

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060969.D
 Acq On : 7 Mar 2019 15:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 08 01:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	711123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1166255	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	958504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438512	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	57976	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
35) Dibromofluoromethane	6.92	113	85055	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
50) Toluene-d8	10.40	98	218533	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	
62) 4-Bromofluorobenzene	13.54	95	94940	10.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	79473	10.196	ug/l 98
3) Chloromethane	1.76	50	62515	9.695	ug/l 100
4) Vinyl Chloride	1.87	62	53715	9.166	ug/l 98
5) Bromomethane	2.16	94	11718	11.476	ug/l 96
6) Chloroethane	2.28	64	17834	12.216	ug/l 96
7) Trichlorofluoromethane	2.54	101	91850	12.686	ug/l 94
8) Diethyl Ether	2.88	74	27081	8.836	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	95285	10.161	ug/l 98
10) Methyl Iodide	3.32	142	80443	7.246	ug/l 99
11) Tert butyl alcohol	4.06	59	19304	44.741	ug/l # 93
12) 1,1-Dichloroethene	3.14	96	79172	9.956	ug/l 97
13) Acrolein	3.04	56	26327	44.545	ug/l 97
14) Allyl chloride	3.63	41	119907	9.114	ug/l 97
15) Acrylonitrile	4.20	53	71697	44.059	ug/l 96
16) Acetone	3.22	43	91393	47.609	ug/l 96
17) Carbon Disulfide	3.39	76	246685	8.734	ug/l 99
18) Methyl Acetate	3.65	43	33273	8.438	ug/l 93
19) Methyl tert-butyl Ether	4.24	73	131865	9.322	ug/l 97
20) Methylene Chloride	3.83	84	101406	9.469	ug/l 98
21) trans-1,2-Dichloroethene	4.22	96	80259	9.182	ug/l 93
22) Diisopropyl ether	5.13	45	246830	8.908	ug/l 97
23) Vinyl Acetate	5.06	43	666215	45.883	ug/l 99
24) 1,1-Dichloroethane	4.99	63	134514	9.028	ug/l 96
25) 2-Butanone	6.06	43	95915	40.632	ug/l 98
26) 2,2-Dichloropropane	6.02	77	102555	9.262	ug/l 98
27) cis-1,2-Dichloroethene	6.03	96	82323	8.361	ug/l 94
28) Bromochloromethane	6.44	49	49748	8.035	ug/l 99
29) Tetrahydrofuran	6.45	42	51502	41.713	ug/l 97
30) Chloroform	6.66	83	139882	9.703	ug/l 98
31) Cyclohexane	6.95	56	112165	8.871	ug/l 98
32) 1,1,1-Trichloroethane	6.87	97	118506	9.557	ug/l 96
36) 1,1-Dichloropropene	7.15	75	114954	10.750	ug/l 99
37) Ethyl Acetate	6.18	43	48877	8.946	ug/l # 94
38) Carbon Tetrachloride	7.11	117	128898	11.121	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	114306	9.808	ug/l	96
40) Benzene	7.45	78	265402	9.618	ug/l	99
41) Methacrylonitrile	6.45	41	55783	14.244	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	75952	9.724	ug/l	98
43) Isopropyl Acetate	9.23	43	64544	8.489	ug/l #	99
44) Trichloroethene	8.53	130	87406	9.335	ug/l	94
45) 1,2-Dichloropropane	8.94	63	70816	9.767	ug/l	96
46) Dibromomethane	9.06	93	45051	9.711	ug/l	92
47) Bromodichloromethane	9.37	83	94144	9.144	ug/l	99
48) Methyl methacrylate	9.11	41	40408	9.400	ug/l	100
49) 1,4-Dioxane	9.08	88	8152	184.779	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	216844	46.710	ug/l	98
52) Toluene	10.50	92	178956	10.190	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	92672	9.907	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	111059	9.679	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	55705	9.593	ug/l	98
56) Ethyl methacrylate	11.03	69	56272	9.232	ug/l	97
57) 1,3-Dichloropropane	11.40	76	81998	9.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	159131	48.761	ug/l	100
59) 2-Hexanone	11.53	43	150854	46.308	ug/l	94
60) Dibromochloromethane	11.67	129	79595	9.488	ug/l	99
61) 1,2-Dibromoethane	11.80	107	63476	9.303	ug/l	98
64) Tetrachloroethene	11.25	164	70312	9.703	ug/l	96
65) Chlorobenzene	12.39	112	209146	9.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	71716	9.444	ug/l	97
67) Ethyl Benzene	12.52	91	317521	10.339	ug/l	98
68) m/p-Xylenes	12.66	106	254831	20.691	ug/l	94
69) o-Xylene	13.04	106	127411	11.124	ug/l	95
70) Styrene	13.06	104	201154	10.522	ug/l	98
71) Bromoform	13.23	173	47950	10.034	ug/l	95
73) Isopropylbenzene	13.40	105	345866	10.320	ug/l	95
74) N-amyl acetate	13.26	43	94088	9.287	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	66228	9.522	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	69589	9.845	ug/l	100
77) Bromobenzene	13.66	156	85693	9.730	ug/l	86
78) n-propylbenzene	13.77	91	408289	10.436	ug/l	99
79) 2-Chlorotoluene	13.84	91	231999	10.595	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	19293	9.259	ug/l	98
82) 4-Chlorotoluene	13.94	91	269685	10.966	ug/l	91
83) tert-Butylbenzene	14.18	119	302757	10.502	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	275135	10.625	ug/l	98
85) sec-Butylbenzene	14.36	105	370616	11.017	ug/l	96
86) p-Isopropyltoluene	14.49	119	289825	10.458	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	152245	10.170	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	153833	10.384	ug/l	98
89) n-Butylbenzene	14.79	91	295187	11.381	ug/l	98
90) Hexachloroethane	15.00	117	77805	9.737	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	137422	10.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	7724	9.454	ug/l	84

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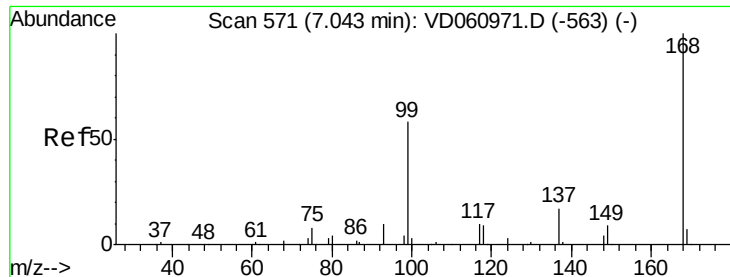
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	60997	8.282	ug/l	98
94) Hexachlorobutadiene	16.04	225	43793	9.303	ug/l	97
95) Naphthalene	16.12	128	89770	7.889	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	29548	7.396	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

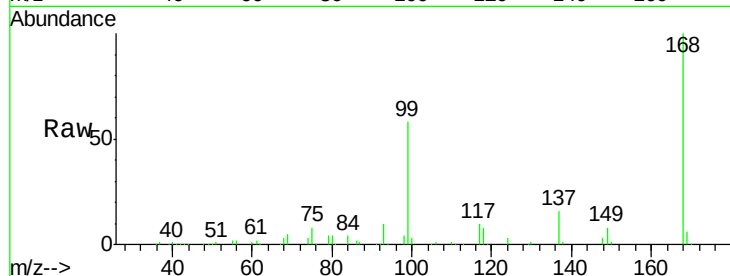
VSTDIC010

Tgt Ion:168 Resp: 711123

Ion Ratio Lower Upper

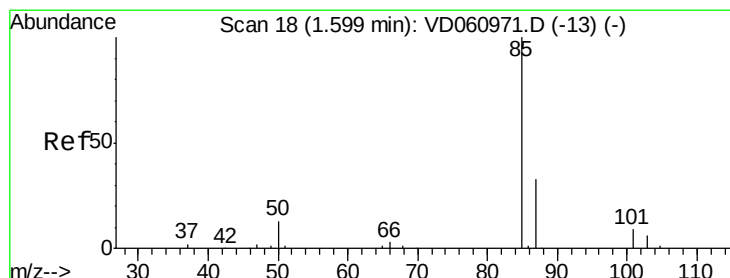
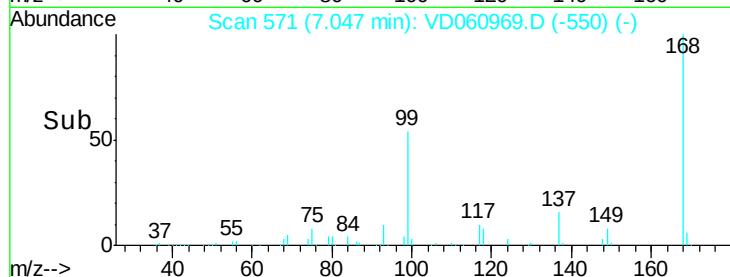
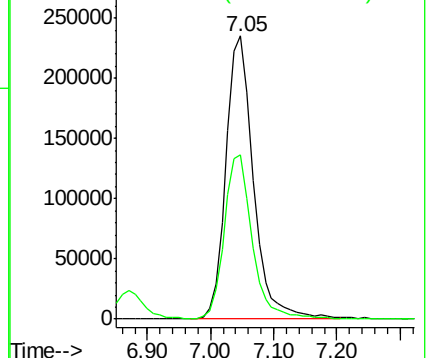
168 100

99 58.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 10.196 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060969.D

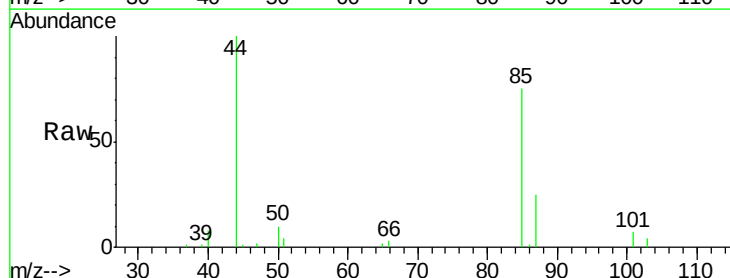
Acq: 7 Mar 2019 15:35

Tgt Ion: 85 Resp: 79473

Ion Ratio Lower Upper

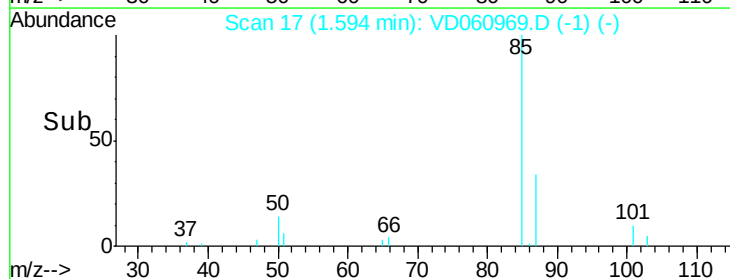
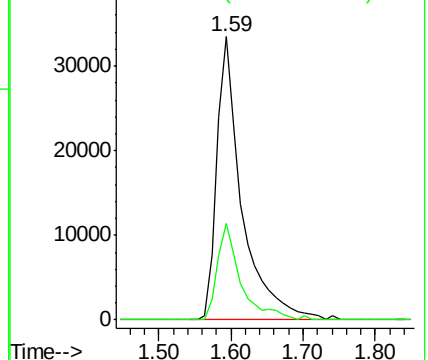
85 100

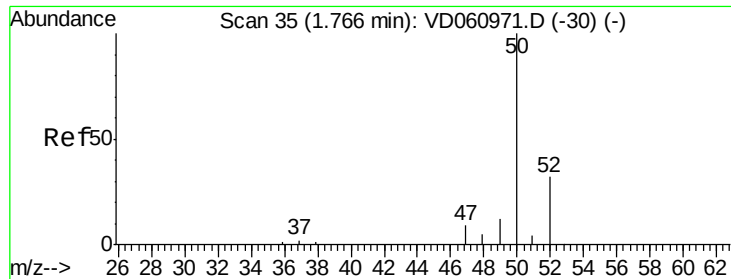
87 34.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.695 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

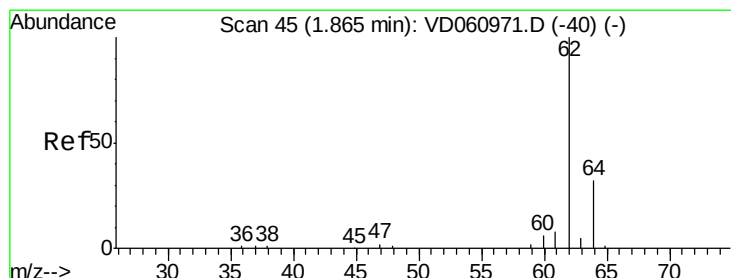
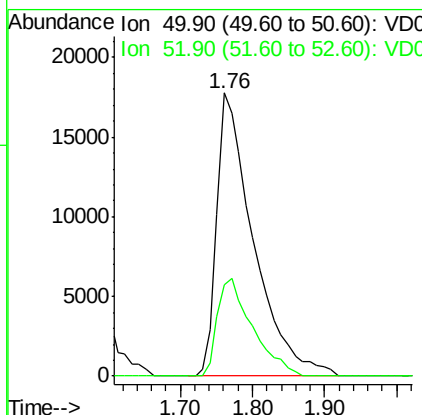
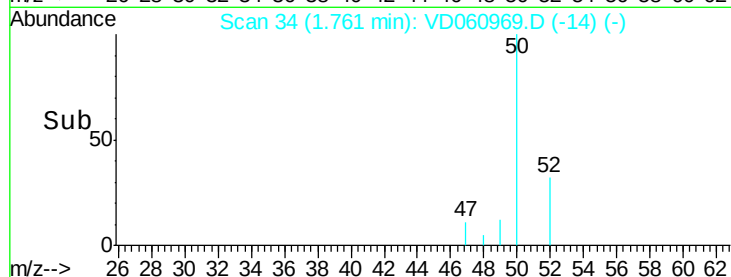
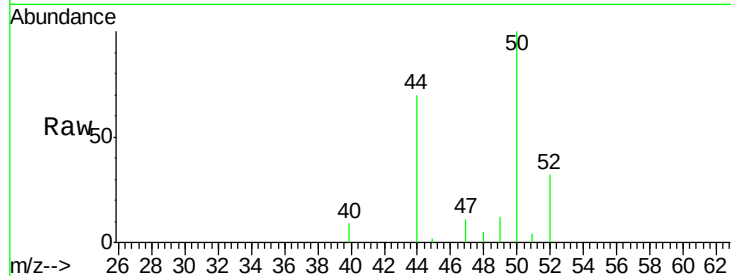
VSTDIC010

Tgt Ion: 50 Resp: 62515

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8



#4

Vinyl Chloride

Concen: 9.166 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD060969.D

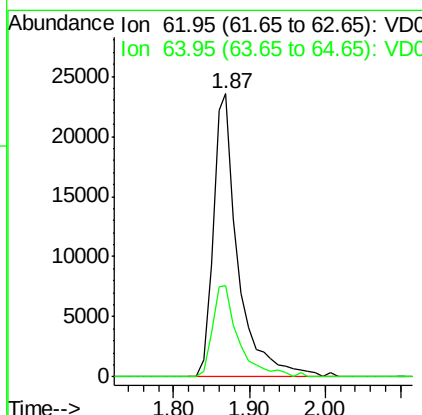
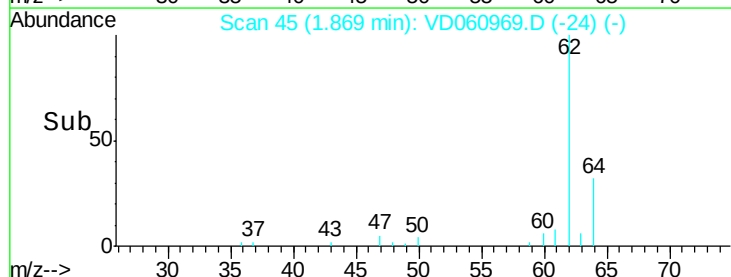
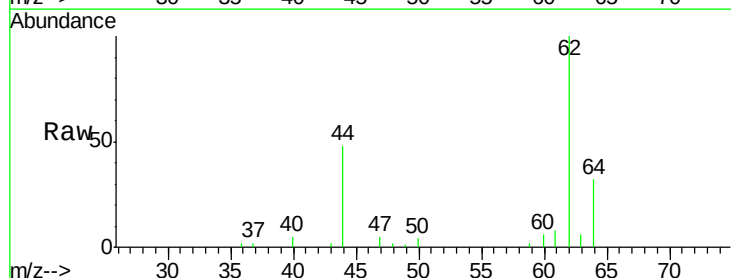
Acq: 7 Mar 2019 15:35

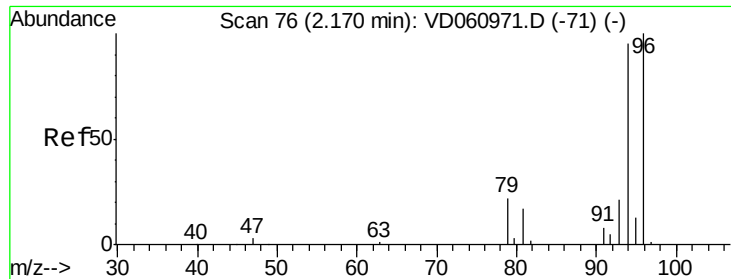
Tgt Ion: 62 Resp: 53715

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 11.476 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

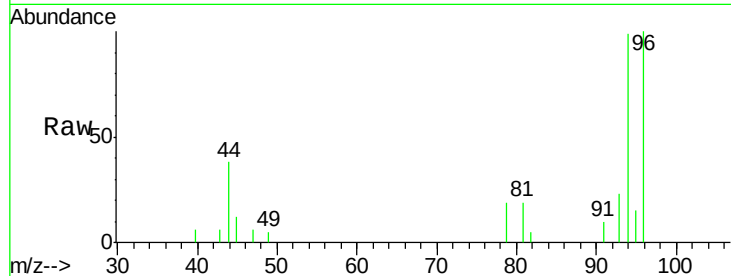
Tgt Ion: 94 Resp: 11718

Ion Ratio Lower Upper

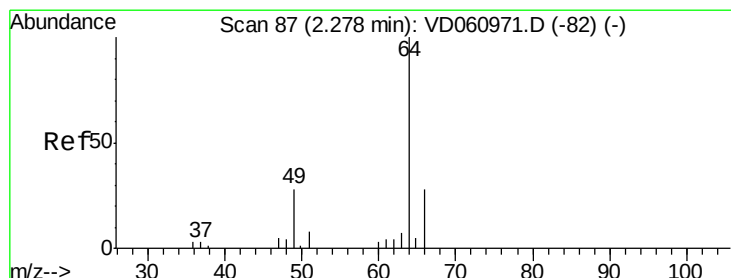
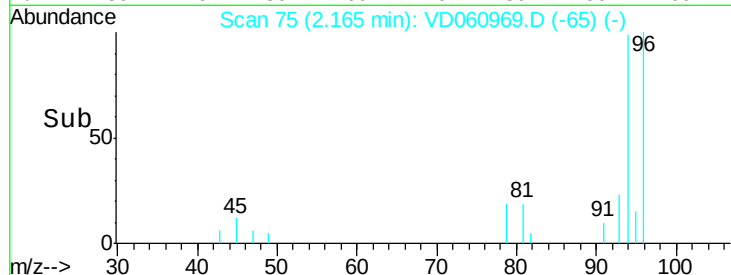
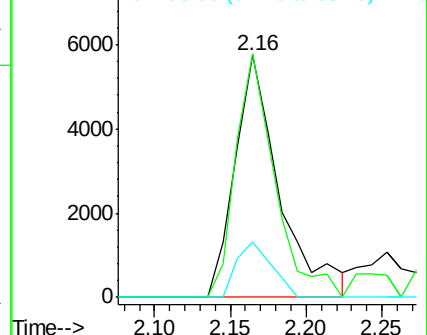
94 100

96 100.7 84.0 126.0

93 23.2 17.3 25.9



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



#6

Chloroethane

Concen: 12.216 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060969.D

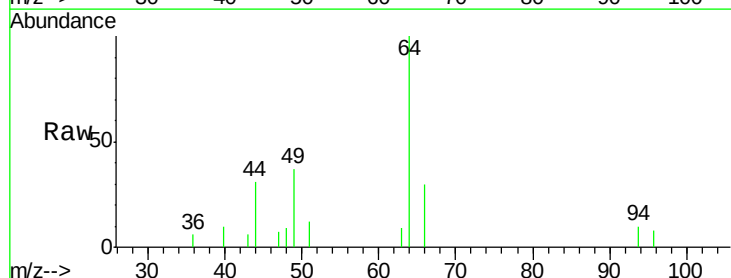
Acq: 7 Mar 2019 15:35

Tgt Ion: 64 Resp: 17834

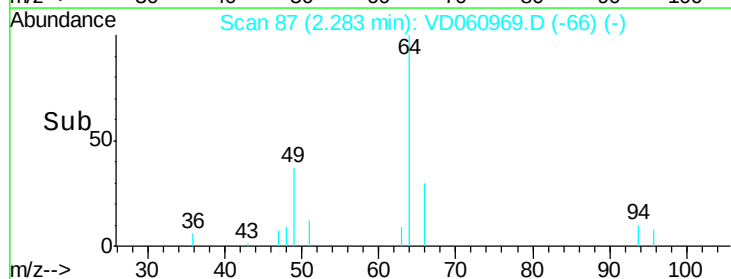
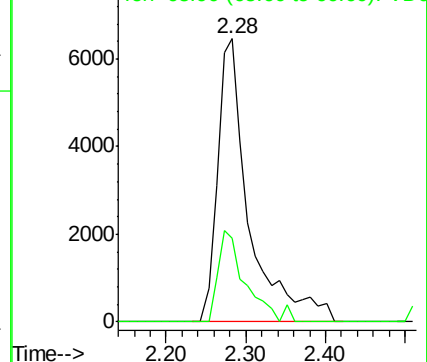
Ion Ratio Lower Upper

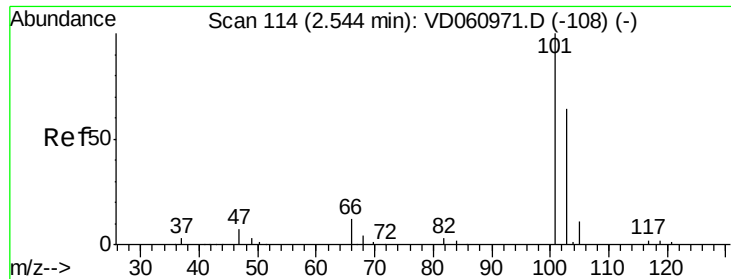
64 100

66 29.5 22.2 33.2



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



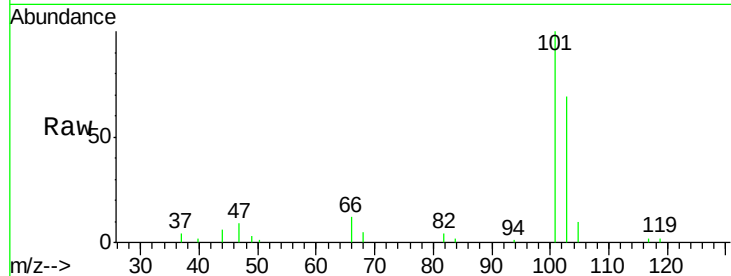


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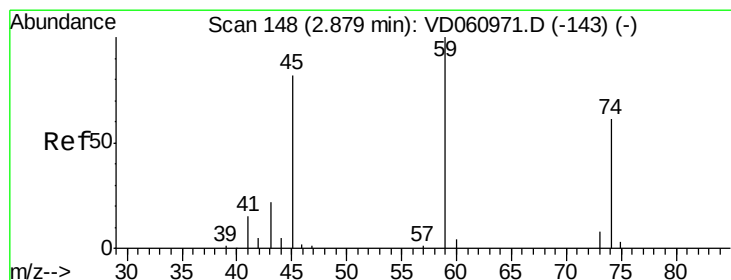
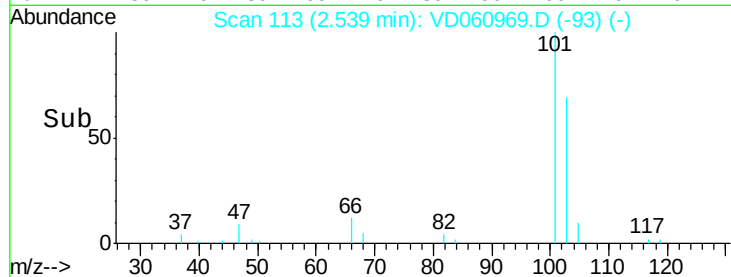
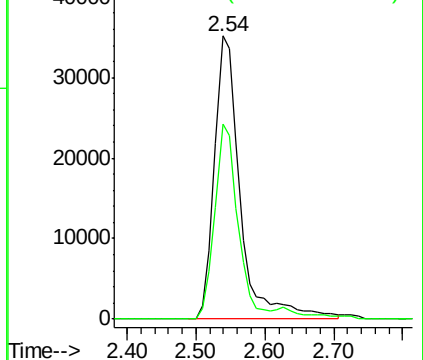
Trichlorofluoromethane
 Concen: 12.686 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
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Tgt Ion: 101 Resp: 91850
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.2 76.8



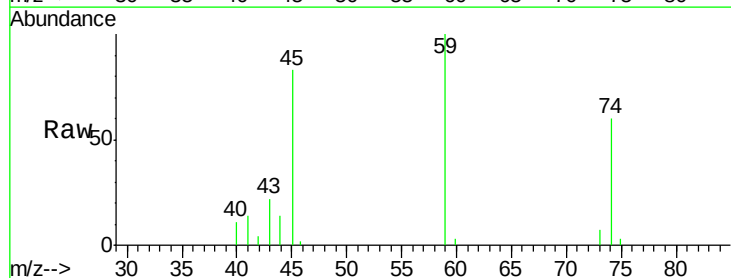
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



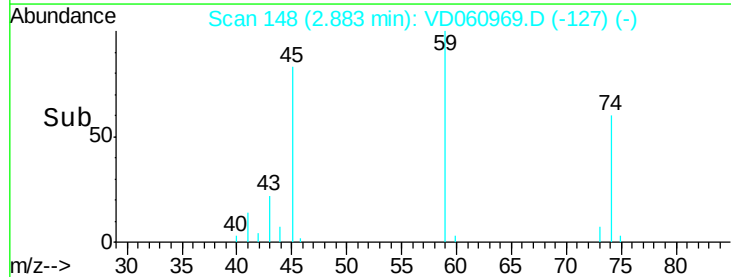
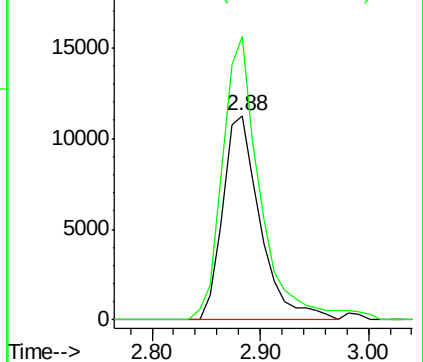
#8

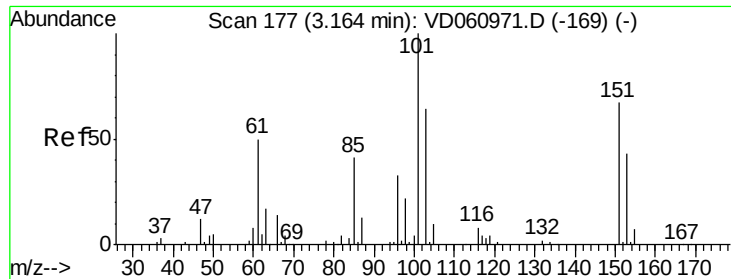
Diethyl Ether
 Concen: 8.836 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 74 Resp: 27081
 Ion Ratio Lower Upper
 74 100
 45 141.3 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.161 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

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VSTDIC010

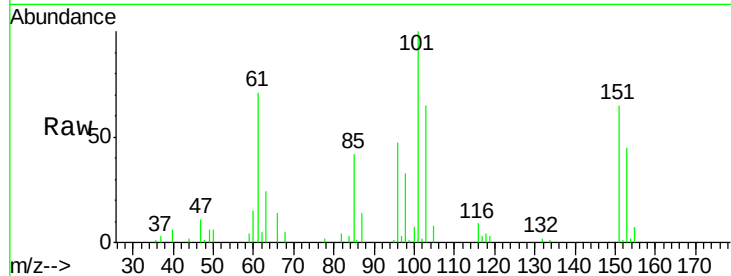
Tgt Ion:101 Resp: 95285

Ion Ratio Lower Upper

101 100

85 42.1 32.5 48.7

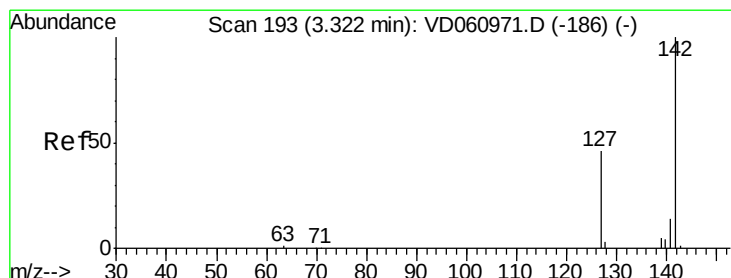
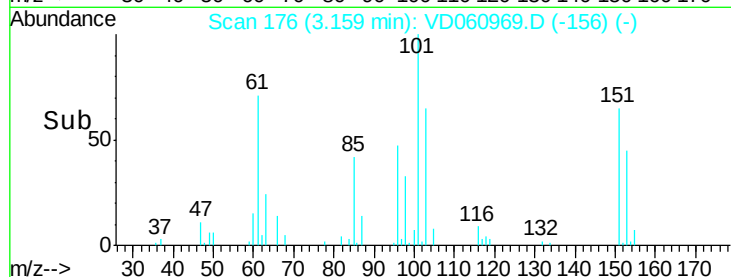
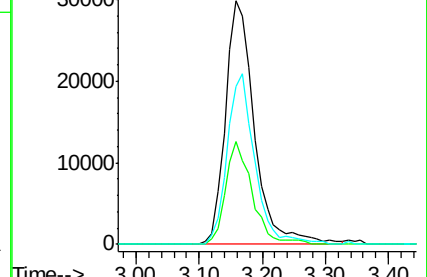
151 64.8 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 7.246 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

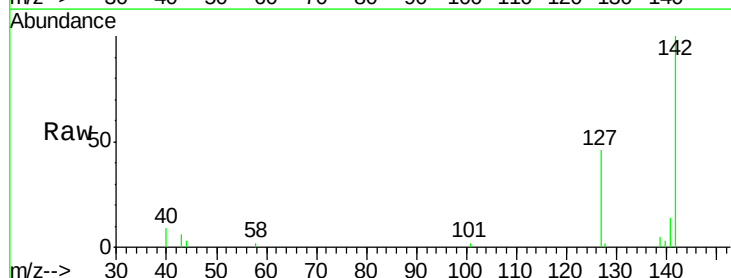
Tgt Ion:142 Resp: 80443

Ion Ratio Lower Upper

142 100

127 45.8 36.8 55.2

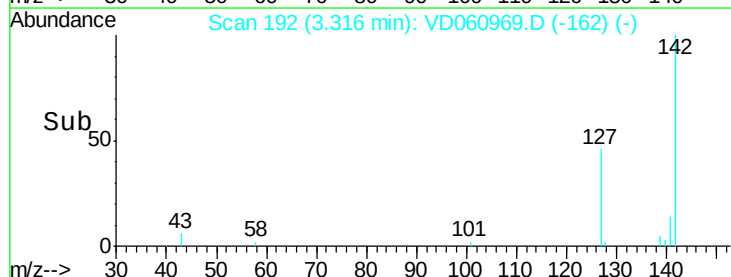
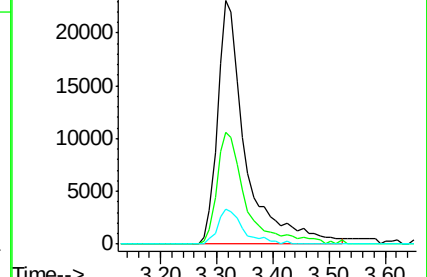
141 14.5 11.2 16.8

