

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061353.D
 Acq On : 27 Mar 2019 14:02
 Operator : VA/AP
 Sample : VSTICCC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC100

Quant Time: Mar 28 01:56:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 01:47:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	699793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1211249	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	973618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	377581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	607650	101.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.70%	
35) Dibromofluoromethane	6.90	113	949040	102.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.02%	
50) Toluene-d8	10.39	98	2150056	96.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.74%	
62) 4-Bromofluorobenzene	13.54	95	800977	94.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	773724	103.728	ug/l	99
3) Chloromethane	1.75	50	649001	106.689	ug/l	98
4) Vinyl Chloride	1.85	62	548566	98.212	ug/l	97
5) Bromomethane	2.14	94	101233	89.609	ug/l	98
6) Chloroethane	2.25	64	141293	86.255	ug/l	99
7) Trichlorofluoromethane	2.52	101	751872	92.365	ug/l	98
8) Diethyl Ether	2.87	74	275218	105.241	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	891228	101.960	ug/l	97
10) Methyl Iodide	3.29	142	1402041	121.398	ug/l	99
11) Tert butyl alcohol	4.05	59	191337	514.900	ug/l	98
12) 1,1-Dichloroethene	3.12	96	760787	101.316	ug/l	98
13) Acrolein	3.03	56	133138	416.822	ug/l	99
14) Allyl chloride	3.61	41	1129333	107.934	ug/l	97
15) Acrylonitrile	4.17	53	643449	498.916	ug/l	97
16) Acetone	3.22	43	743979	481.804	ug/l	100
17) Carbon Disulfide	3.36	76	2517265	103.185	ug/l	98
18) Methyl Acetate	3.62	43	320407	99.362	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	1318316	101.515	ug/l	98
20) Methylene Chloride	3.80	84	869958	88.990	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	806351	99.448	ug/l	98
22) Diisopropyl ether	5.10	45	2281026	102.956	ug/l	99
23) Vinyl Acetate	5.04	43	6097580	504.899	ug/l	100
24) 1,1-Dichloroethane	4.96	63	1330963	102.166	ug/l	99
25) 2-Butanone	6.04	43	970647	503.055	ug/l	98
26) 2,2-Dichloropropane	6.00	77	1013048	97.962	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	867798	97.853	ug/l	95
28) Bromochloromethane	6.41	49	540047	102.876	ug/l #	93
29) Tetrahydrofuran	6.43	42	490498	524.486	ug/l	99
30) Chloroform	6.64	83	1369871	101.944	ug/l	100
31) Cyclohexane	6.93	56	1019666	99.223	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	1215113	102.501	ug/l	97
36) 1,1-Dichloropropene	7.12	75	1099749	104.025	ug/l	99
37) Ethyl Acetate	6.16	43	457251	101.195	ug/l	99
38) Carbon Tetrachloride	7.08	117	1271948	103.506	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	1080867	98.170	ug/l	99
40) Benzene	7.43	78	2599414	97.975	ug/l	96
41) Methacrylonitrile	6.41	41	539468	102.012	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	801298	100.967	ug/l	98
43) Isopropyl Acetate	9.21	43	675477	102.684	ug/l #	97
44) Trichloroethene	8.51	130	1030214	104.340	ug/l	96
45) 1,2-Dichloropropane	8.91	63	689808	102.534	ug/l	98
46) Dibromomethane	9.03	93	478289	105.625	ug/l	94
47) Bromodichloromethane	9.35	83	1037036	102.038	ug/l	99
48) Methyl methacrylate	9.09	41	368679	101.552	ug/l	98
49) 1,4-Dioxane	9.05	88	89729	2240.794	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	1943707	485.774	ug/l	99
52) Toluene	10.48	92	1462323	90.344	ug/l	100
53) t-1,3-Dichloropropene	10.88	75	871568	94.388	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	1134114	100.866	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	542824	95.894	ug/l	99
56) Ethyl methacrylate	11.02	69	640552	105.335	ug/l	100
57) 1,3-Dichloropropane	11.39	76	779829	93.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	1372800	463.556	ug/l	99
59) 2-Hexanone	11.51	43	1393724	480.650	ug/l	99
60) Dibromochloromethane	11.66	129	885989	101.528	ug/l	99
61) 1,2-Dibromoethane	11.78	107	652706	99.577	ug/l	100
64) Tetrachloroethene	11.23	164	767205	100.404	ug/l	98
65) Chlorobenzene	12.38	112	1869374	93.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	759179	98.542	ug/l	98
67) Ethyl Benzene	12.51	91	2798517	92.145	ug/l	99
68) m/p-Xylenes	12.65	106	1951659	169.641	ug/l	95
69) o-Xylene	13.03	106	1018820	91.257	ug/l	97
70) Styrene	13.06	104	1656354	85.109	ug/l	97
71) Bromoform	13.22	173	501243	102.636	ug/l	100
73) Isopropylbenzene	13.38	105	2672574	101.699	ug/l	99
74) N-amyl acetate	13.25	43	835348	114.109	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.68	83	620327	111.899	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	612345	112.269	ug/l	99
77) Bromobenzene	13.65	156	833745	107.018	ug/l	96
78) n-propylbenzene	13.76	91	3465246	107.751	ug/l	100
79) 2-Chlorotoluene	13.83	91	1989074	113.890	ug/l	98
80) 1,3,5-Trimethylbenzene	14.22	105	2036945	92.276	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.45	75	203764	122.528	ug/l	96
82) 4-Chlorotoluene	13.94	91	1790993	94.328	ug/l	99
83) tert-Butylbenzene	14.17	119	2508387	98.439	ug/l	99
84) 1,2,4-Trimethylbenzene	14.22	105	2036945	92.276	ug/l	98
85) sec-Butylbenzene	14.35	105	2882110	106.469	ug/l	98
86) p-Isopropyltoluene	14.48	119	2186475	95.519	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	1358738	102.991	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1327205	103.160	ug/l	98
89) n-Butylbenzene	14.78	91	2041615	97.175	ug/l	98
90) Hexachloroethane	14.99	117	676038	104.540	ug/l	70
91) 1,2-Dichlorobenzene	14.79	146	1052040	97.219	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.36	75	78502	120.739	ug/l	95

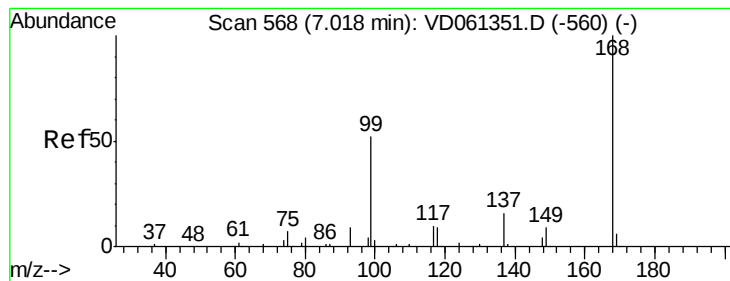
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	550788	111.733	ug/l	98
94) Hexachlorobutadiene	16.02	225	432584	112.301	ug/l	100
95) Naphthalene	16.11	128	849254	113.025	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	278264	128.280	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

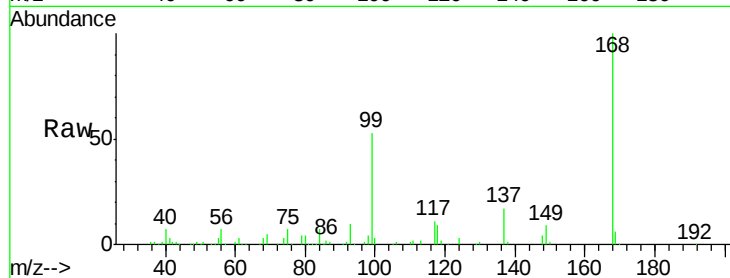
VSTDIC100

Tgt Ion:168 Resp: 699793

Ion Ratio Lower Upper

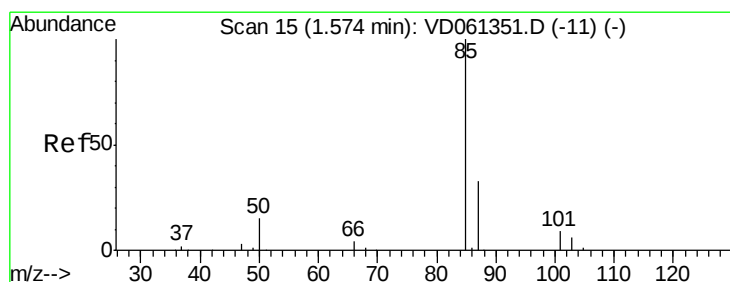
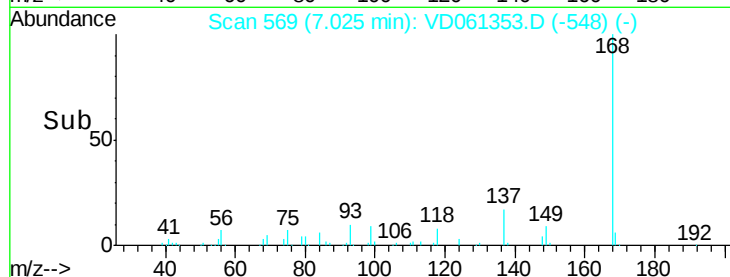
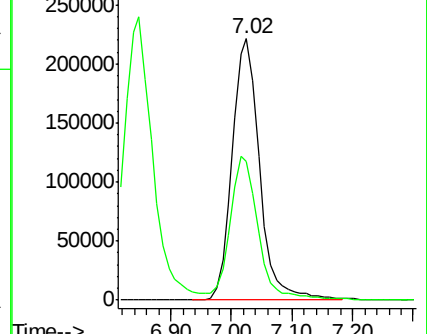
168 100

99 52.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 103.728 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061353.D

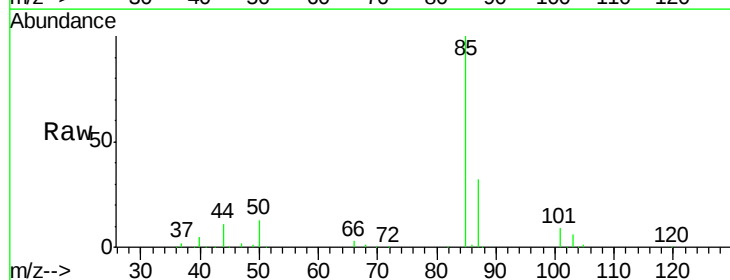
Acq: 27 Mar 2019 14:02

Tgt Ion: 85 Resp: 773724

Ion Ratio Lower Upper

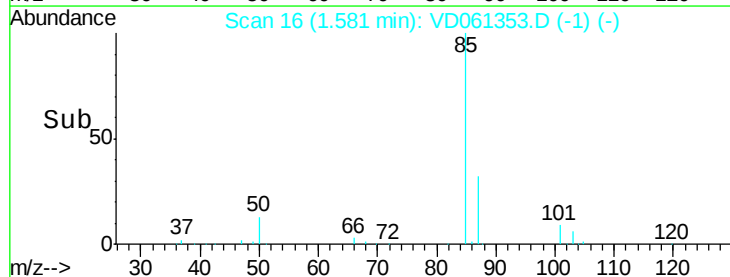
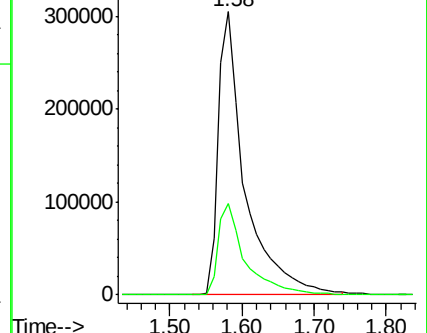
85 100

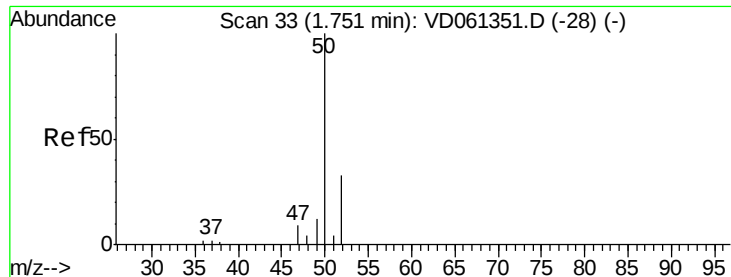
87 32.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 106.689 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

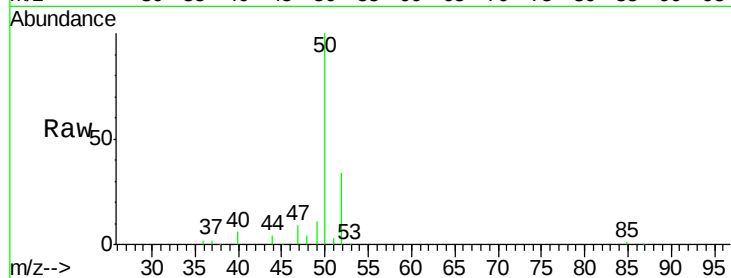
VSTDIC100

Tgt Ion: 50 Resp: 649001

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

200000

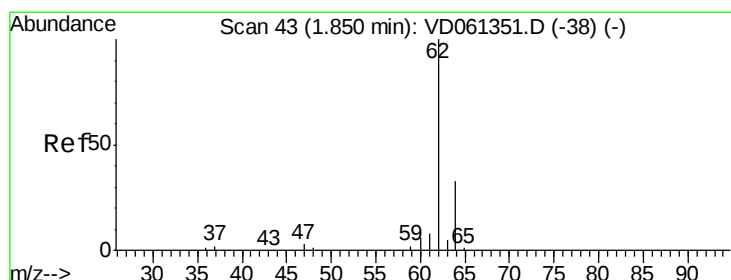
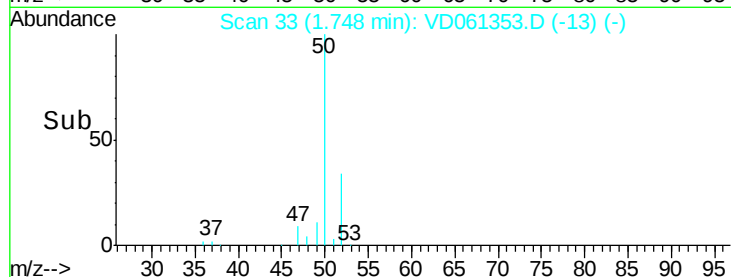
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 98.212 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061353.D

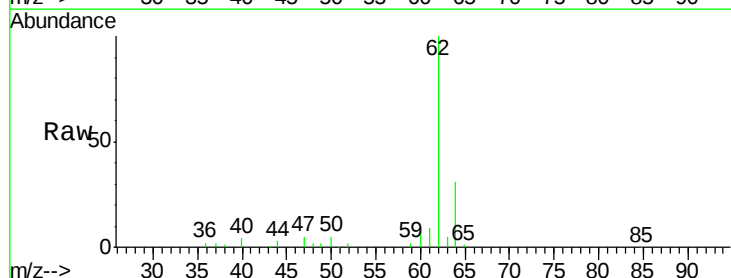
Acq: 27 Mar 2019 14:02

Tgt Ion: 62 Resp: 548566

Ion Ratio Lower Upper

62 100

64 31.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

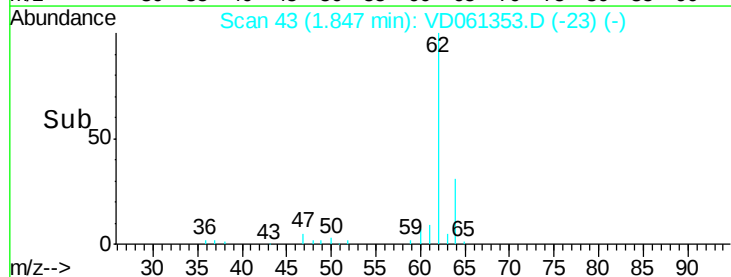
150000

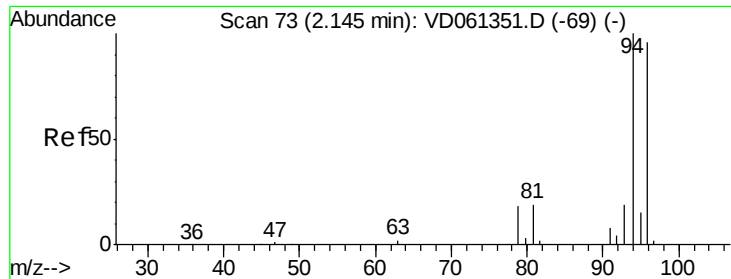
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 89.609 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

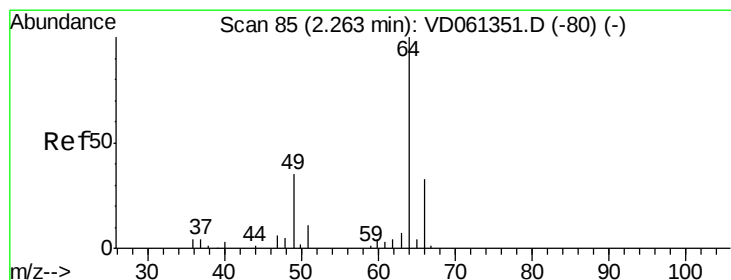
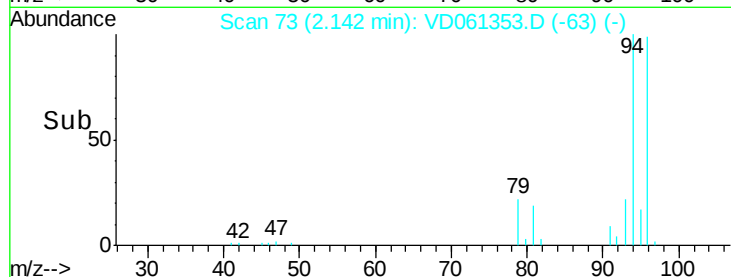
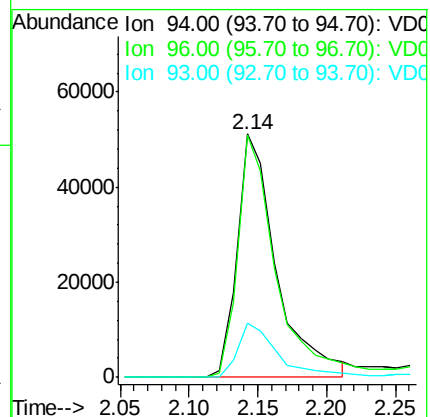
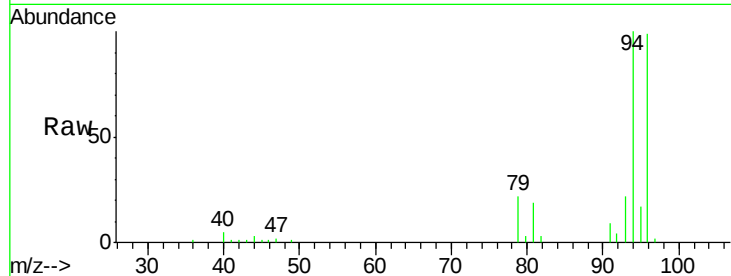
Tgt Ion: 94 Resp: 101233

Ion Ratio Lower Upper

94 100

96 99.4 78.3 117.5

93 22.5 15.6 23.4



#6

Chloroethane

Concen: 86.255 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061353.D

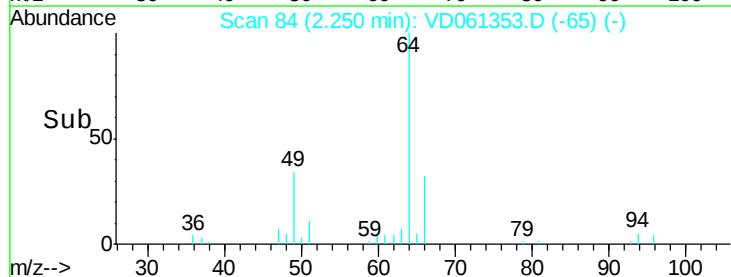
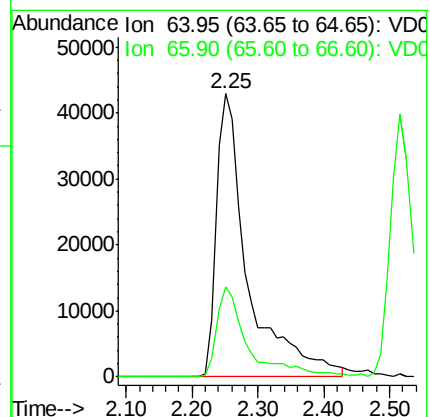
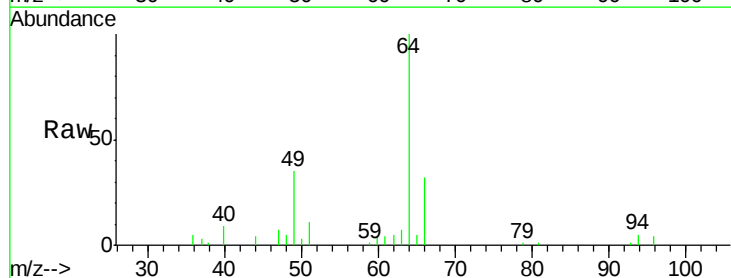
Acq: 27 Mar 2019 14:02

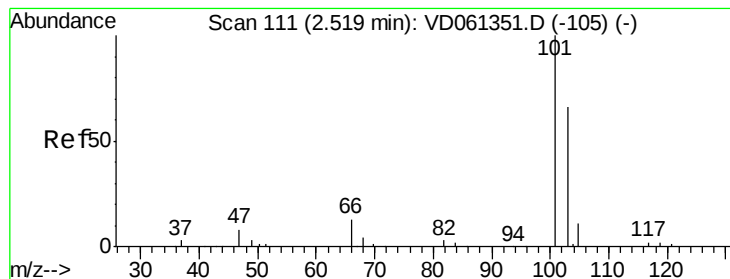
Tgt Ion: 64 Resp: 141293

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



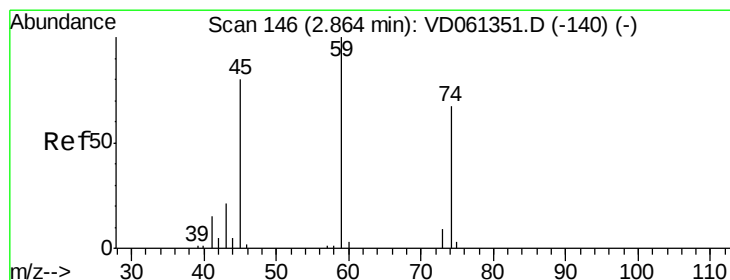
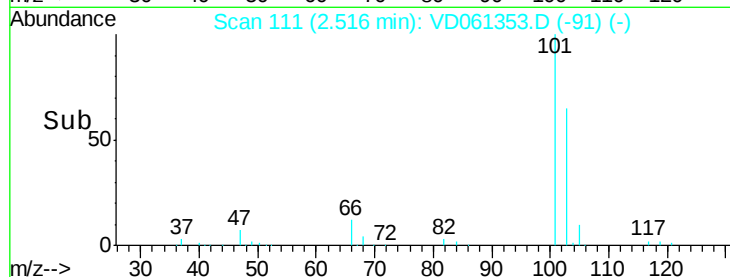
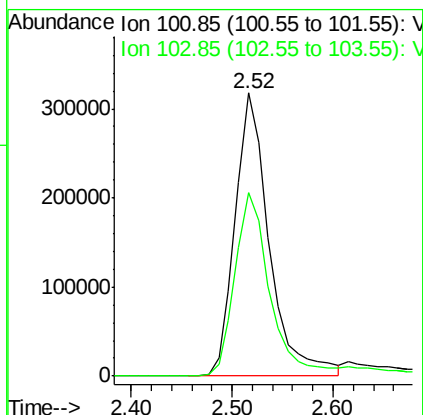
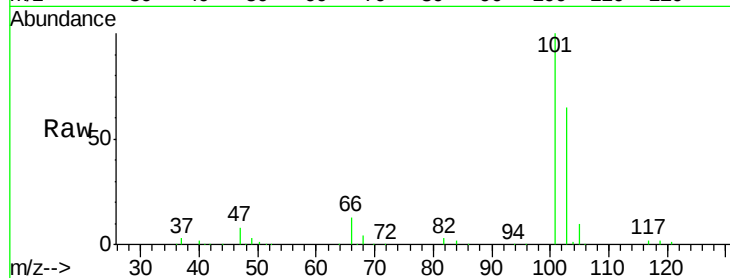


#7

Trichlorofluoromethane
 Concen: 92.365 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

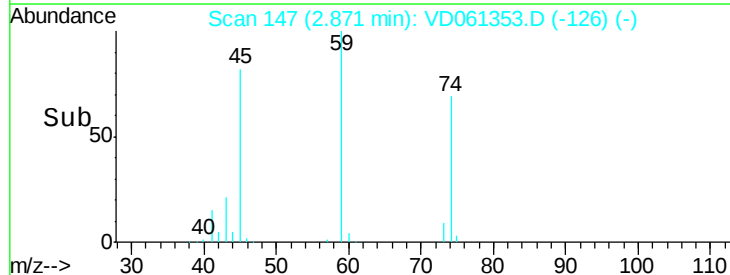
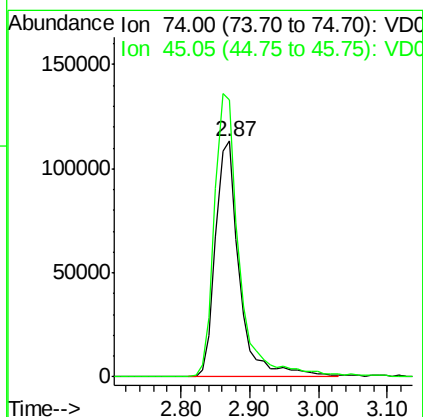
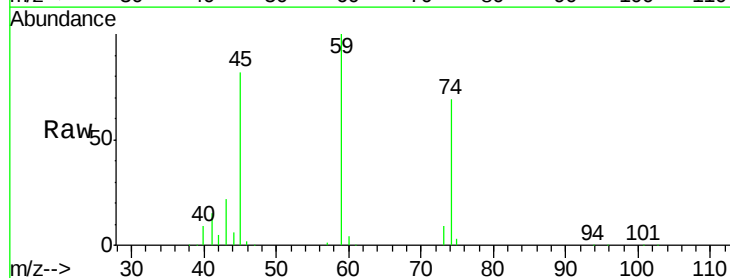
Tgt Ion: 101 Resp: 751872
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.1 79.7

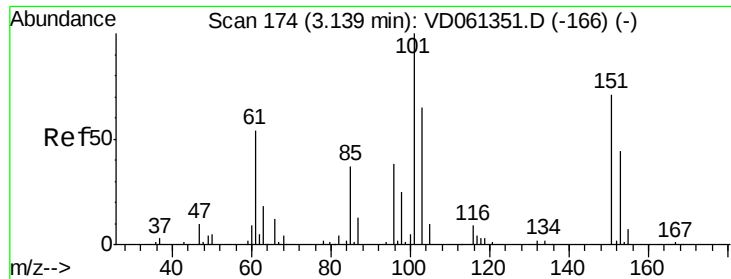


#8

Diethyl Ether
 Concen: 105.241 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion: 74 Resp: 275218
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.960 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

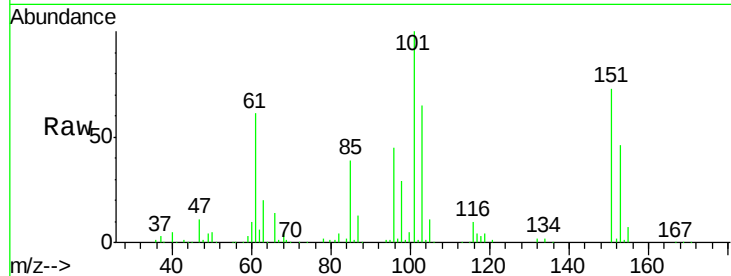
Tgt Ion:101 Resp: 891228

Ion Ratio Lower Upper

101 100

85 39.0 29.4 44.0

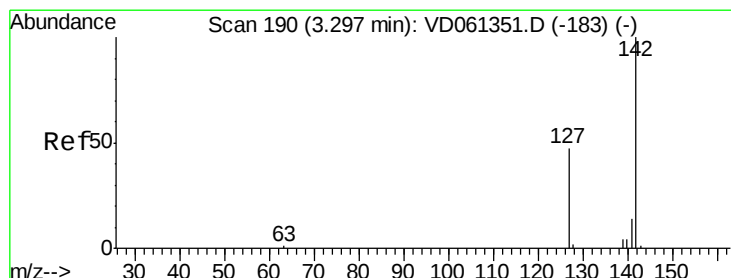
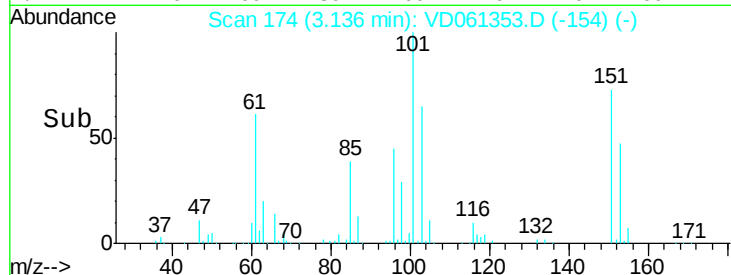
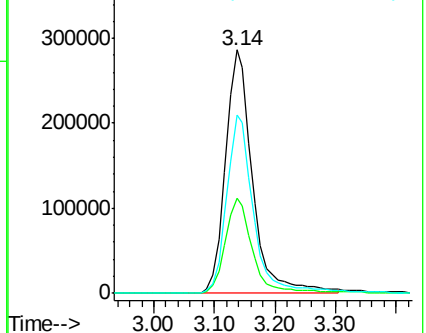
151 73.1 57.0 85.4



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: 121.398 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

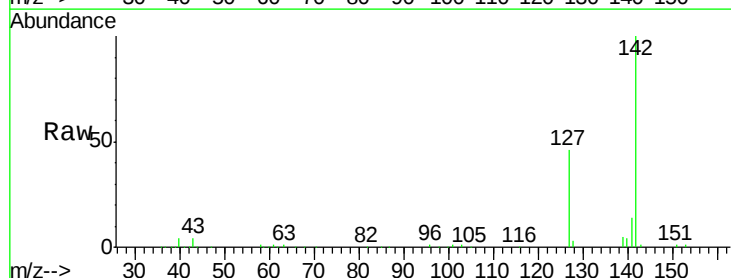
Tgt Ion:142 Resp: 1402041

Ion Ratio Lower Upper

142 100

127 46.2 37.7 56.5

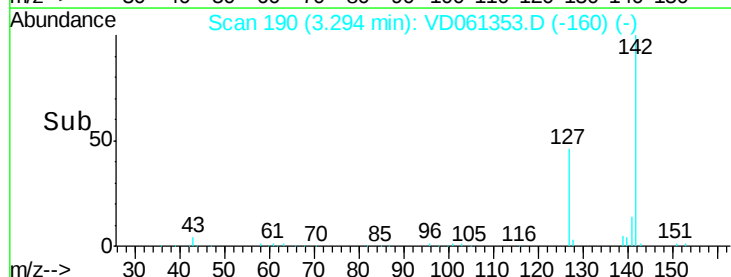
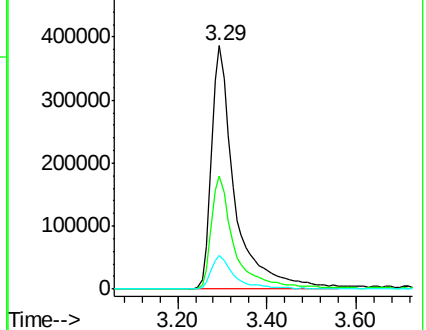
141 14.0 11.5 17.3

