

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060970.D
 Acq On : 7 Mar 2019 16:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 08 01:14:54 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	730435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1203906	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1057605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	438574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	123687	20.50	ug/l	0.00
Spiked Amount			Recovery	=	41.00%	
35) Dibromofluoromethane	6.92	113	174922	18.23	ug/l	0.00
Spiked Amount			Recovery	=	36.46%	
50) Toluene-d8	10.40	98	468133	19.40	ug/l	0.00
Spiked Amount			Recovery	=	38.80%	
62) 4-Bromofluorobenzene	13.55	95	176727	19.63	ug/l	0.00
Spiked Amount			Recovery	=	39.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	162188	20.257	ug/l	96
3) Chloromethane	1.76	50	137516	20.763	ug/l	98
4) Vinyl Chloride	1.86	62	125463	20.844	ug/l	99
5) Bromomethane	2.16	94	20302	19.357	ug/l	83
6) Chloroethane	2.26	64	27369	18.252	ug/l #	83
7) Trichlorofluoromethane	2.53	101	153702	20.667	ug/l	95
8) Diethyl Ether	2.88	74	57154	18.156	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	202483	21.023	ug/l	99
10) Methyl Iodide	3.32	142	218741	19.183	ug/l	98
11) Tert butyl alcohol	4.06	59	36670	82.744	ug/l	100
12) 1,1-Dichloroethene	3.13	96	161888	19.819	ug/l	99
13) Acrolein	3.04	56	60120	99.032	ug/l	94
14) Allyl chloride	3.62	41	238456	17.646	ug/l	96
15) Acrylonitrile	4.20	53	145457	87.022	ug/l	96
16) Acetone	3.23	43	177480	90.009	ug/l	99
17) Carbon Disulfide	3.39	76	530372	18.281	ug/l	99
18) Methyl Acetate	3.64	43	66755	16.481	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	273010	18.790	ug/l	96
20) Methylene Chloride	3.82	84	179443	16.313	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	170883	19.034	ug/l	97
22) Diisopropyl ether	5.13	45	514442	18.076	ug/l	96
23) Vinyl Acetate	5.05	43	1342219	89.996	ug/l	97
24) 1,1-Dichloroethane	4.98	63	284040	18.560	ug/l	98
25) 2-Butanone	6.06	43	198443	81.844	ug/l	98
26) 2,2-Dichloropropane	6.02	77	219415	19.293	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	178358	17.636	ug/l	98
28) Bromochloromethane	6.44	49	107550	16.911	ug/l	94
29) Tetrahydrofuran	6.46	42	108637	85.661	ug/l	99
30) Chloroform	6.66	83	294349	19.877	ug/l	97
31) Cyclohexane	6.96	56	207782	15.999	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	253745	19.922	ug/l	98
36) 1,1-Dichloropropene	7.14	75	232324	21.046	ug/l	98
37) Ethyl Acetate	6.18	43	103792	18.403	ug/l	97
38) Carbon Tetrachloride	7.11	117	255281	21.337	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	221679	18.426	ug/l	97
40) Benzene	7.45	78	568369	19.953	ug/l	98
41) Methacrylonitrile	6.45	41	119821	29.639	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	162027	20.095	ug/l	97
43) Isopropyl Acetate	9.23	43	150942	19.232	ug/l #	97
44) Trichloroethene	8.53	130	184580	19.097	ug/l	98
45) 1,2-Dichloropropane	8.94	63	148632	19.857	ug/l	99
46) Dibromomethane	9.06	93	89783	18.749	ug/l	96
47) Bromodichloromethane	9.37	83	202599	19.062	ug/l	95
48) Methyl methacrylate	9.12	41	78089	17.598	ug/l	96
49) 1,4-Dioxane	9.08	88	14827	325.569	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	456200	95.196	ug/l	98
52) Toluene	10.50	92	322905	17.812	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	187791	19.447	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	238029	20.097	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	110854	18.494	ug/l	96
56) Ethyl methacrylate	11.03	69	114529	18.203	ug/l	96
57) 1,3-Dichloropropane	11.40	76	174186	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	293059	86.992	ug/l	100
59) 2-Hexanone	11.53	43	344228	102.365	ug/l	99
60) Dibromochloromethane	11.67	129	170362	19.672	ug/l	99
61) 1,2-Dibromoethane	11.80	107	129815	18.431	ug/l	98
64) Tetrachloroethene	11.25	164	144061	18.017	ug/l	96
65) Chlorobenzene	12.39	112	432103	18.656	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	160545	19.161	ug/l	98
67) Ethyl Benzene	12.52	91	675871	19.945	ug/l	99
68) m/p-Xylenes	12.66	106	496347	36.524	ug/l	93
69) o-Xylene	13.04	106	258181	20.429	ug/l	91
70) Styrene	13.06	104	427534	20.268	ug/l	99
71) Bromoform	13.23	173	97777	18.543	ug/l	96
73) Isopropylbenzene	13.40	105	695924	20.762	ug/l	98
74) N-amyl acetate	13.26	43	190678	18.818	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	130176	18.714	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	130029	18.393	ug/l	99
77) Bromobenzene	13.66	156	165252	18.760	ug/l	91
78) n-propylbenzene	13.77	91	772713	19.748	ug/l	99
79) 2-Chlorotoluene	13.83	91	460935	21.047	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	534082	20.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	41447	19.888	ug/l	95
82) 4-Chlorotoluene	13.94	91	524484	21.324	ug/l	94
83) tert-Butylbenzene	14.18	119	639498	22.181	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	534082	20.622	ug/l	100
85) sec-Butylbenzene	14.36	105	725598	21.567	ug/l	96
86) p-Isopropyltoluene	14.49	119	555771	20.051	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	302764	20.221	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	313305	21.146	ug/l	97
89) n-Butylbenzene	14.80	91	521630	20.108	ug/l	97
90) Hexachloroethane	15.00	117	151225	18.923	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	257120	19.688	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14583	17.847	ug/l	88

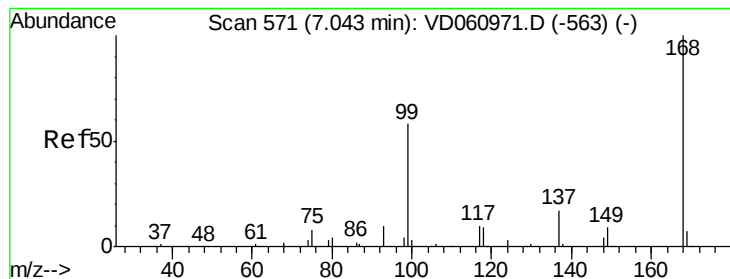
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	123011	16.701	ug/l	98
94) Hexachlorobutadiene	16.04	225	95084	20.195	ug/l	97
95) Naphthalene	16.12	128	192064	16.876	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	60293	15.090	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

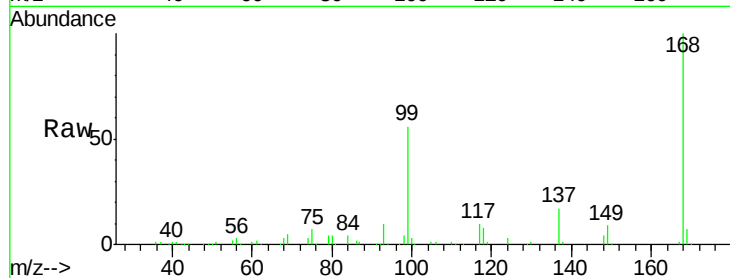
VSTDIC020

Tgt Ion:168 Resp: 730435

Ion Ratio Lower Upper

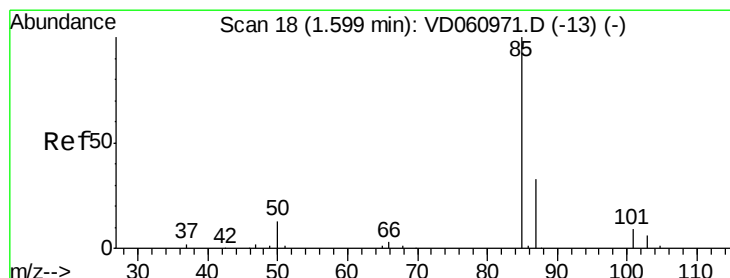
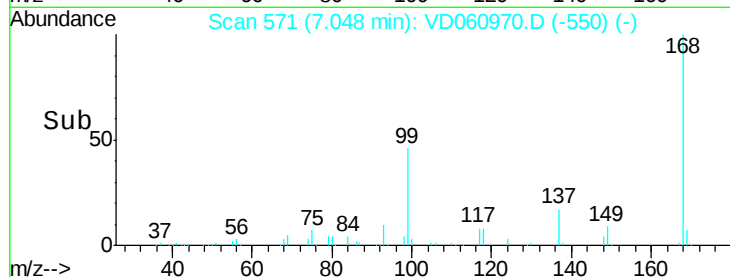
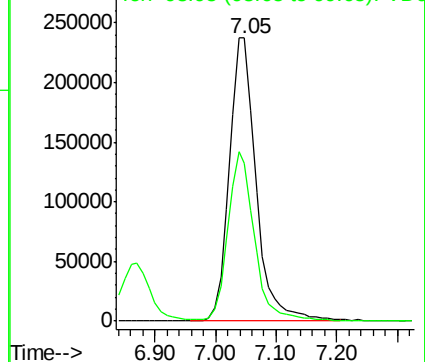
168 100

99 55.6 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: 20.257 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD060970.D

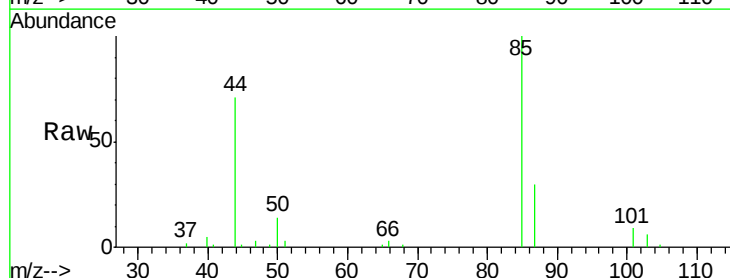
Acq: 7 Mar 2019 16:03

Tgt Ion: 85 Resp: 162188

Ion Ratio Lower Upper

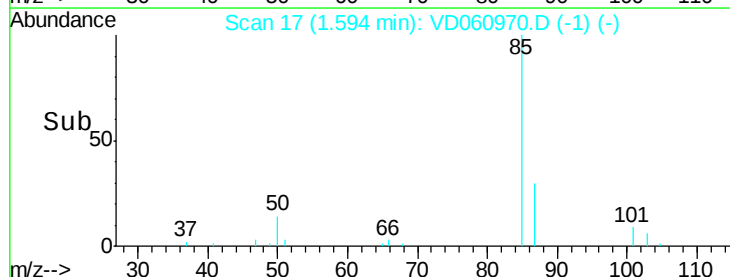
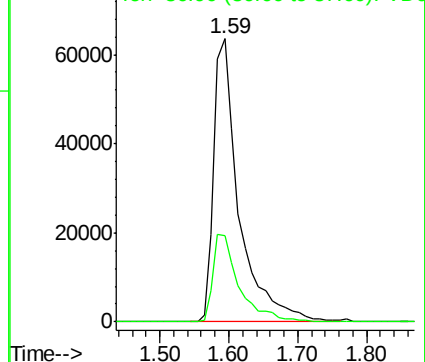
85 100

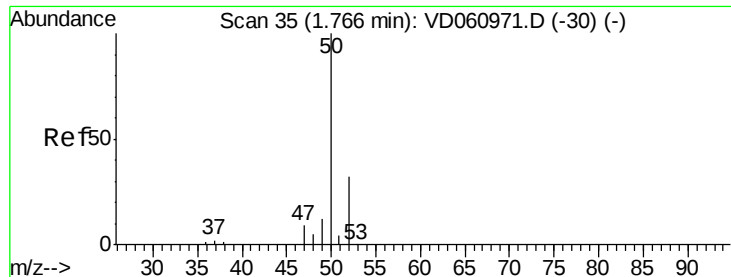
87 30.4 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.763 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

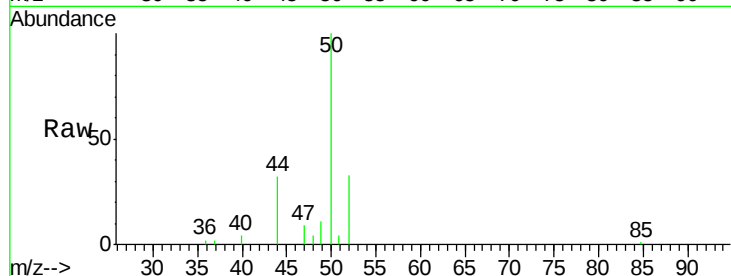
VSTDIC020

Tgt Ion: 50 Resp: 137516

Ion Ratio Lower Upper

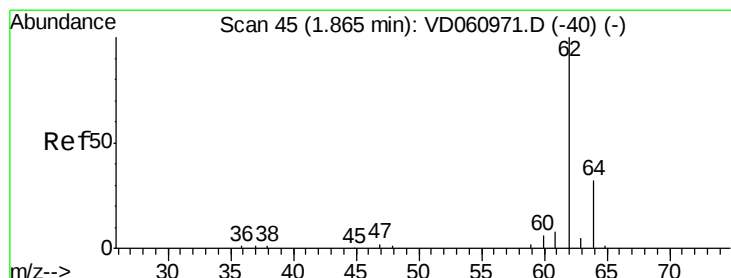
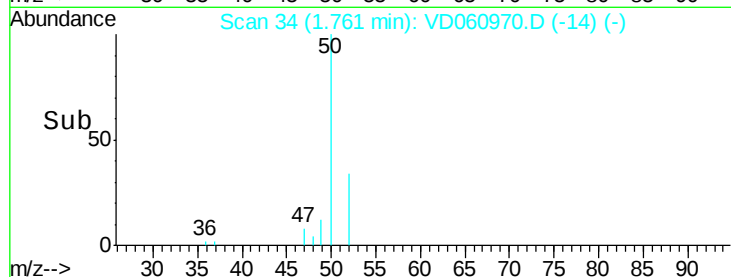
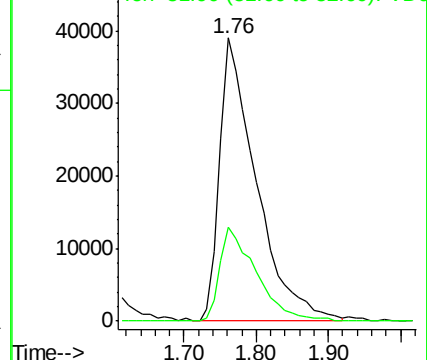
50 100

52 33.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.844 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD060970.D

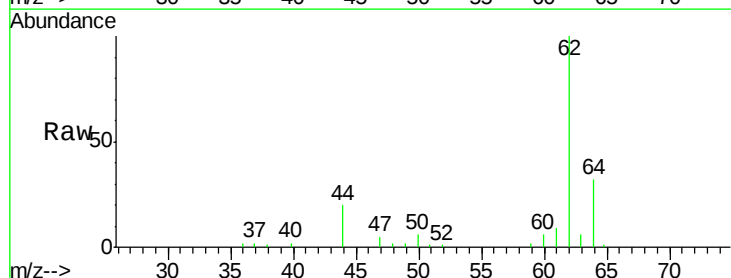
Acq: 7 Mar 2019 16:03

Tgt Ion: 62 Resp: 125463

Ion Ratio Lower Upper

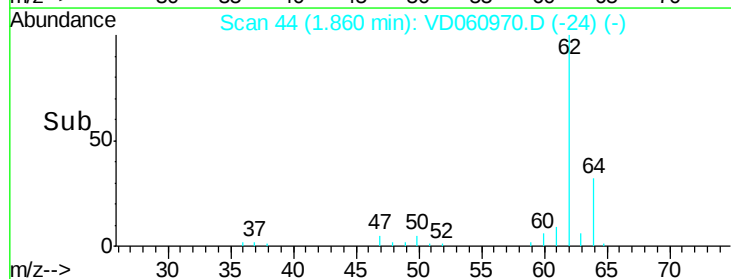
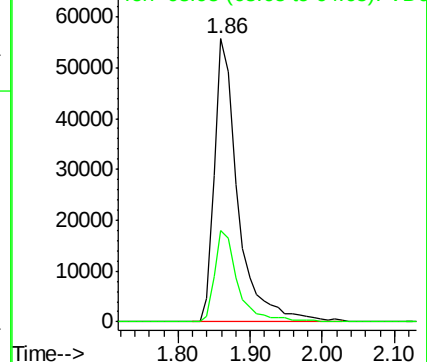
62 100

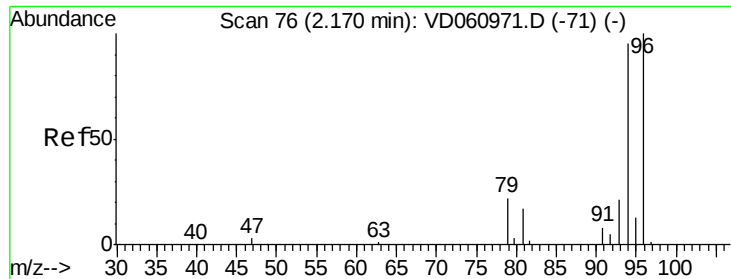
64 32.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.357 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

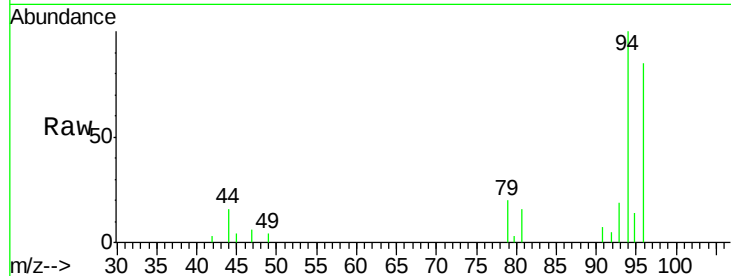
Tgt Ion: 94 Resp: 20302

Ion Ratio Lower Upper

94 100

96 85.0 84.0 126.0

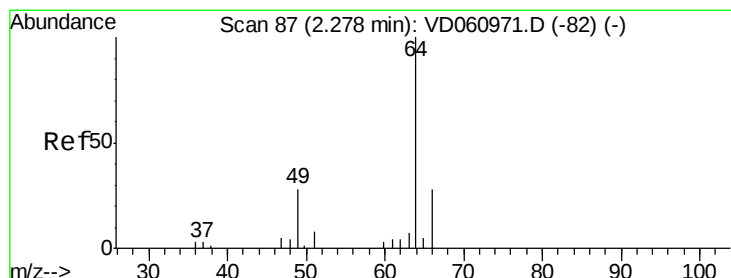
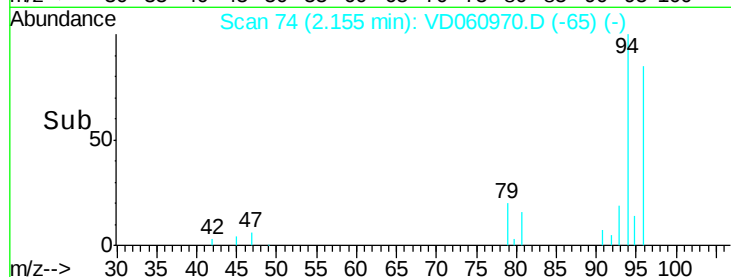
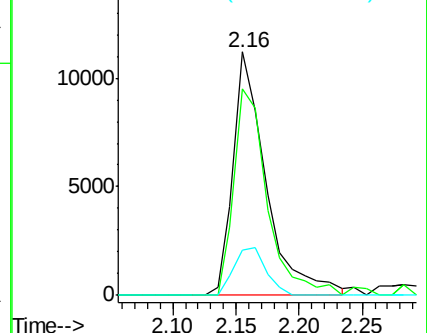
93 18.6 17.3 25.9



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: 18.252 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD060970.D

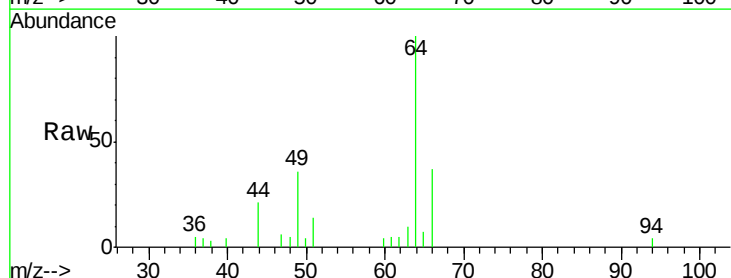
Acq: 7 Mar 2019 16:03

Tgt Ion: 64 Resp: 27369

Ion Ratio Lower Upper

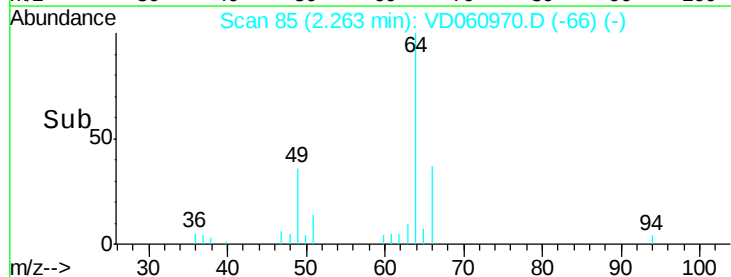
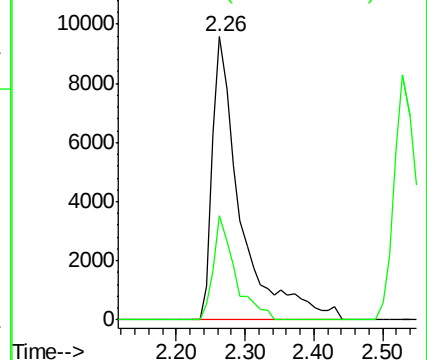
64 100

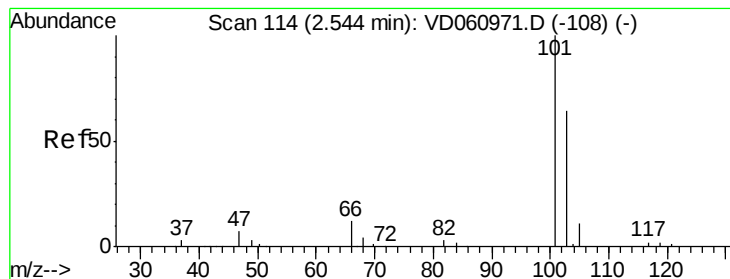
66 36.7 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



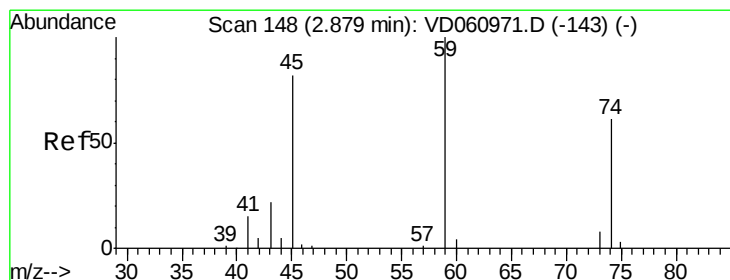
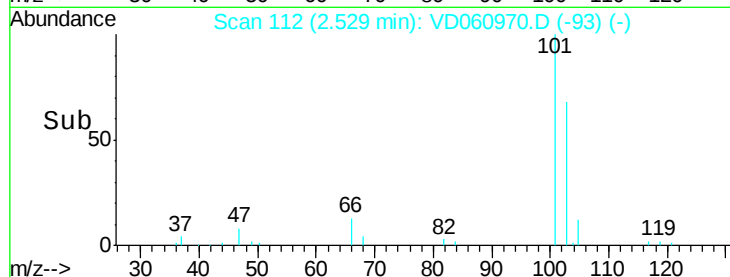
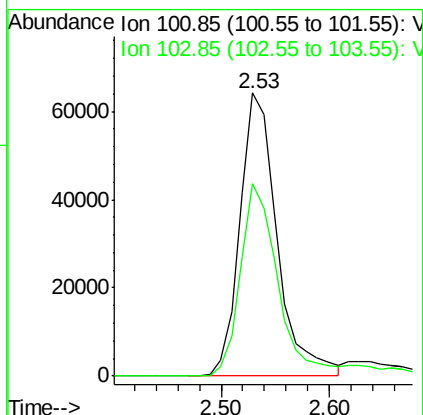
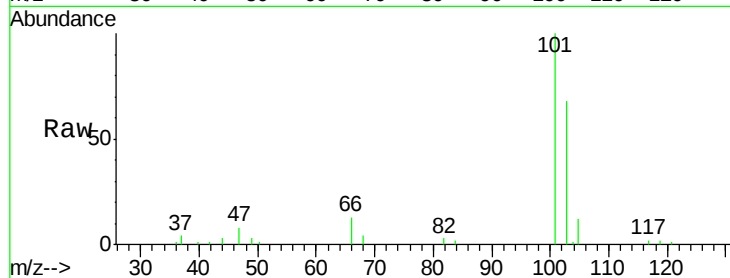


#7

Trichlorofluoromethane
Concen: 20.667 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

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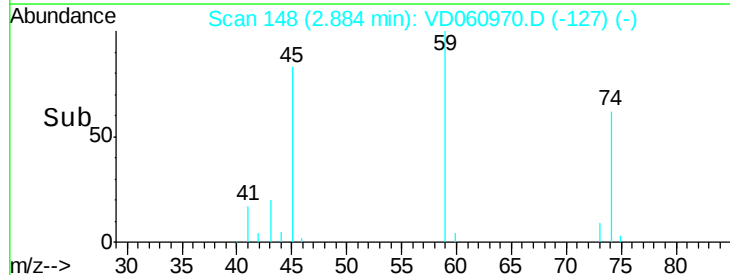
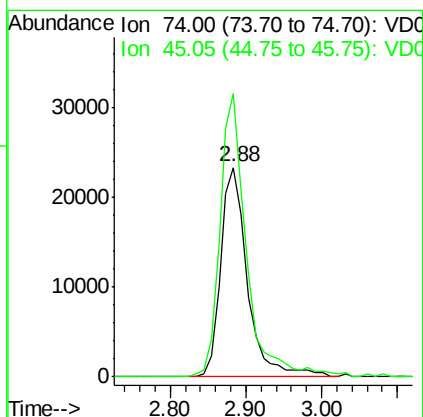
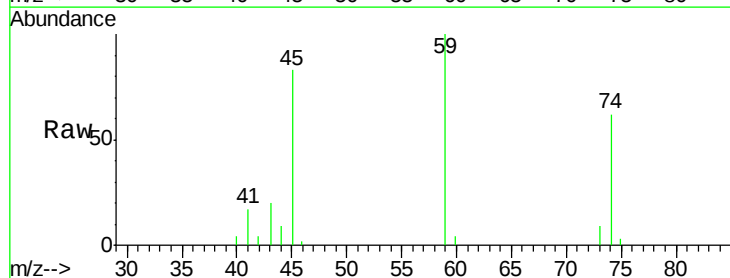
Tgt Ion:101 Resp: 153702
Ion Ratio Lower Upper
101 100
103 67.9 51.2 76.8

