Tgt Ion: 117 Resp: 132894

Ion Ratio Lower Upper

117 100

119 98.9 77.9 116.9

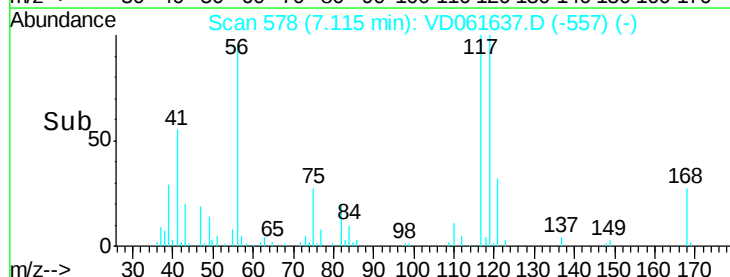
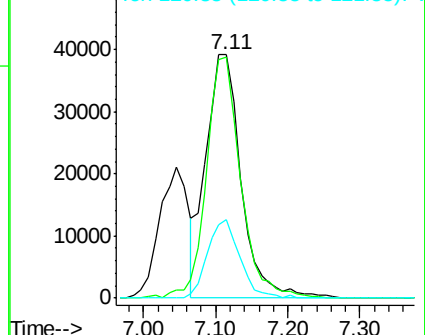
121 32.2 24.7 37.1

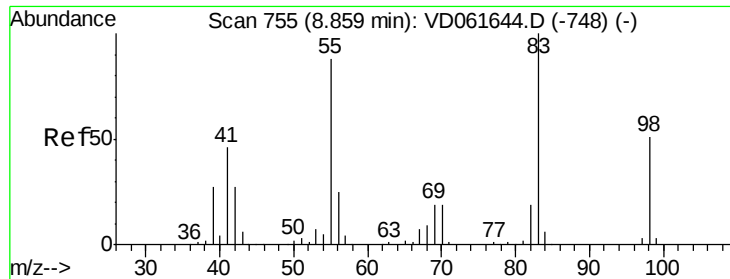


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

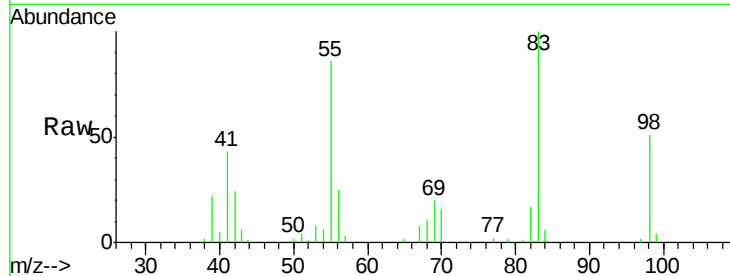




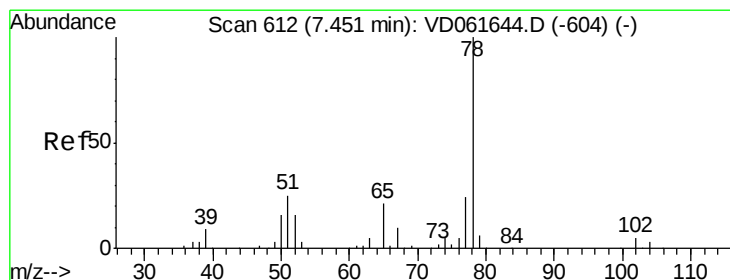
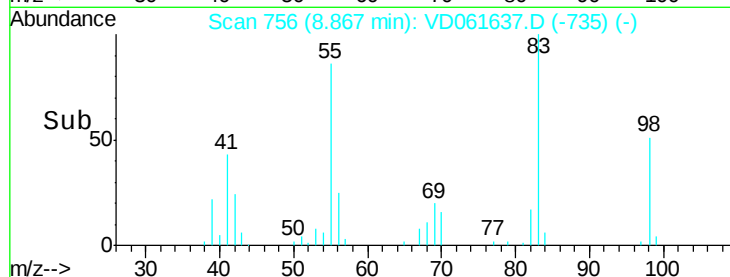
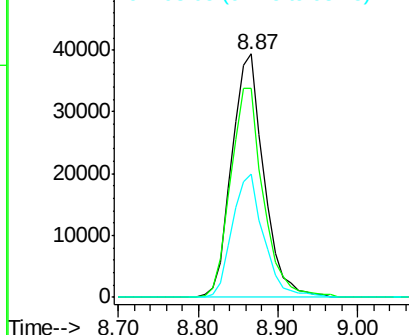
#39
Methvlcvclohexane
Concen: 10.555 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 110468
Ion Ratio Lower Upper
83 100
55 85.9 70.3 105.5
98 50.6 41.0 61.6

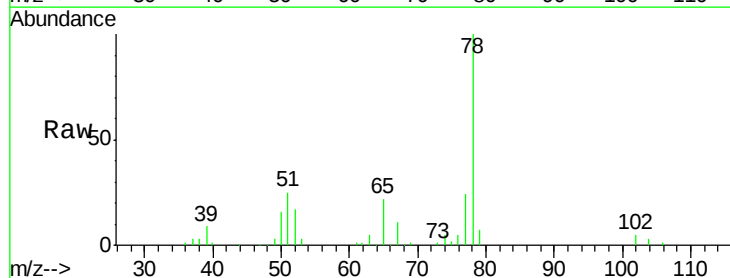


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

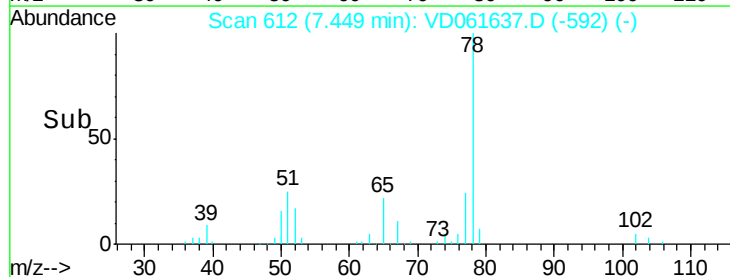
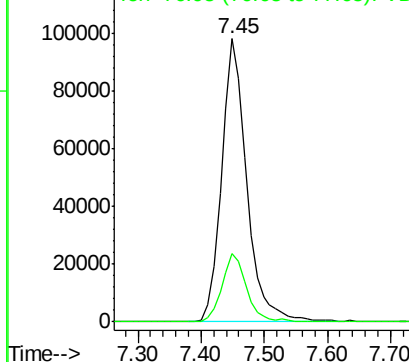


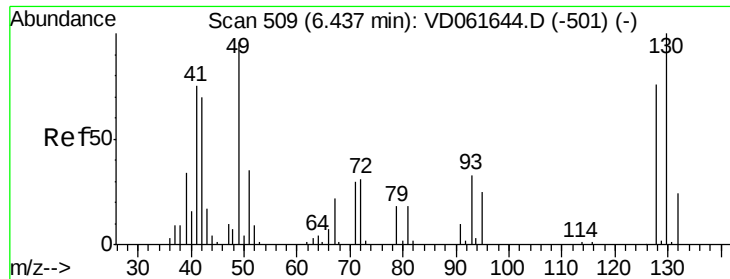
#40
Benzene
Concen: 11.197 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 78 Resp: 271987
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3



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

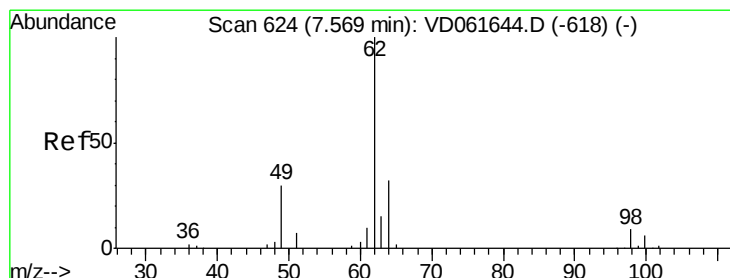
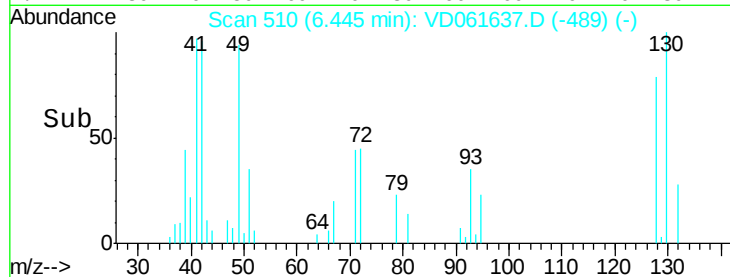
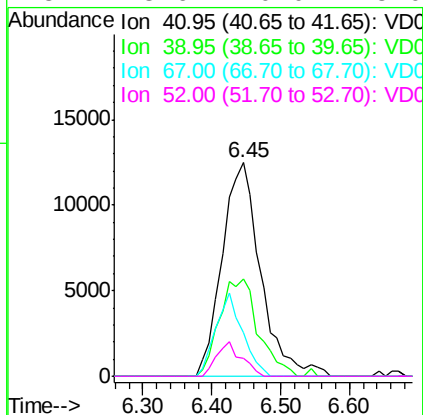
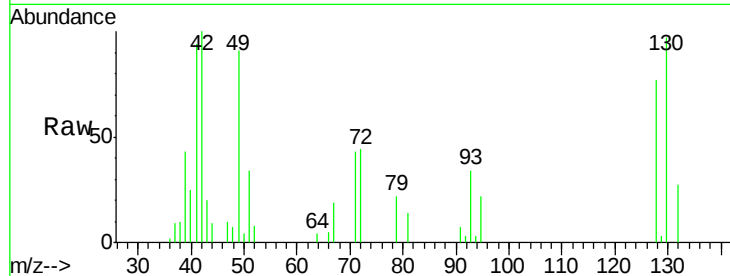




#41
Methacrylonitrile
Concen: 10.279 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

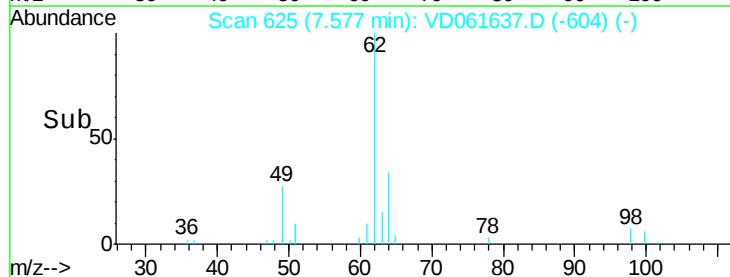
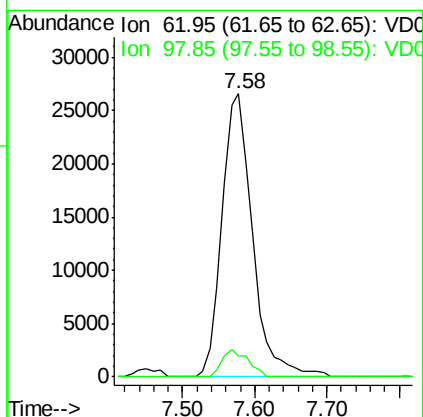
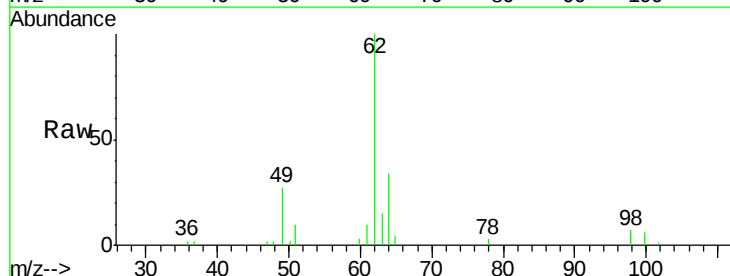
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

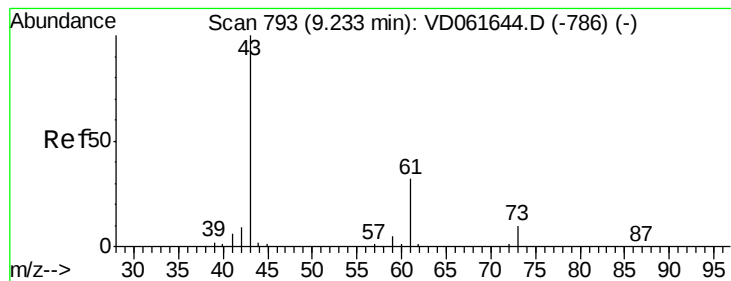
Tot Ion: 41 Resp: 48284
Ion Ratio Lower Upper
41 100
39 45.5 36.2 54.2
67 20.5 23.2 34.8#
52 8.6 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 10.154 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 62 Resp: 77959
Ion Ratio Lower Upper
62 100
98 7.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 10.491 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

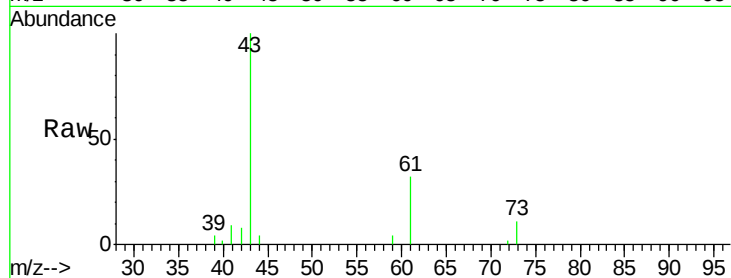
Tot Ion: 43 Resp: 62831

Ion Ratio Lower Upper

43 100

61 31.6 25.9 38.9

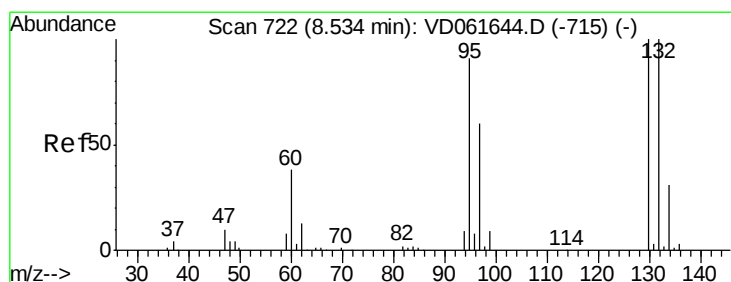
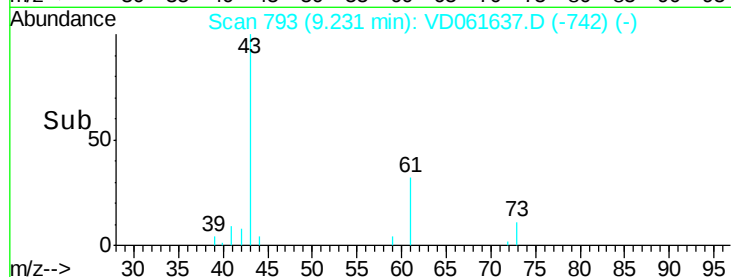
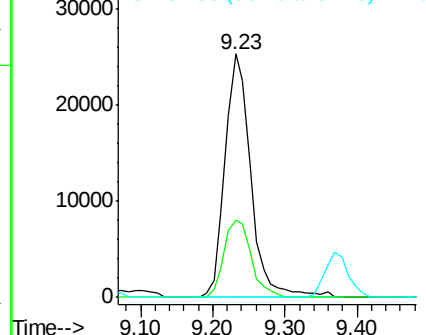
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.357 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD061637.D

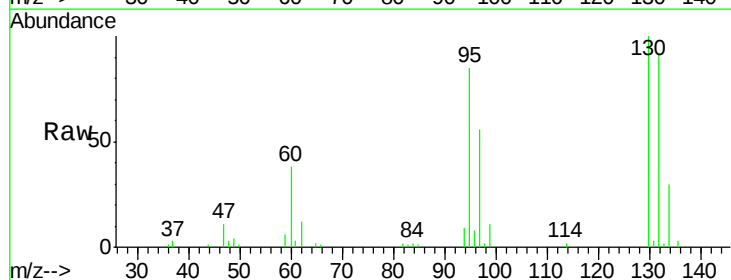
Acq: 6 Apr 2019 12:07

Tgt Ion:130 Resp: 95843

Ion Ratio Lower Upper

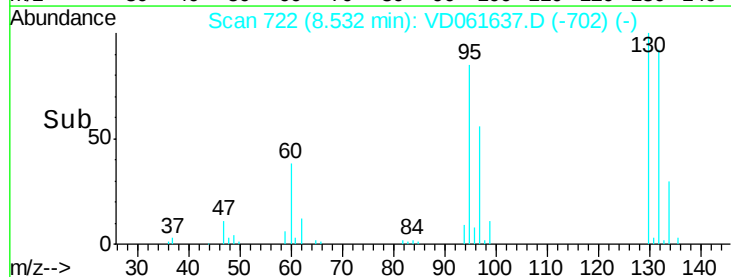
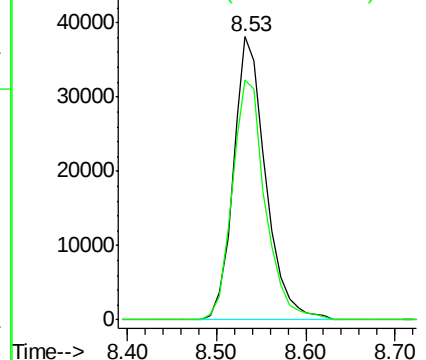
130 100

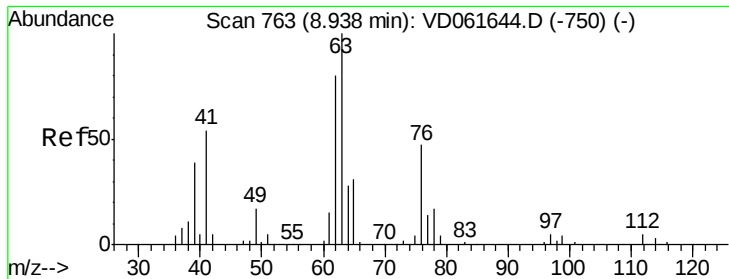
95 84.8 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.995 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