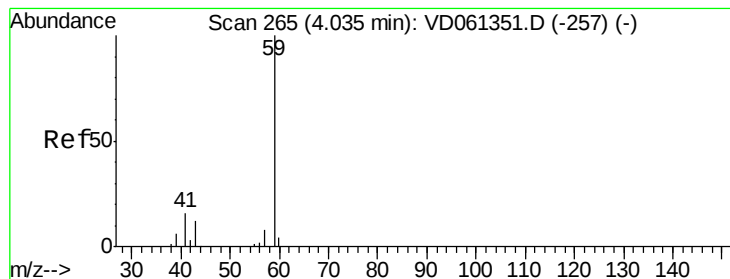


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 514.900 ug/l

RT: 4.05 min Scan# 267

Delta R.T. 0.02 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

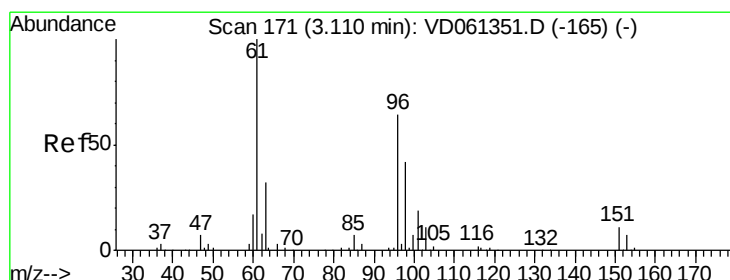
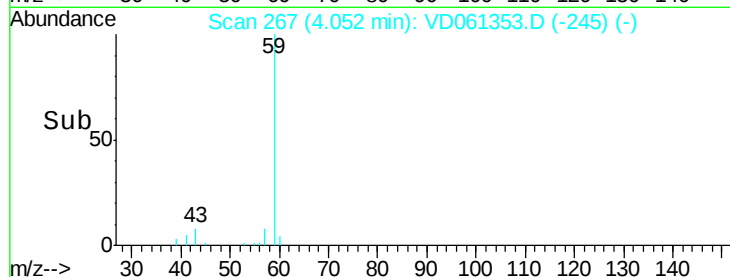
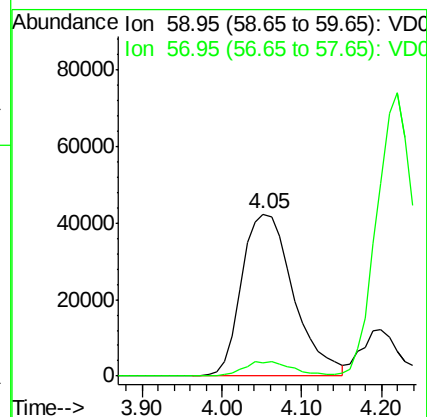
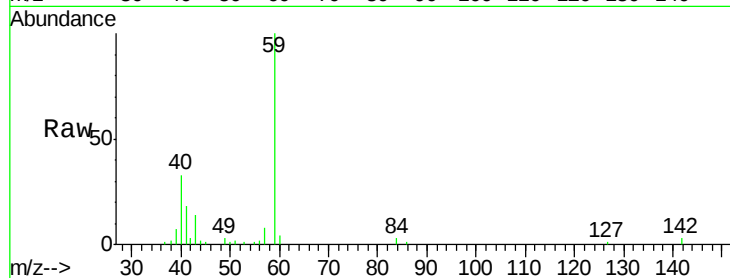
VSTDIC100

Tgt Ion: 59 Resp: 191337

Ion Ratio Lower Upper

59 100

57 7.8 6.7 10.1



#12

1,1-Dichloroethene

Concen: 101.316 ug/l

RT: 3.12 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

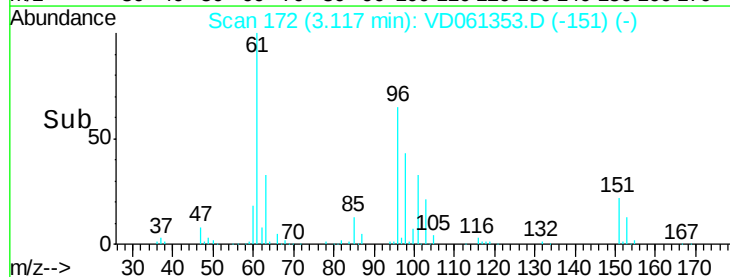
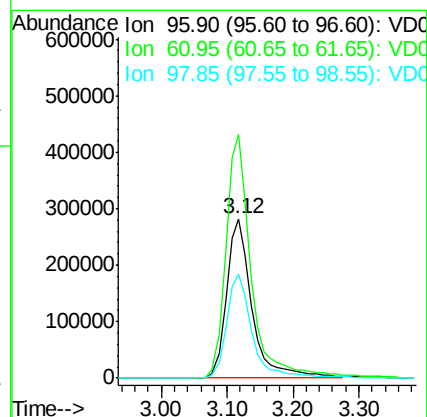
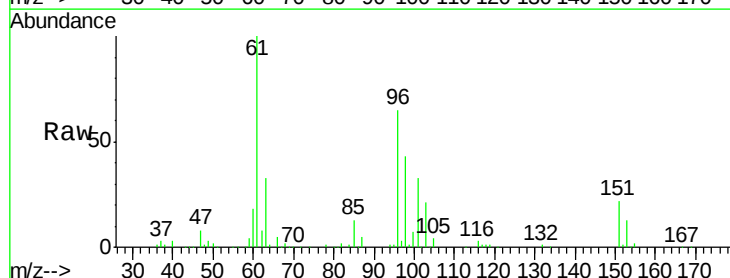
Tgt Ion: 96 Resp: 760787

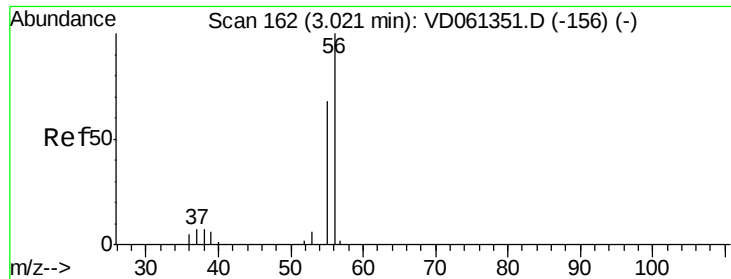
Ion Ratio Lower Upper

96 100

61 153.0 124.9 187.3

98 65.5 52.5 78.7





#13

Acrolein

Concen: 416.822 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

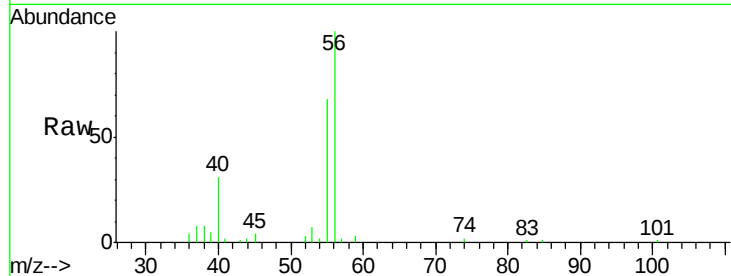
VSTDIC100

Tgt Ion: 56 Resp: 133138

Ion Ratio Lower Upper

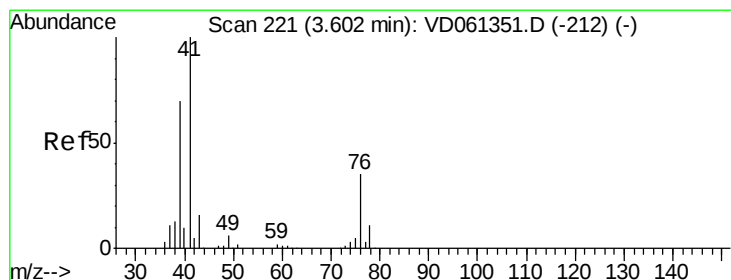
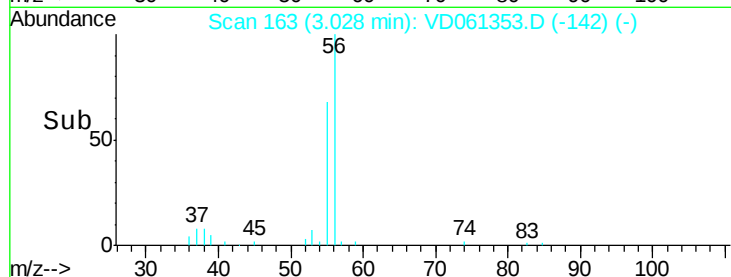
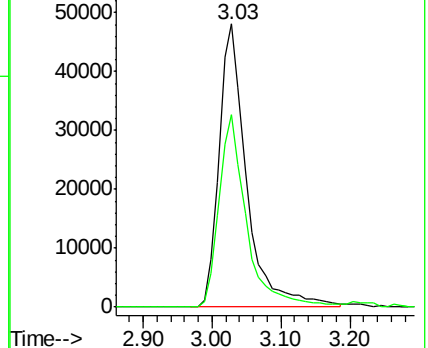
56 100

55 67.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 107.934 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

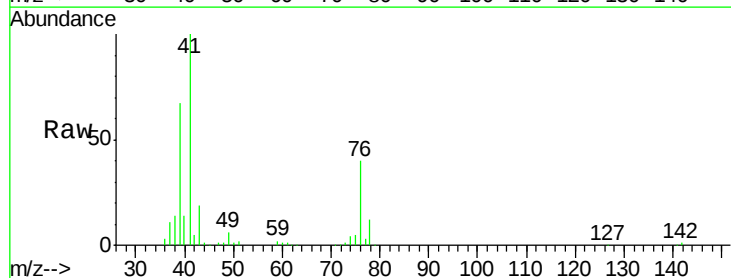
Tgt Ion: 41 Resp: 1129333

Ion Ratio Lower Upper

41 100

39 67.0 55.6 83.4

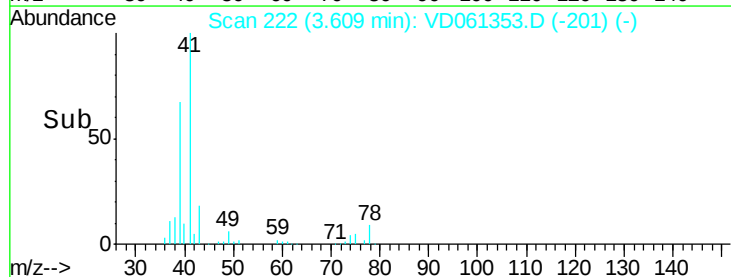
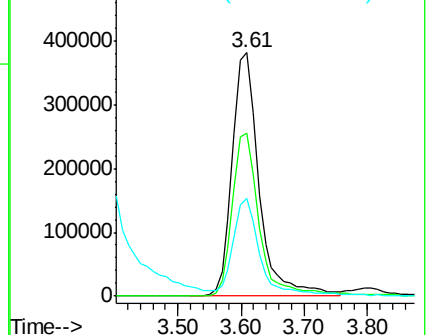
76 39.9 31.0 46.6

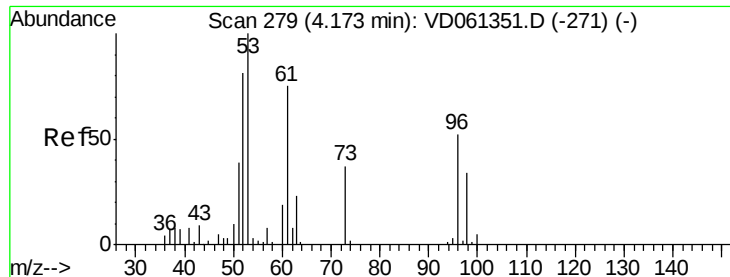


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 498.916 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

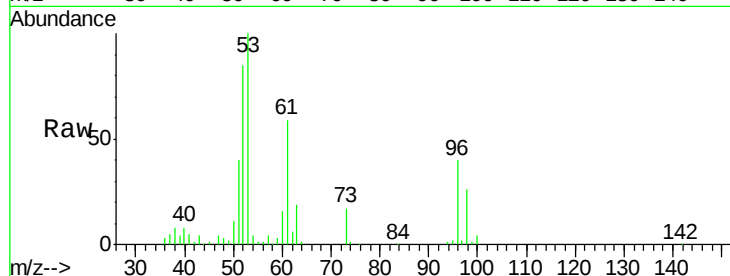
Tgt Ion: 53 Resp: 643449

Ion Ratio Lower Upper

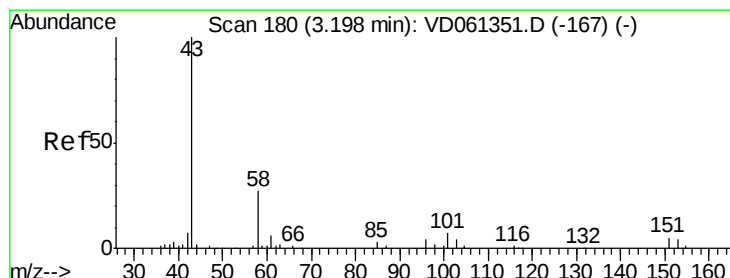
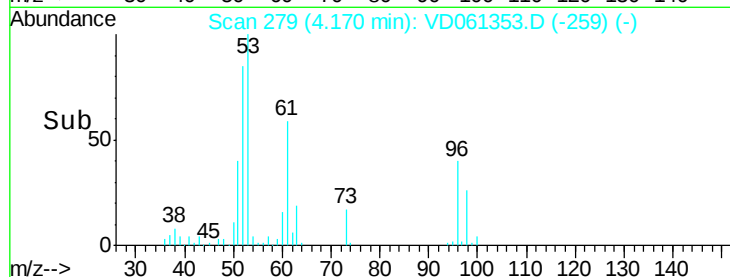
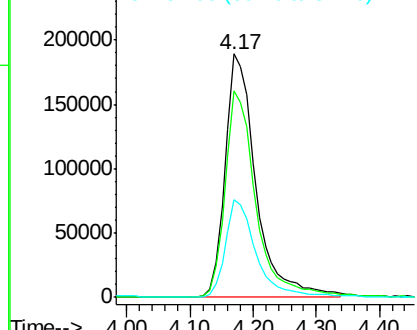
53 100

52 84.9 64.8 97.2

51 40.3 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: 481.804 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061353.D

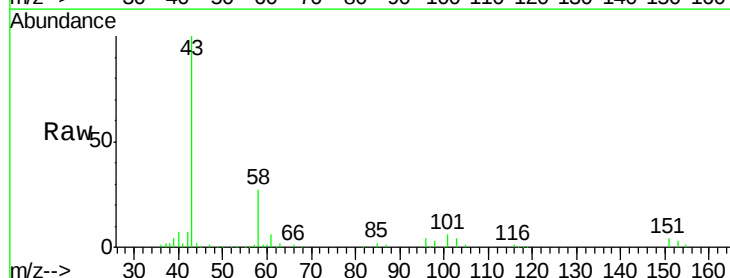
Acq: 27 Mar 2019 14:02

Tgt Ion: 43 Resp: 743979

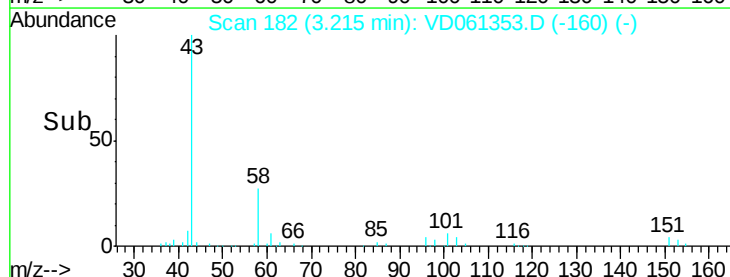
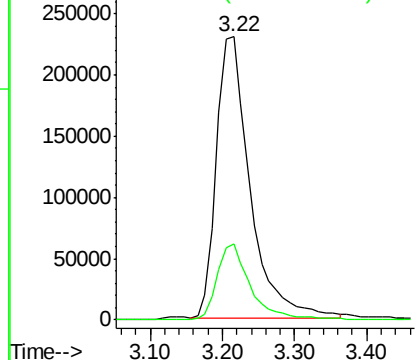
Ion Ratio Lower Upper

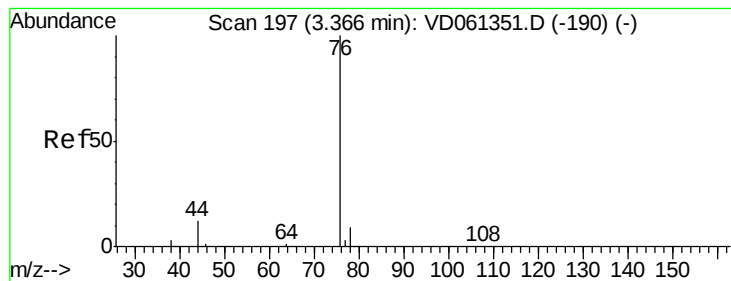
43 100

58 26.8 21.5 32.3



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





#17

Carbon Disulfide

Concen: 103.185 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

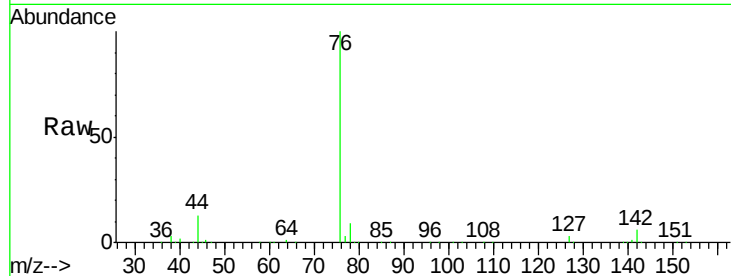
VSTDICC100

Tgt Ion: 76 Resp: 2517265

Ion Ratio Lower Upper

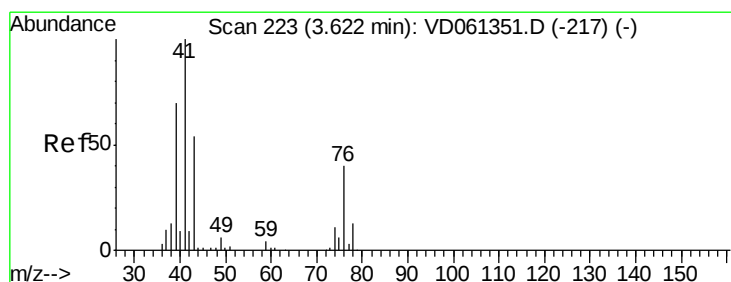
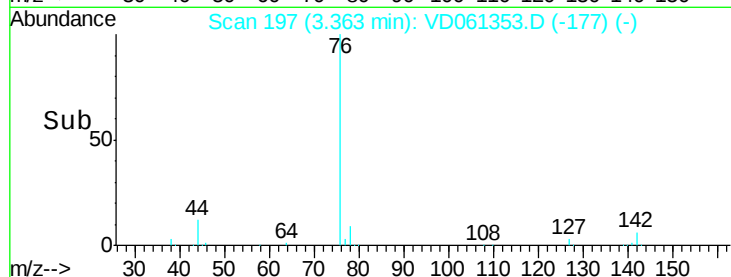
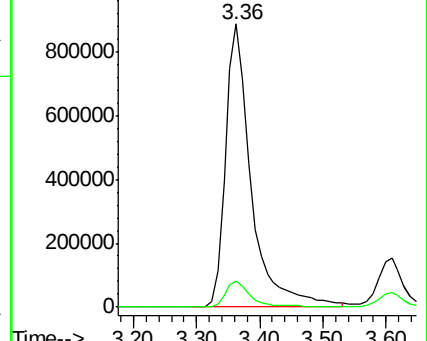
76 100

78 9.4 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 99.362 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061353.D

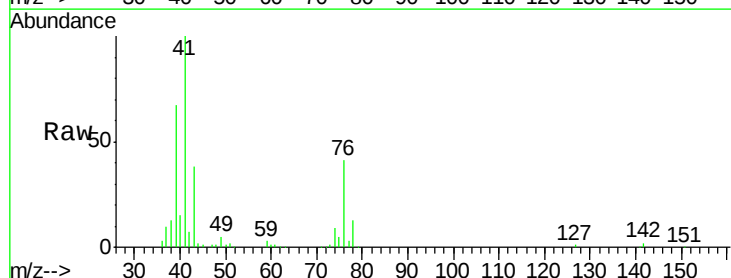
Acq: 27 Mar 2019 14:02

Tgt Ion: 43 Resp: 320407

Ion Ratio Lower Upper

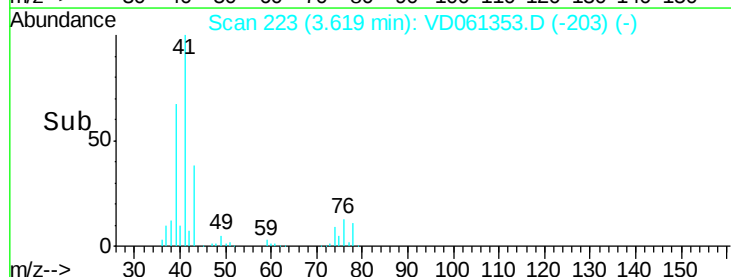
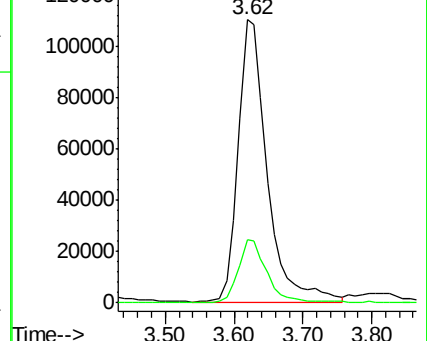
43 100

74 22.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

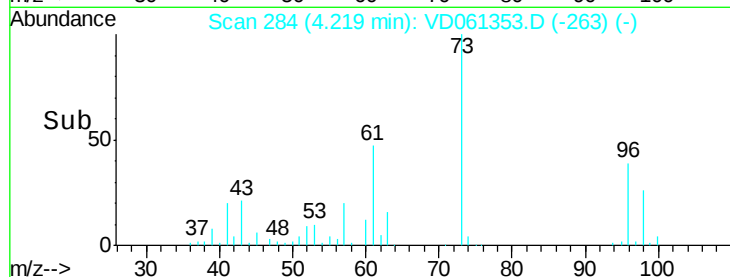
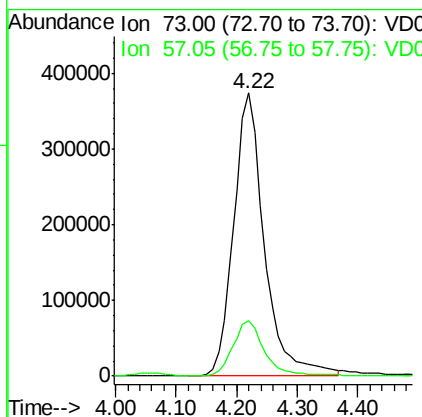
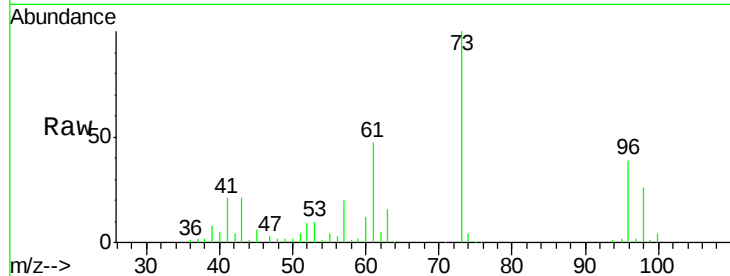




#19
Methyl tert-butyl Ether
Concen: 101.515 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

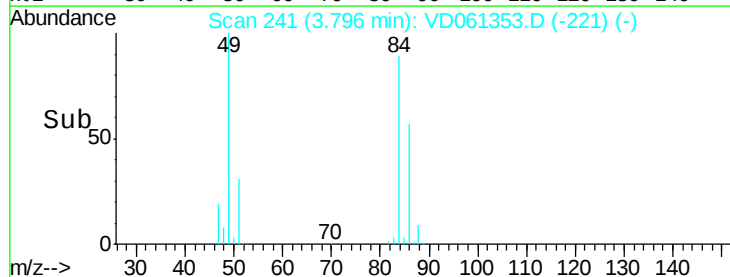
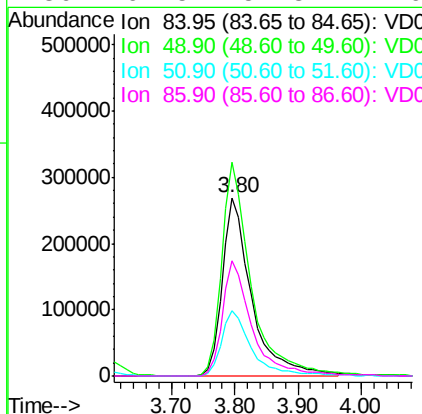
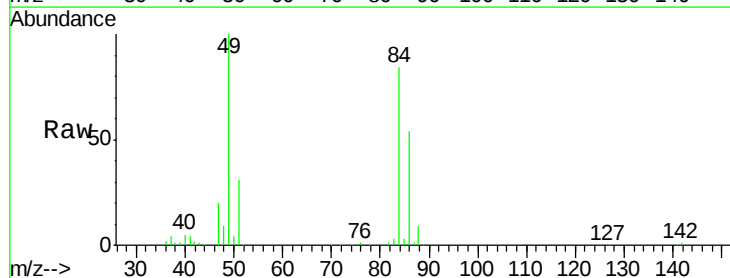
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

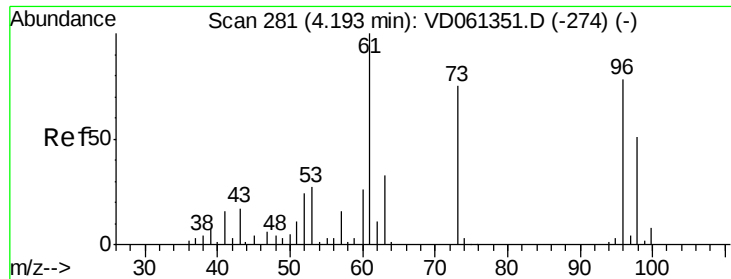
Tgt Ion: 73 Resp: 1318316
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6



#20
Methylene Chloride
Concen: 88.990 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 84 Resp: 869958
Ion Ratio Lower Upper
84 100
49 119.7 91.8 137.8
51 36.7 29.8 44.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 99.448 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

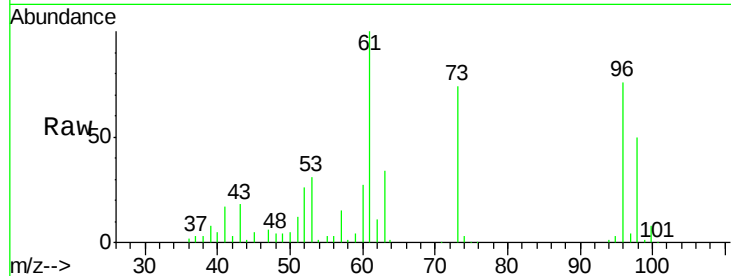
Tgt Ion: 96 Resp: 806351

Ion Ratio Lower Upper

96 100

61 131.3 102.7 154.1

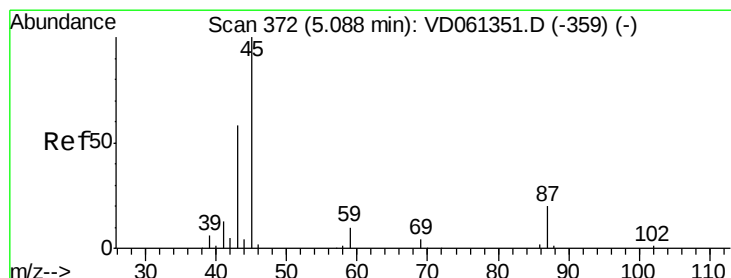
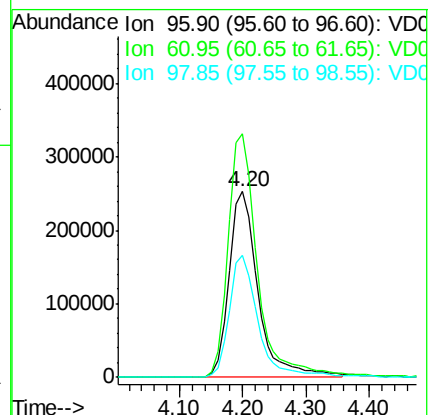
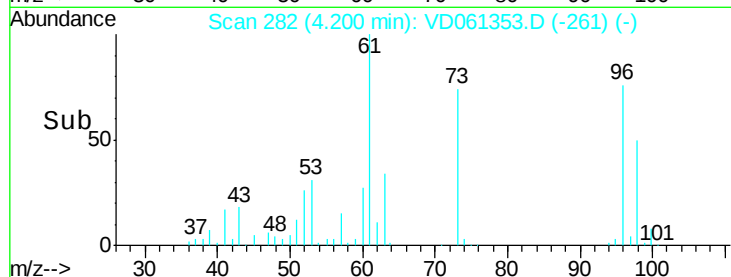
98 65.6 52.2 78.4



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: 102.956 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Tgt Ion: 45 Resp: 2281026

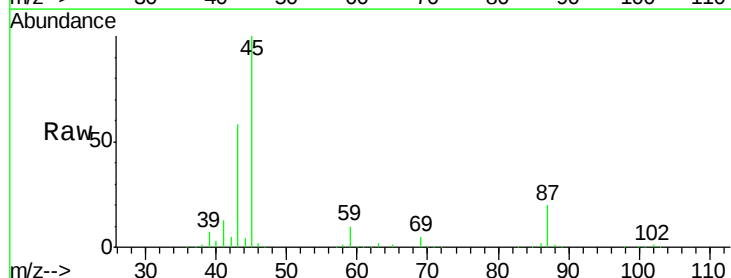
Ion Ratio Lower Upper

45 100

43 58.0 47.4 71.2

87 20.4 16.3 24.5

59 10.1 8.4 12.6

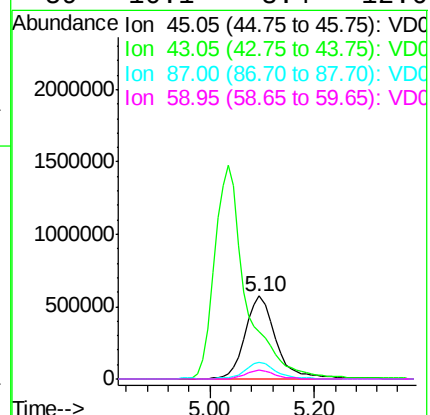
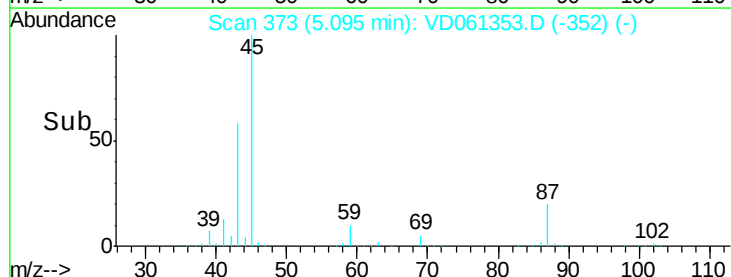