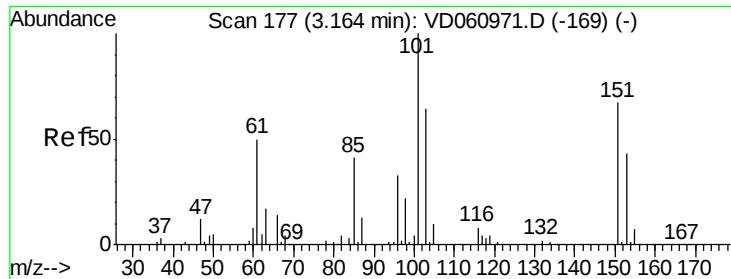


#8

Diethyl Ether
Concen: 18.156 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 74 Resp: 57154
Ion Ratio Lower Upper
74 100
45 135.1 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.023 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

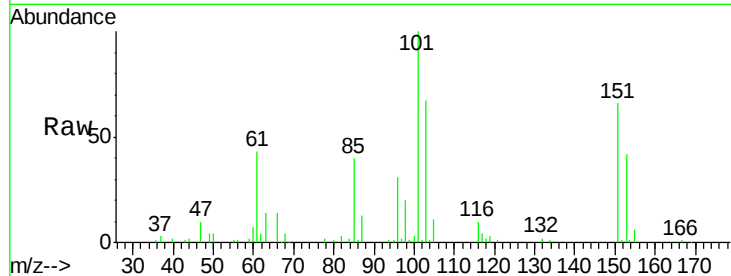
Tgt Ion:101 Resp: 202483

Ion Ratio Lower Upper

101 100

85 39.7 32.5 48.7

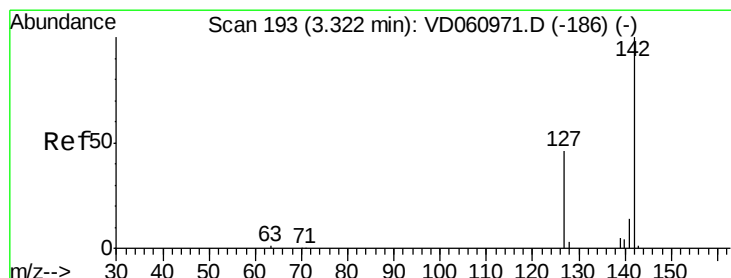
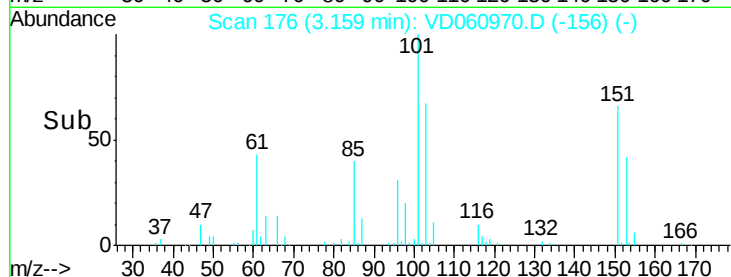
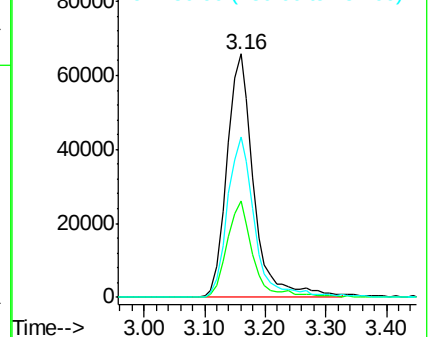
151 66.1 53.3 79.9



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: 19.183 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

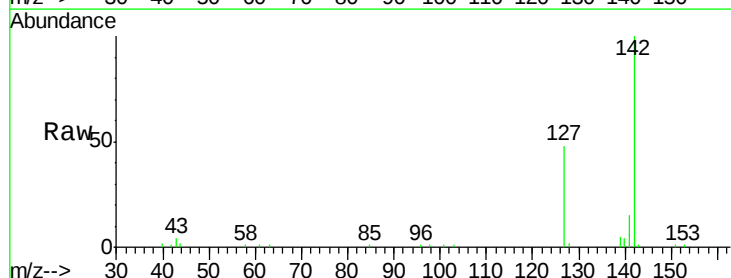
Tgt Ion:142 Resp: 218741

Ion Ratio Lower Upper

142 100

127 47.8 36.8 55.2

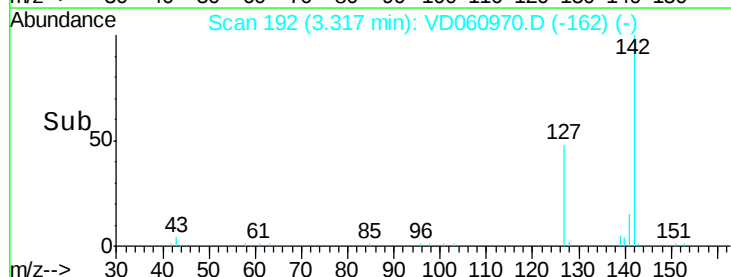
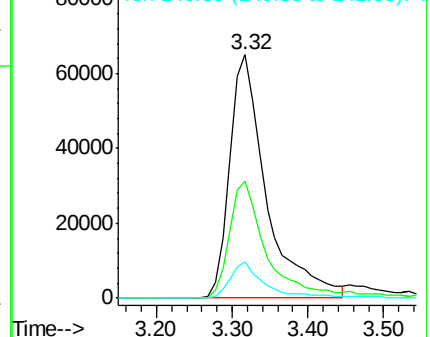
141 14.6 11.2 16.8

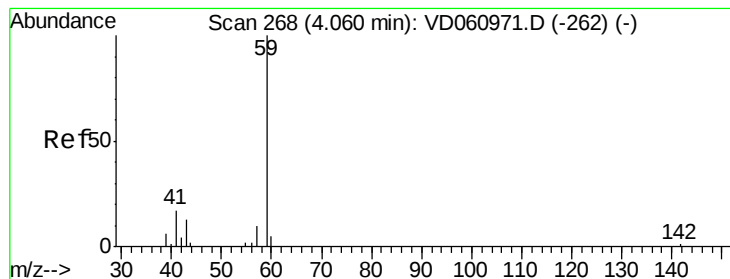


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 82.744 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

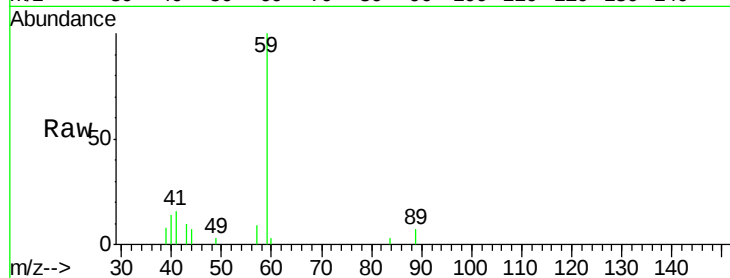
VSTDIC020

Tgt Ion: 59 Resp: 36670

Ion Ratio Lower Upper

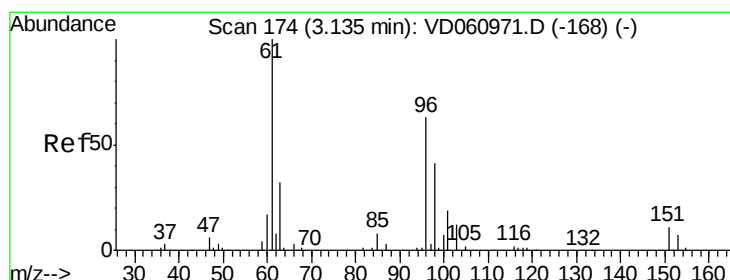
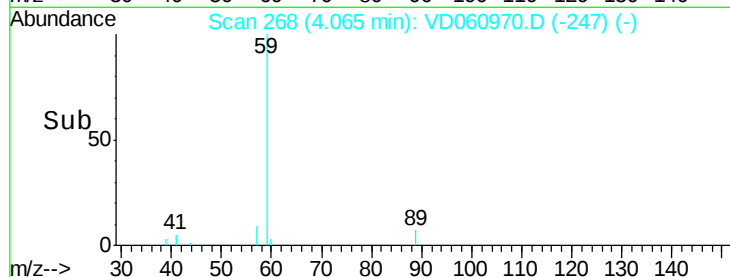
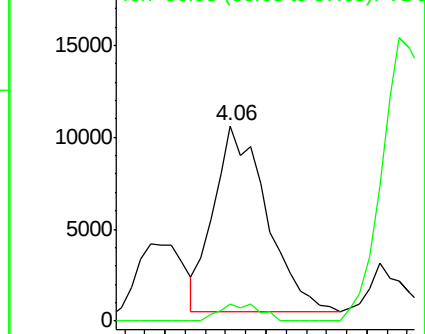
59 100

57 9.0 7.1 10.7



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 19.819 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

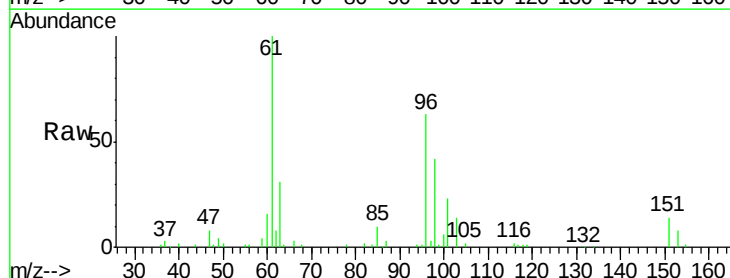
Tgt Ion: 96 Resp: 161888

Ion Ratio Lower Upper

96 100

61 158.6 127.1 190.7

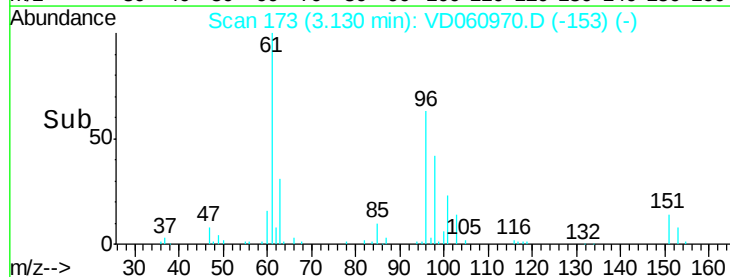
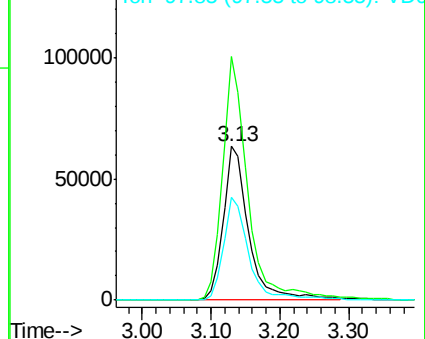
98 67.0 51.5 77.3

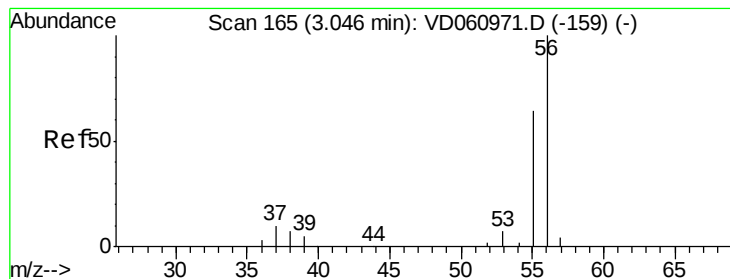


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 99.032 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

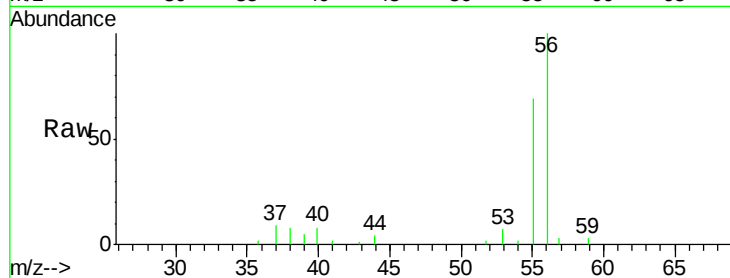
VSTDIC020

Tgt Ion: 56 Resp: 60120

Ion Ratio Lower Upper

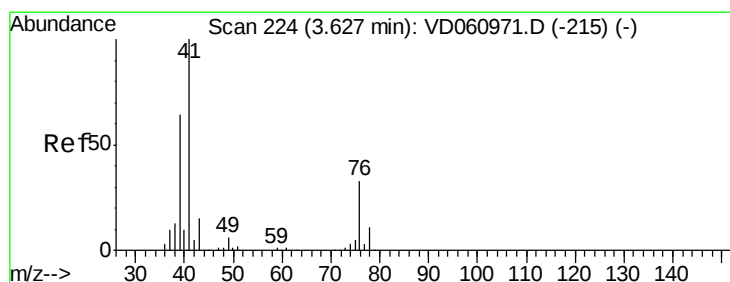
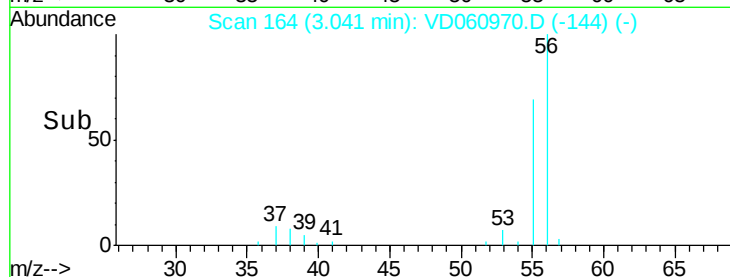
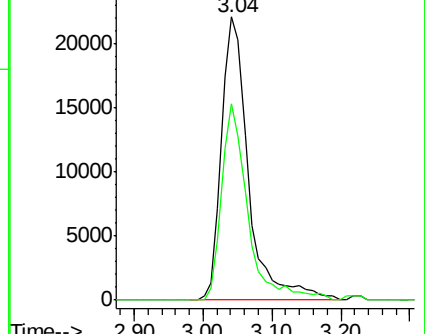
56 100

55 69.2 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: 17.646 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

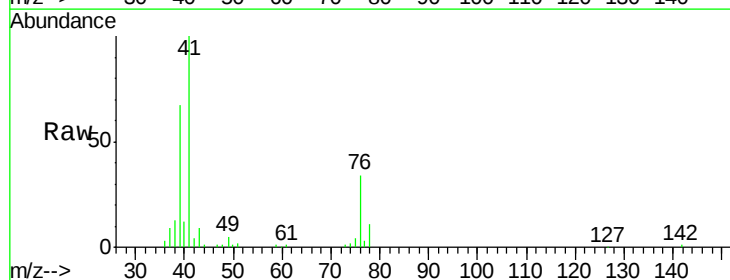
Tgt Ion: 41 Resp: 238456

Ion Ratio Lower Upper

41 100

39 67.3 51.1 76.7

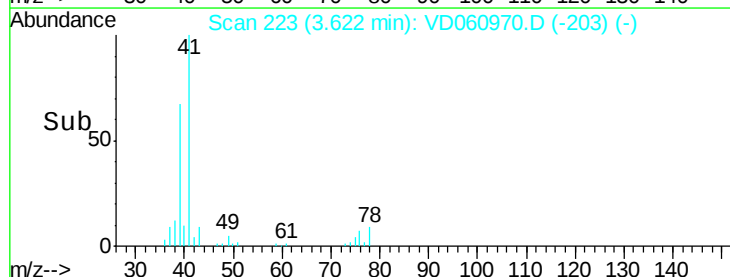
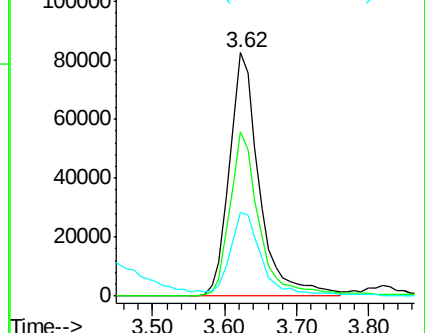
76 34.3 29.1 43.7

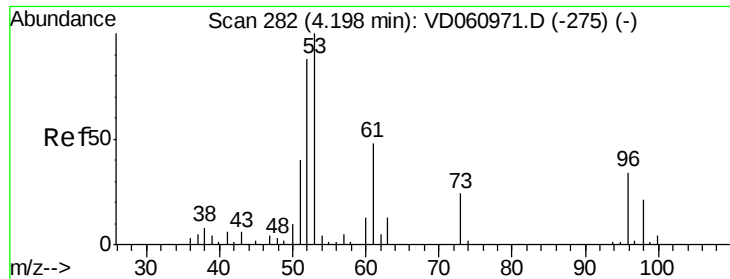


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 87.022 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

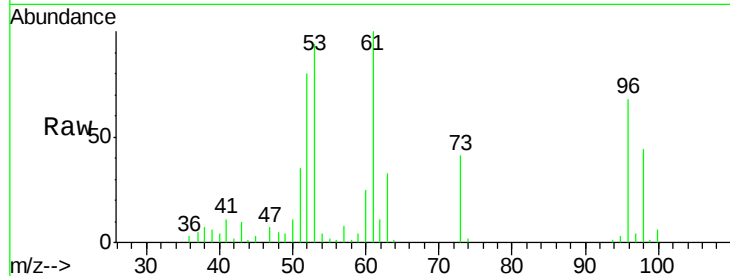
Tgt Ion: 53 Resp: 145457

Ion Ratio Lower Upper

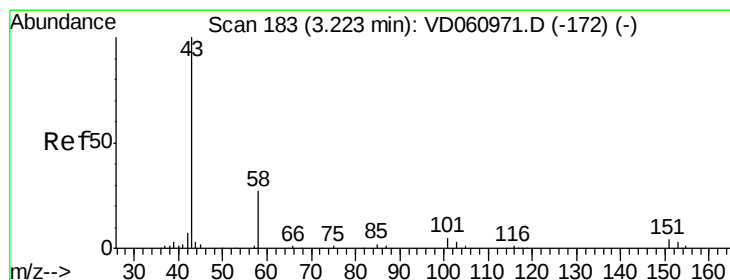
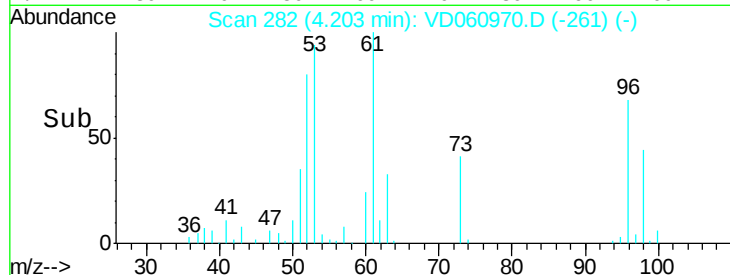
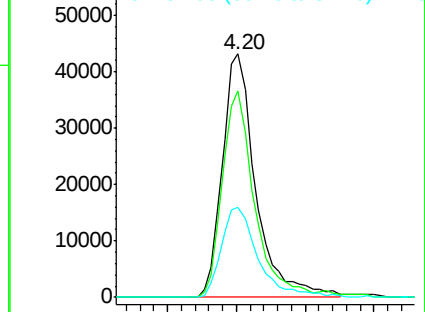
53 100

52 84.9 70.2 105.4

51 36.9 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: 90.009 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060970.D

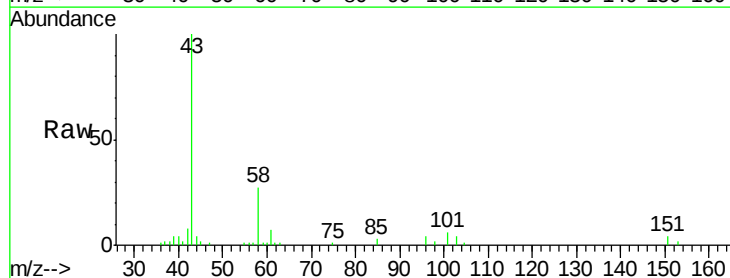
Acq: 7 Mar 2019 16:03

Tgt Ion: 43 Resp: 177480

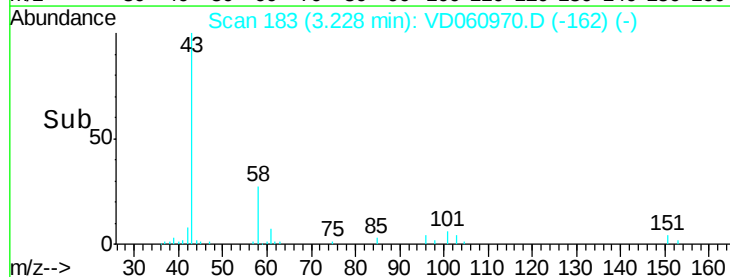
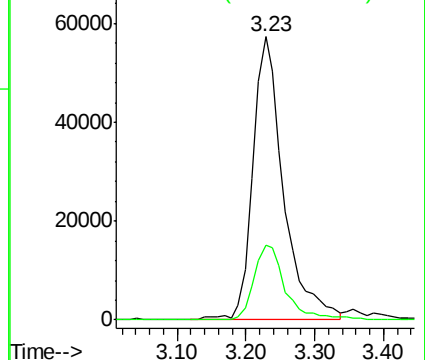
Ion Ratio Lower Upper

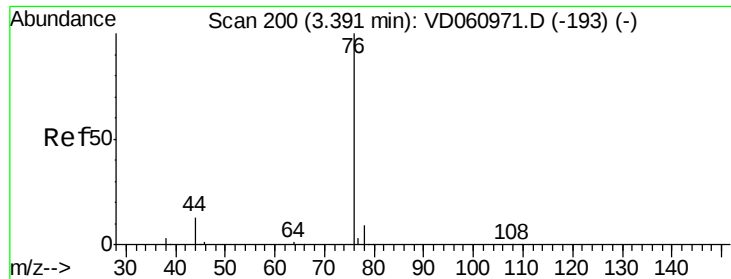
43 100

58 26.6 21.6 32.4



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

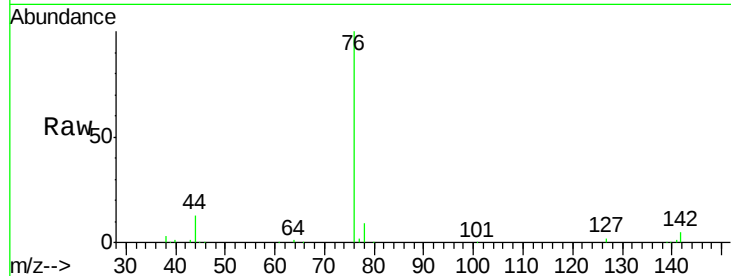




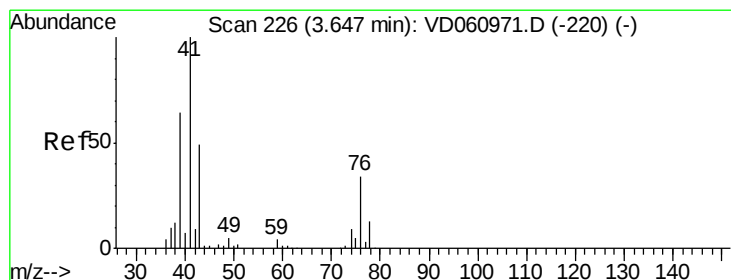
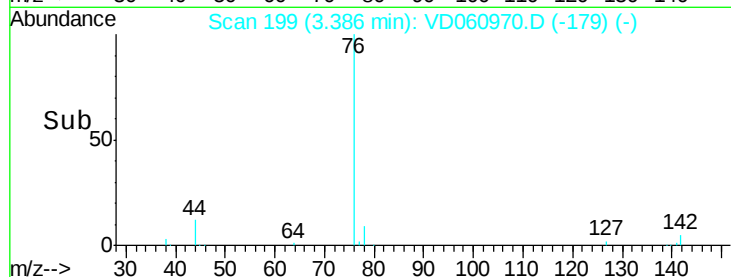
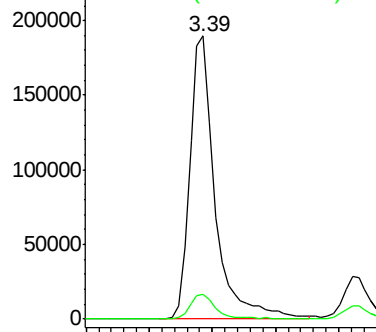
#17
Carbon Disulfide
Concen: 18.281 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 530372
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

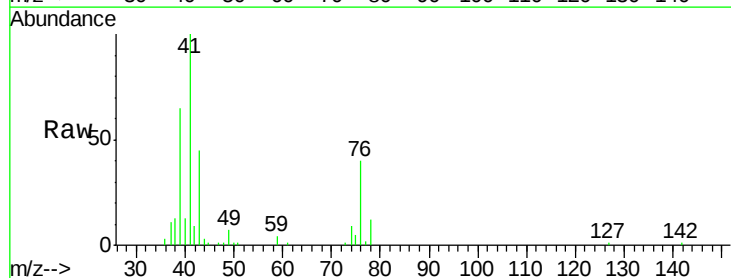


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

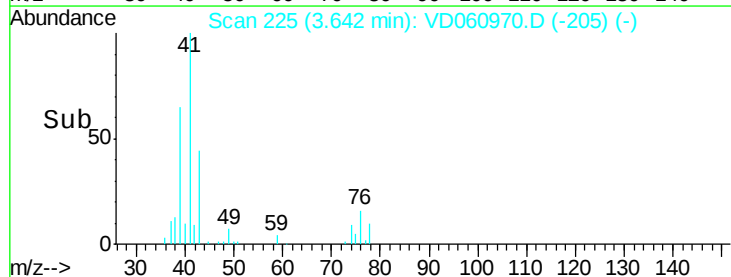
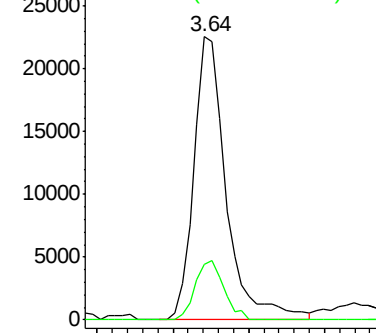