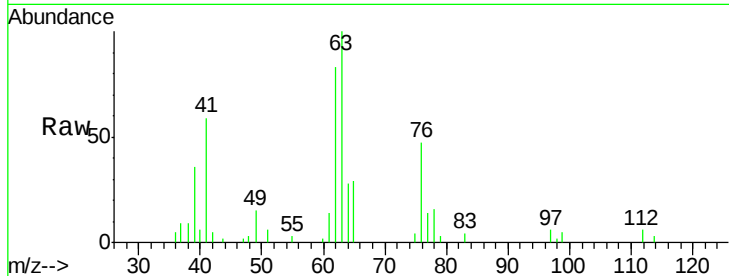
VSTDIC010

Tot Ion: 63 Resp: 65424

Ion Ratio Lower Upper

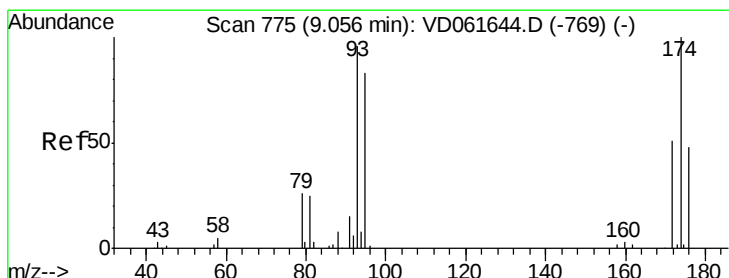
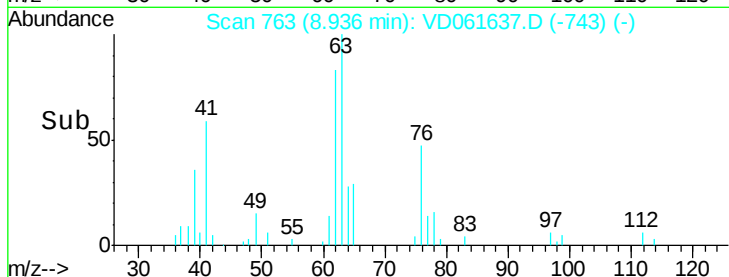
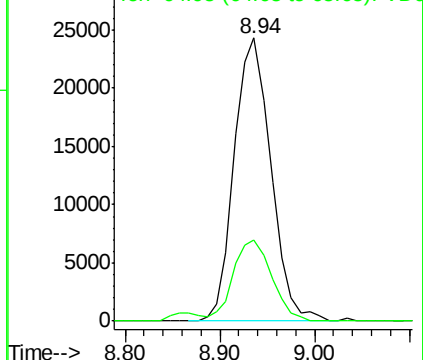
63 100

65 28.8 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 10.724 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

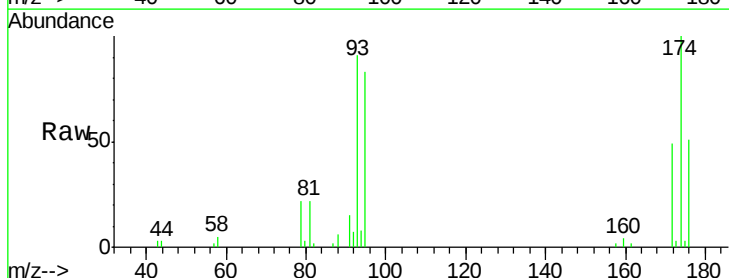
Tgt Ion: 93 Resp: 45229

Ion Ratio Lower Upper

93 100

95 91.1 68.6 103.0

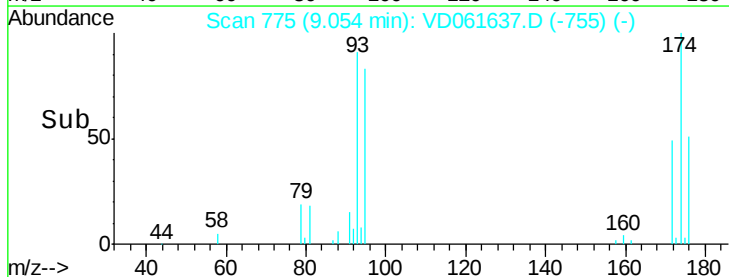
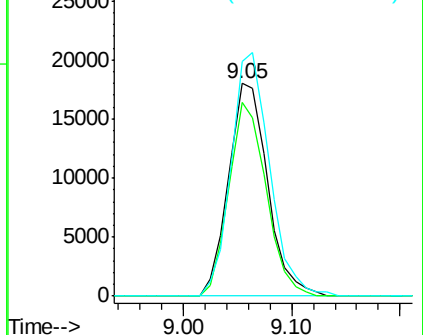
174 110.1 83.0 124.4

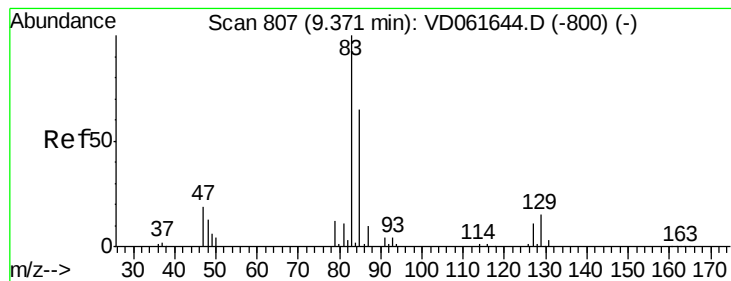


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.887 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

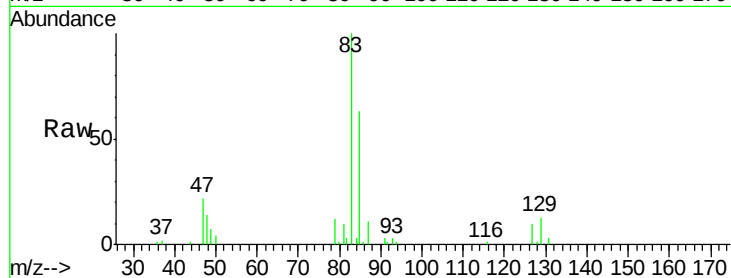
Tot Ion: 83 Resp: 102641

Ion Ratio Lower Upper

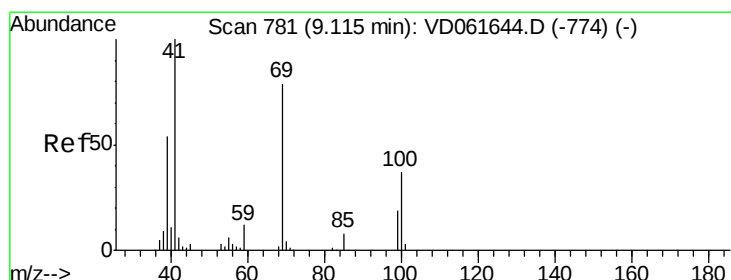
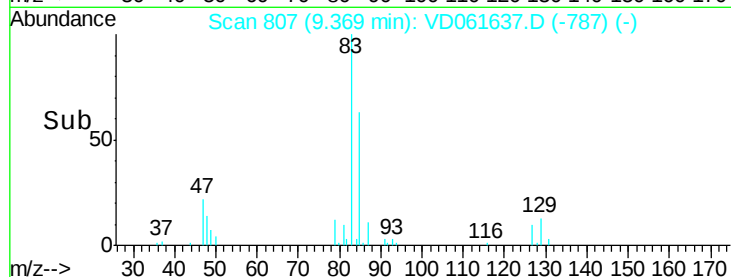
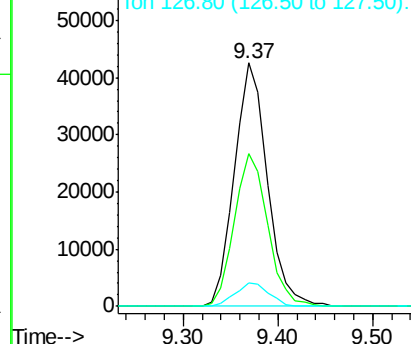
83 100

85 62.9 51.8 77.6

127 9.9 9.0 13.6



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: 10.229 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

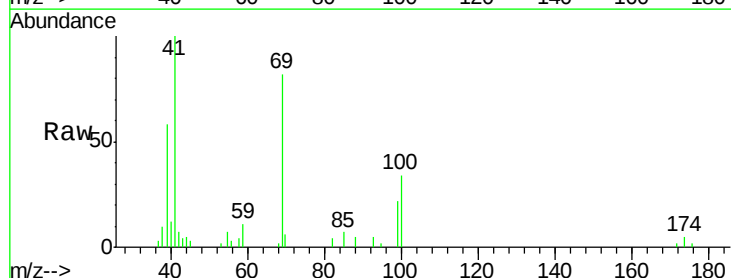
Tgt Ion: 41 Resp: 33874

Ion Ratio Lower Upper

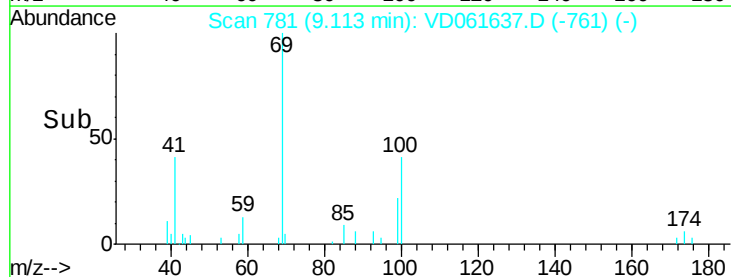
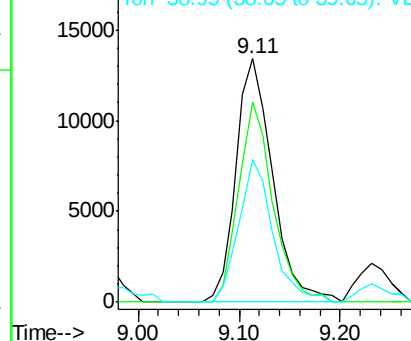
41 100

69 82.1 63.1 94.7

39 58.3 43.8 65.8



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: 203.165 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

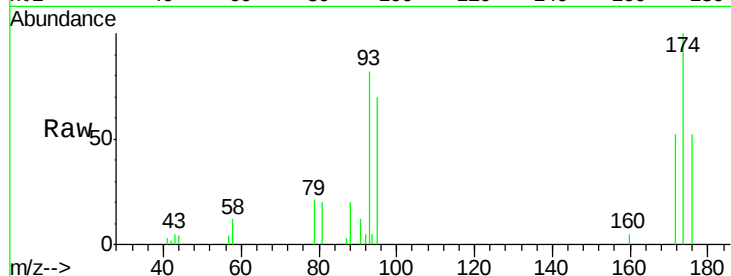
Tot Ion: 88 Resp: 7447

Ion Ratio Lower Upper

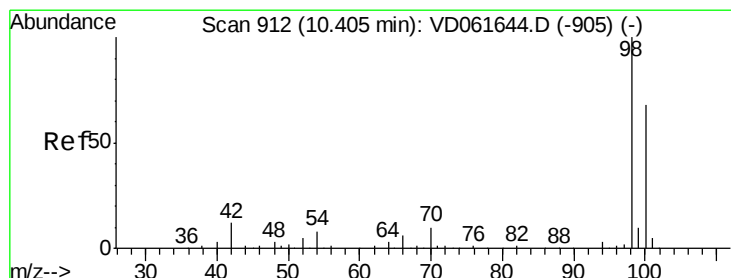
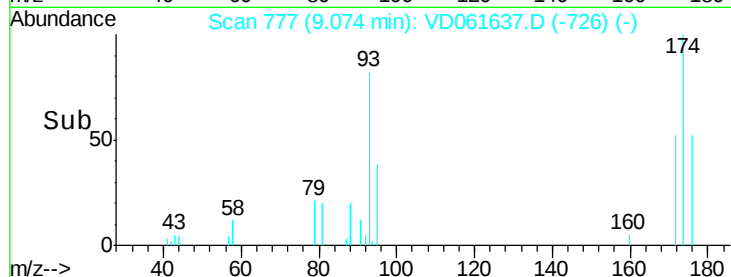
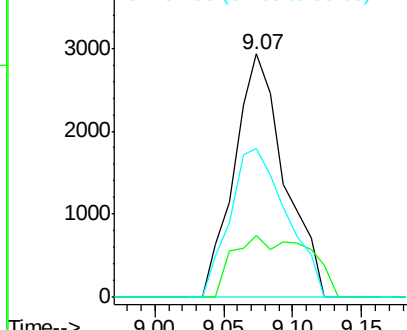
88 100

43 25.4 21.8 32.8

58 61.2 40.2 60.2#



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: 203.165 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061637.D

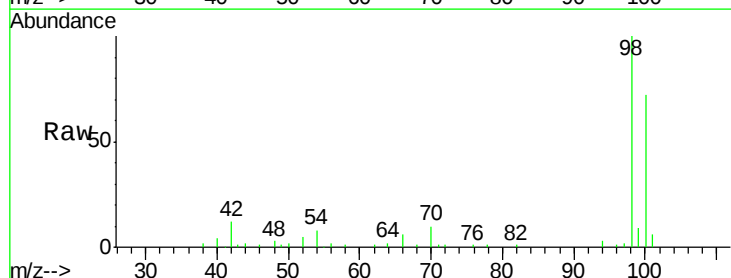
Acq: 6 Apr 2019 12:07

Tgt Ion: 98 Resp: 208702

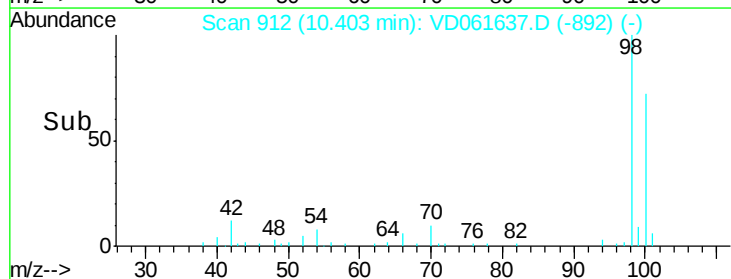
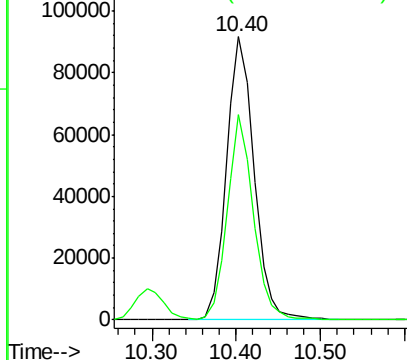
Ion Ratio Lower Upper

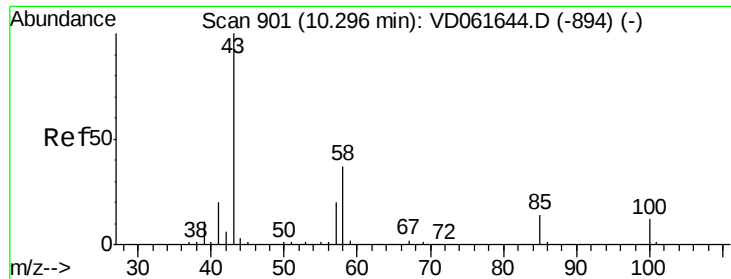
98 100

100 72.5 55.4 83.0



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: 54.837 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

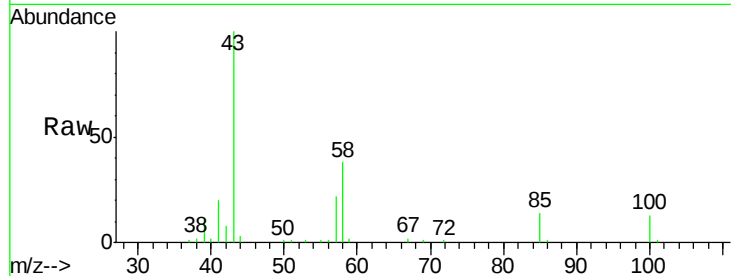
VSTDIC010

Tot Ion: 43 Resp: 193389

Ion Ratio Lower Upper

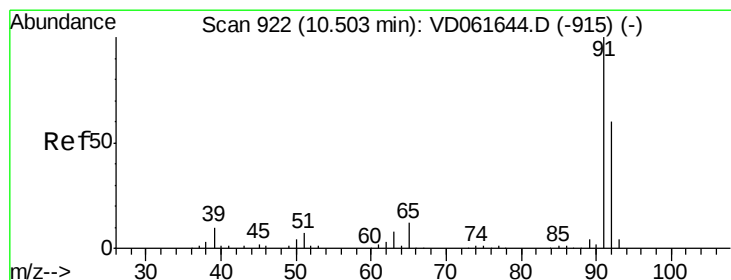
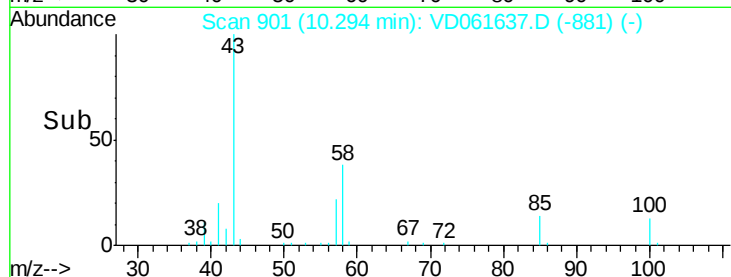
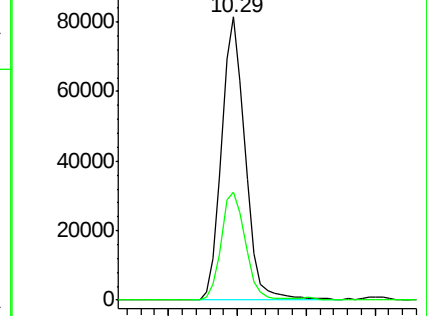
43 100

58 38.0 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.150 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061637.D

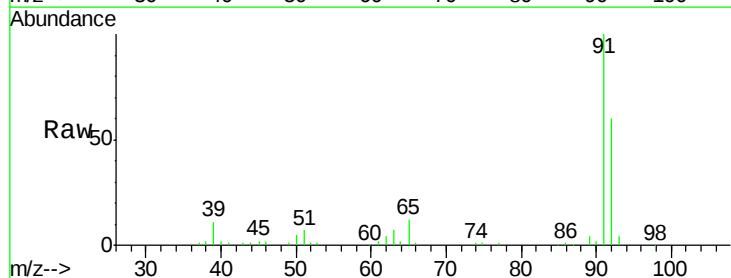
Acq: 6 Apr 2019 12:07

Tgt Ion: 92 Resp: 152731

Ion Ratio Lower Upper

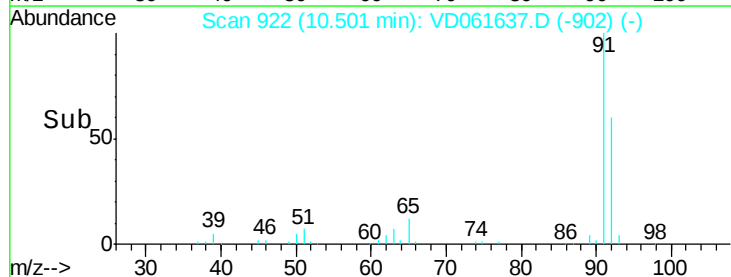
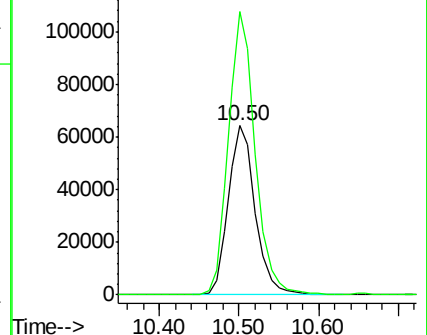
92 100