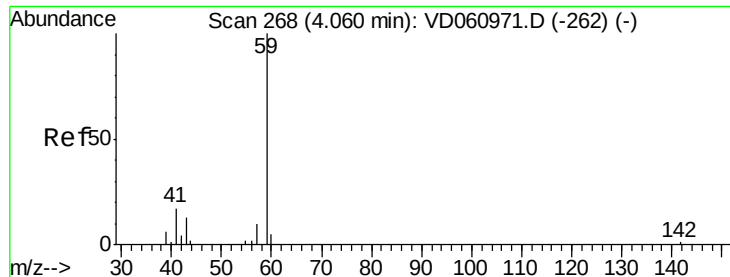


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

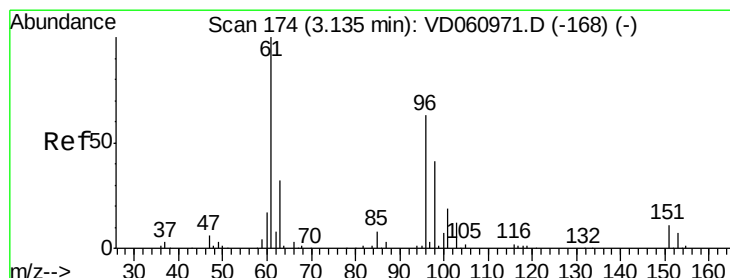
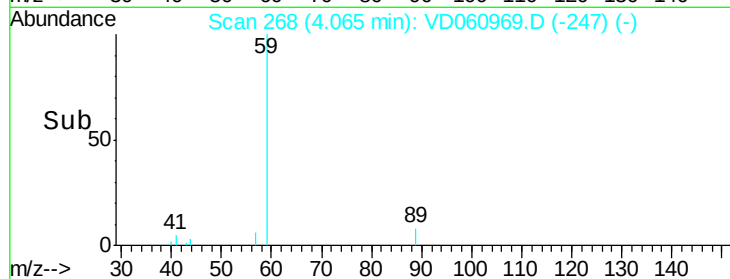
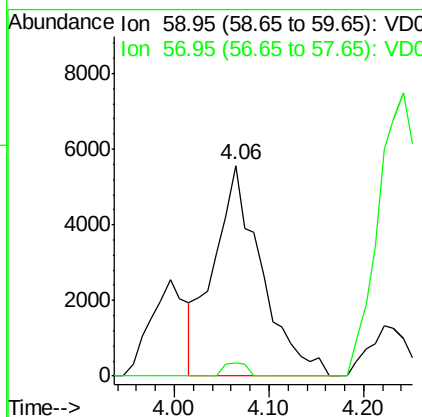
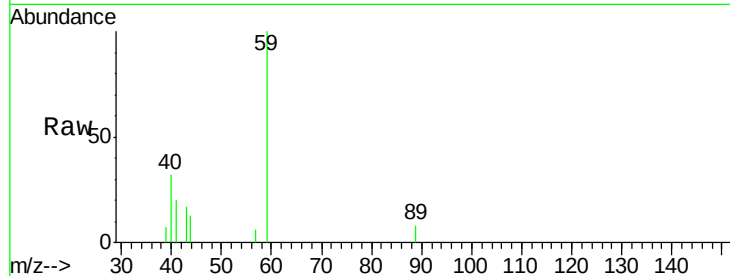




#11
Tert butyl alcohol
Concen: 44.741 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

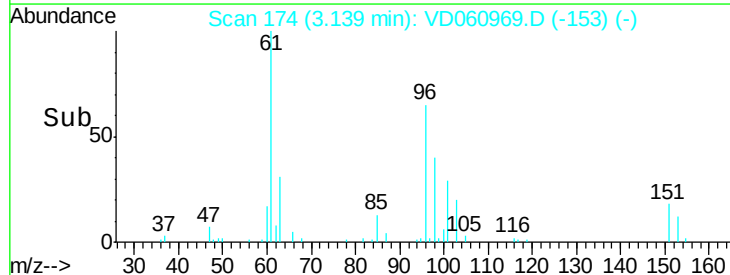
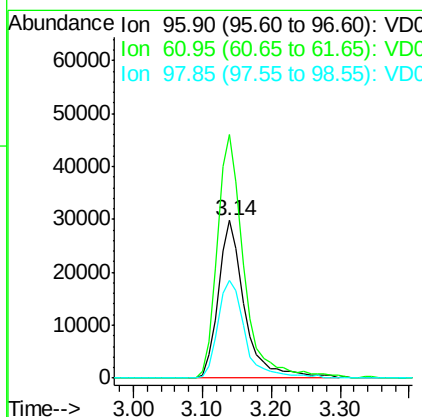
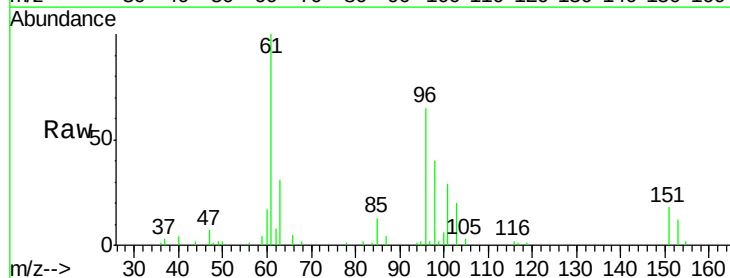
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

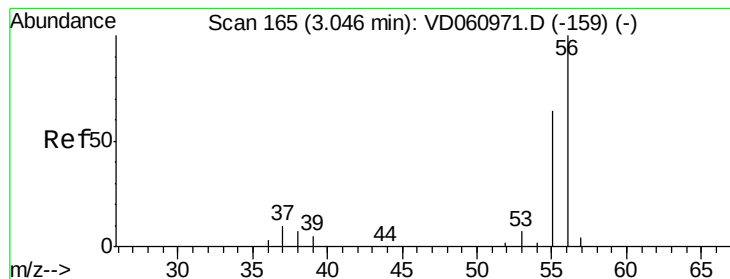
Tgt Ion: 59 Resp: 19304
Ion Ratio Lower Upper
59 100
57 6.2 7.1 10.7#



#12
1,1-Dichloroethene
Concen: 9.956 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 96 Resp: 79172
Ion Ratio Lower Upper
96 100
61 154.5 127.1 190.7
98 61.7 51.5 77.3





#13

Acrolein

Concen: 44.545 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

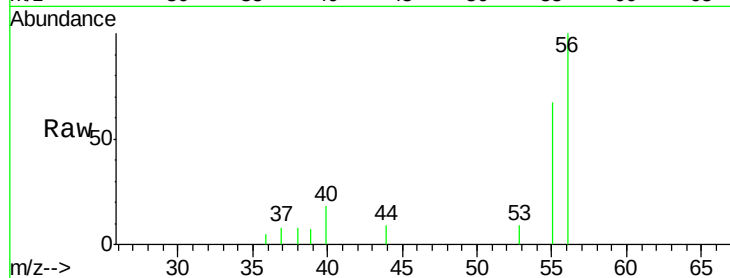
VSTDIC010

Tgt Ion: 56 Resp: 26327

Ion Ratio Lower Upper

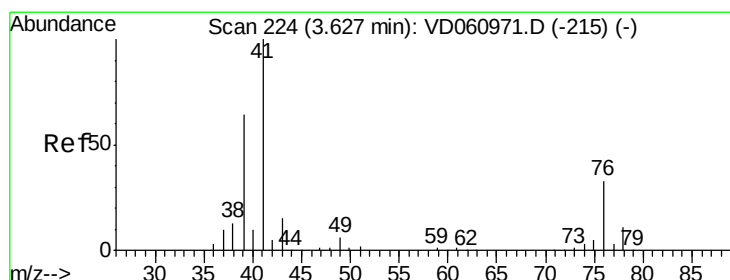
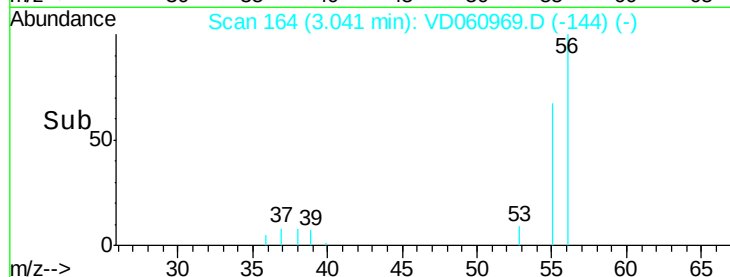
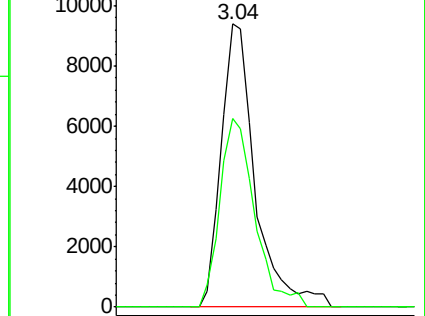
56 100

55 66.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.114 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

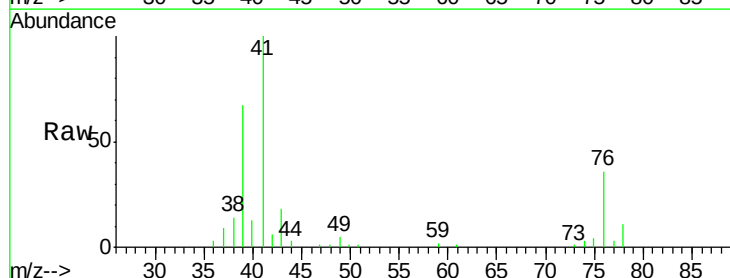
Tgt Ion: 41 Resp: 119907

Ion Ratio Lower Upper

41 100

39 67.2 51.1 76.7

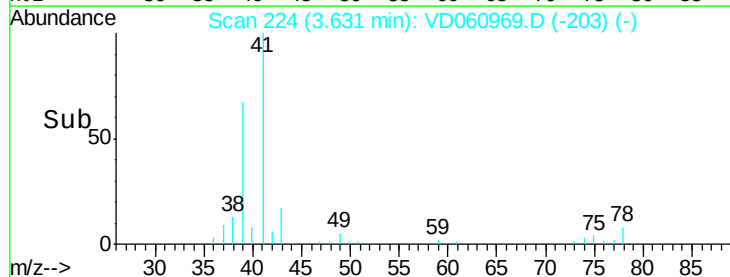
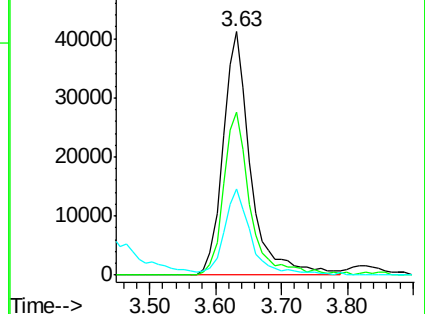
76 35.6 29.1 43.7

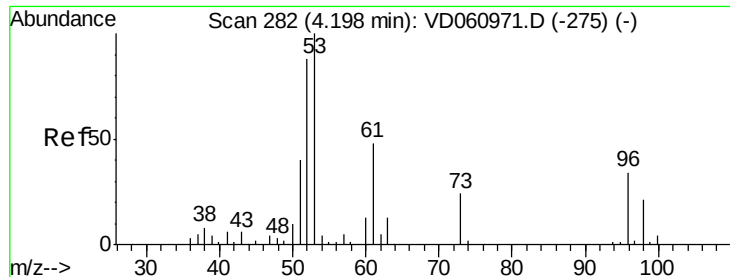


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 44.059 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

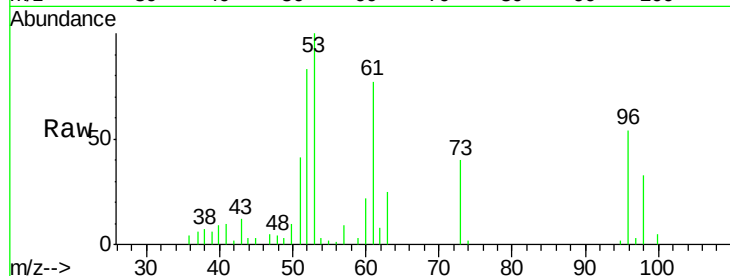
Tgt Ion: 53 Resp: 71697

Ion Ratio Lower Upper

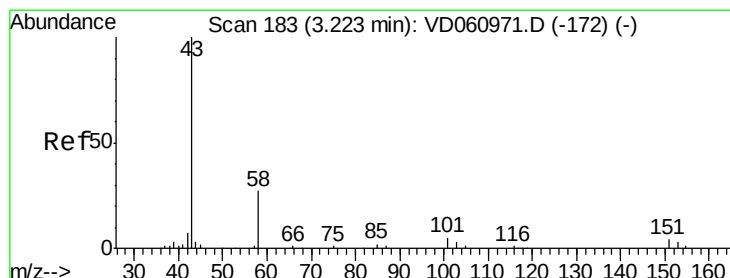
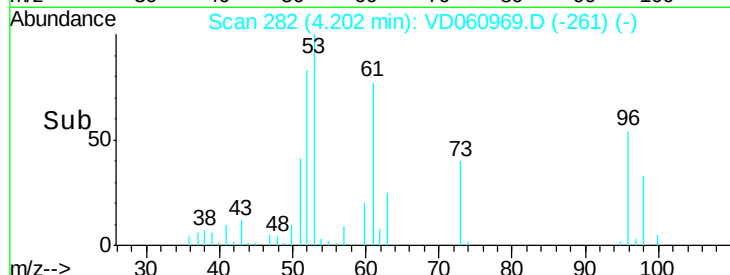
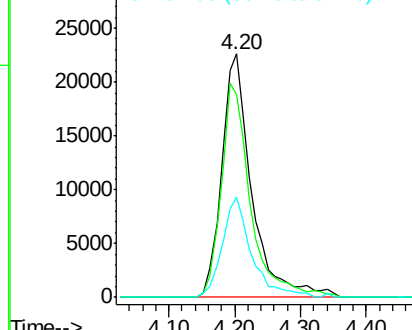
53 100

52 83.3 70.2 105.4

51 41.4 31.7 47.5



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: 47.609 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060969.D

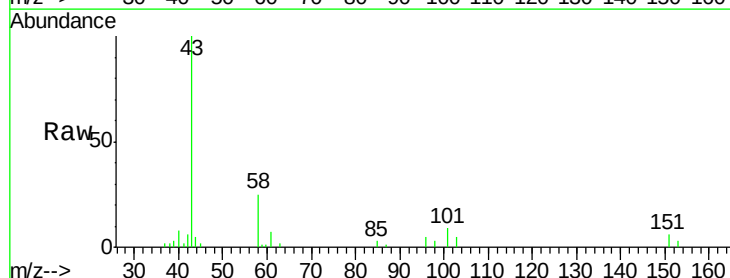
Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 91393

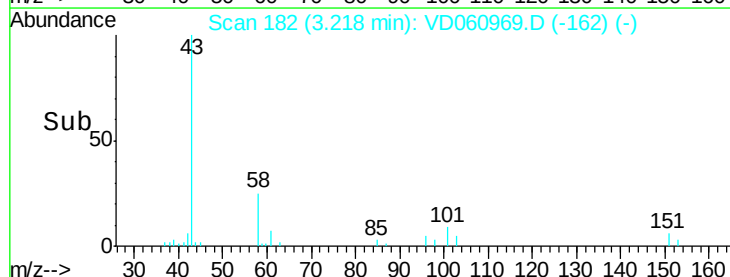
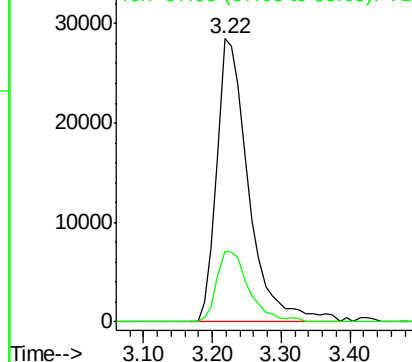
Ion Ratio Lower Upper

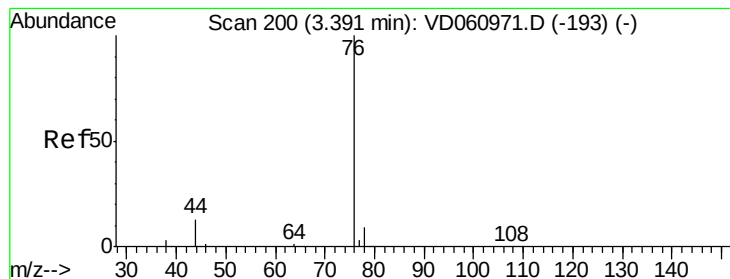
43 100

58 25.1 21.6 32.4



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





#17

Carbon Disulfide

Concen: 8.734 ug/l

RT: 3.39 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

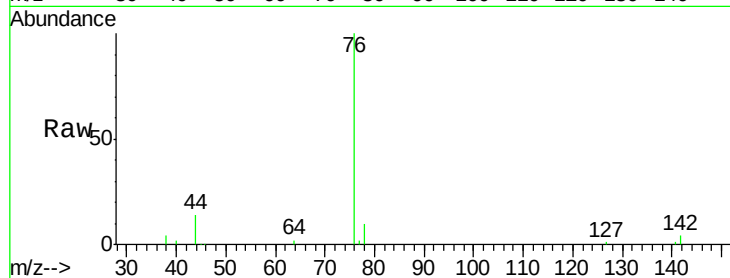
VSTDIC010

Tgt Ion: 76 Resp: 246685

Ion Ratio Lower Upper

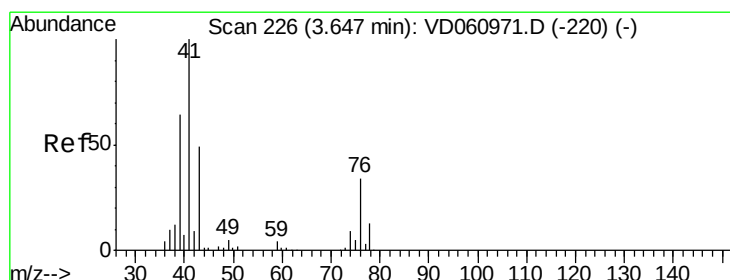
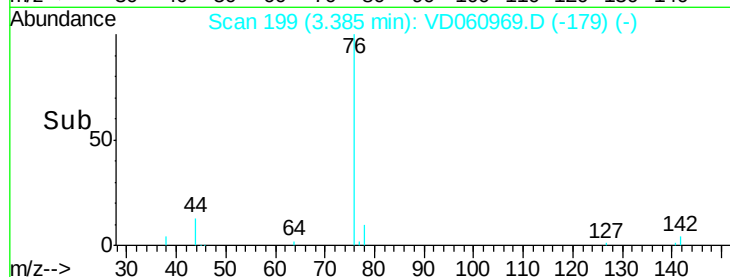
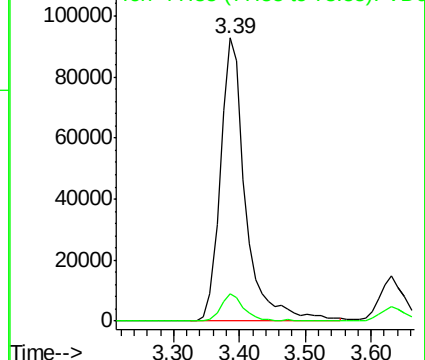
76 100

78 9.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 8.438 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD060969.D

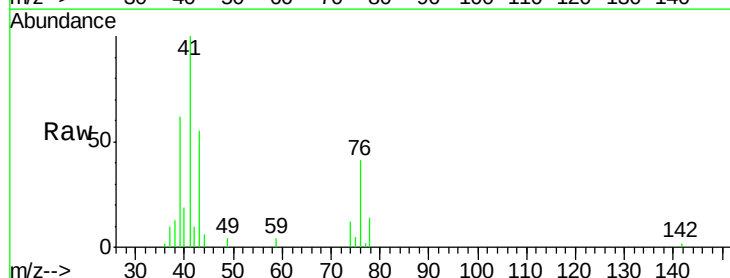
Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 33273

Ion Ratio Lower Upper

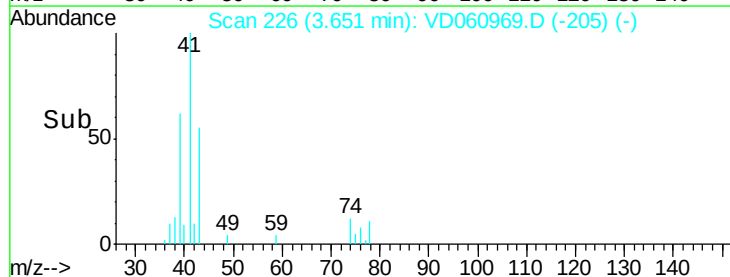
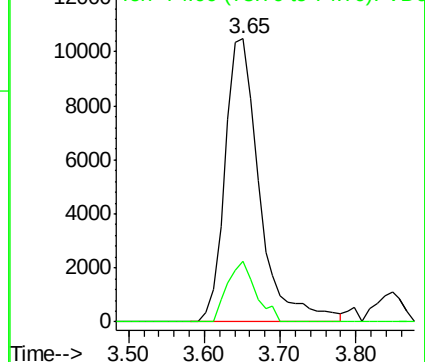
43 100

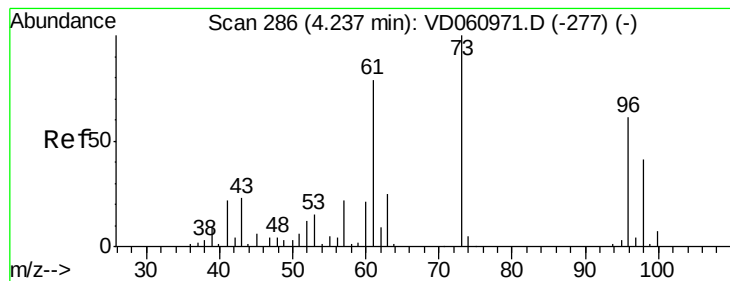
74 21.4 14.6 21.8



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: 9.322 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

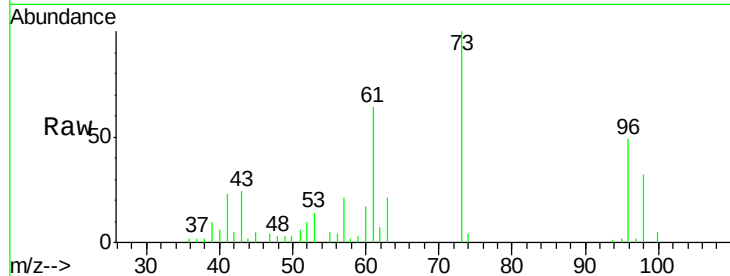
VSTDIC010

Tgt Ion: 73 Resp: 131865

Ion Ratio Lower Upper

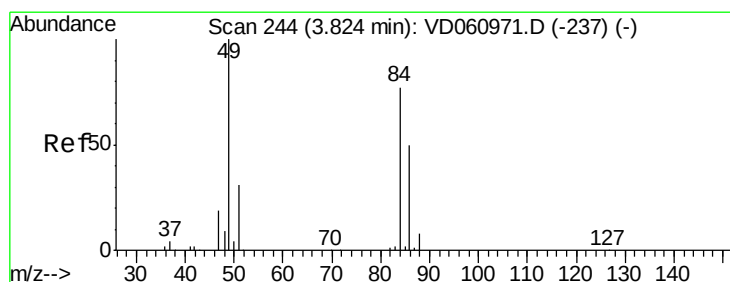
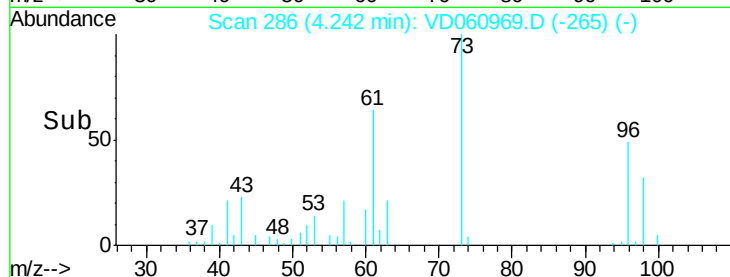
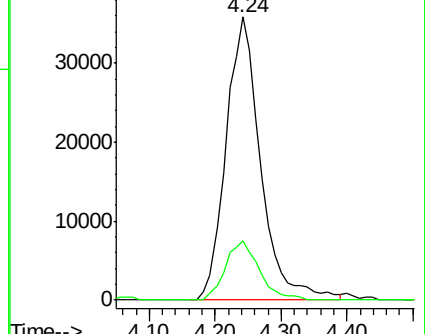
73 100

57 20.9 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 9.469 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion: 84 Resp: 101406

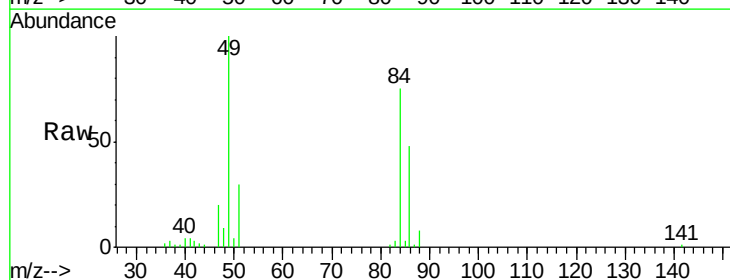
Ion Ratio Lower Upper

84 100

49 133.8 104.2 156.2

51 39.5 32.3 48.5

86 64.1 52.3 78.5

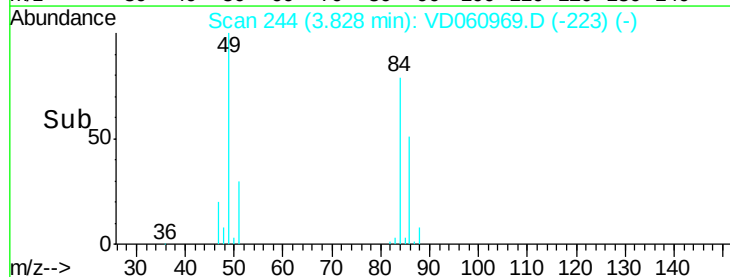
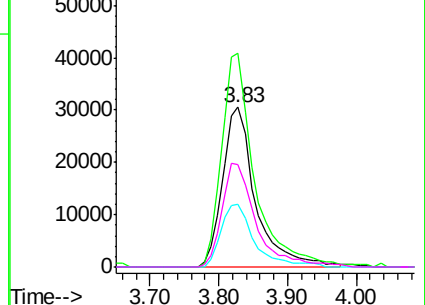


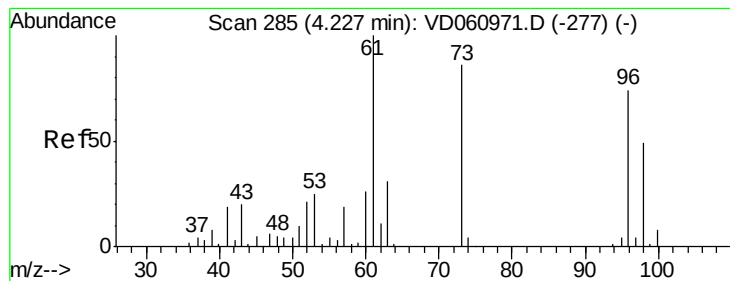
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 9.182 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

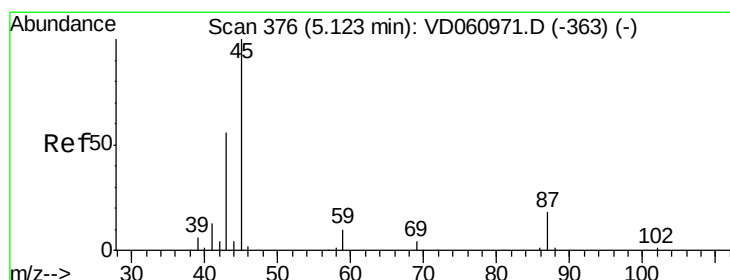
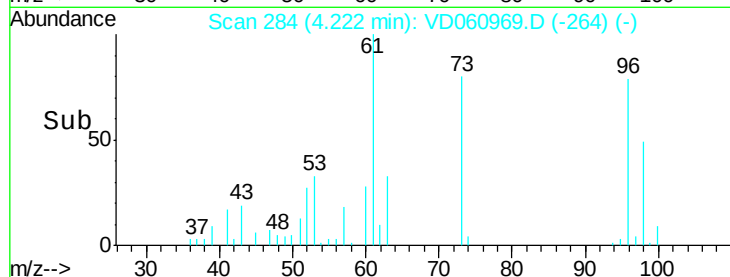
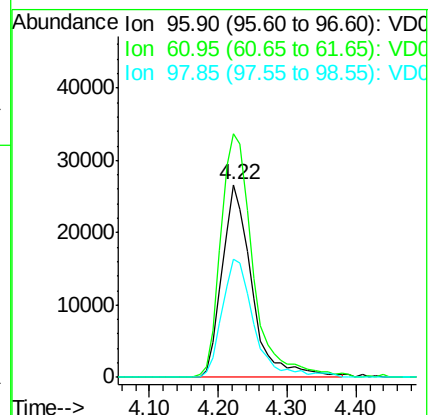
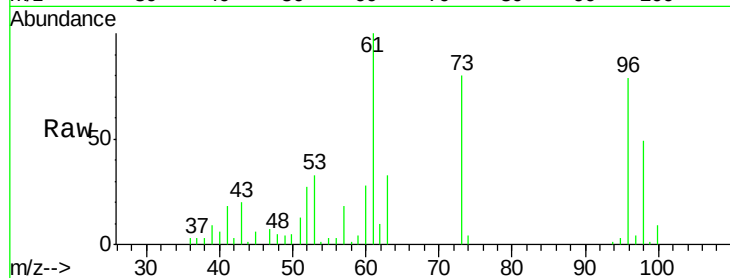
Tgt Ion: 96 Resp: 80259

Ion Ratio Lower Upper

96 100

61 126.3 108.4 162.6

98 61.4 53.0 79.4



#22

Diisopropyl ether

Concen: 8.908 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion: 45 Resp: 246830

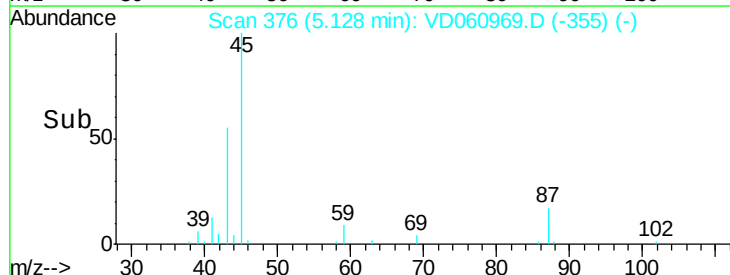
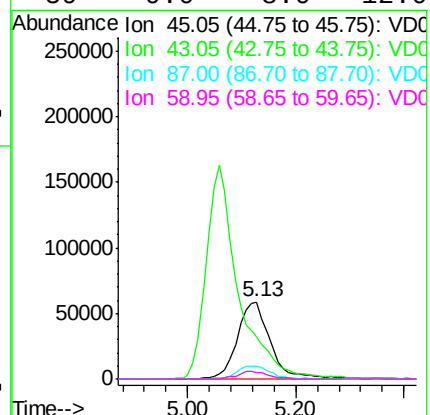
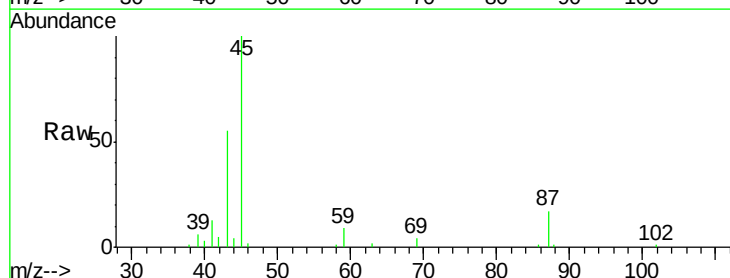
Ion Ratio Lower Upper