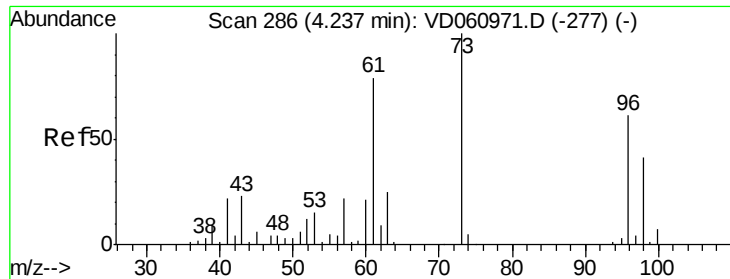
#18
Methyl Acetate
Concen: 16.481 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 43 Resp: 66755
Ion Ratio Lower Upper
43 100
74 19.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

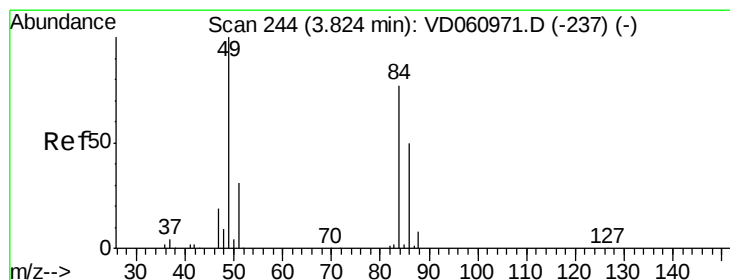
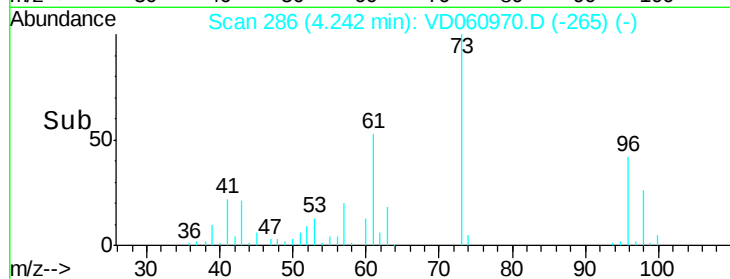
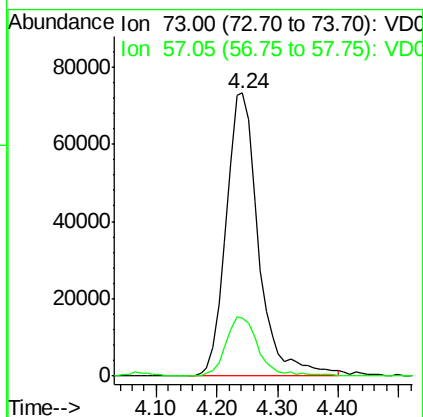
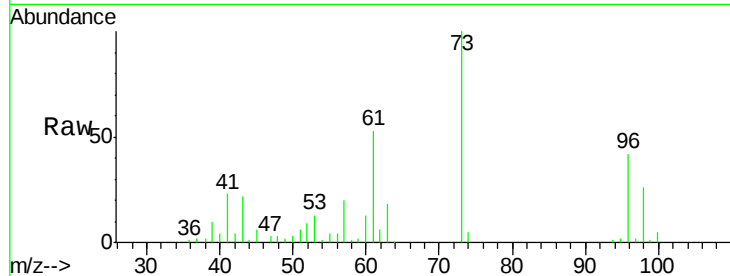




#19
Methyl tert-butyl Ether
Concen: 18.790 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

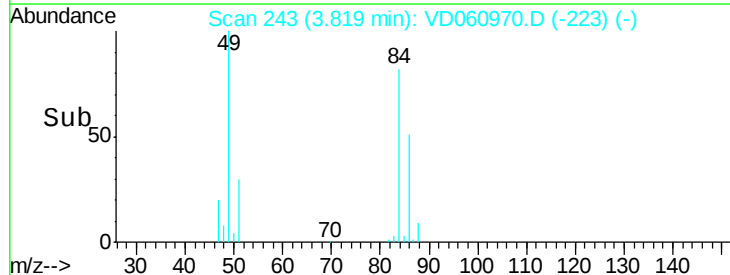
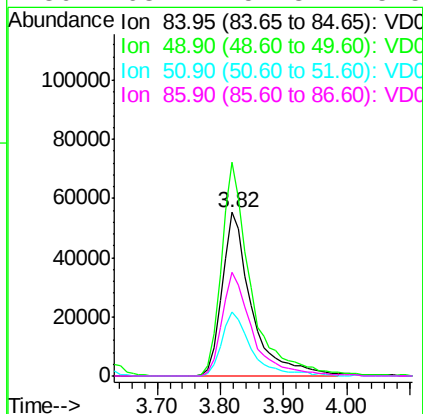
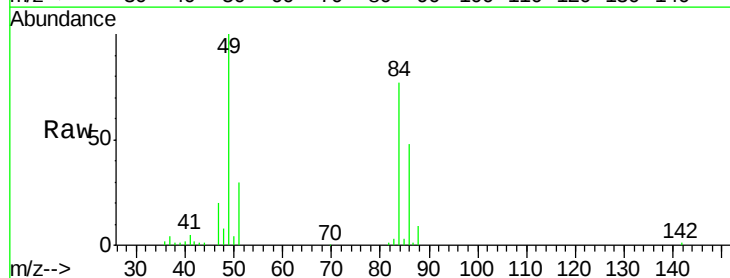
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

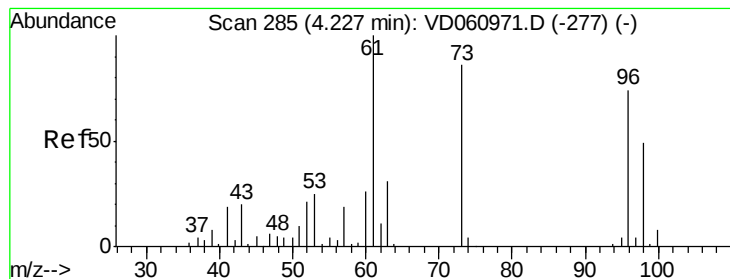
Tgt Ion: 73 Resp: 273010
Ion Ratio Lower Upper
73 100
57 20.3 17.7 26.5



#20
Methylene Chloride
Concen: 16.313 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 84 Resp: 179443
Ion Ratio Lower Upper
84 100
49 130.4 104.2 156.2
51 38.9 32.3 48.5
86 63.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.034 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

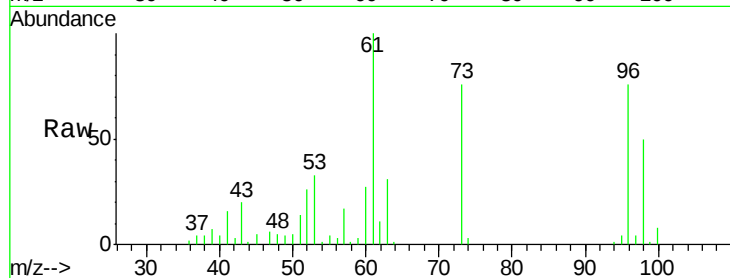
Tgt Ion: 96 Resp: 170883

Ion Ratio Lower Upper

96 100

61 131.1 108.4 162.6

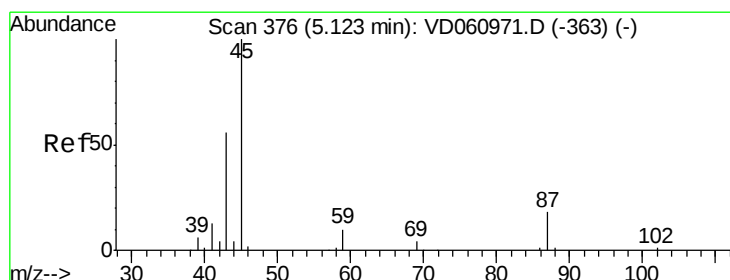
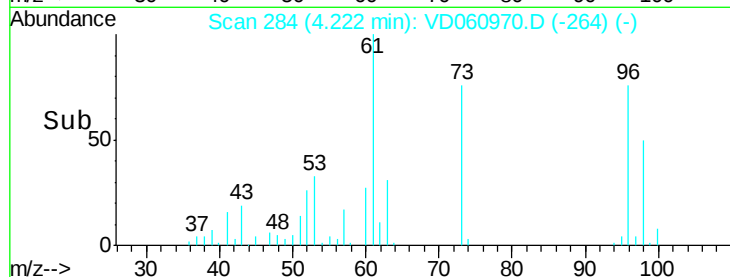
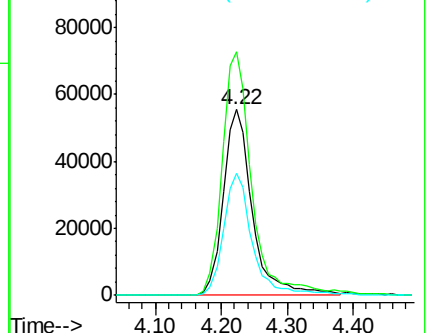
98 65.7 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.076 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Tgt Ion: 45 Resp: 514442

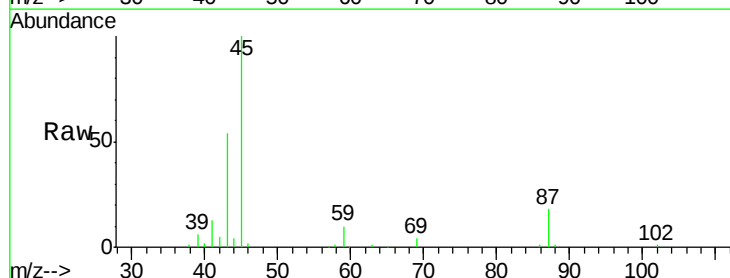
Ion Ratio Lower Upper

45 100

43 54.0 45.8 68.8

87 17.7 14.9 22.3

59 9.7 8.0 12.0

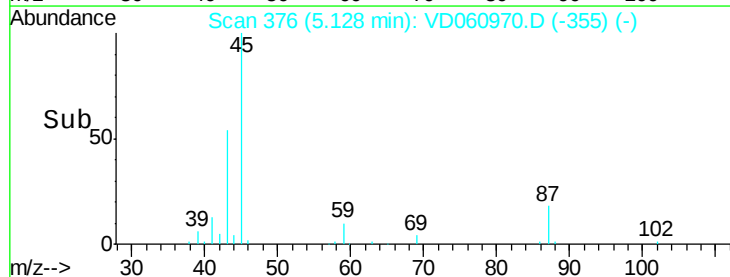
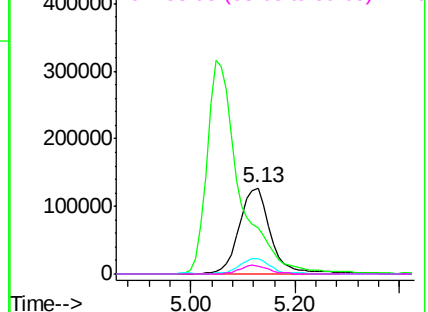


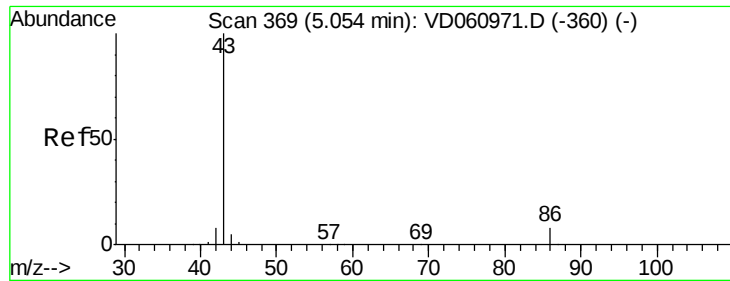
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 89.996 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

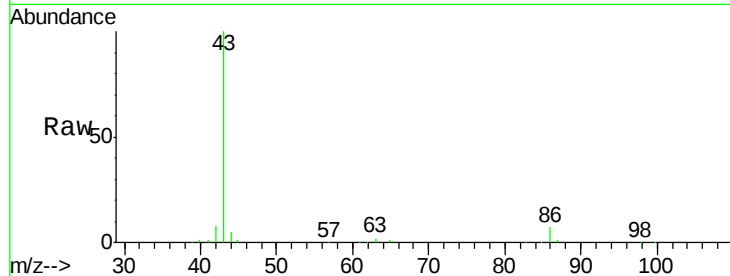
VSTDIC020

Tgt Ion: 43 Resp: 1342219

Ion Ratio Lower Upper

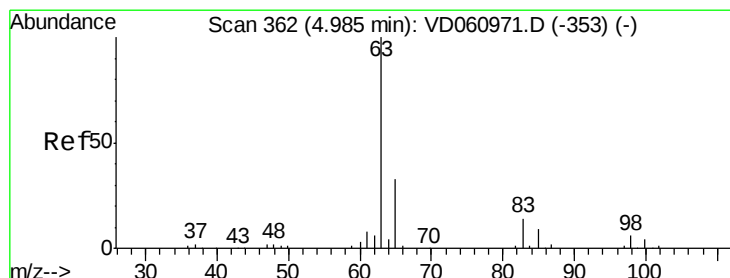
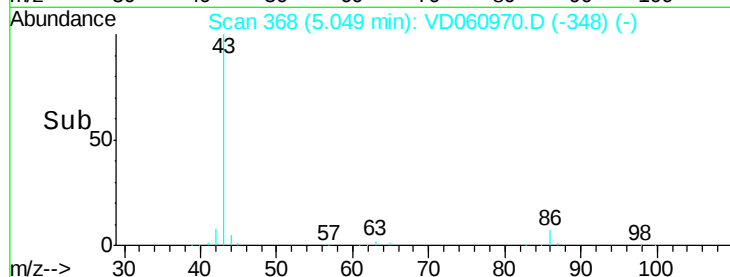
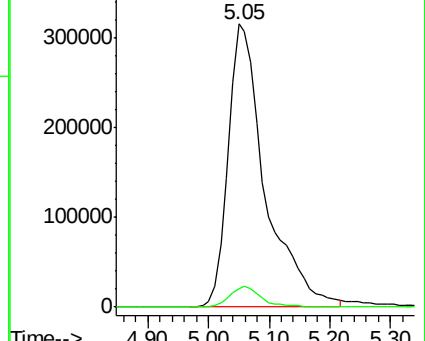
43 100

86 6.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.560 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

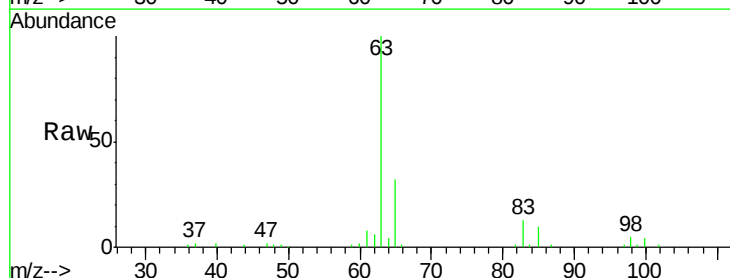
Tgt Ion: 63 Resp: 284040

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

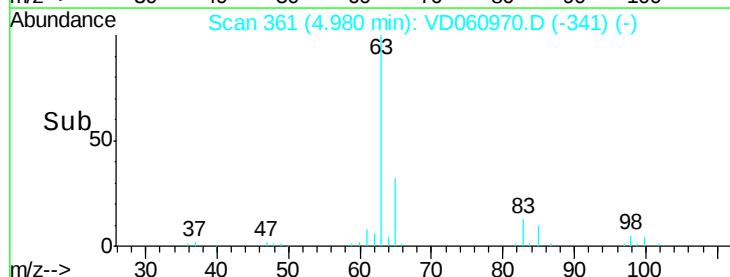
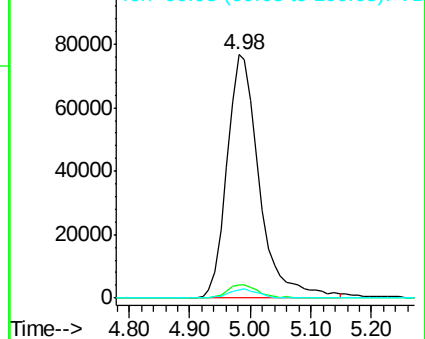
100 3.6 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 81.844 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

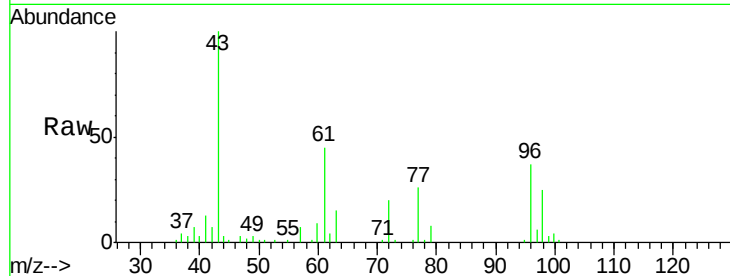
VSTDIC020

Tgt Ion: 43 Resp: 198443

Ion Ratio Lower Upper

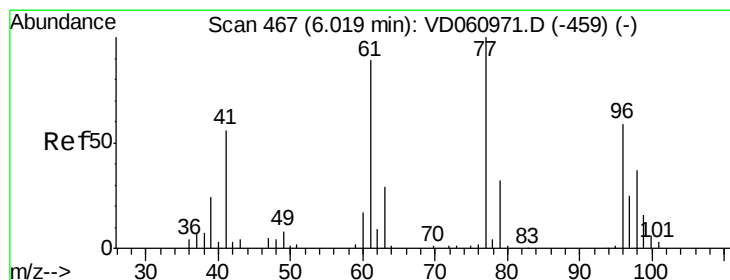
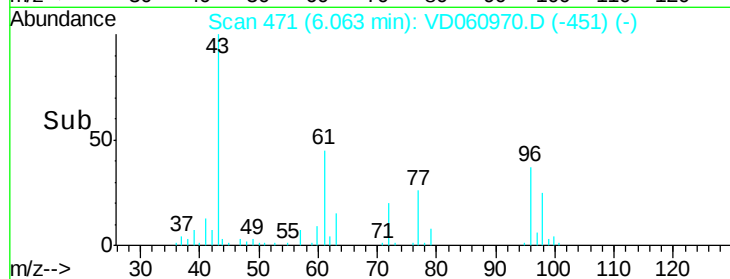
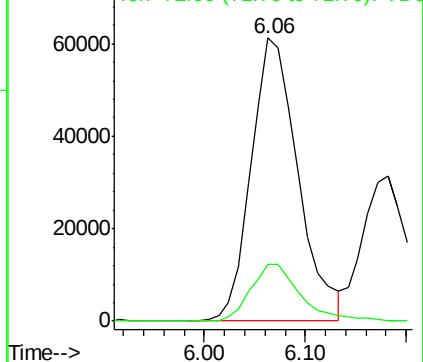
43 100

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: 19.293 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060970.D

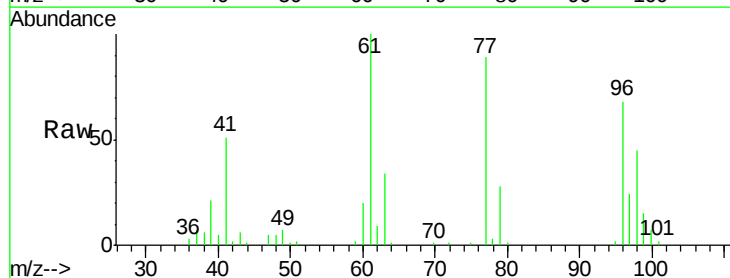
Acq: 7 Mar 2019 16:03

Tgt Ion: 77 Resp: 219415

Ion Ratio Lower Upper

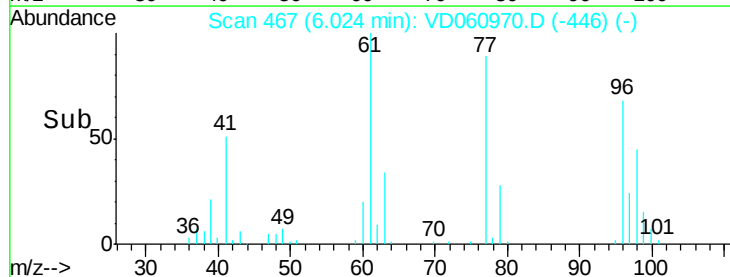
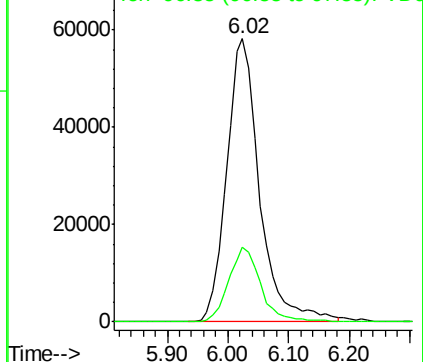
77 100

97 26.6 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: 17.636 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

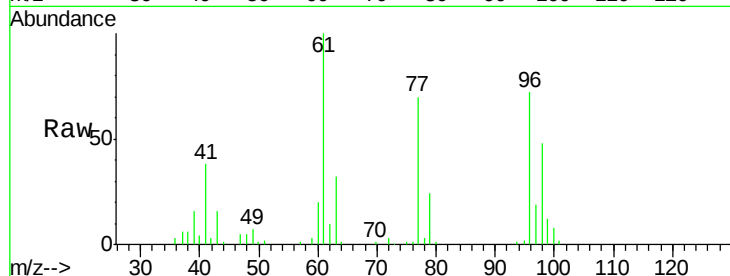
Tgt Ion: 96 Resp: 178358

Ion Ratio Lower Upper

96 100

61 139.2 0.0 273.6

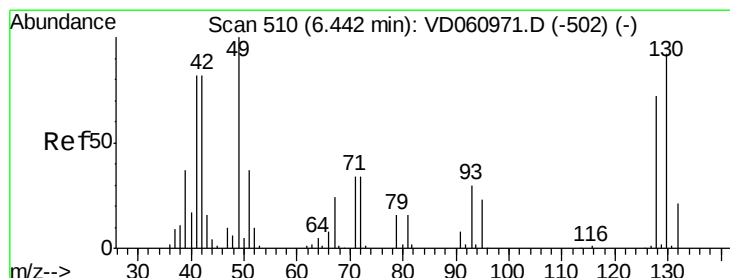
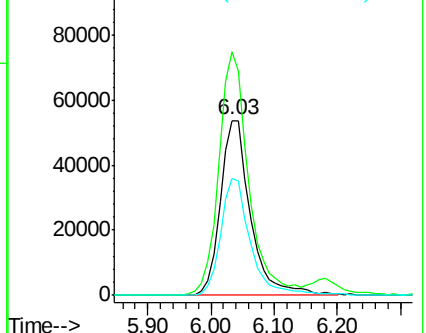
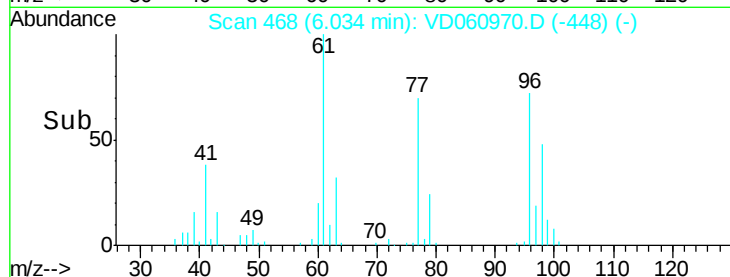
98 67.2 0.0 132.6



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: 16.911 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

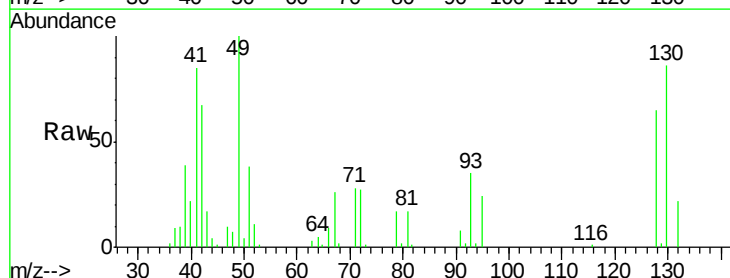
Tgt Ion: 49 Resp: 107550

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

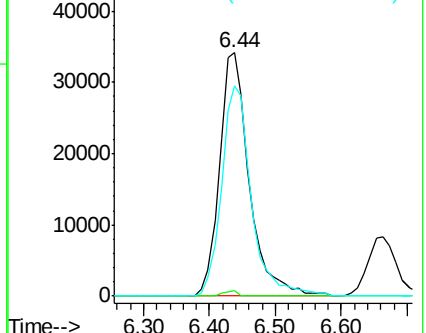
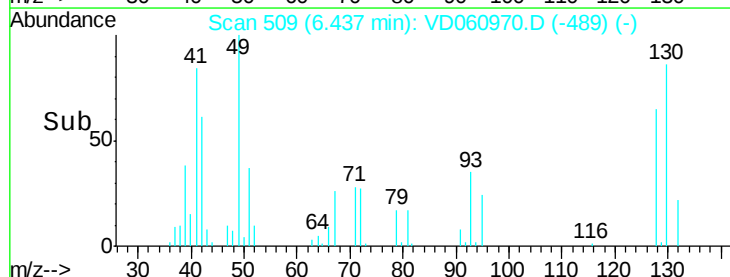
130 86.4 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.661 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