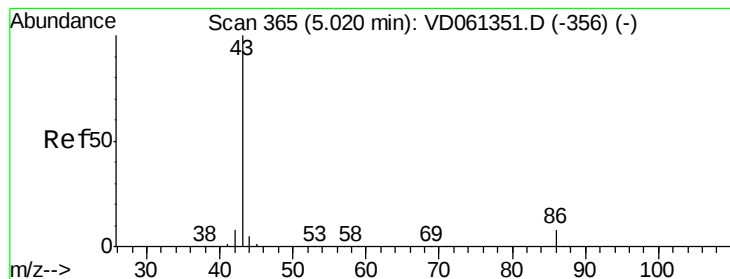
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 504.899 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

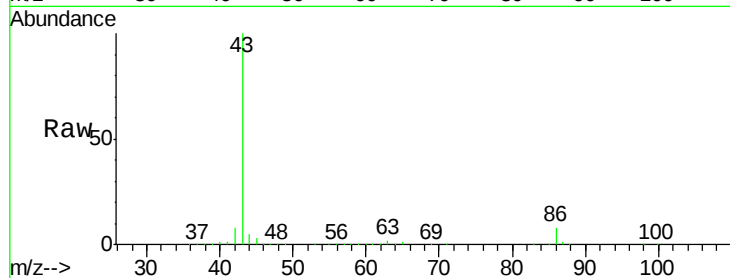
VSTDIC100

Tgt Ion: 43 Resp: 6097580

Ion Ratio Lower Upper

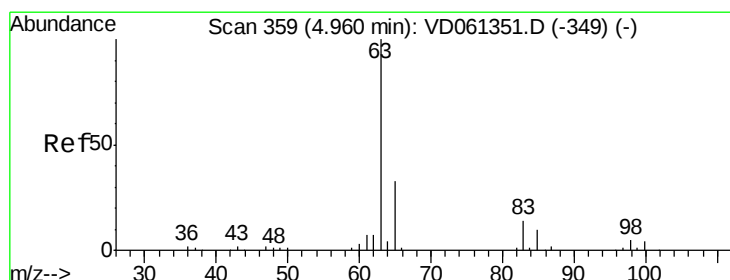
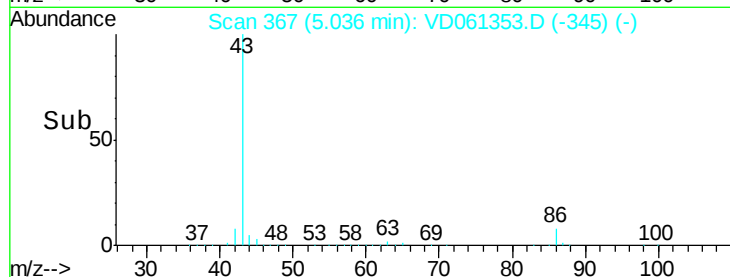
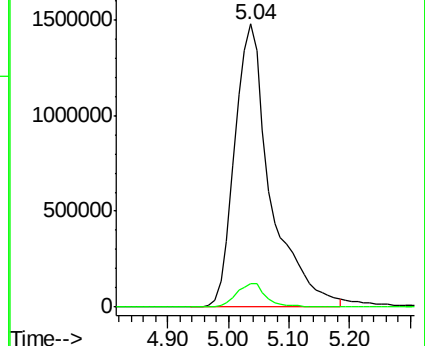
43 100

86 8.3 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 102.166 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

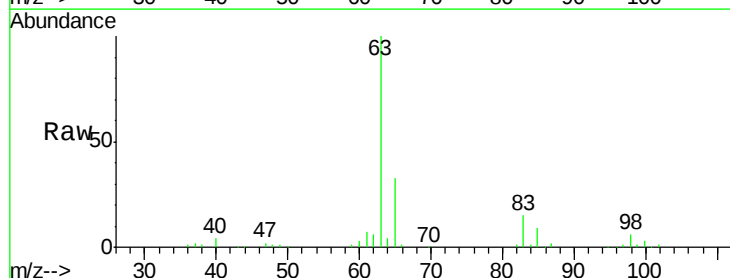
Tgt Ion: 63 Resp: 1330963

Ion Ratio Lower Upper

63 100

98 5.7 2.6 8.0

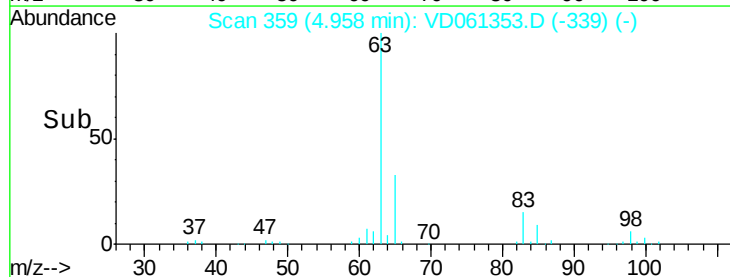
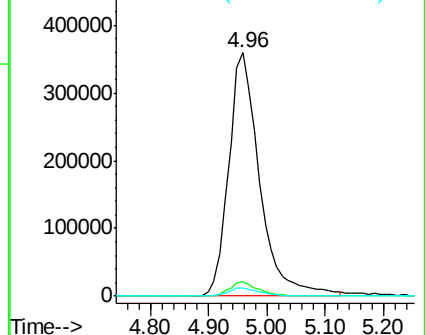
100 3.5 1.8 5.3

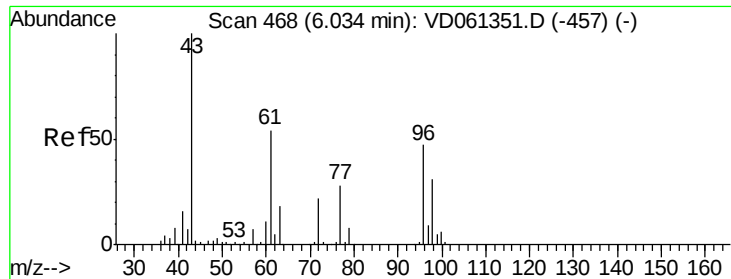


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 503.055 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

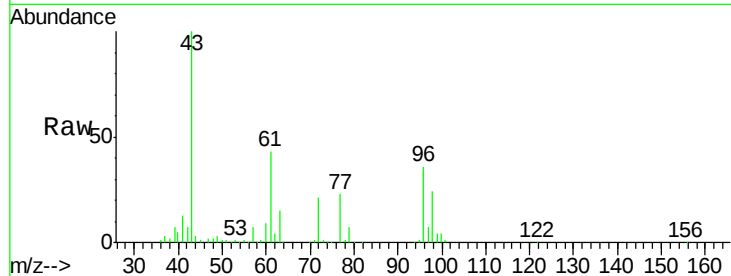
VSTDIC100

Tgt Ion: 43 Resp: 970647

Ion Ratio Lower Upper

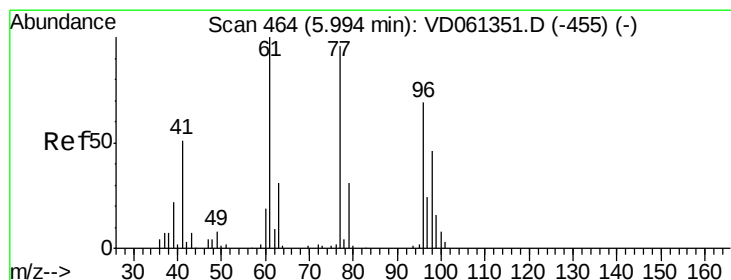
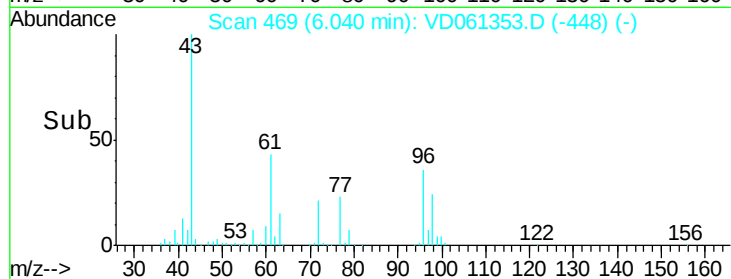
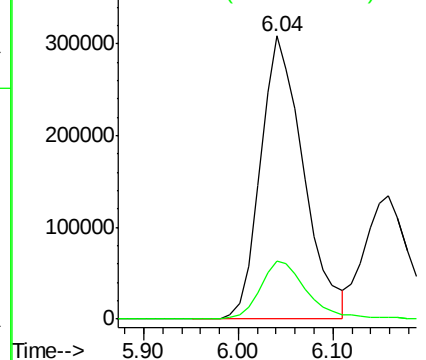
43 100

72 20.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 97.962 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061353.D

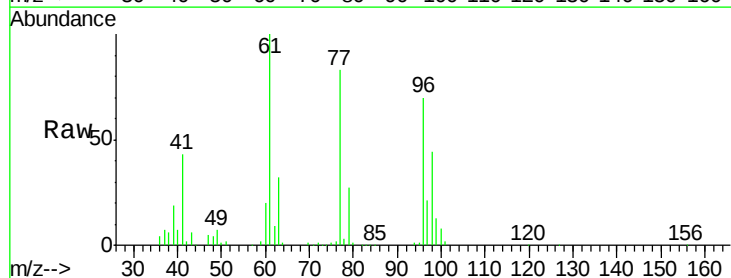
Acq: 27 Mar 2019 14:02

Tgt Ion: 77 Resp: 1013048

Ion Ratio Lower Upper

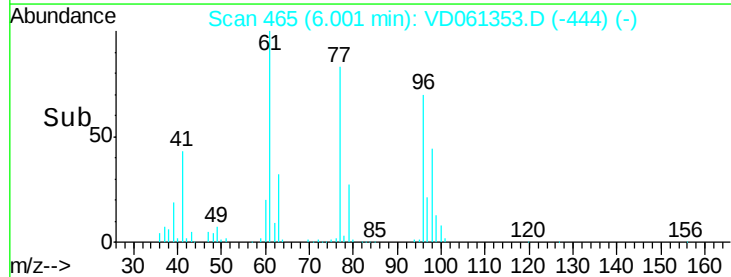
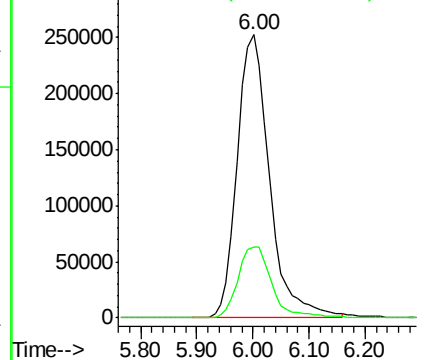
77 100

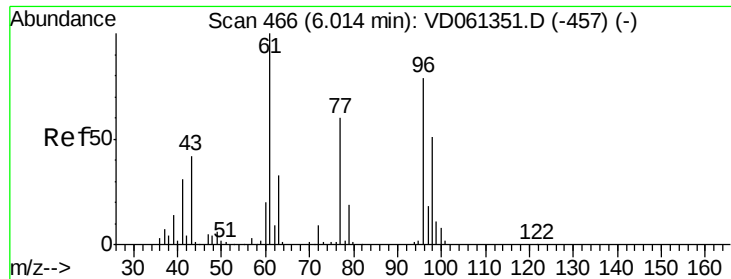
97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



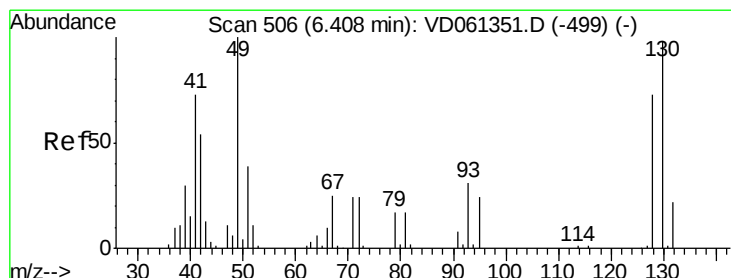
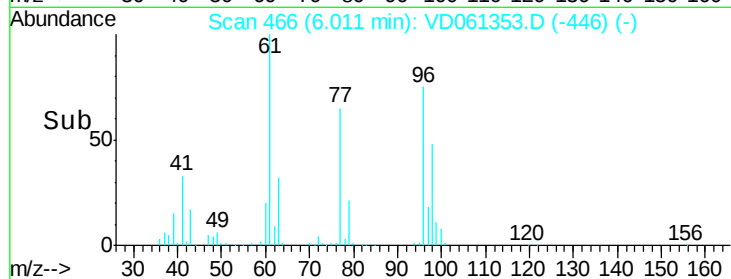
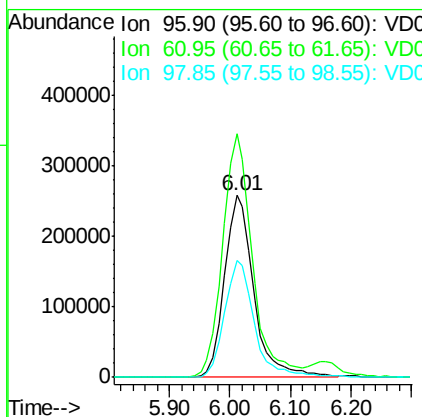
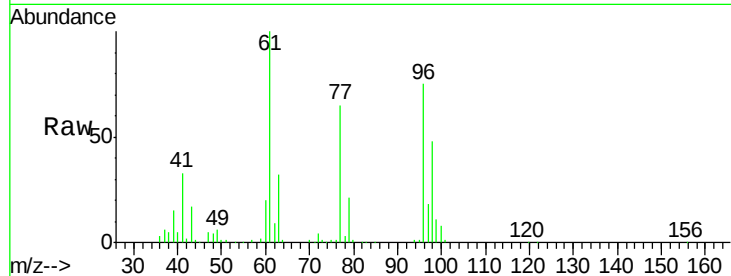


#27

cis-1,2-Dichloroethene
Concen: 97.853 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

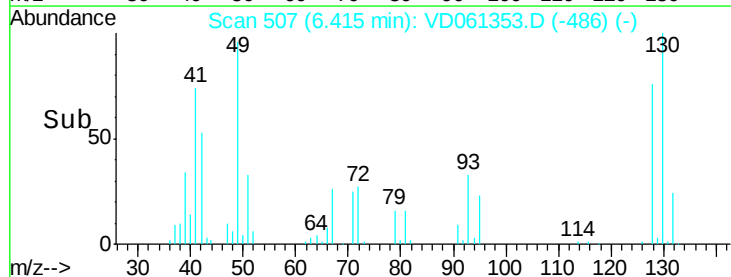
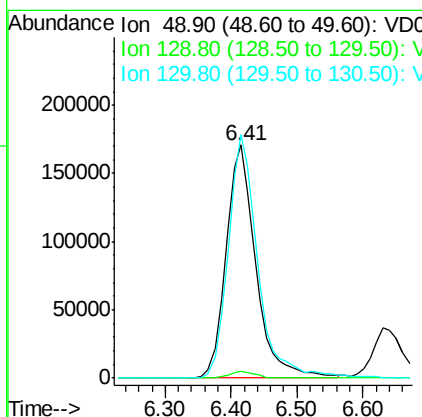
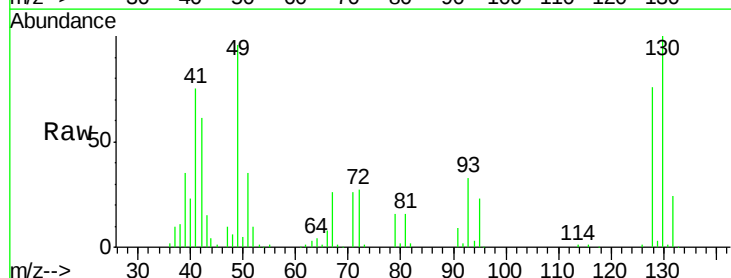
Tgt Ion: 96 Resp: 867798
Ion Ratio Lower Upper
96 100
61 133.7 0.0 251.6
98 64.1 0.0 129.2



#28

Bromochloromethane
Concen: 102.876 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 49 Resp: 540047
Ion Ratio Lower Upper
49 100
129 2.7 0.0 0.0#
130 104.5 78.4 117.6

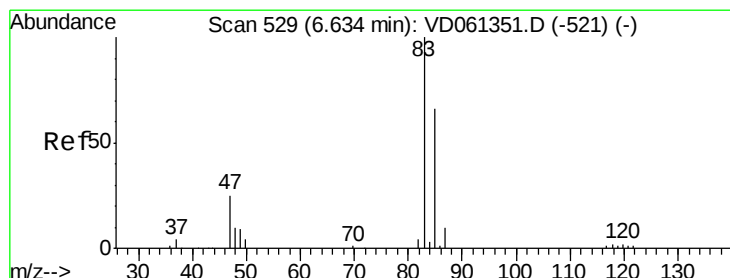
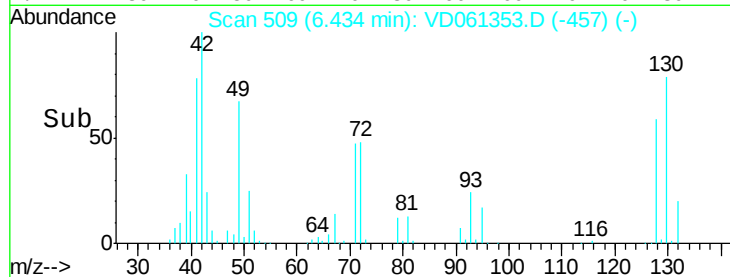
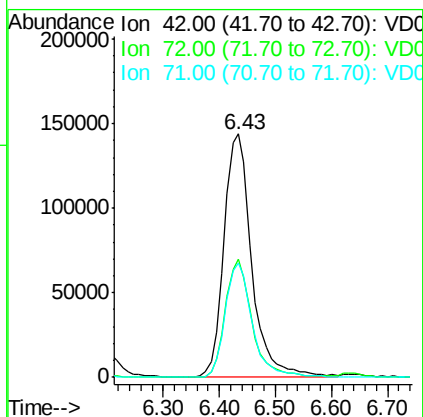
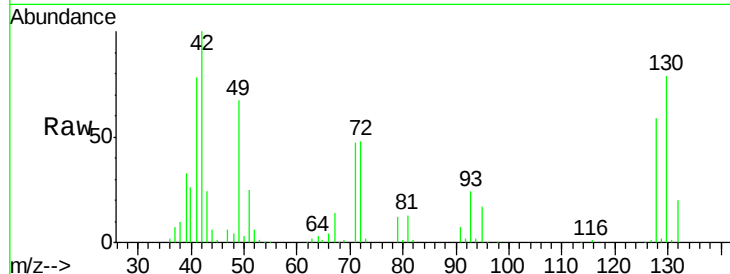




#29
Tetrahydrofuran
Concen: 524.486 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

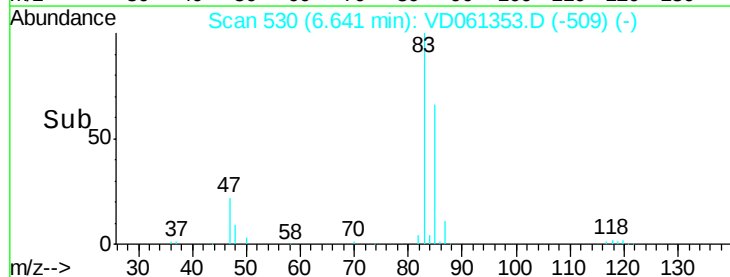
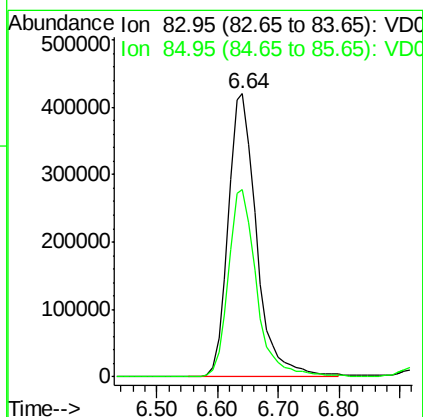
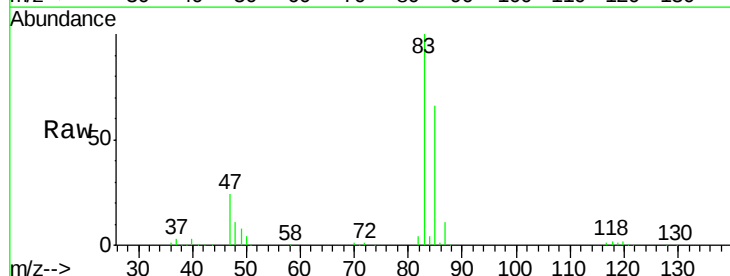
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 490498
Ion Ratio Lower Upper
42 100
72 46.9 37.4 56.0
71 46.6 36.7 55.1



#30
Chloroform
Concen: 101.944 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 83 Resp: 1369871
Ion Ratio Lower Upper
83 100
85 66.1 53.0 79.4





#31

Cyclohexane

Concen: 99.223 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

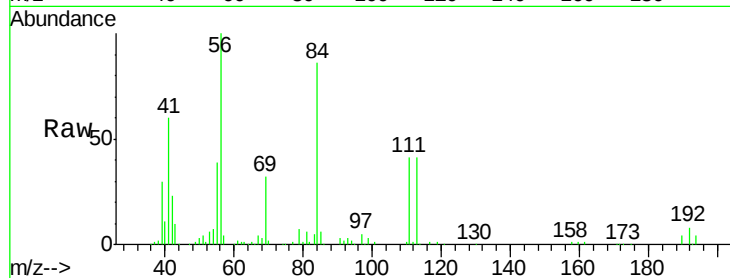
Tgt Ion: 56 Resp: 1019666

Ion Ratio Lower Upper

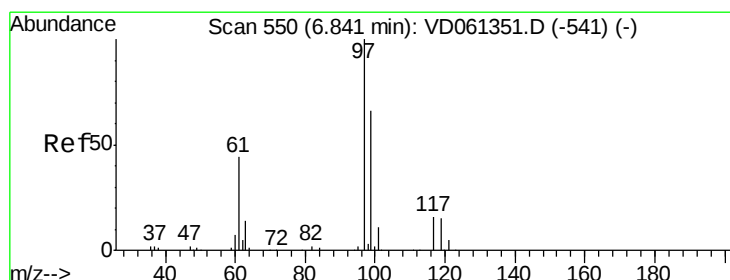
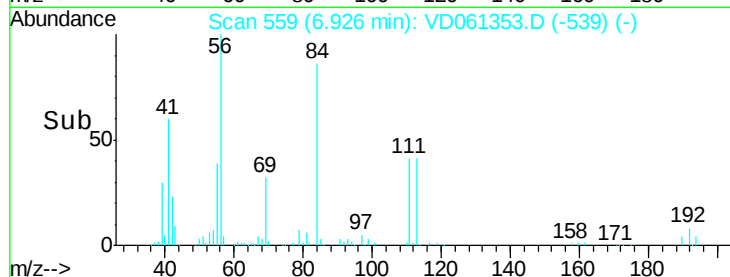
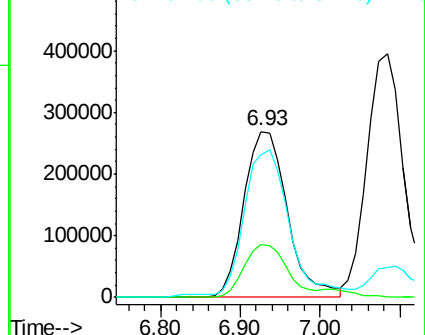
56 100

69 32.0 25.7 38.5

84 85.9 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 102.501 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

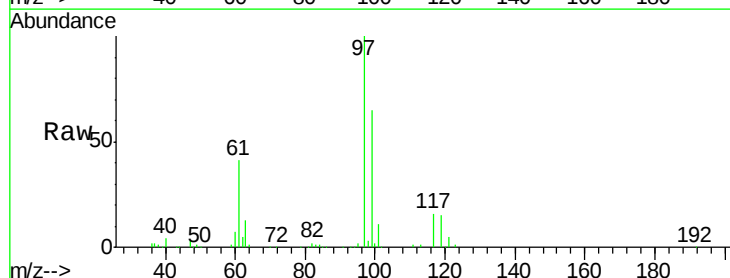
Tgt Ion: 97 Resp: 1215113

Ion Ratio Lower Upper

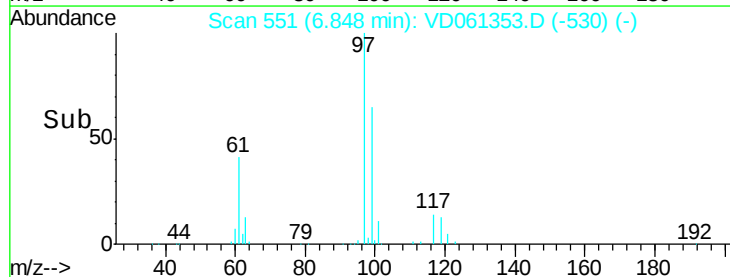
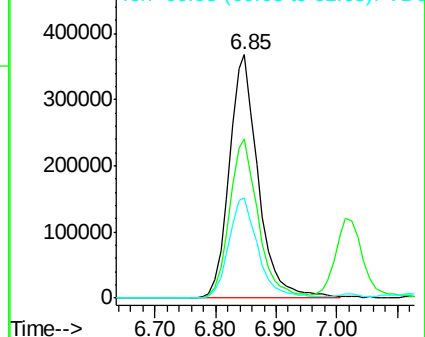
97 100

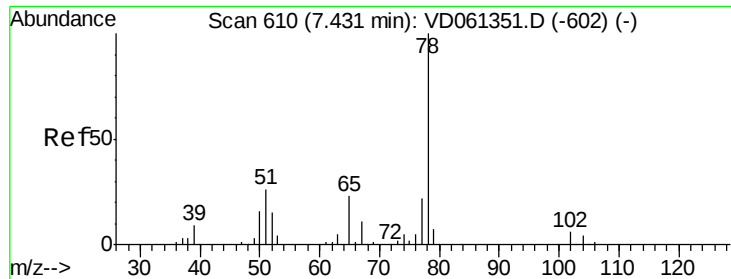
99 65.2 53.1 79.7

61 41.2 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 102.501 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

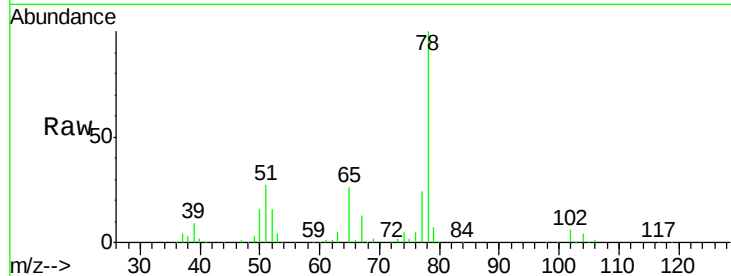
VSTDIC100

Tgt Ion: 65 Resp: 607650

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

200000

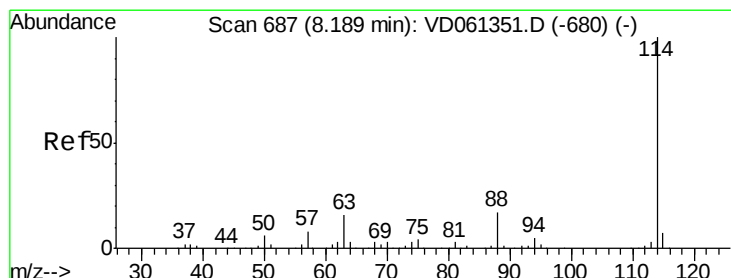
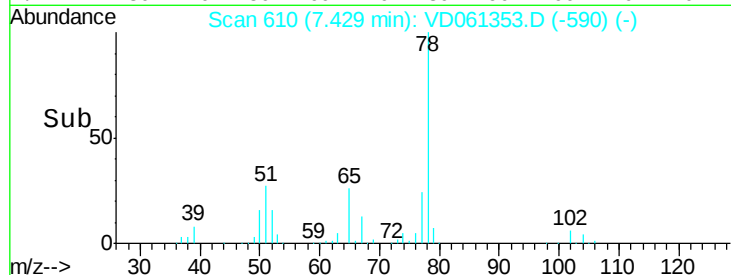
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

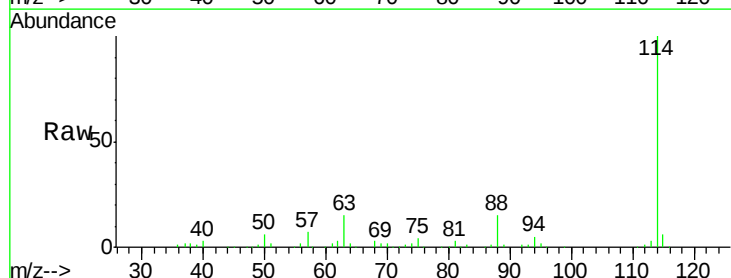
Tgt Ion: 114 Resp: 1211249

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.6

88 15.4 0.0 33.4



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

600000

500000

400000

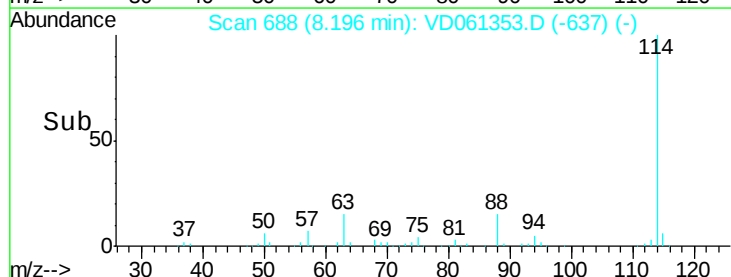
300000

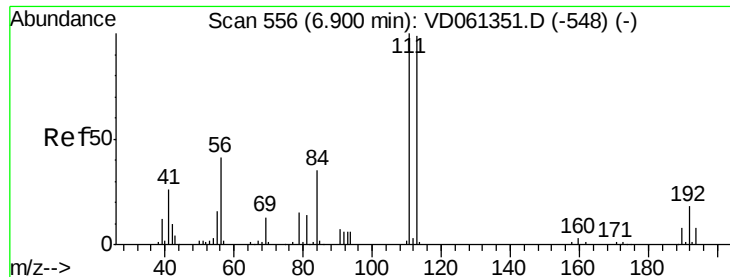
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