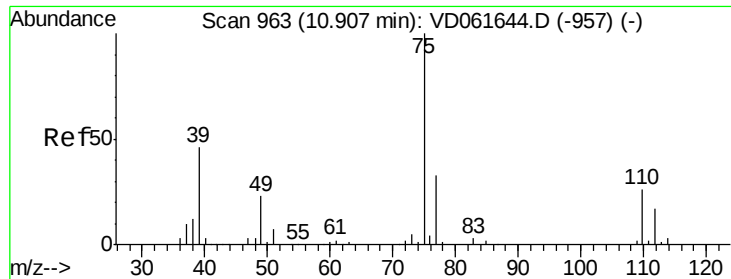
91 167.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

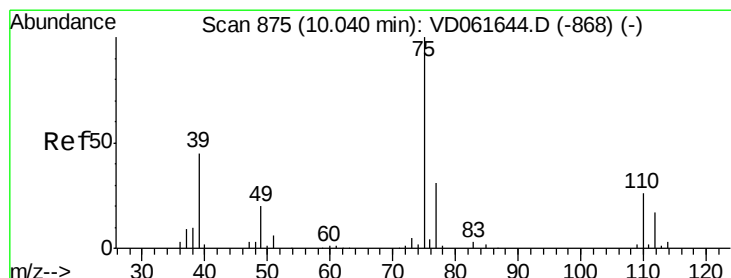
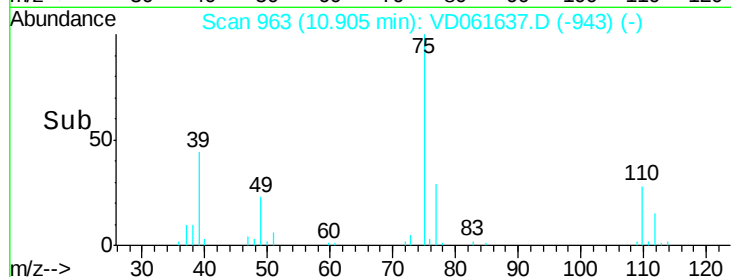
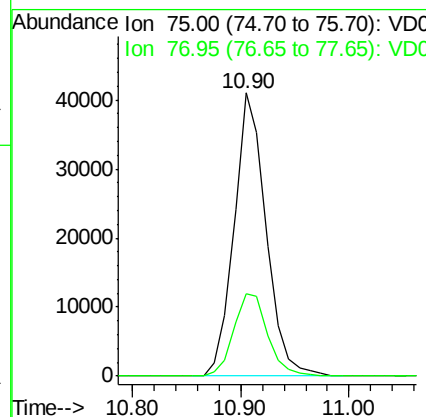
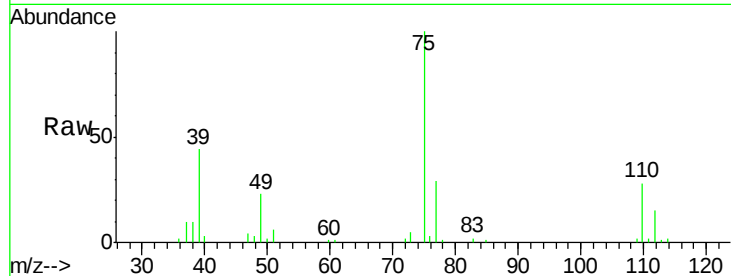




#53
 t-1,3-Dichloropropene
 Concen: 10.095 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

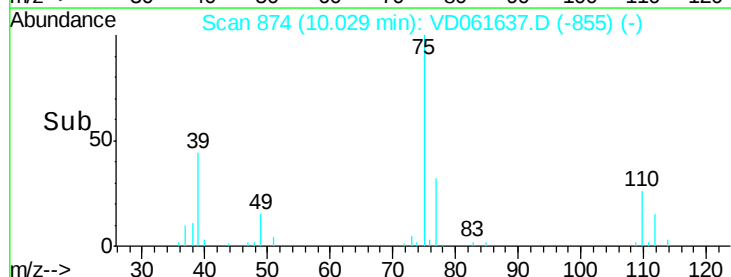
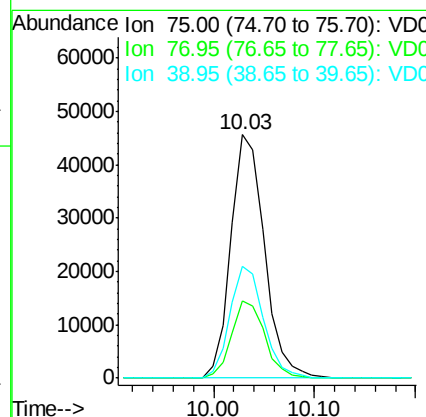
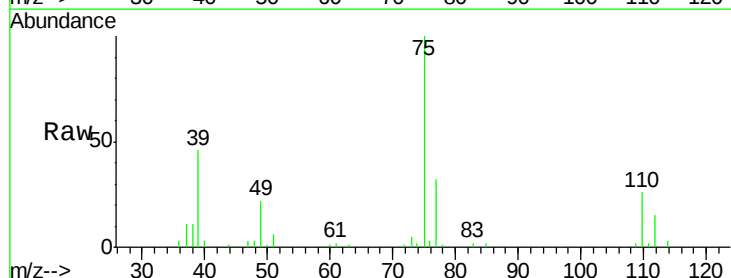
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

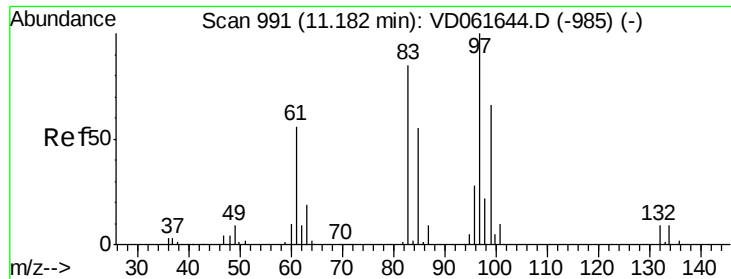
Tot Ion: 75 Resp: 84048
 Ion Ratio Lower Upper
 75 100
 77 28.9 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 10.307 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 75 Resp: 105713
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0
 39 46.1 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 11.402 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 56569

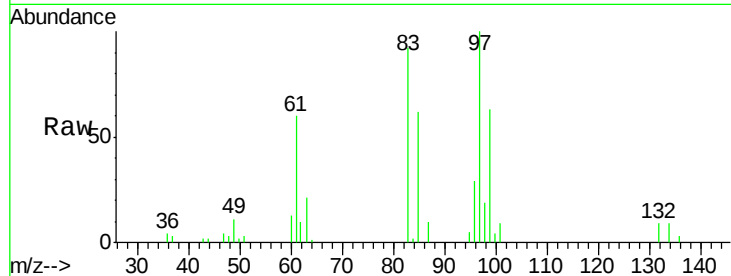
Ion Ratio Lower Upper

97 100

83 92.4 67.8 101.6

85 62.4 43.8 65.8

99 62.8 52.8 79.2

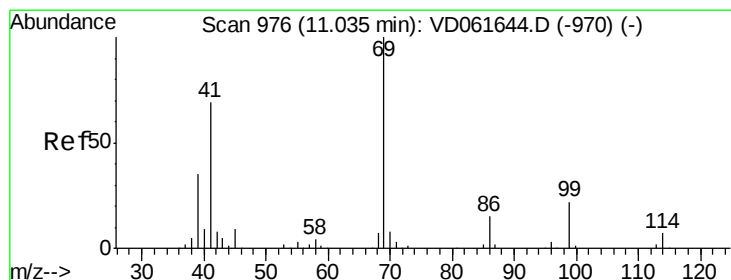
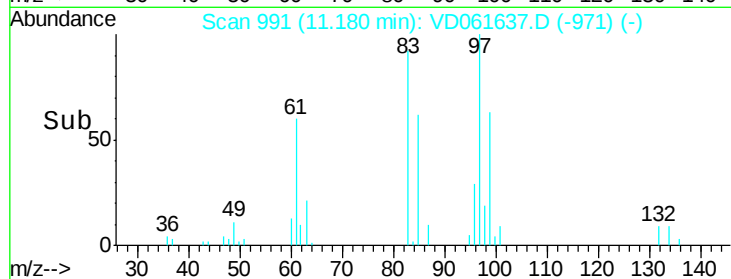
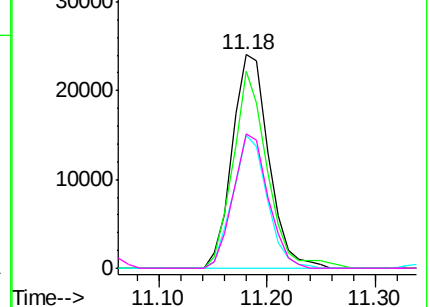


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 11.079 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

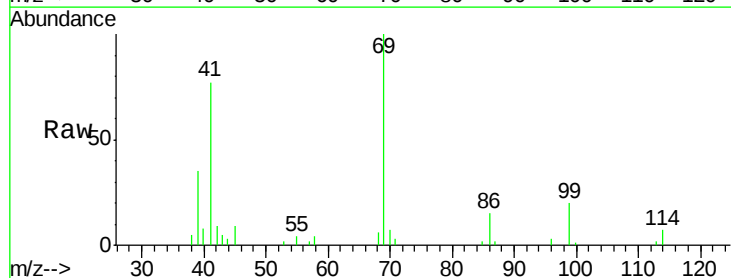
Tgt Ion: 69 Resp: 59723

Ion Ratio Lower Upper

69 100

41 77.3 55.2 82.8

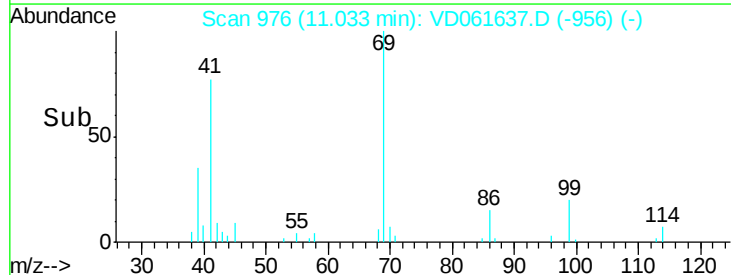
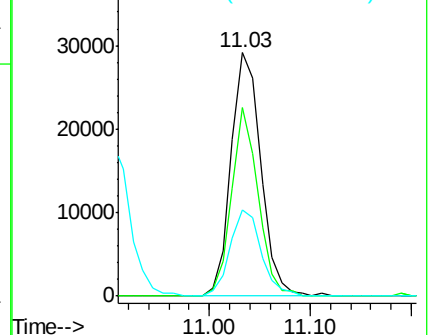
39 35.3 28.6 43.0

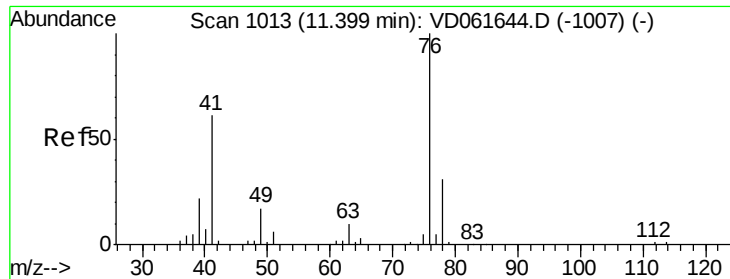


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

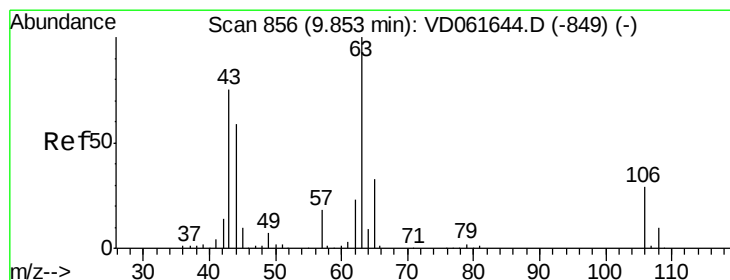
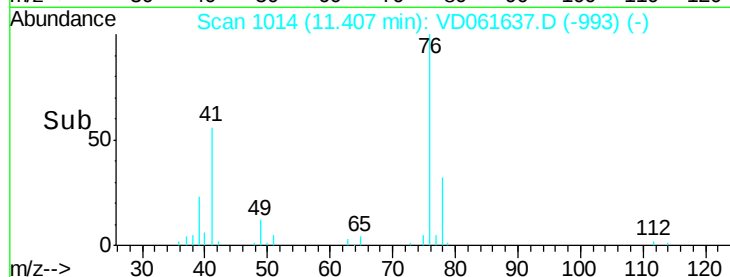
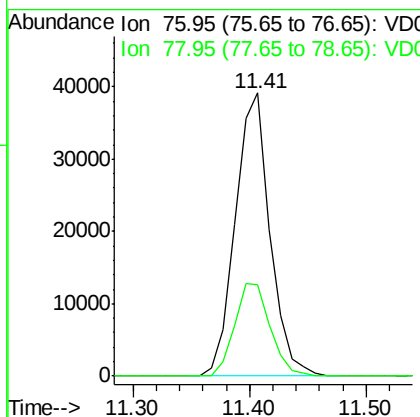
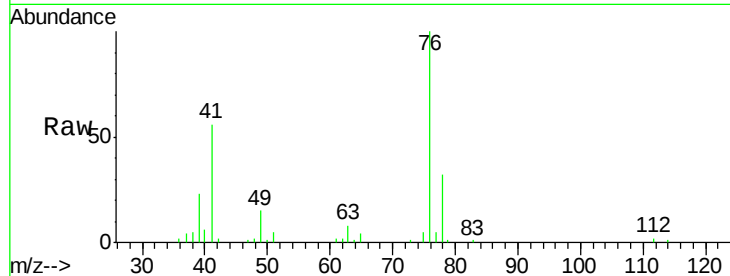




#57
 1,3-Dichloropropane
 Concen: 10.721 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

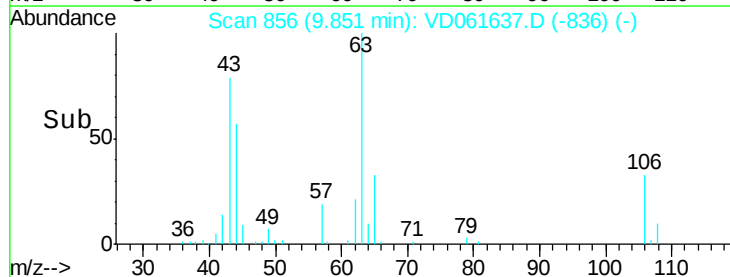
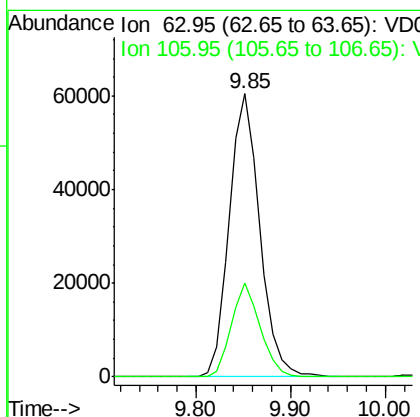
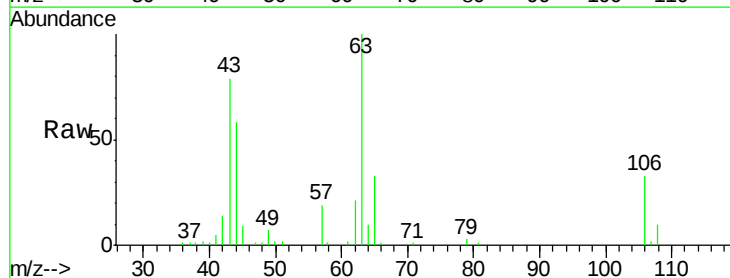
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

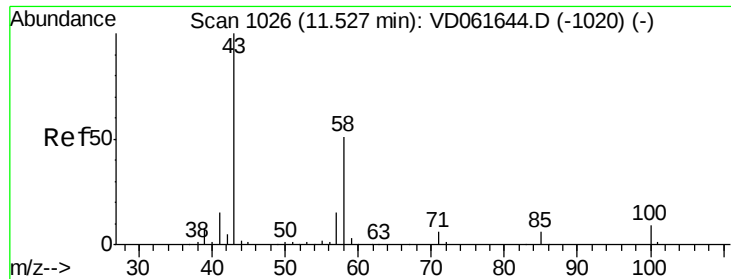
Tot Ion: 76 Resp: 80309
 Ion Ratio Lower Upper
 76 100
 78 32.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 55.093 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 63 Resp: 134547
 Ion Ratio Lower Upper
 63 100
 106 33.0 23.0 34.6

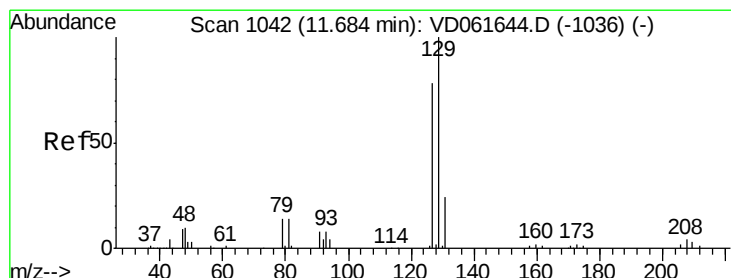
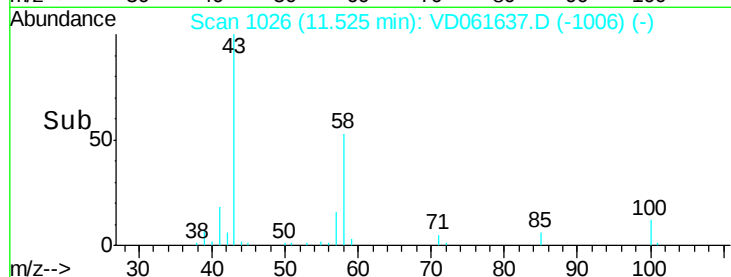
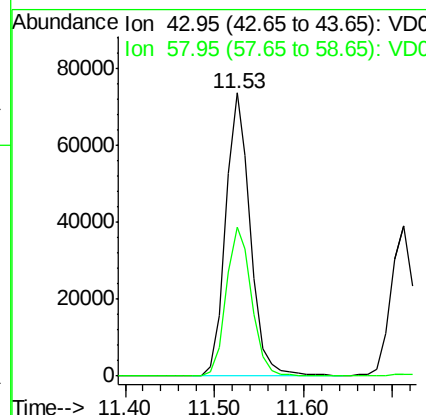
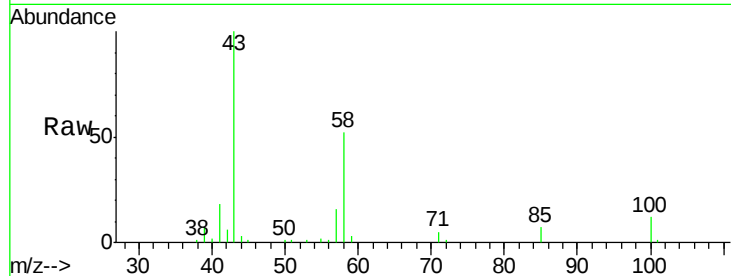