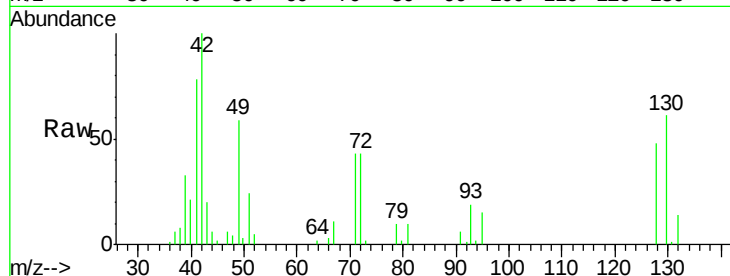
Tgt Ion: 42 Resp: 108637

Ion Ratio Lower Upper

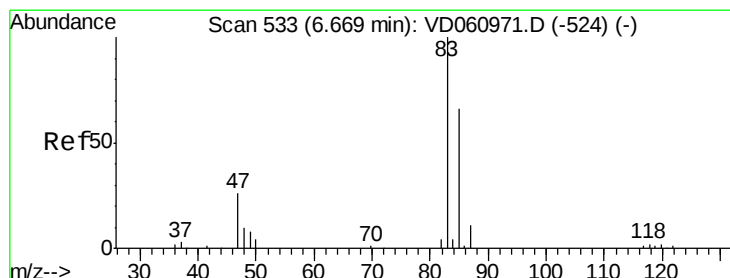
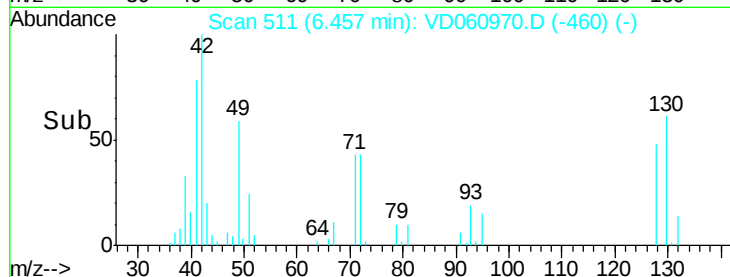
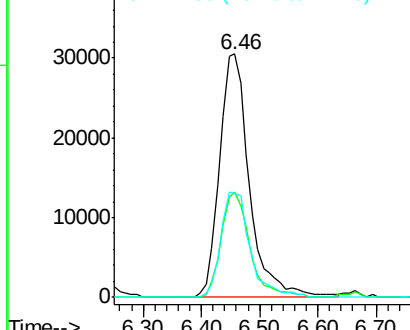
42 100

72 41.6 34.5 51.7

71 42.4 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: 19.877 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060970.D

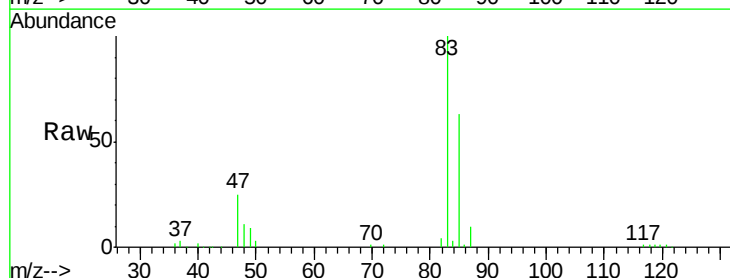
Acq: 7 Mar 2019 16:03

Tgt Ion: 83 Resp: 294349

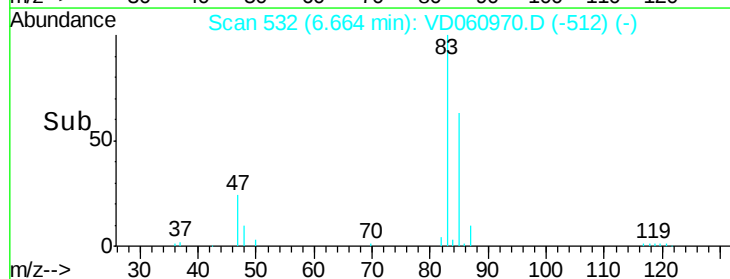
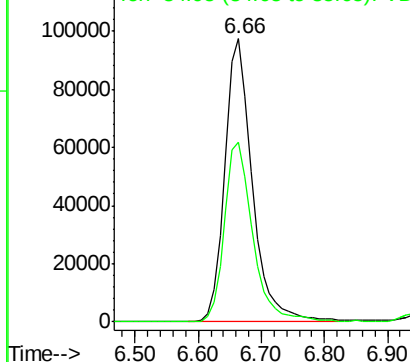
Ion Ratio Lower Upper

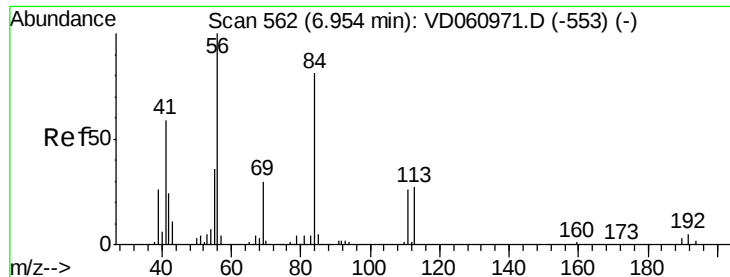
83 100

85 63.5 53.0 79.4



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

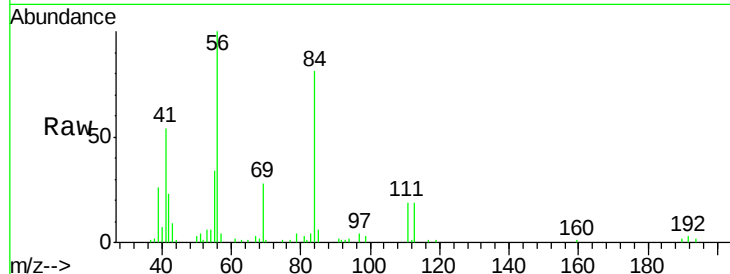




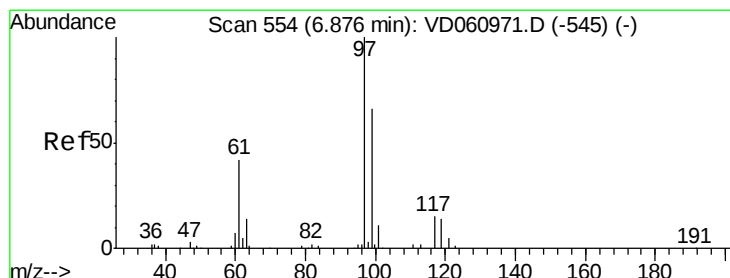
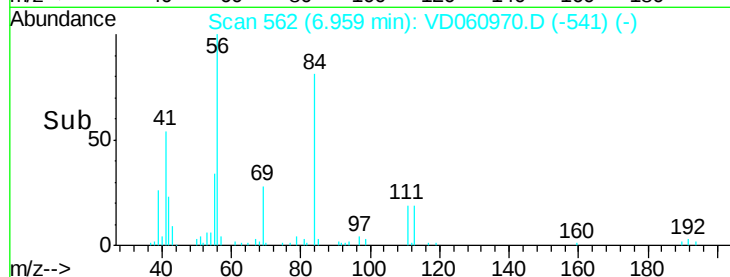
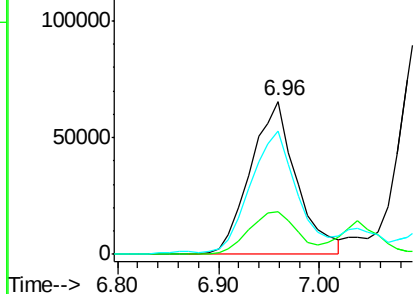
#31
Cyclohexane
Concen: 15.999 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 207782
Ion Ratio Lower Upper
56 100
69 27.6 24.0 36.0
84 80.6 65.8 98.6

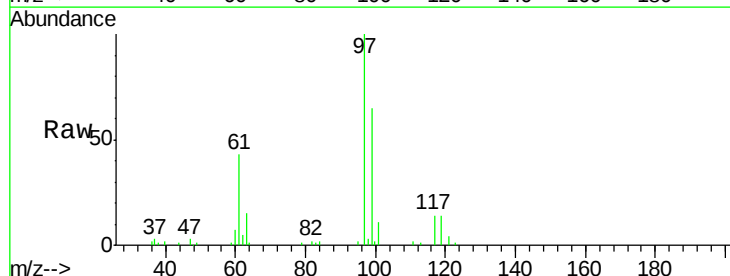


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

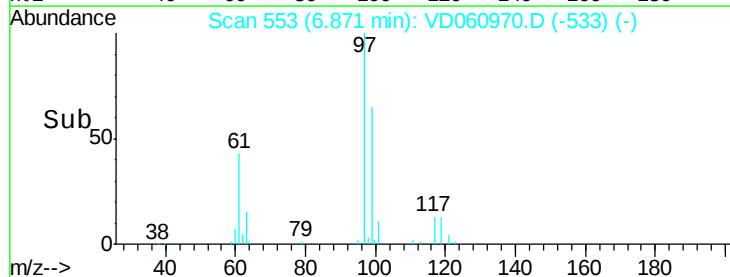
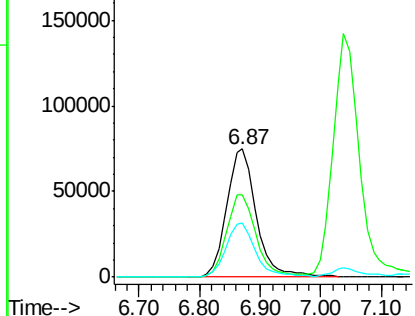


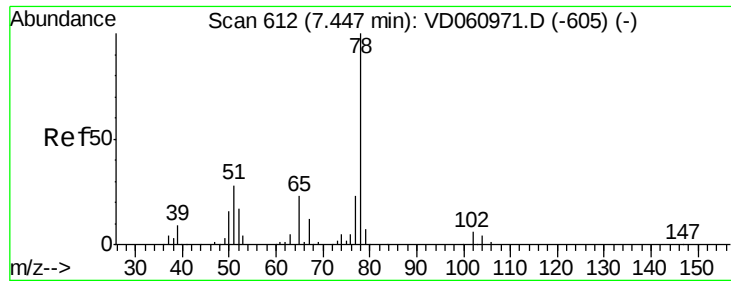
#32
1,1,1-Trichloroethane
Concen: 19.922 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 97 Resp: 253745
Ion Ratio Lower Upper
97 100
99 64.7 53.2 79.8
61 42.6 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: 19.922 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

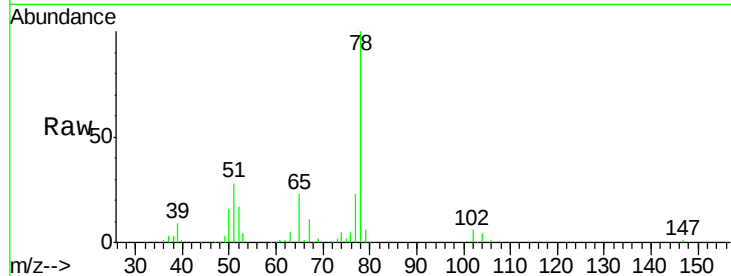
VSTDIC020

Tgt Ion: 65 Resp: 123687

Ion Ratio Lower Upper

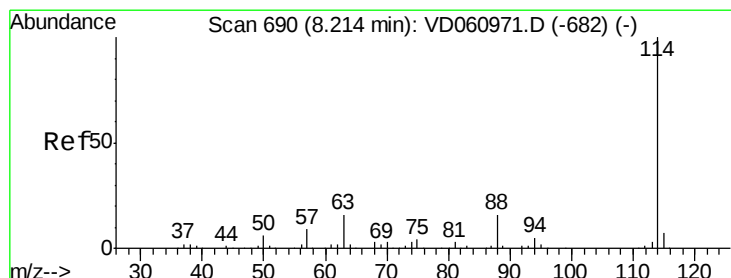
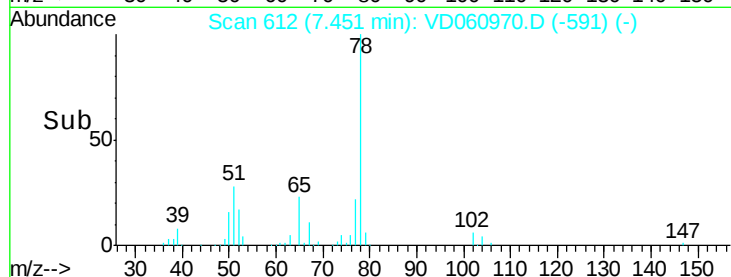
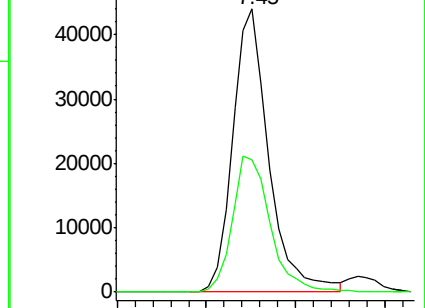
65 100

67 46.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

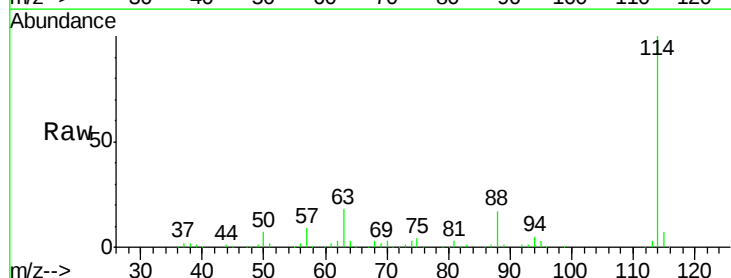
Tgt Ion: 114 Resp: 1203906

Ion Ratio Lower Upper

114 100

63 17.6 0.0 31.4

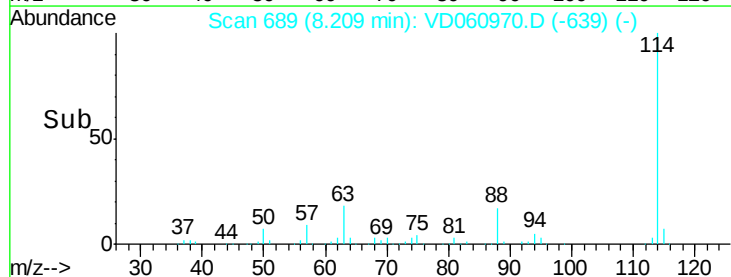
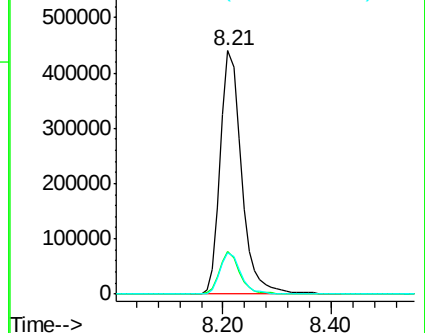
88 16.9 0.0 33.0

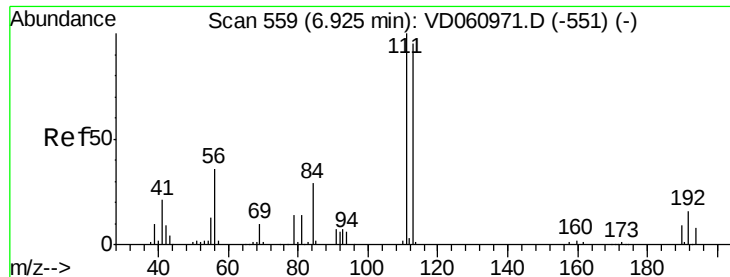


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

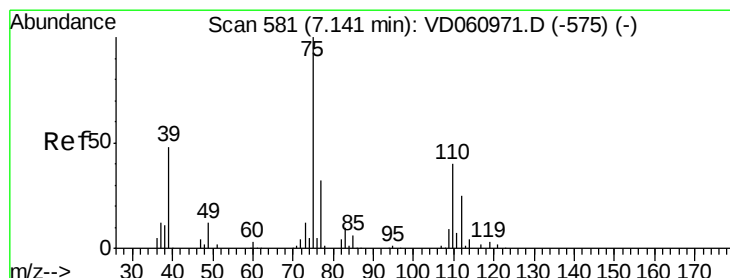
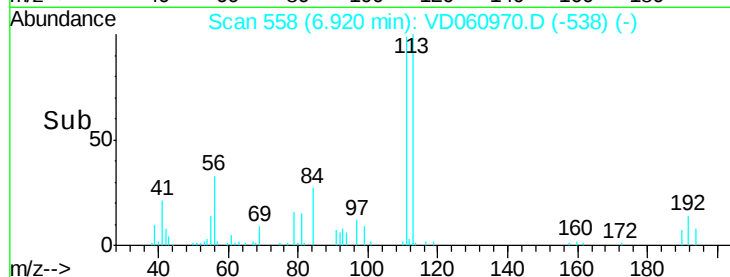
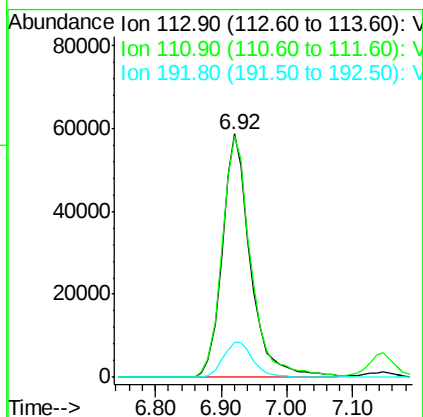
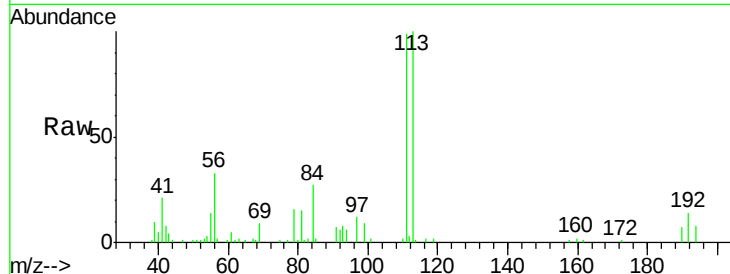




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

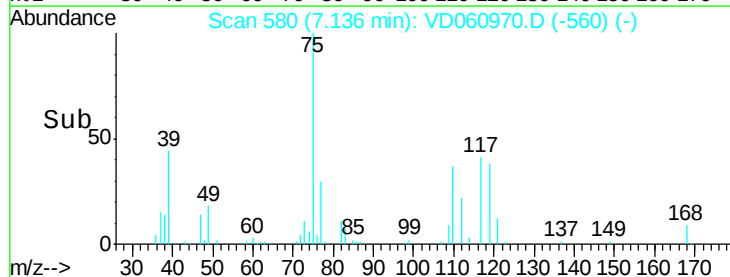
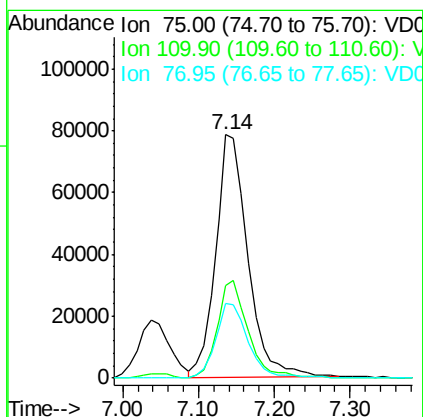
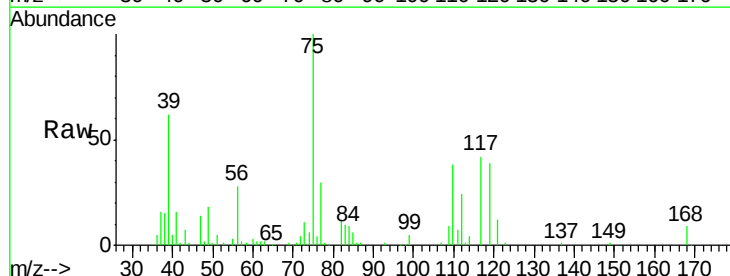
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

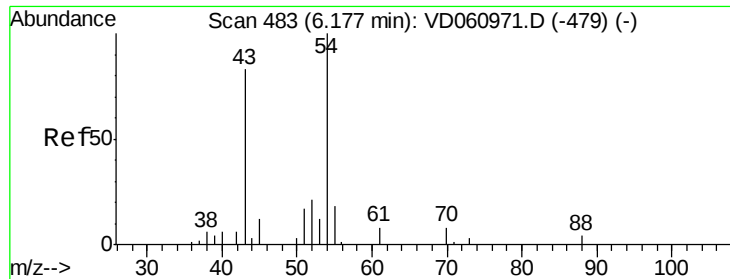
Tgt Ion:113 Resp: 174922
 Ion Ratio Lower Upper
 113 100
 111 98.9 84.2 126.4
 192 14.3 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 21.046 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion: 75 Resp: 232324
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.7 59.1
 77 30.4 24.7 37.1

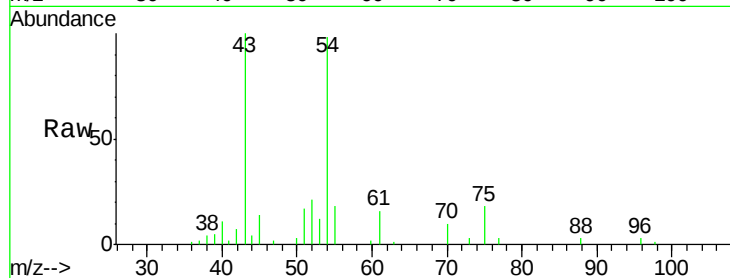




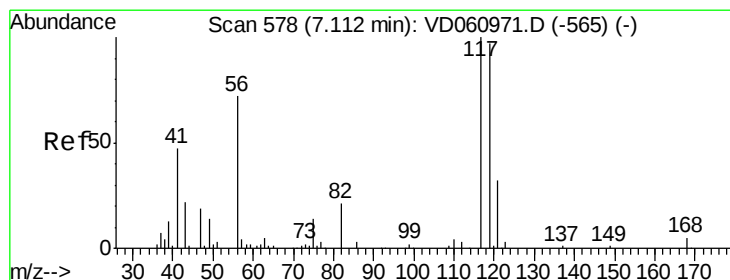
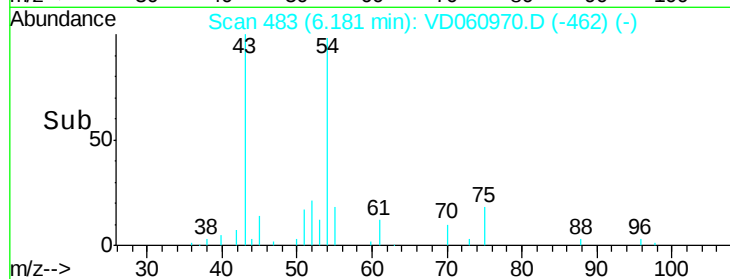
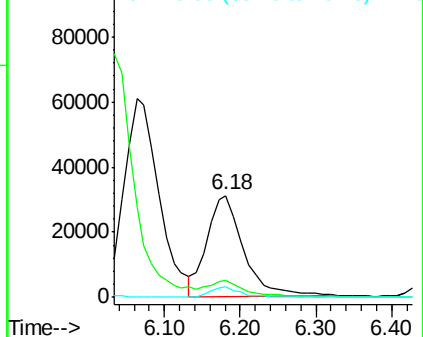
#37
Ethyl Acetate
Concen: 18.403 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 103792
Ion Ratio Lower Upper
43 100
61 16.2 13.7 20.5
70 10.5 7.1 10.7

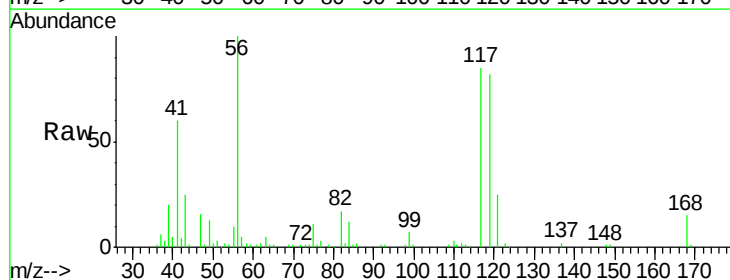


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

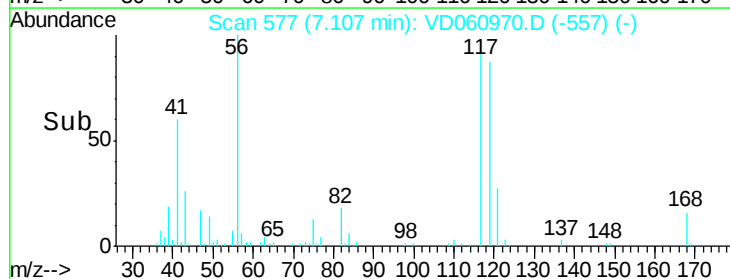
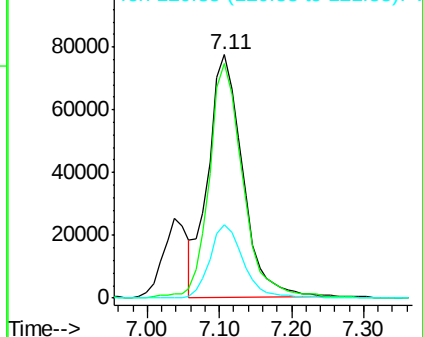


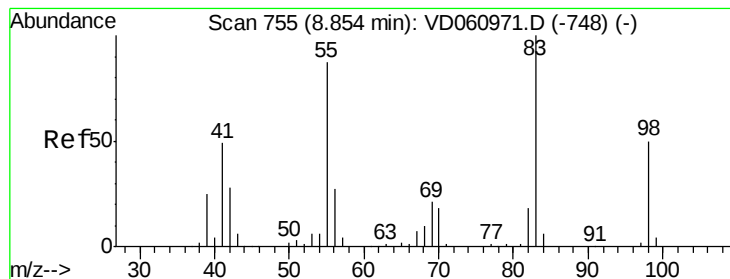
#38
Carbon Tetrachloride
Concen: 21.337 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 117 Resp: 255281
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8
121 30.0 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: 18.426 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