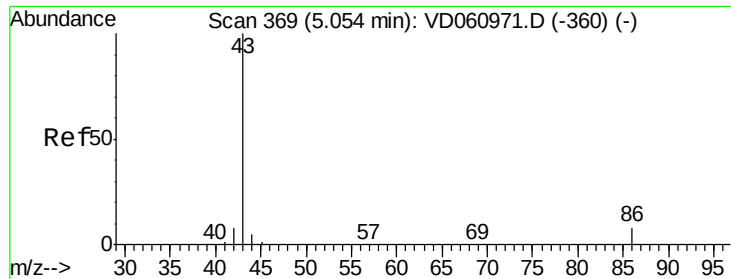
45 100

43 55.3 45.8 68.8

87 16.8 14.9 22.3

59 9.0 8.0 12.0

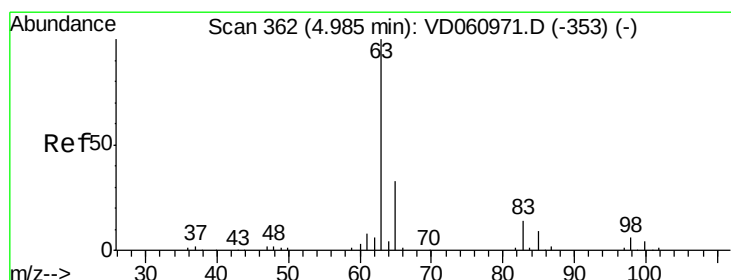
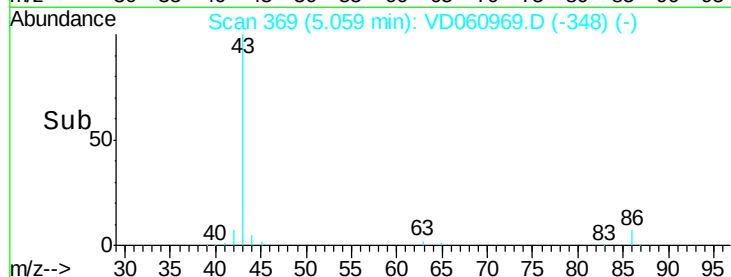
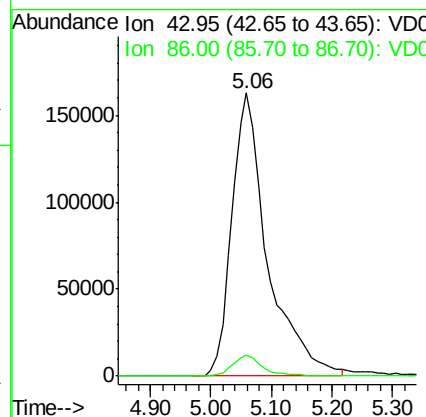
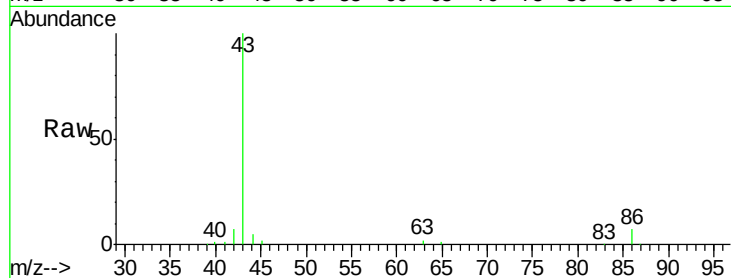




#23
 Vinyl Acetate
 Concen: 45.883 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

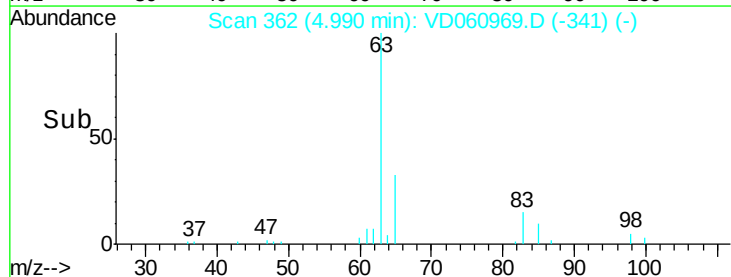
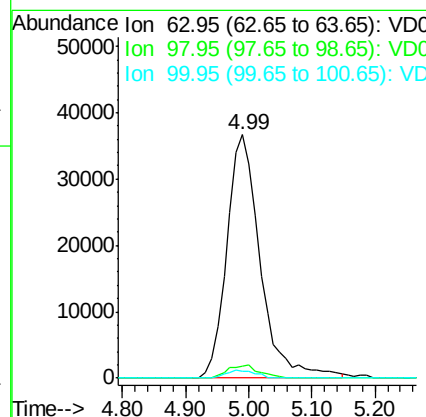
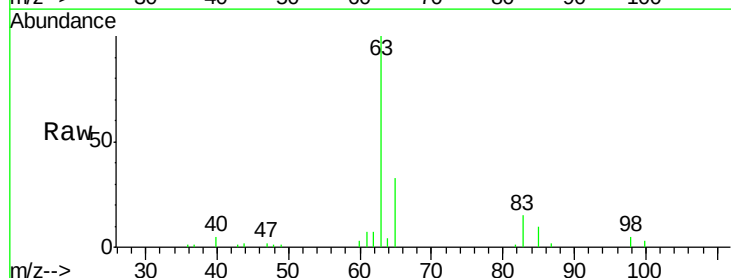
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

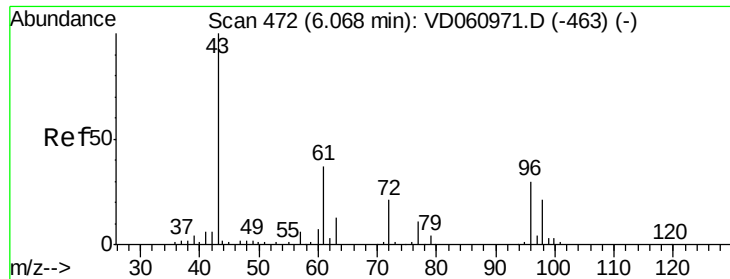
Tgt Ion: 43 Resp: 666215
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.2 9.2



#24
 1,1-Dichloroethane
 Concen: 9.028 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 63 Resp: 134514
 Ion Ratio Lower Upper
 63 100
 98 4.8 3.0 9.2
 100 2.9 2.0 5.8





#25

2-Butanone

Concen: 40.632 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

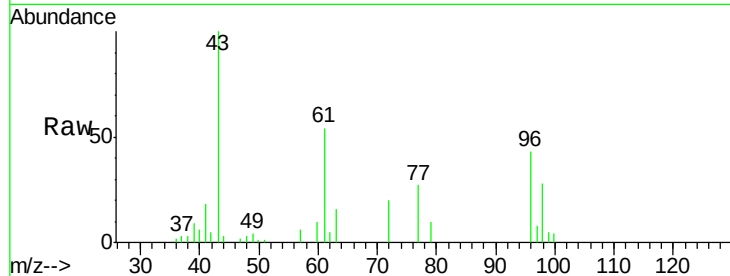
VSTDIC010

Tgt Ion: 43 Resp: 95915

Ion Ratio Lower Upper

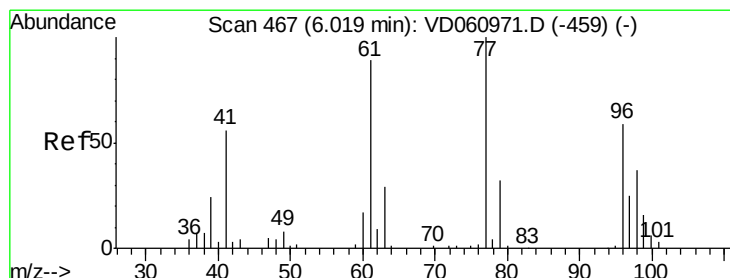
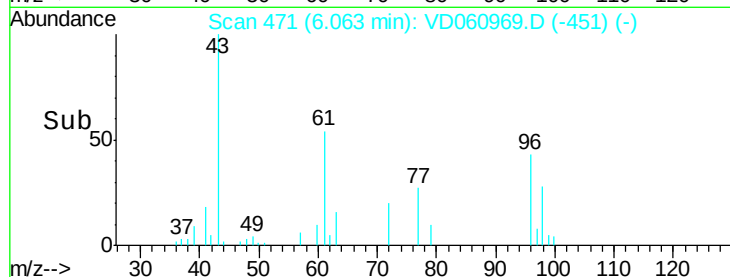
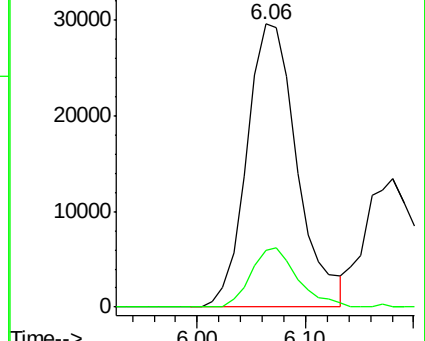
43 100

72 20.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.262 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060969.D

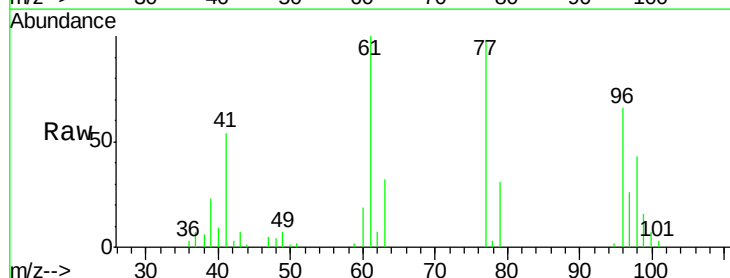
Acq: 7 Mar 2019 15:35

Tgt Ion: 77 Resp: 102555

Ion Ratio Lower Upper

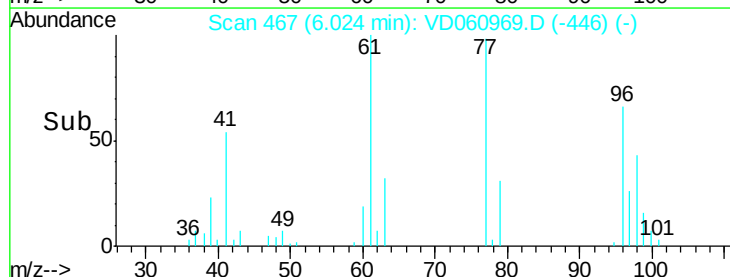
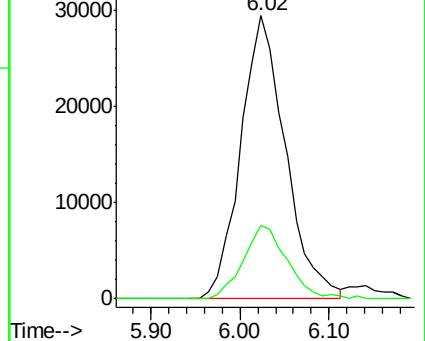
77 100

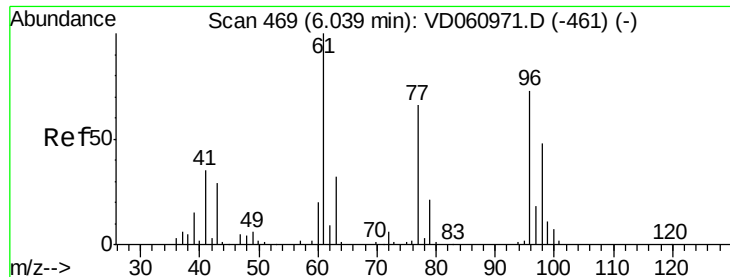
97 25.9 12.6 37.6



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: 8.361 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

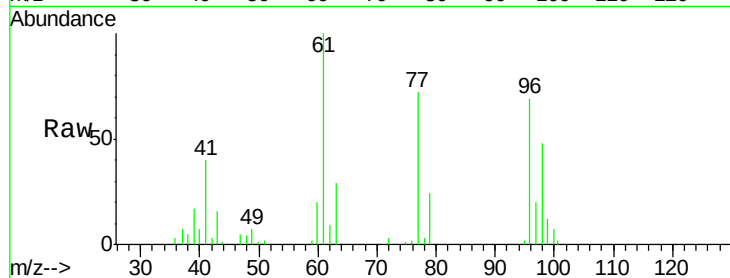
Tgt Ion: 96 Resp: 82323

Ion Ratio Lower Upper

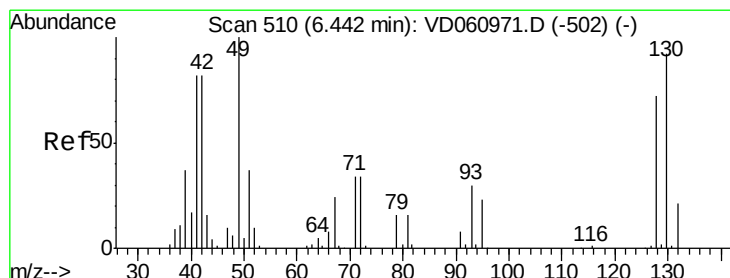
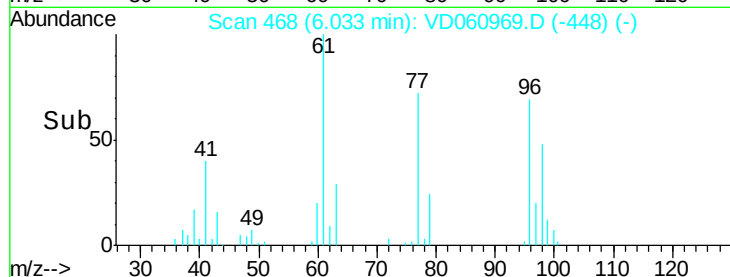
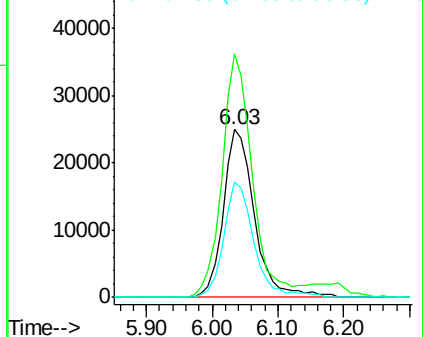
96 100

61 145.3 0.0 273.6

98 69.1 0.0 132.6



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



#28

Bromochloromethane

Concen: 8.035 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

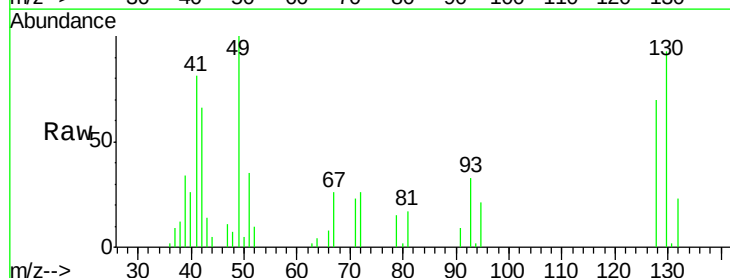
Tgt Ion: 49 Resp: 49748

Ion Ratio Lower Upper

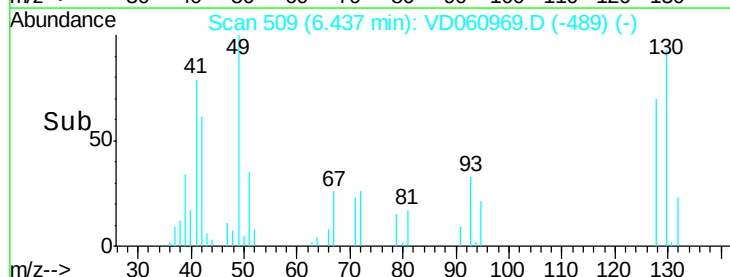
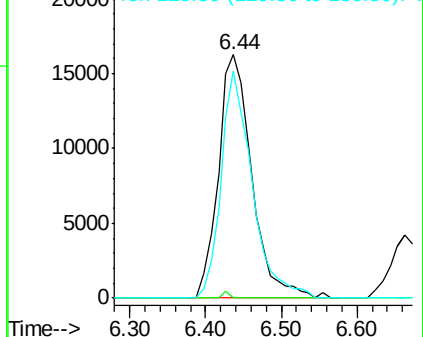
49 100

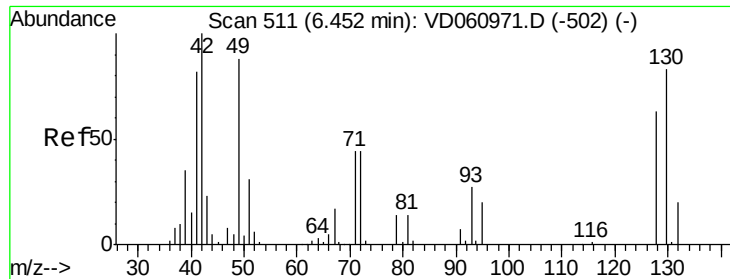
129 0.0 0.0 4.0

130 93.0 73.8 110.8



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

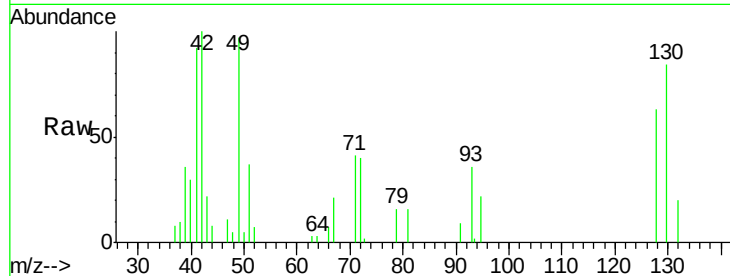




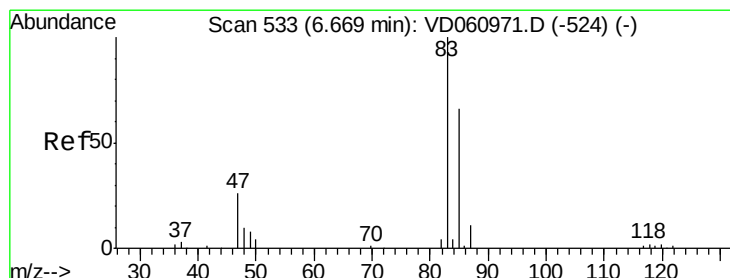
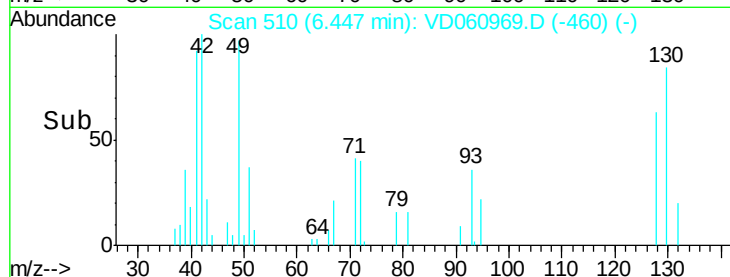
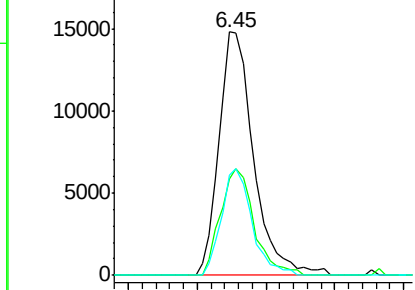
#29
Tetrahydrofuran
Concen: 41.713 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 51502
Ion Ratio Lower Upper
42 100
72 42.5 34.5 51.7
71 38.6 33.8 50.6

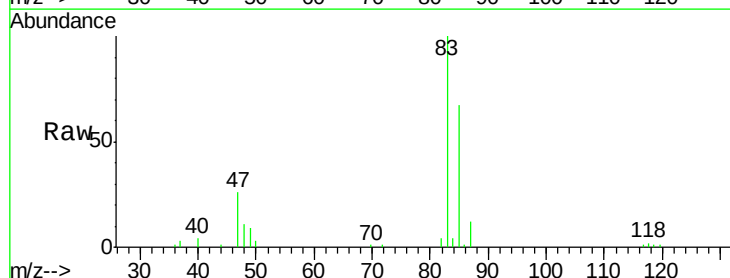


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

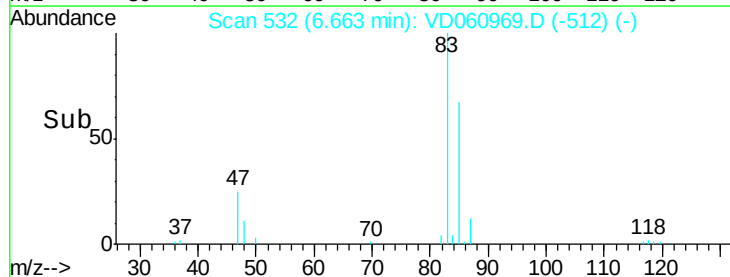
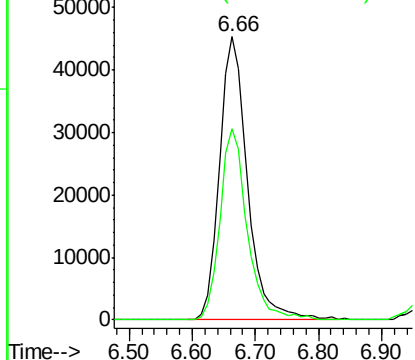


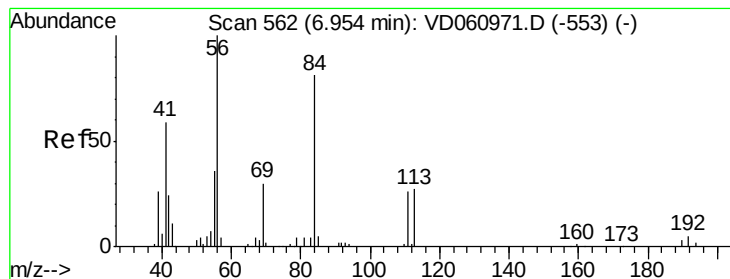
#30
Chloroform
Concen: 9.703 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 83 Resp: 139882
Ion Ratio Lower Upper
83 100
85 67.5 53.0 79.4



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





#31

Cyclohexane

Concen: 8.871 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

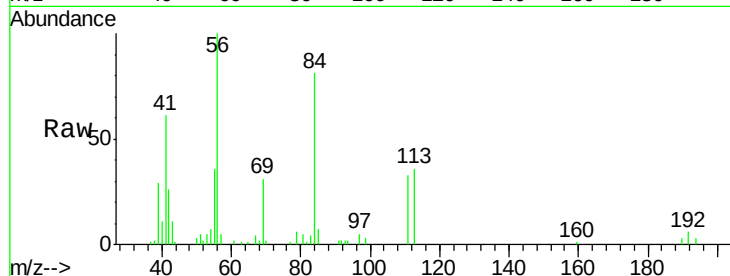
Tgt Ion: 56 Resp: 112165

Ion Ratio Lower Upper

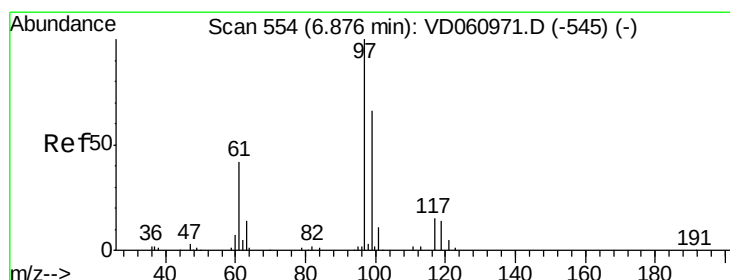
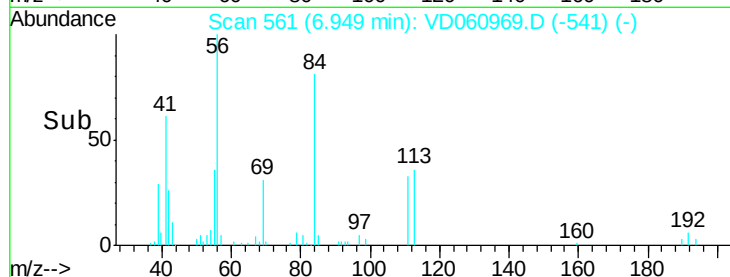
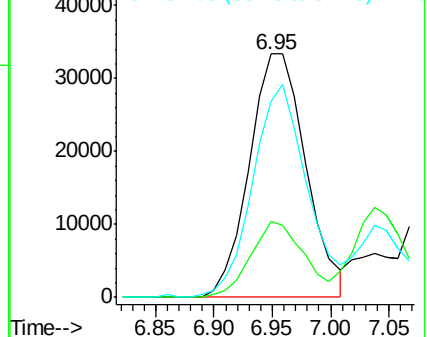
56 100

69 31.2 24.0 36.0

84 80.8 65.8 98.6



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: 9.557 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

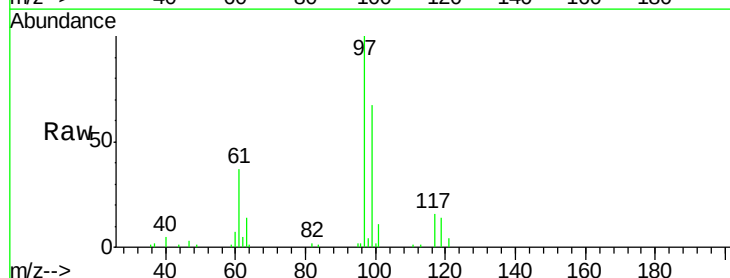
Tgt Ion: 97 Resp: 118506

Ion Ratio Lower Upper

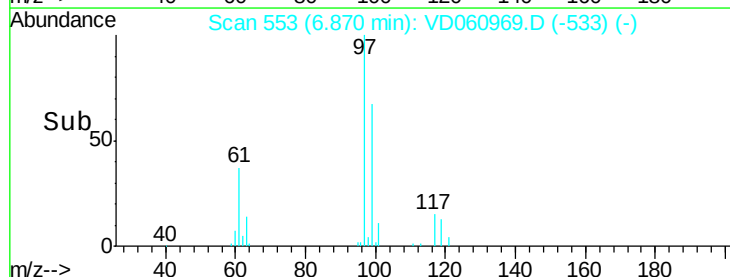
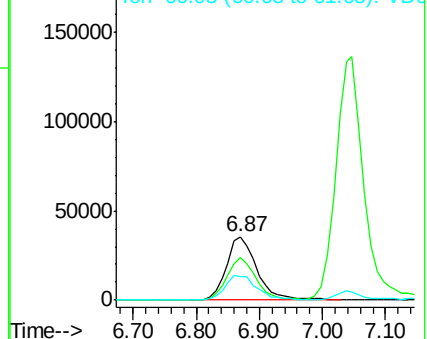
97 100

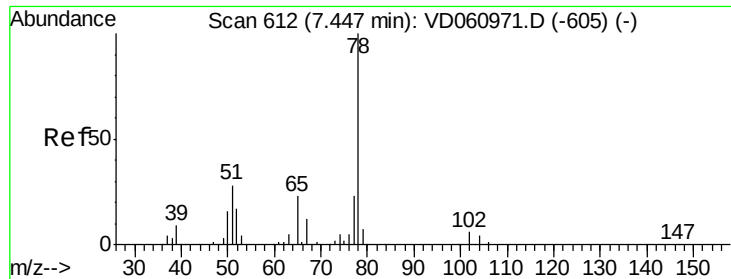
99 67.3 53.2 79.8

61 37.3 33.8 50.8



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

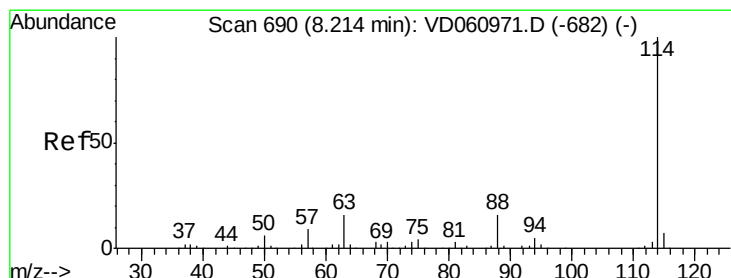
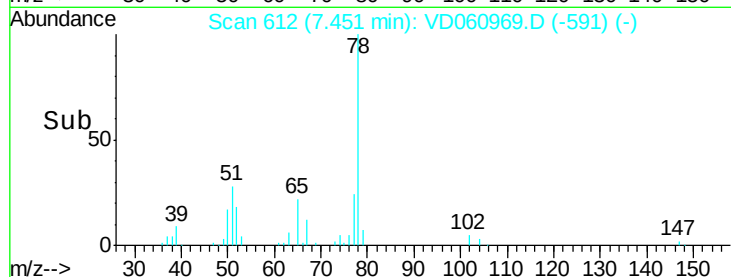
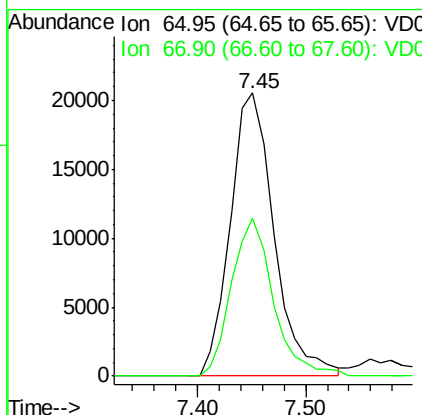
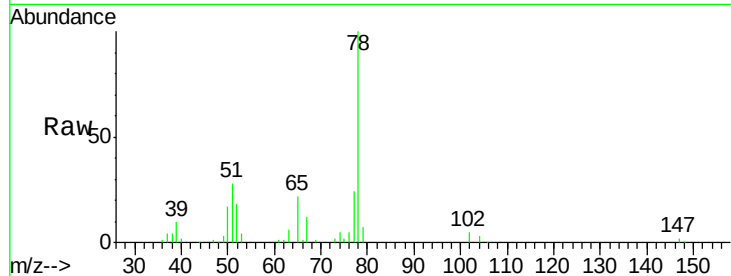




#33
 1,2-Dichloroethane-d4
 Concen: 9.557 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

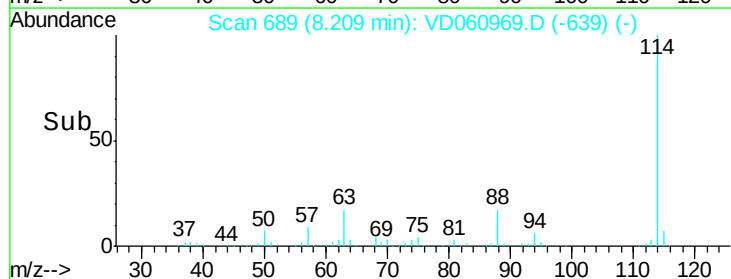
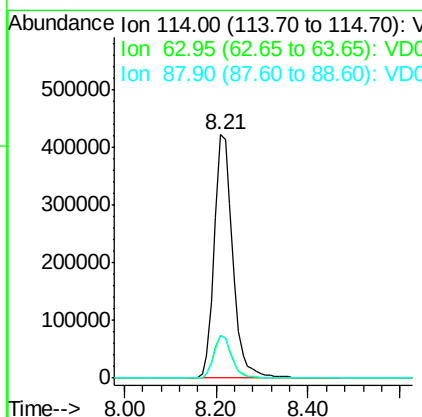
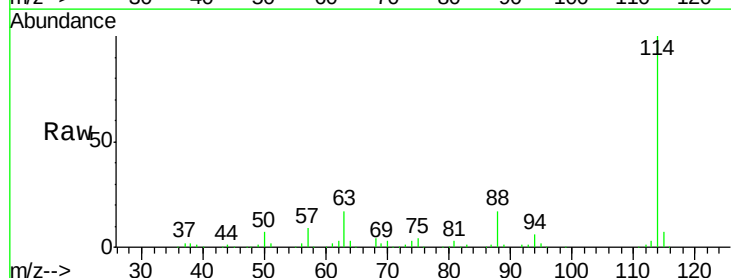
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

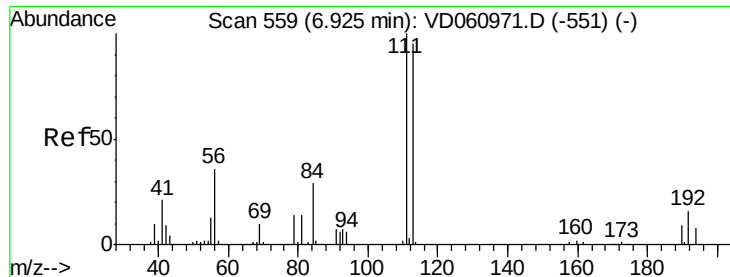
Tgt Ion: 65 Resp: 57976
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 114 Resp: 1166255
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 31.4
 88 17.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