#59
2-Hexanone
Concen: 53.606 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

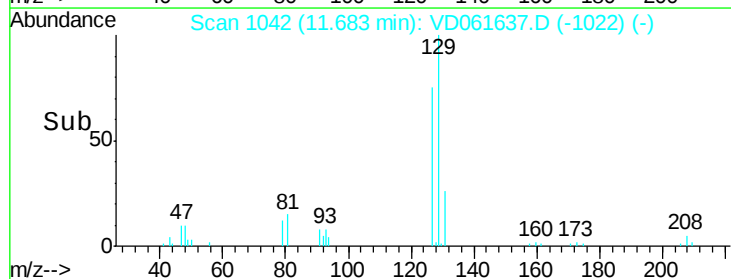
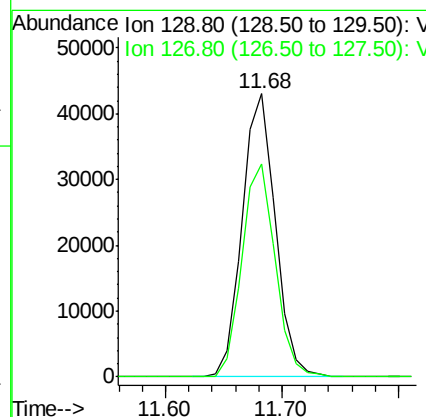
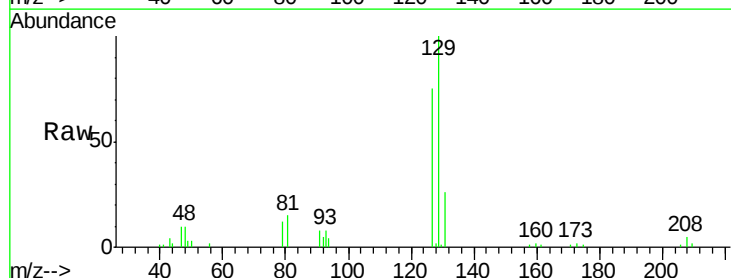
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 142669
Ion Ratio Lower Upper
43 100
58 52.5 25.6 76.8



#60
Dibromochloromethane
Concen: 10.734 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion:129 Resp: 84764
Ion Ratio Lower Upper
129 100
127 75.4 38.8 116.4

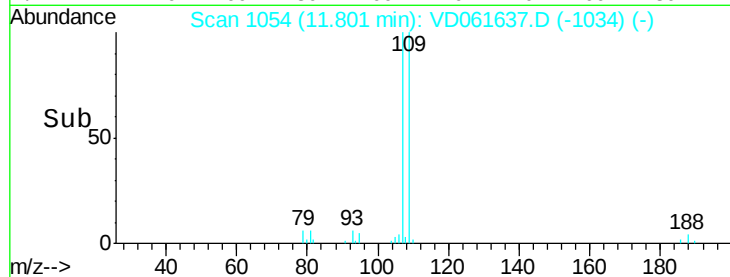
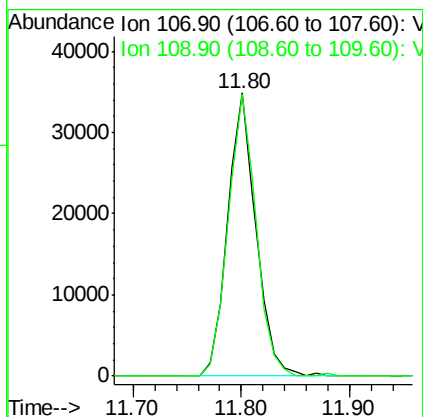
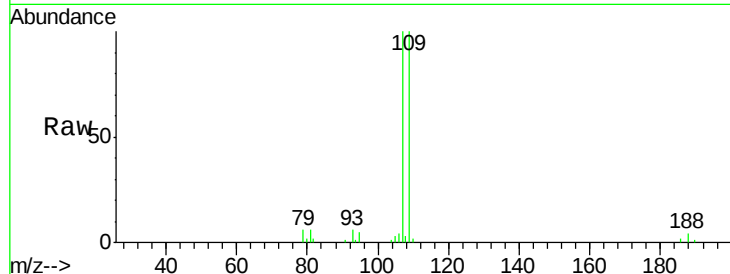




#61
 1,2-Dibromoethane
 Concen: 10.828 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

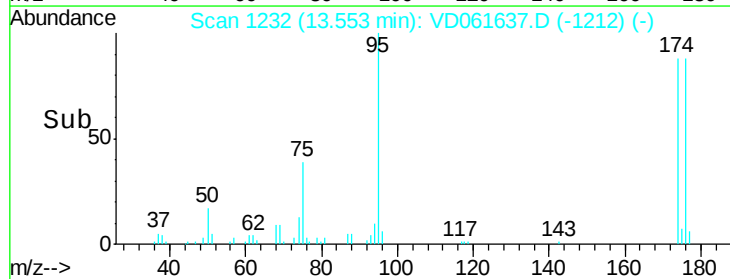
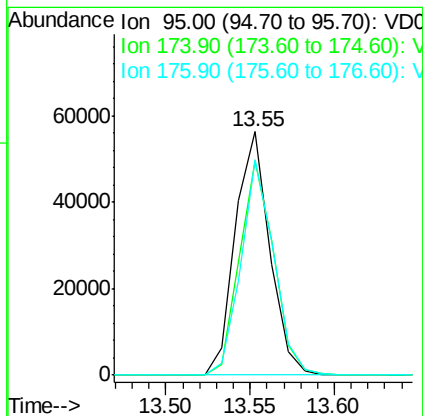
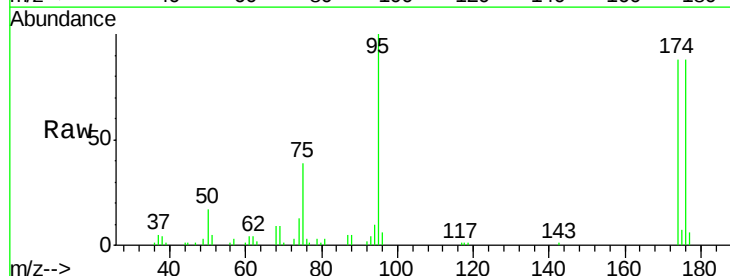
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

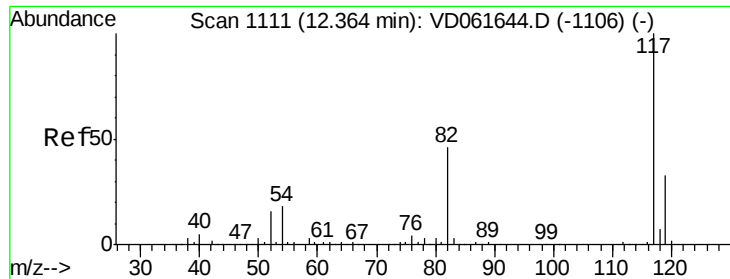
Tot Ion:107 Resp: 63395
 Ion Ratio Lower Upper
 107 100
 109 99.8 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 10.828 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 95 Resp: 79922
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 164.6
 176 88.3 0.0 165.0

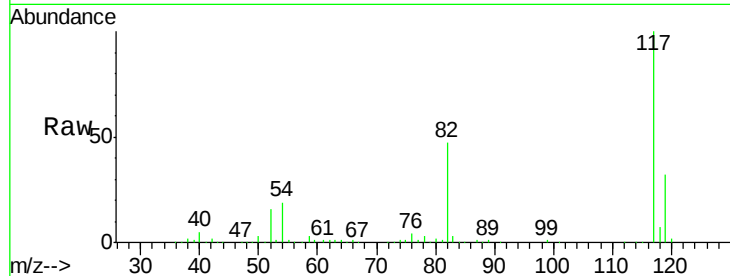




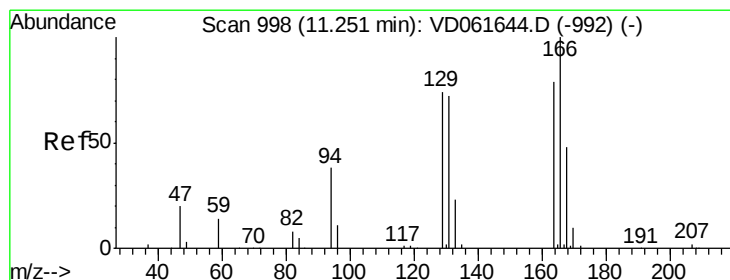
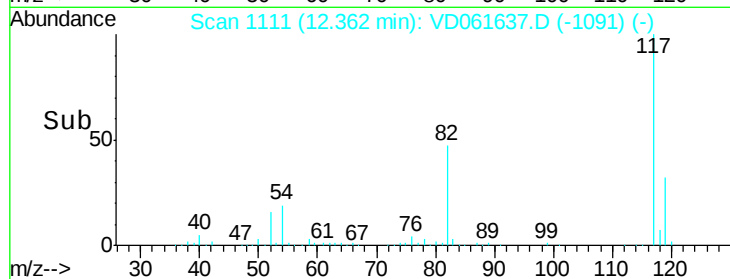
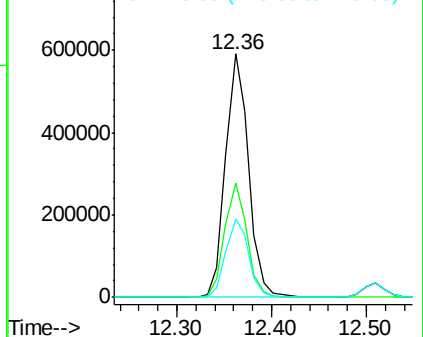
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 992082
Ion Ratio Lower Upper
117 100
82 47.1 36.8 55.2
119 32.2 26.1 39.1

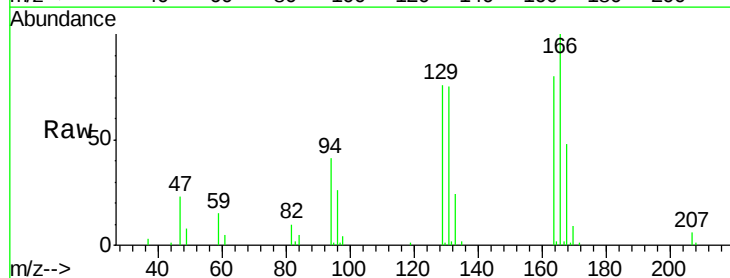


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

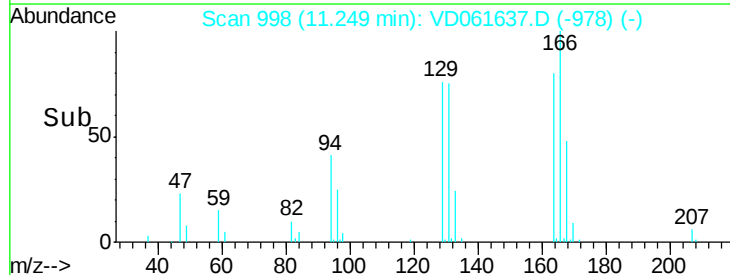
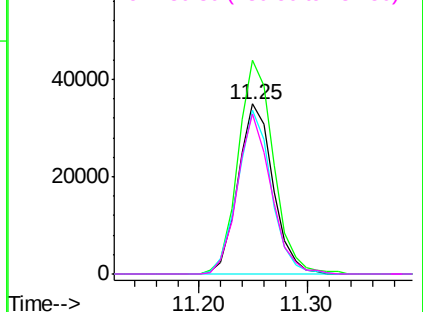


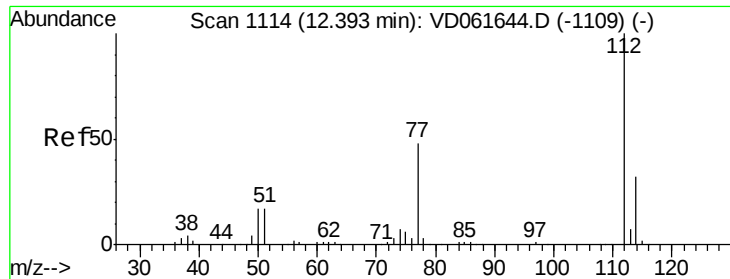
#64
Tetrachloroethene
Concen: 10.367 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion:164 Resp: 78484
Ion Ratio Lower Upper
164 100
166 125.5 101.8 152.8
129 96.0 75.4 113.0
131 93.9 73.6 110.4



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

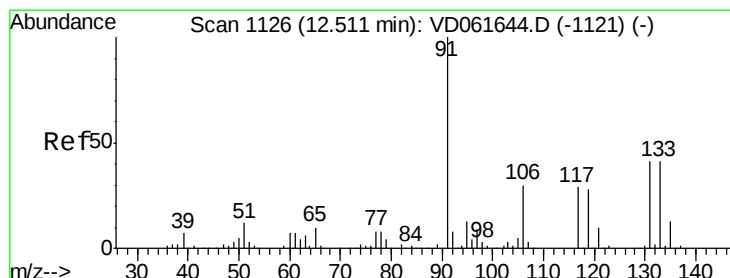
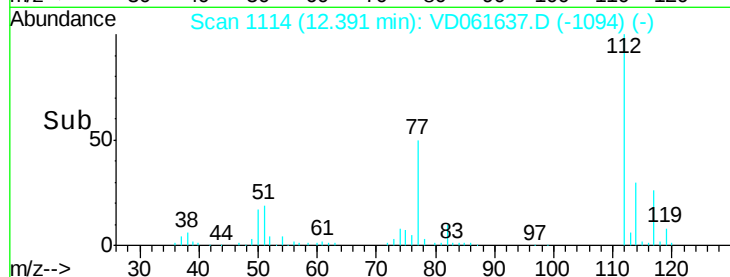
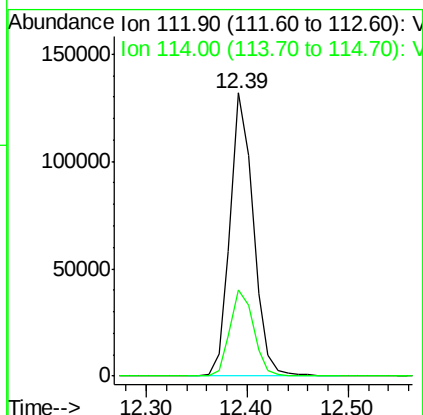
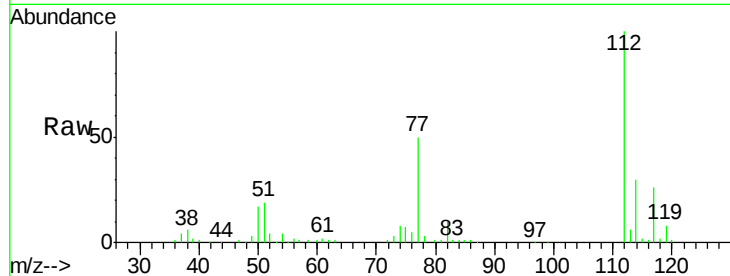




#65
Chlorobenzene
Concen: 10.799 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

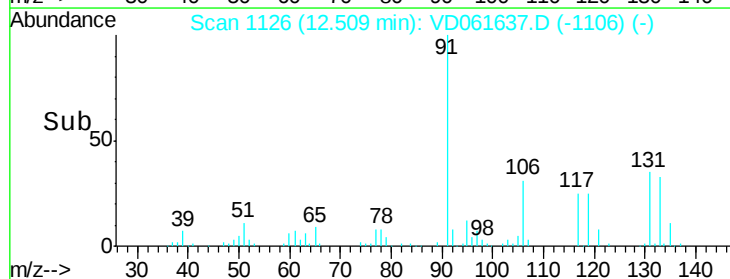
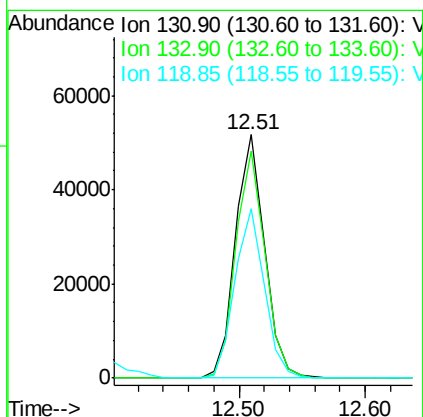
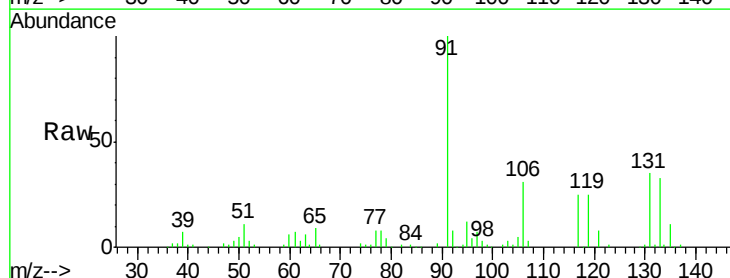
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

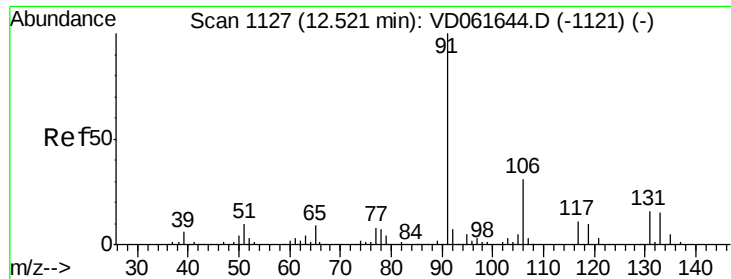
Tot Ion:112 Resp: 211210
Ion Ratio Lower Upper
112 100
114 30.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 10.624 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion:131 Resp: 82634
Ion Ratio Lower Upper
131 100
133 93.5 49.5 148.3
119 69.8 34.7 104.1