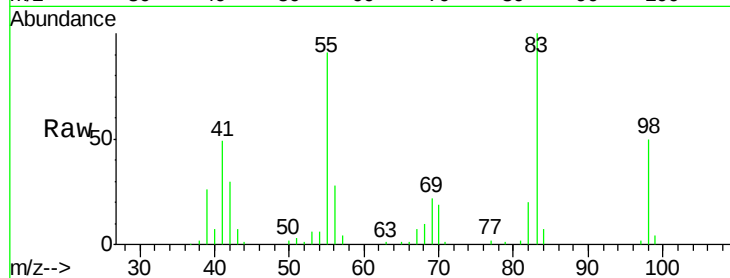
Tgt Ion: 83 Resp: 221679

Ion Ratio Lower Upper

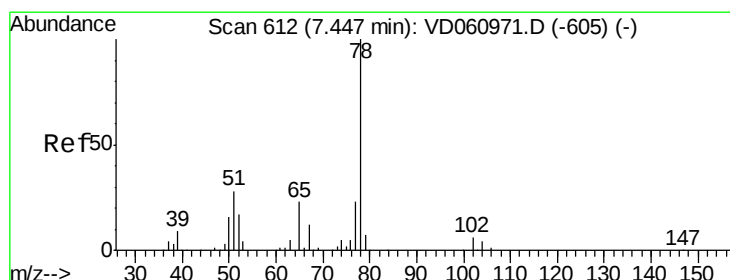
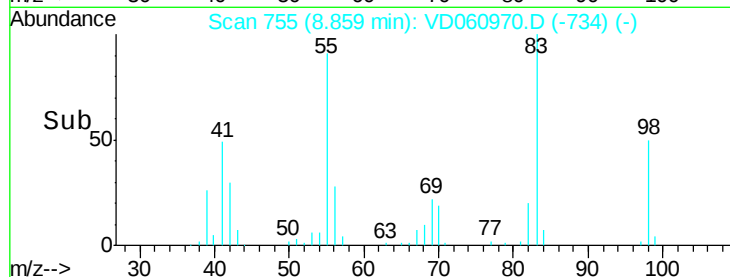
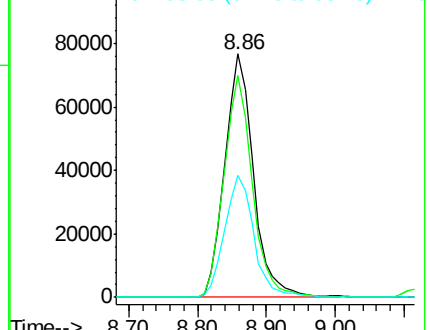
83 100

55 91.2 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: 19.953 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060970.D

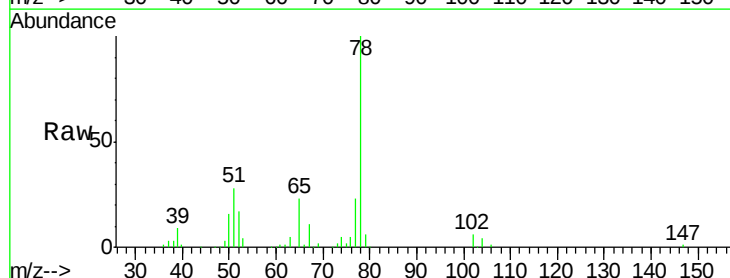
Acq: 7 Mar 2019 16:03

Tgt Ion: 78 Resp: 568369

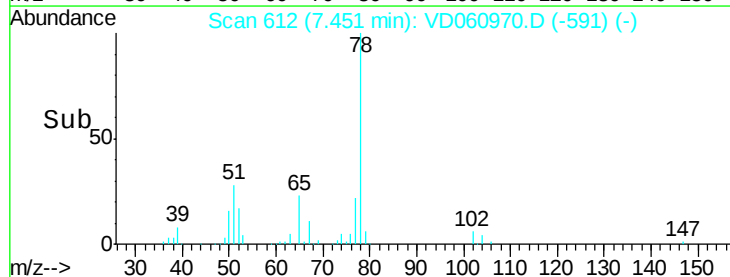
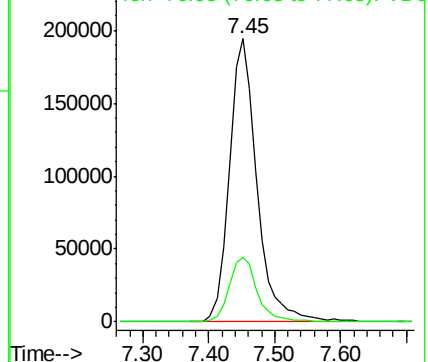
Ion Ratio Lower Upper

78 100

77 22.6 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: 29.639 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

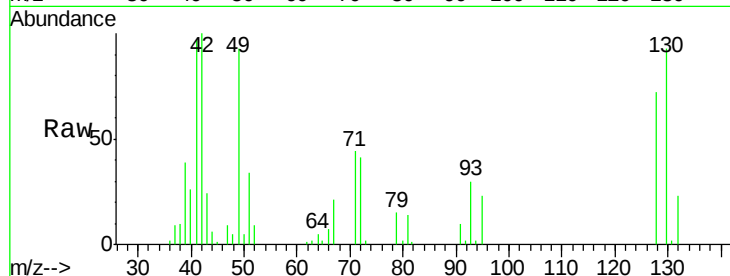
ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 119821

Ion Ratio Lower Upper

41	100		
39	40.3	35.7	53.5
67	22.1	23.0	34.6
52	9.3	9.2	13.8

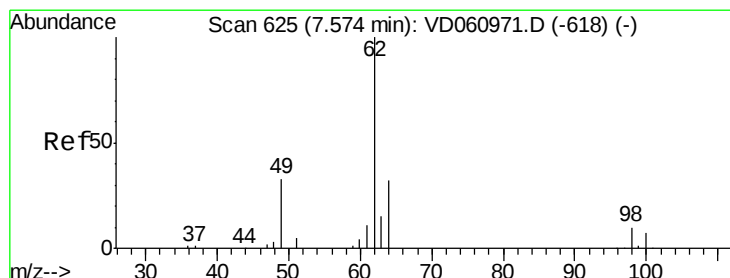
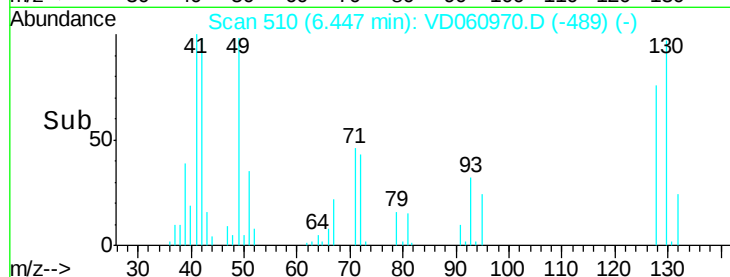
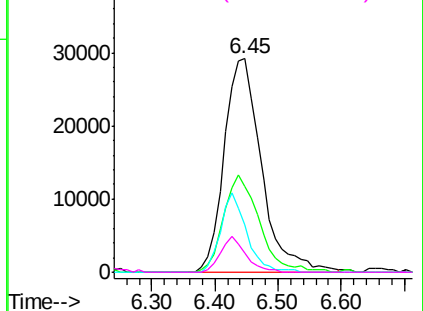


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.095 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

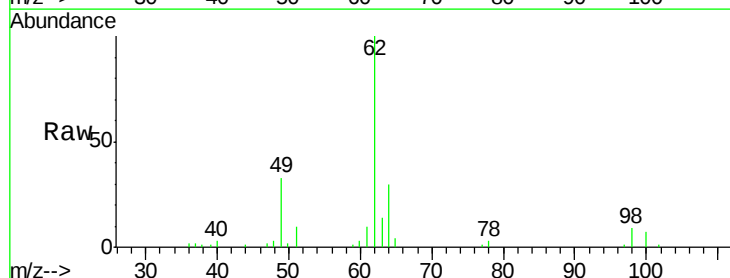
Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Tgt Ion: 62 Resp: 162027

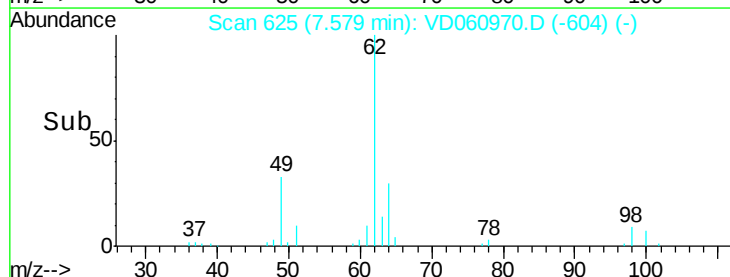
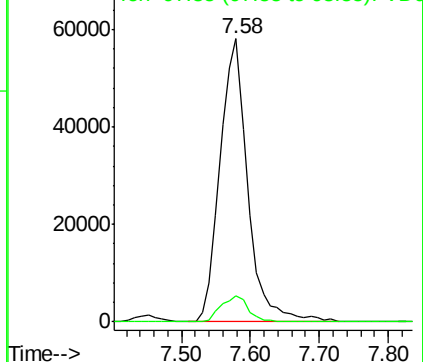
Ion Ratio Lower Upper

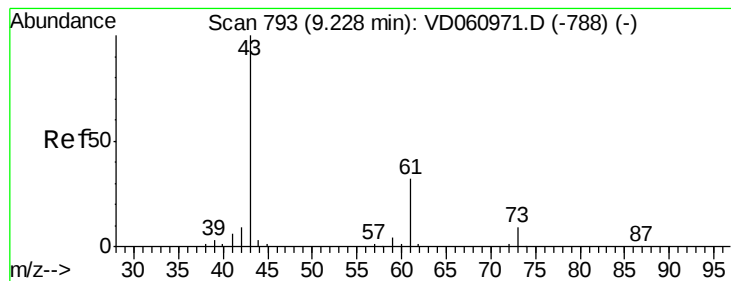
62	100		
98	9.0	0.0	20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.232 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

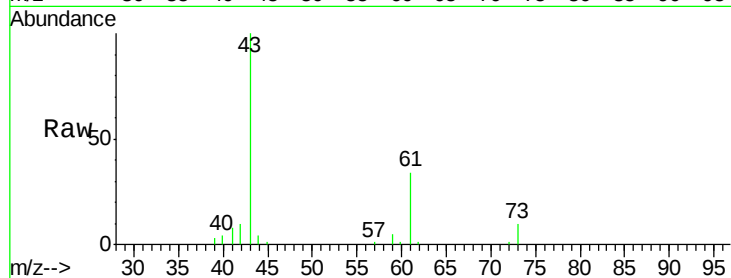
Tgt Ion: 43 Resp: 150942

Ion Ratio Lower Upper

43 100

61 33.6 25.6 38.4

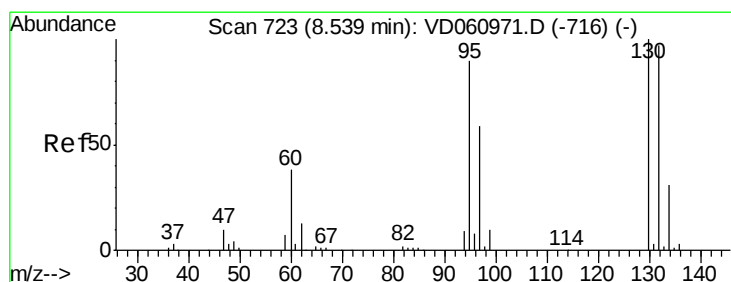
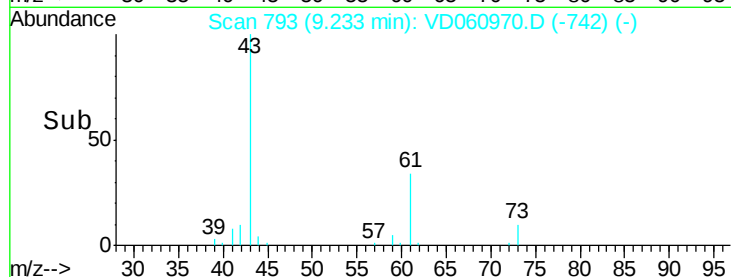
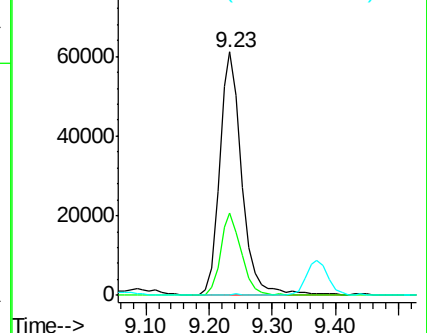
87 0.0 0.2 0.4#



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: 19.097 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD060970.D

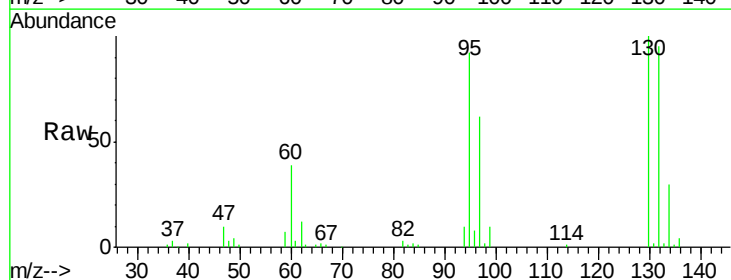
Acq: 7 Mar 2019 16:03

Tgt Ion:130 Resp: 184580

Ion Ratio Lower Upper

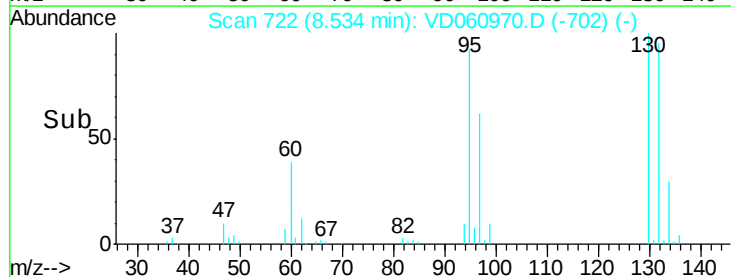
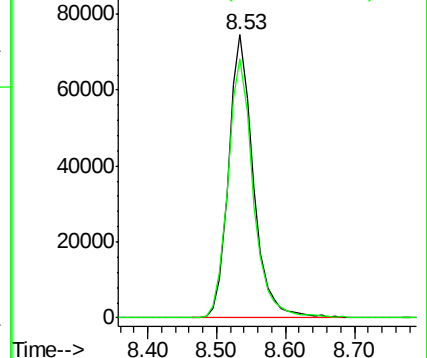
130 100

95 91.7 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.857 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

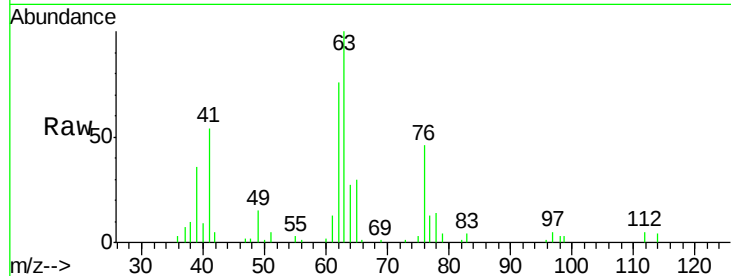
VSTDIC020

Tgt Ion: 63 Resp: 148632

Ion Ratio Lower Upper

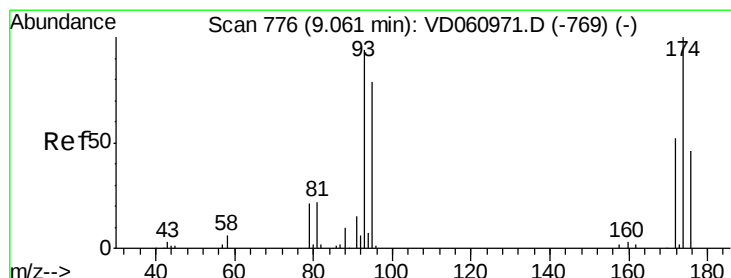
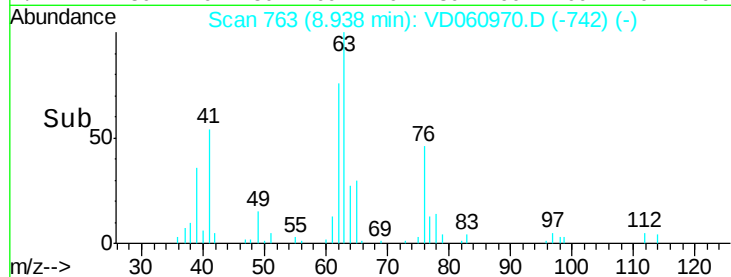
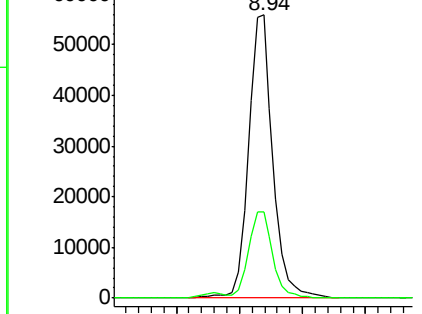
63 100

65 30.4 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: 18.749 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

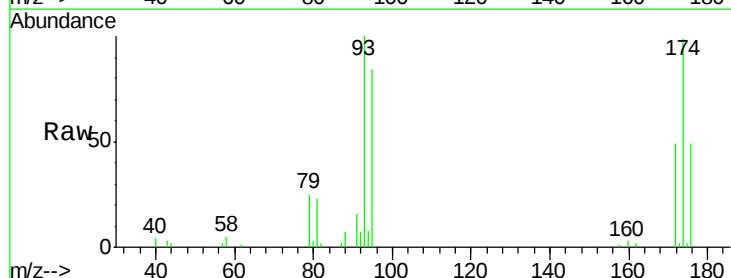
Tgt Ion: 93 Resp: 89783

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

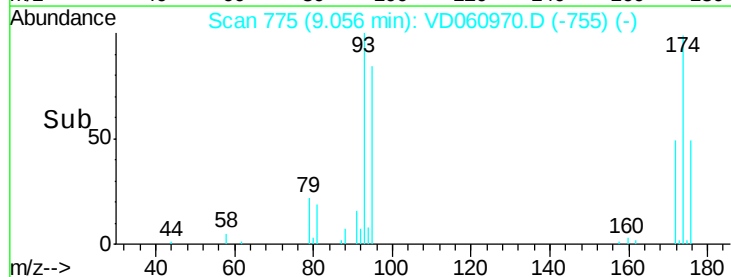
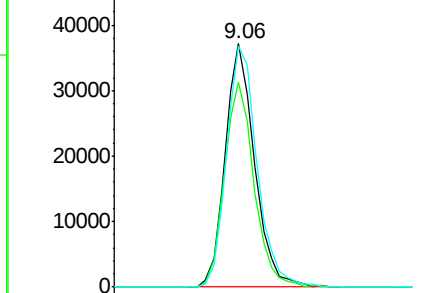
174 99.0 85.4 128.0



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: 19.062 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

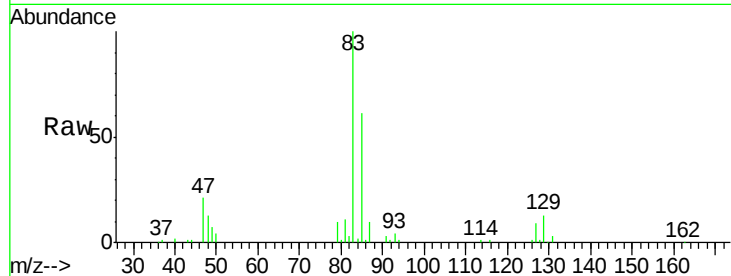
Tgt Ion: 83 Resp: 202599

Ion Ratio Lower Upper

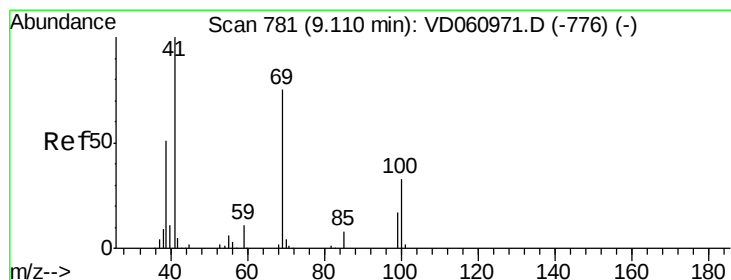
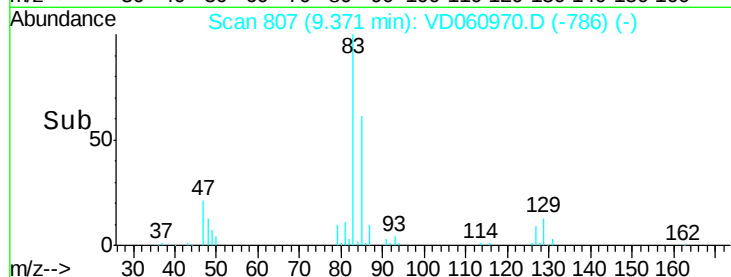
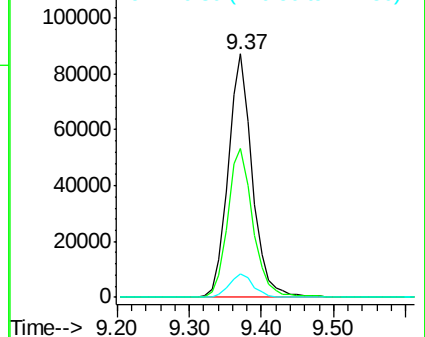
83 100

85 61.3 52.5 78.7

127 9.5 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: 17.598 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

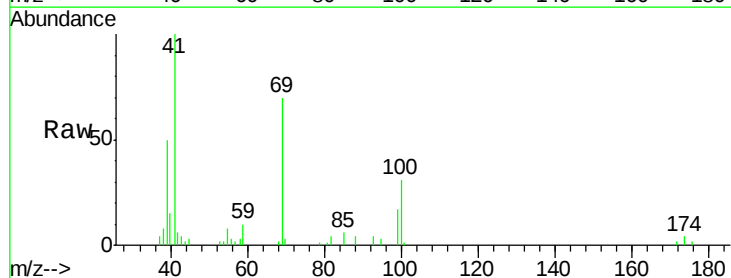
Tgt Ion: 41 Resp: 78089

Ion Ratio Lower Upper

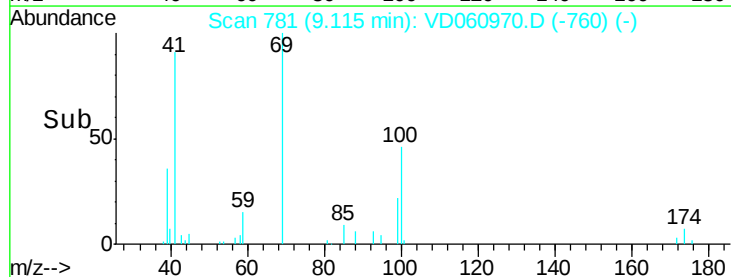
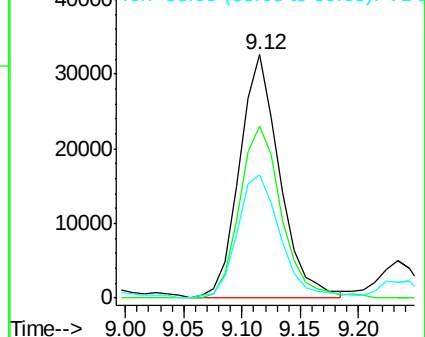
41 100

69 70.4 59.9 89.9

39 50.4 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

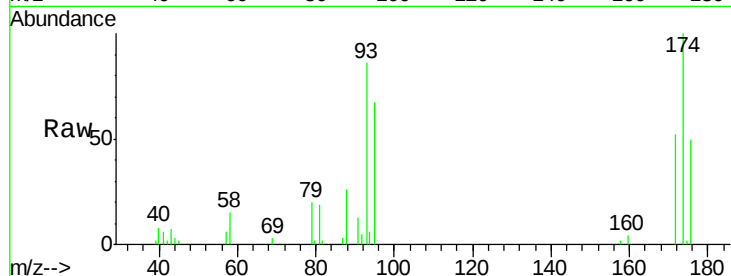




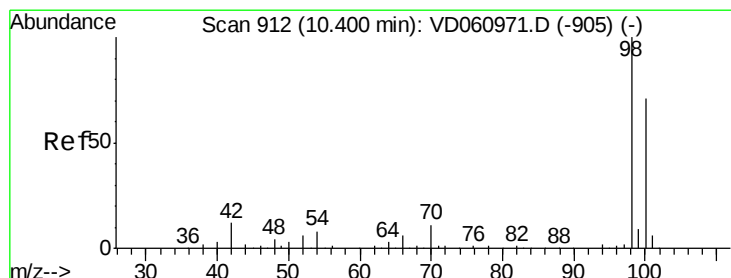
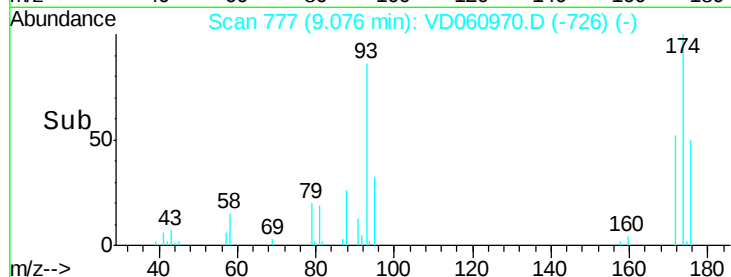
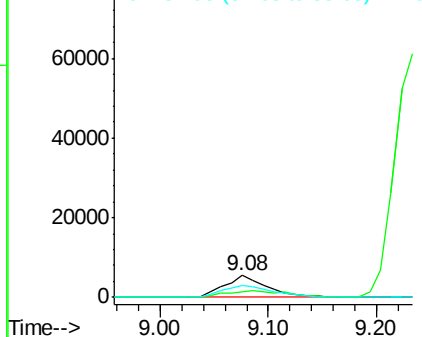
#49
1,4-Dioxane
Concen: 325.569 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 14827
Ion Ratio Lower Upper
88 100
43 25.2 21.0 31.6
58 56.6 48.6 72.8

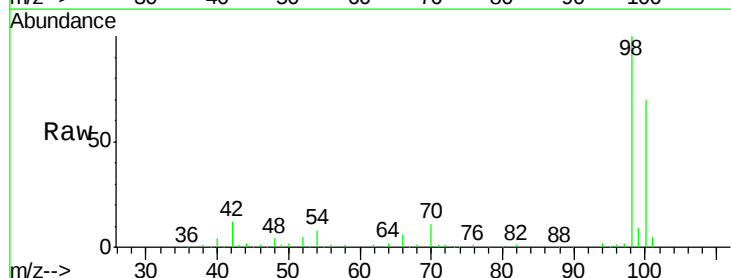


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

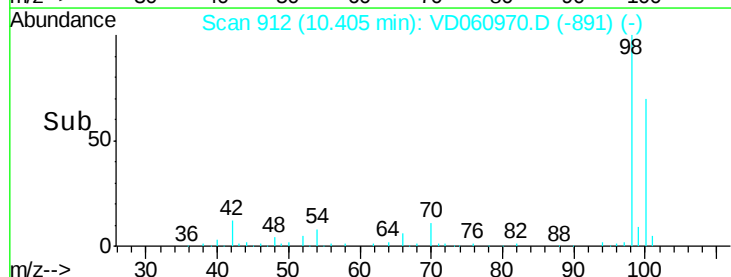
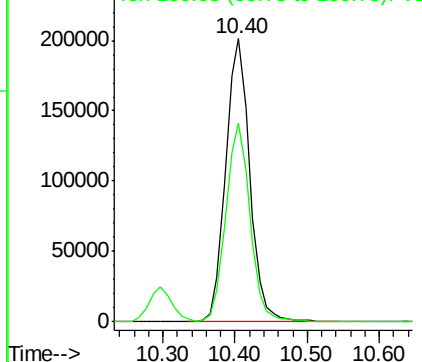