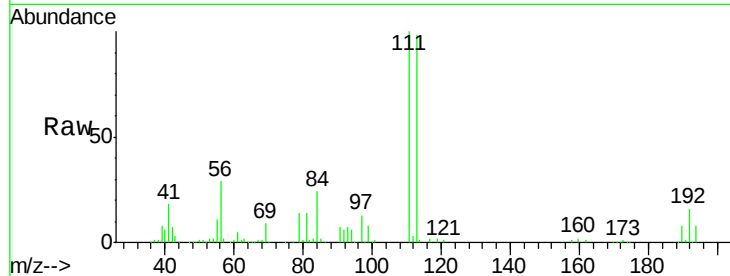
Tgt Ion:113 Resp: 949040

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

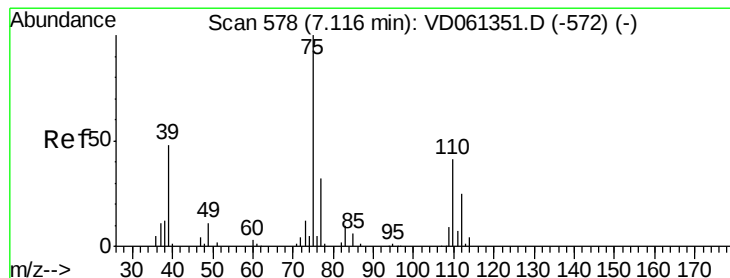
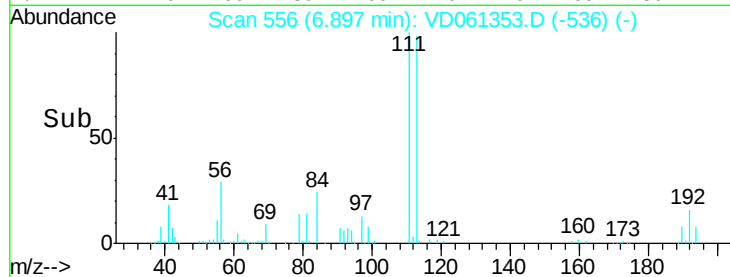
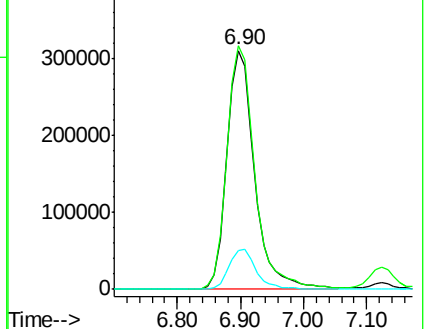
192 16.4 14.4 21.6



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: 104.025 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

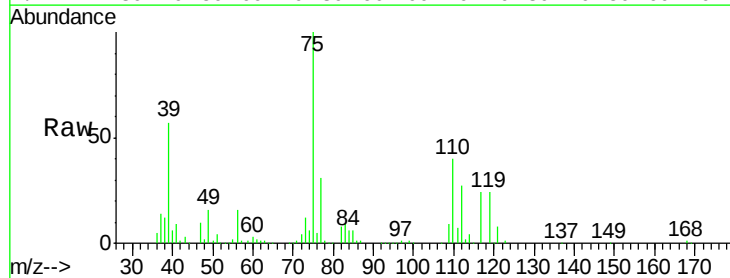
Tgt Ion: 75 Resp: 1099749

Ion Ratio Lower Upper

75 100

110 40.3 20.4 61.3

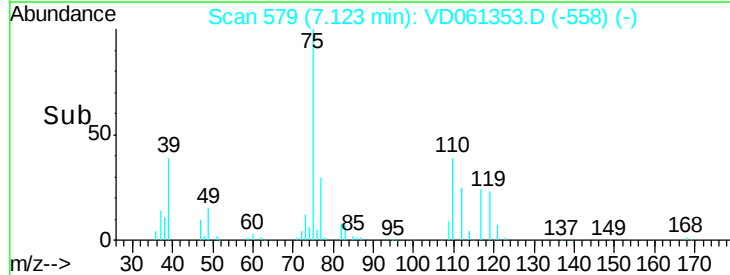
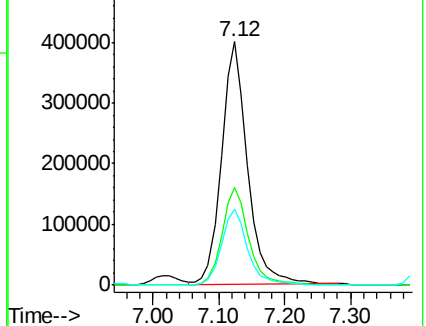
77 31.1 24.9 37.3

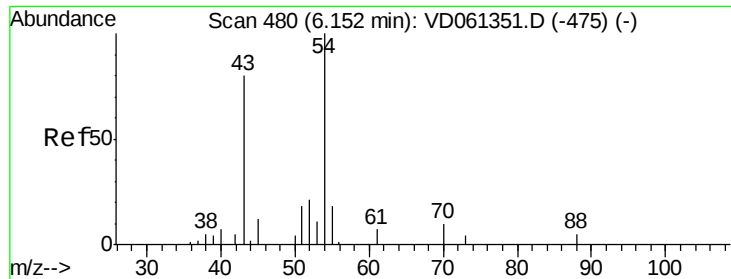


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

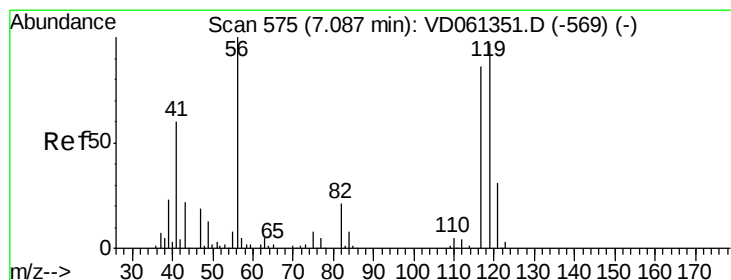
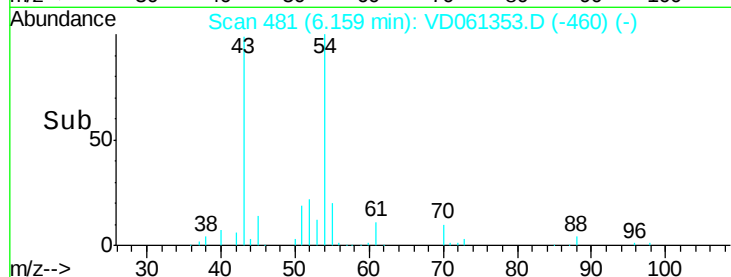
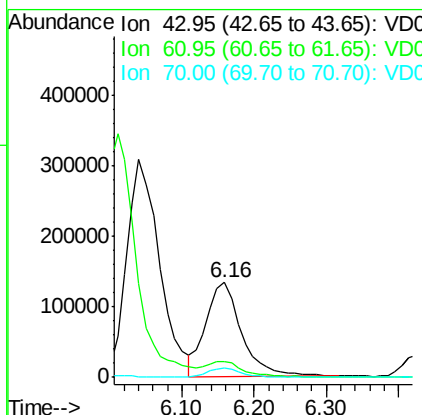
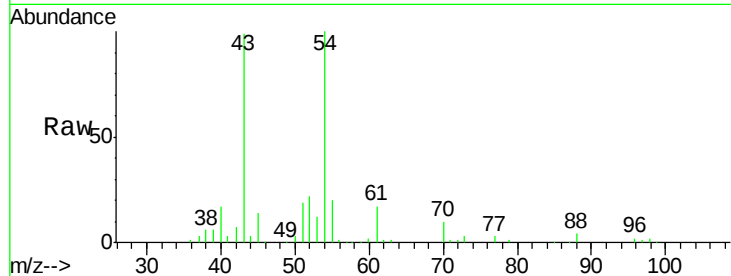




#37
Ethyl Acetate
Concen: 101.195 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

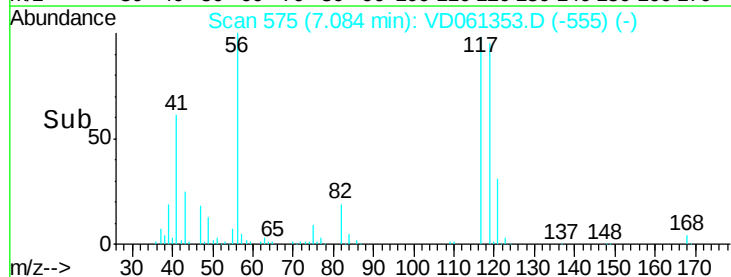
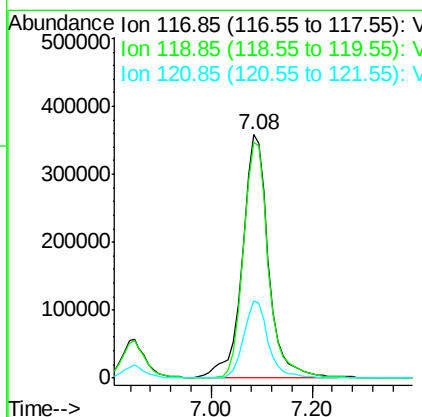
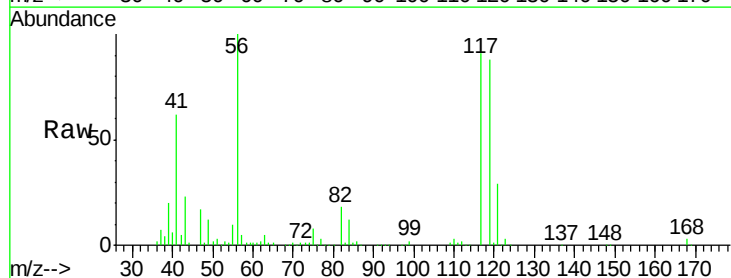
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

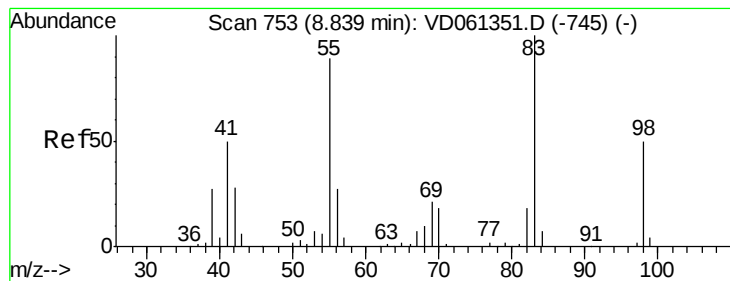
Tgt Ion: 43 Resp: 457251
Ion Ratio Lower Upper
43 100
61 17.1 13.8 20.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 103.506 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 117 Resp: 1271948
Ion Ratio Lower Upper
117 100
119 97.1 80.1 120.1
121 31.8 25.6 38.4





#39

Methylcyclohexane

Concen: 98.170 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

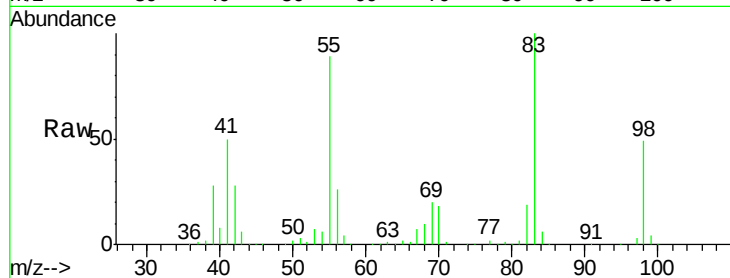
Tgt Ion: 83 Resp: 1080867

Ion Ratio Lower Upper

83 100

55 89.4 71.5 107.3

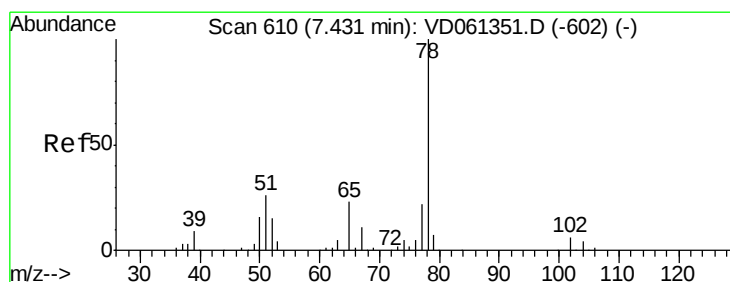
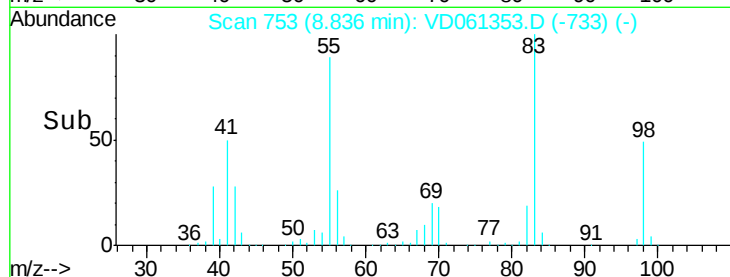
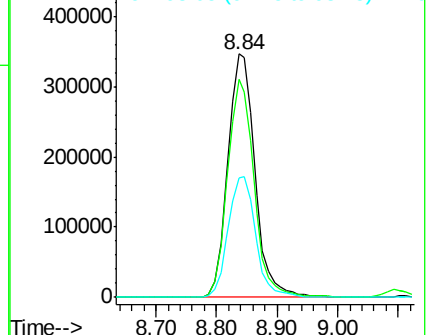
98 49.3 40.3 60.5



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: 97.975 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061353.D

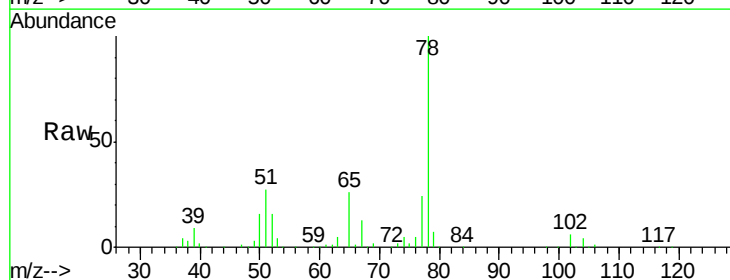
Acq: 27 Mar 2019 14:02

Tgt Ion: 78 Resp: 2599414

Ion Ratio Lower Upper

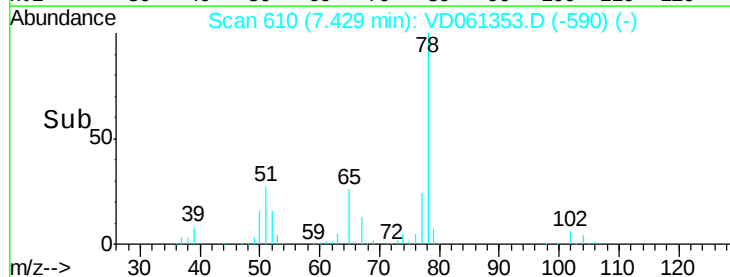
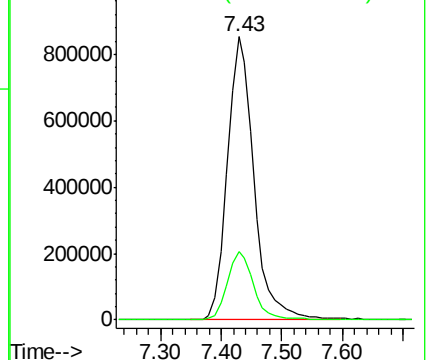
78 100

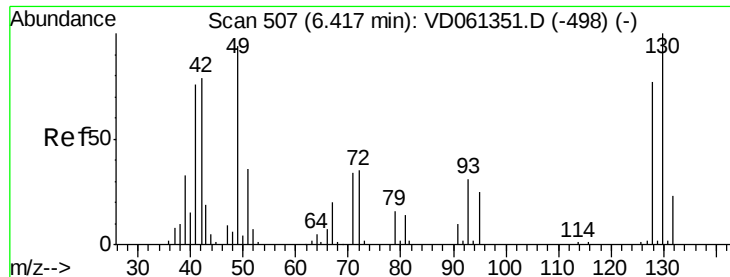
77 24.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 102.012 ug/l

RT: 6.41 min Scan# 507

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 539468

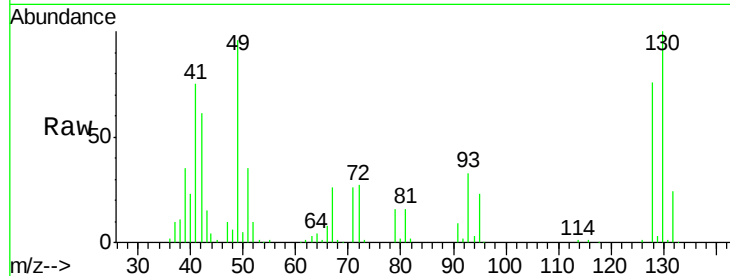
Ion Ratio Lower Upper

41 100

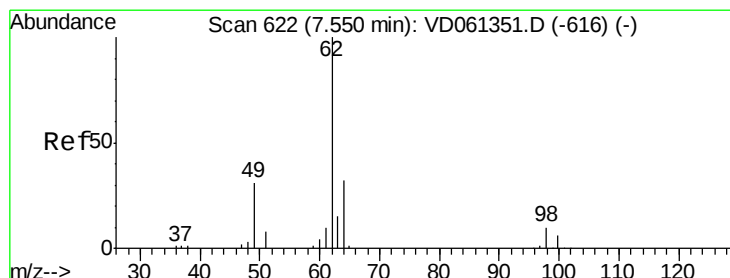
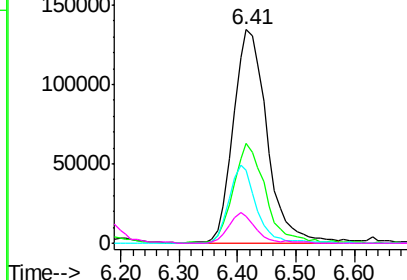
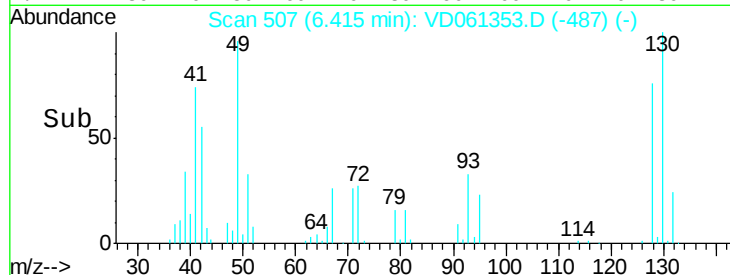
39 46.7 35.0 52.6

67 34.0 21.0 31.6#

52 12.7 7.7 11.5#



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



#42

1,2-Dichloroethane

Concen: 100.967 ug/l

RT: 7.56 min Scan# 623

Delta R.T. 0.01 min

Lab File: VD061353.D

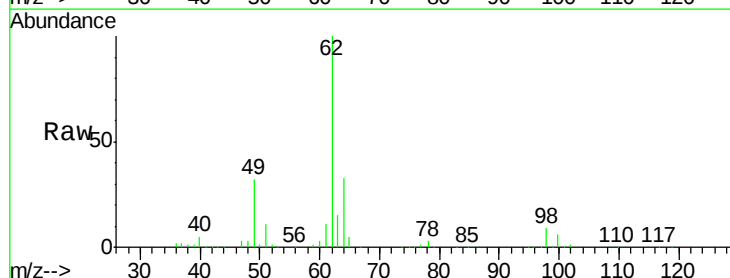
Acq: 27 Mar 2019 14:02

Tgt Ion: 62 Resp: 801298

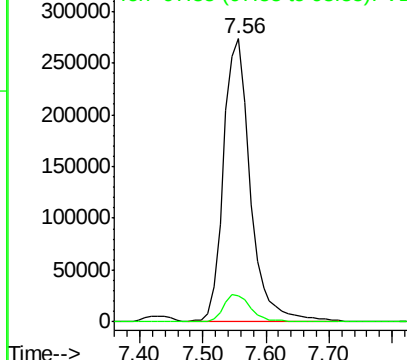
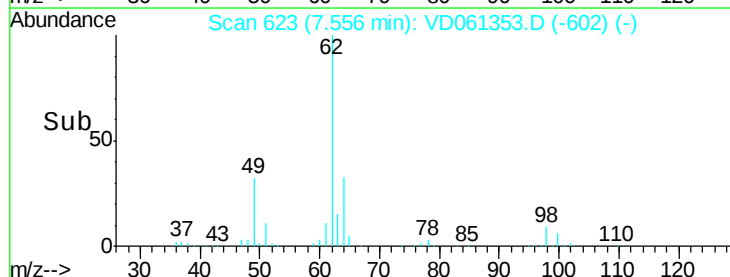
Ion Ratio Lower Upper

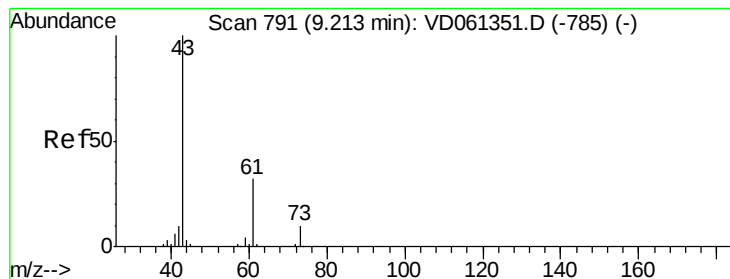
62 100

98 9.3 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 102.684 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

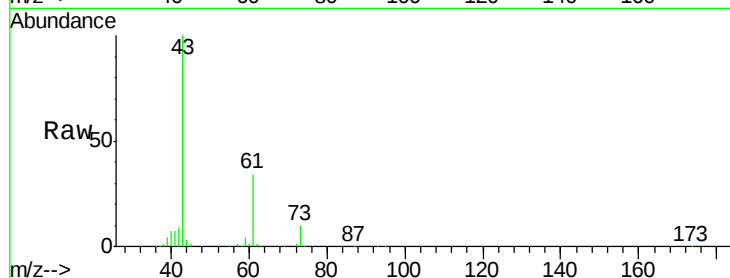
Tgt Ion: 43 Resp: 675477

Ion Ratio Lower Upper

43 100

61 33.8 25.8 38.6

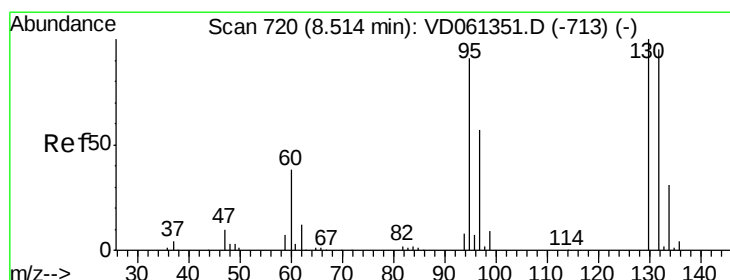
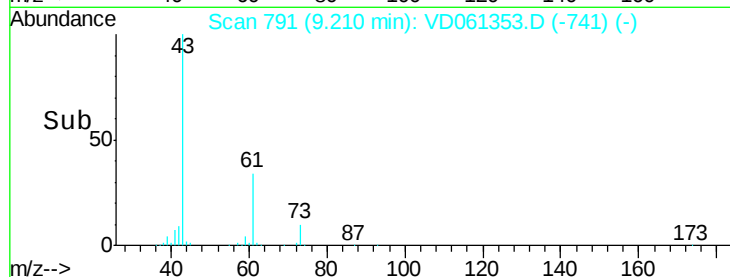
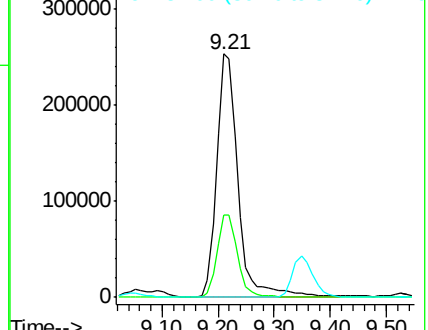
87 0.3 0.0 0.0#



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: 104.340 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.00 min

Lab File: VD061353.D

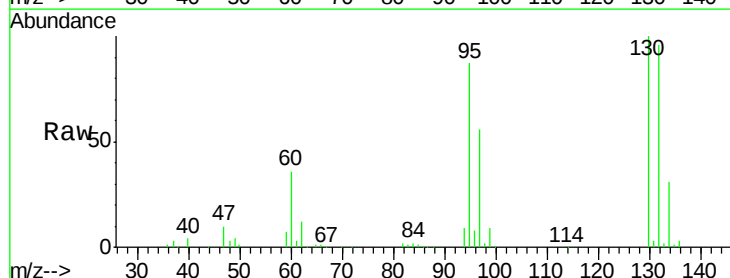
Acq: 27 Mar 2019 14:02

Tgt Ion:130 Resp: 1030214

Ion Ratio Lower Upper

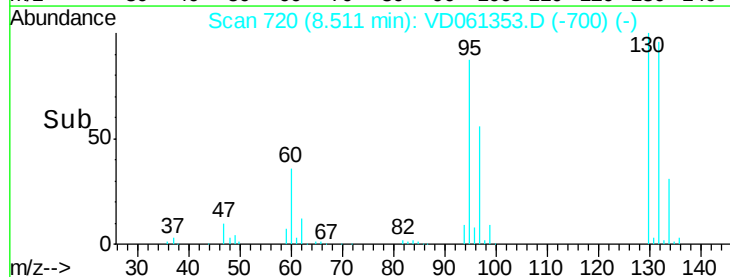
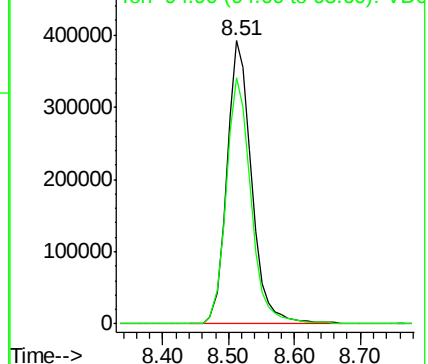
130 100

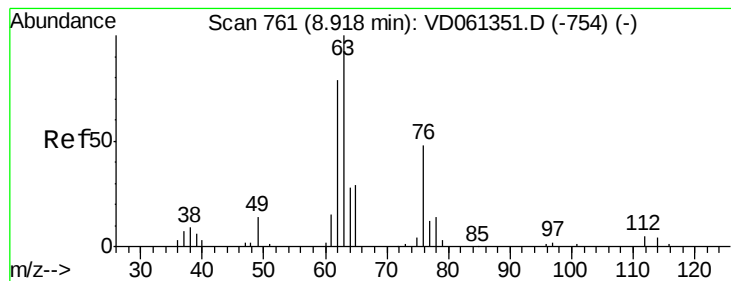
95 87.0 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 102.534 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

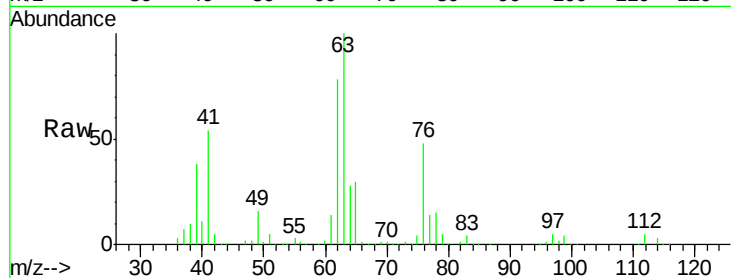
VSTDIC100

Tgt Ion: 63 Resp: 689808

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

250000

200000

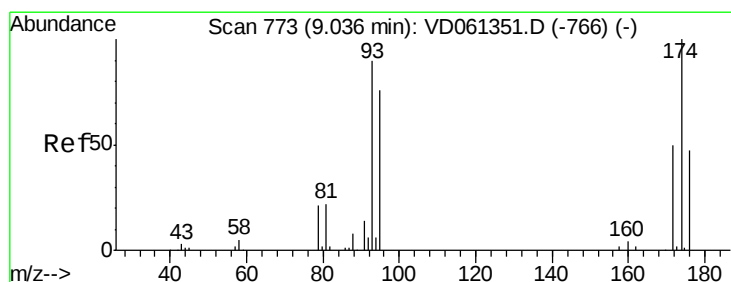
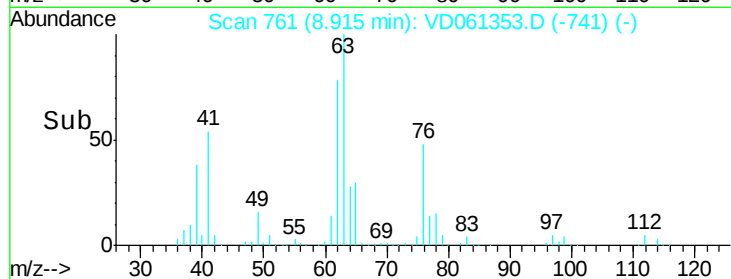
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 105.625 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

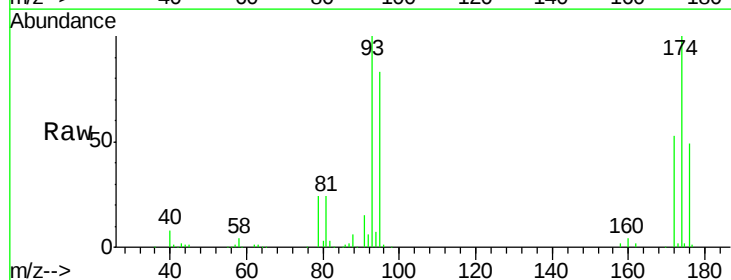
Tgt Ion: 93 Resp: 478289

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

174 100.4 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.03

250000

200000

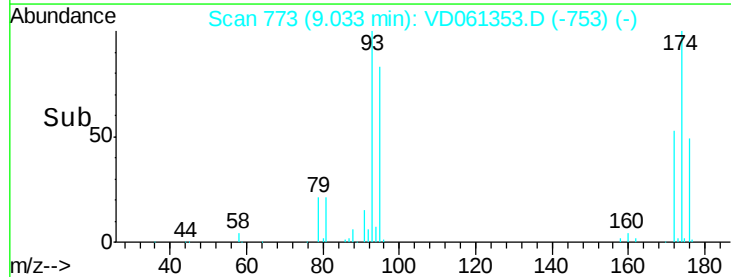
150000

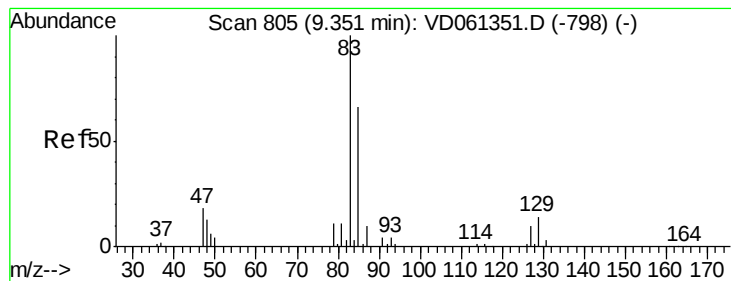
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 102.038 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