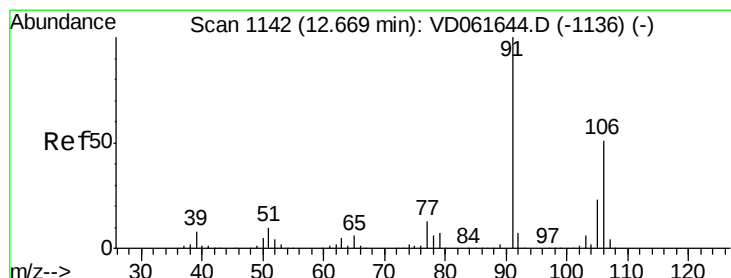
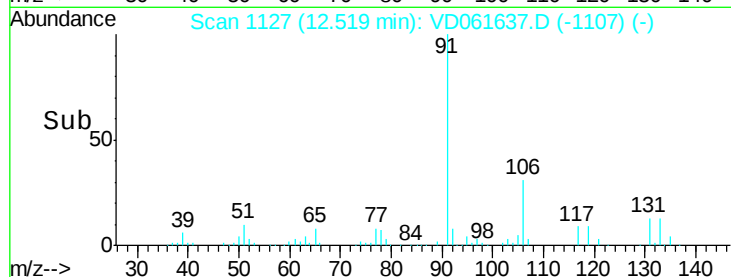
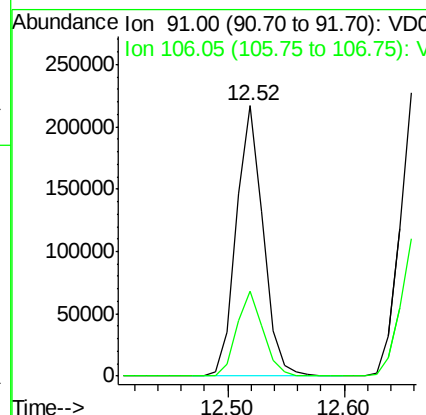
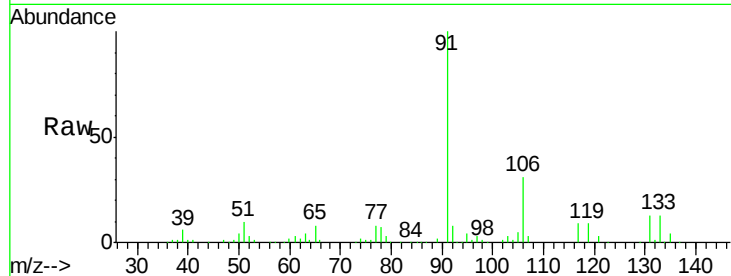




#67
Ethyl Benzene
Concen: 11.057 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

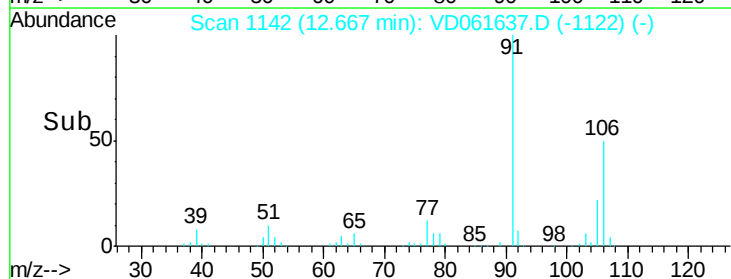
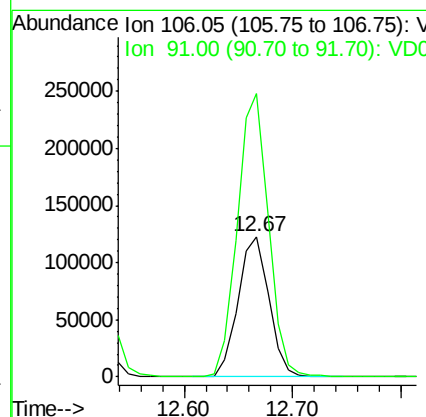
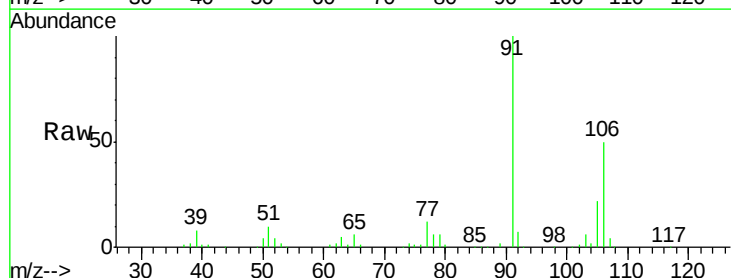
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

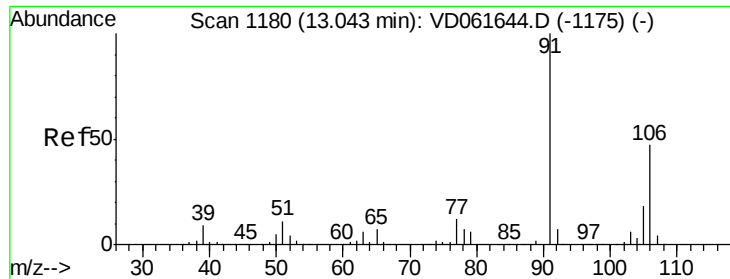
Tot Ion: 91 Resp: 344479
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 21.177 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 106 Resp: 243702
Ion Ratio Lower Upper
106 100
91 201.2 156.7 235.1

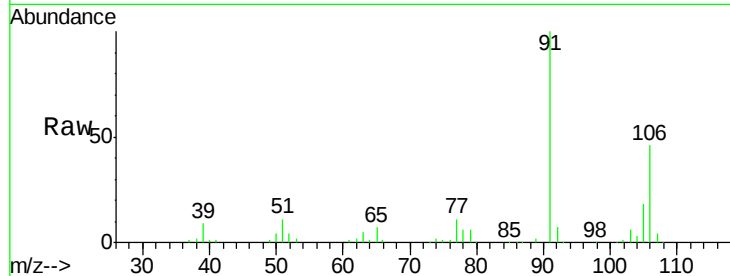




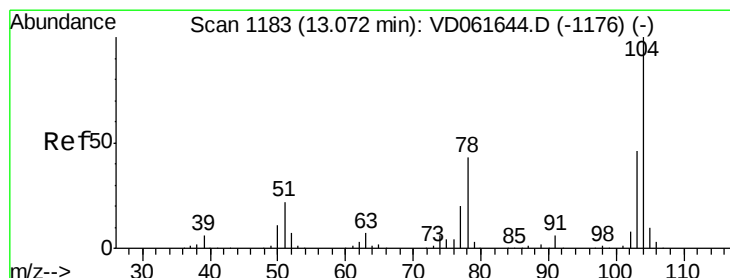
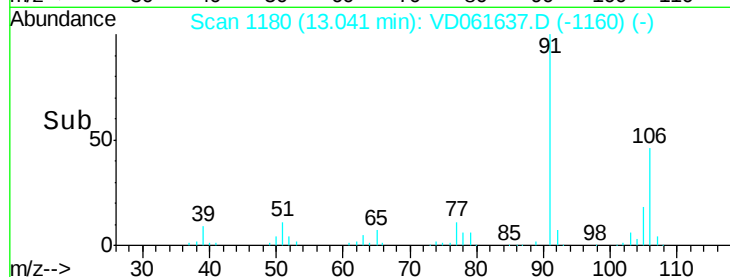
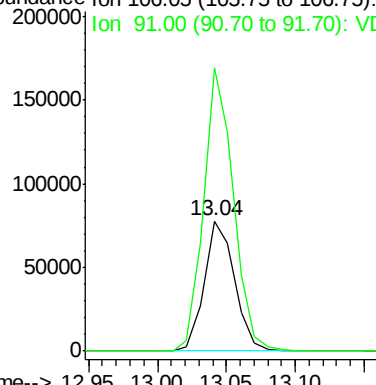
#69
o-Xylene
Concen: 10.712 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 119218
Ion Ratio Lower Upper
106 100
91 217.9 107.3 321.9

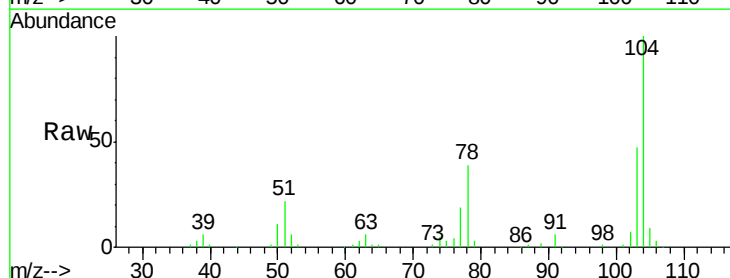


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

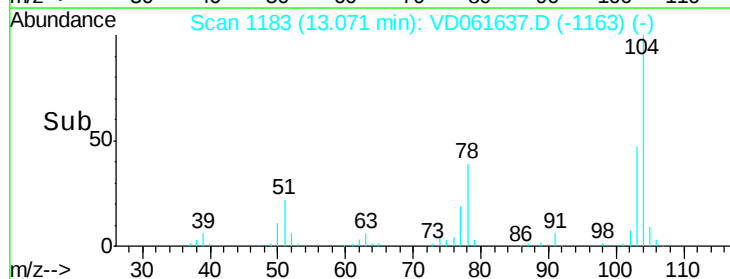
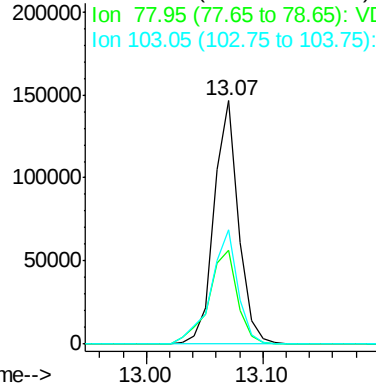


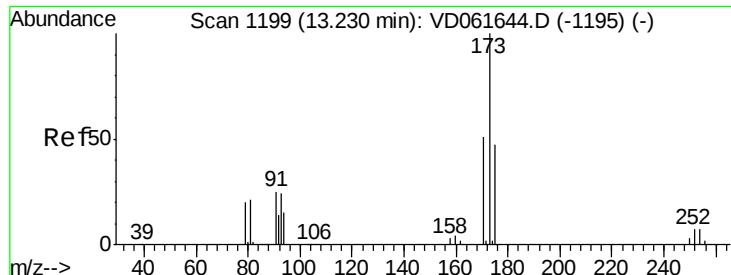
#70
Styrene
Concen: 11.120 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion:104 Resp: 211933
Ion Ratio Lower Upper
104 100
78 38.6 34.2 51.4
103 46.8 37.2 55.8



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: 9.826 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

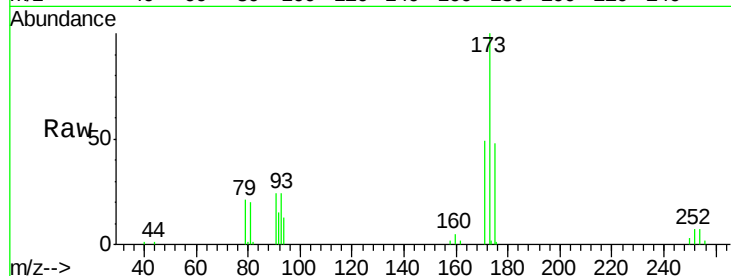
Tot Ion:173 Resp: 45608

Ion Ratio Lower Upper

173 100

175 47.5 23.7 71.1

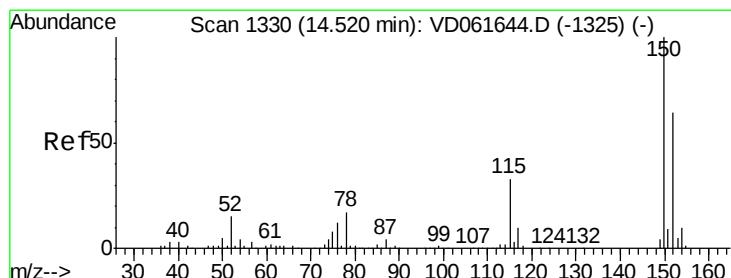
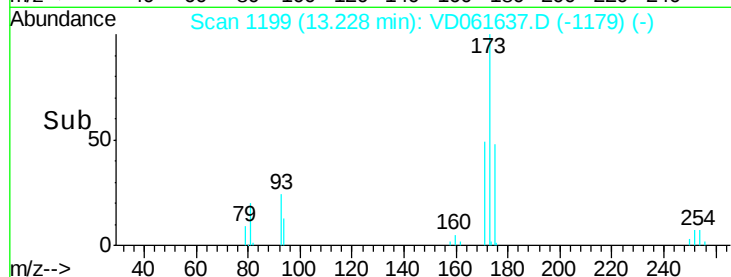
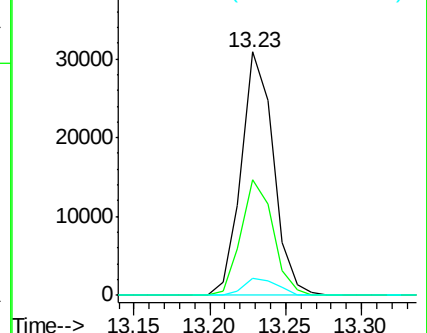
254 7.2 5.8 8.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

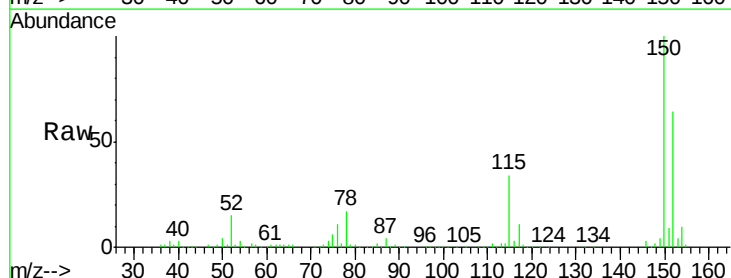
Tgt Ion:152 Resp: 441012

Ion Ratio Lower Upper

152 100

115 53.3 26.4 79.2

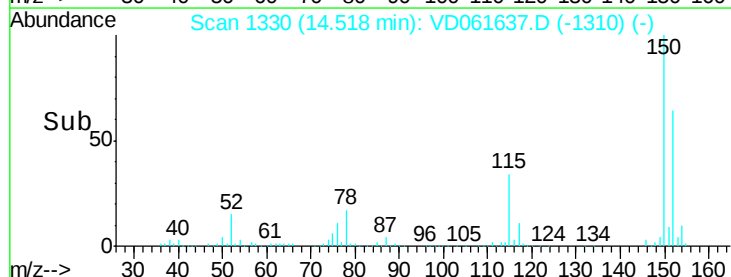
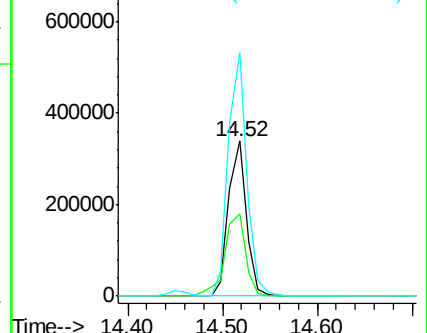
150 156.8 0.0 320.6



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: 10.877 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

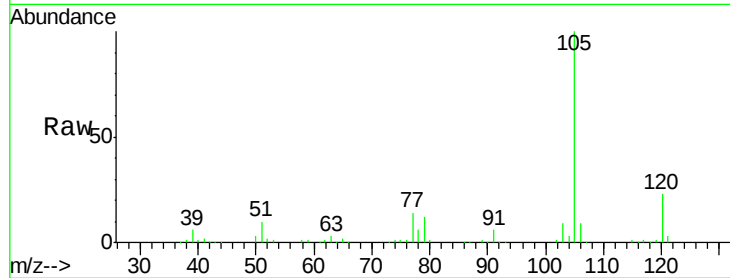
VSTDIC010

Tot Ion:105 Resp: 322854

Ion Ratio Lower Upper

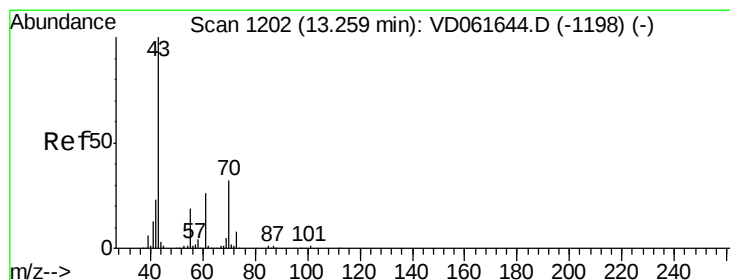
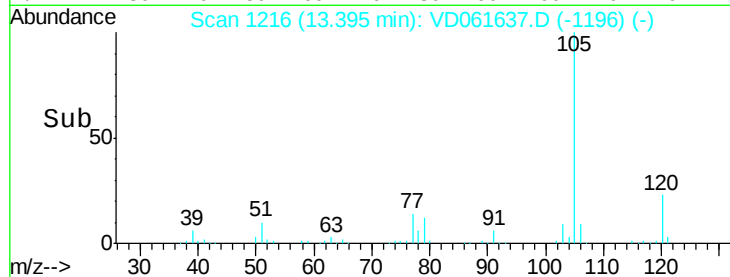
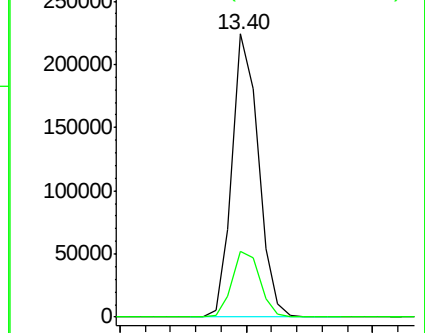
105 100

120 23.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.964 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Tgt Ion: 43 Resp: 79933

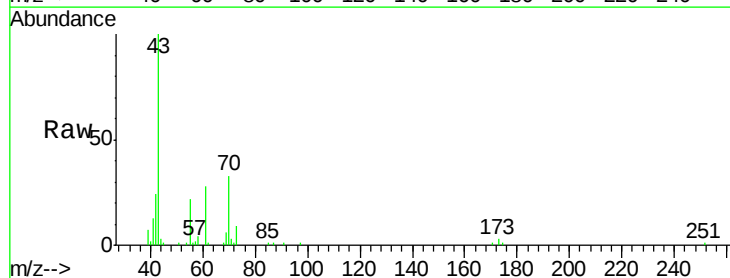
Ion Ratio Lower Upper

43 100

70 32.8 25.4 38.2

55 22.2 15.0 22.4

61 27.7 20.9 31.3

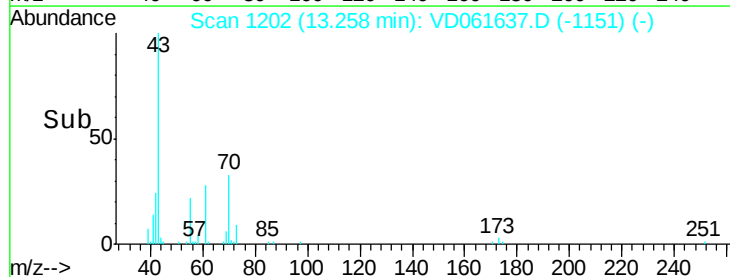
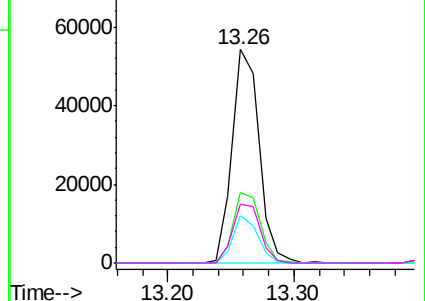