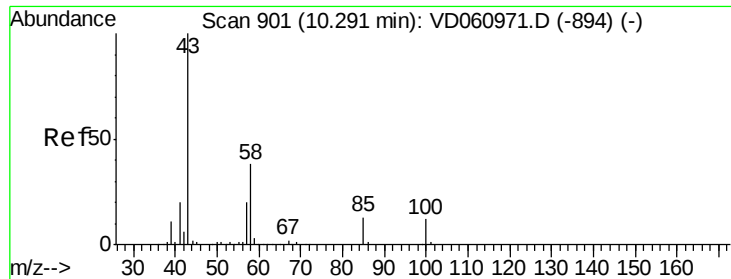
#50
Toluene-d8
Concen: 325.569 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 98 Resp: 468133
Ion Ratio Lower Upper
98 100
100 70.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

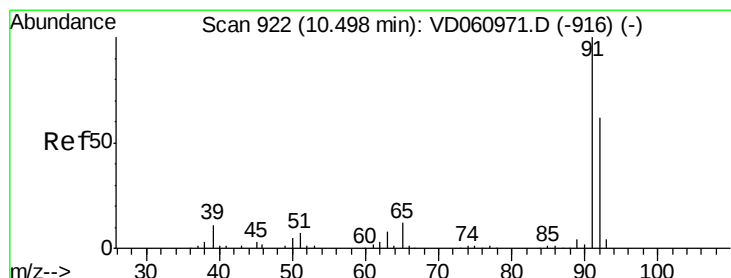
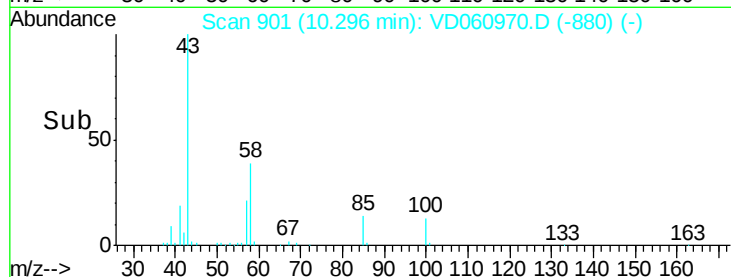
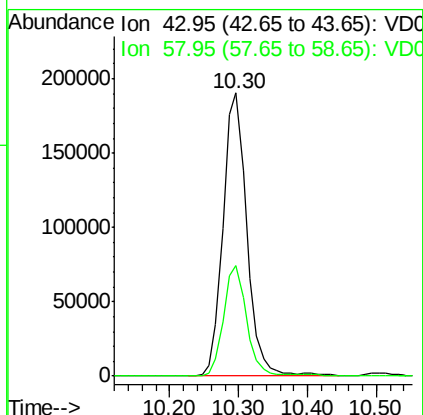
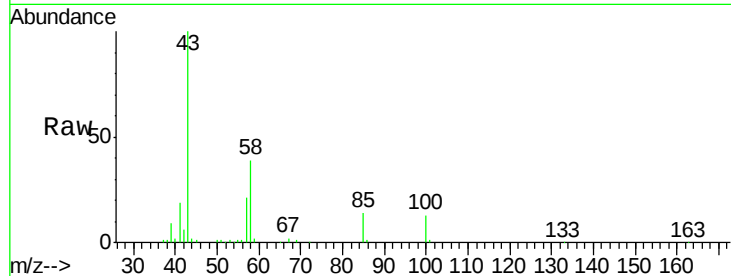




#51
 4-Methyl-2-Pentanone
 Concen: 95.196 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

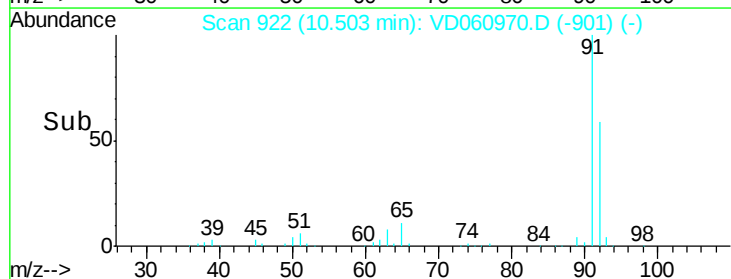
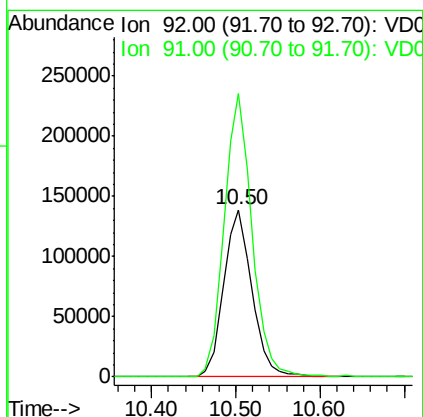
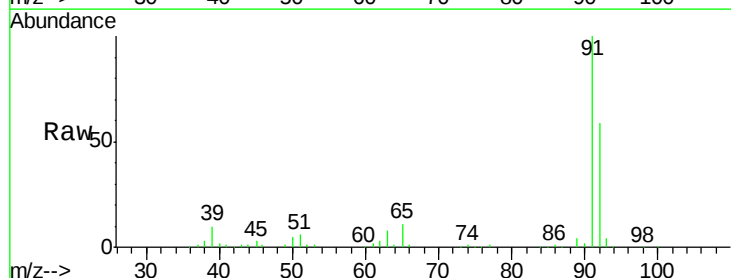
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

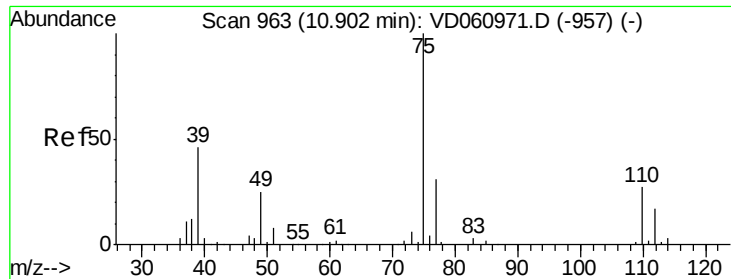
Tgt Ion: 43 Resp: 456200
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.2 45.2



#52
 Toluene
 Concen: 17.812 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion: 92 Resp: 322905
 Ion Ratio Lower Upper
 92 100
 91 169.1 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 19.447 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

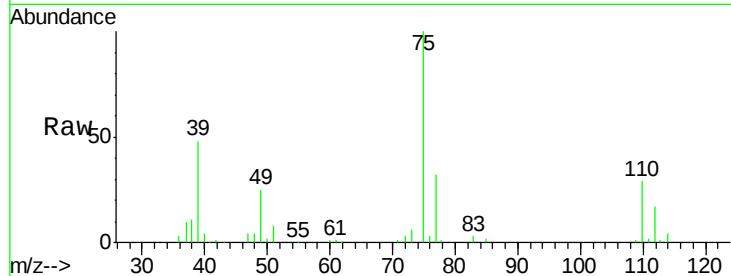
VSTDIC020

Tgt Ion: 75 Resp: 187791

Ion Ratio Lower Upper

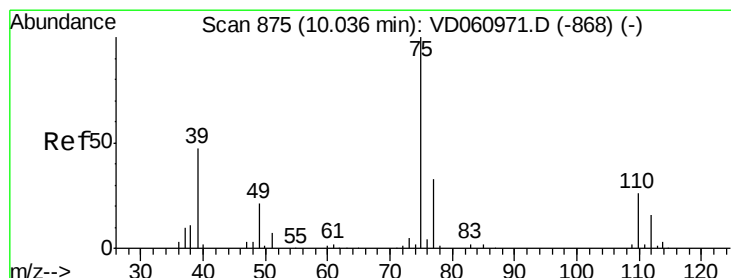
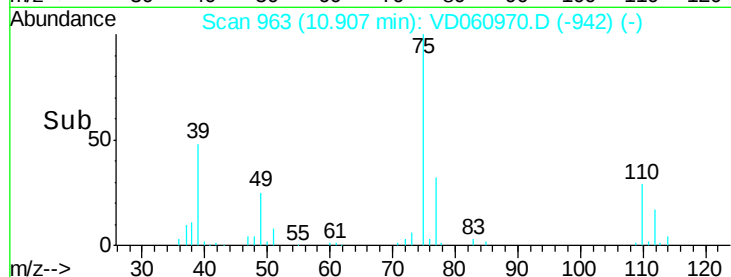
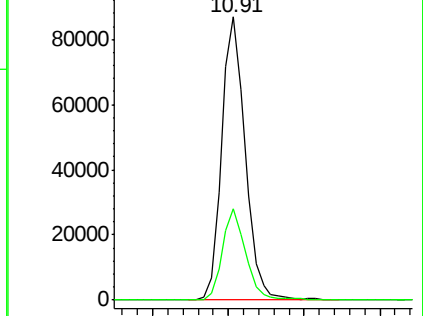
75 100

77 32.2 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: 20.097 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

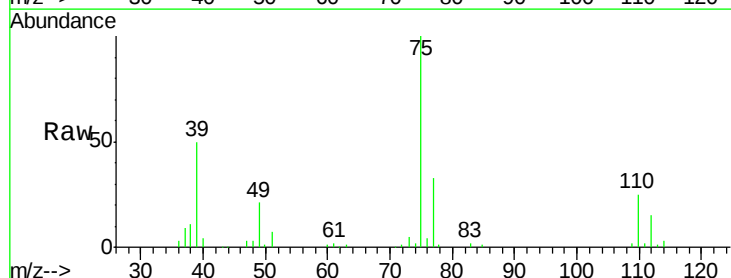
Tgt Ion: 75 Resp: 238029

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.4

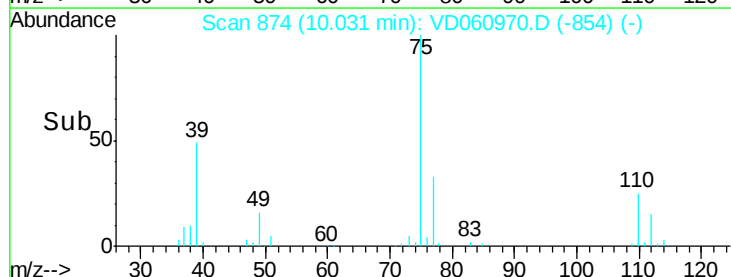
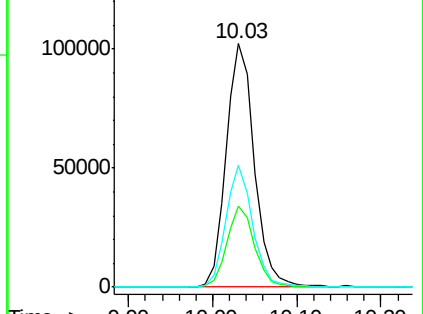
39 49.9 37.8 56.8



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

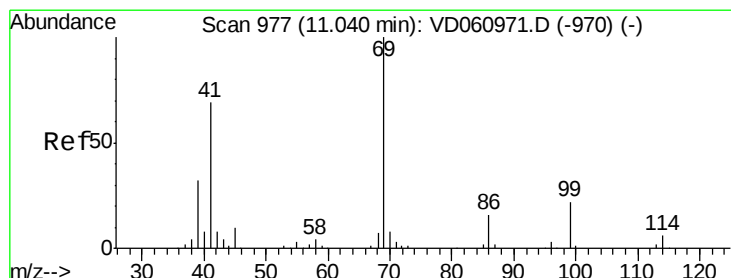
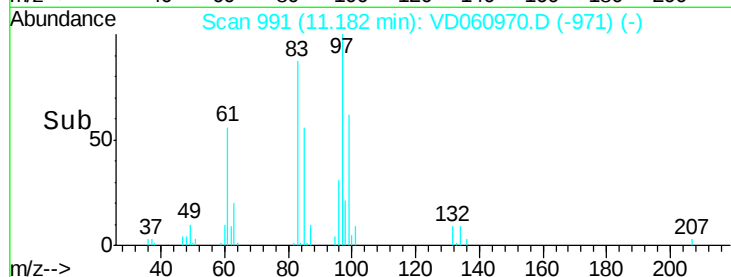
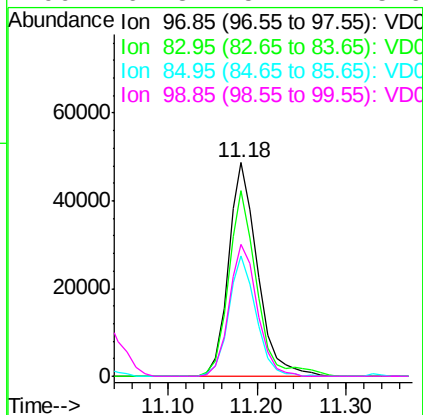
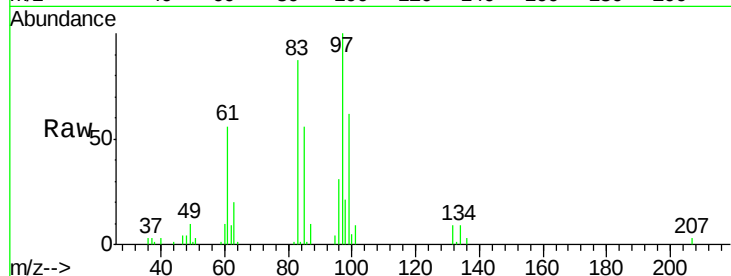




#55
 1,1,2-Trichloroethane
 Concen: 18.494 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

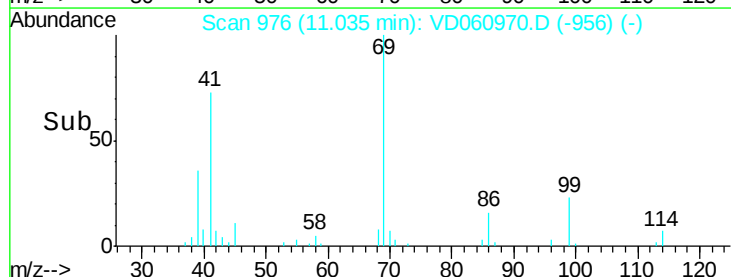
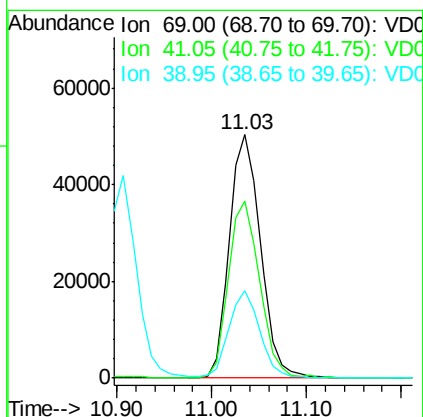
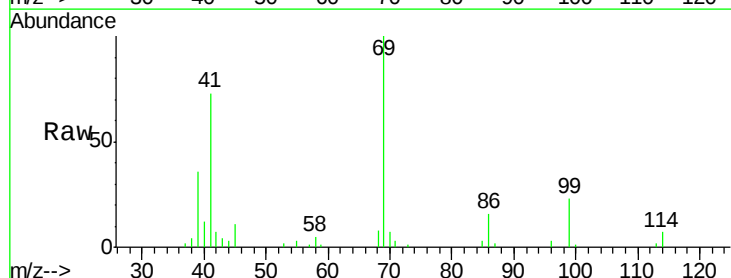
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

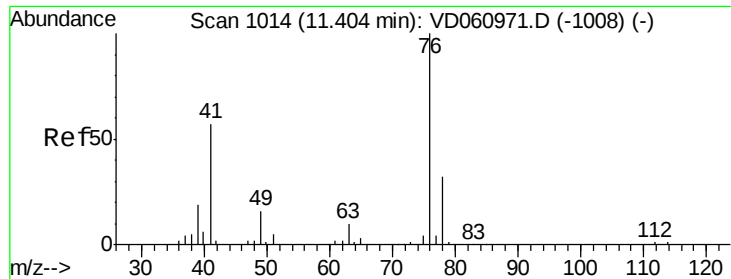
Tgt Ion:	97	Resp:	110854
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.6	100.0
85	56.2	46.4	69.6
99	61.8	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 18.203 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion:	69	Resp:	114529
Ion	Ratio	Lower	Upper
69	100		
41	72.5	55.5	83.3
39	35.9	26.2	39.2

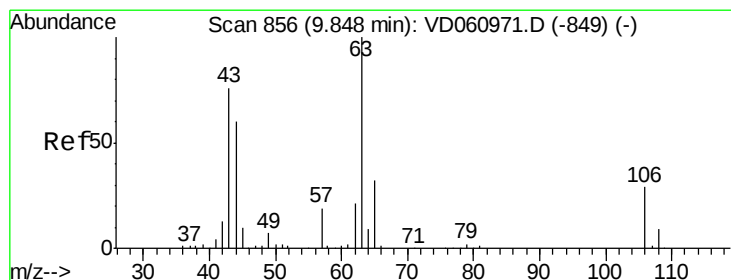
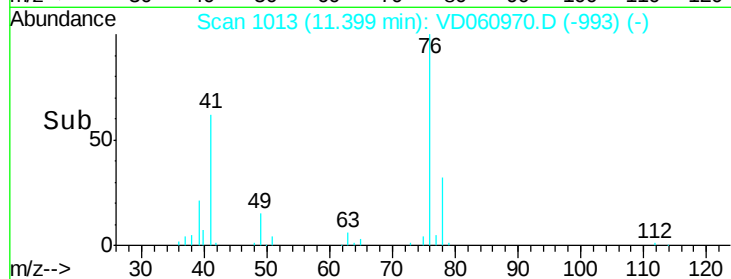
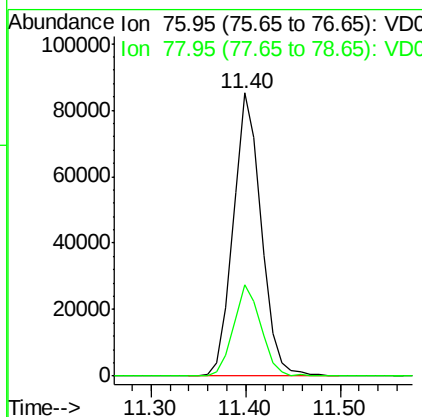
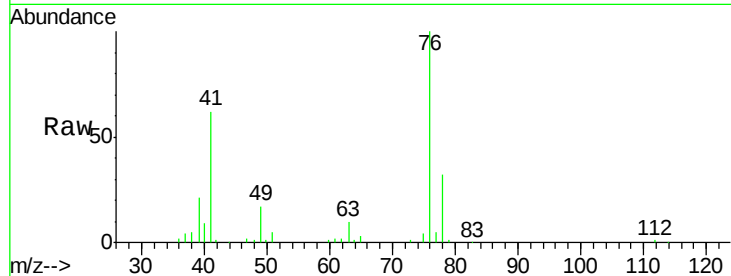




#57
 1,3-Dichloropropane
 Concen: 20.101 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

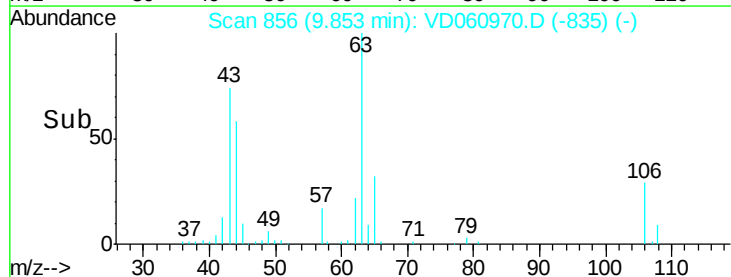
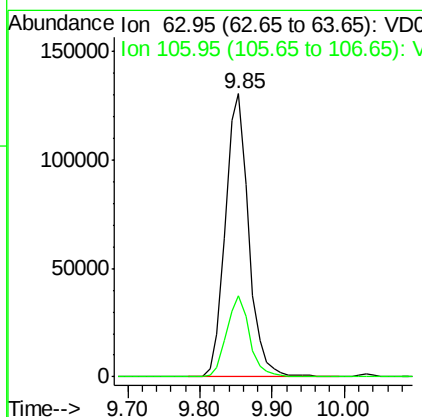
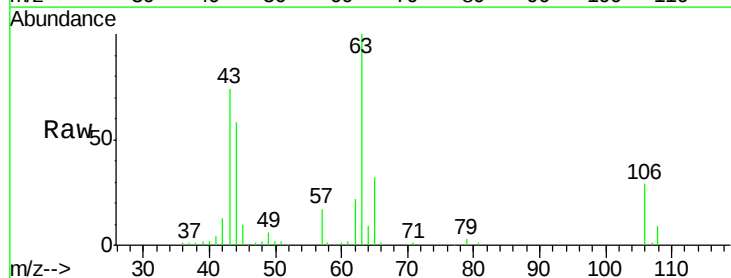
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

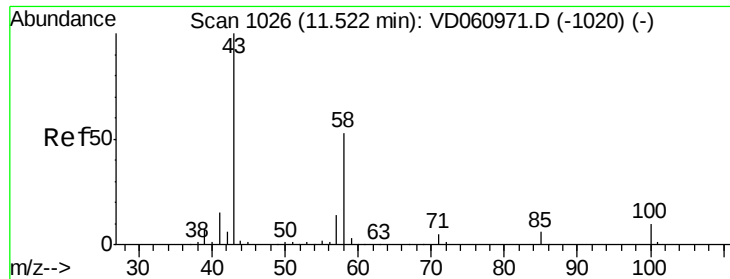
Tgt Ion: 76 Resp: 174186
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.992 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion: 63 Resp: 293059
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.8 34.2

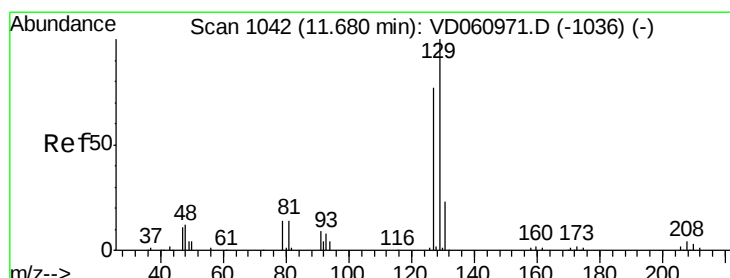
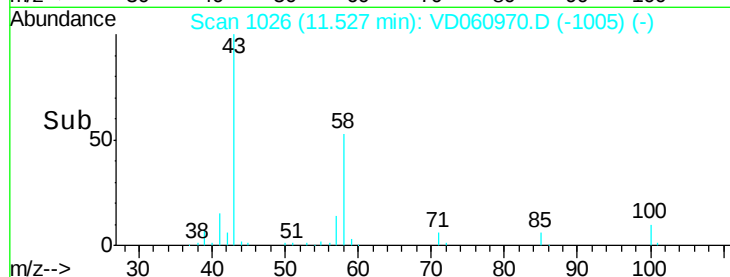
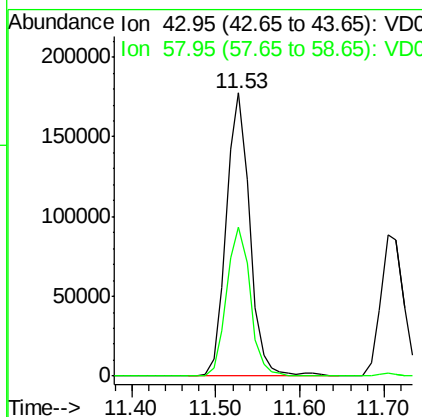
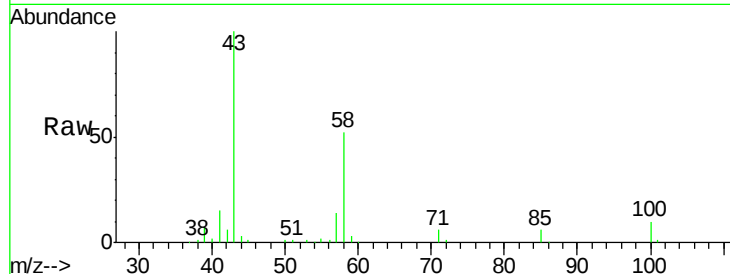




#59
2-Hexanone
Concen: 102.365 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

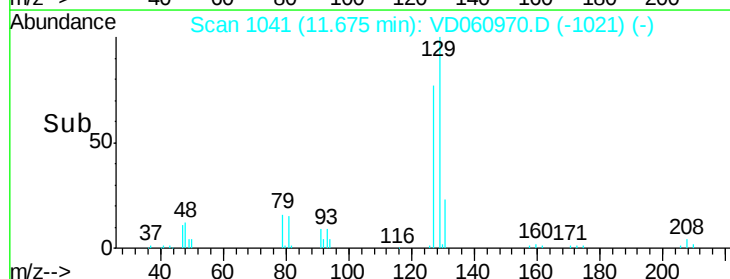
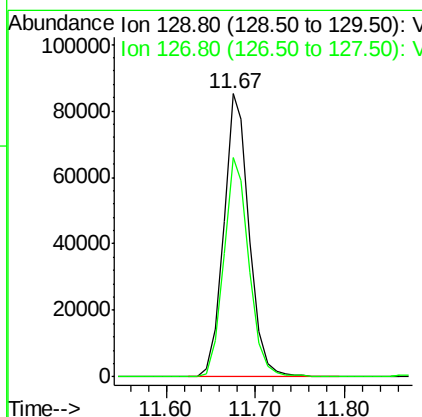
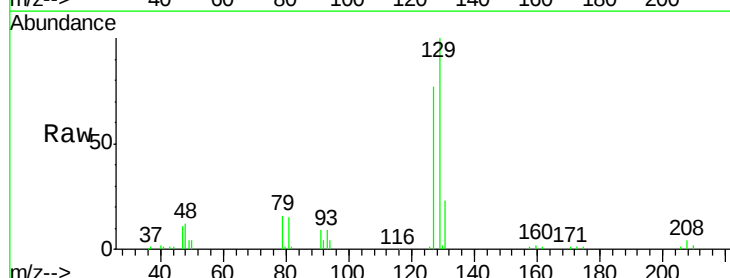
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