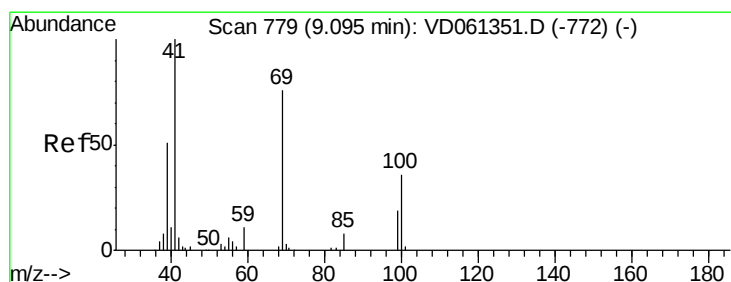
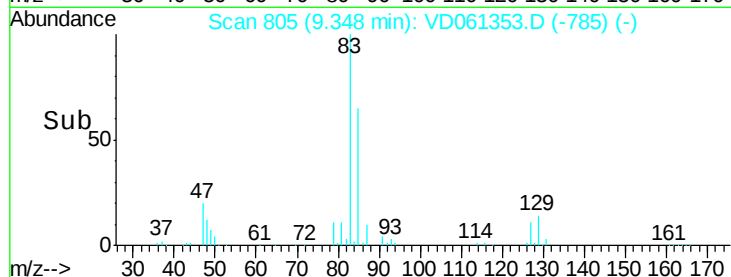
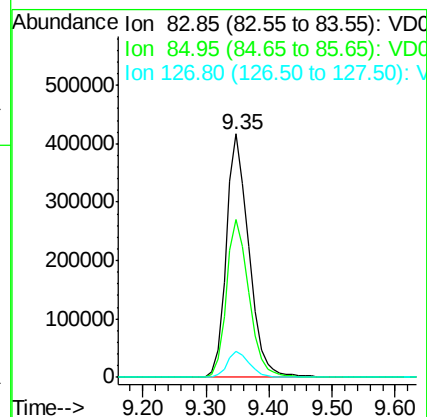
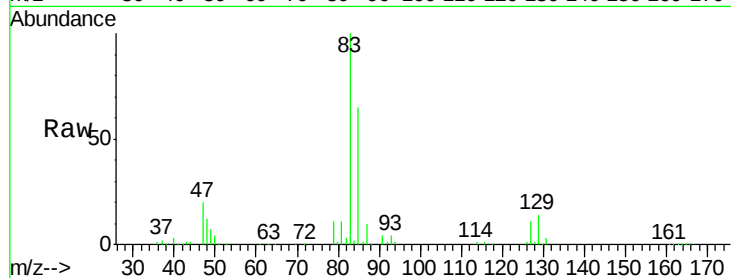
Tgt Ion: 83 Resp: 1037036

Ion Ratio Lower Upper

83 100

85 65.1 53.0 79.4

127 10.9 8.4 12.6



#48

Methyl methacrylate

Concen: 101.552 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

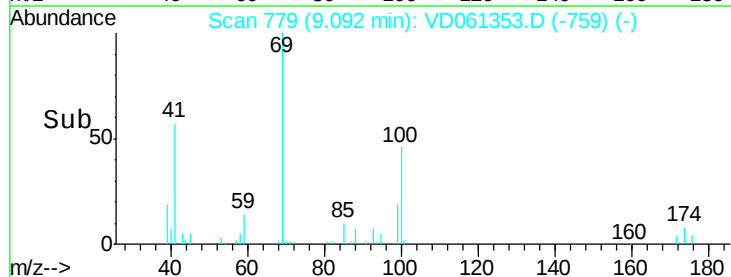
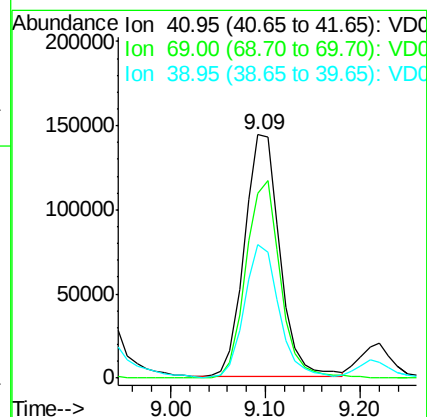
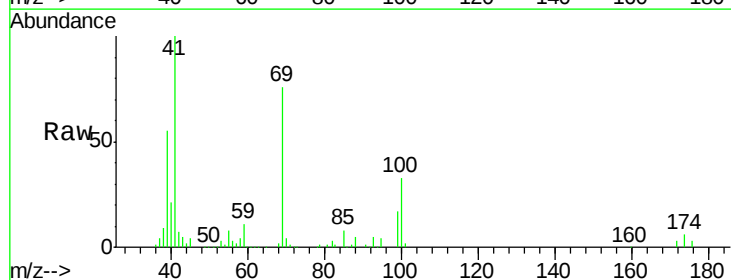
Tgt Ion: 41 Resp: 368679

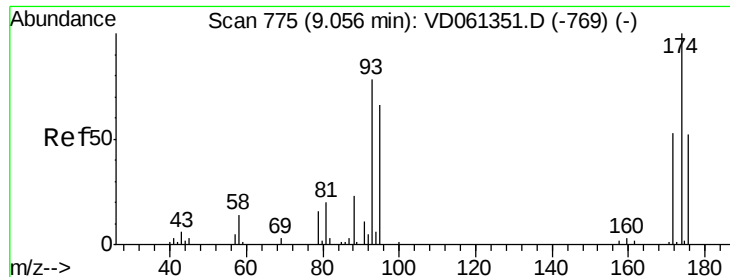
Ion Ratio Lower Upper

41 100

69 76.0 60.2 90.4

39 55.1 41.4 62.2





#49

1,4-Dioxane

Concen: 2240.794 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

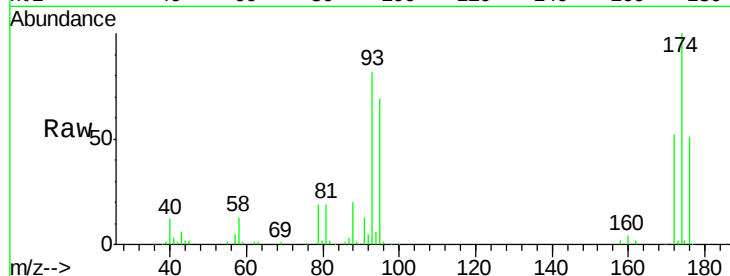
Tgt Ion: 88 Resp: 89729

Ion Ratio Lower Upper

88 100

43 29.4 23.3 34.9

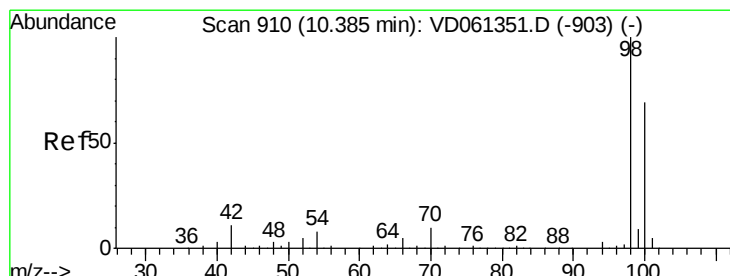
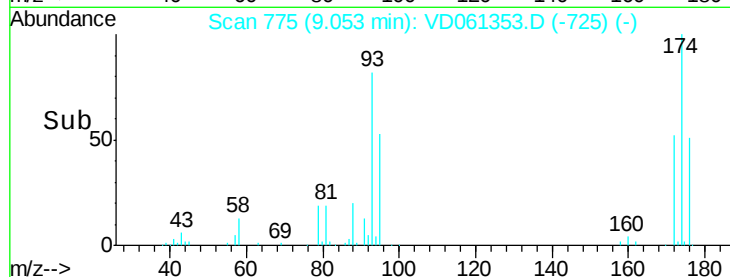
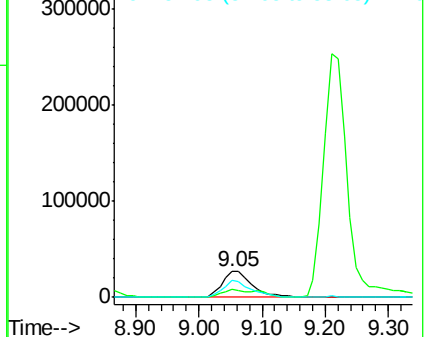
58 68.2 50.8 76.2



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: 2240.794 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061353.D

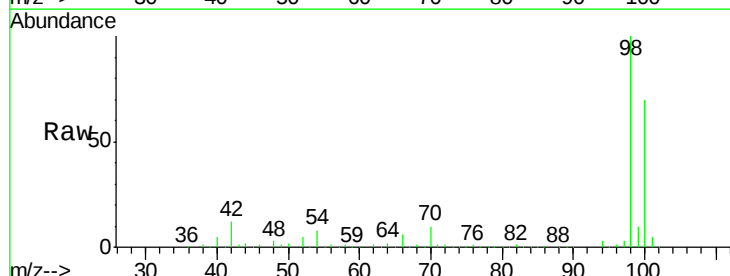
Acq: 27 Mar 2019 14:02

Tgt Ion: 98 Resp: 2150056

Ion Ratio Lower Upper

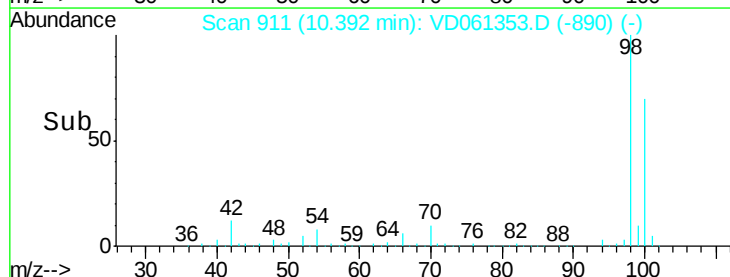
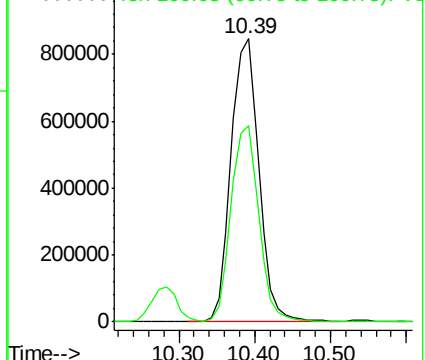
98 100

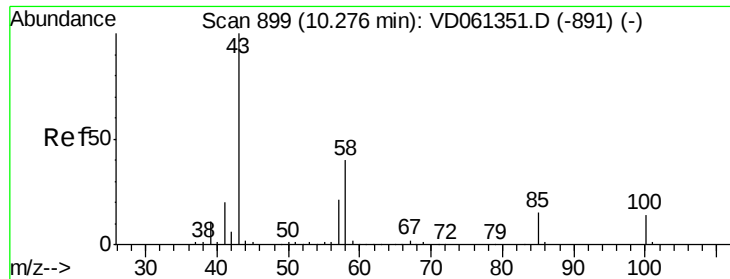
100 69.6 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

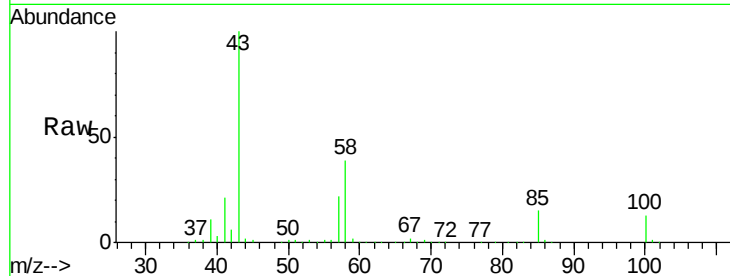




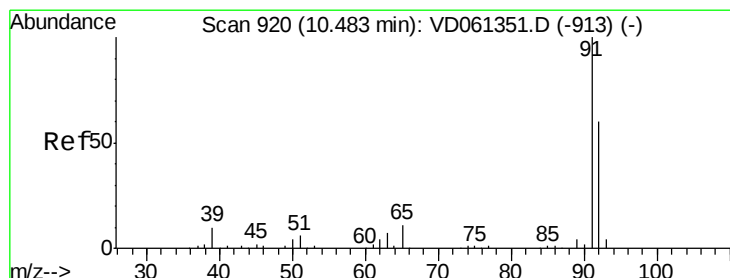
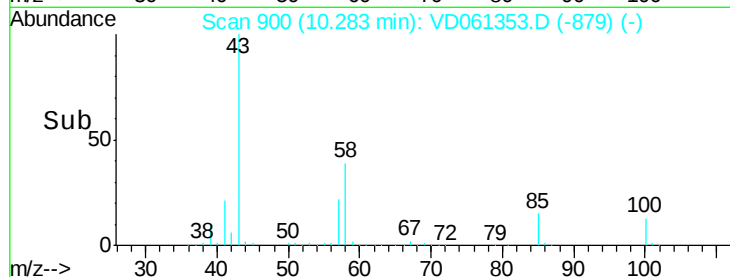
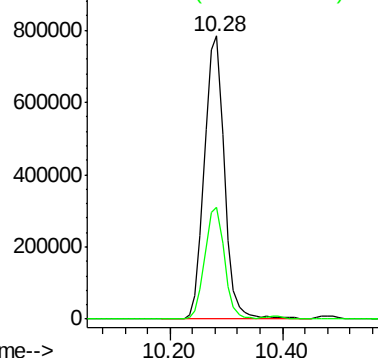
#51
 4-Methyl-2-Pentanone
 Concen: 485.774 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 1943707
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8

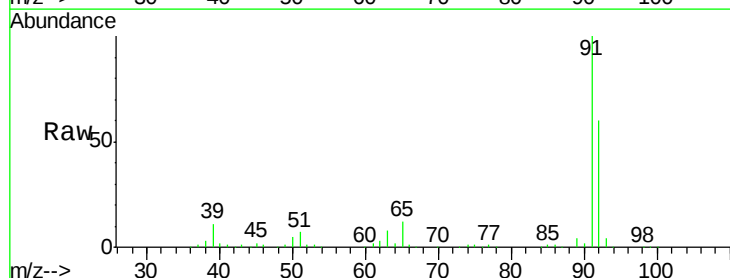


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

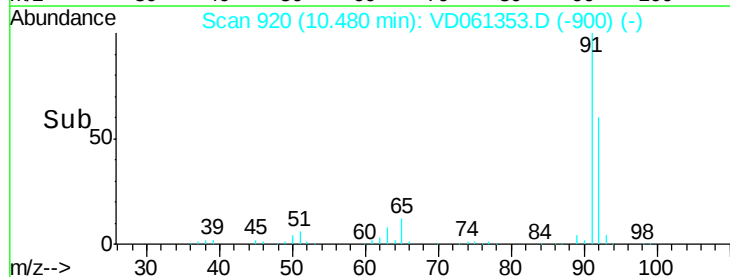
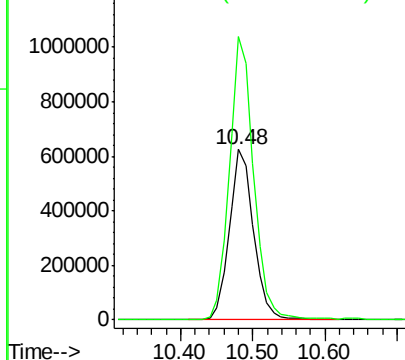


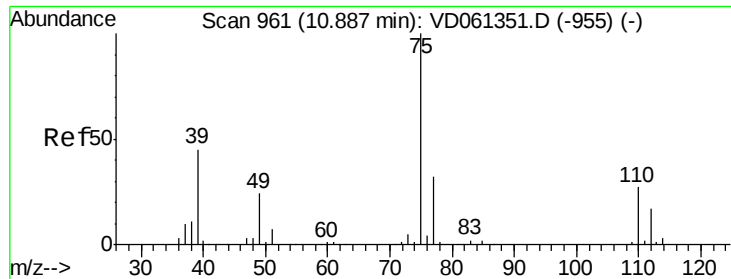
#52
 Toluene
 Concen: 90.344 ug/l
 RT: 10.48 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion: 92 Resp: 1462323
 Ion Ratio Lower Upper
 92 100
 91 166.1 133.3 199.9



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

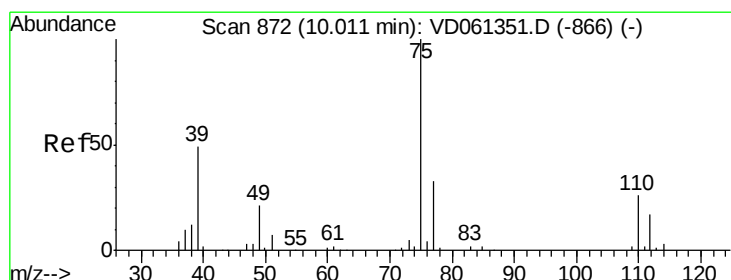
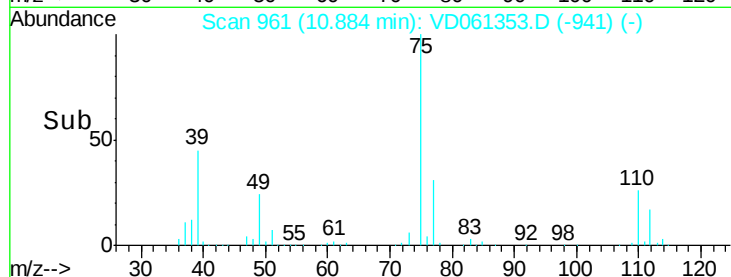
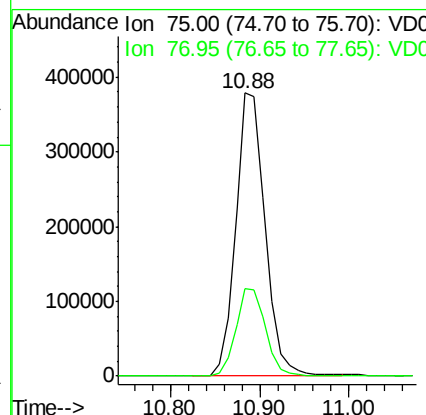
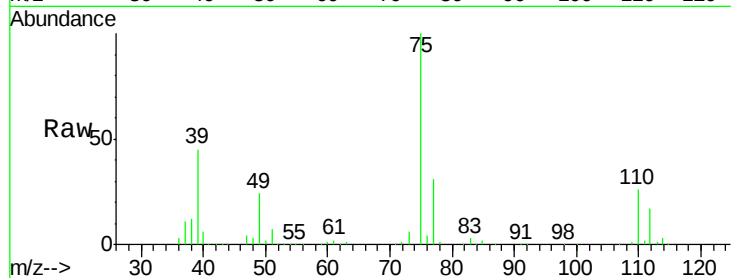




#53
 t-1,3-Dichloropropene
 Concen: 94.388 ug/l
 RT: 10.88 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

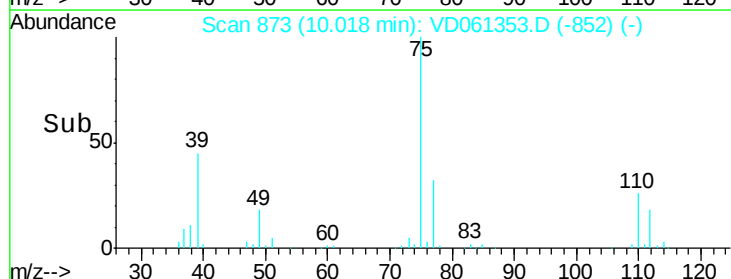
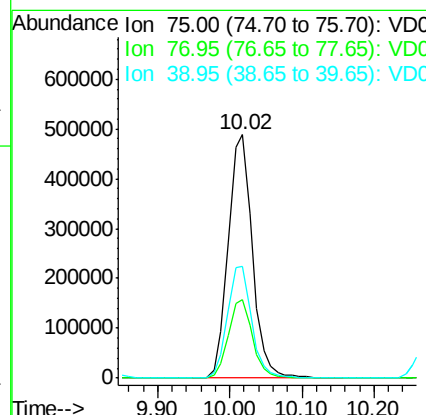
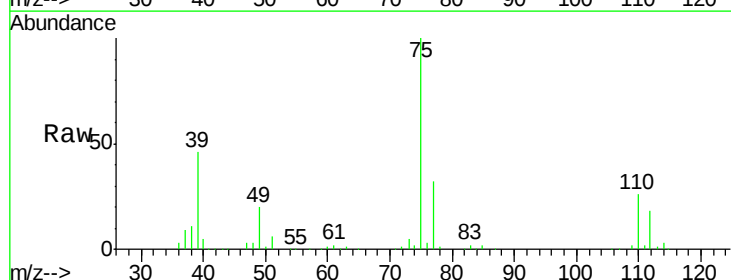
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

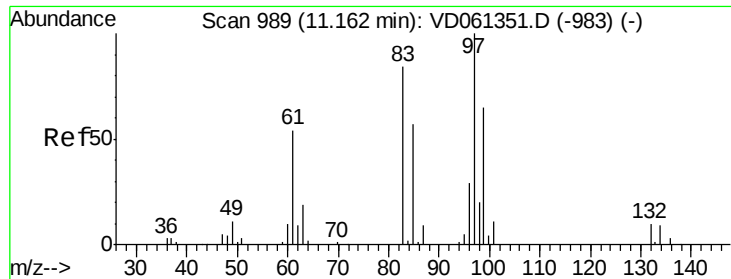
Tgt Ion: 75 Resp: 871568
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 100.866 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion: 75 Resp: 1134114
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4
 39 45.7 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 95.894 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 542824

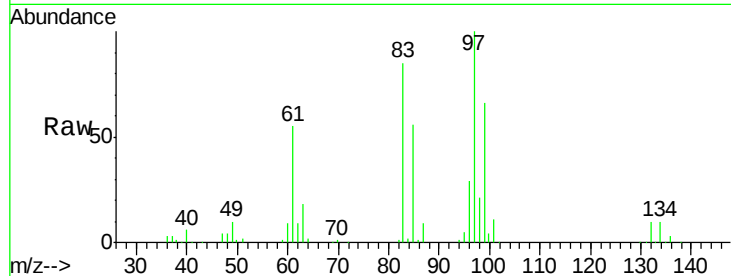
Ion Ratio Lower Upper

97 100

83 85.3 67.0 100.6

85 56.3 45.4 68.2

99 65.9 51.9 77.9

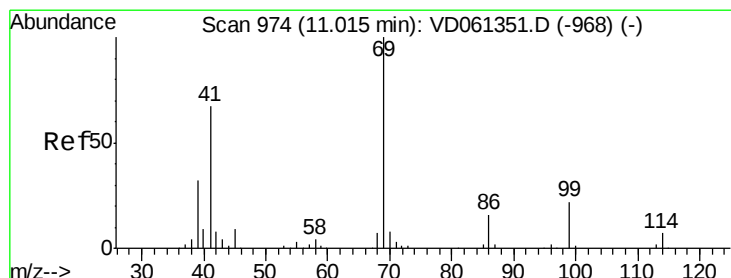
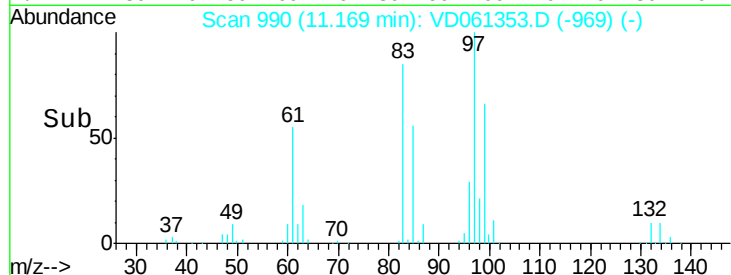
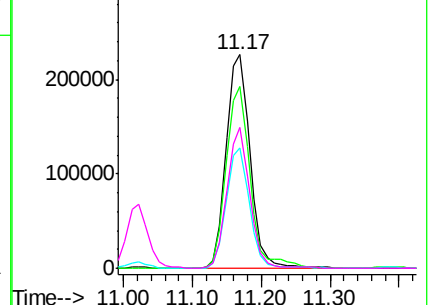


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 105.335 ug/l

RT: 11.02 min Scan# 975

Delta R.T. 0.01 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

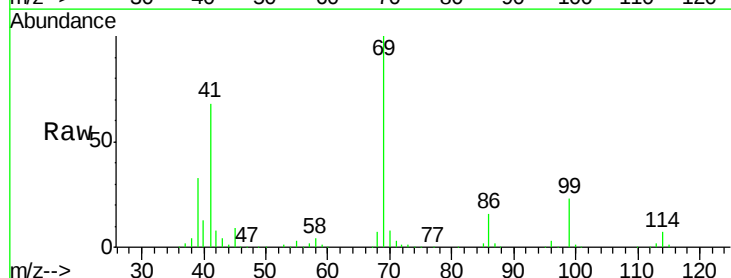
Tgt Ion: 69 Resp: 640552

Ion Ratio Lower Upper

69 100

41 67.6 53.8 80.6

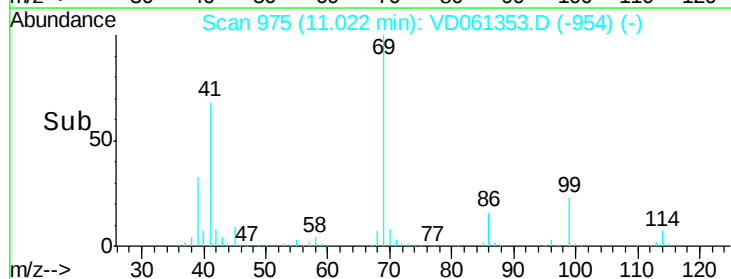
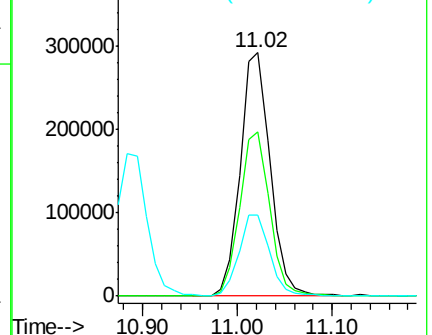
39 33.2 26.4 39.6

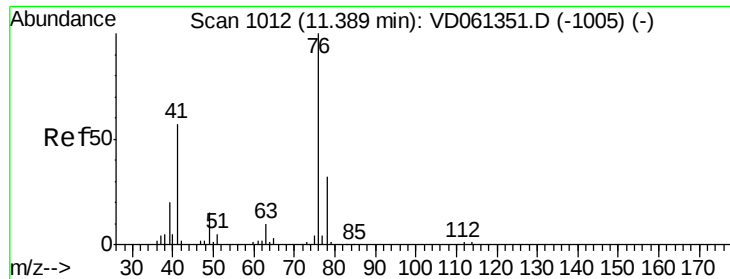


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 93.728 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

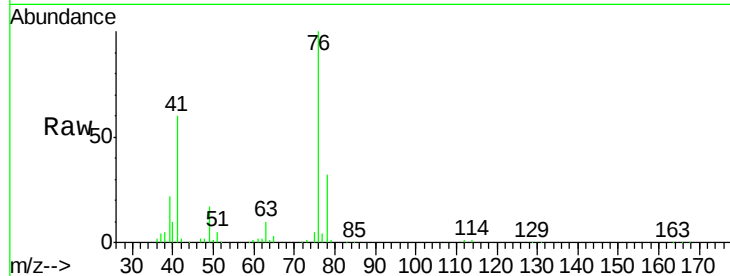
VSTDIC100

Tgt Ion: 76 Resp: 779829

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

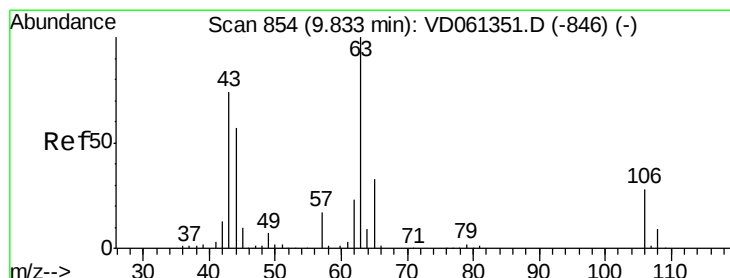
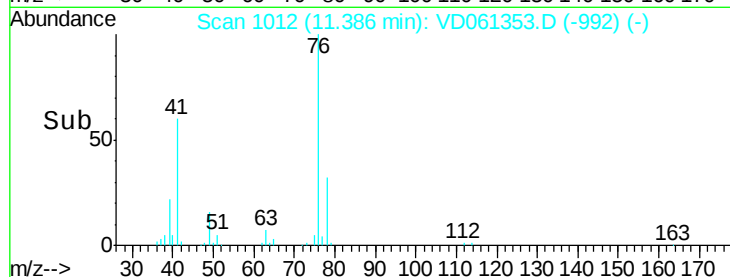
300000

200000

100000

0

Time--> 11.20 11.40 11.60



#58

2-Chloroethyl Vinyl ether

Concen: 463.556 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.00 min

Lab File: VD061353.D

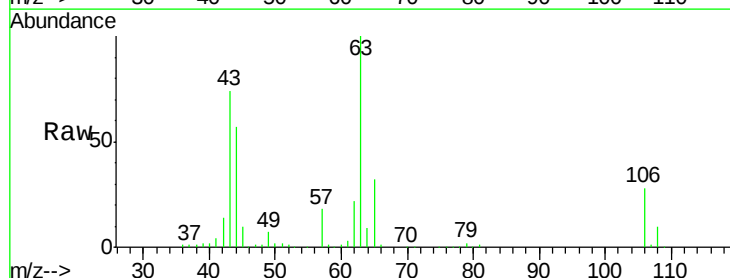
Acq: 27 Mar 2019 14:02

Tgt Ion: 63 Resp: 1372800

Ion Ratio Lower Upper

63 100

106 28.4 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

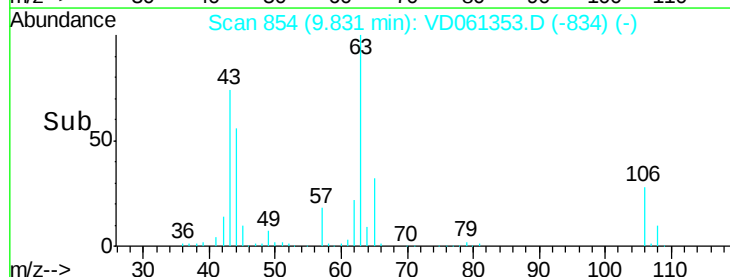
600000

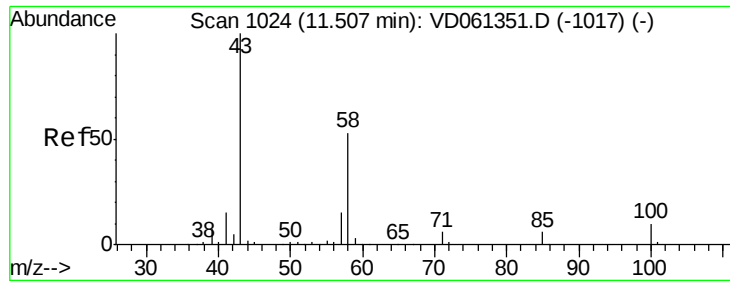
400000

200000

0

Time--> 9.70 9.80 9.90 10.00

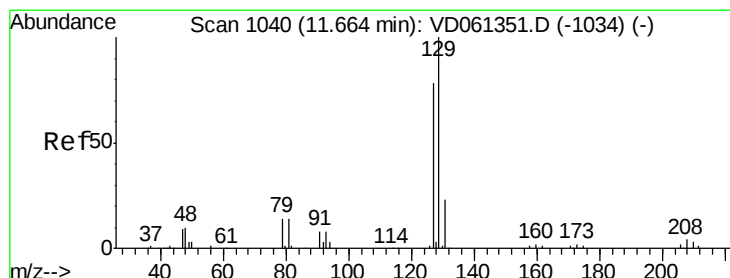
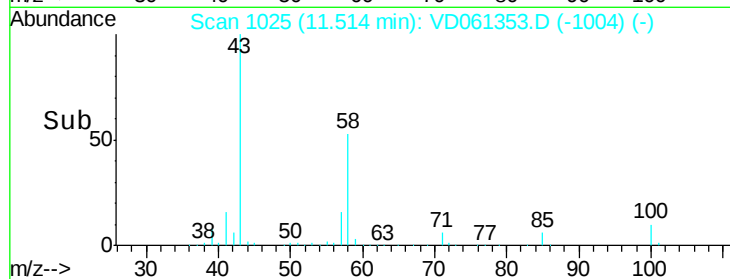
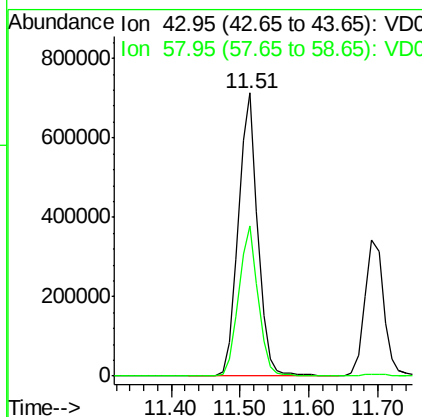
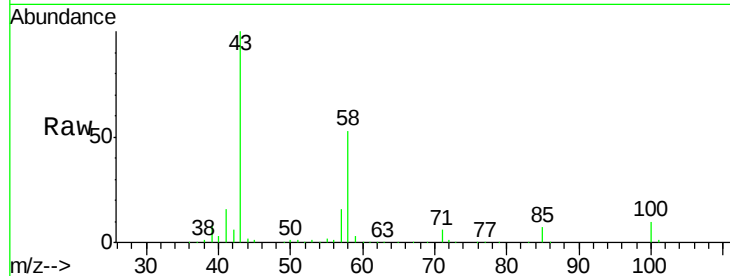