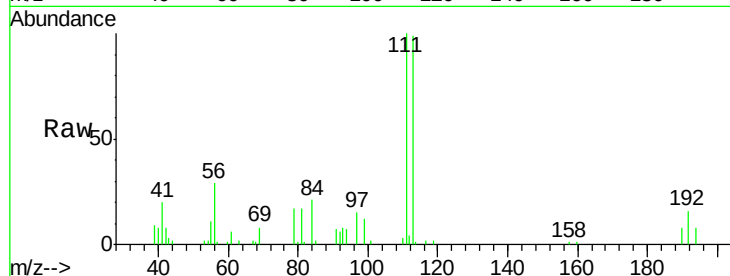
Tgt Ion:113 Resp: 85055

Ion Ratio Lower Upper

113 100

111 100.6 84.2 126.4

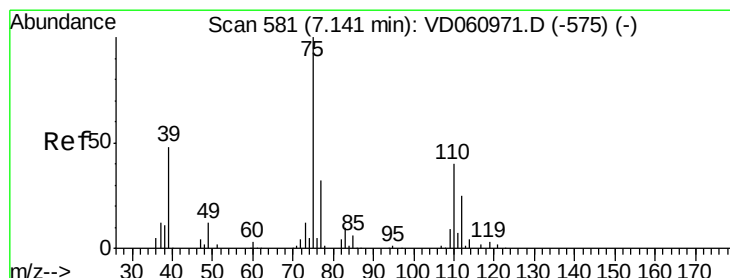
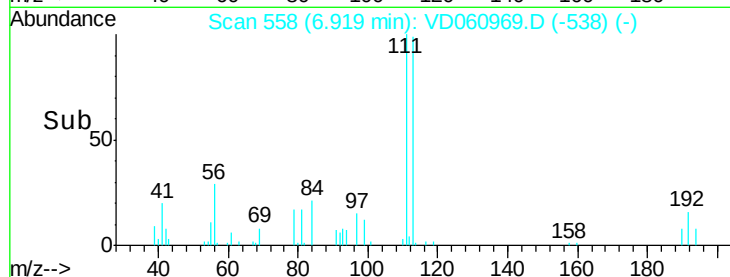
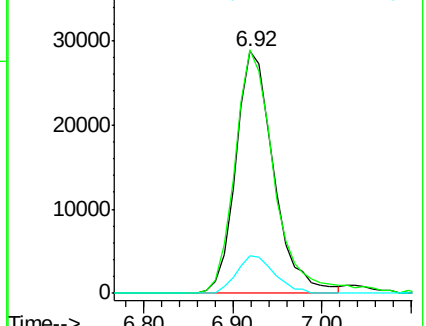
192 15.7 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 10.750 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

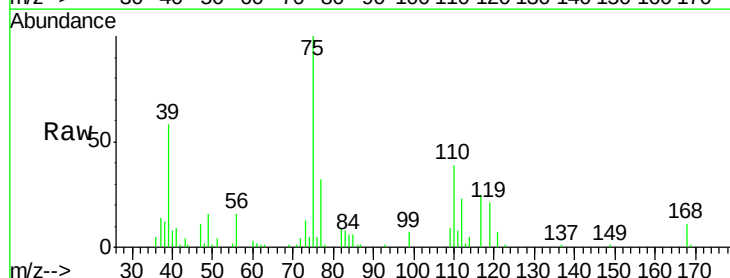
Tgt Ion: 75 Resp: 114954

Ion Ratio Lower Upper

75 100

110 38.7 19.7 59.1

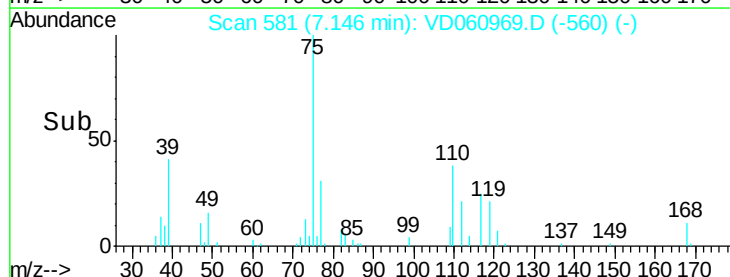
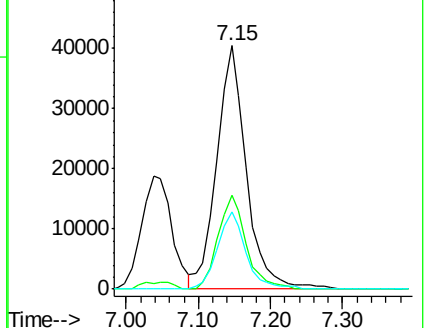
77 31.8 24.7 37.1

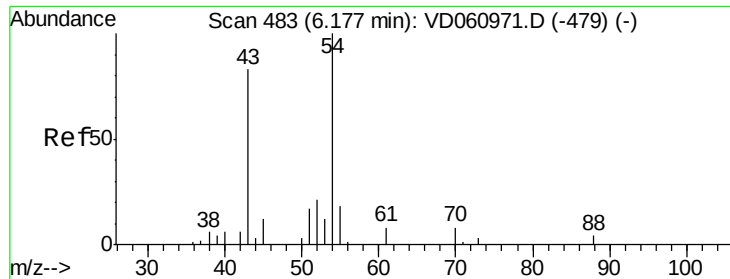


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

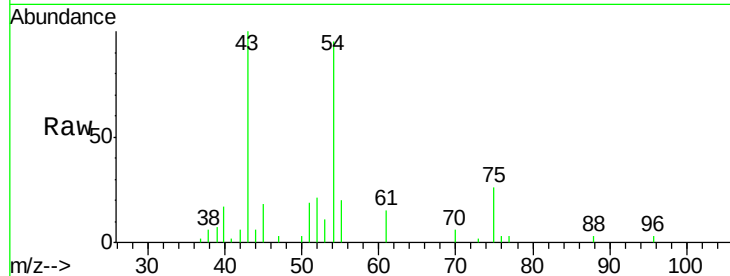




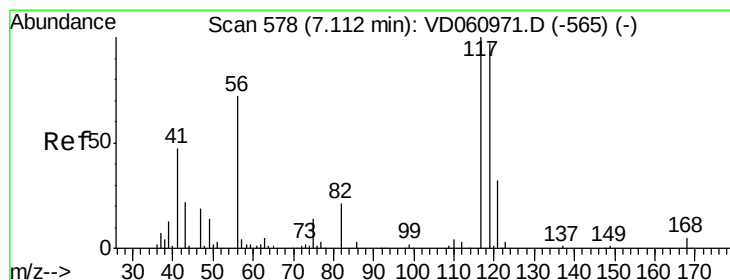
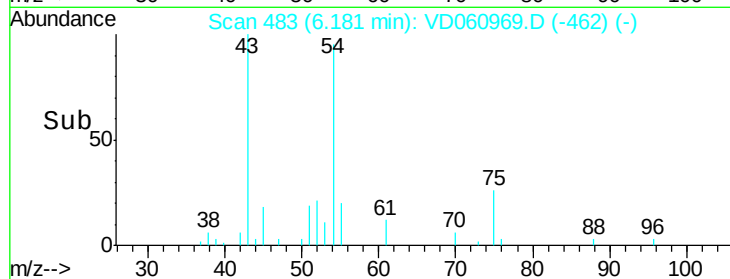
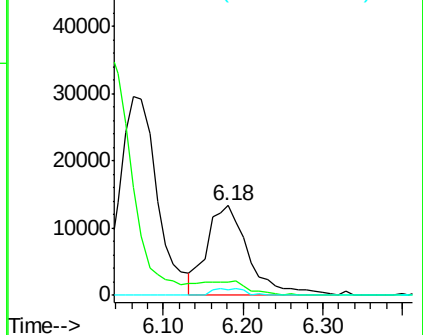
#37
Ethyl Acetate
Concen: 8.946 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 48877
Ion Ratio Lower Upper
43 100
61 14.7 13.7 20.5
70 5.9 7.1 10.7#

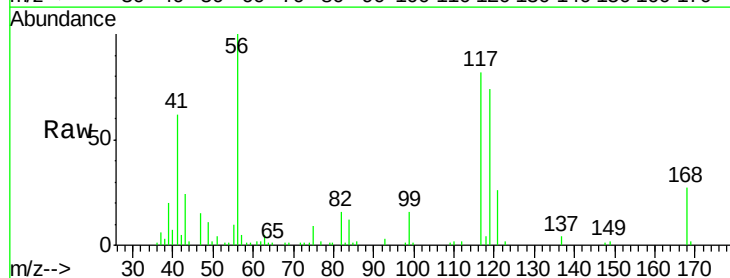


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

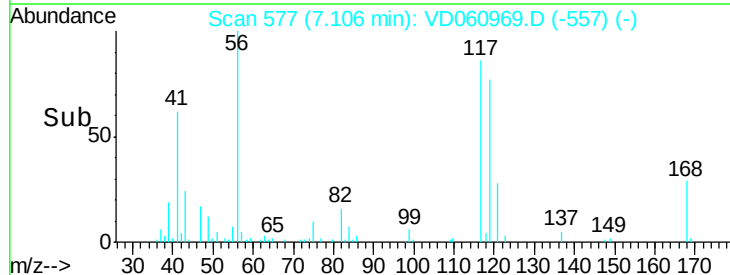
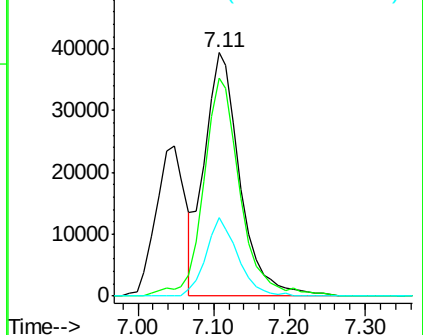


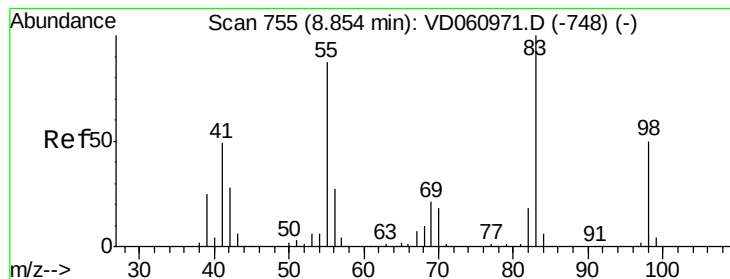
#38
Carbon Tetrachloride
Concen: 11.121 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 117 Resp: 128898
Ion Ratio Lower Upper
117 100
119 89.8 77.8 116.8
121 32.1 25.3 37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 9.808 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

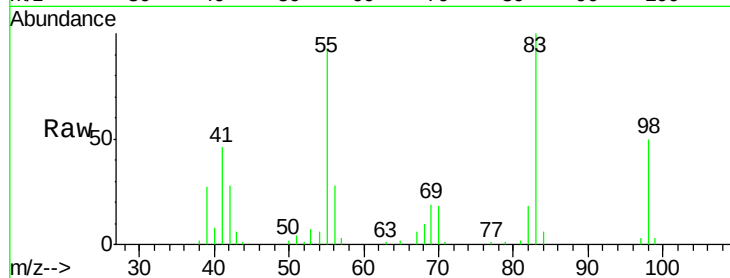
Tgt Ion: 83 Resp: 114306

Ion Ratio Lower Upper

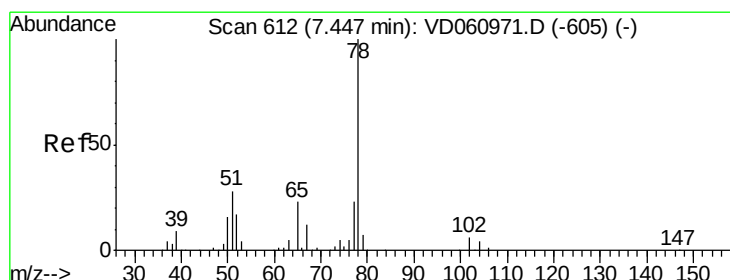
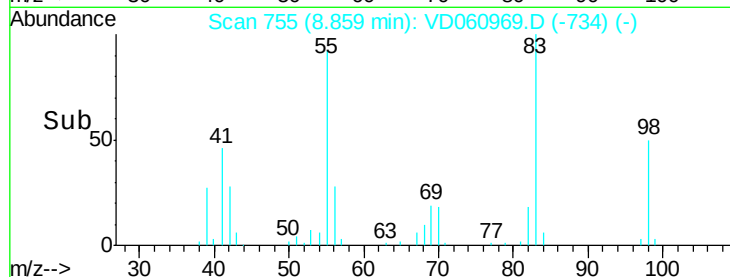
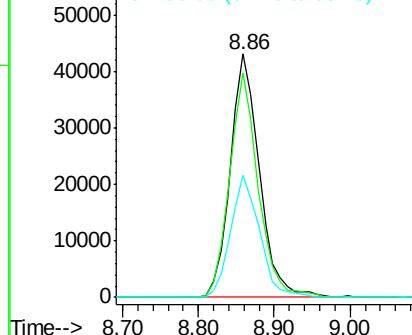
83 100

55 92.2 69.6 104.4

98 50.3 40.0 60.0



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: 9.618 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060969.D

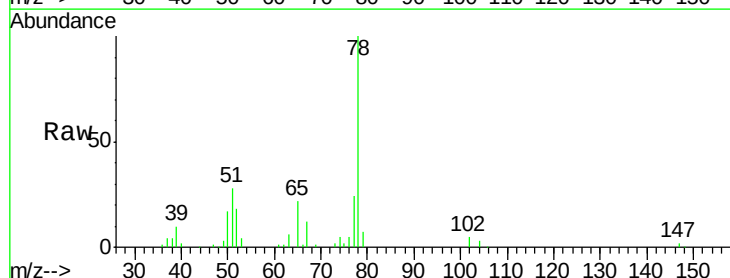
Acq: 7 Mar 2019 15:35

Tgt Ion: 78 Resp: 265402

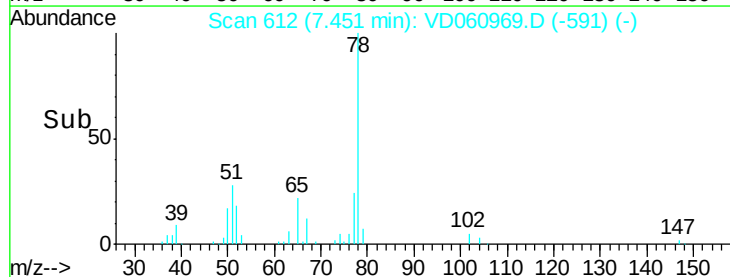
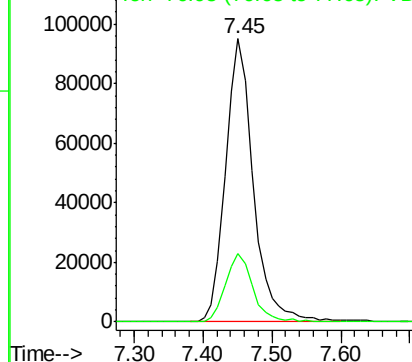
Ion Ratio Lower Upper

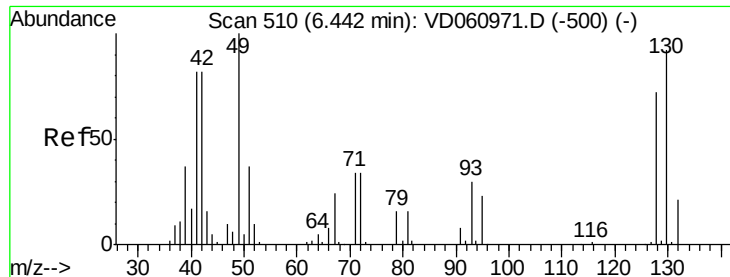
78 100

77 23.9 18.8 28.2



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





#41

Methacrylonitrile

Concen: 14.244 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 55783

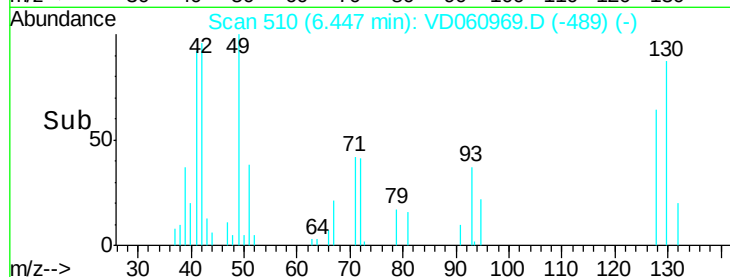
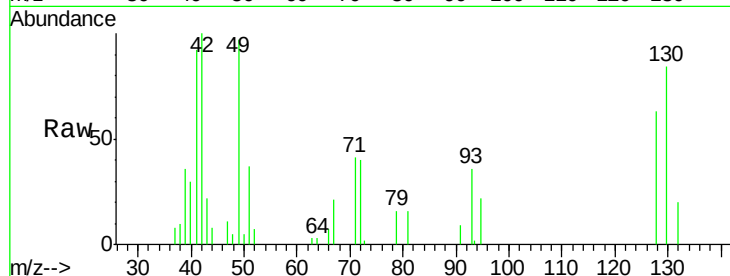
Ion Ratio Lower Upper

41 100

39 39.6 35.7 53.5

67 22.7 23.0 34.6#

52 8.0 9.2 13.8#

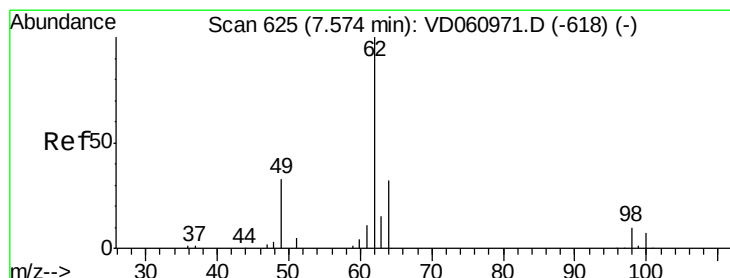
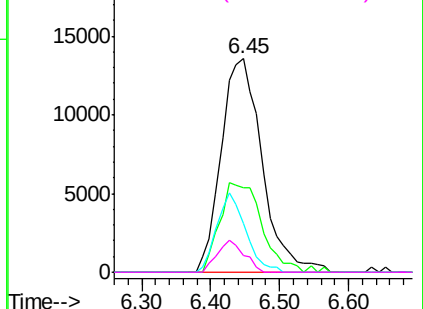


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 9.724 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD060969.D

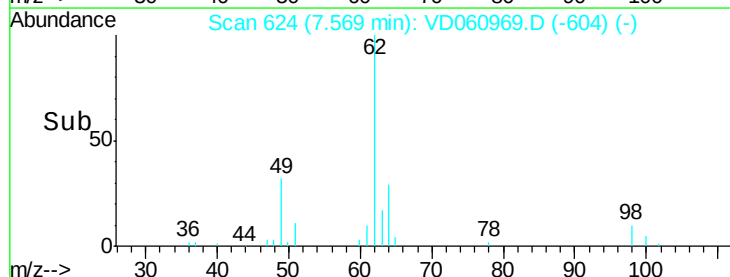
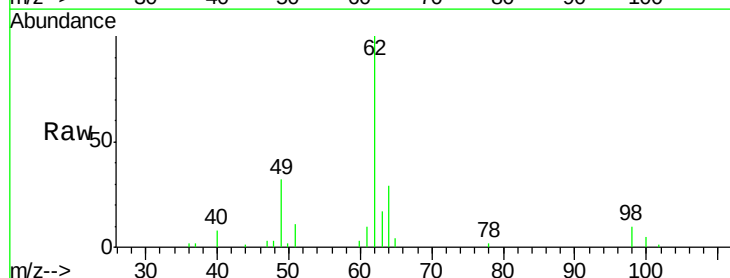
Acq: 7 Mar 2019 15:35

Tgt Ion: 62 Resp: 75952

Ion Ratio Lower Upper

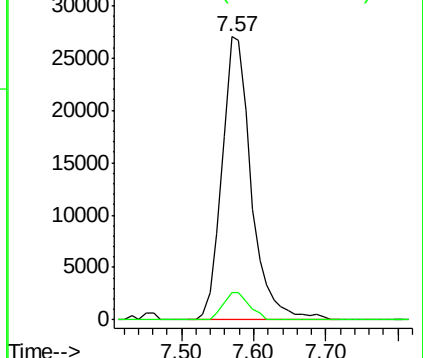
62 100

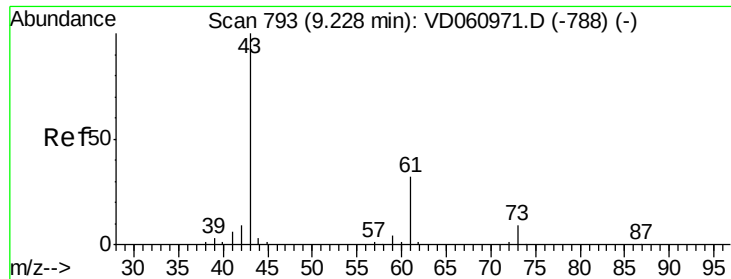
98 9.5 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 8.489 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

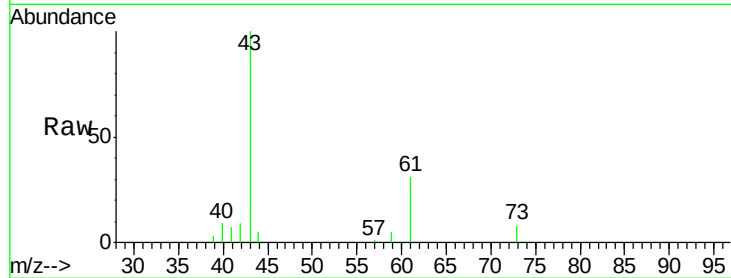
Tgt Ion: 43 Resp: 64544

Ion Ratio Lower Upper

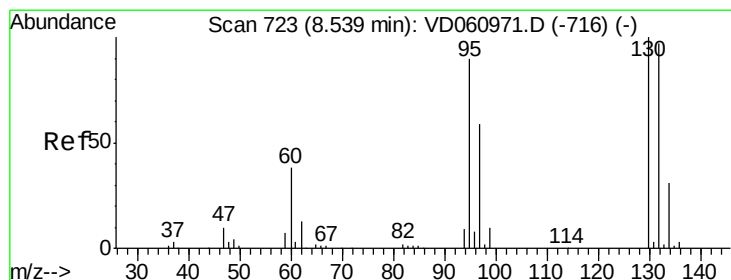
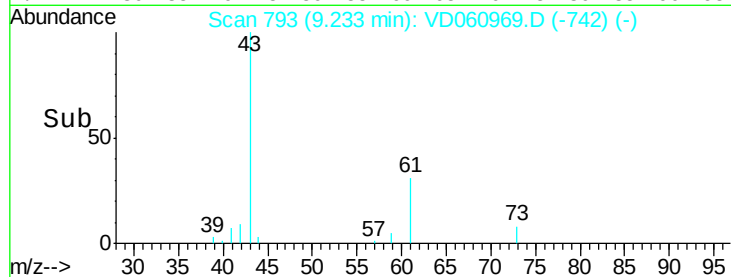
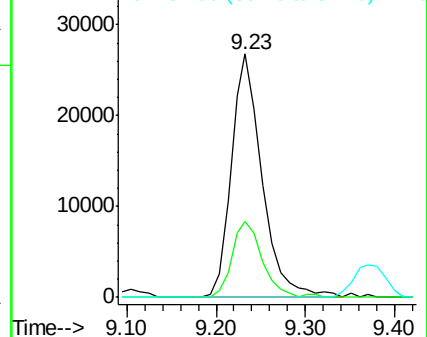
43 100

61 31.4 25.6 38.4

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 9.335 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD060969.D

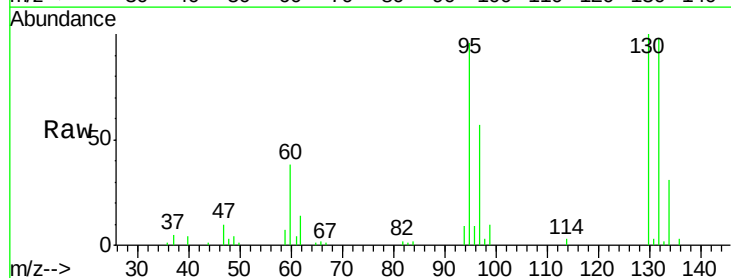
Acq: 7 Mar 2019 15:35

Tgt Ion:130 Resp: 87406

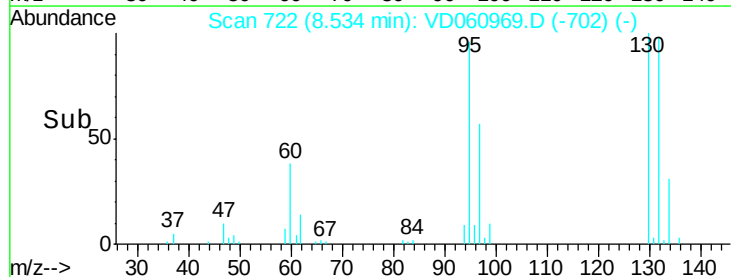
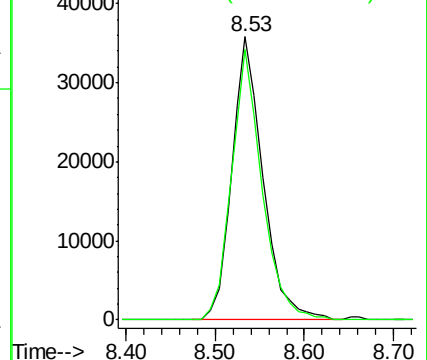
Ion Ratio Lower Upper

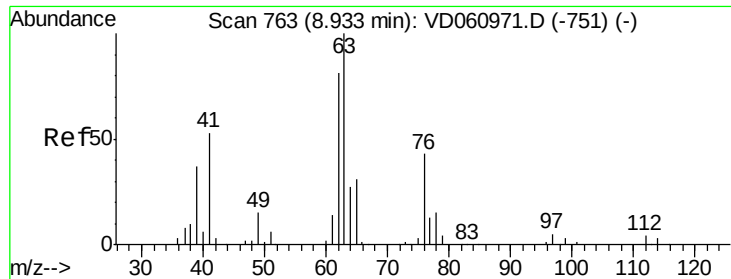
130 100

95 95.8 0.0 179.4



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

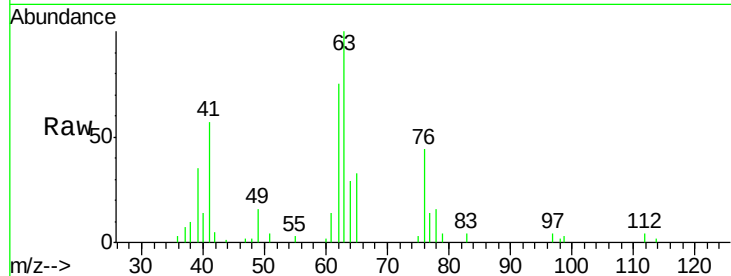




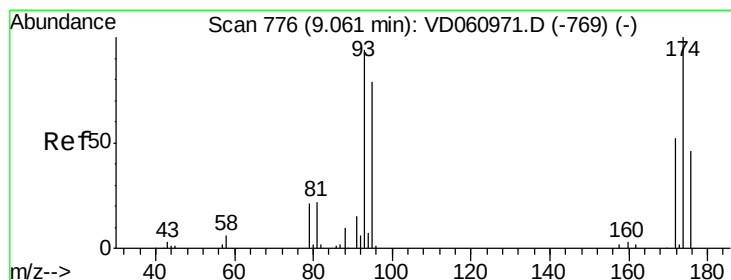
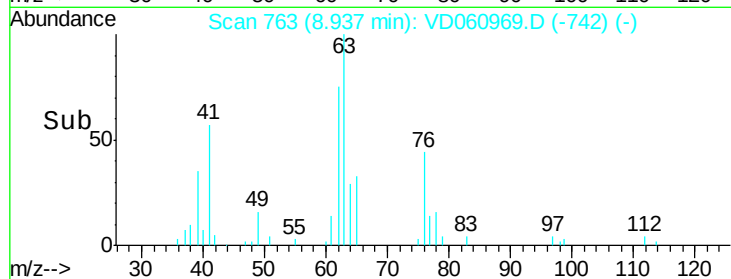
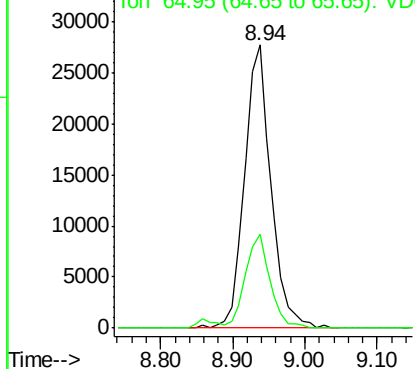
#45
 1,2-Dichloropropane
 Concen: 9.767 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 70816
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.8 37.2

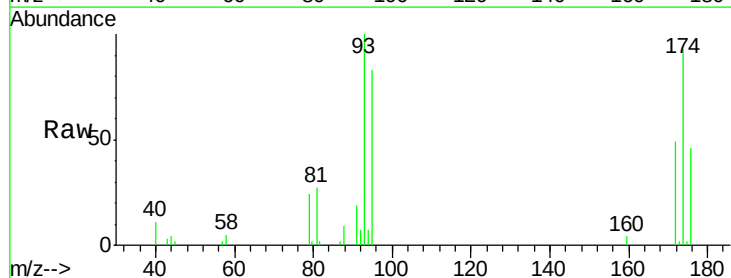


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

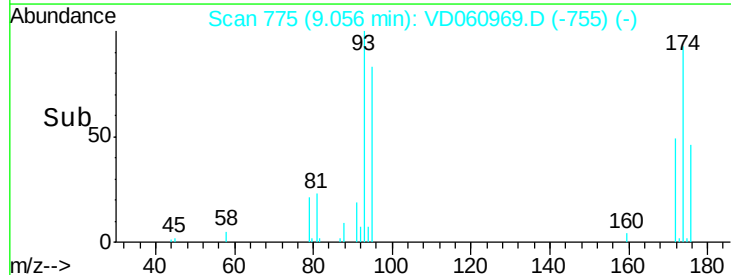
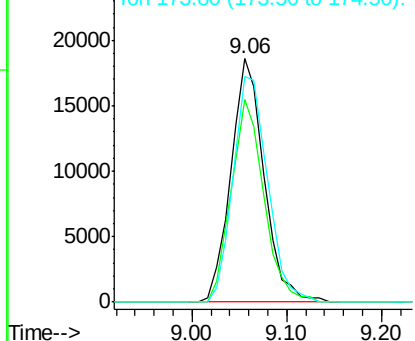


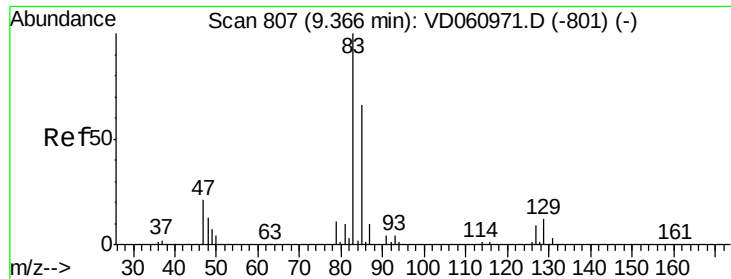
#46
 Dibromomethane
 Concen: 9.711 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 93 Resp: 45051
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.4 101.0
 174 92.7 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.144 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