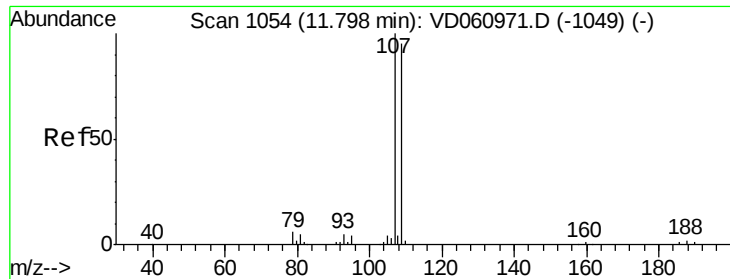
Tgt Ion: 43 Resp: 344228
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.5



#60
Dibromochloromethane
Concen: 19.672 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 129 Resp: 170362
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

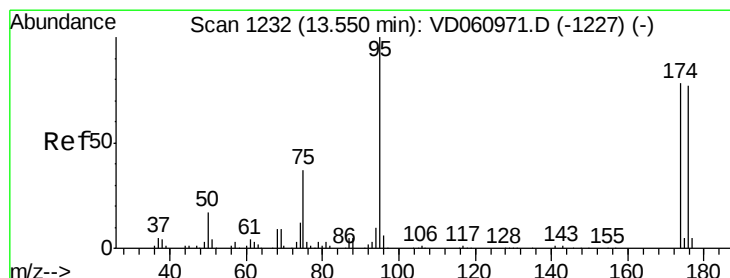
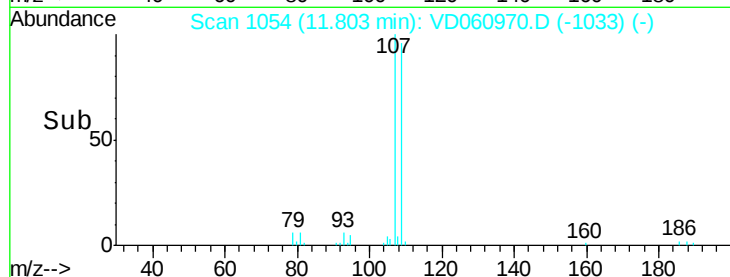
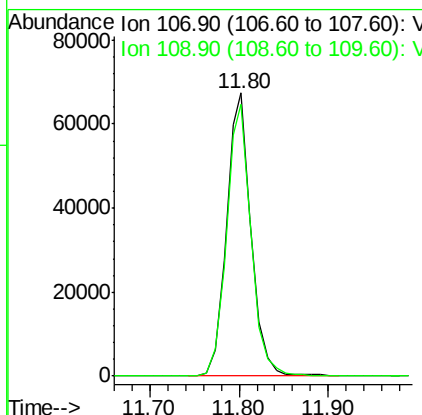
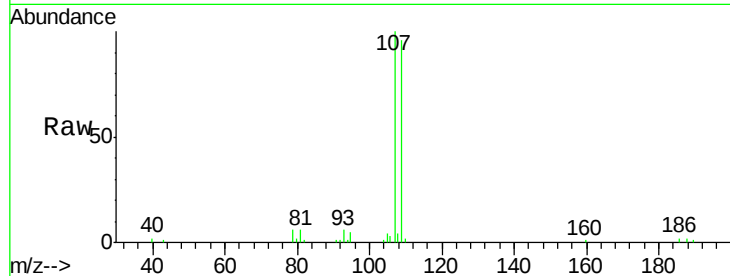




#61
1,2-Dibromoethane
Concen: 18.431 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

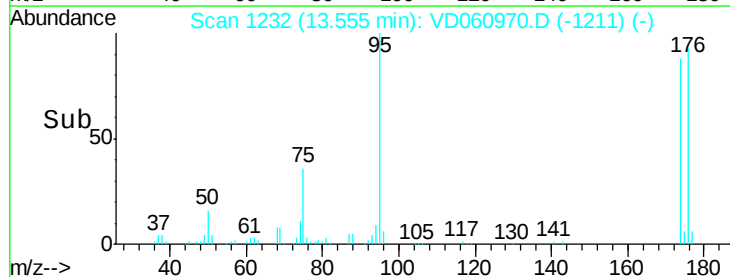
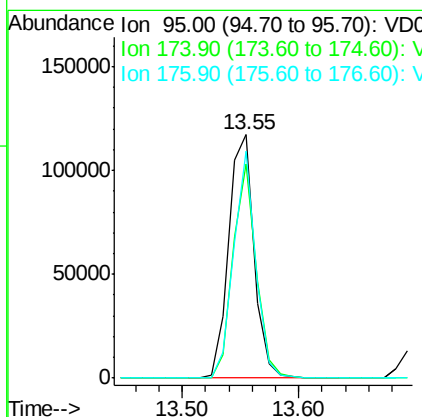
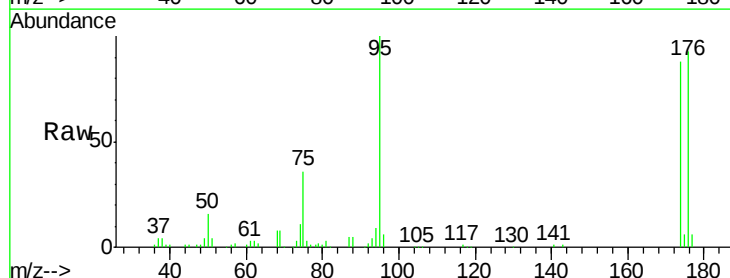
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

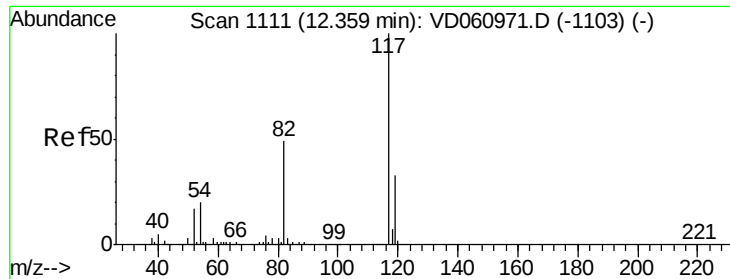
Tgt Ion: 107 Resp: 129815
Ion Ratio Lower Upper
107 100
109 96.2 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 18.431 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 95 Resp: 176727
Ion Ratio Lower Upper
95 100
174 88.2 0.0 155.6
176 93.2 0.0 153.8

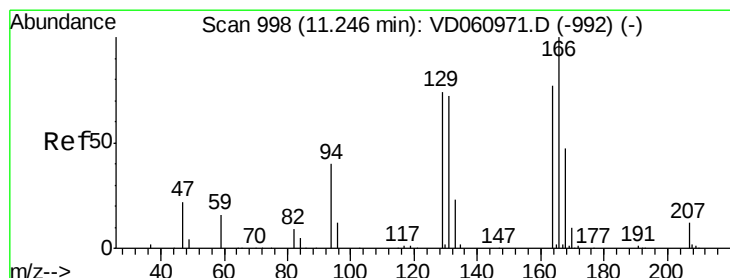
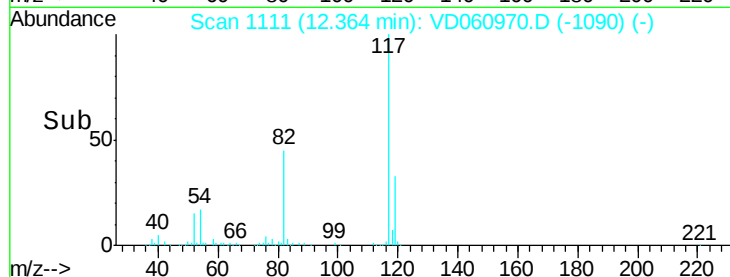
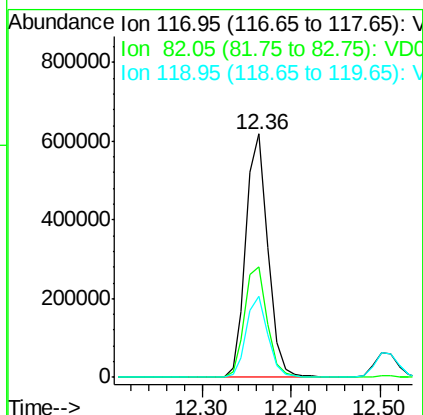
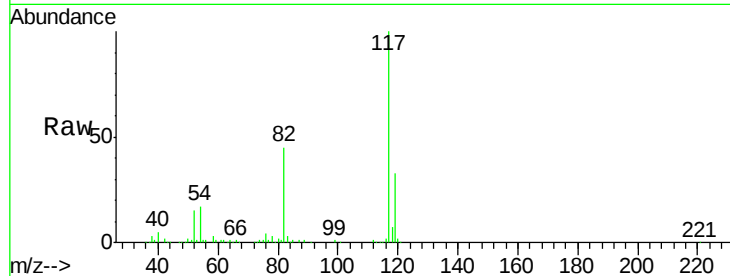




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

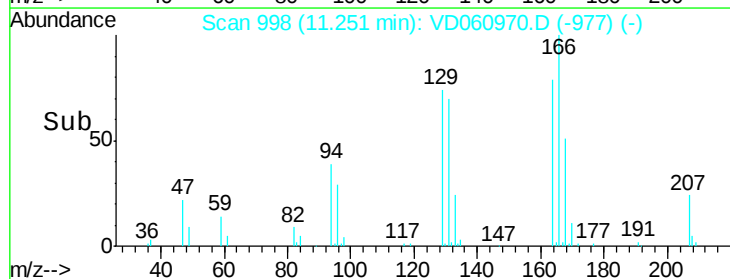
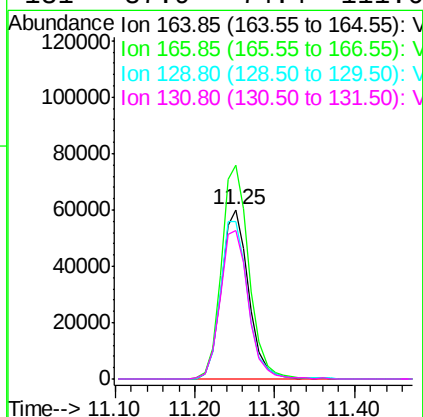
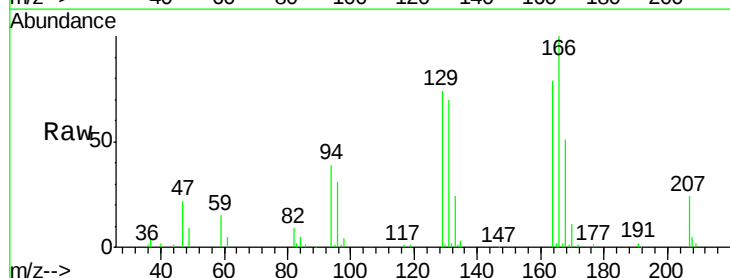
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

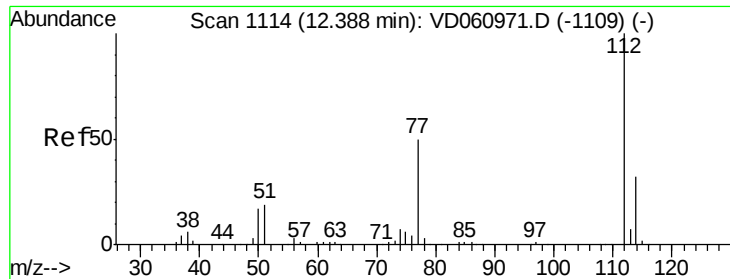
Tgt Ion:117 Resp: 1057605
Ion Ratio Lower Upper
117 100
82 45.1 38.9 58.3
119 33.1 26.6 39.8



#64
Tetrachloroethene
Concen: 18.017 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion:164 Resp: 144061
Ion Ratio Lower Upper
164 100
166 125.9 103.4 155.0
129 93.2 76.9 115.3
131 87.9 74.4 111.6

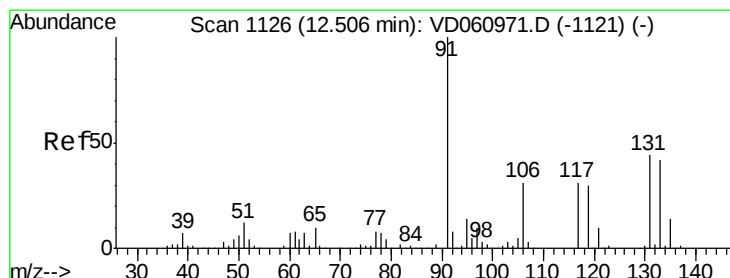
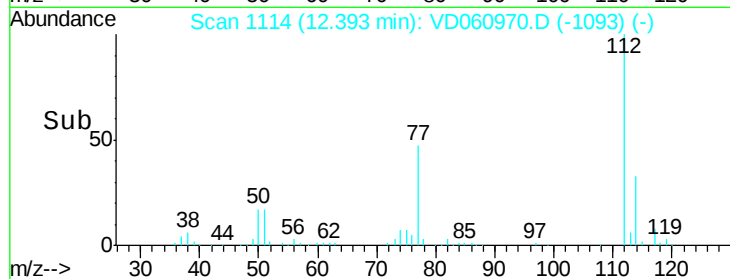
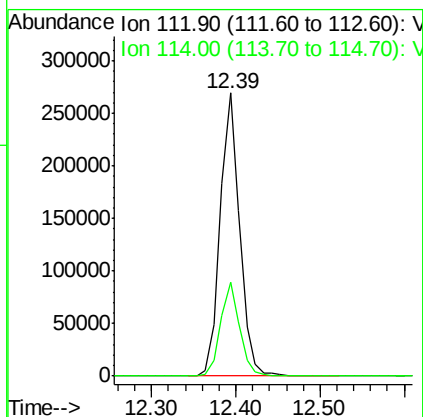
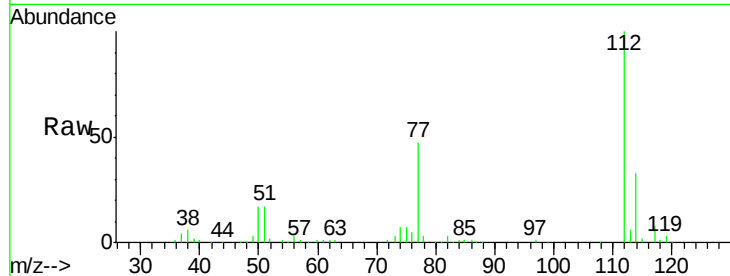




#65
Chlorobenzene
Concen: 18.656 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

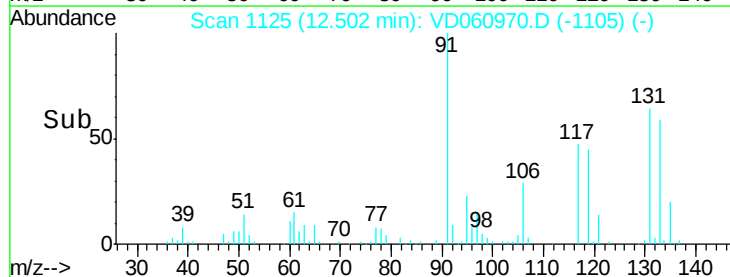
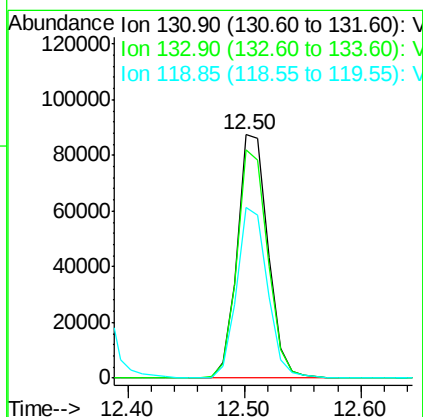
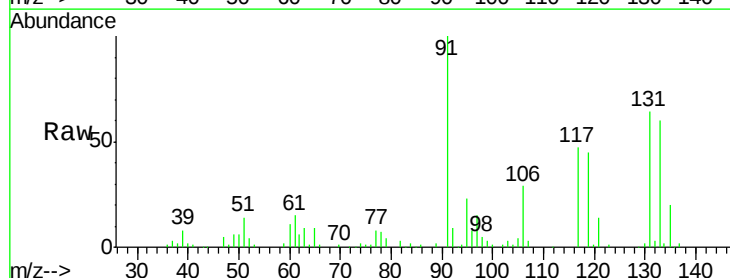
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 432103
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.161 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion:131 Resp: 160545
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 70.3 34.3 102.9

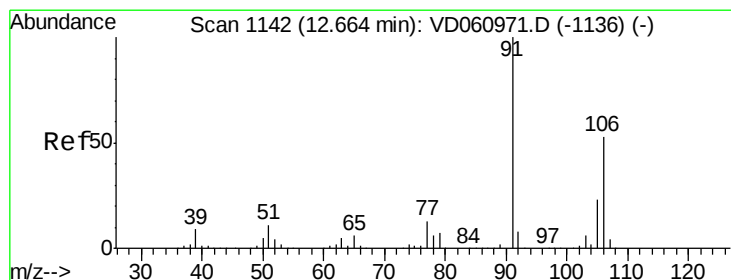
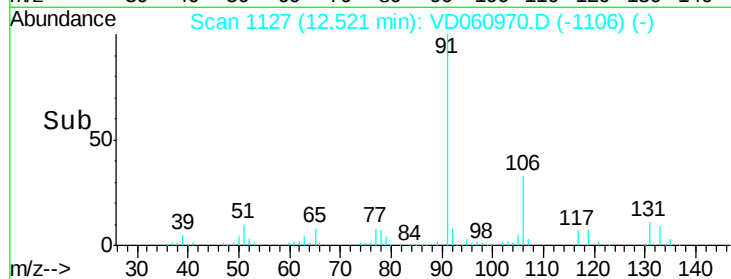
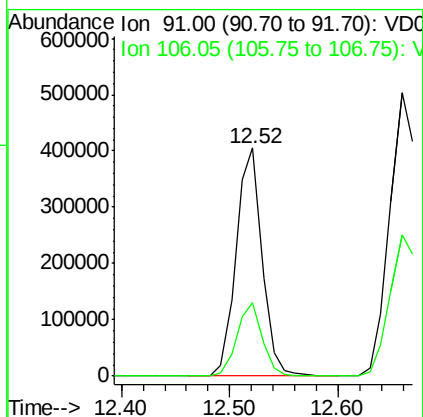
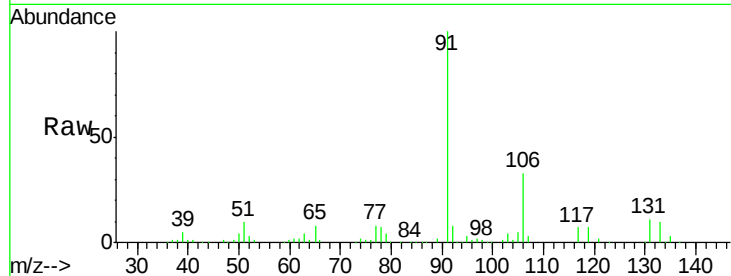




#67
Ethyl Benzene
Concen: 19.945 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

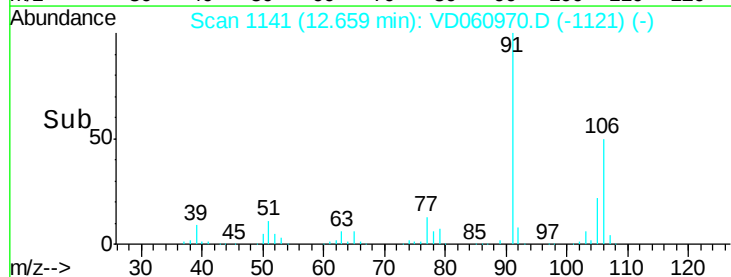
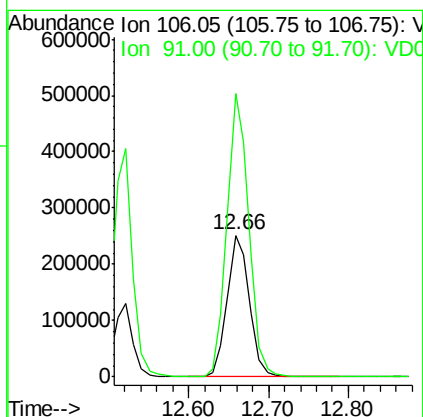
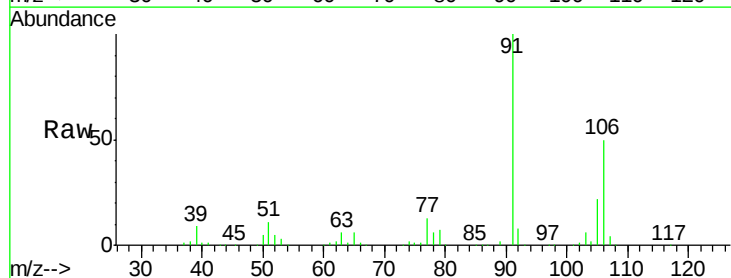
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

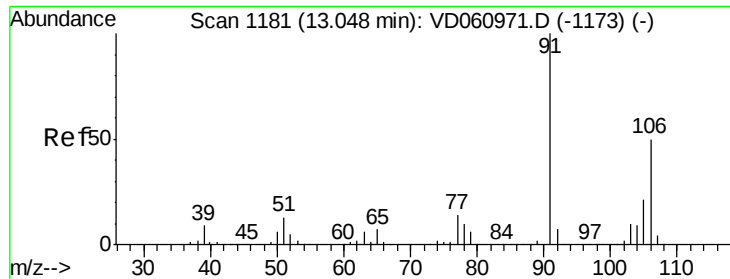
Tgt Ion: 91 Resp: 675871
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 36.524 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 106 Resp: 496347
Ion Ratio Lower Upper
106 100
91 199.7 152.0 228.0

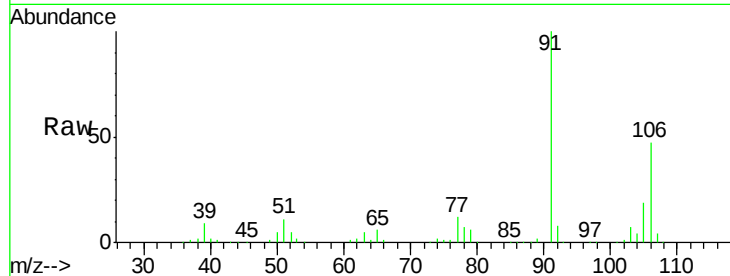




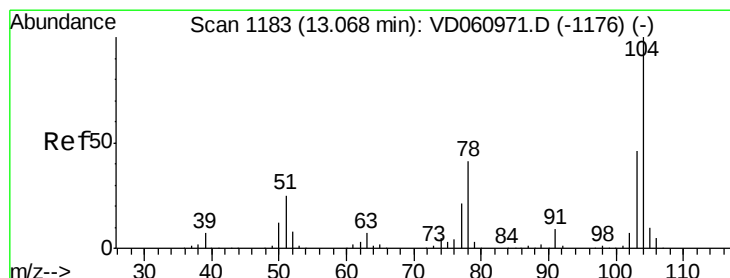
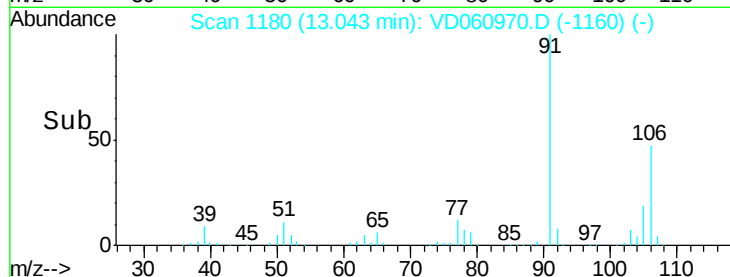
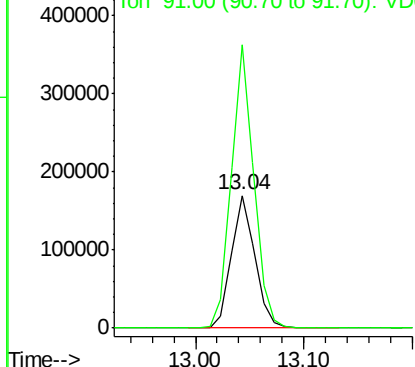
#69
o-Xylene
Concen: 20.429 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 258181
Ion Ratio Lower Upper
106 100
91 213.5 99.8 299.3

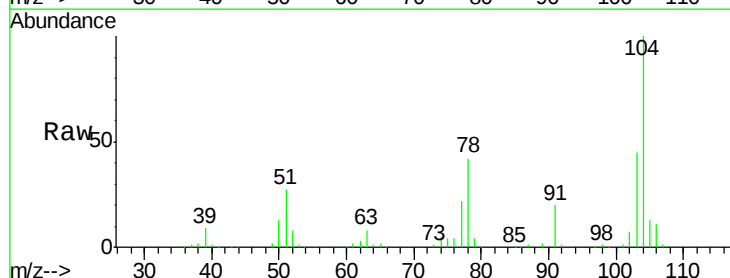


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

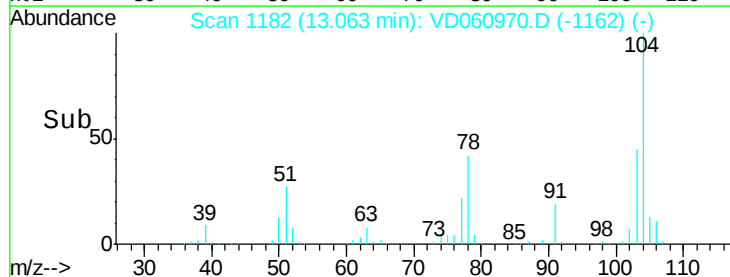
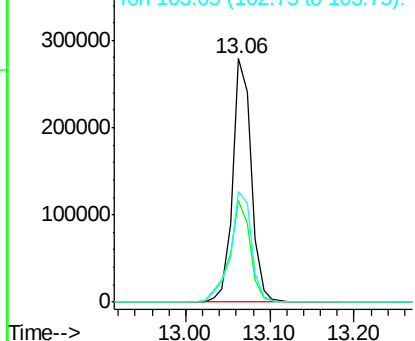


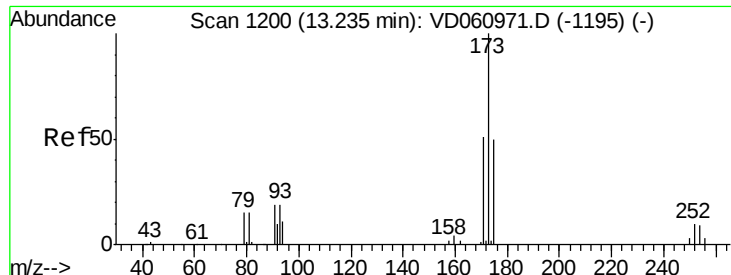
#70
Styrene
Concen: 20.268 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion:104 Resp: 427534
Ion Ratio Lower Upper
104 100
78 41.9 33.0 49.4
103 45.2 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: 18.543 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