#59
2-Hexanone
Concen: 480.650 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

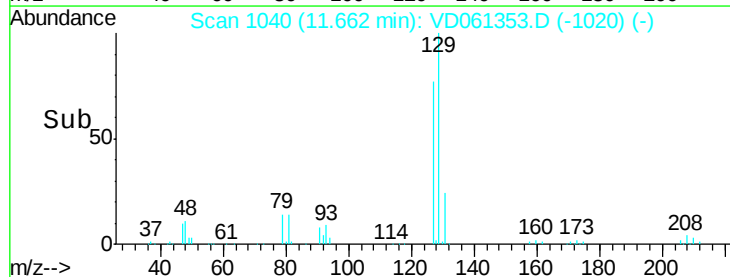
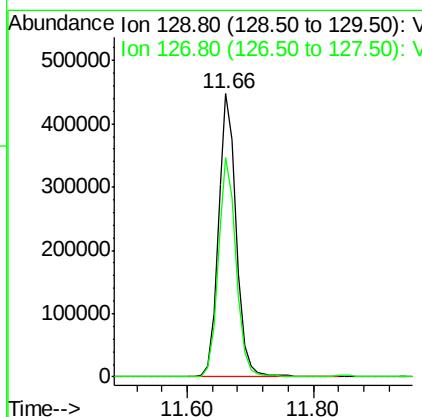
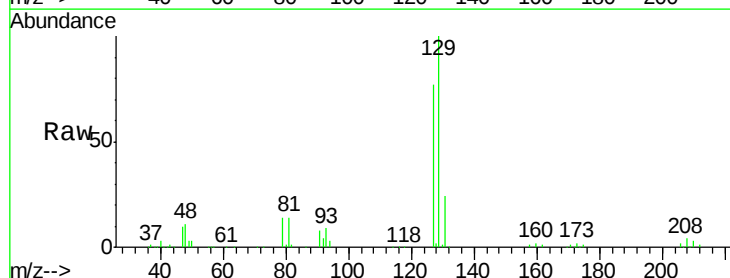
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

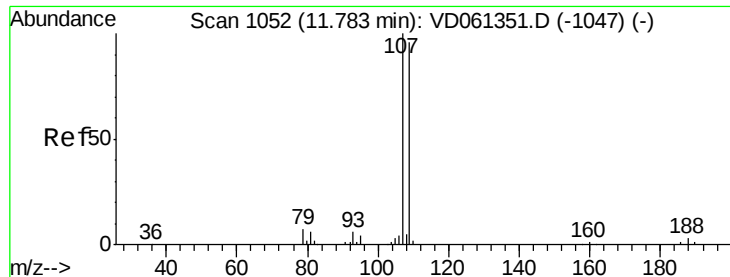
Tgt Ion: 43 Resp: 1393724
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.9



#60
Dibromochloromethane
Concen: 101.528 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 129 Resp: 885989
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9

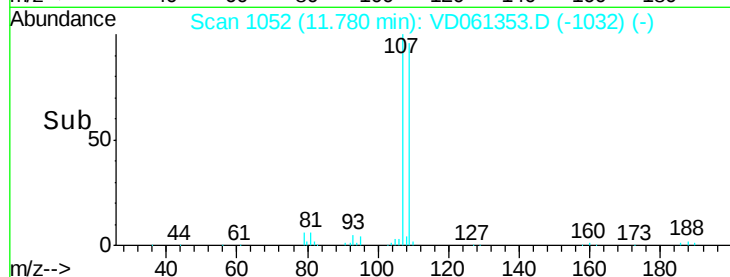
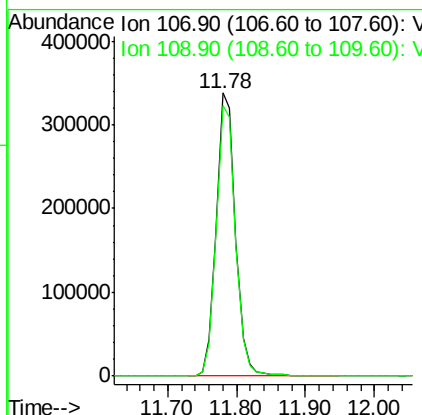
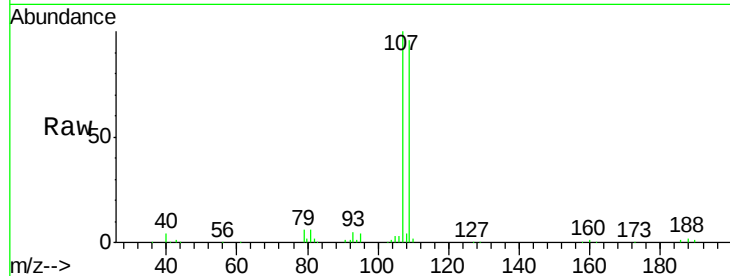




#61
 1,2-Dibromoethane
 Concen: 99.577 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

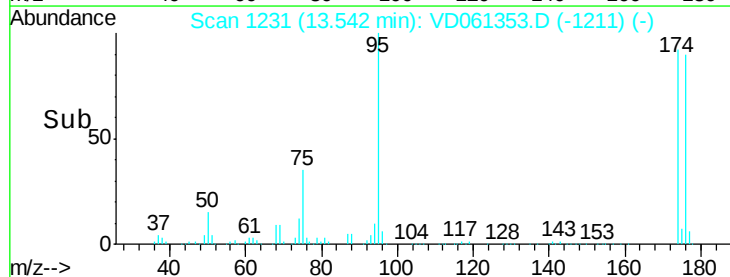
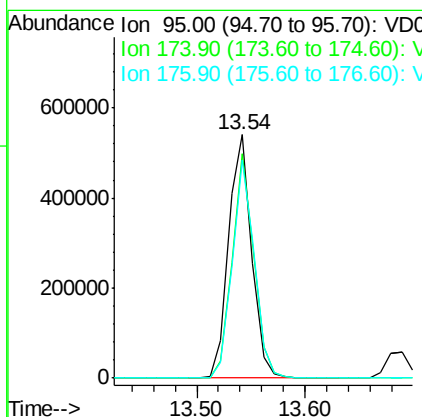
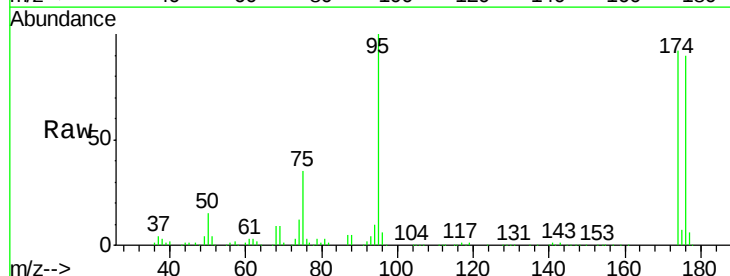
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 652706
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 99.577 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion: 95 Resp: 800977
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 178.0
 176 89.7 0.0 175.0

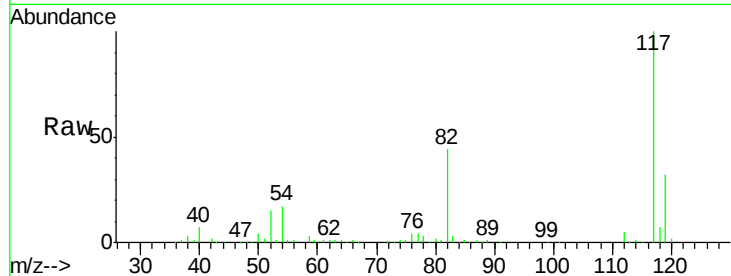




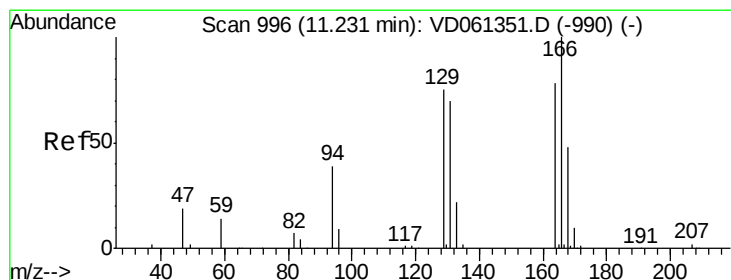
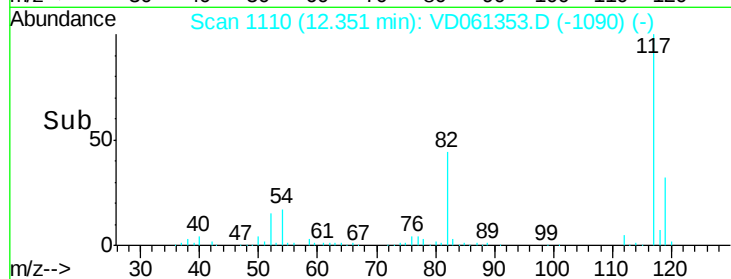
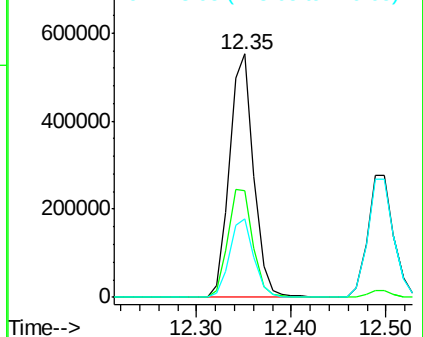
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 973618
Ion Ratio Lower Upper
117 100
82 44.0 34.4 51.6
119 32.3 25.8 38.6



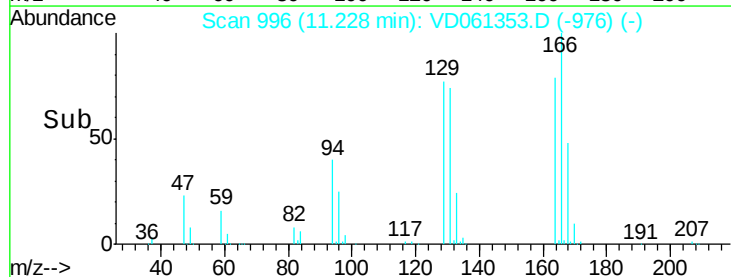
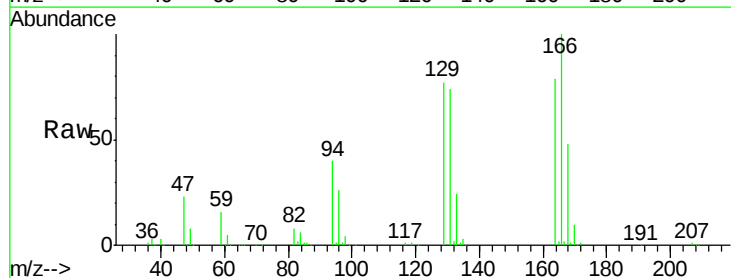
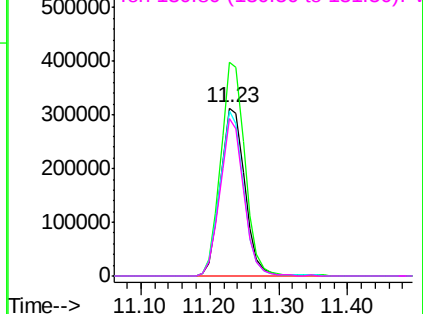
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

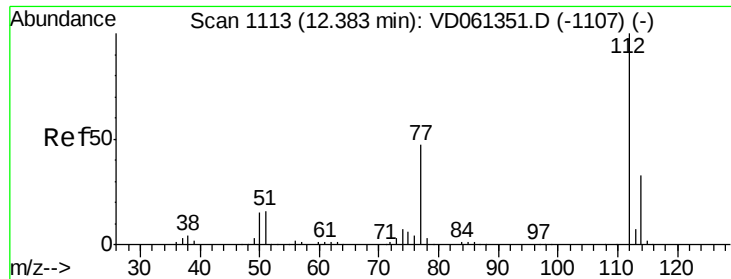


#64
Tetrachloroethene
Concen: 100.404 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion:164 Resp: 767205
Ion Ratio Lower Upper
164 100
166 127.2 102.4 153.6
129 98.0 76.8 115.2
131 94.1 71.8 107.6

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

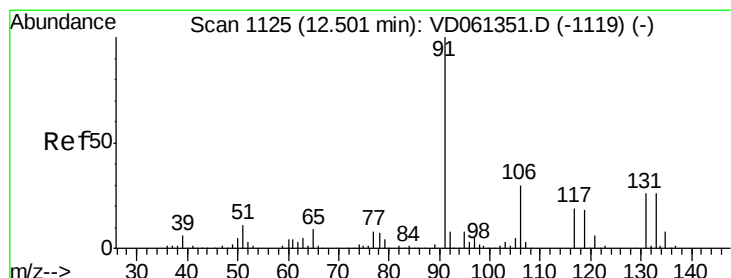
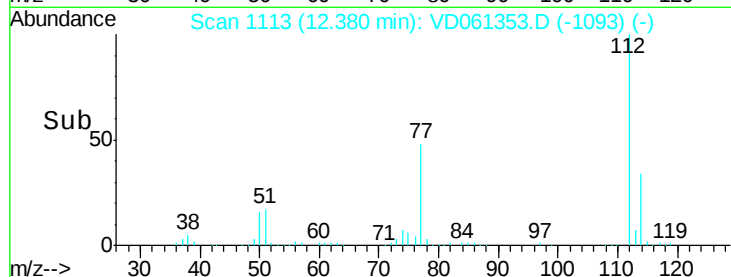
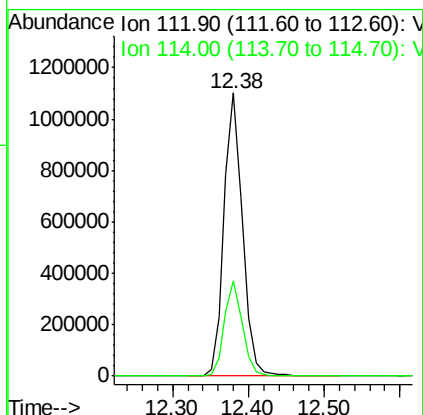
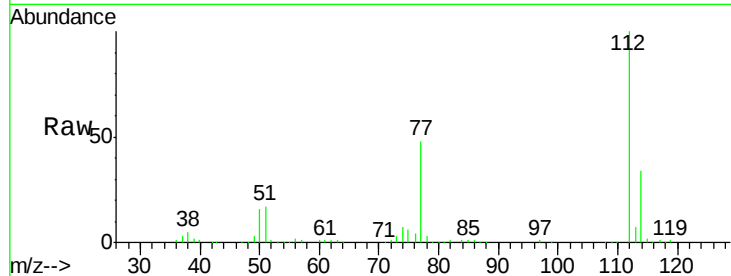




#65
Chlorobenzene
Concen: 93.950 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

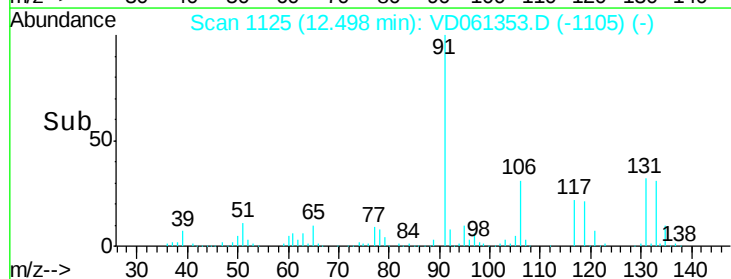
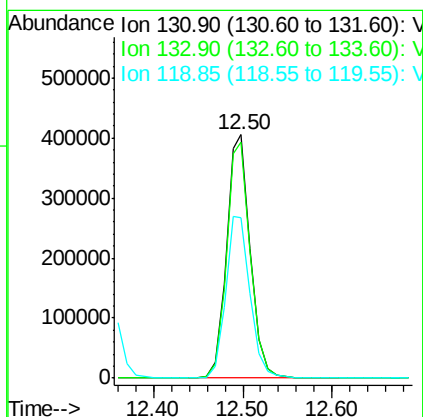
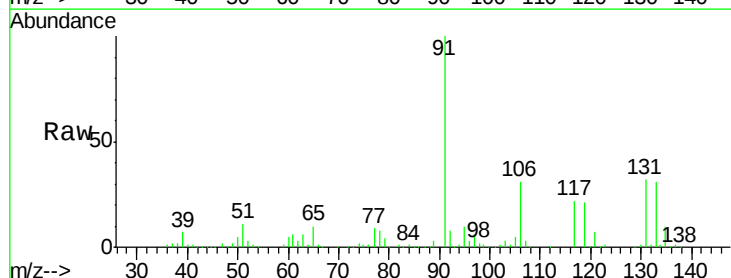
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 1869374
Ion Ratio Lower Upper
112 100
114 33.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 98.542 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion:131 Resp: 759179
Ion Ratio Lower Upper
131 100
133 97.1 49.4 148.2
119 66.0 34.1 102.2





#67

Ethyl Benzene

Concen: 92.145 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

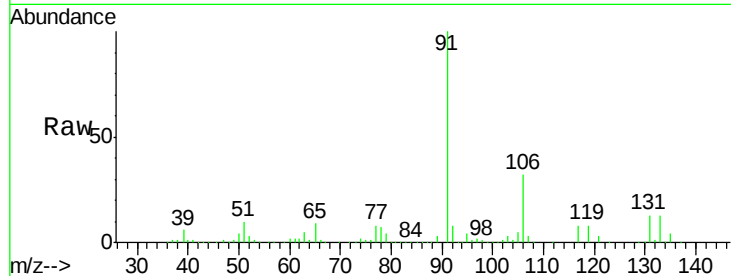
VSTDIC100

Tgt Ion: 91 Resp: 2798517

Ion Ratio Lower Upper

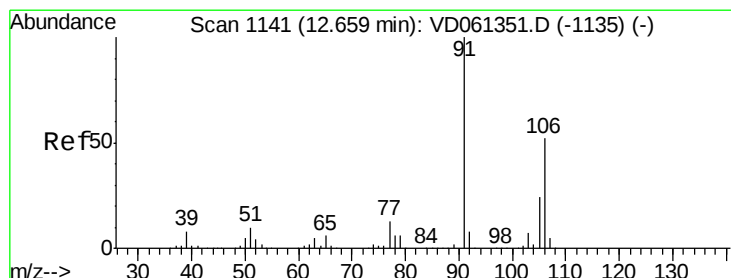
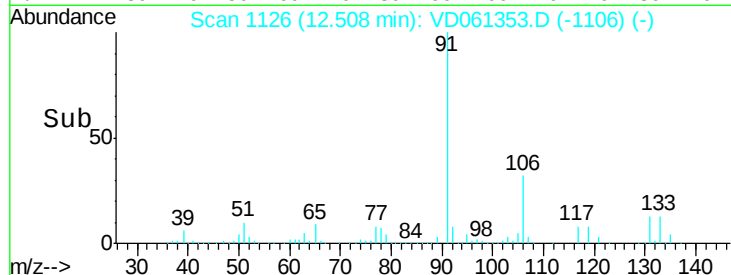
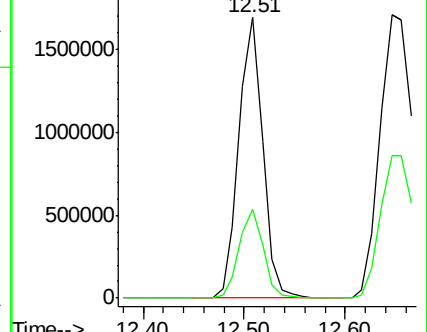
91 100

106 31.9 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 169.641 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061353.D

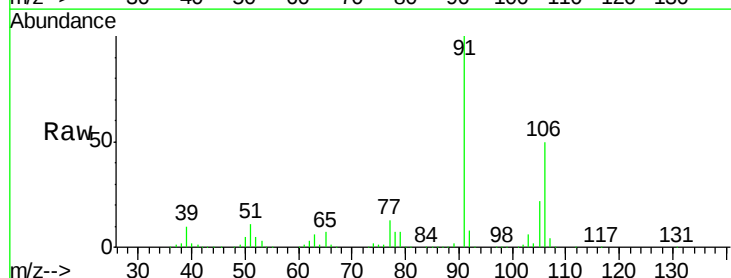
Acq: 27 Mar 2019 14:02

Tgt Ion: 106 Resp: 1951659

Ion Ratio Lower Upper

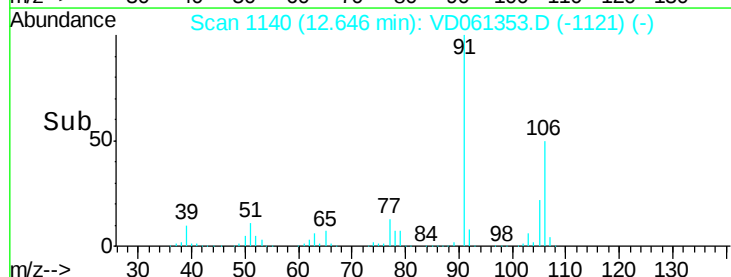
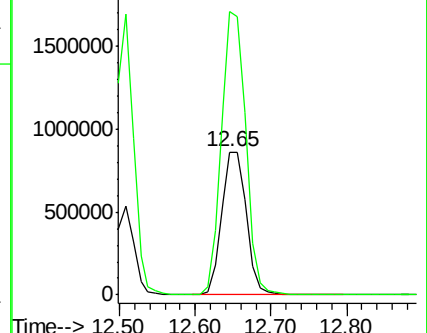
106 100

91 198.4 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

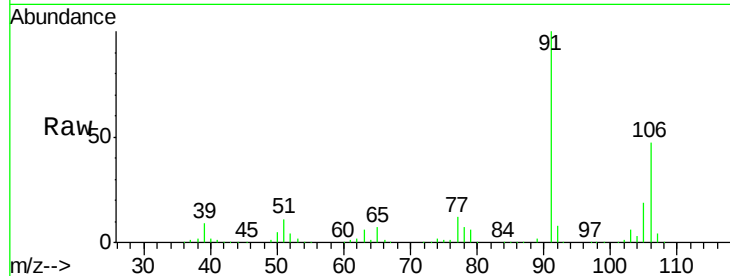




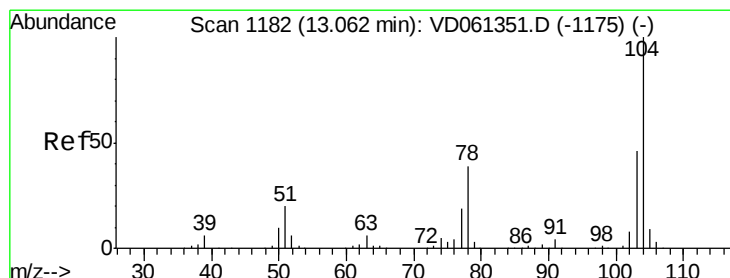
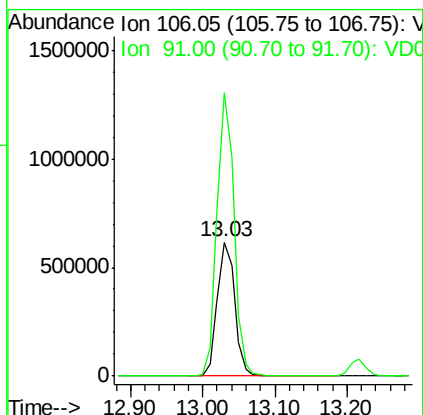
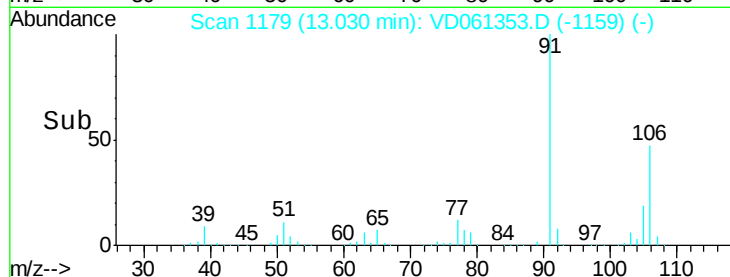
#69
o-Xylene
Concen: 91.257 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1018820
Ion Ratio Lower Upper
106 100
91 211.5 103.8 311.3

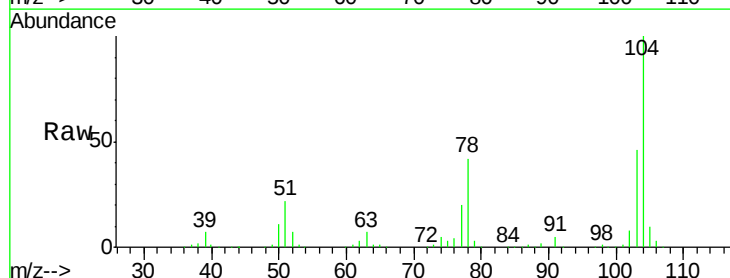


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

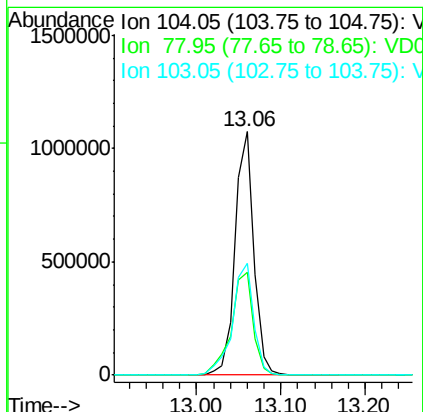
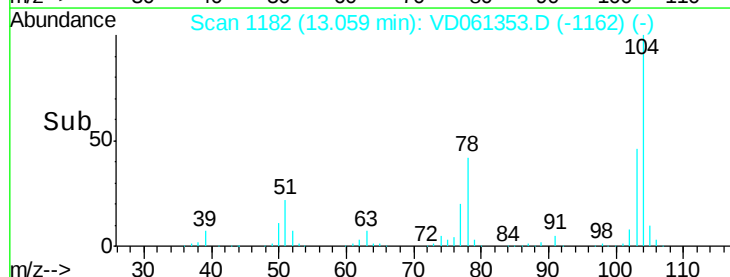


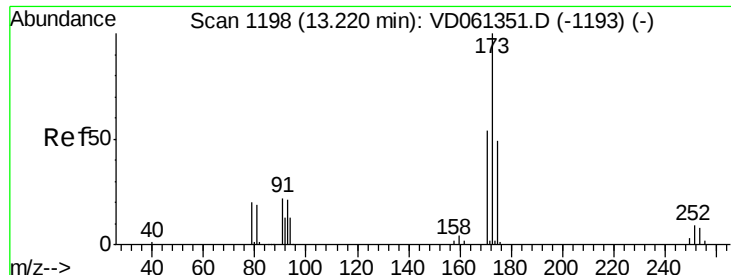
#70
Styrene
Concen: 85.109 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion:104 Resp: 1656354
Ion Ratio Lower Upper
104 100
78 42.1 31.0 46.6
103 46.0 37.0 55.4



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: 102.636 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

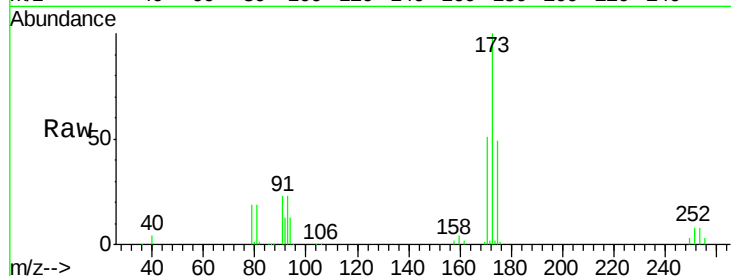
Tgt Ion:173 Resp: 501243

Ion Ratio Lower Upper

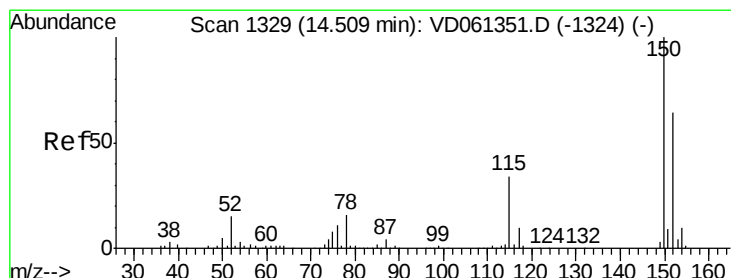
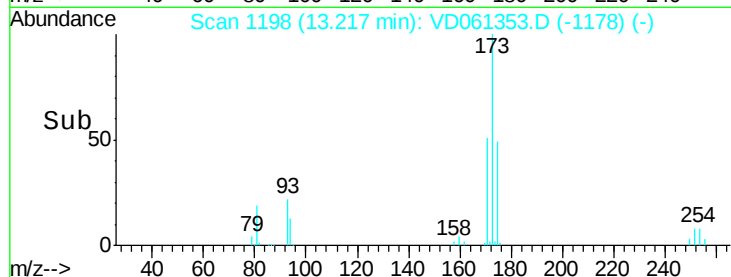
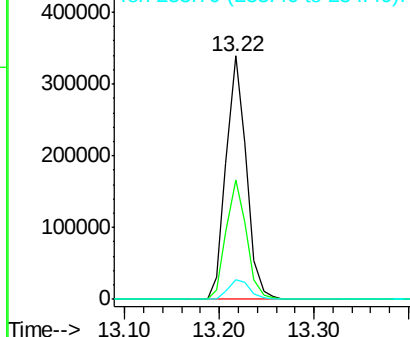
173 100