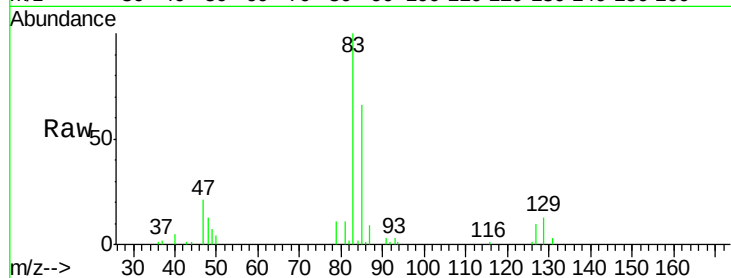
Tgt Ion: 83 Resp: 94144

Ion Ratio Lower Upper

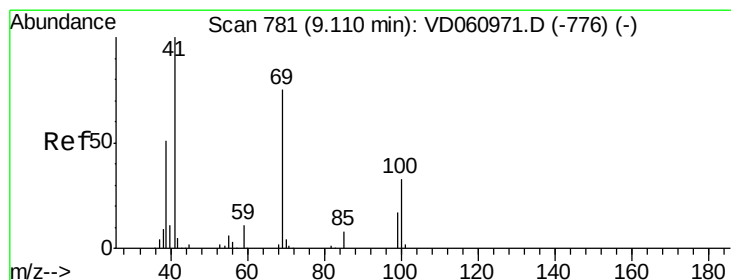
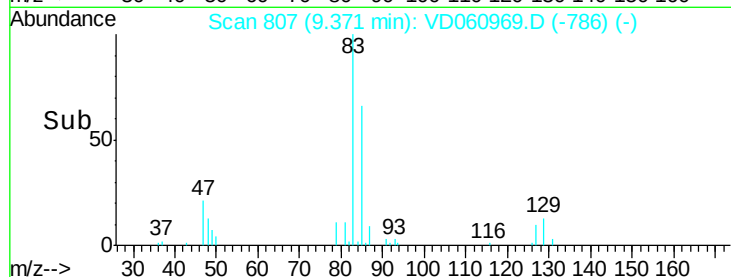
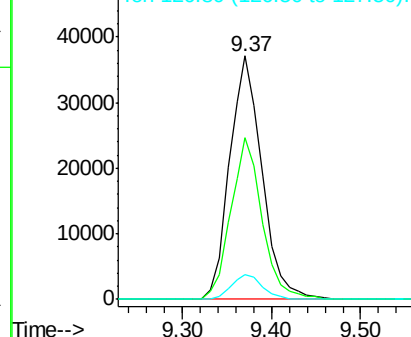
83 100

85 66.2 52.5 78.7

127 10.0 7.5 11.3



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



#48

Methyl methacrylate

Concen: 9.400 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

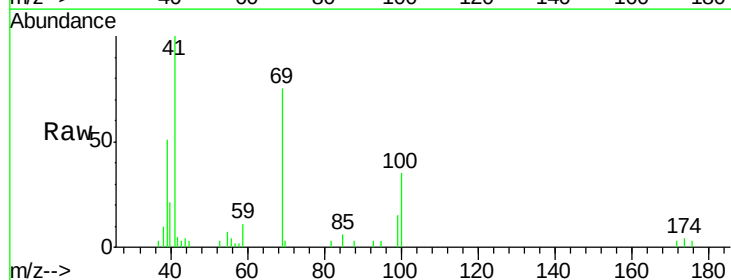
Tgt Ion: 41 Resp: 40408

Ion Ratio Lower Upper

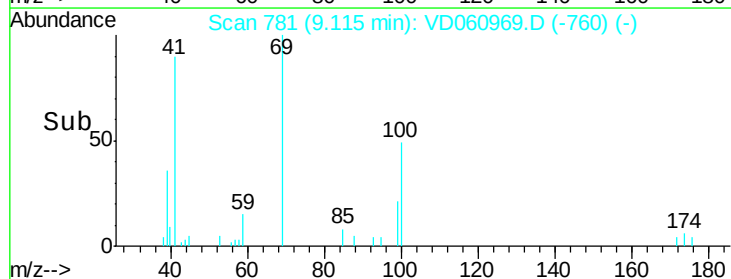
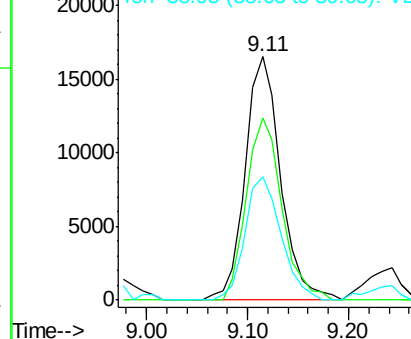
41 100

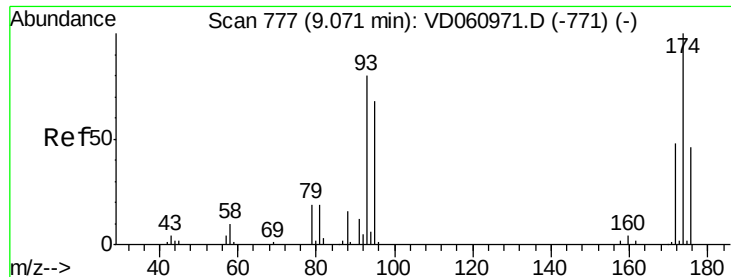
69 74.7 59.9 89.9

39 50.7 40.9 61.3



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

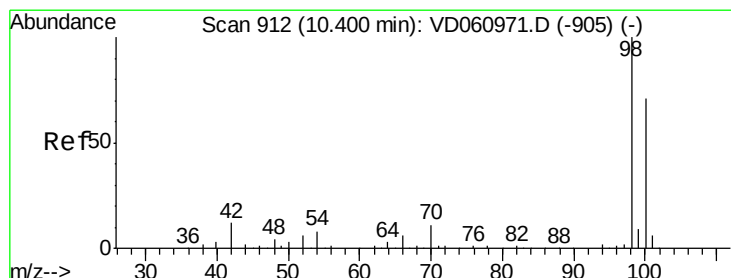
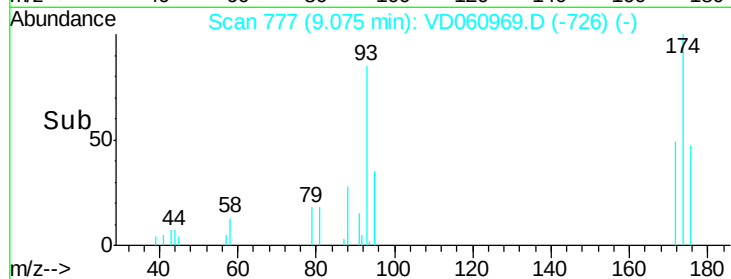
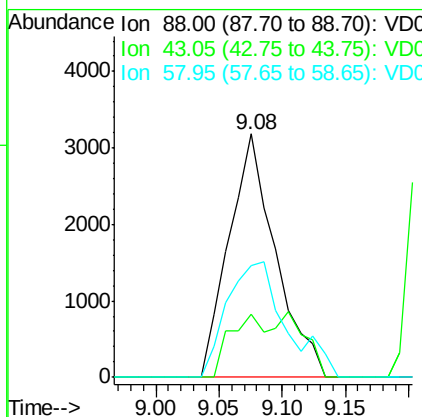
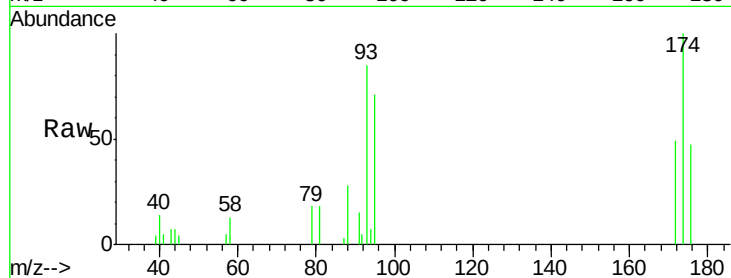




#49
 1,4-Dioxane
 Concen: 184.779 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

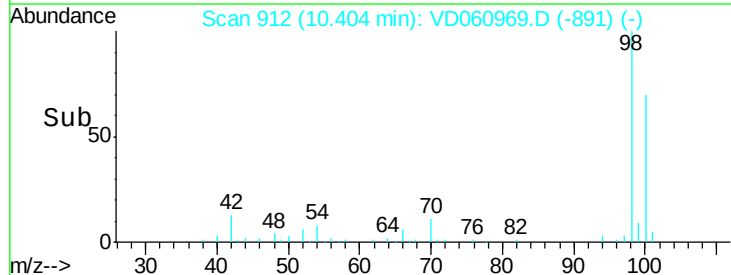
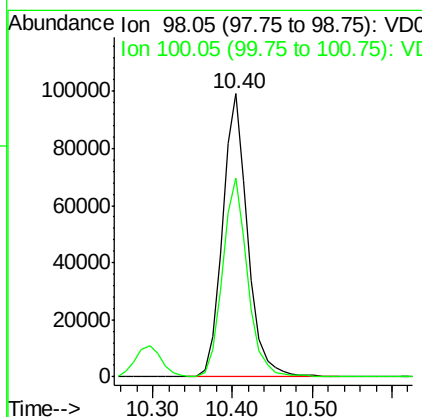
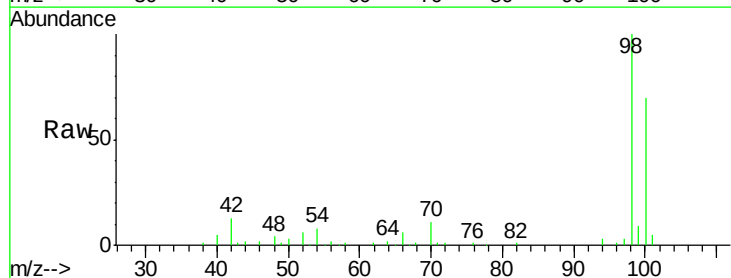
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

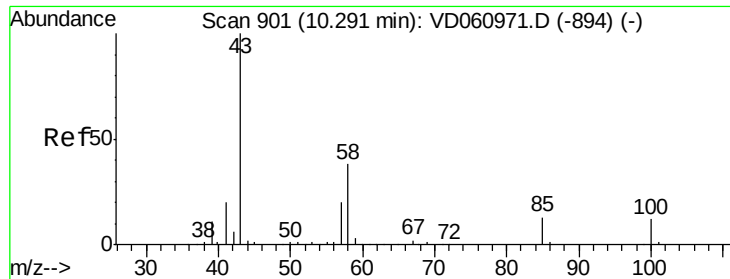
Tgt Ion: 88 Resp: 8152
 Ion Ratio Lower Upper
 88 100
 43 25.9 21.0 31.6
 58 46.0 48.6 72.8#



#50
 Toluene-d8
 Concen: 184.779 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 98 Resp: 218533
 Ion Ratio Lower Upper
 98 100
 100 70.2 57.4 86.2

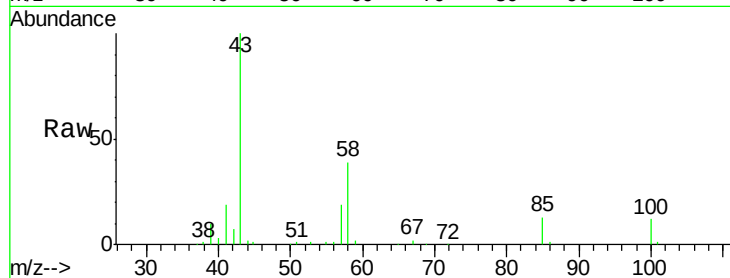




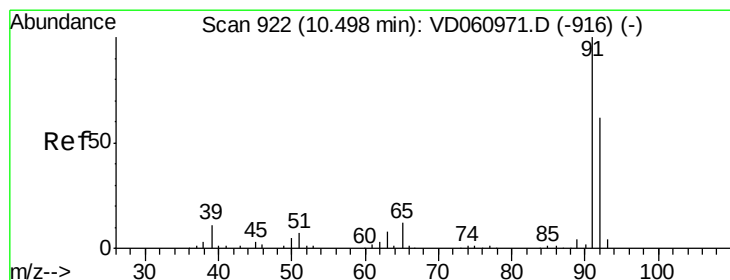
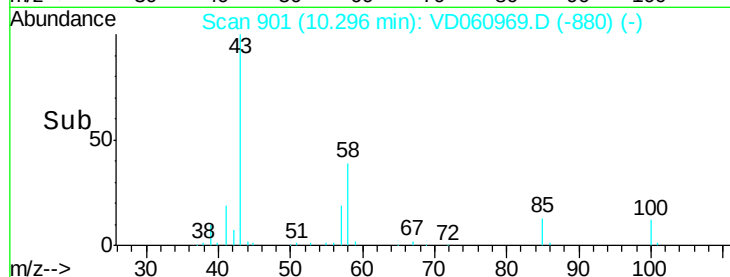
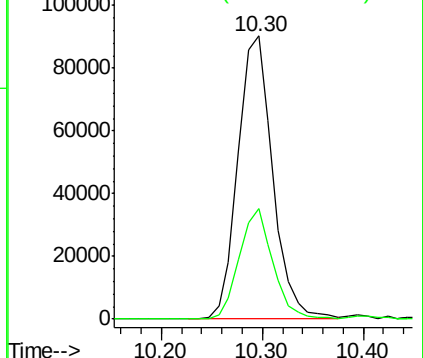
#51
4-Methyl-2-Pentanone
Concen: 46.710 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 216844
Ion Ratio Lower Upper
43 100
58 38.9 30.2 45.2

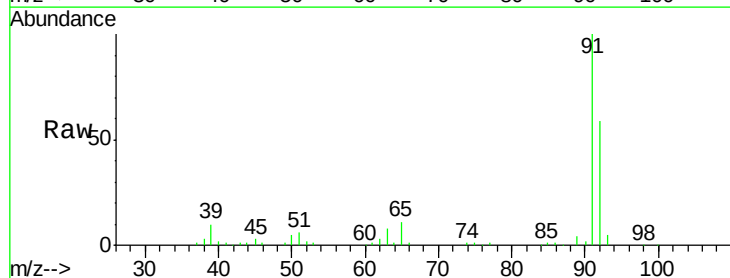


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

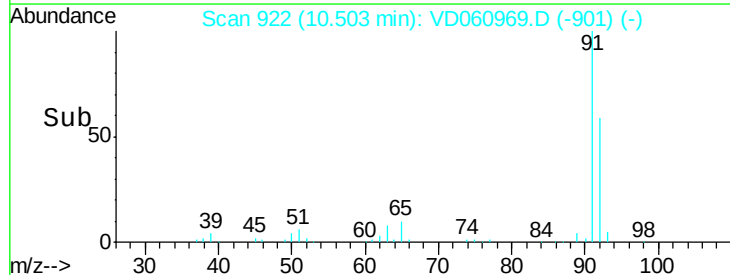
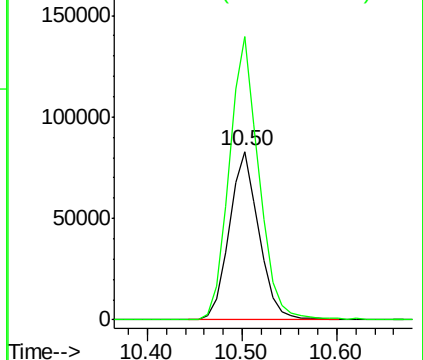


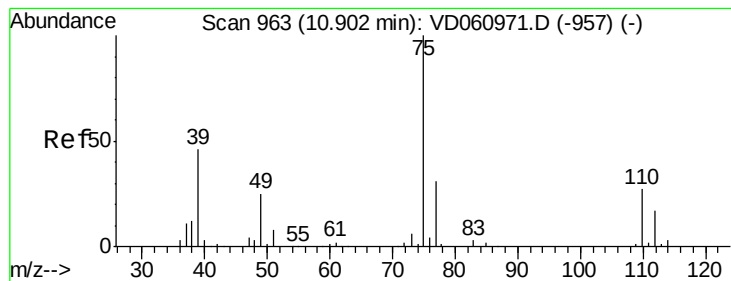
#52
Toluene
Concen: 10.190 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 92 Resp: 178956
Ion Ratio Lower Upper
92 100
91 168.2 129.8 194.8



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: 9.907 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

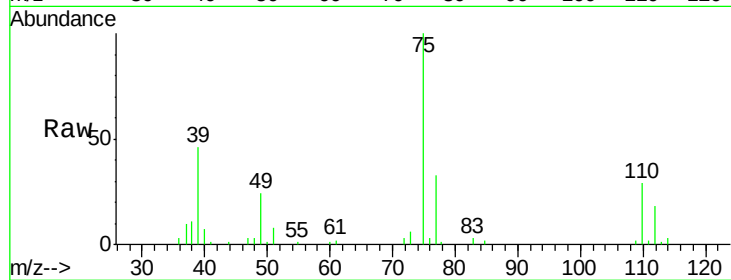
VSTDIC010

Tgt Ion: 75 Resp: 92672

Ion Ratio Lower Upper

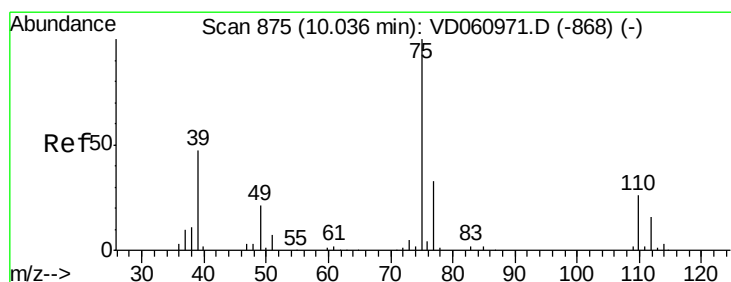
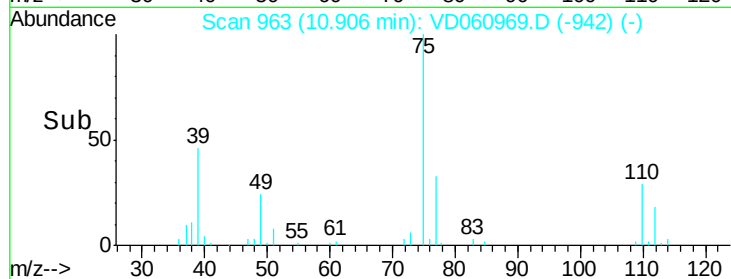
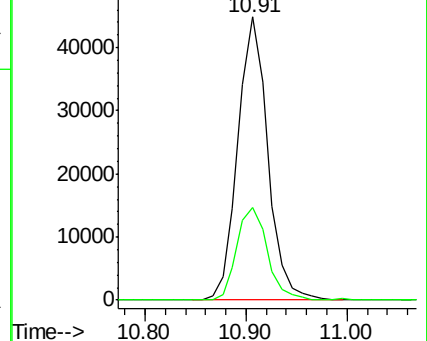
75 100

77 32.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.679 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

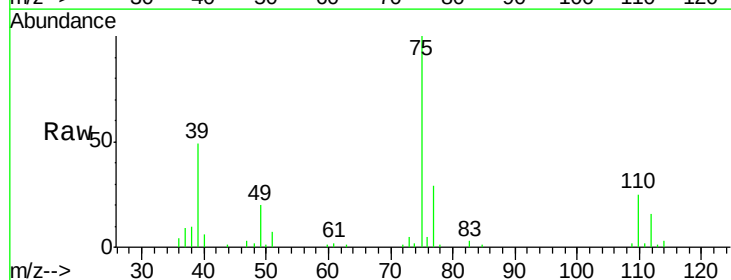
Tgt Ion: 75 Resp: 111059

Ion Ratio Lower Upper

75 100

77 29.2 26.2 39.4

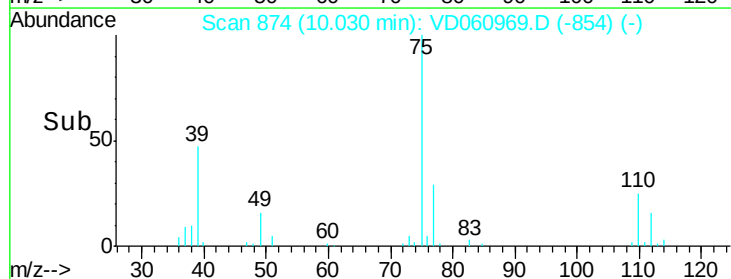
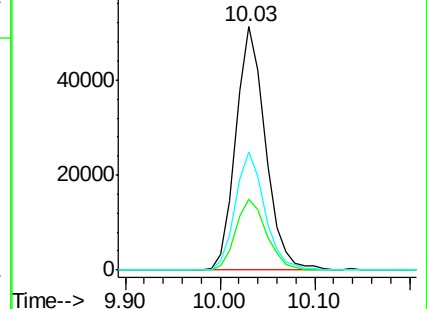
39 48.8 37.8 56.8

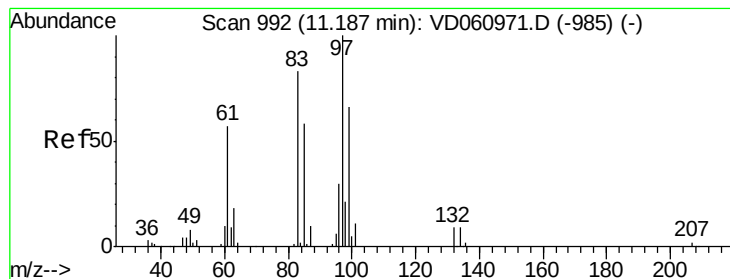


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 9.593 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 55705

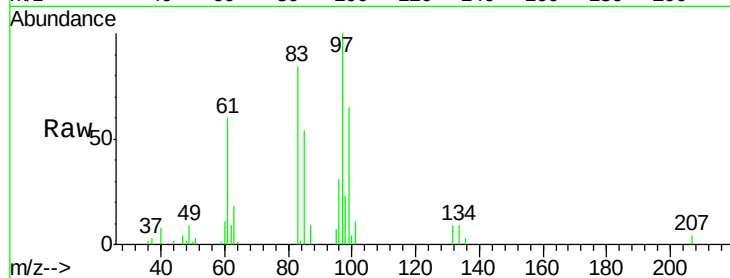
Ion Ratio Lower Upper

97 100

83 83.9 66.6 100.0

85 54.4 46.4 69.6

99 65.2 52.4 78.6

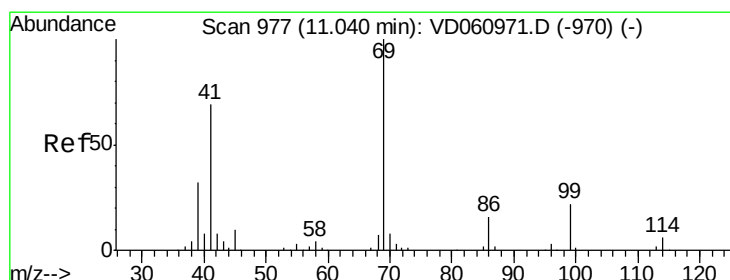
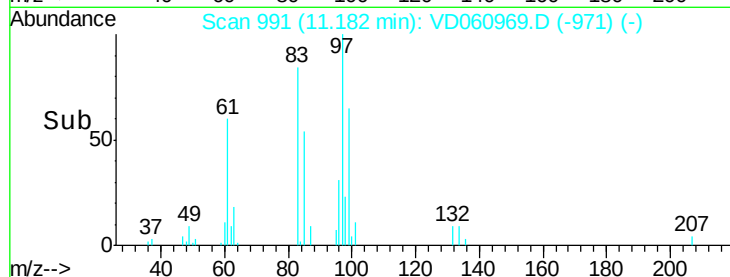
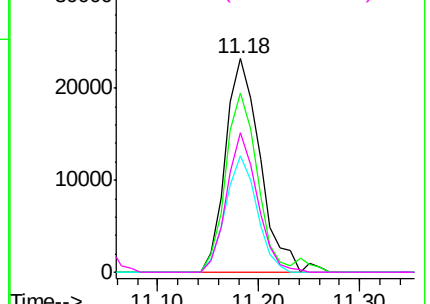


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 9.232 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

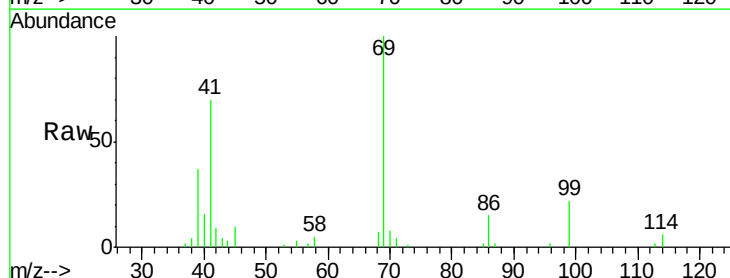
Tgt Ion: 69 Resp: 56272

Ion Ratio Lower Upper

69 100

41 70.2 55.5 83.3

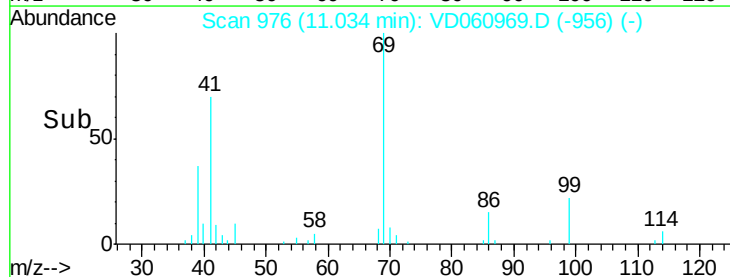
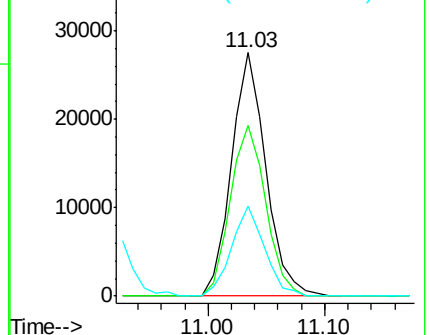
39 36.9 26.2 39.2

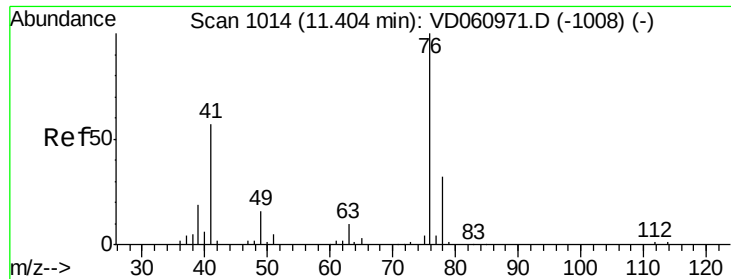


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

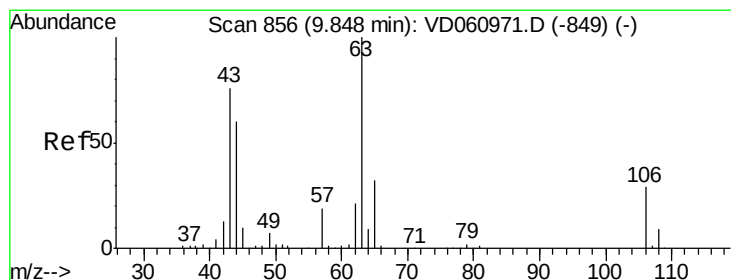
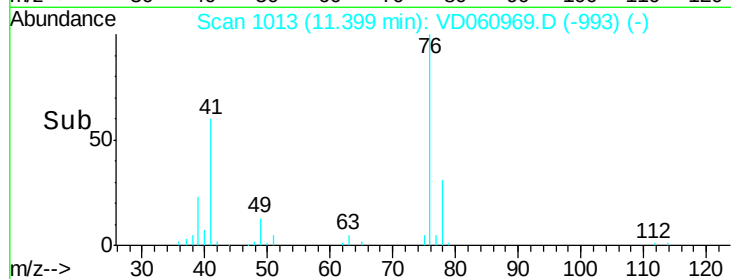
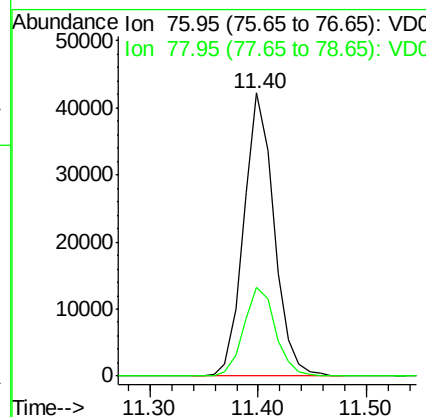
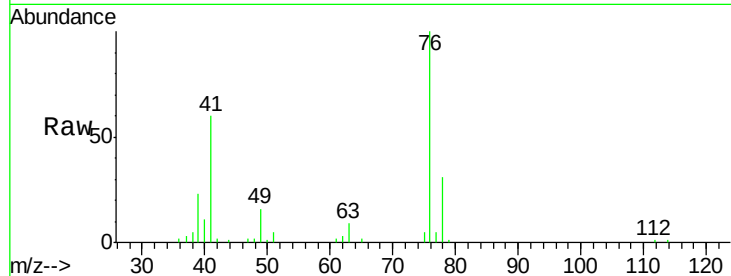




#57
 1,3-Dichloropropane
 Concen: 9.768 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

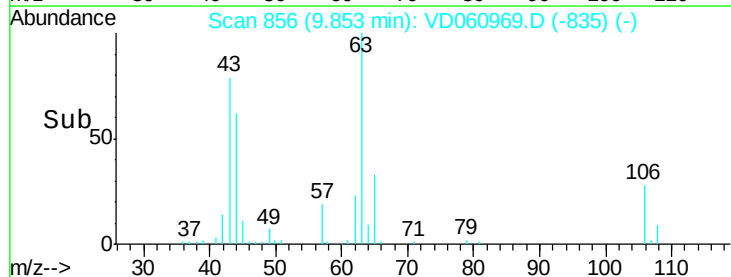
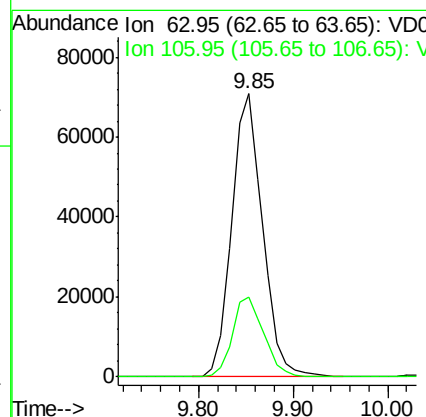
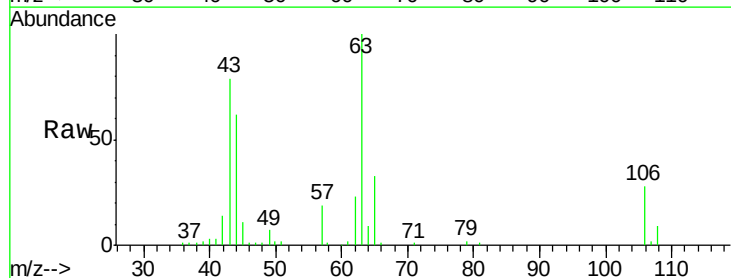
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

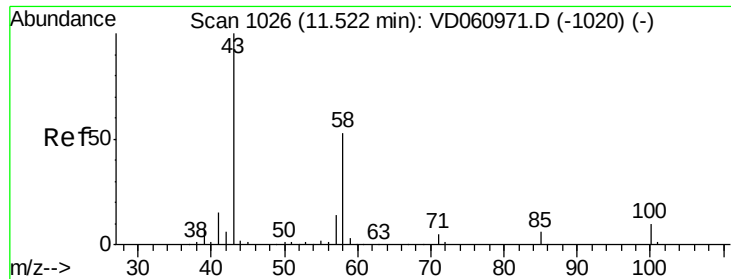
Tgt Ion: 76 Resp: 81998
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.761 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 63 Resp: 159131
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.8 34.2

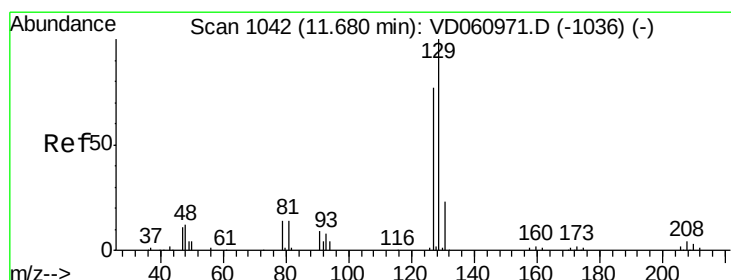
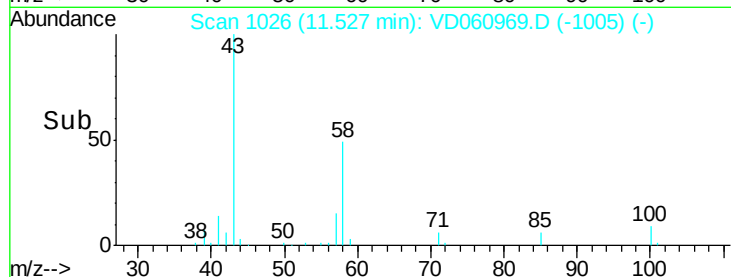
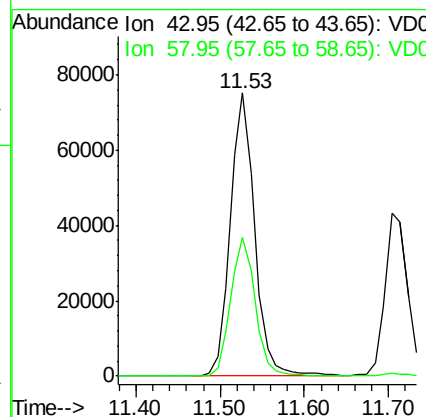
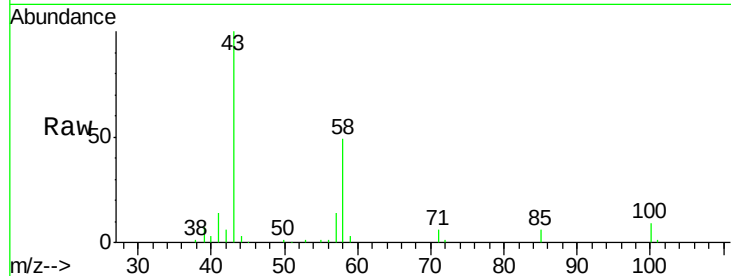