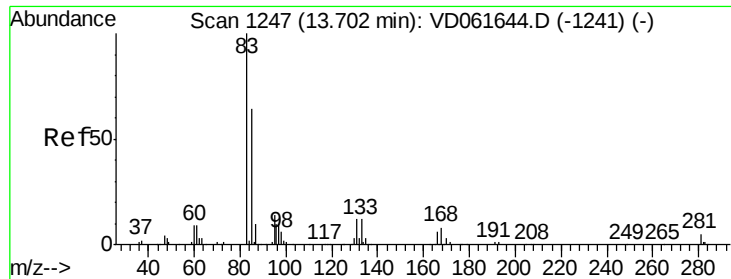
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 10.723 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

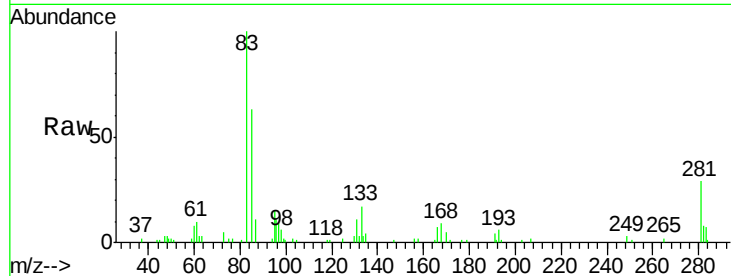
Tot Ion: 83 Resp: 63642

Ion Ratio Lower Upper

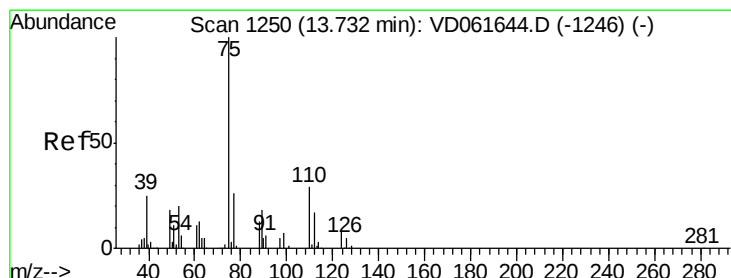
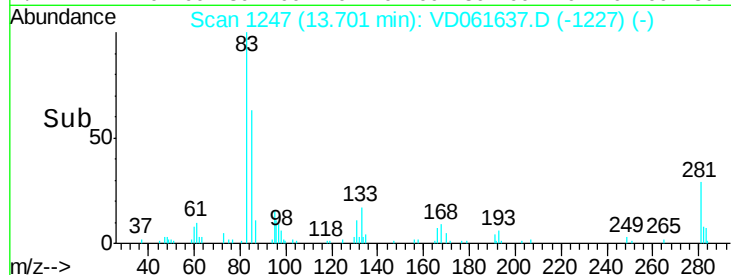
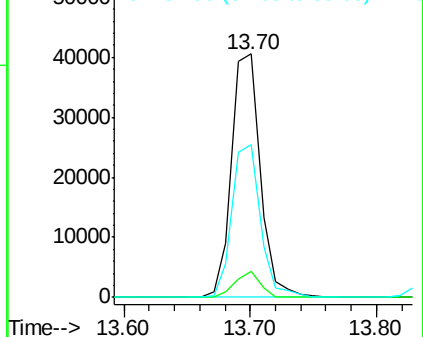
83 100

131 10.9 5.9 17.6

85 62.8 32.0 96.2



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: 10.453 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061637.D

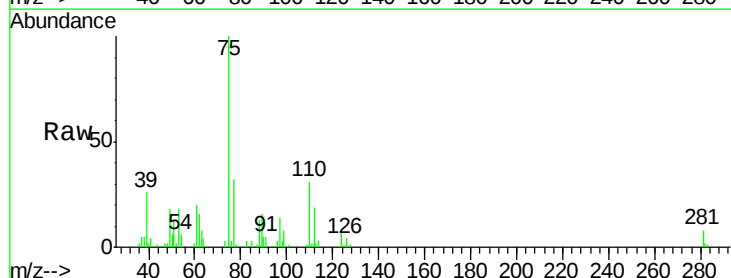
Acq: 6 Apr 2019 12:07

Tgt Ion: 75 Resp: 61861

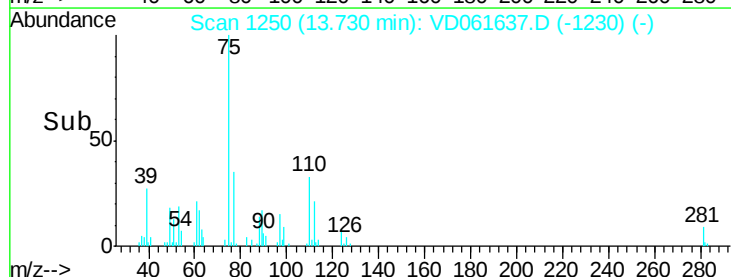
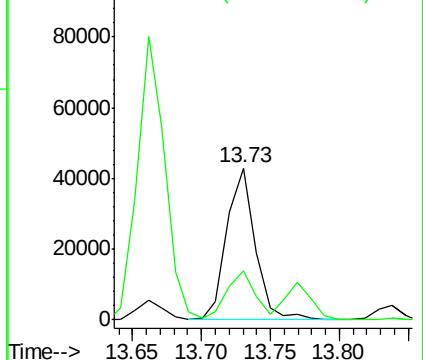
Ion Ratio Lower Upper

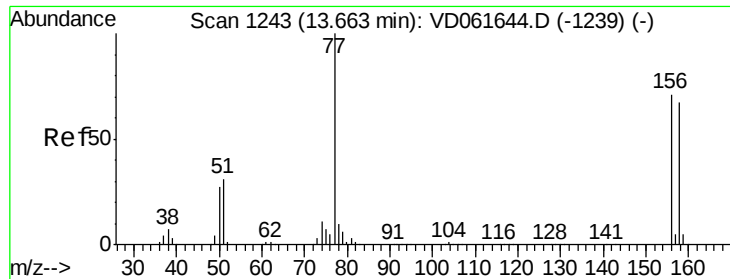
75 100

77 32.5 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

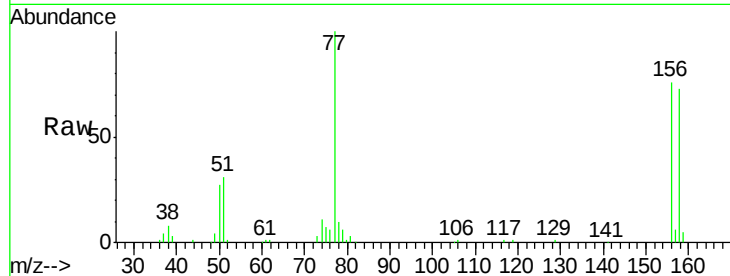




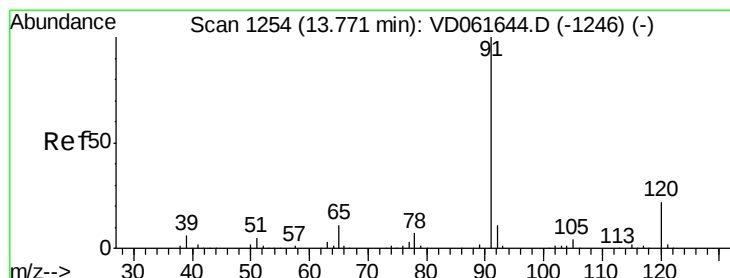
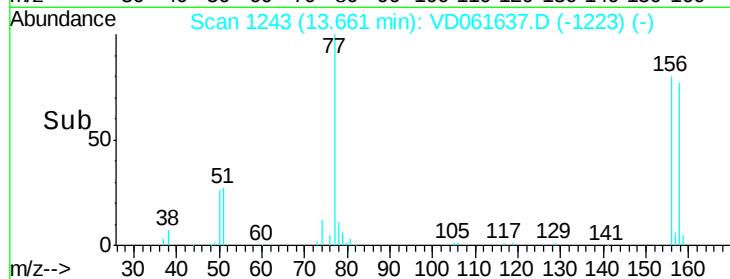
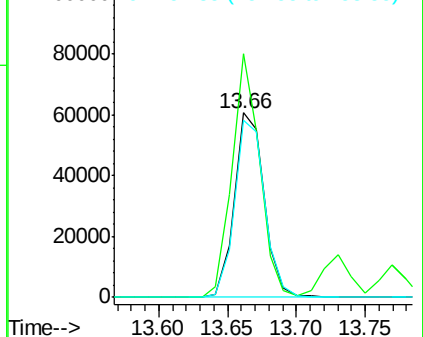
#77
Bromobenzene
Concen: 10.473 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:156 Resp: 91074
Ion Ratio Lower Upper
156 100
77 132.2 70.3 210.8
158 95.9 47.4 142.2

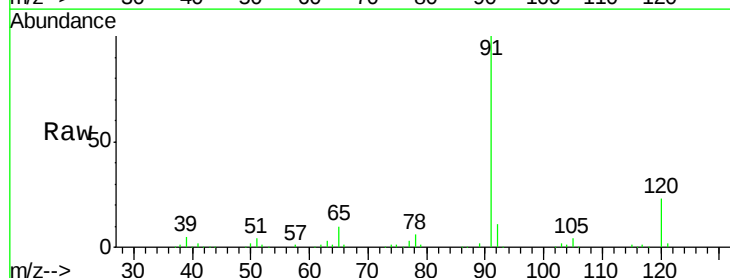


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

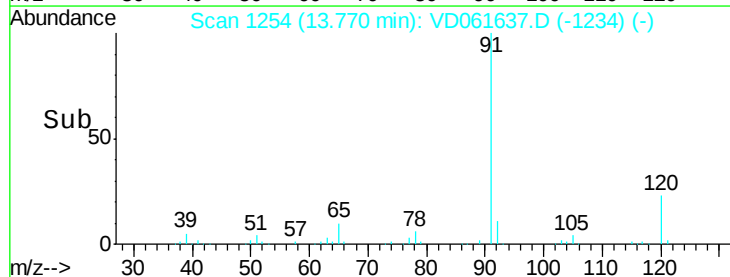
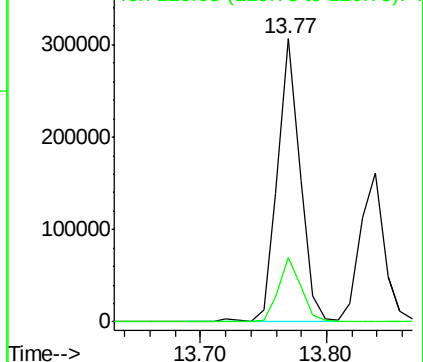


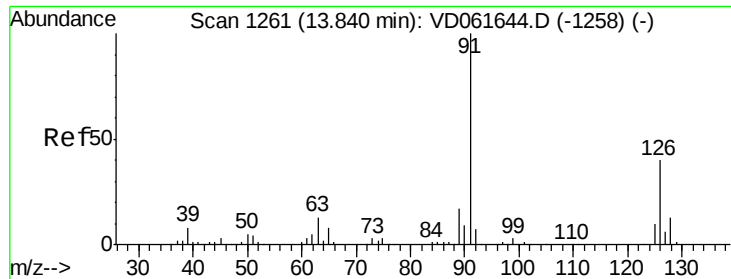
#78
n-propylbenzene
Concen: 11.036 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion: 91 Resp: 385307
Ion Ratio Lower Upper
91 100
120 22.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.616 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

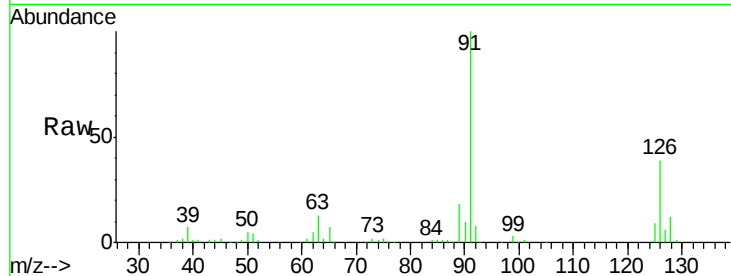
VSTDIC010

Tot Ion: 91 Resp: 211945

Ion Ratio Lower Upper

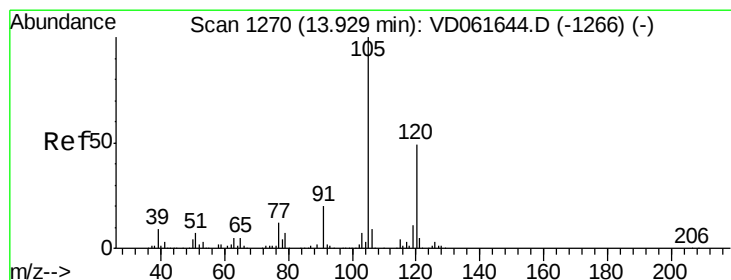
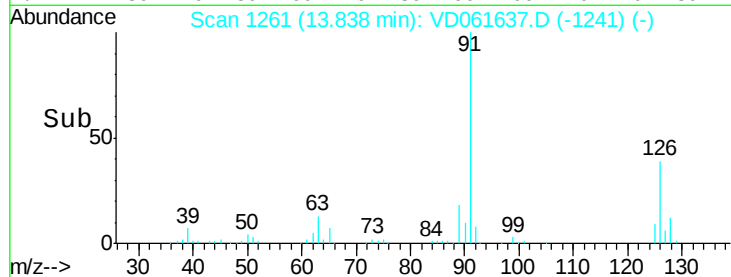
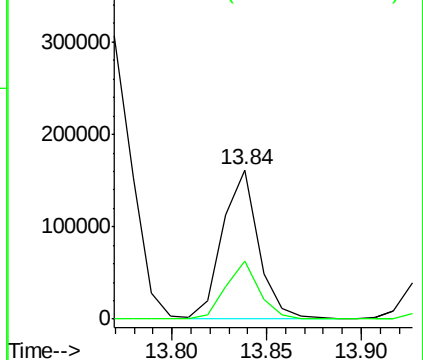
91 100

126 38.9 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 11.565 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061637.D

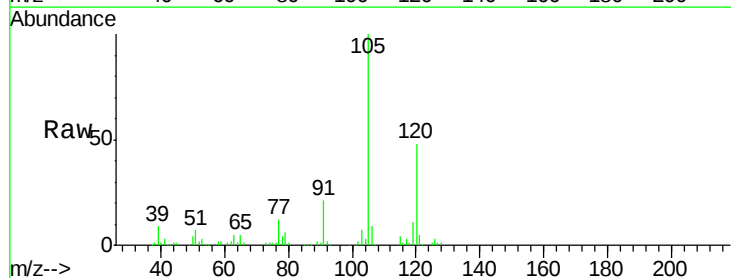
Acq: 6 Apr 2019 12:07

Tgt Ion:105 Resp: 269396

Ion Ratio Lower Upper

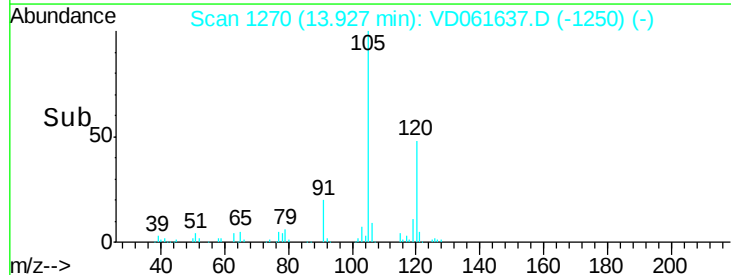
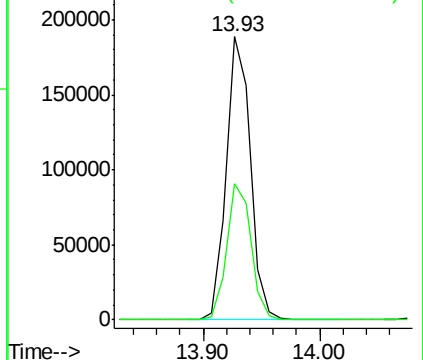
105 100

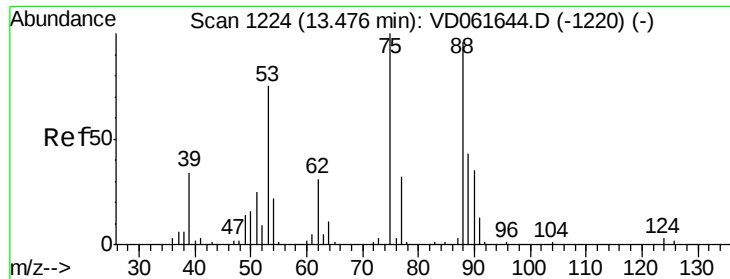
120 48.2 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.196 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

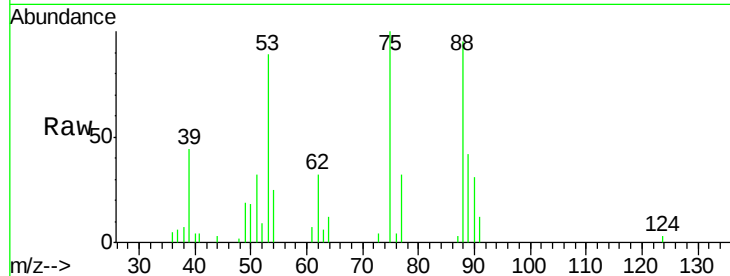
Tot Ion: 75 Resp: 18675

Ion Ratio Lower Upper

75 100

53 89.5 60.2 90.2

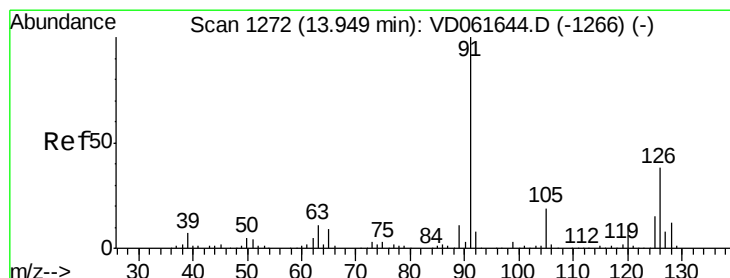
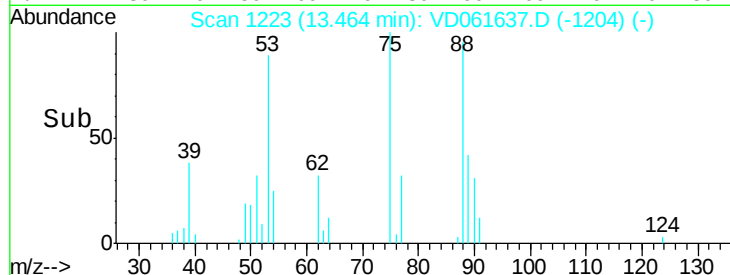
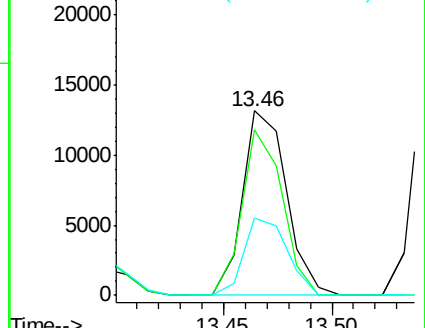
89 42.1 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 11.914 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061637.D