175 49.3 24.6 73.8

254 8.2 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

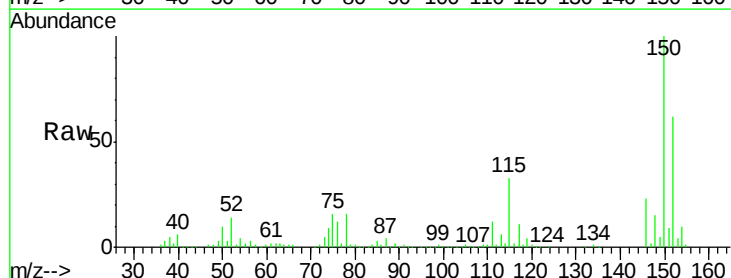
Tgt Ion:152 Resp: 377581

Ion Ratio Lower Upper

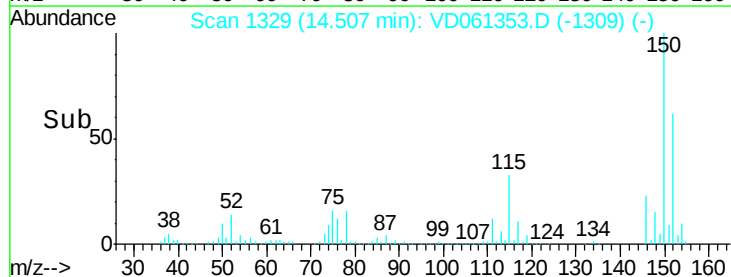
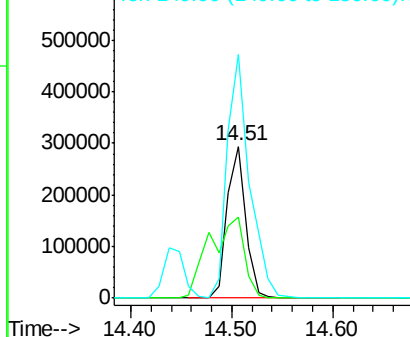
152 100

115 53.5 26.9 80.6

150 160.4 0.0 318.0



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: 101.699 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

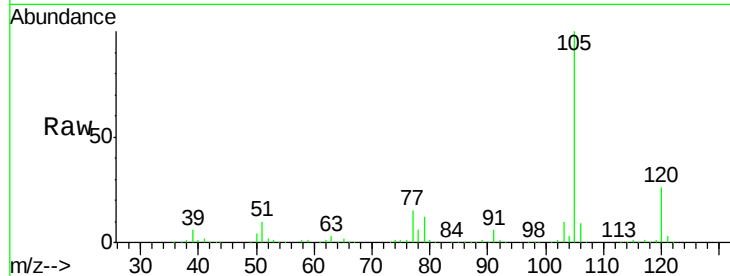
VSTDIC100

Tgt Ion:105 Resp: 2672574

Ion Ratio Lower Upper

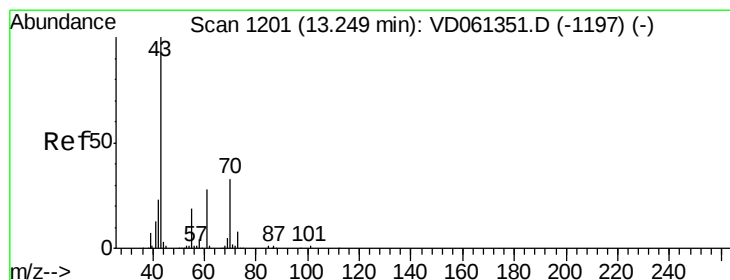
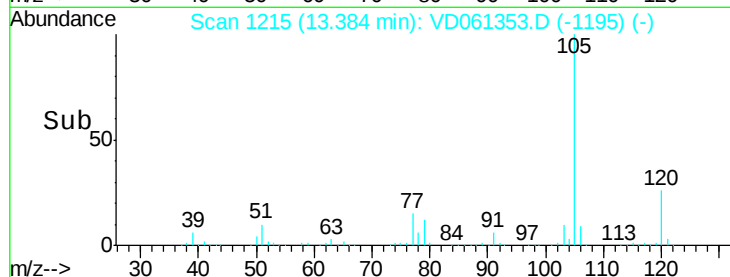
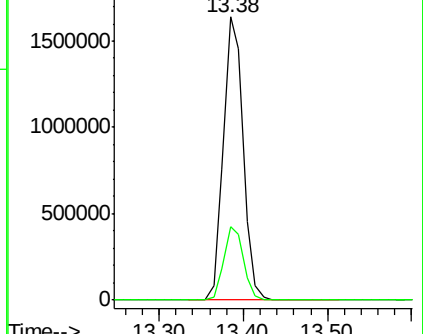
105 100

120 25.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 114.109 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Tgt Ion: 43 Resp: 835348

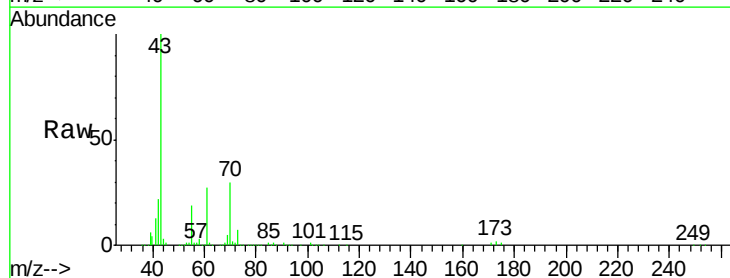
Ion Ratio Lower Upper

43 100

70 30.2 26.6 40.0

55 18.9 15.4 23.2

61 26.5 22.2 33.4

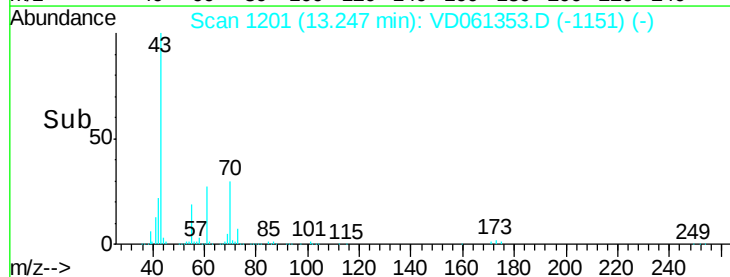
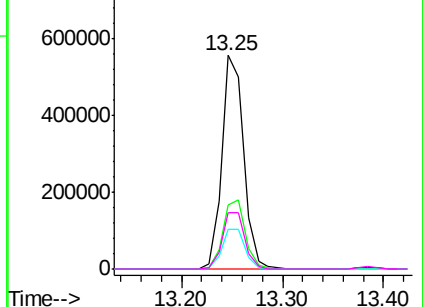


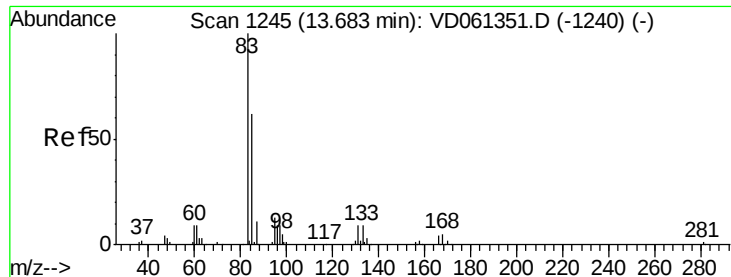
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 111.899 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

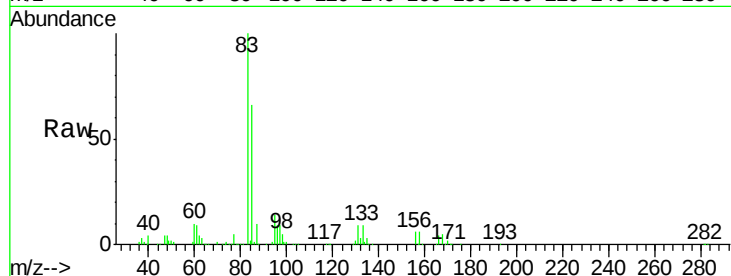
Tgt Ion: 83 Resp: 620327

Ion Ratio Lower Upper

83 100

131 8.7 4.3 13.1

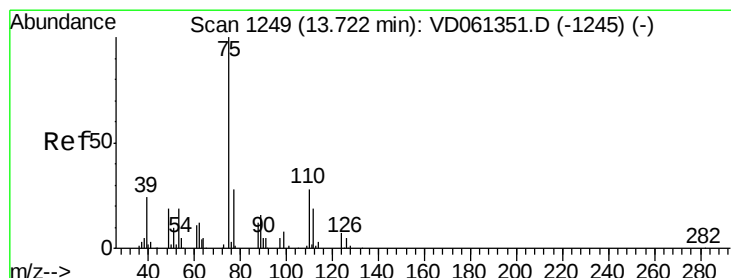
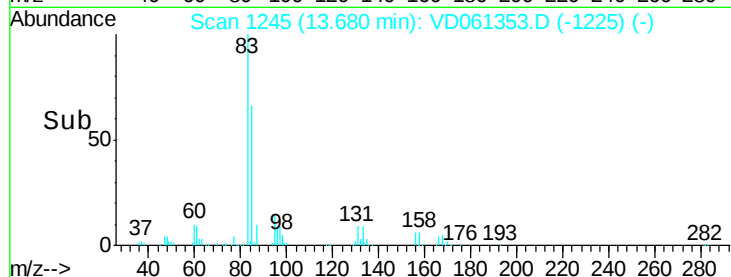
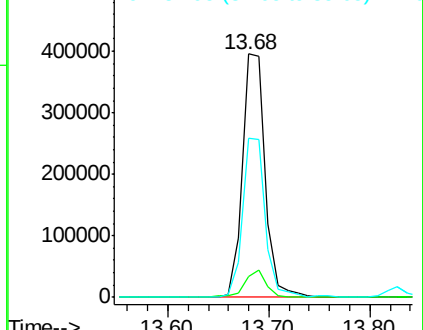
85 65.5 31.2 93.6



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: 112.269 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061353.D

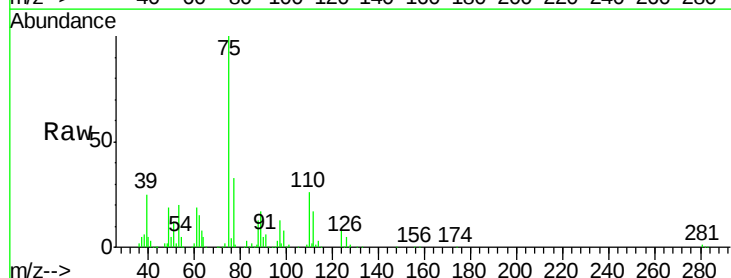
Acq: 27 Mar 2019 14:02

Tgt Ion: 75 Resp: 612345

Ion Ratio Lower Upper

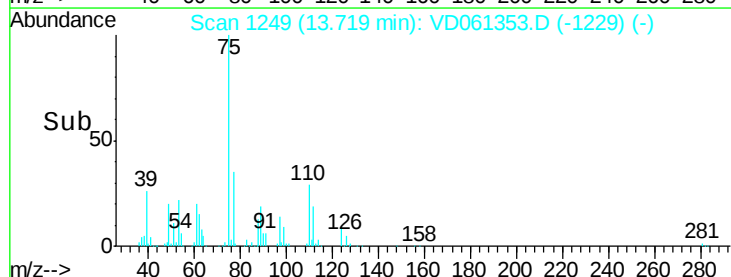
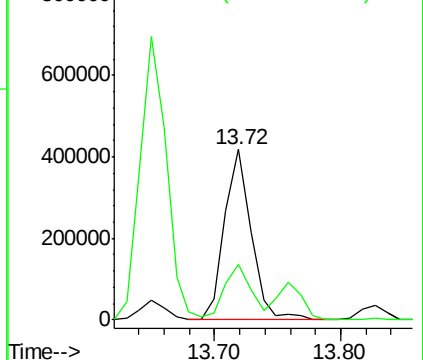
75 100

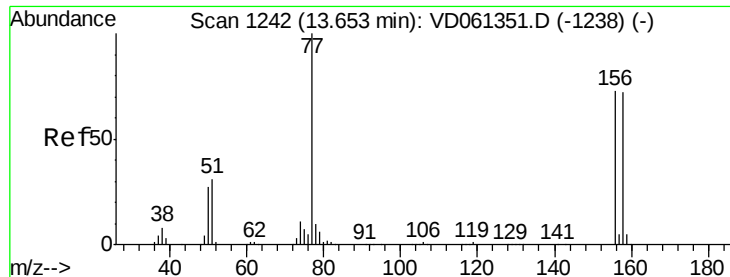
77 32.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 107.018 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

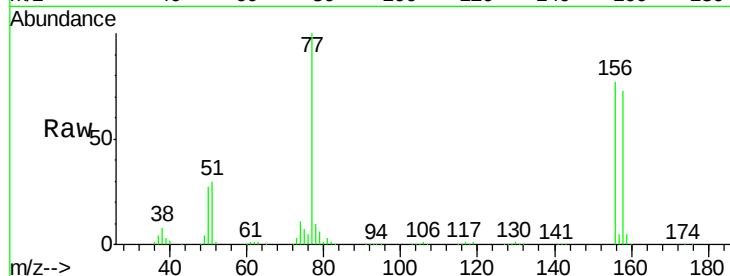
Tgt Ion:156 Resp: 833745

Ion Ratio Lower Upper

156 100

77 130.5 68.5 205.6

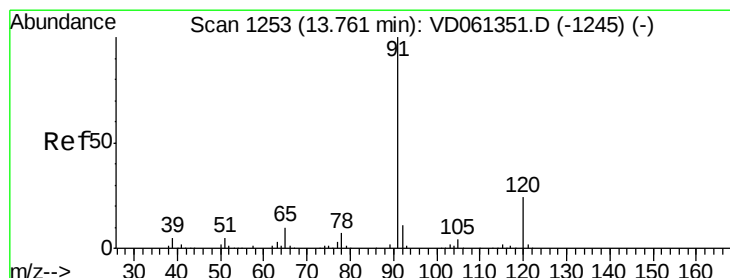
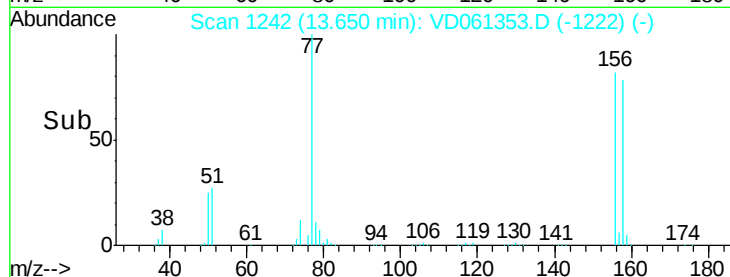
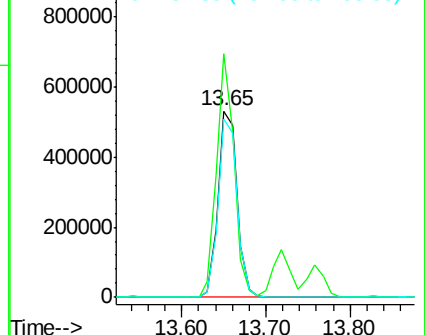
158 95.7 49.1 147.3



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: 107.751 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061353.D

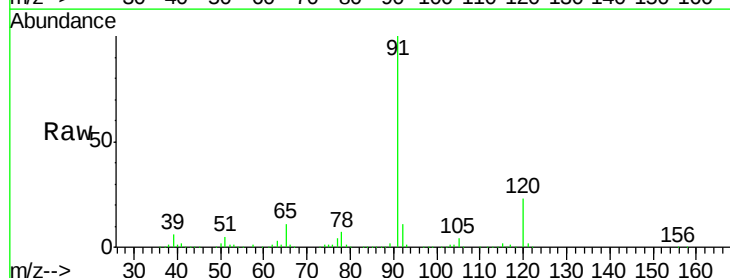
Acq: 27 Mar 2019 14:02

Tgt Ion: 91 Resp: 3465246

Ion Ratio Lower Upper

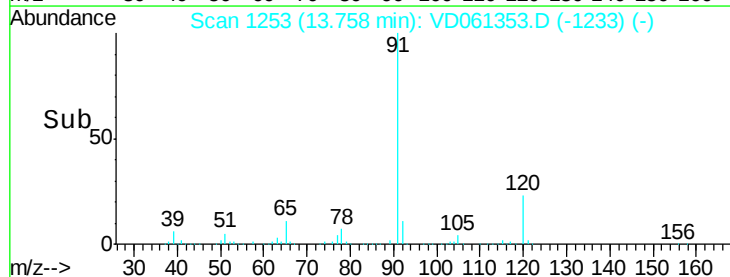
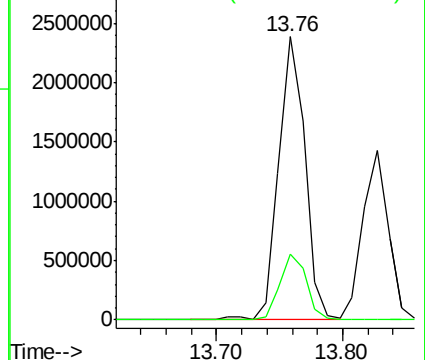
91 100

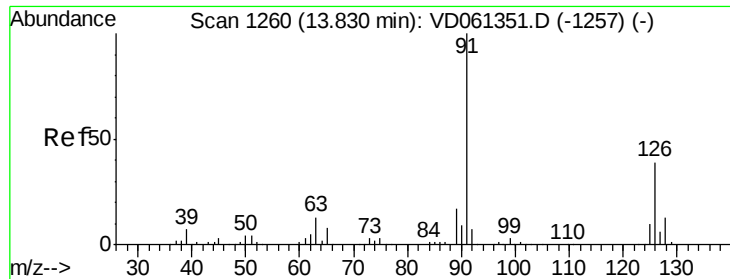
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 113.890 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

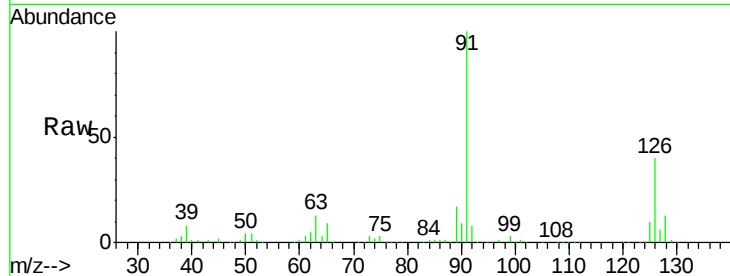
VSTDICC100

Tgt Ion: 91 Resp: 1989074

Ion Ratio Lower Upper

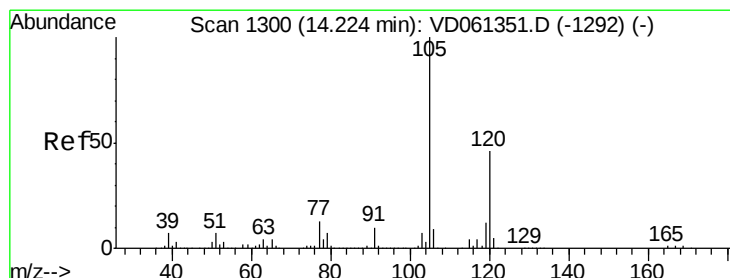
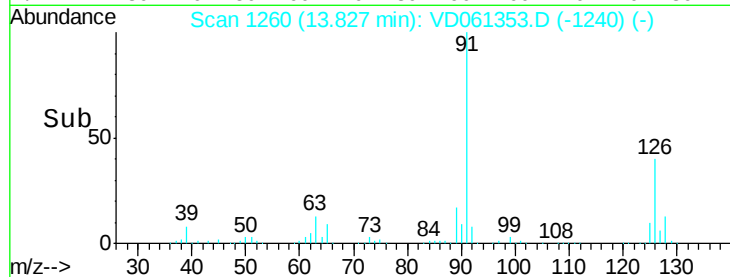
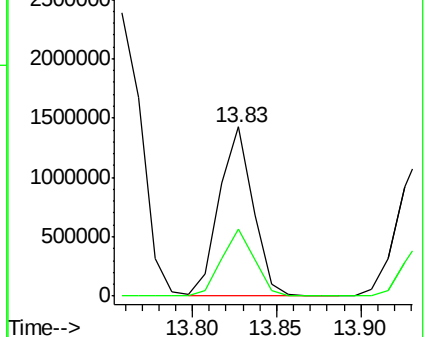
91 100

126 39.8 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.276 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD061353.D

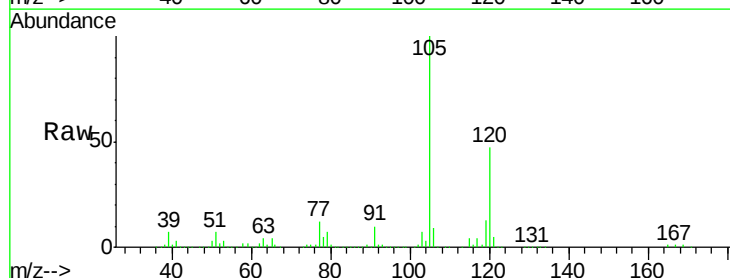
Acq: 27 Mar 2019 14:02

Tgt Ion: 105 Resp: 2036945

Ion Ratio Lower Upper

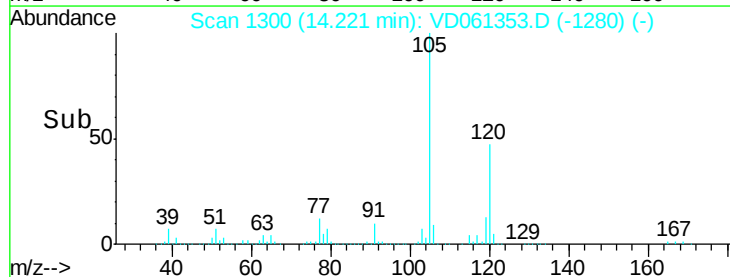
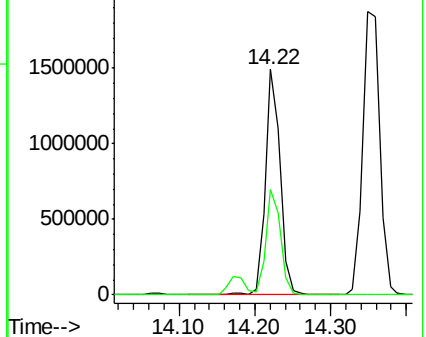
105 100

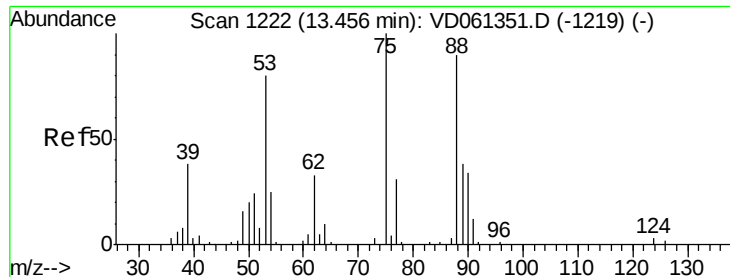
120 46.8 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)

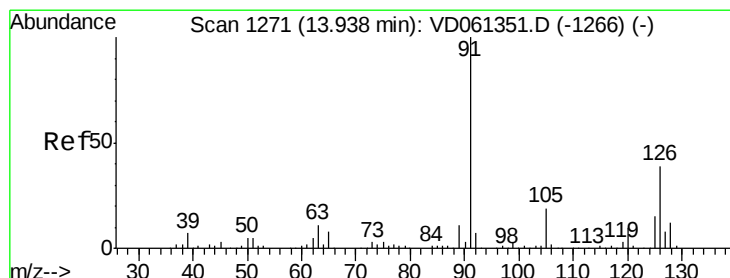
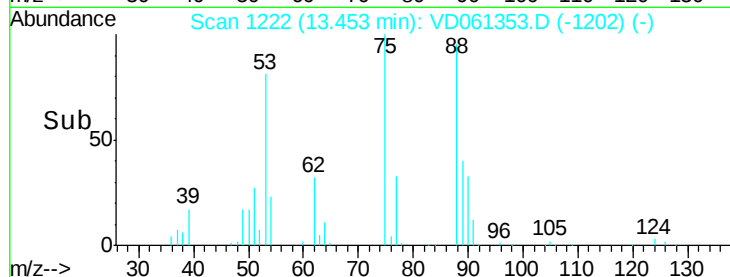
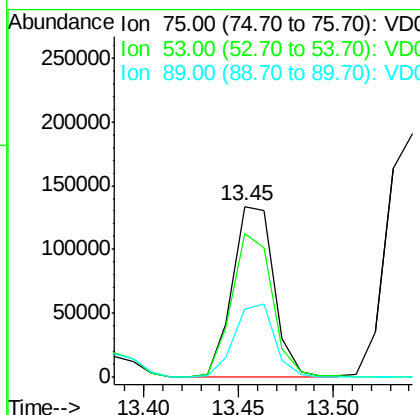
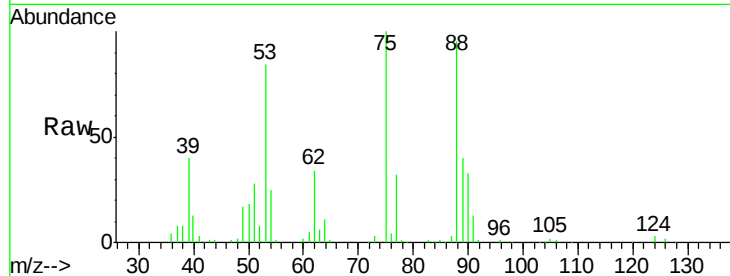




#81
trans-1,4-Dichloro-2-butene
Concen: 122.528 ug/l
RT: 13.45 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

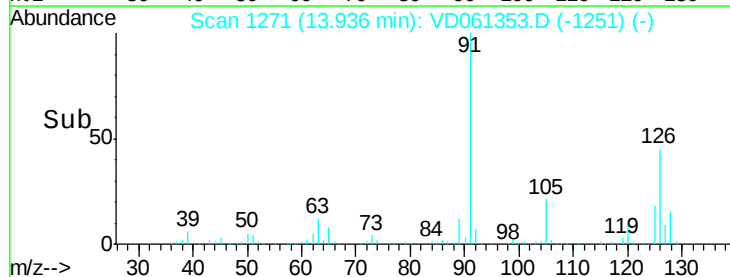
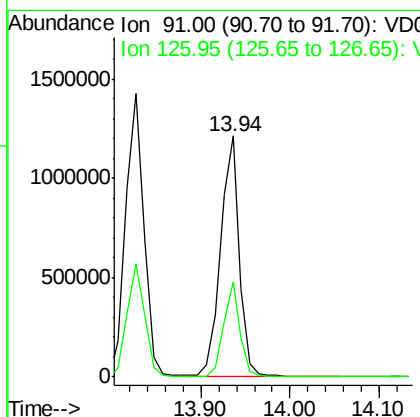
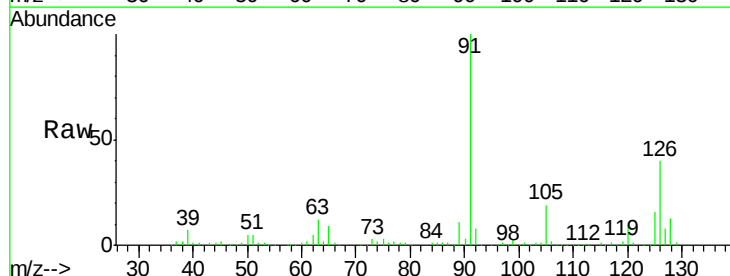
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

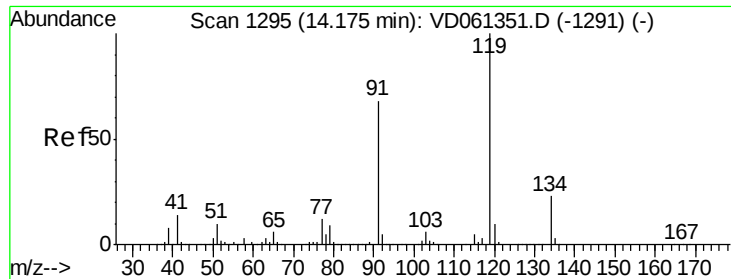
Tgt Ion: 75 Resp: 203764
Ion Ratio Lower Upper
75 100
53 83.7 63.8 95.8
89 40.0 30.5 45.7



#82
4-Chlorotoluene
Concen: 94.328 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061353.D
Acq: 27 Mar 2019 14:02

Tgt Ion: 91 Resp: 1790993
Ion Ratio Lower Upper
91 100
126 39.7 19.6 58.8

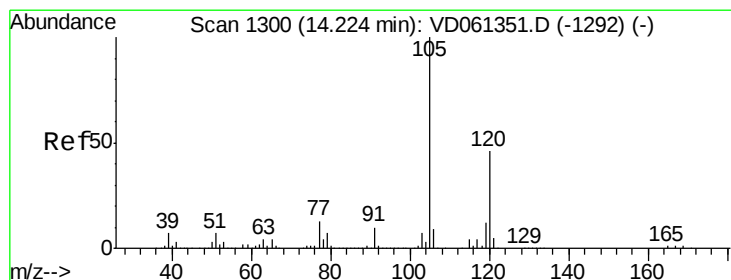
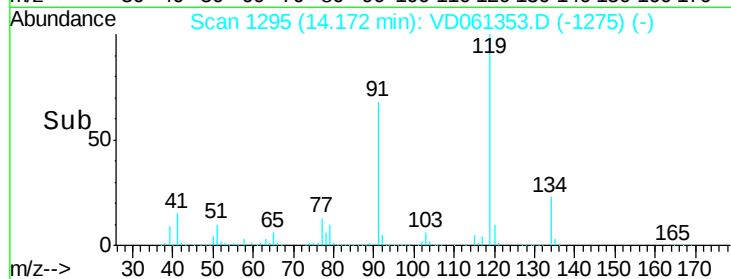
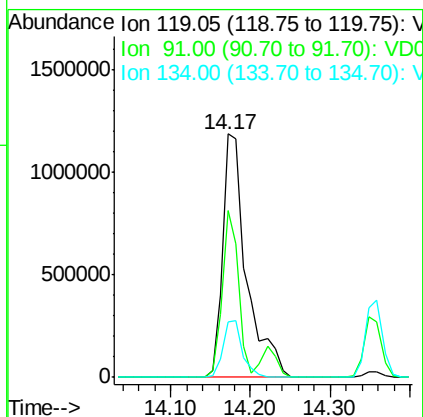
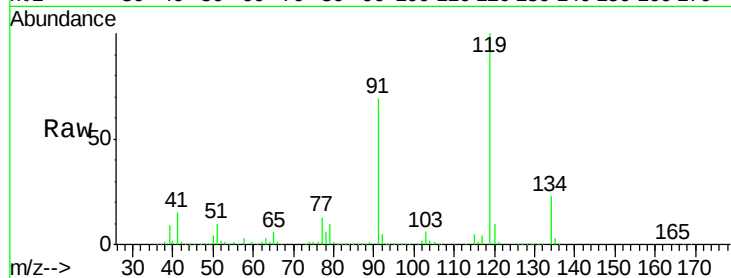