#59
2-Hexanone
Concen: 46.308 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

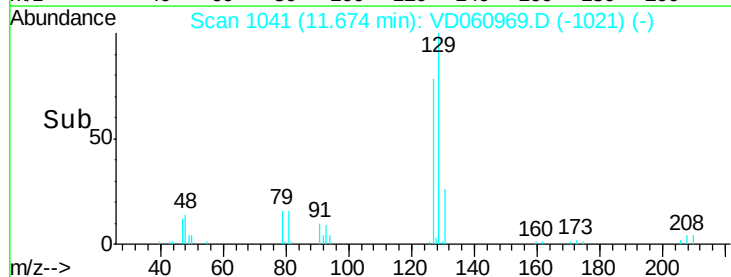
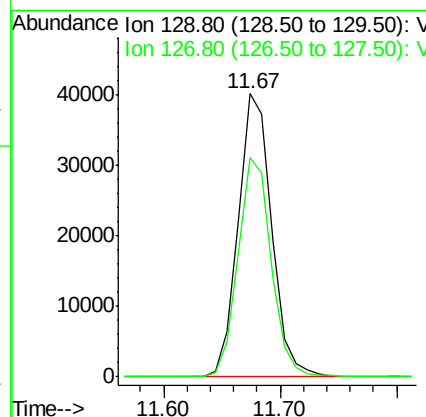
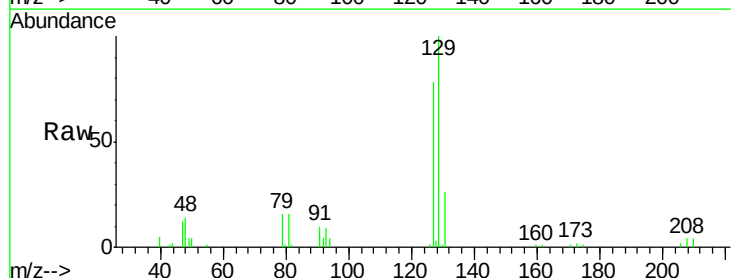
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

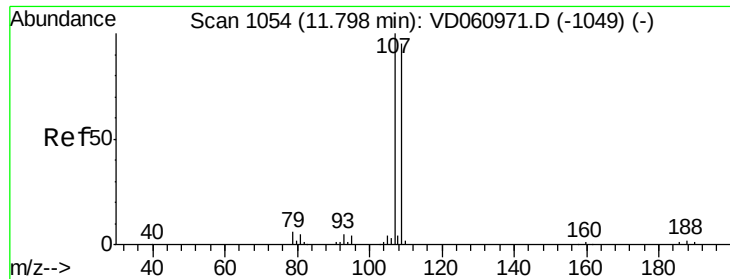
Tgt Ion: 43 Resp: 150854
Ion Ratio Lower Upper
43 100
58 48.9 26.5 79.5



#60
Dibromochloromethane
Concen: 9.488 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 129 Resp: 79595
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

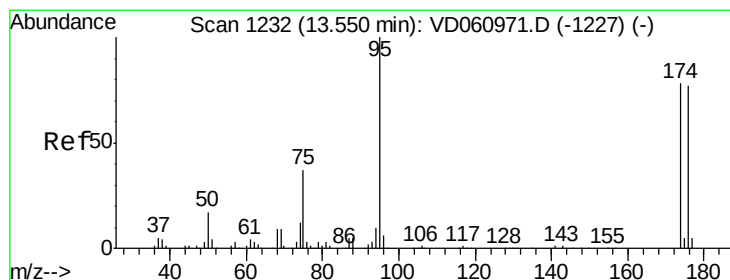
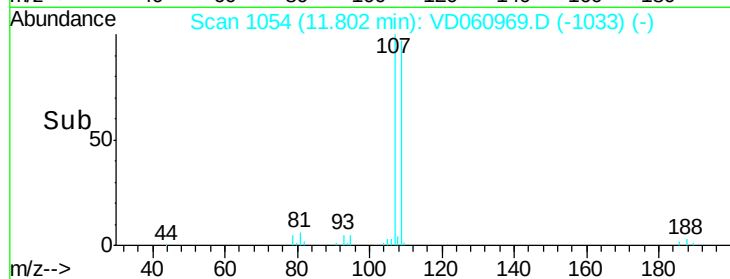
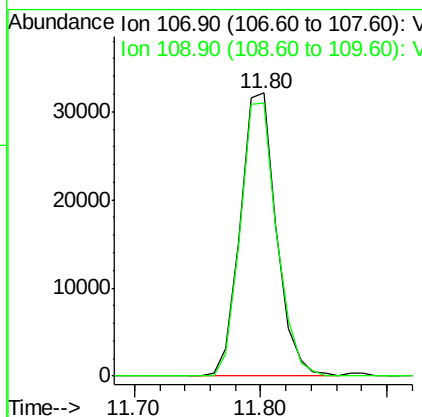
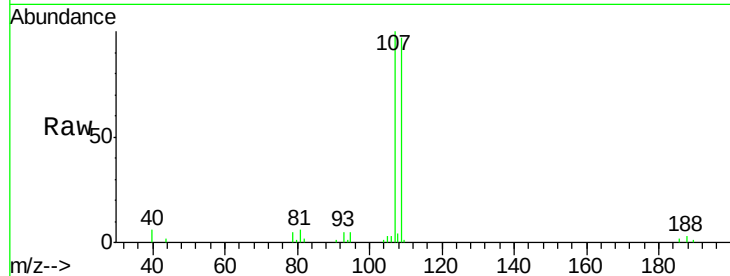




#61
 1,2-Dibromoethane
 Concen: 9.303 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

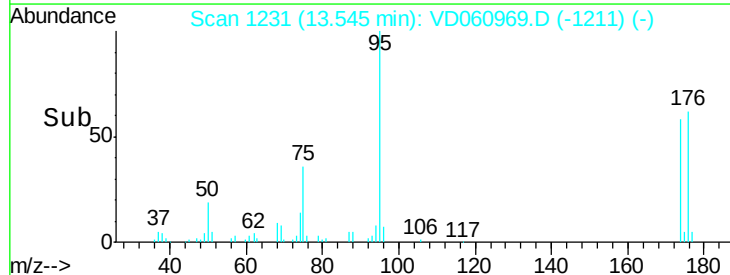
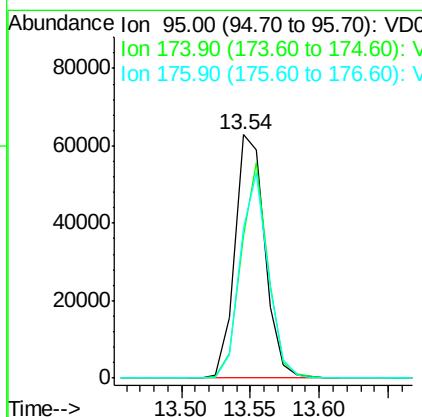
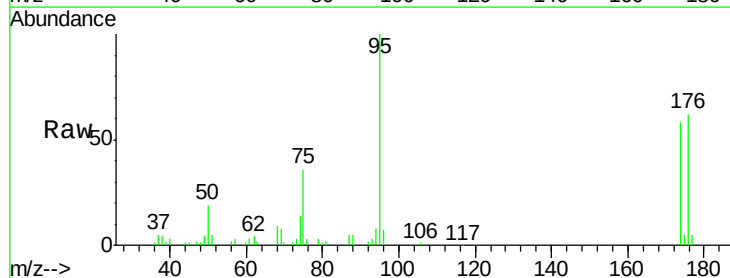
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

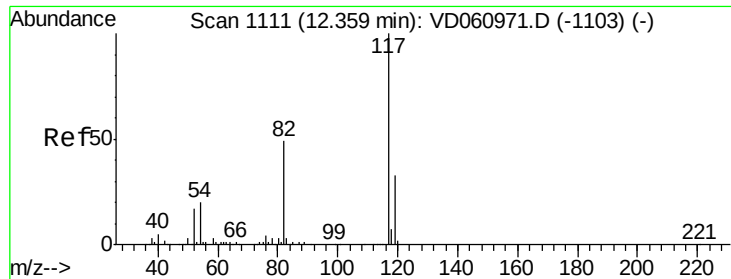
Tgt Ion: 107 Resp: 63476
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 9.303 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion: 95 Resp: 94940
 Ion Ratio Lower Upper
 95 100
 174 58.3 0.0 155.6
 176 61.9 0.0 153.8

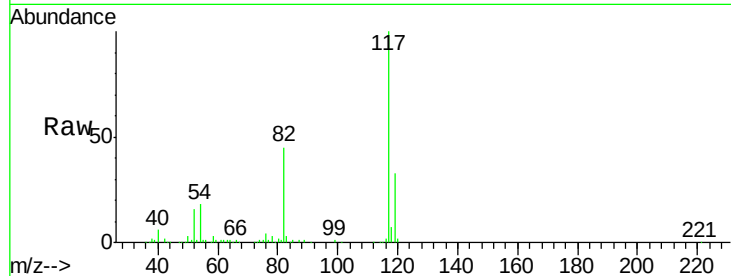




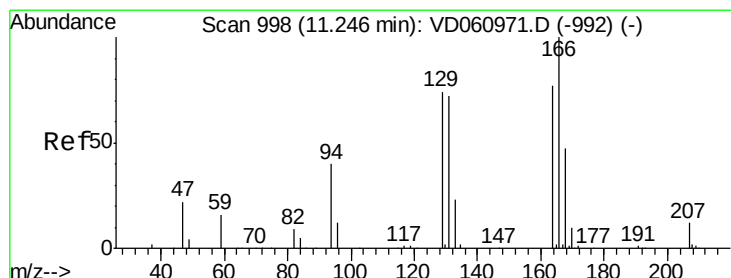
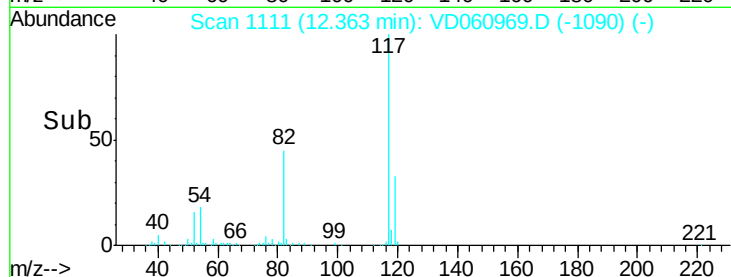
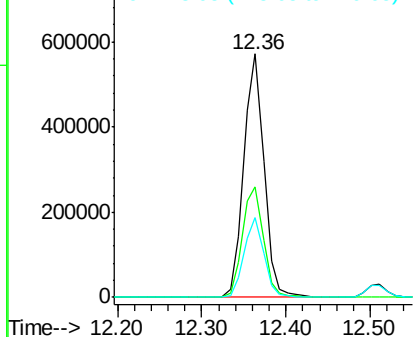
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 958504
Ion Ratio Lower Upper
117 100
82 45.3 38.9 58.3
119 32.6 26.6 39.8

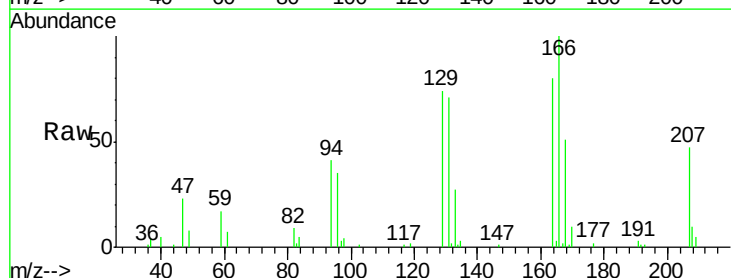


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

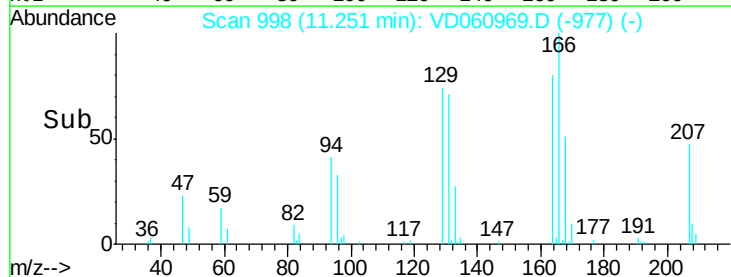
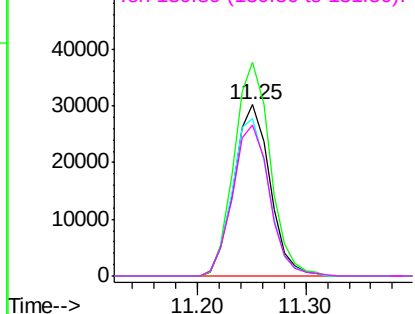


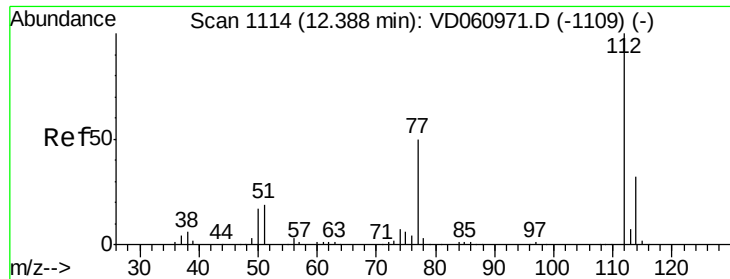
#64
Tetrachloroethene
Concen: 9.703 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:164 Resp: 70312
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.0
129 92.0 76.9 115.3
131 88.5 74.4 111.6



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

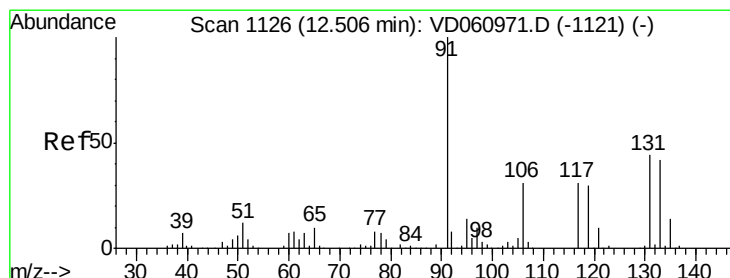
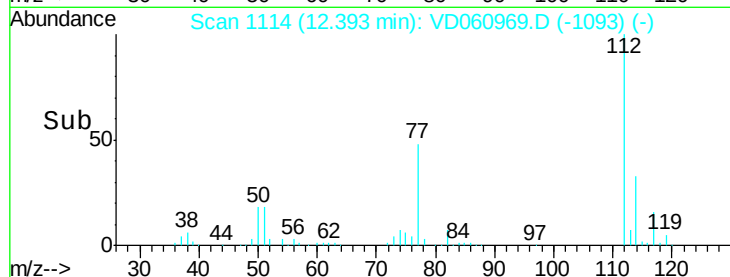
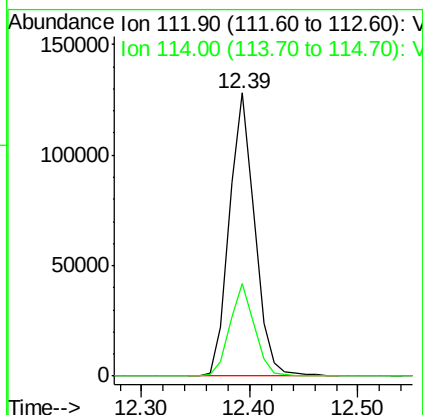
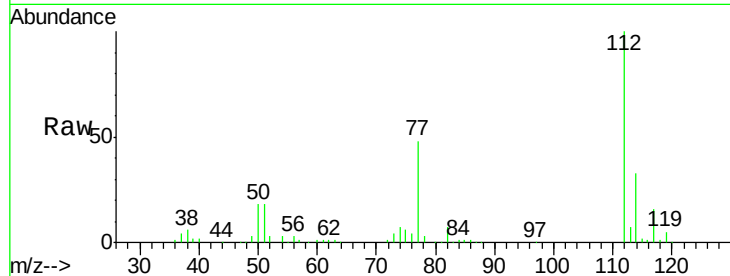




#65
Chlorobenzene
Concen: 9.963 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

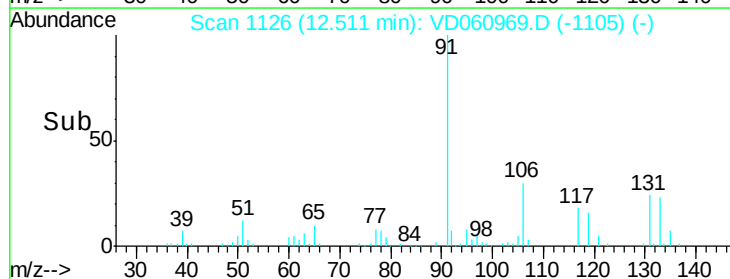
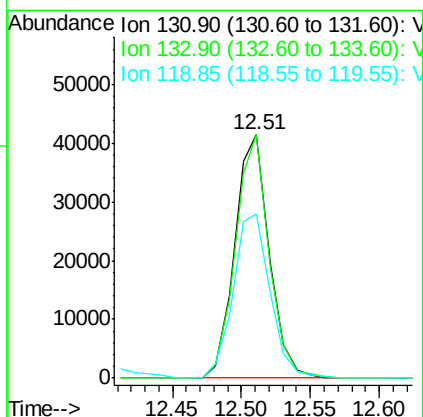
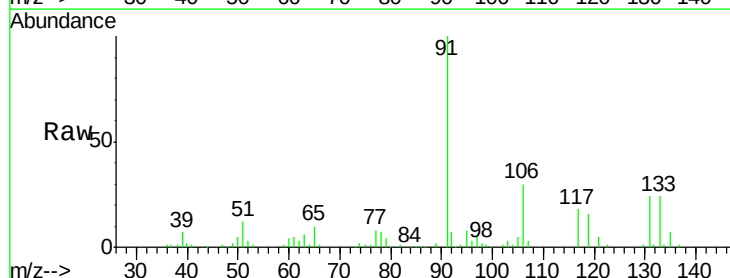
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

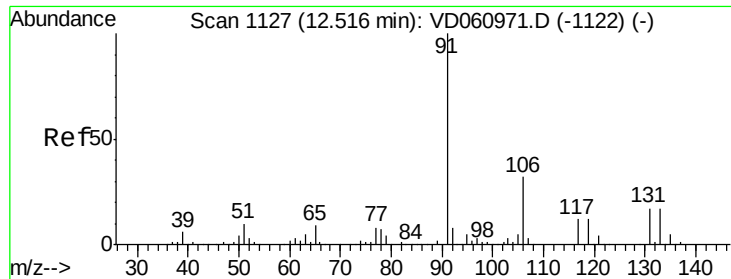
Tgt Ion:112 Resp: 209146
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 9.444 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:131 Resp: 71716
Ion Ratio Lower Upper
131 100
133 100.1 47.8 143.3
119 67.6 34.3 102.9

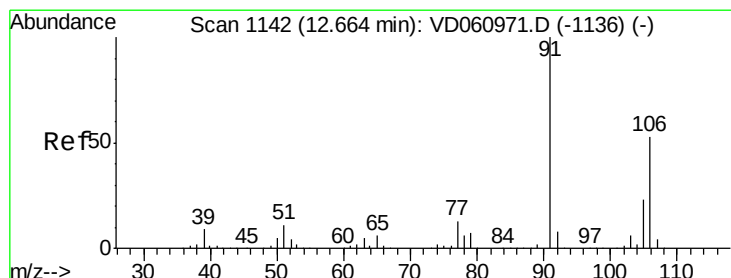
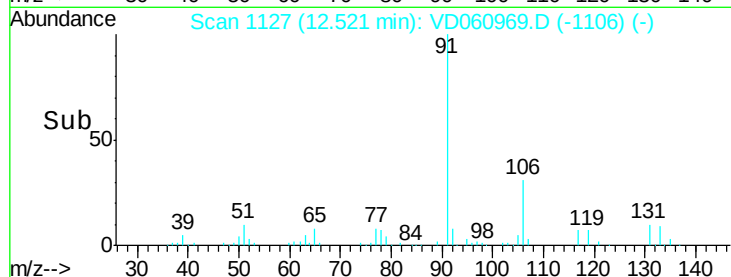
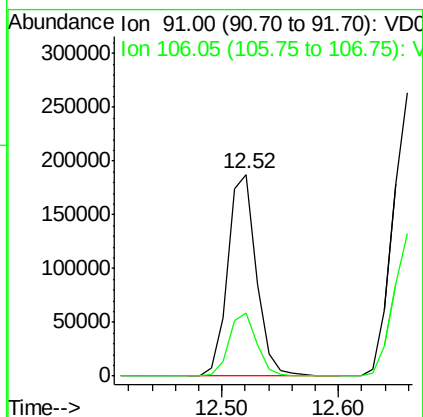
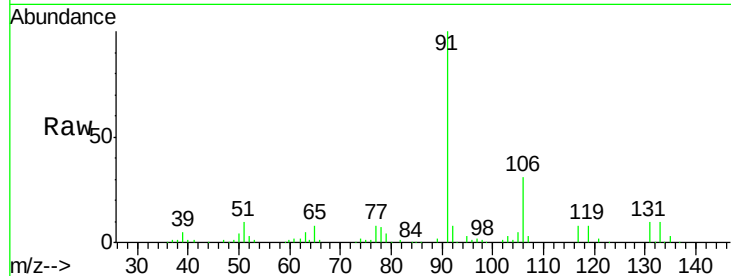




#67
Ethyl Benzene
Concen: 10.339 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

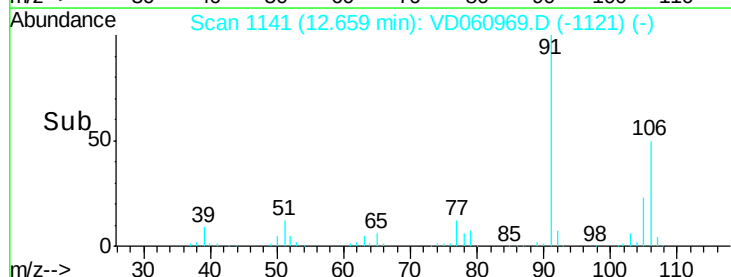
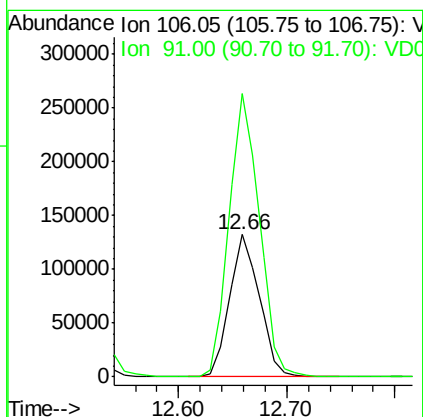
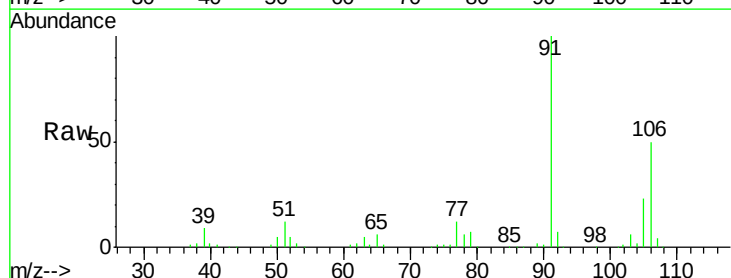
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

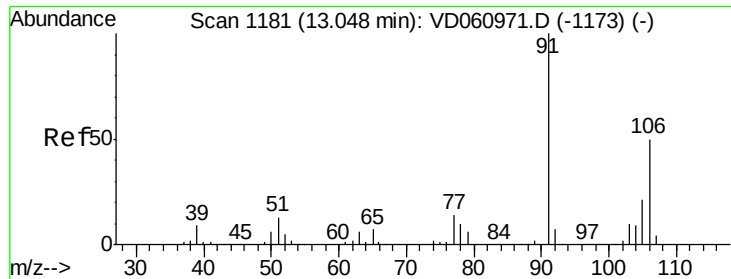
Tgt Ion: 91 Resp: 317521
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 20.691 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 106 Resp: 254831
Ion Ratio Lower Upper
106 100
91 198.7 152.0 228.0

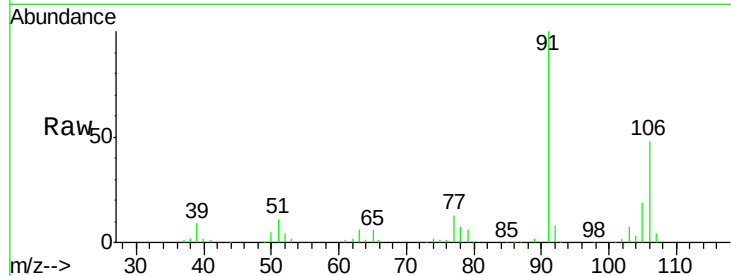




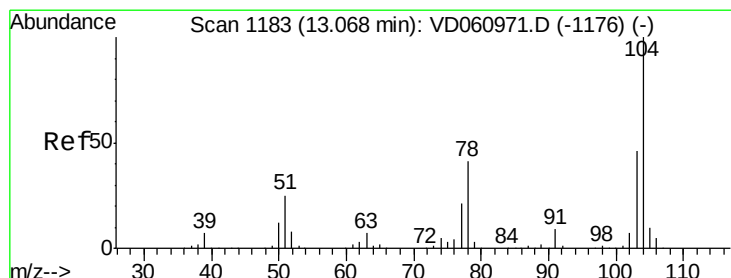
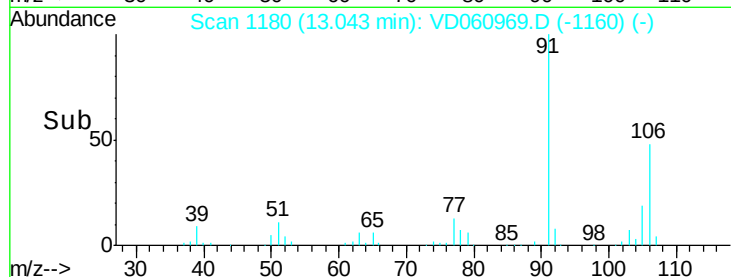
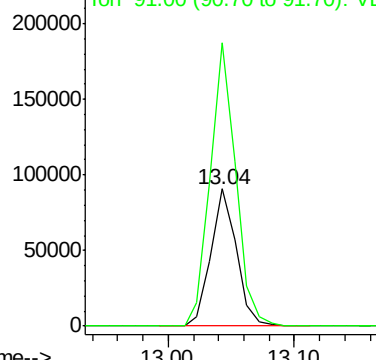
#69
o-Xylene
Concen: 11.124 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 127411
Ion Ratio Lower Upper
106 100
91 206.5 99.8 299.3

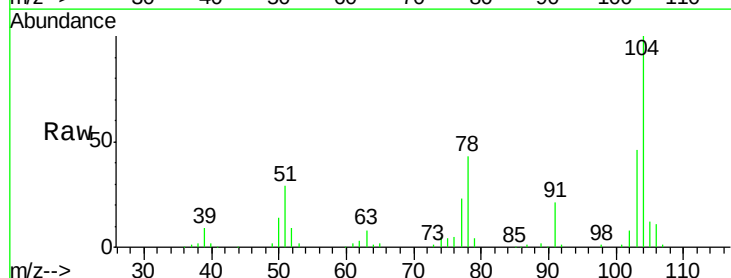


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

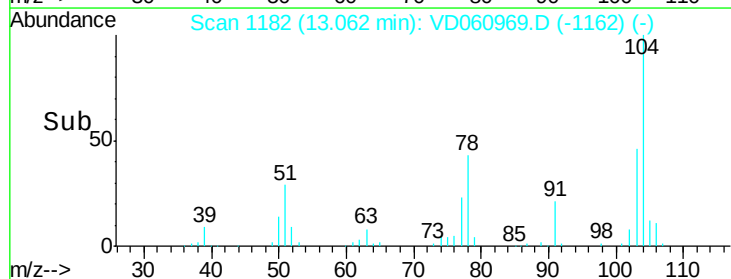
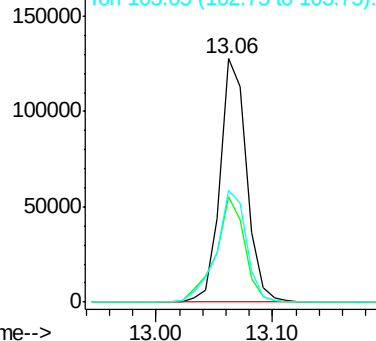


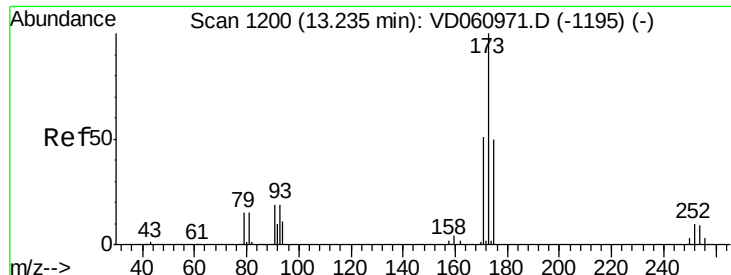
#70
Styrene
Concen: 10.522 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:104 Resp: 201154
Ion Ratio Lower Upper
104 100
78 43.1 33.0 49.4
103 46.1 37.1 55.7



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

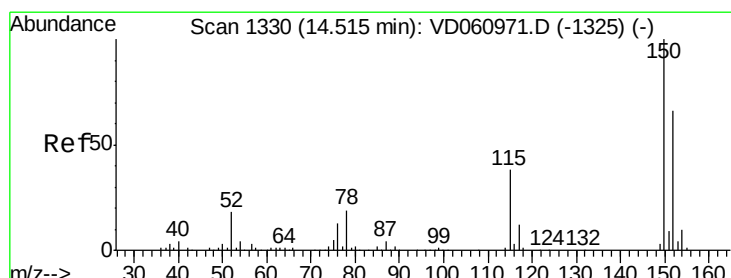
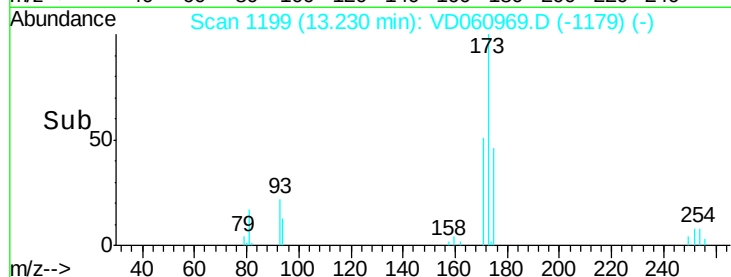
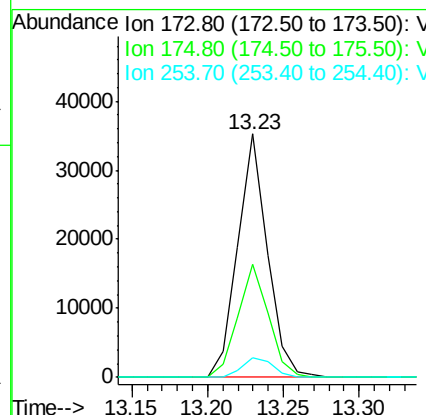
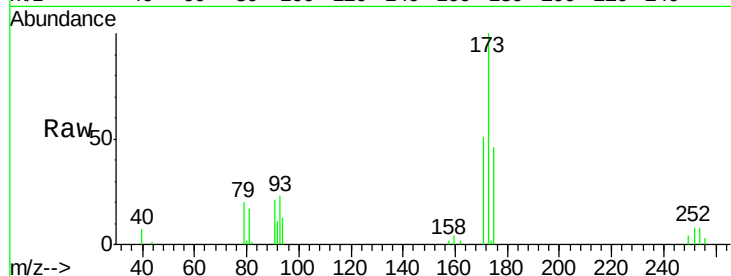