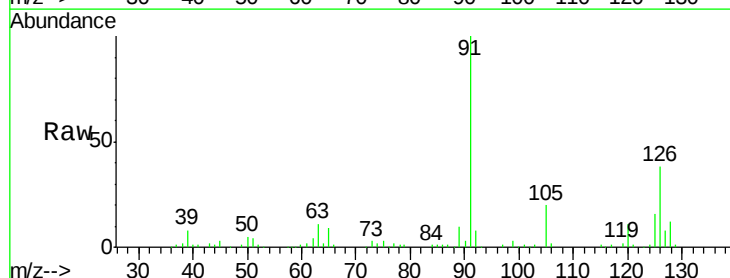
Acq: 6 Apr 2019 12:07

Tgt Ion: 91 Resp: 259895

Ion Ratio Lower Upper

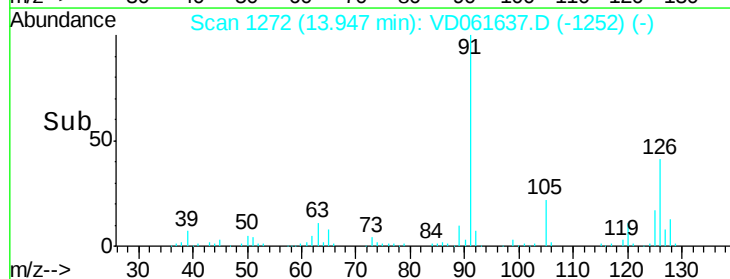
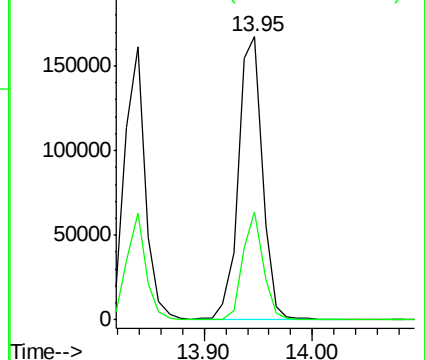
91 100

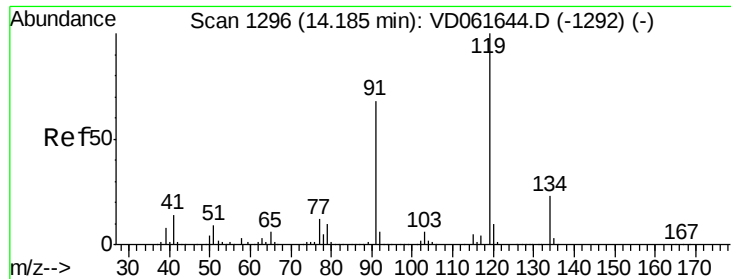
126 38.1 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 10.984 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

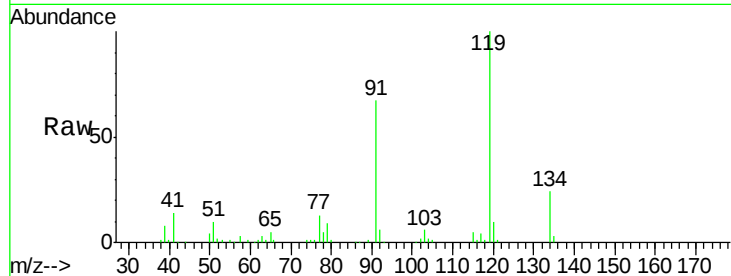
Tot Ion:119 Resp: 306113

Ion Ratio Lower Upper

119 100

91 66.7 33.9 101.6

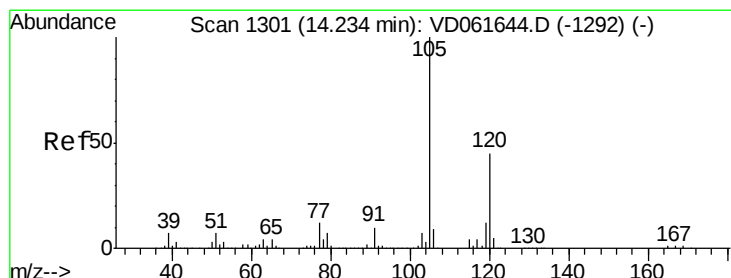
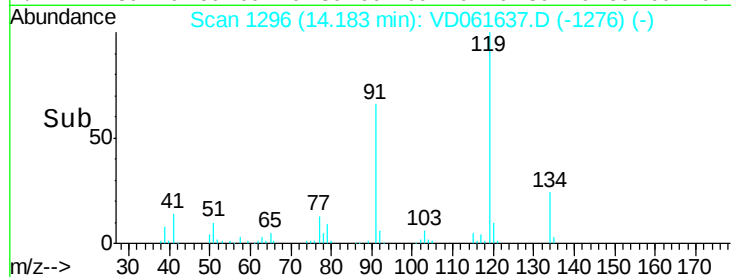
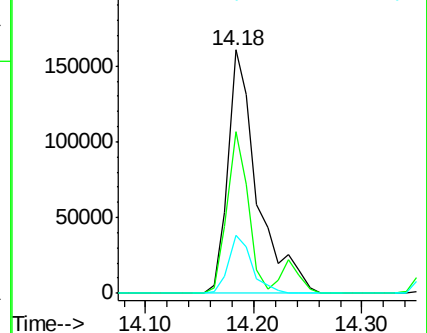
134 23.9 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.396 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061637.D

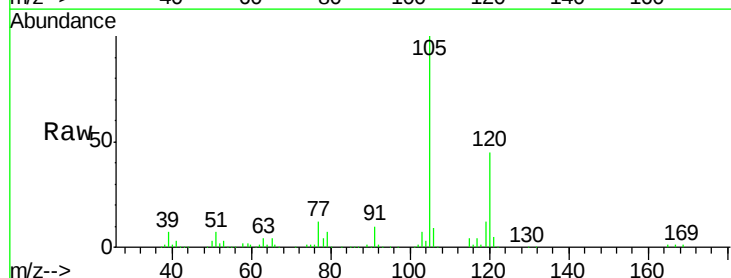
Acq: 6 Apr 2019 12:07

Tgt Ion:105 Resp: 272806

Ion Ratio Lower Upper

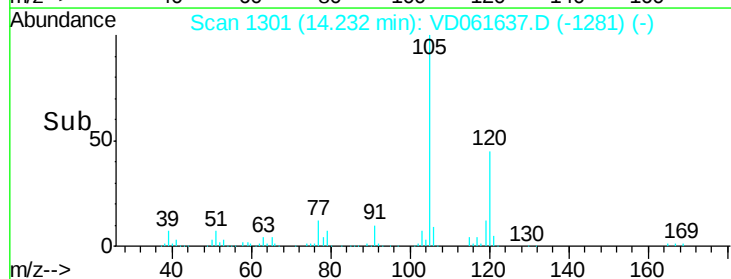
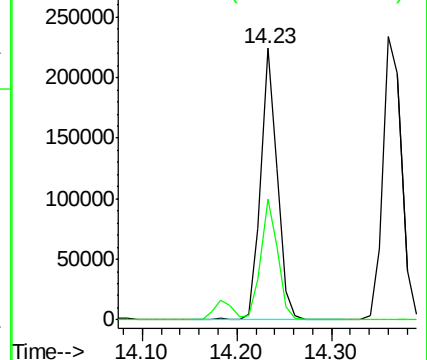
105 100

120 44.7 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

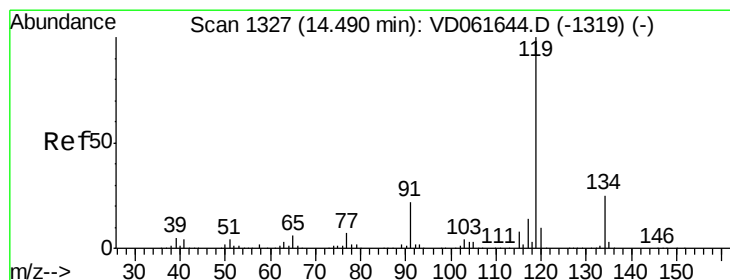
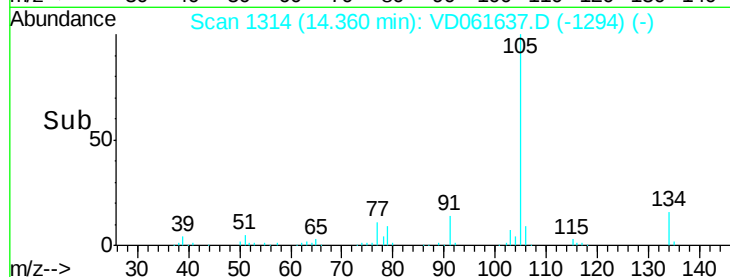
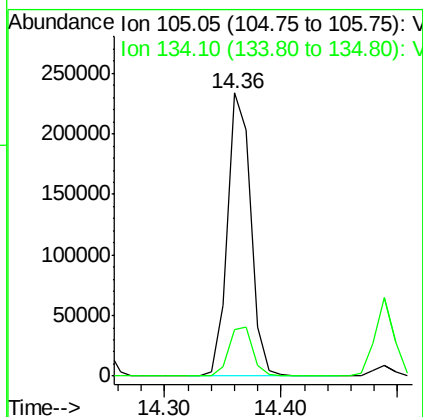
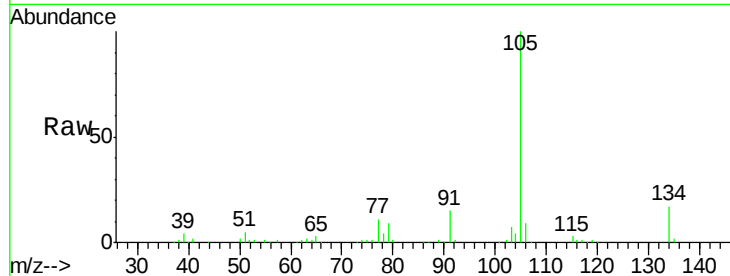




#85
 sec-Butylbenzene
 Concen: 10.866 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

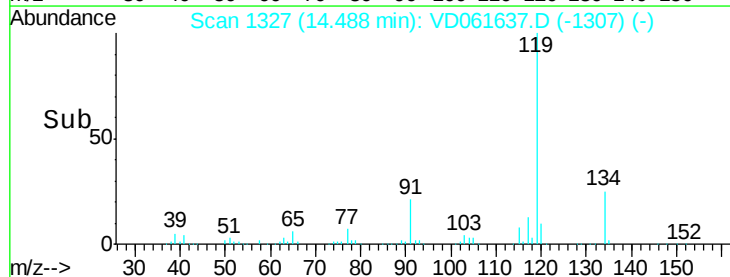
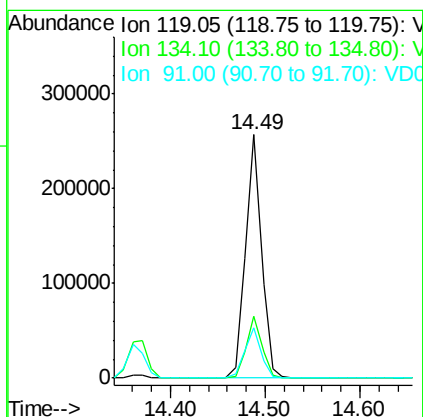
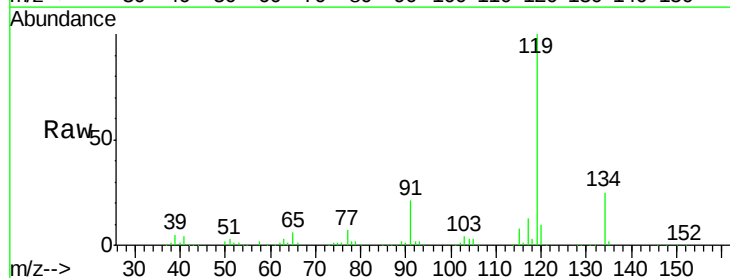
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

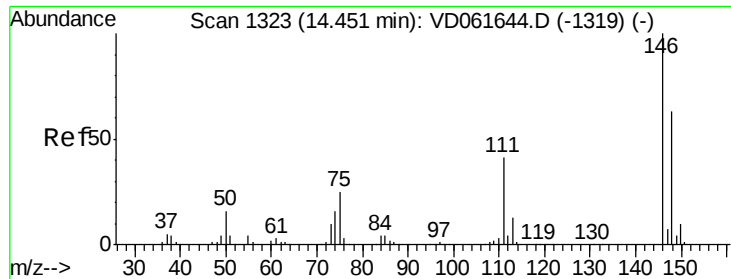
Tot Ion:105 Resp: 323439
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 10.923 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion:119 Resp: 299962
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 20.9 11.0 33.0

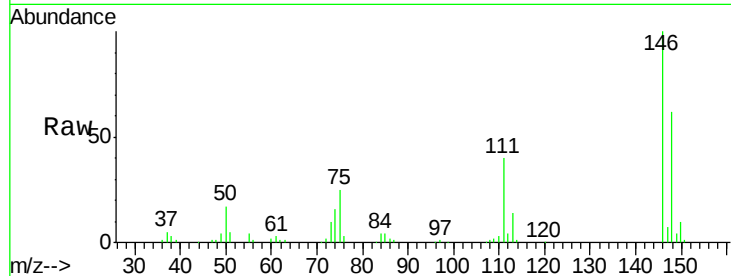




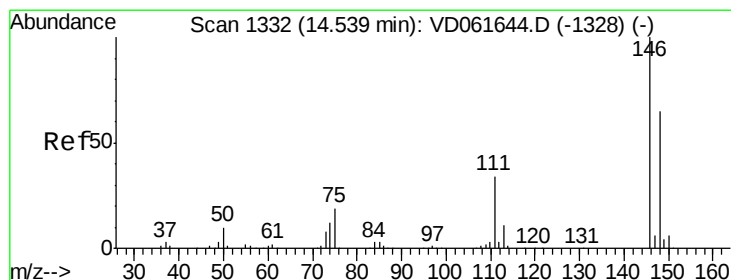
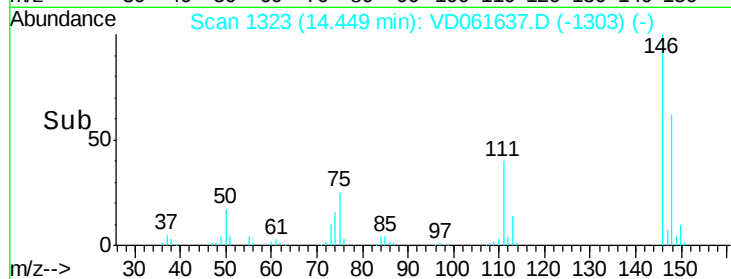
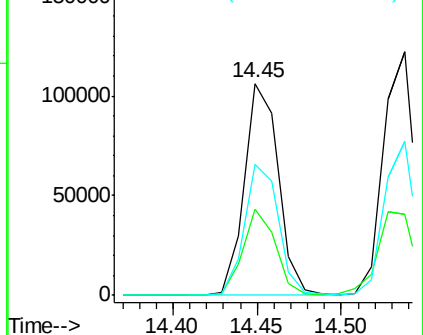
#87
 1,3-Dichlorobenzene
 Concen: 10.077 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 149234
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 61.0
 148 61.6 31.7 95.1

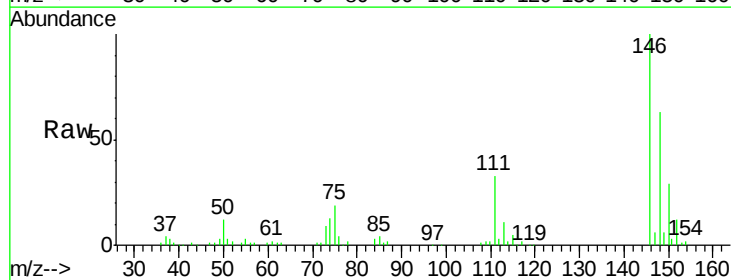


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

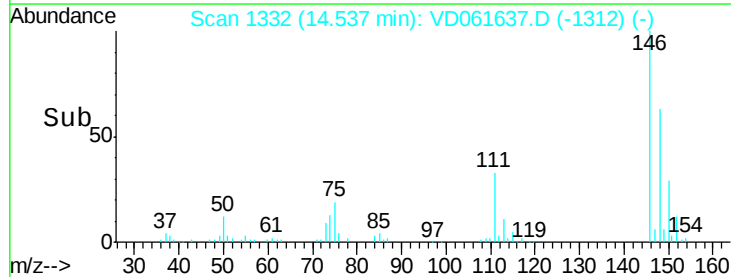
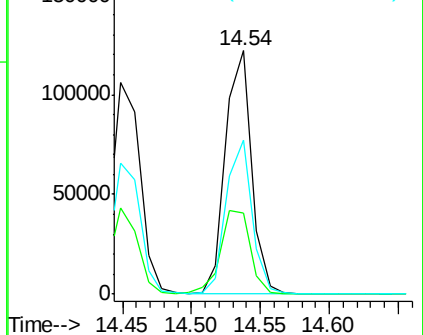


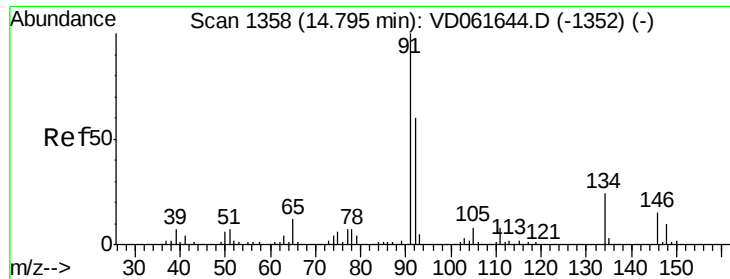
#88
 1,4-Dichlorobenzene
 Concen: 10.993 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion:146 Resp: 161259
 Ion Ratio Lower Upper
 146 100
 111 33.2 17.1 51.2
 148 63.5 32.6 97.7