#83
 tert-Butylbenzene
 Concen: 98.439 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

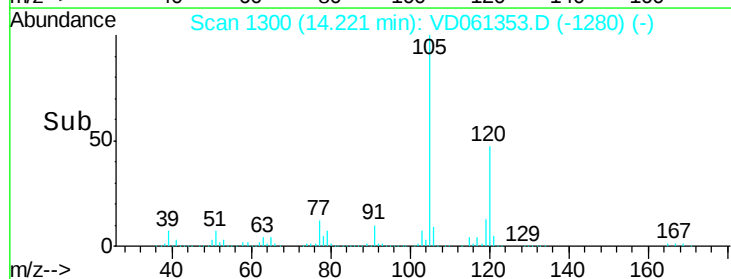
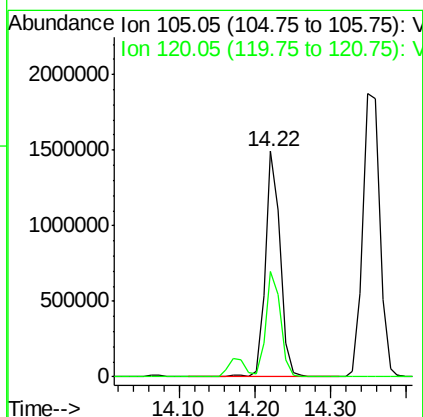
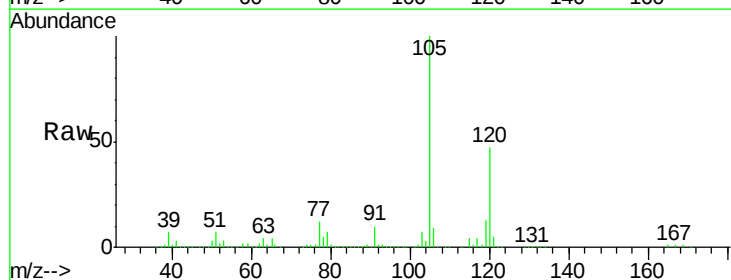
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 2508387
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.1 102.3
 134 22.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 92.276 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion:105 Resp: 2036945
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4

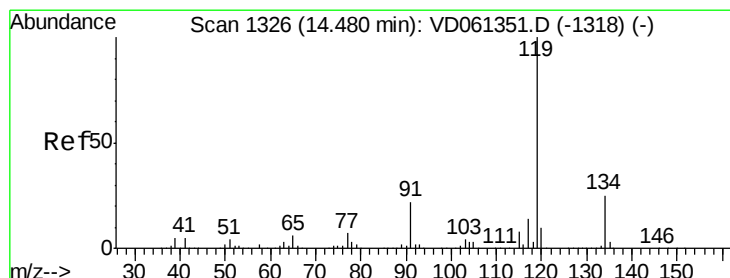
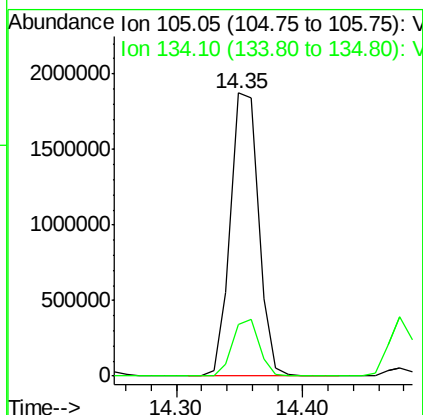
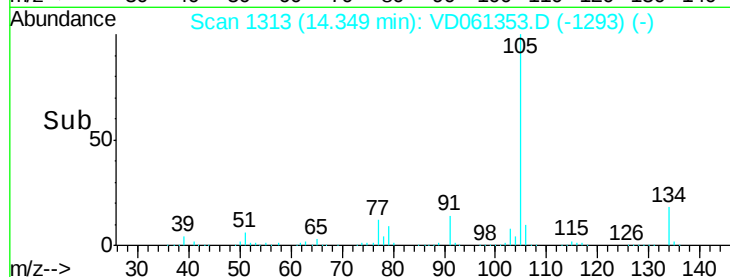
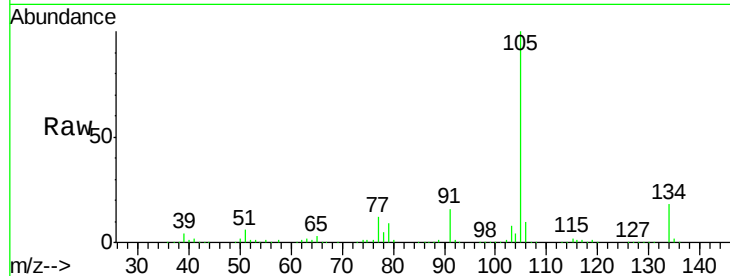




#85
 sec-Butylbenzene
 Concen: 106.469 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

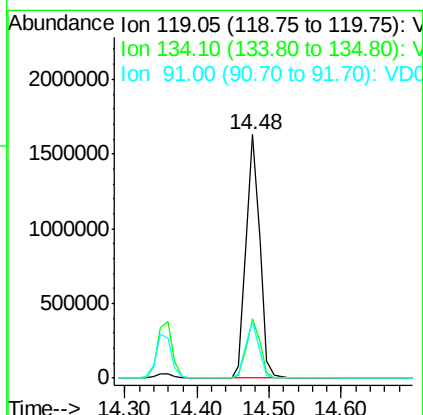
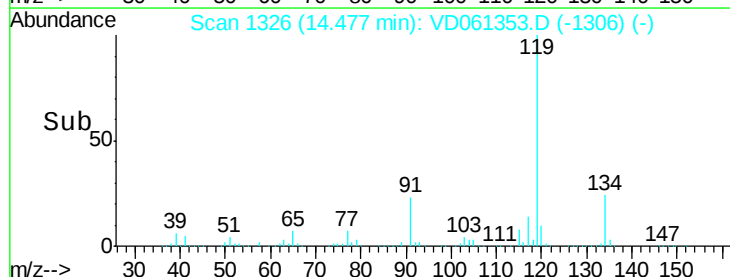
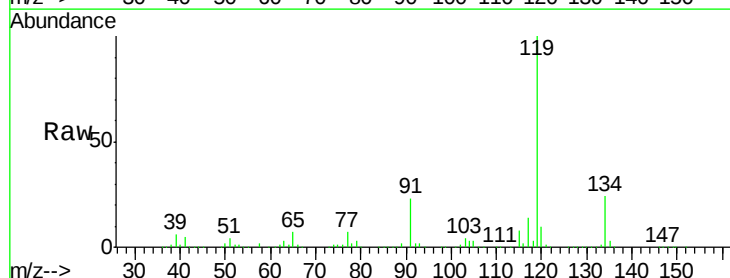
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 2882110
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 95.519 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion:119 Resp: 2186475
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.3 36.8
 91 23.1 11.1 33.1

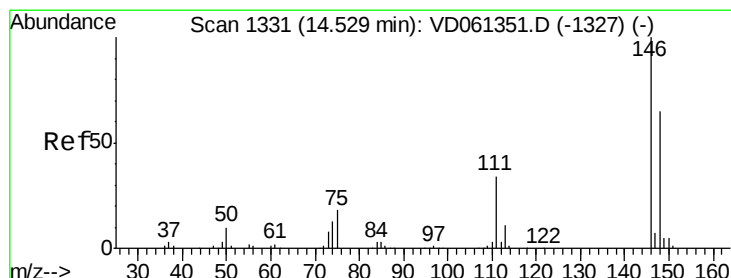
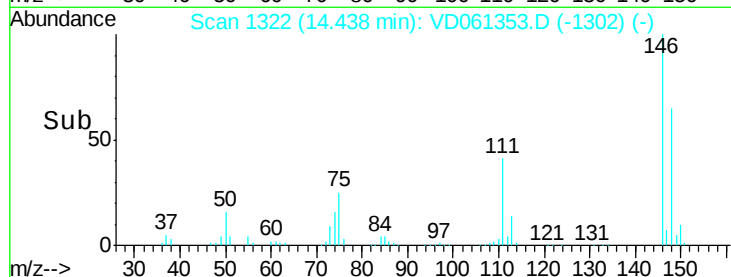
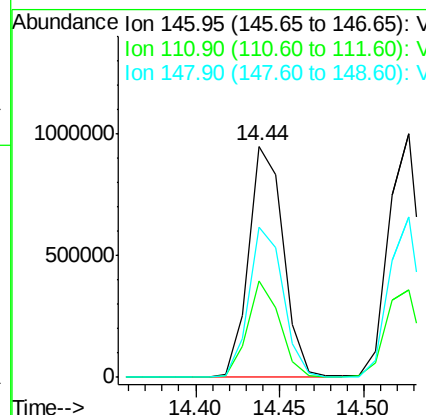
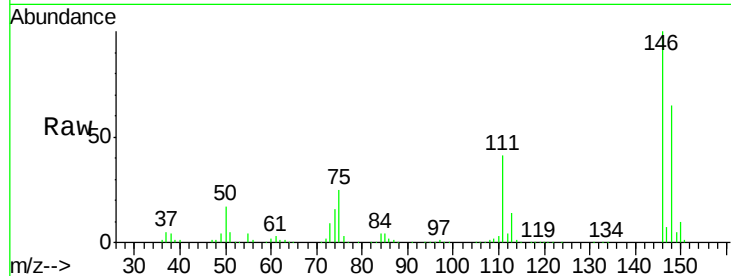




#87
 1,3-Dichlorobenzene
 Concen: 102.991 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

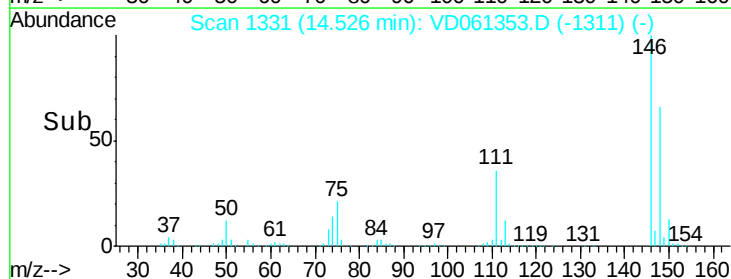
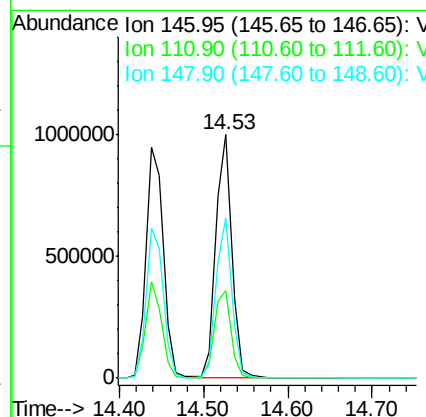
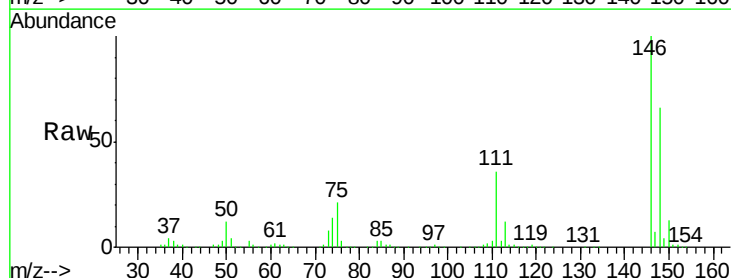
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tgt Ion:146 Resp: 1358738
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.6 61.9
 148 64.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 103.160 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion:146 Resp: 1327205
 Ion Ratio Lower Upper
 146 100
 111 36.1 16.8 50.4
 148 65.8 32.6 98.0





#89

n-Butylbenzene

Concen: 97.175 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

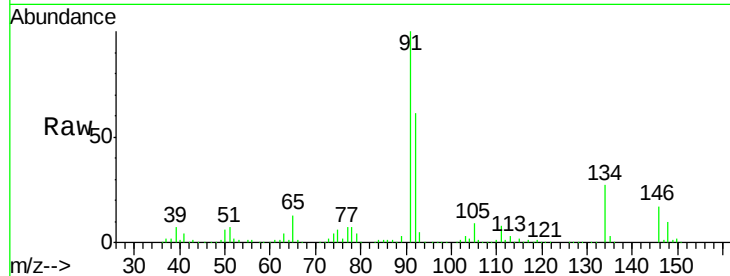
Tgt Ion: 91 Resp: 2041615

Ion Ratio Lower Upper

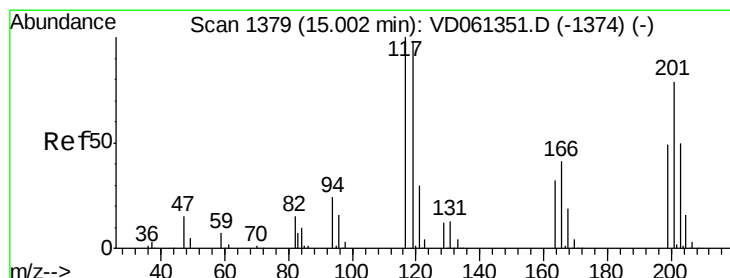
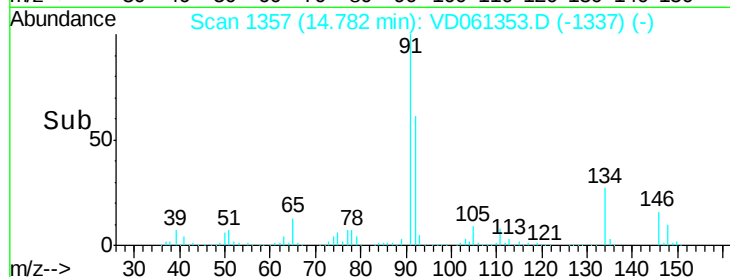
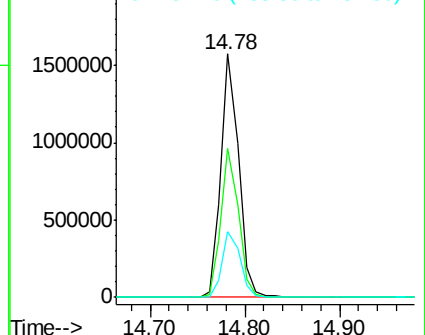
91 100

92 61.3 30.3 91.0

134 26.9 12.4 37.0



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): V



#90

Hexachloroethane

Concen: 104.540 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD061353.D

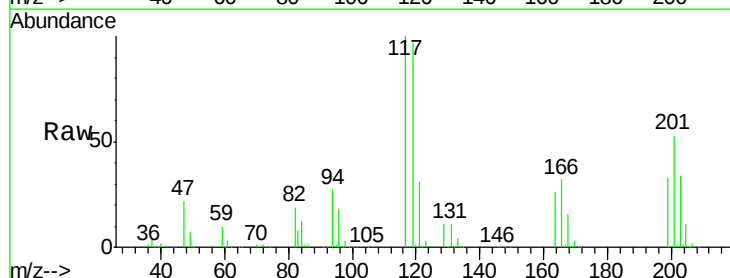
Acq: 27 Mar 2019 14:02

Tgt Ion: 117 Resp: 676038

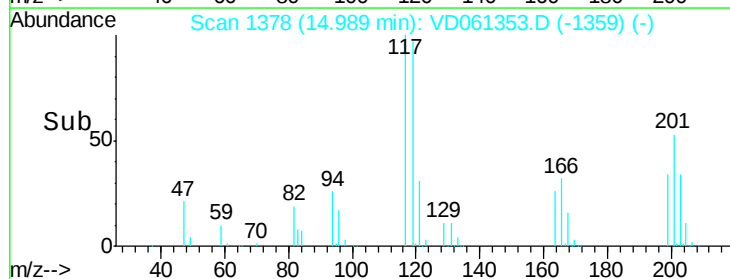
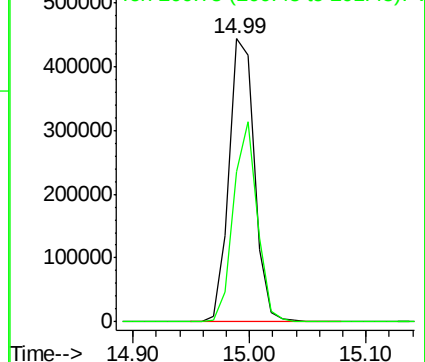
Ion Ratio Lower Upper

117 100

201 53.0 39.6 119.0



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

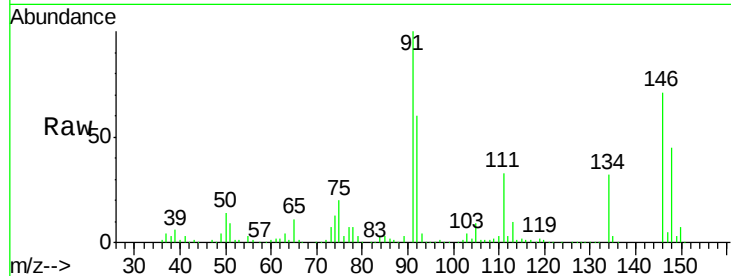




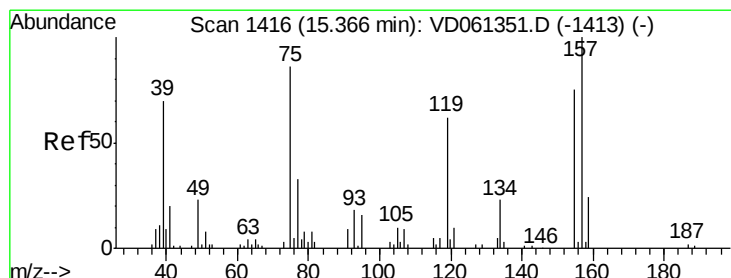
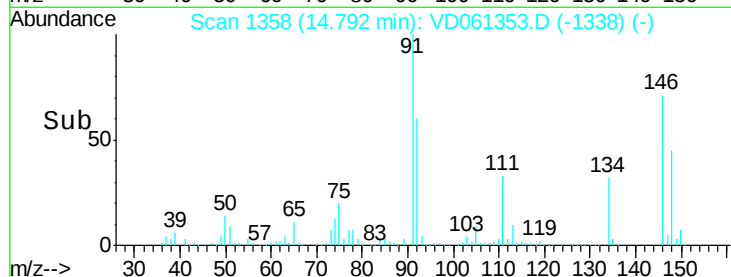
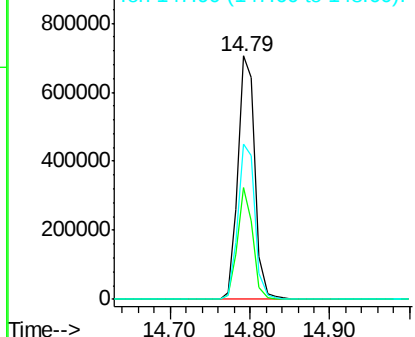
#91
 1,2-Dichlorobenzene
 Concen: 97.219 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1052040
 Ion Ratio Lower Upper
 146 100
 111 46.0 21.2 63.6
 148 63.6 31.6 95.0

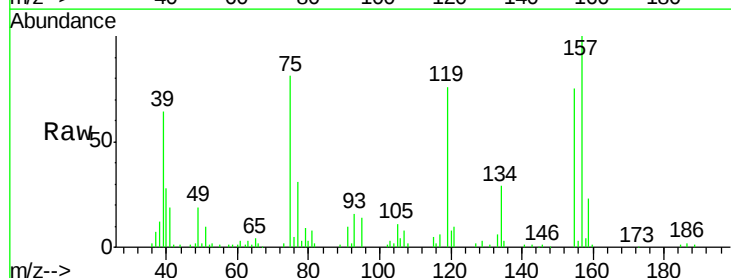


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

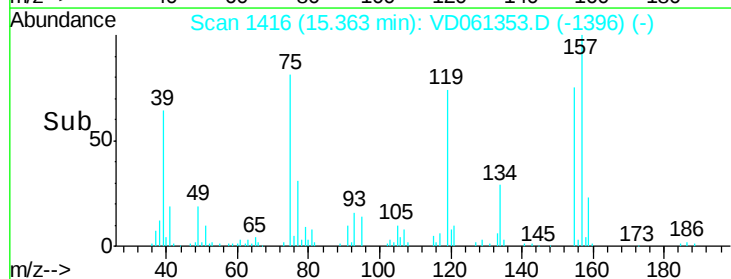
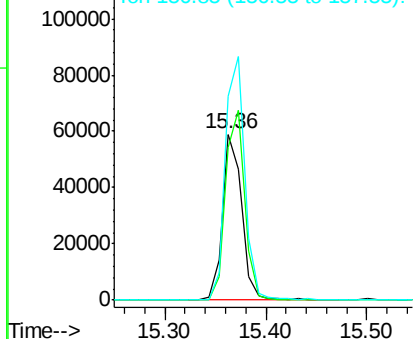


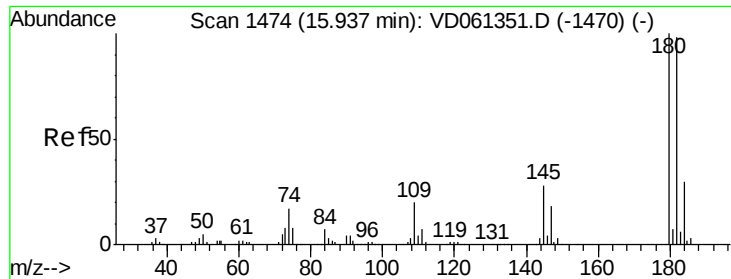
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 120.739 ug/l
 RT: 15.36 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion: 75 Resp: 78502
 Ion Ratio Lower Upper
 75 100
 155 92.2 43.6 130.9
 157 122.8 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

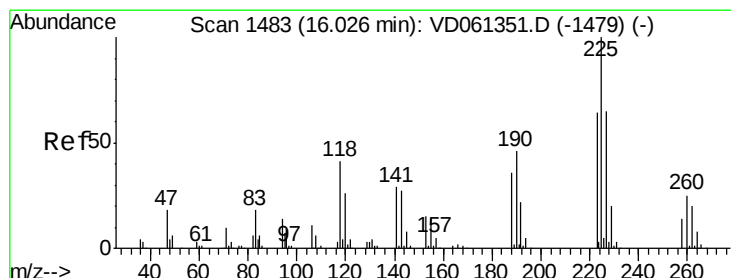
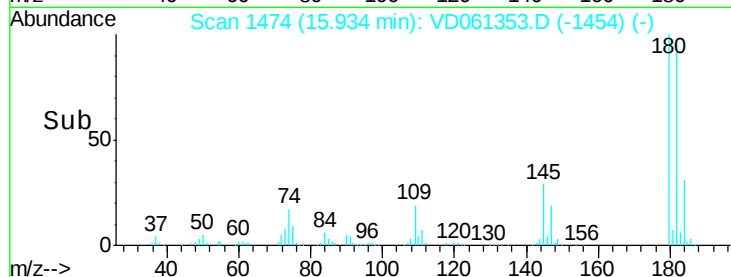
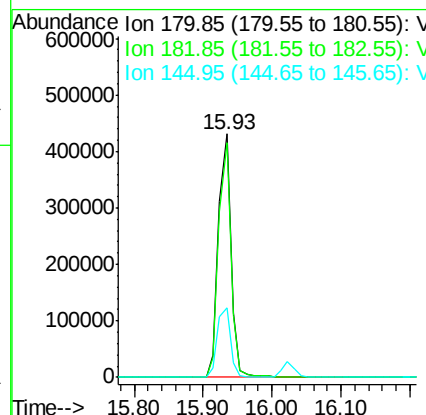
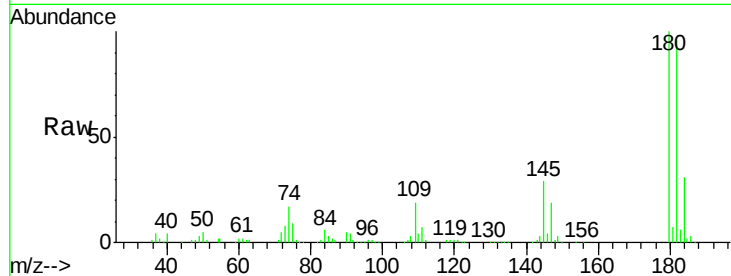




#93
 1,2,4-Trichlorobenzene
 Concen: 111.733 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

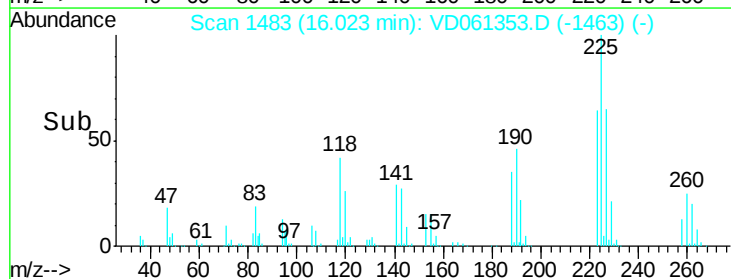
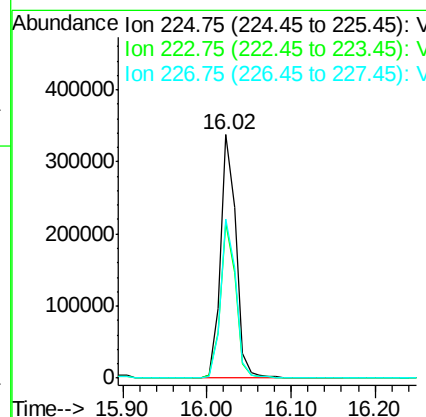
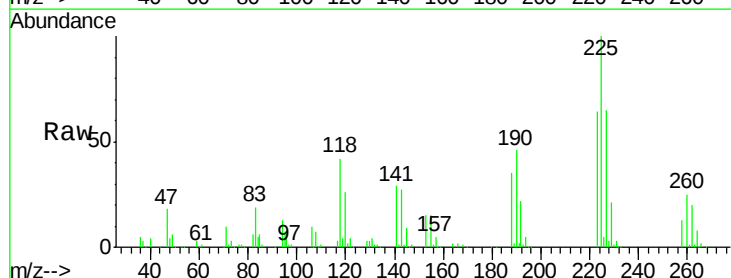
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

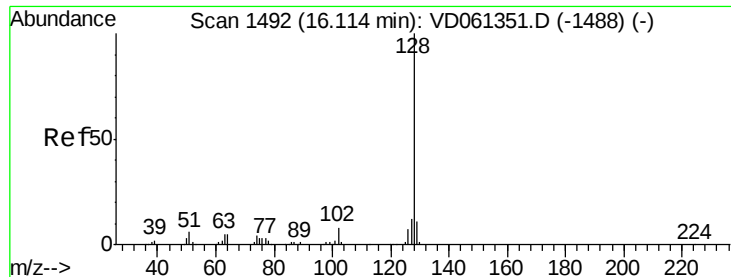
Tgt Ion:180 Resp: 550788
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.9 146.8
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 112.301 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD061353.D
 Acq: 27 Mar 2019 14:02

Tgt Ion:225 Resp: 432584
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.0 96.0
 227 65.5 32.4 97.2





#95

Naphthalene

Concen: 113.025 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

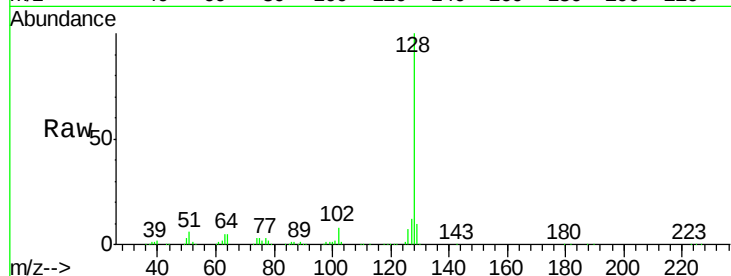
Tgt Ion:128 Resp: 849254

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

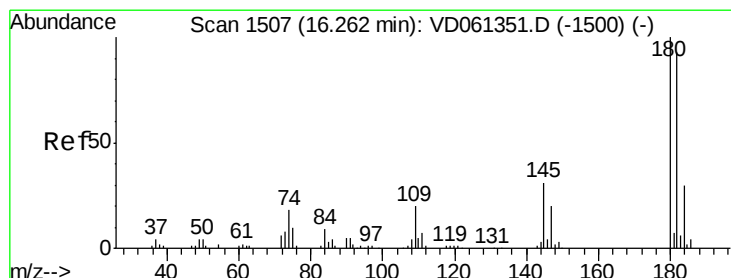
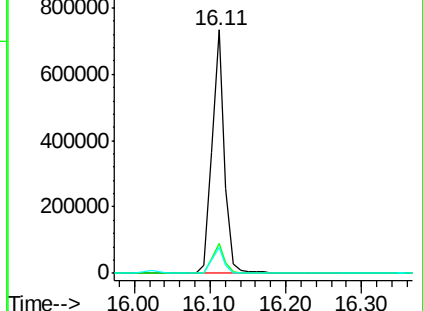
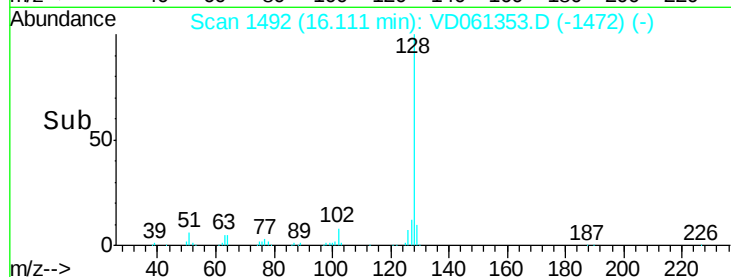
129 10.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 128.280 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD061353.D

Acq: 27 Mar 2019 14:02

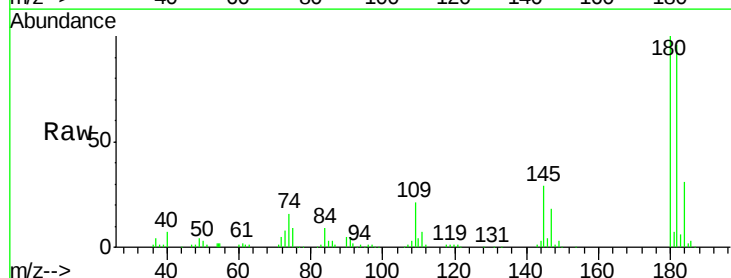
Tgt Ion:180 Resp: 278264

Ion Ratio Lower Upper

180 100

182 95.6 46.4 139.1

145 28.6 15.3 45.9



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