#71
Bromoform
Concen: 10.034 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

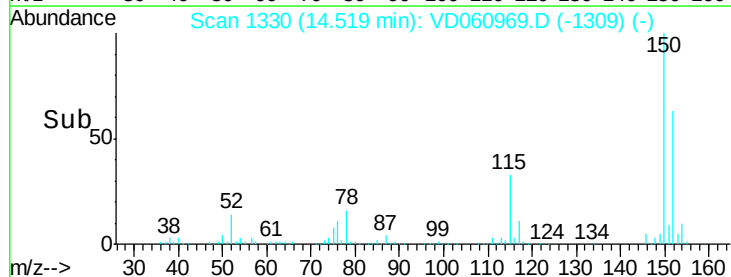
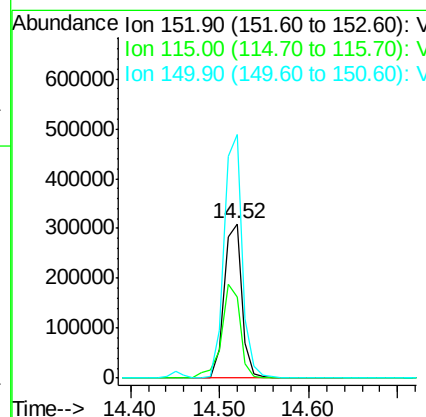
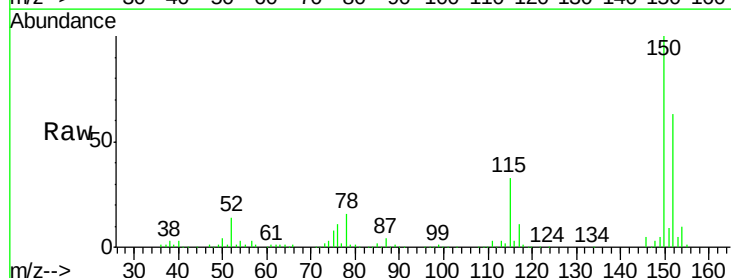
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

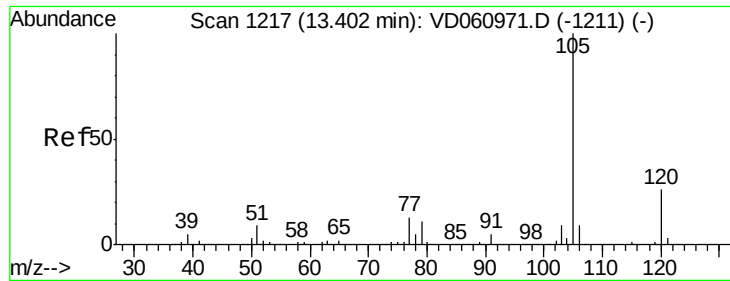
Tgt Ion:173 Resp: 47950
Ion Ratio Lower Upper
173 100
175 46.3 24.9 74.8
254 7.9 7.3 10.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:152 Resp: 438512
Ion Ratio Lower Upper
152 100
115 52.7 28.6 85.9
150 157.5 0.0 310.6





#73

Isopropylbenzene

Concen: 10.320 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

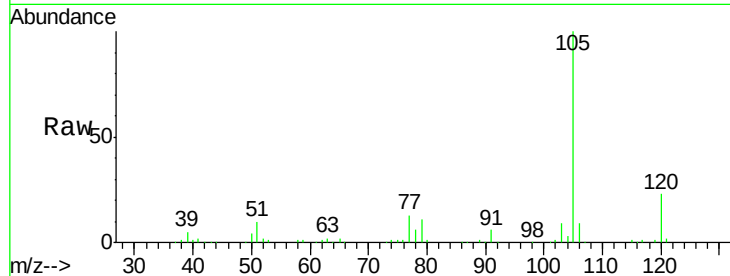
VSTDIC010

Tgt Ion: 105 Resp: 345866

Ion Ratio Lower Upper

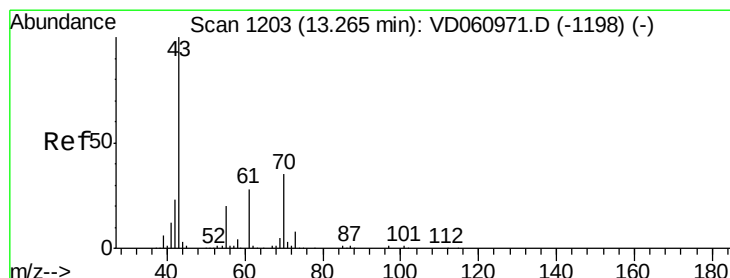
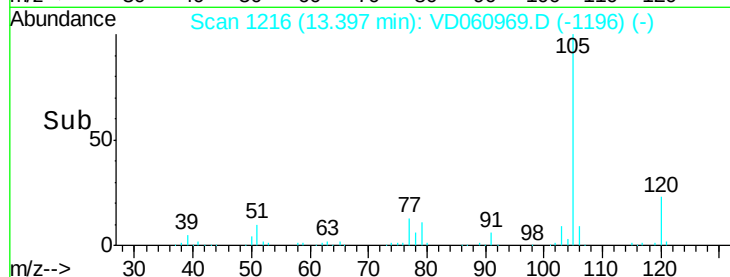
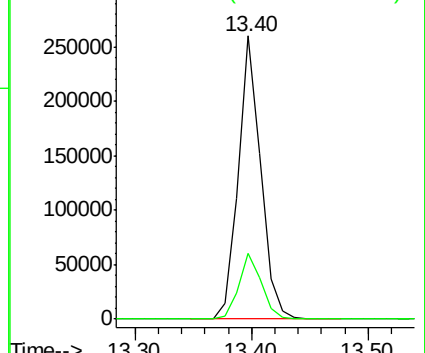
105 100

120 23.2 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.287 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion: 43 Resp: 94088

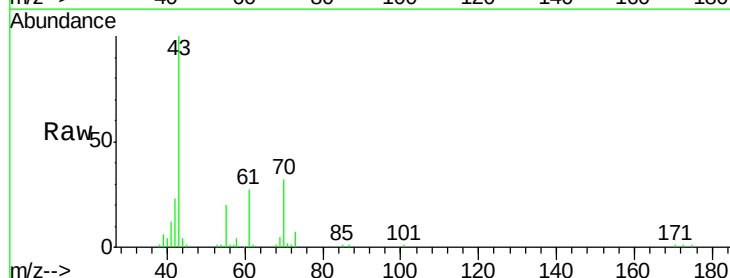
Ion Ratio Lower Upper

43 100

70 31.8 27.7 41.5

55 20.2 16.2 24.2

61 26.5 22.3 33.5

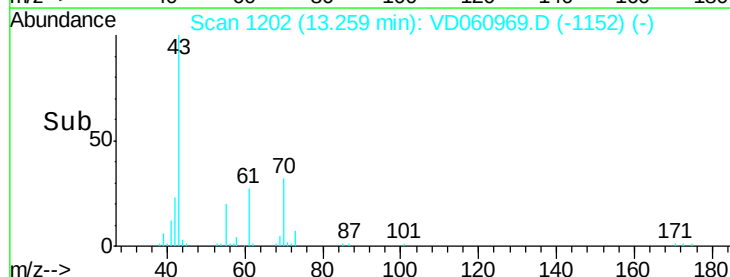
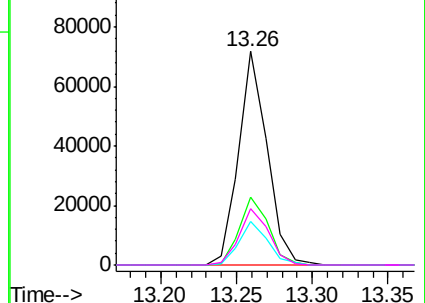


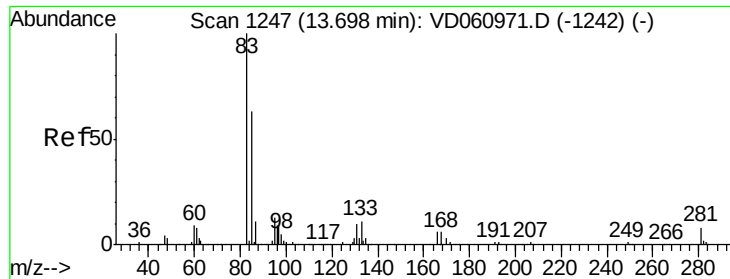
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 9.522 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

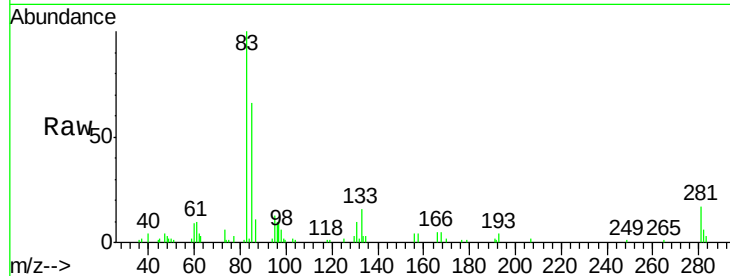
Tgt Ion: 83 Resp: 66228

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

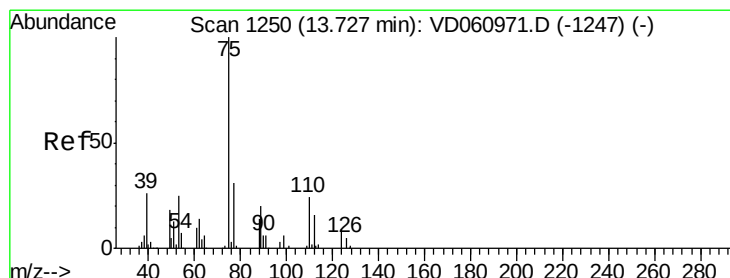
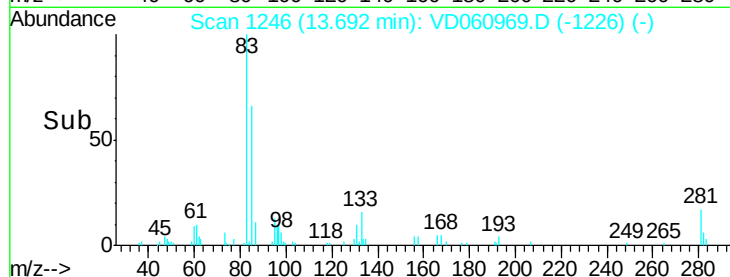
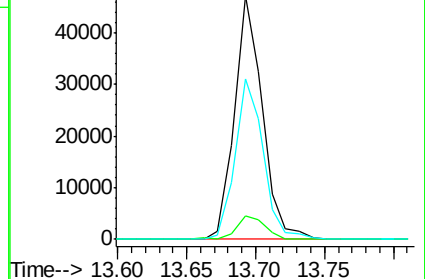
85 65.7 31.5 94.5



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: 9.845 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060969.D

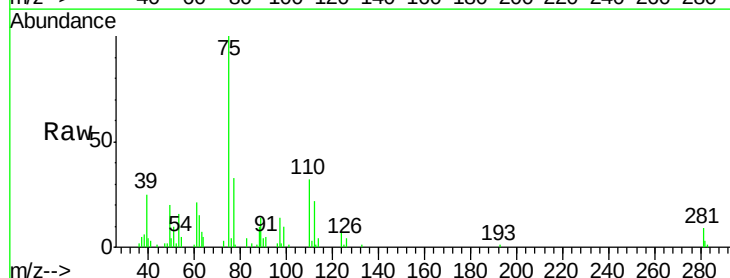
Acq: 7 Mar 2019 15:35

Tgt Ion: 75 Resp: 69589

Ion Ratio Lower Upper

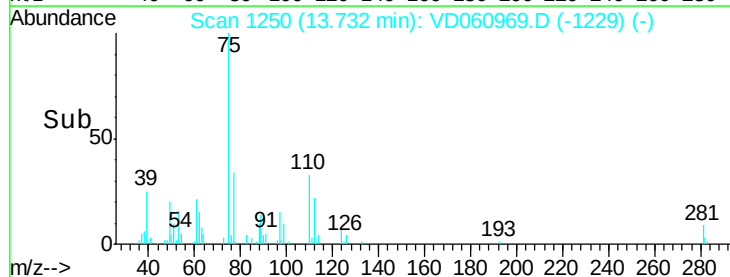
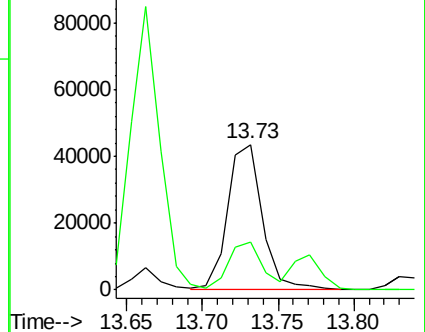
75 100

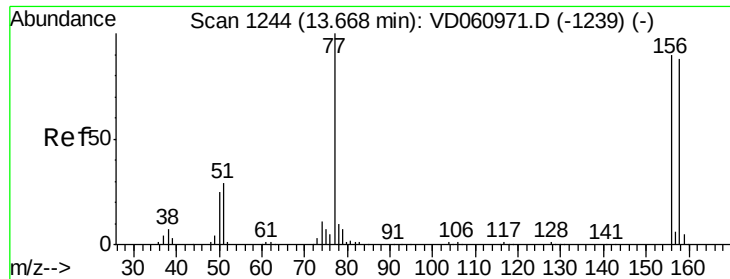
77 33.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.730 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

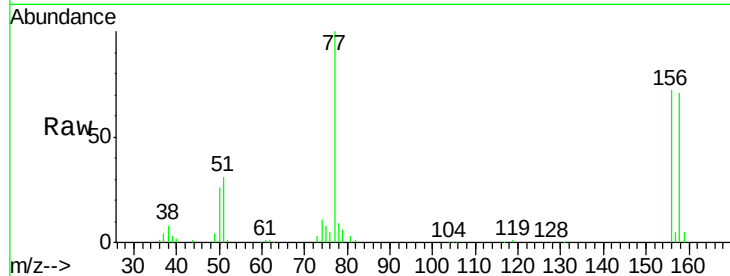
Tgt Ion:156 Resp: 85693

Ion Ratio Lower Upper

156 100

77 139.0 55.5 166.7

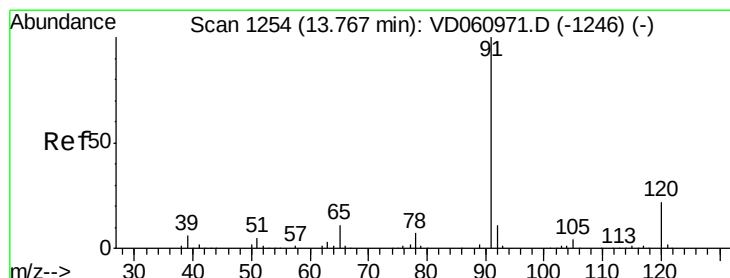
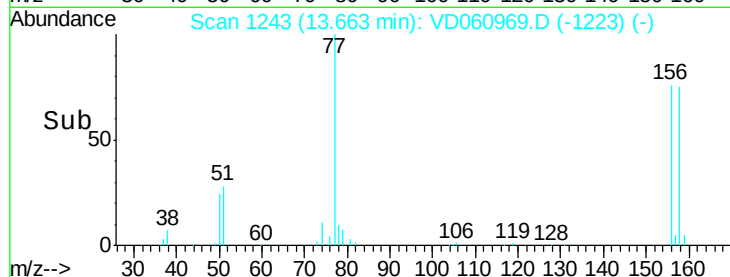
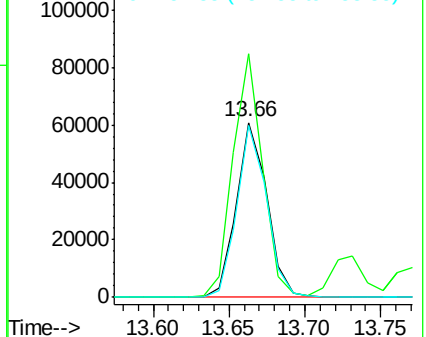
158 98.2 49.0 147.0



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: 10.436 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060969.D

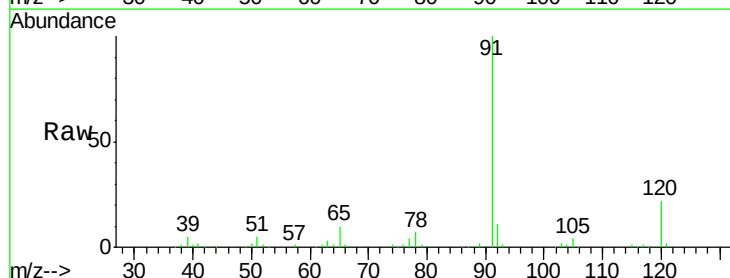
Acq: 7 Mar 2019 15:35

Tgt Ion: 91 Resp: 408289

Ion Ratio Lower Upper

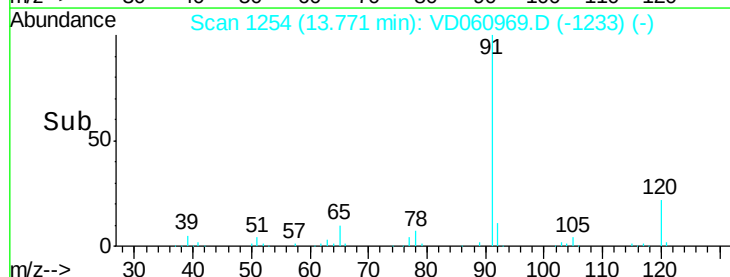
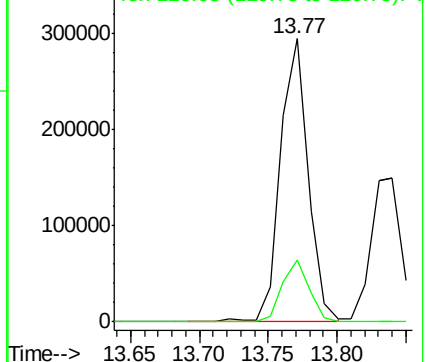
91 100

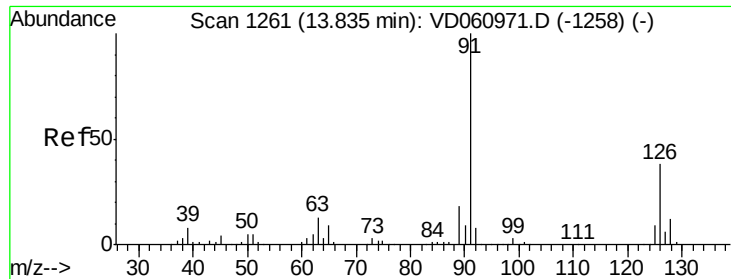
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.595 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

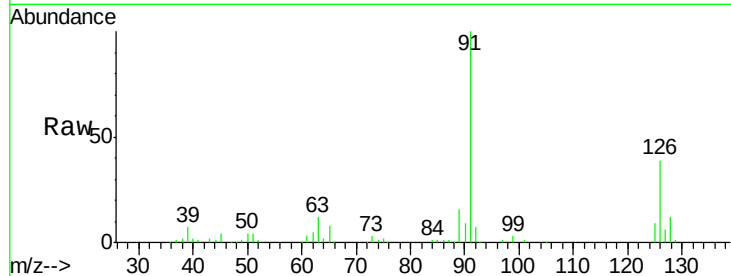
VSTDIC010

Tgt Ion: 91 Resp: 231999

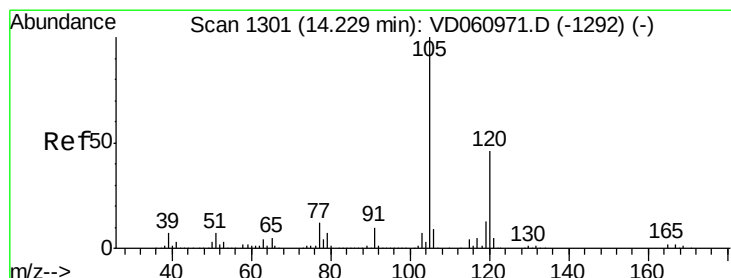
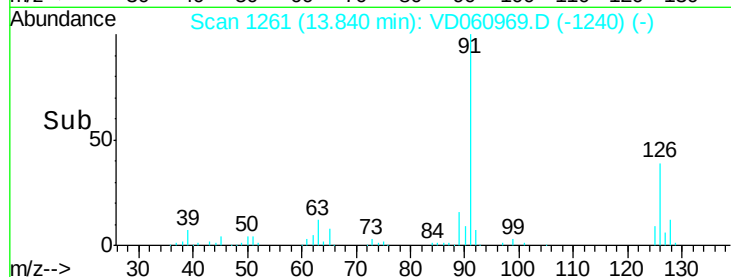
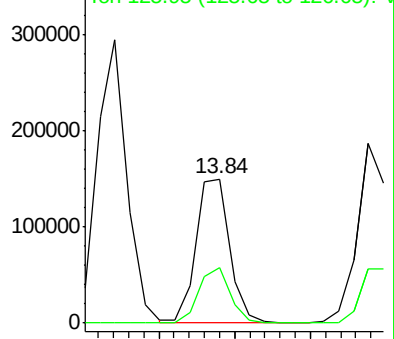
Ion Ratio Lower Upper

91 100

126 38.6 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.625 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060969.D

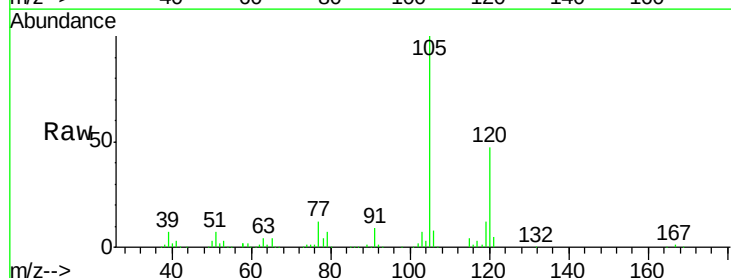
Acq: 7 Mar 2019 15:35

Tgt Ion: 105 Resp: 275135

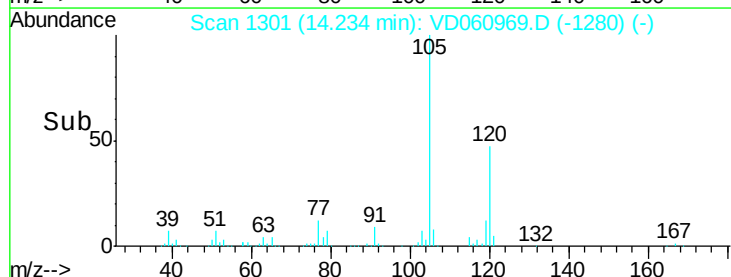
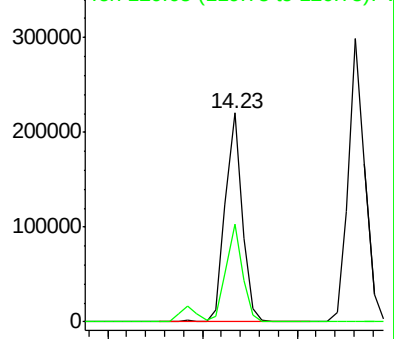
Ion Ratio Lower Upper

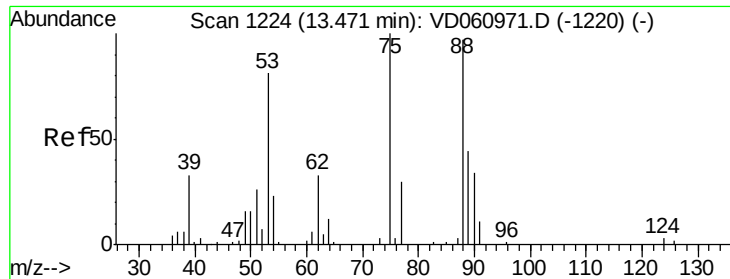
105 100

120 46.9 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

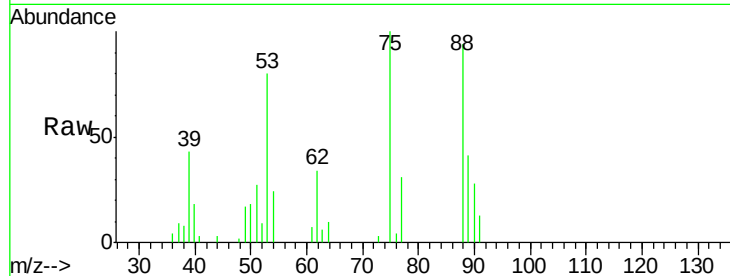




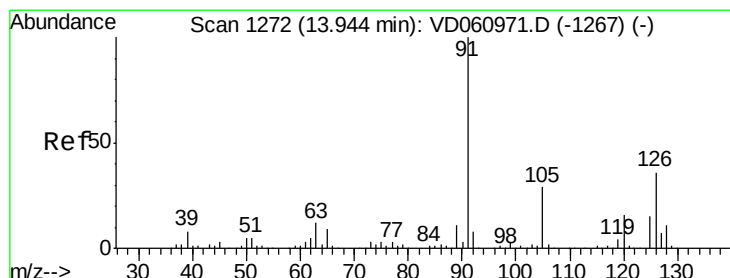
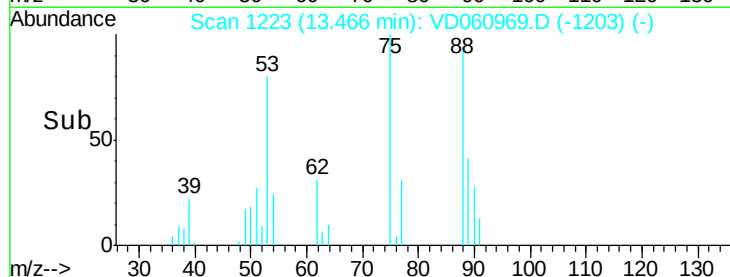
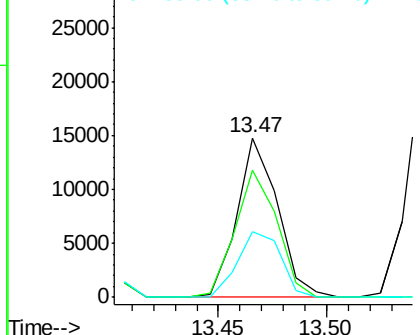
#81
trans-1,4-Dichloro-2-butene
Concen: 9.259 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 19293
Ion Ratio Lower Upper
75 100
53 79.7 64.4 96.6
89 41.4 34.8 52.2

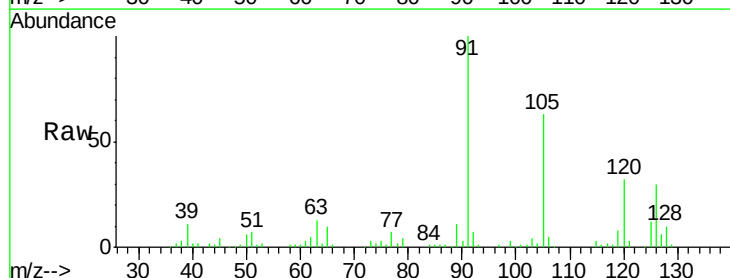


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

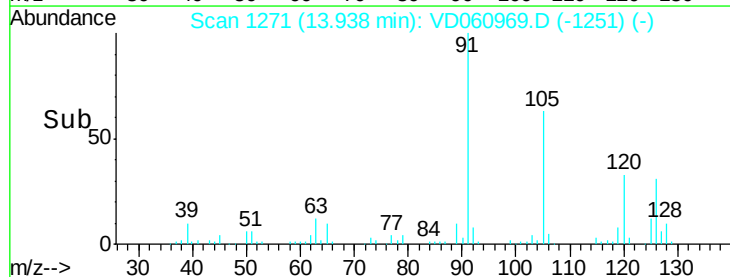
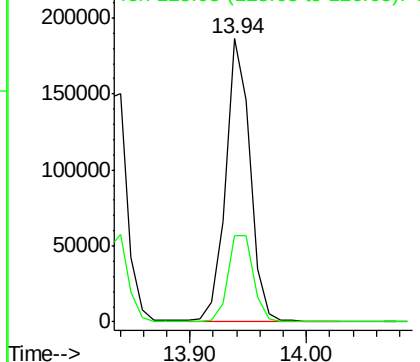


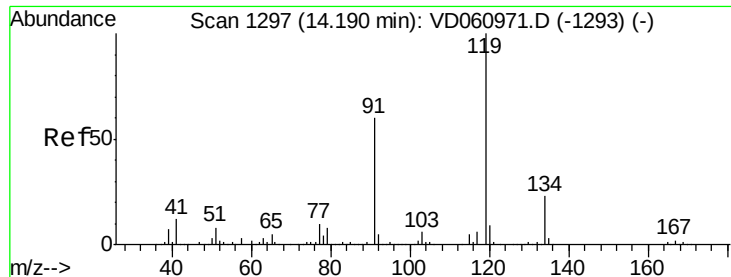
#82
4-Chlorotoluene
Concen: 10.966 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion: 91 Resp: 269685
Ion Ratio Lower Upper
91 100
126 30.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

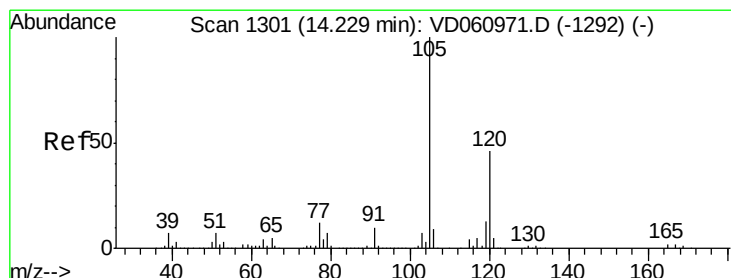
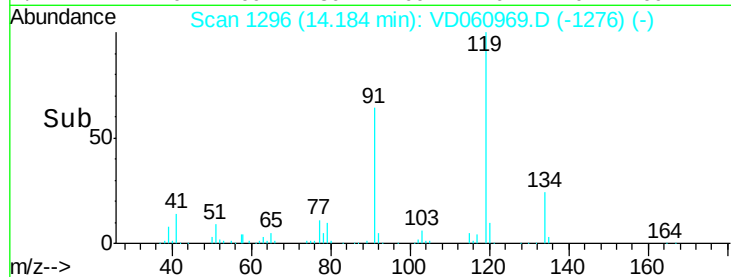
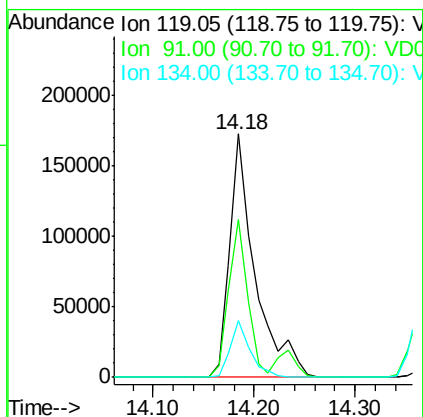
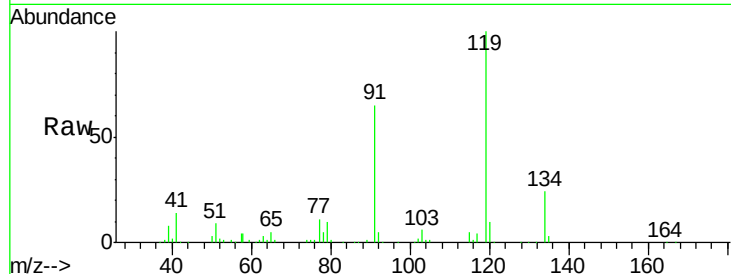




#83
 tert-Butylbenzene
 Concen: 10.502 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