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





#89

n-Butylbenzene

Concen: 11.391 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061637.D

Acq: 6 Apr 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

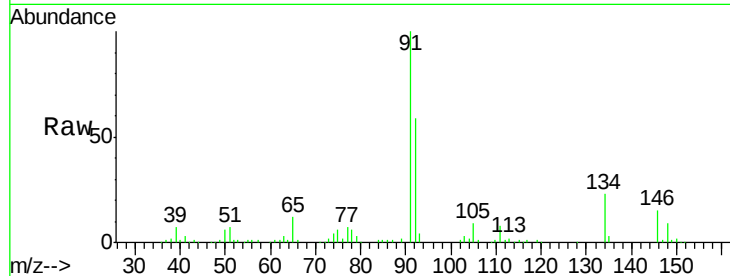
Tot Ion: 91 Resp: 268543

Ion Ratio Lower Upper

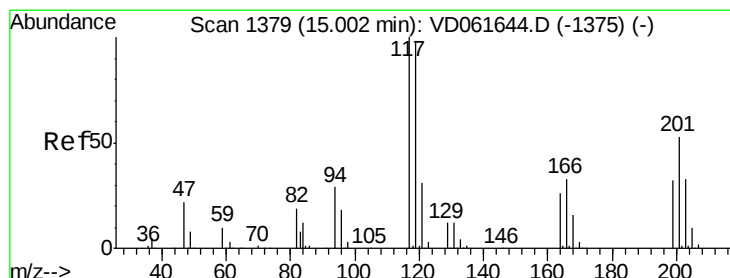
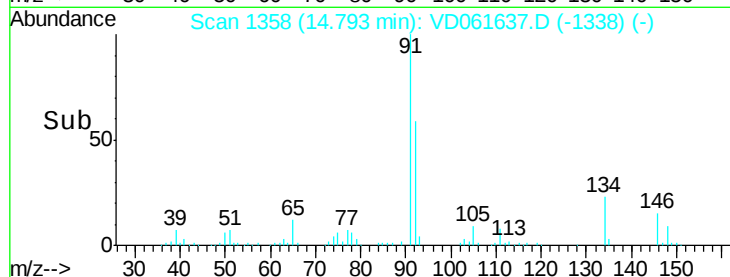
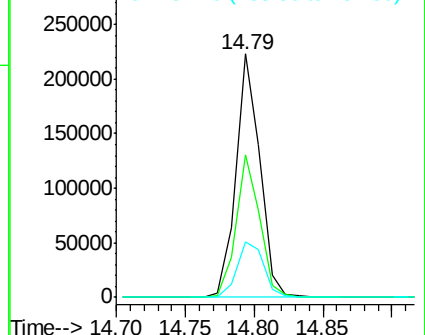
91 100

92 58.8 29.8 89.4

134 22.7 12.2 36.4



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: 10.313 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061637.D

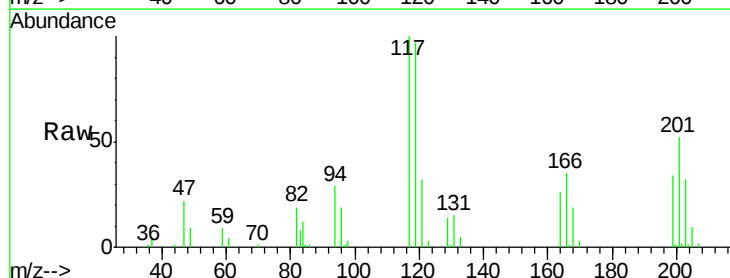
Acq: 6 Apr 2019 12:07

Tgt Ion: 117 Resp: 73108

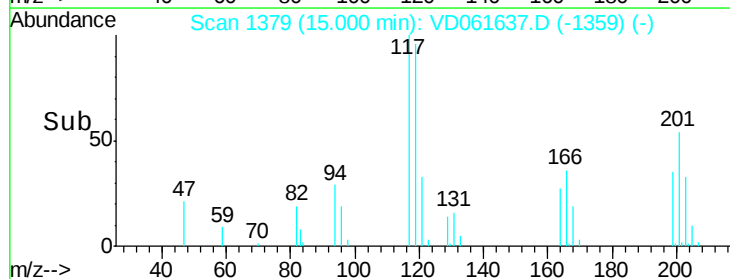
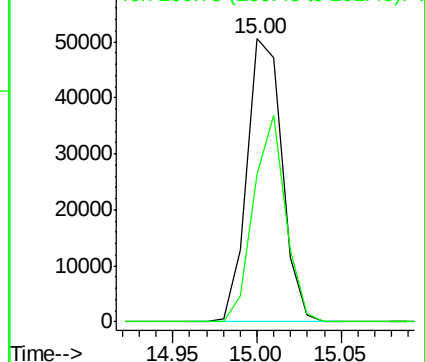
Ion Ratio Lower Upper

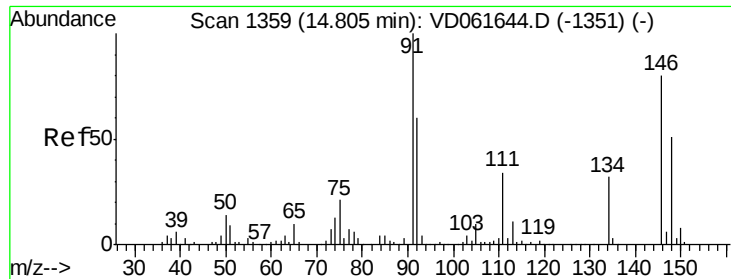
117 100

201 52.2 26.3 78.8



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

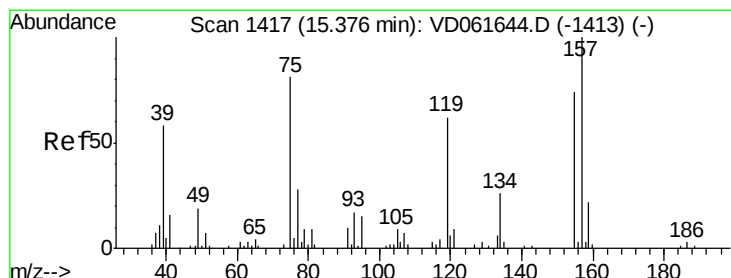
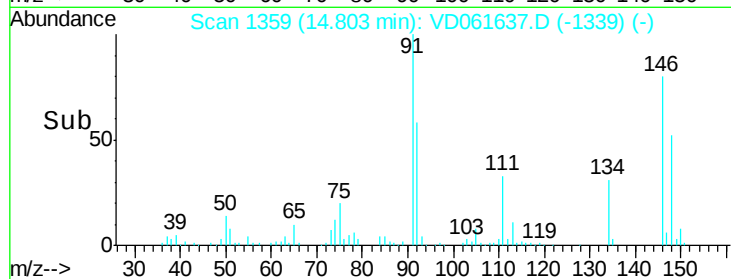
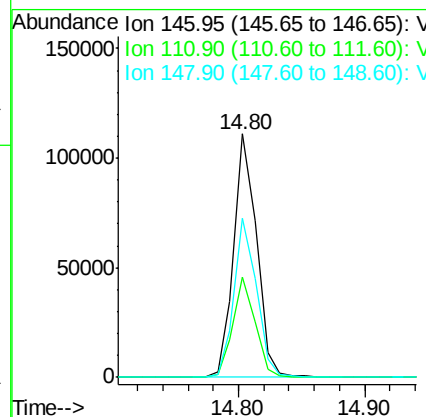
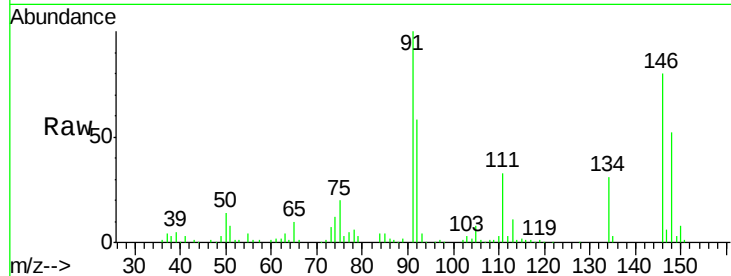




#91
 1,2-Dichlorobenzene
 Concen: 11.387 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

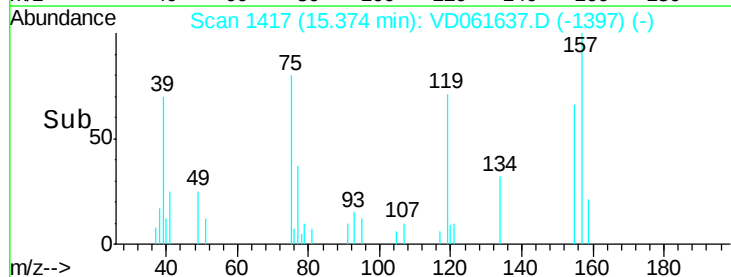
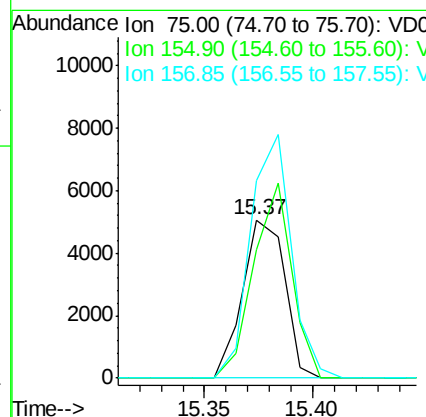
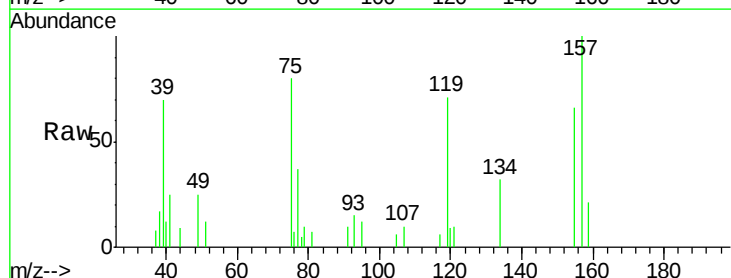
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

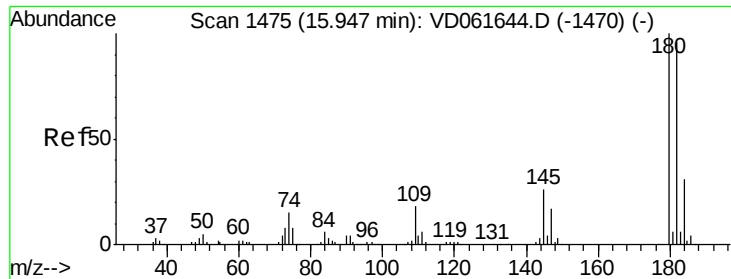
Tot Ion:146 Resp: 138290
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.3
 148 65.3 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.242 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion: 75 Resp: 6863
 Ion Ratio Lower Upper
 75 100
 155 81.6 45.6 136.7
 157 124.6 61.4 184.2

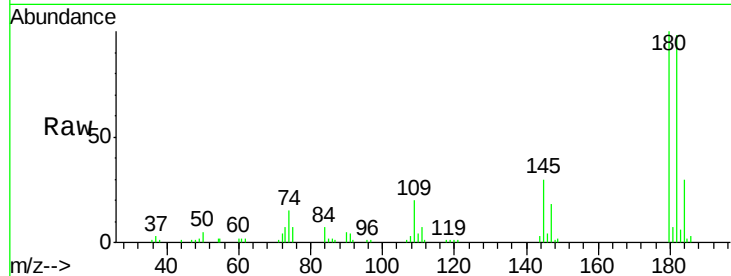




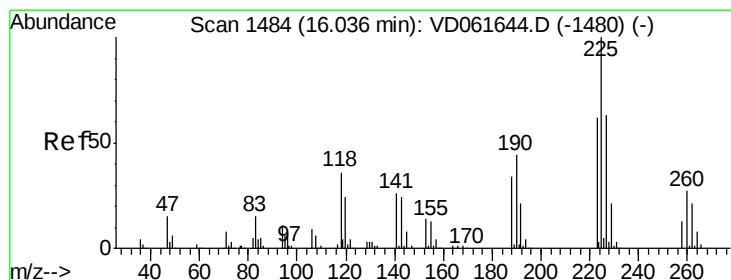
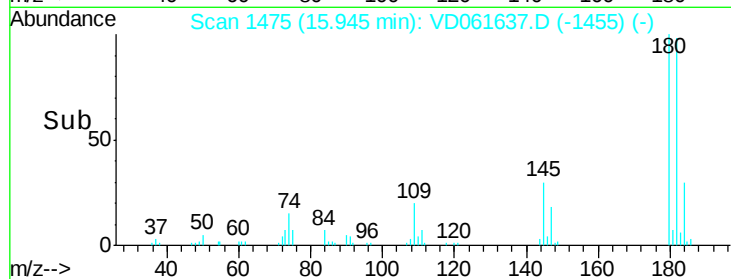
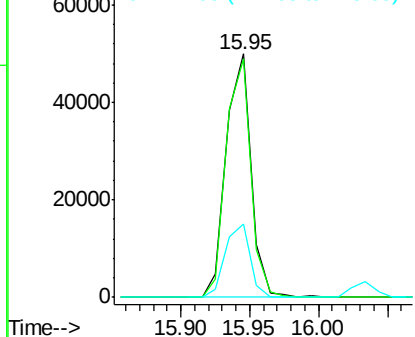
#93
 1,2,4-Trichlorobenzene
 Concen: 10.164 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 62444
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.8 143.3
 145 29.9 13.3 39.8

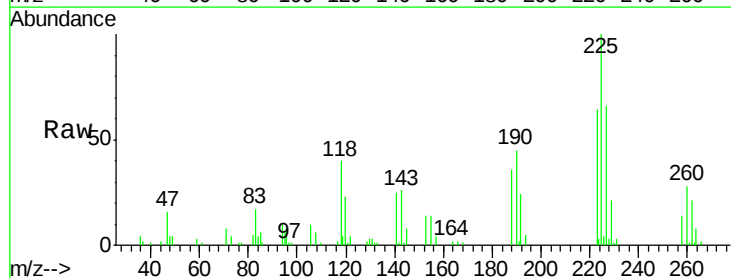


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

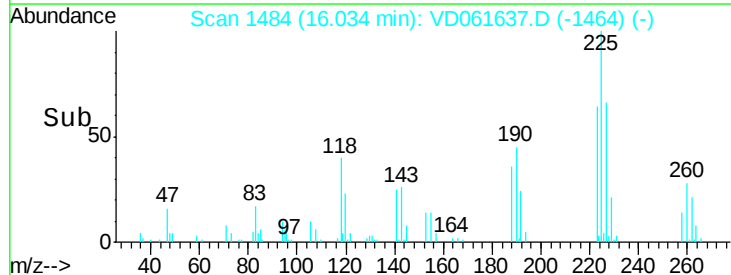
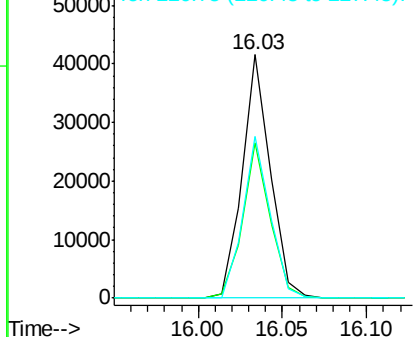


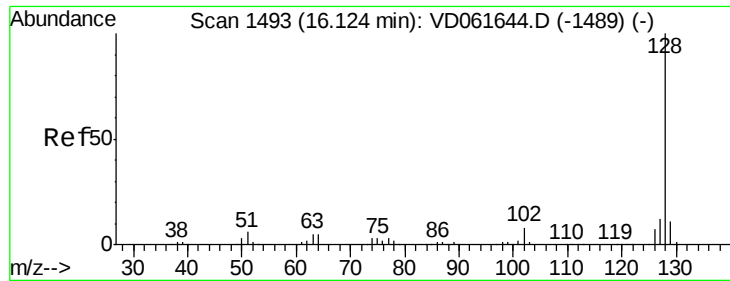
#94
 Hexachlorobutadiene
 Concen: 10.102 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061637.D
 Acq: 6 Apr 2019 12:07

Tgt Ion:225 Resp: 47757
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.8 92.3
 227 66.4 31.5 94.5



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

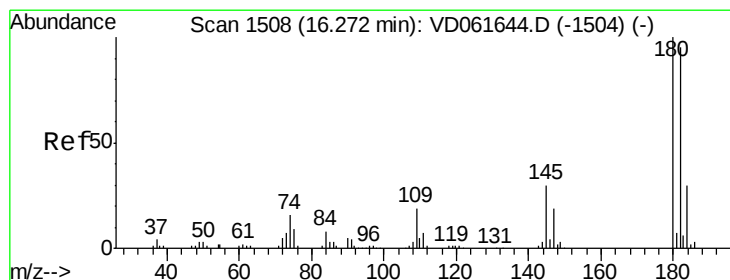
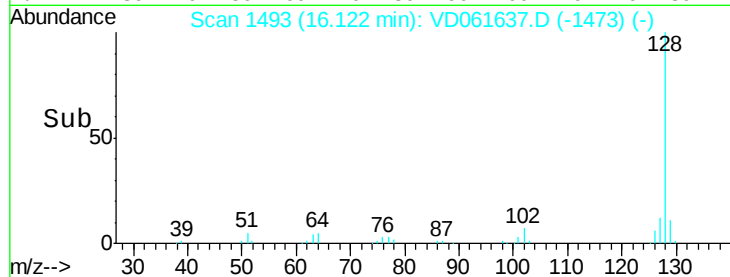
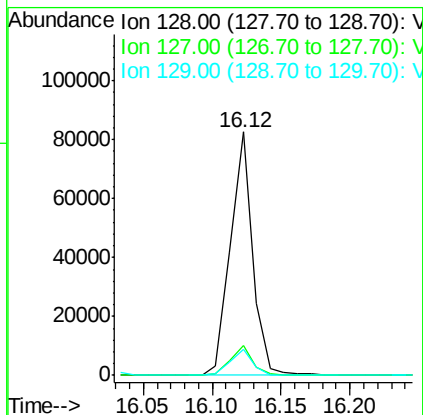
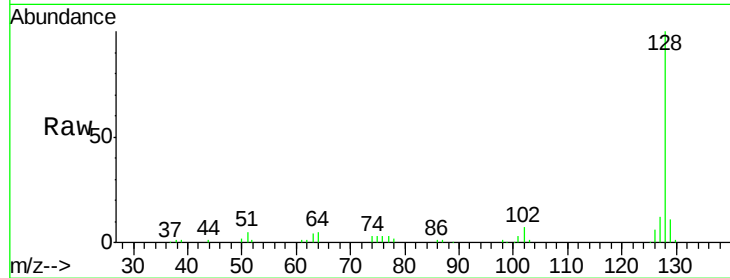




#95
Naphthalene
Concen: 9.525 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 92298
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 9.883 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061637.D
Acq: 6 Apr 2019 12:07

Tgt Ion:180 Resp: 30066
Ion Ratio Lower Upper
180 100
182 96.4 47.3 142.0
145 29.6 15.1 45.3