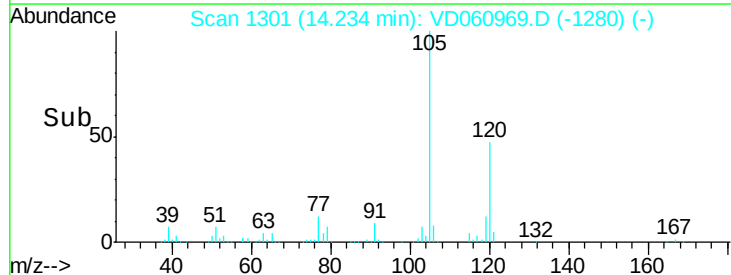
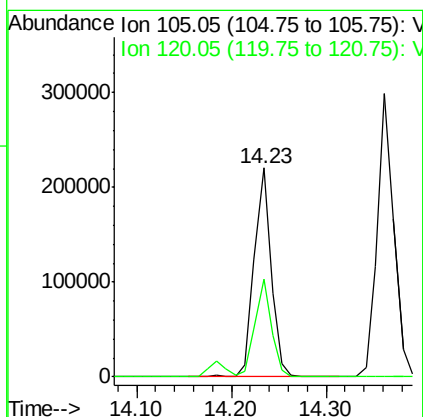
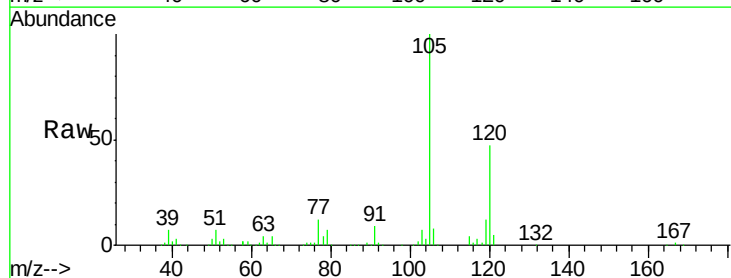
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

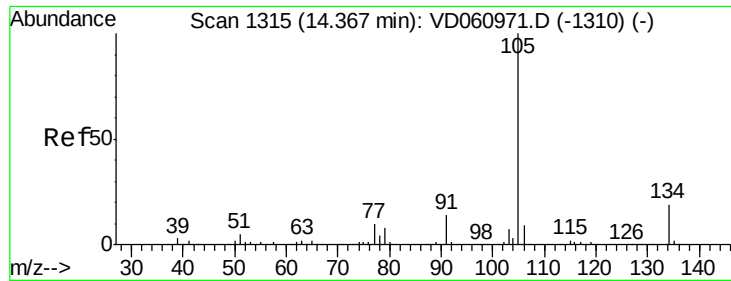
Tgt Ion:119 Resp: 302757
 Ion Ratio Lower Upper
 119 100
 91 64.8 30.1 90.3
 134 23.5 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 10.625 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:105 Resp: 275135
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.5

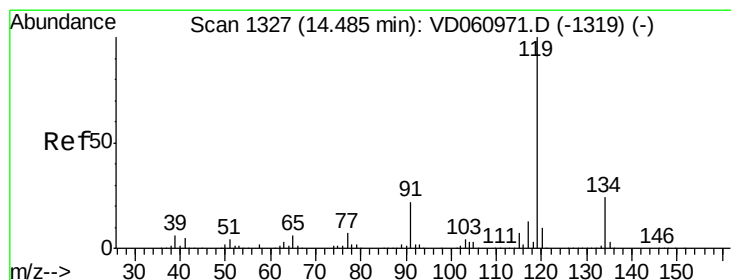
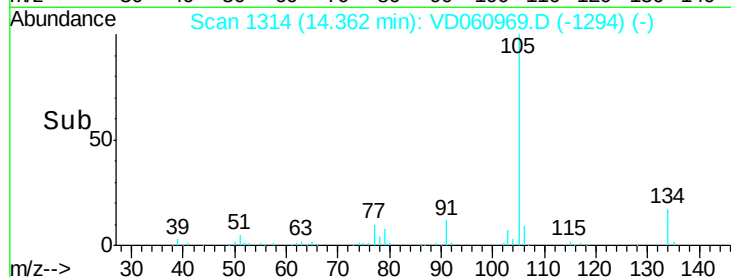
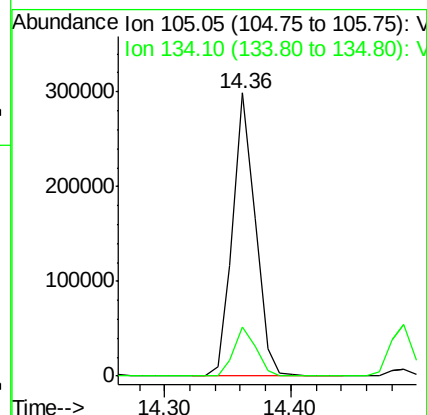
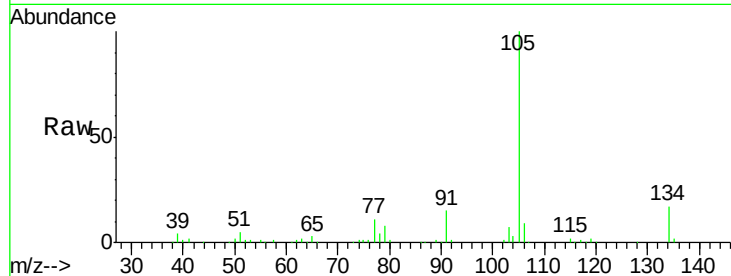




#85
 sec-Butylbenzene
 Concen: 11.017 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

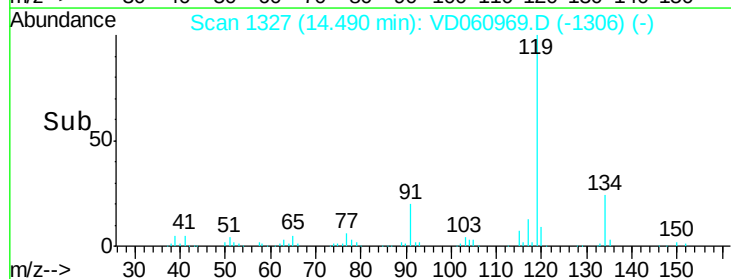
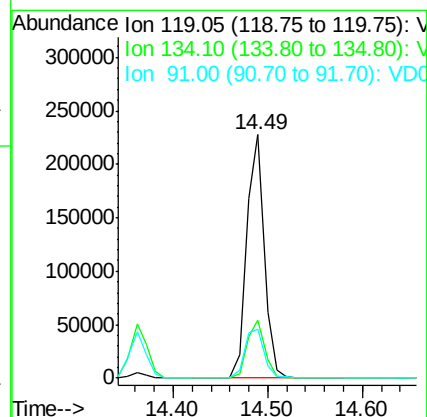
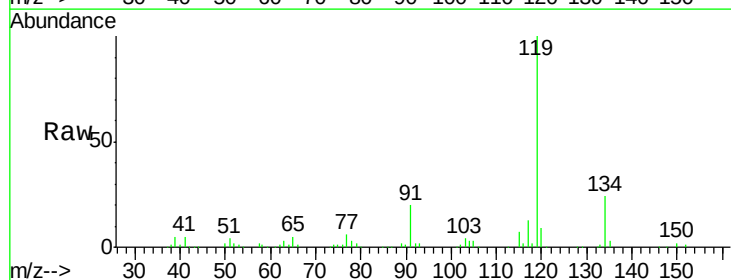
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

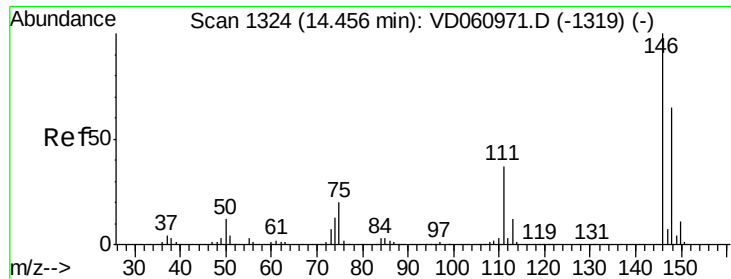
Tgt Ion:105 Resp: 370616
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 10.458 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:119 Resp: 289825
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.0 36.1
 91 20.3 11.2 33.6

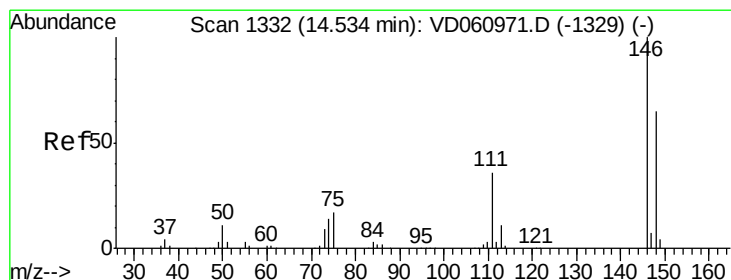
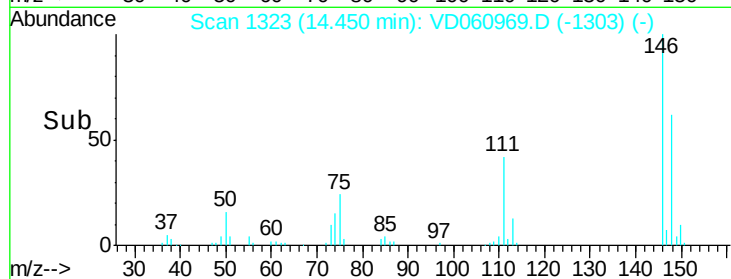
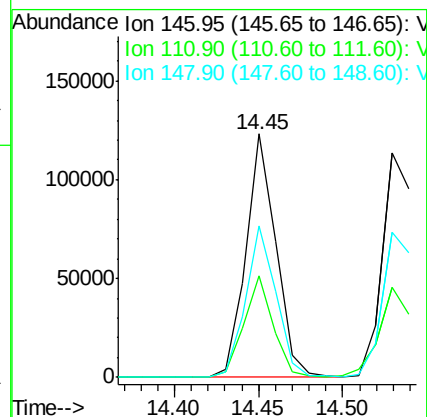
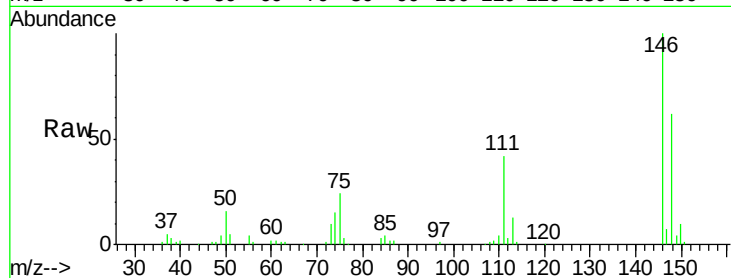




#87
 1,3-Dichlorobenzene
 Concen: 10.170 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

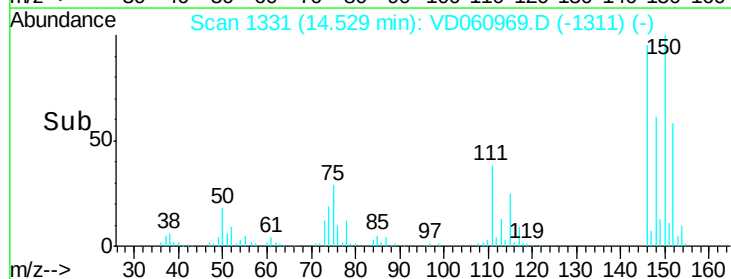
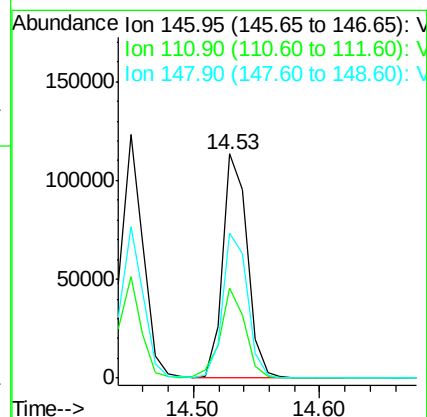
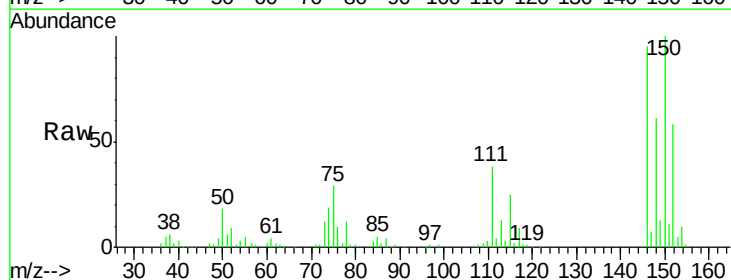
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

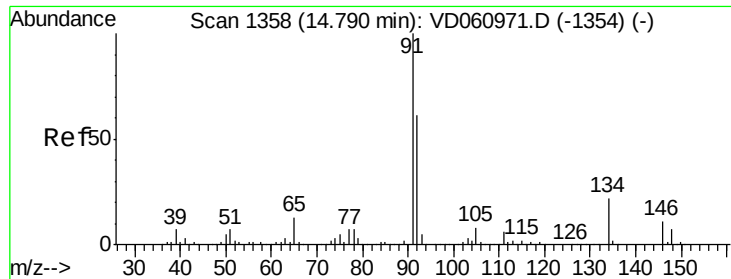
Tgt Ion:146 Resp: 152245
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.4 55.4
 148 62.3 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 10.384 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:146 Resp: 153833
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.4 55.2
 148 64.8 32.5 97.5





#89

n-Butylbenzene

Concen: 11.381 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

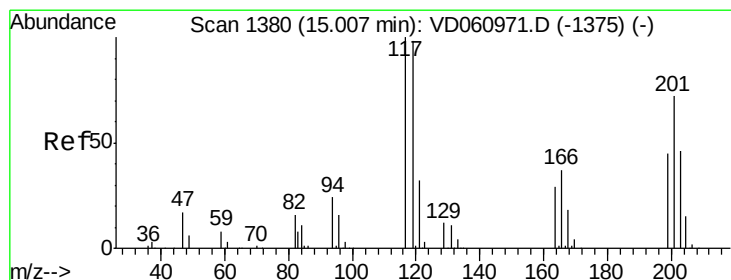
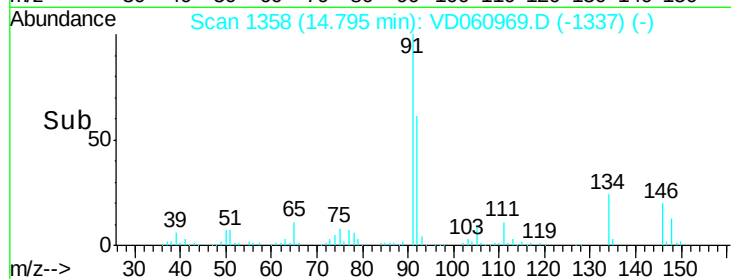
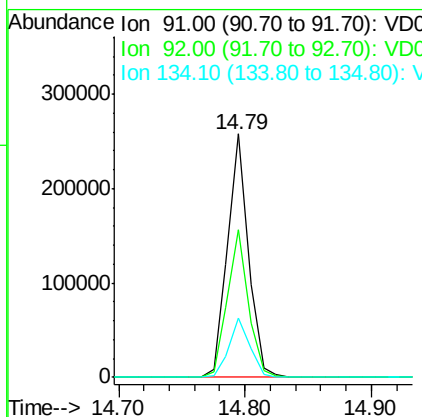
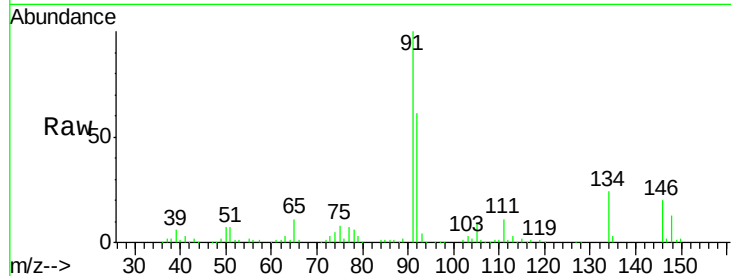
Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	295187
Ion	Ratio	Lower	Upper
91	100		
92	60.8	30.6	91.8
134	24.3	11.0	33.0



#90

Hexachloroethane

Concen: 9.737 ug/l

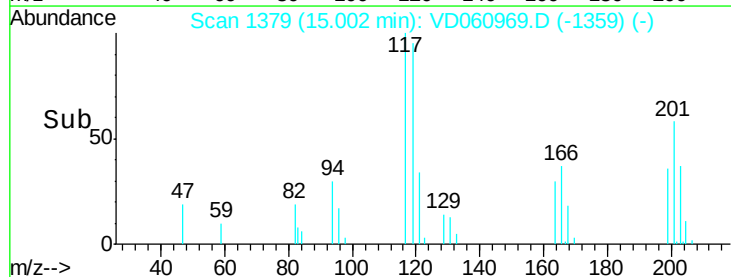
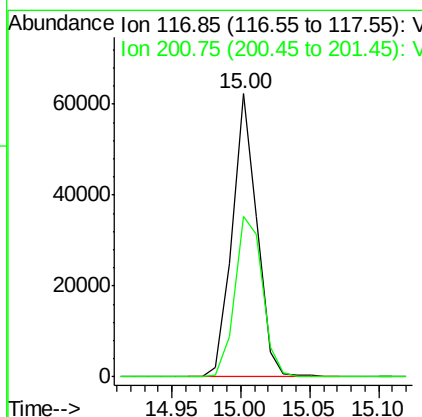
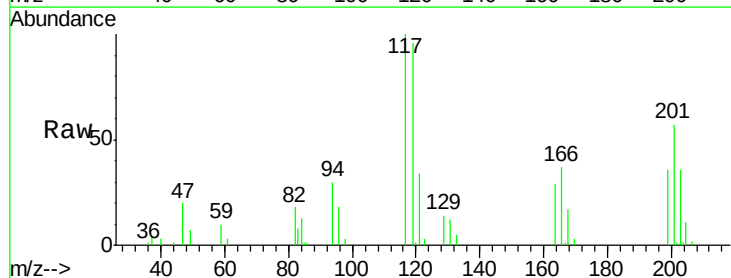
RT: 15.00 min Scan# 1379

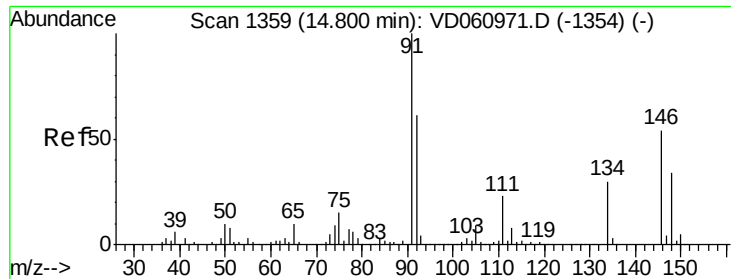
Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Tgt Ion:	117	Resp:	77805
Ion	Ratio	Lower	Upper
117	100		
201	56.7	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 10.524 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

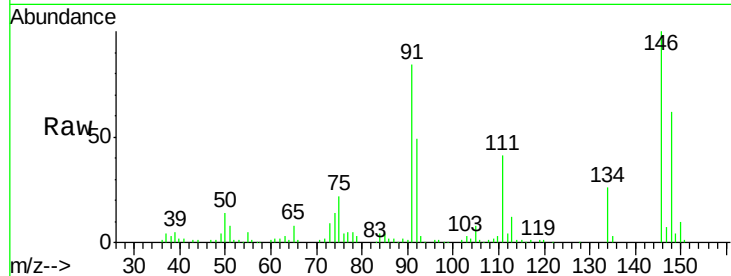
Tgt Ion:146 Resp: 137422

Ion Ratio Lower Upper

146 100

111 40.9 21.5 64.5

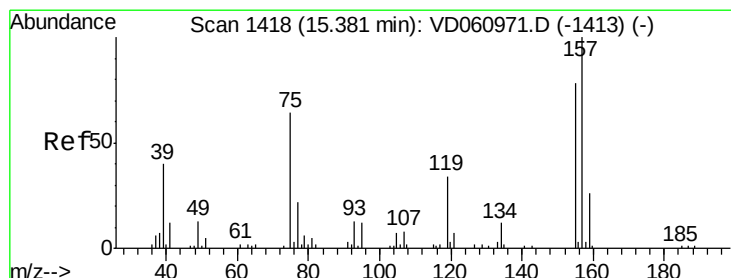
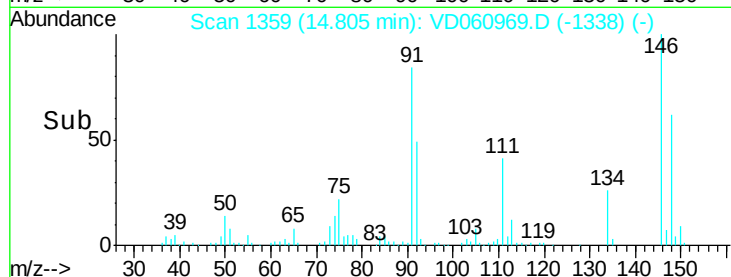
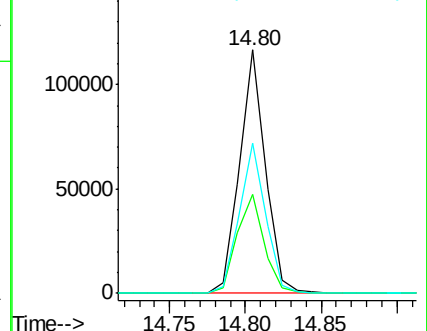
148 61.7 30.9 92.8



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: 9.454 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD060969.D

Acq: 7 Mar 2019 15:35

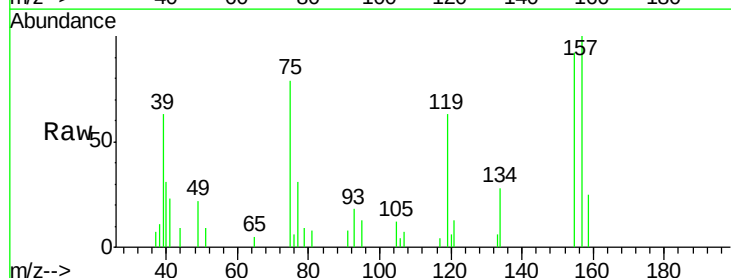
Tgt Ion: 75 Resp: 7724

Ion Ratio Lower Upper

75 100

155 116.4 61.2 183.5

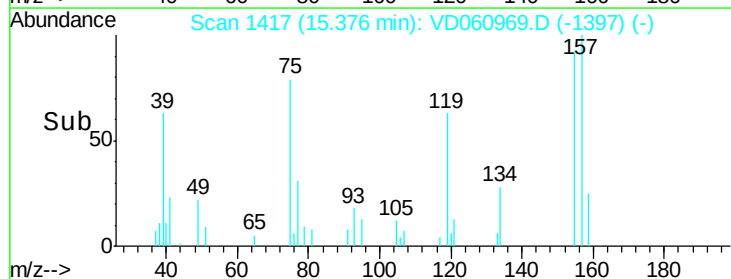
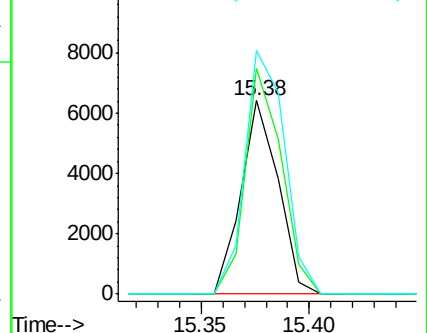
157 125.8 78.3 234.8

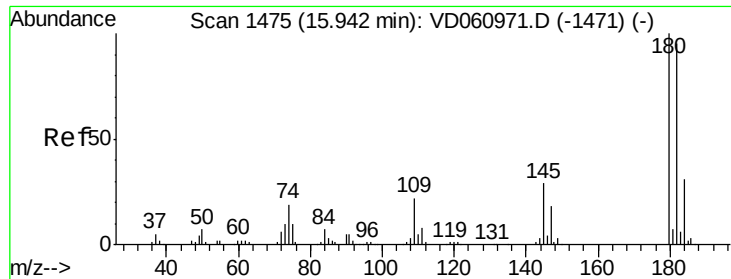


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

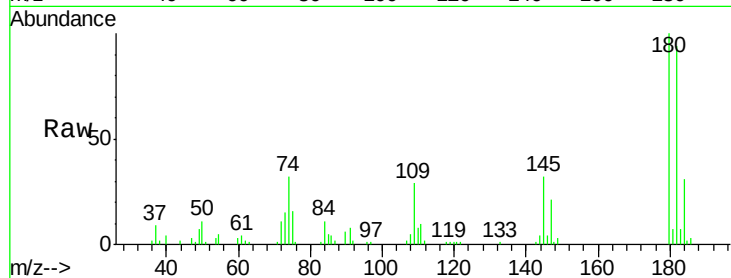




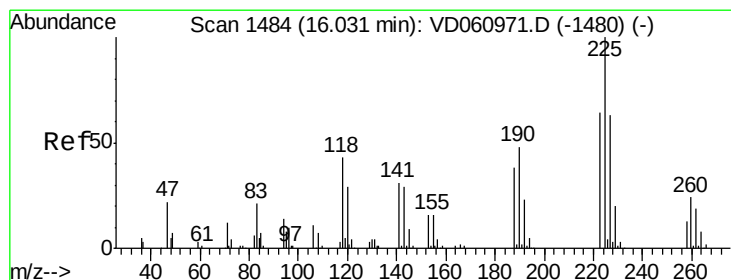
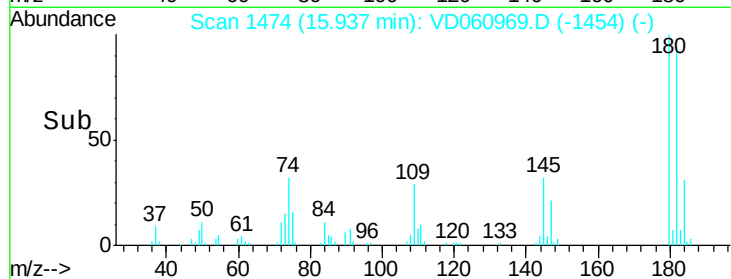
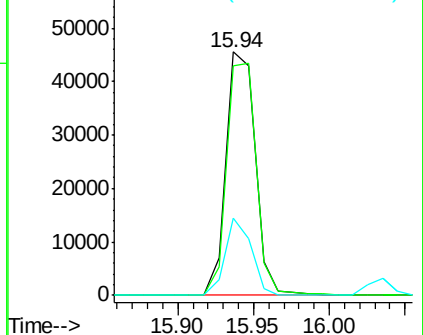
#93
 1,2,4-Trichlorobenzene
 Concen: 8.282 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 60997
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 142.0
 145 31.8 14.4 43.0

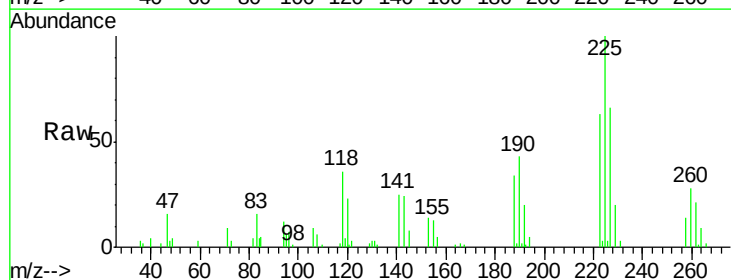


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

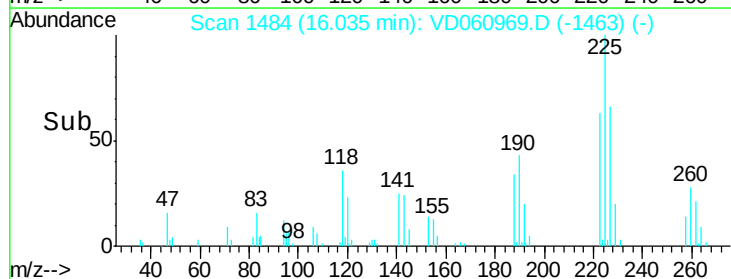
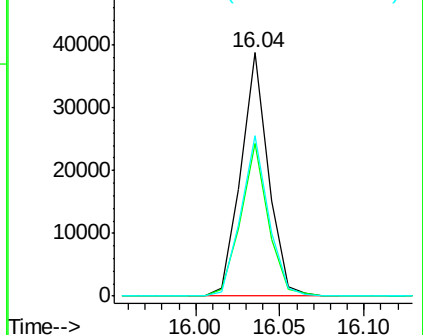


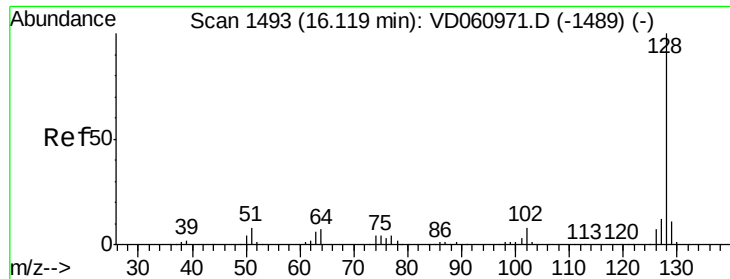
#94
 Hexachlorobutadiene
 Concen: 9.303 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060969.D
 Acq: 7 Mar 2019 15:35

Tgt Ion:225 Resp: 43793
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.3
 227 66.1 31.4 94.0



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

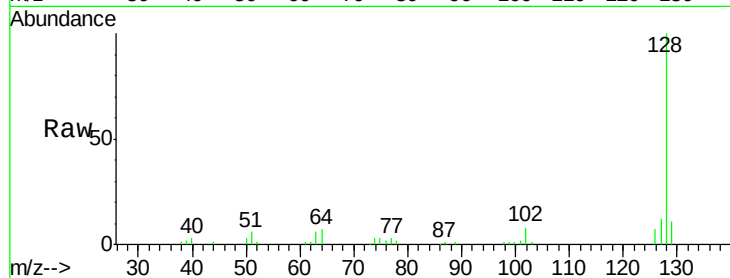




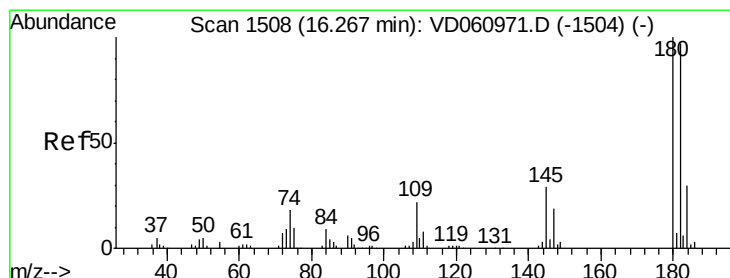
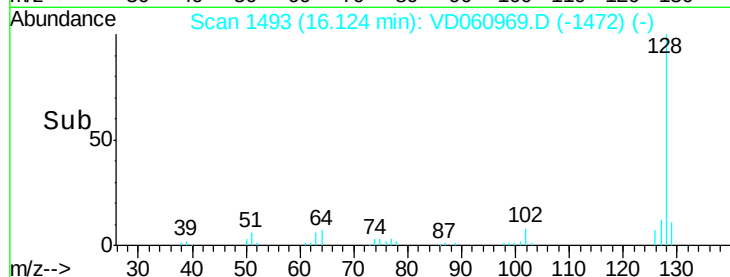
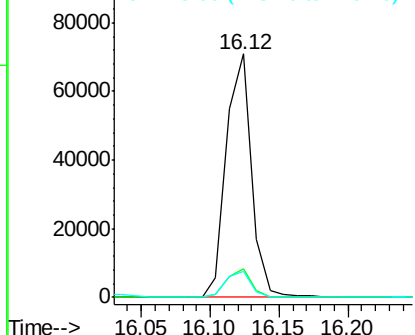
#95
Naphthalene
Concen: 7.889 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 89770
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.7 8.5 12.7

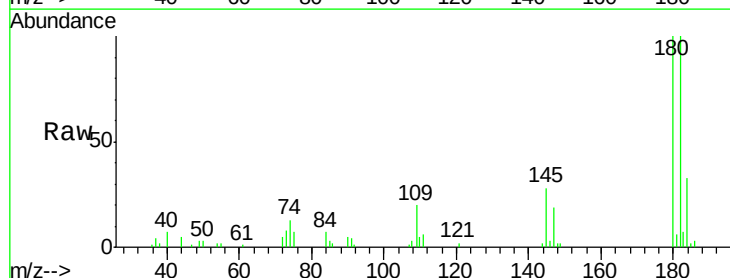


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 7.396 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060969.D
Acq: 7 Mar 2019 15:35

Tgt Ion:180 Resp: 29548
Ion Ratio Lower Upper
180 100
182 100.4 48.6 145.8
145 27.9 14.3 42.9



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