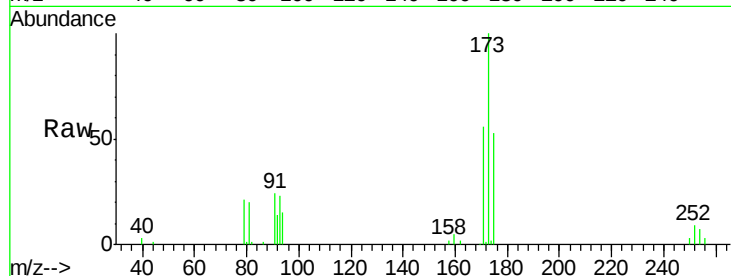
Tgt Ion:173 Resp: 97777

Ion Ratio Lower Upper

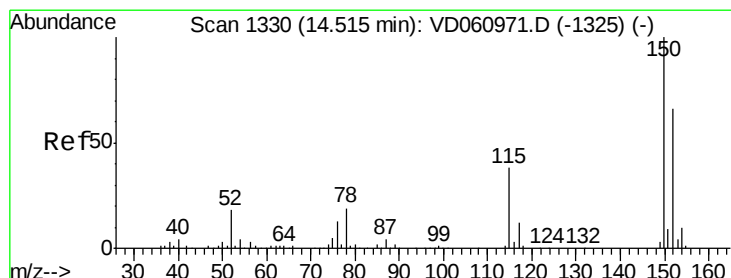
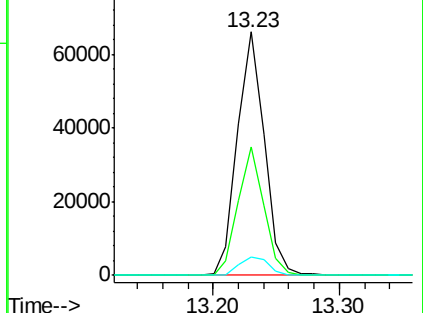
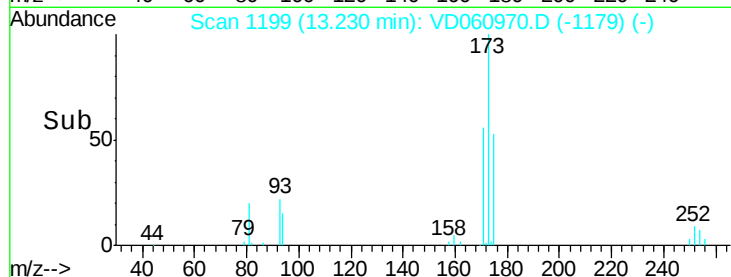
173 100

175 52.9 24.9 74.8

254 7.4 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

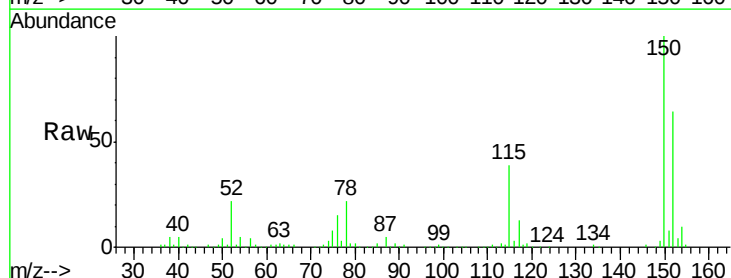
Tgt Ion:152 Resp: 438574

Ion Ratio Lower Upper

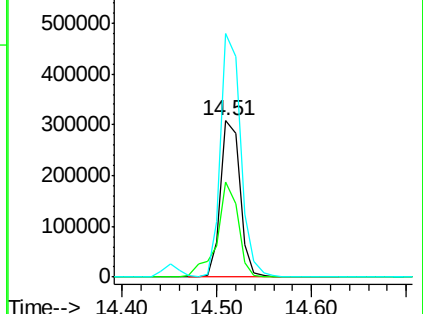
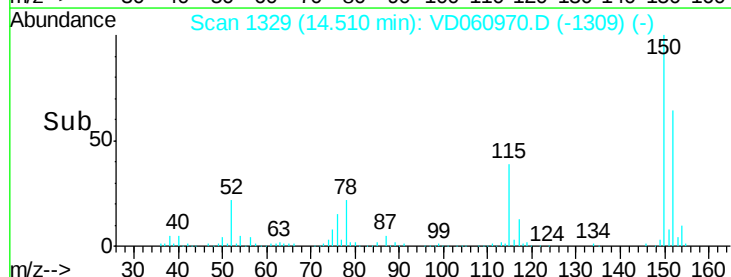
152 100

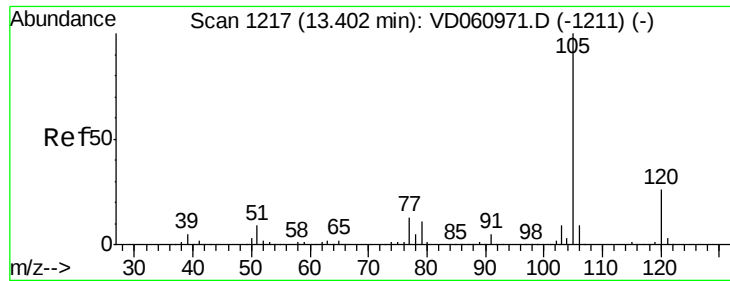
115 61.4 28.6 85.9

150 156.0 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.762 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

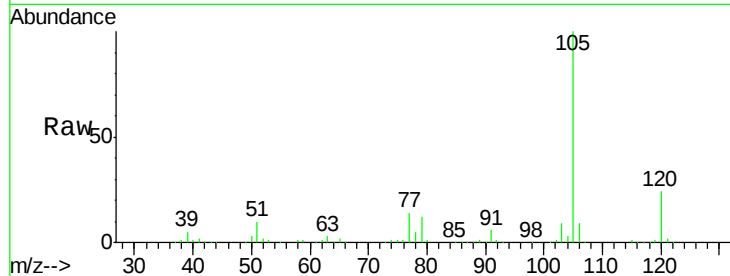
VSTDIC020

Tgt Ion:105 Resp: 695924

Ion Ratio Lower Upper

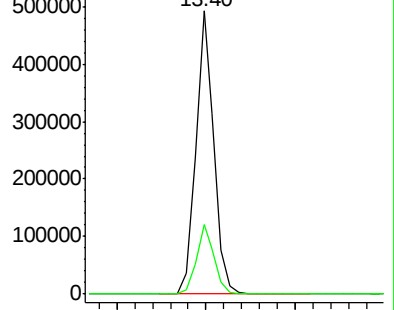
105 100

120 24.5 12.8 38.4

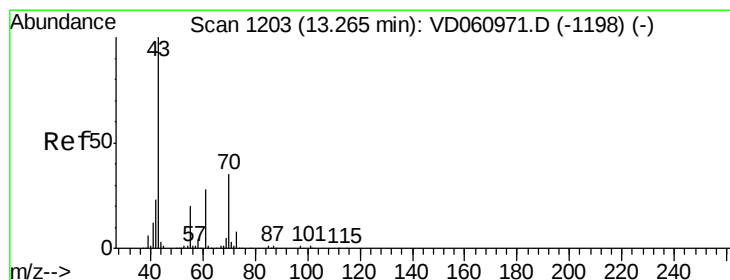
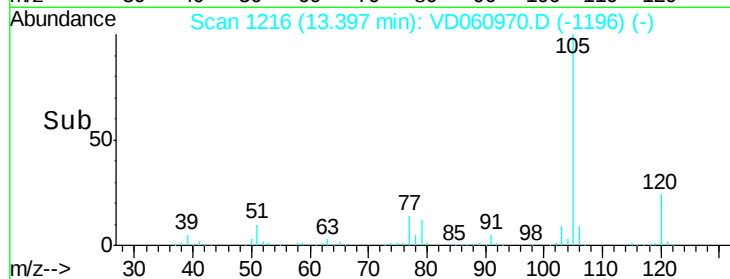


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.818 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Tgt Ion: 43 Resp: 190678

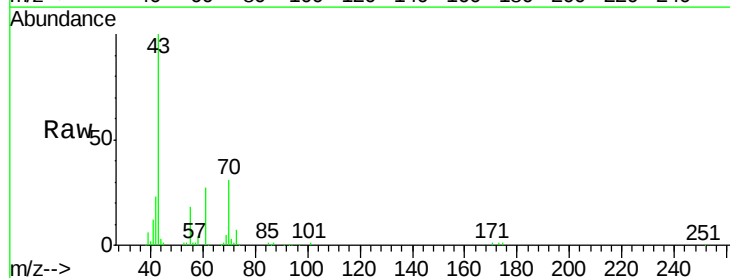
Ion Ratio Lower Upper

43 100

70 30.8 27.7 41.5

55 18.1 16.2 24.2

61 27.5 22.3 33.5

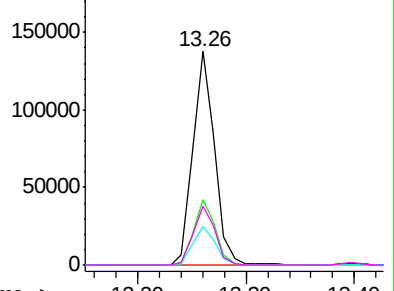


Abundance Ion 42.95 (42.65 to 43.65): V

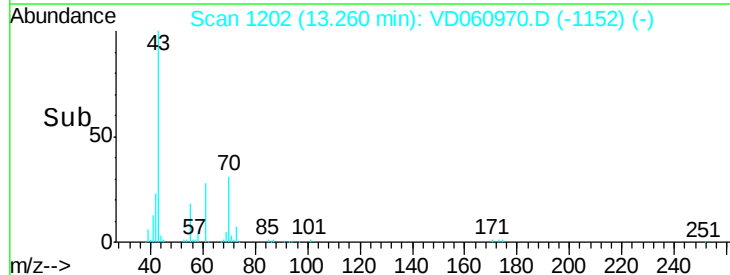
Ion 70.00 (69.70 to 70.70): V

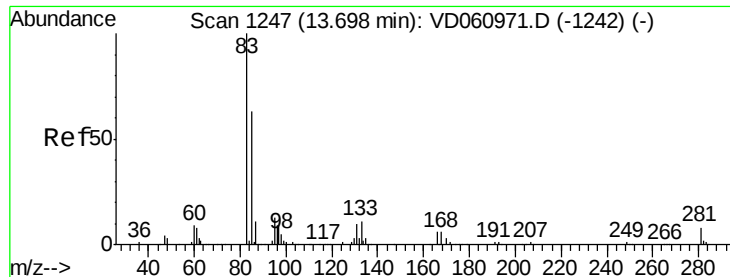
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 18.714 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

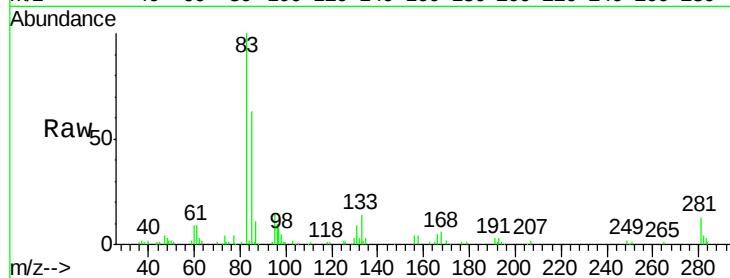
Tgt Ion: 83 Resp: 130176

Ion Ratio Lower Upper

83 100

131 9.1 5.1 15.3

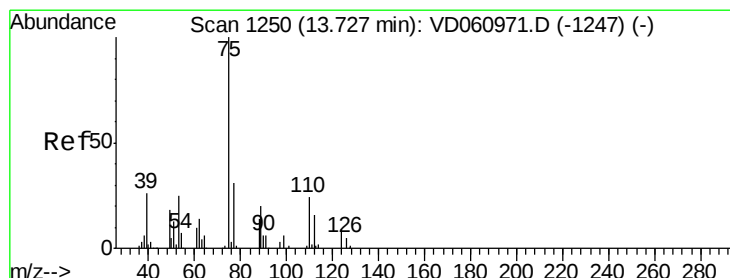
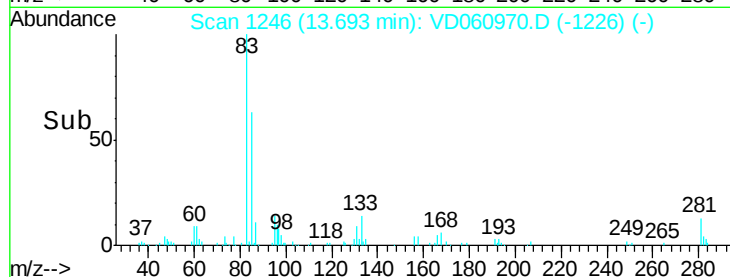
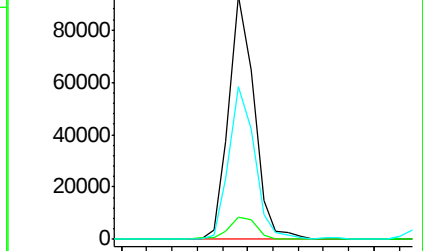
85 62.9 31.5 94.5



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: 18.393 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060970.D

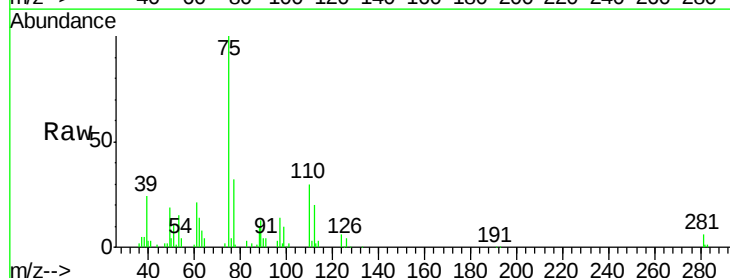
Acq: 7 Mar 2019 16:03

Tgt Ion: 75 Resp: 130029

Ion Ratio Lower Upper

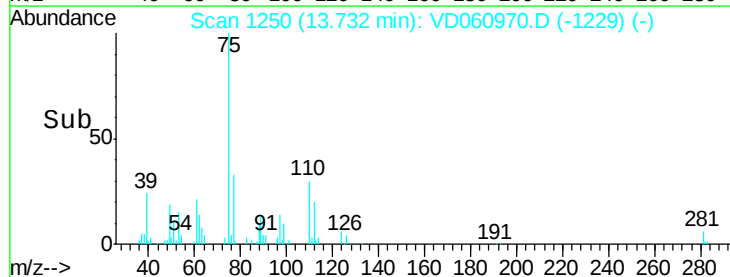
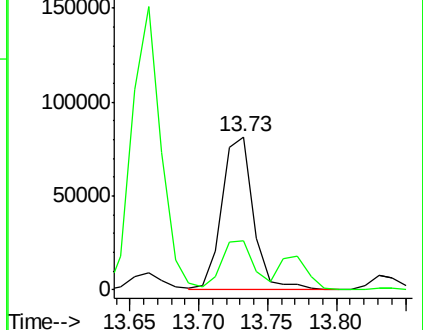
75 100

77 32.5 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: 18.760 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

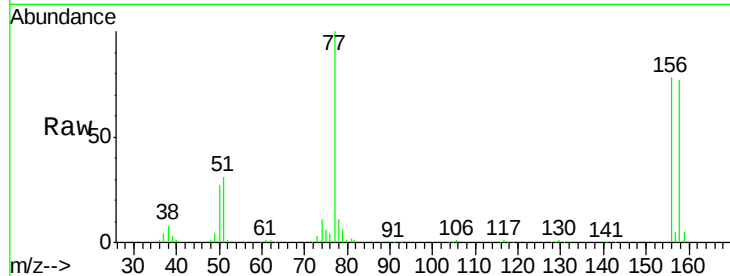
Tgt Ion:156 Resp: 165252

Ion Ratio Lower Upper

156 100

77 127.8 55.5 166.7

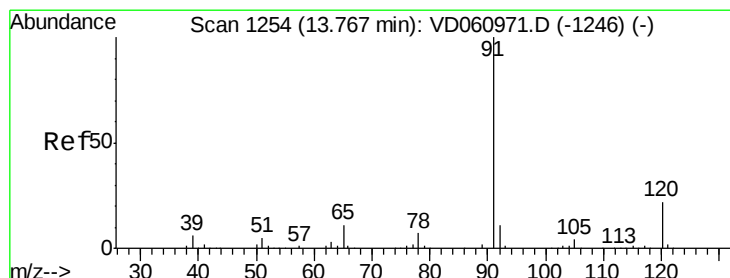
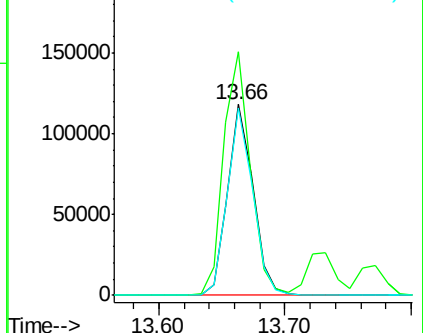
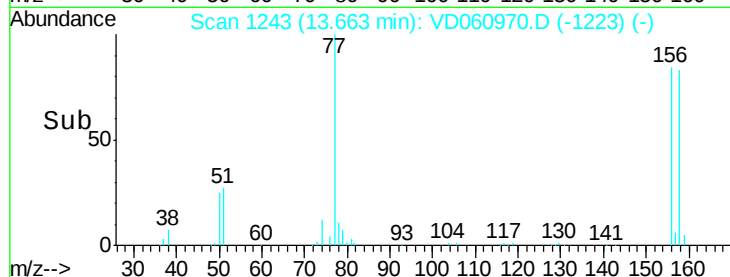
158 98.4 49.0 147.0



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: 19.748 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060970.D

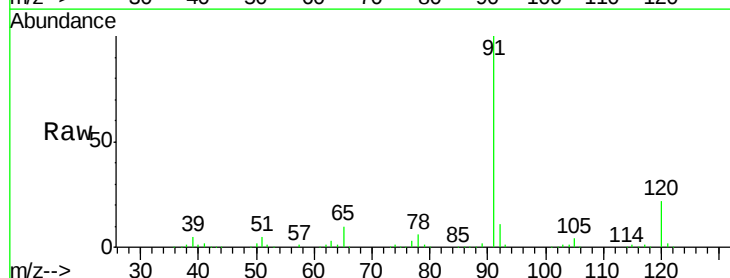
Acq: 7 Mar 2019 16:03

Tgt Ion: 91 Resp: 772713

Ion Ratio Lower Upper

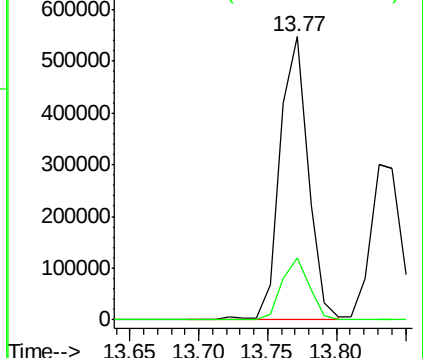
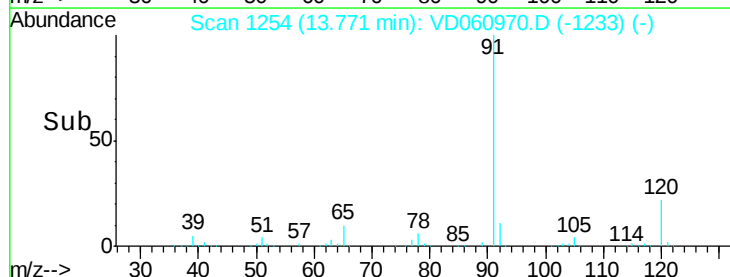
91 100

120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

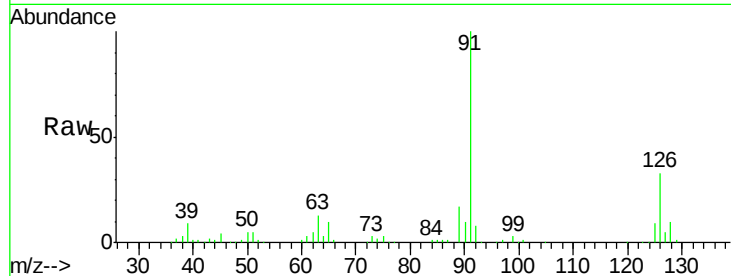




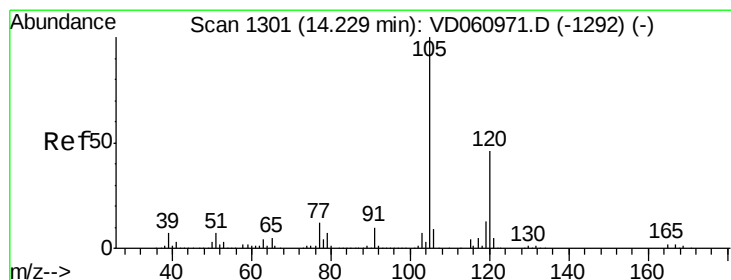
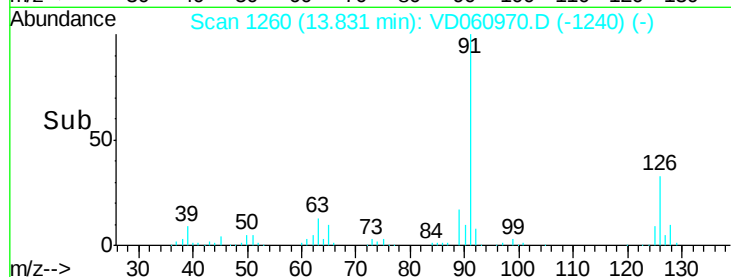
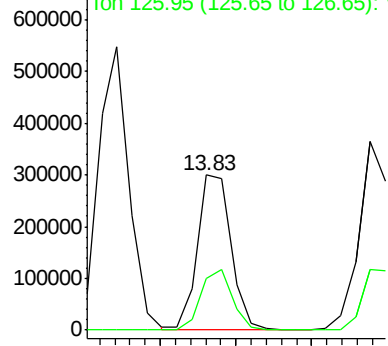
#79
 2-Chlorotoluene
 Concen: 21.047 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 460935
 Ion Ratio Lower Upper
 91 100
 126 33.0 18.6 55.6

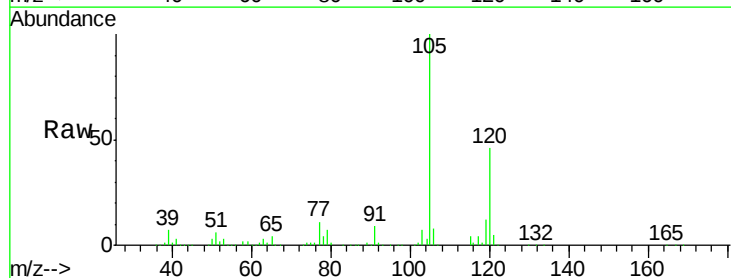


Abundance Ion 91.00 (90.70 to 91.70): VD060970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060970.D (-1258) (-)

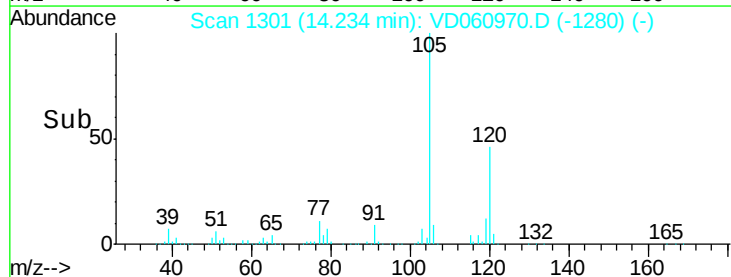
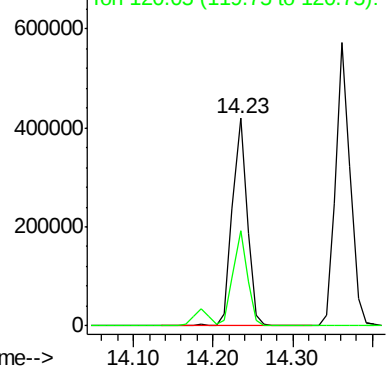


#80
 1,3,5-Trimethylbenzene
 Concen: 20.622 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion: 105 Resp: 534082
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060970.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD060970.D (-1292) (-)

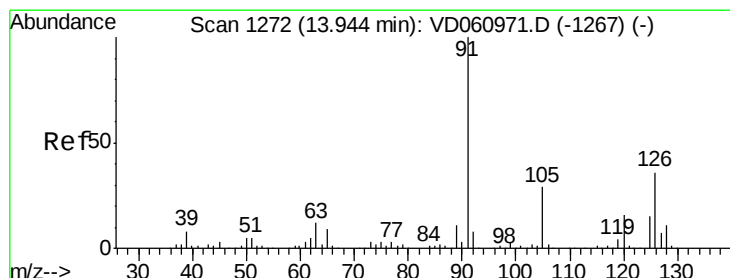
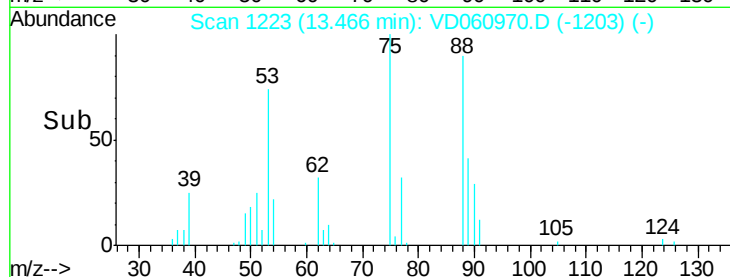
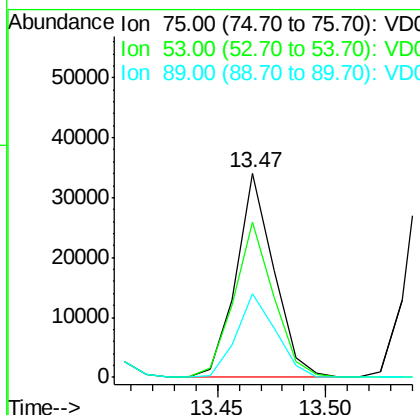
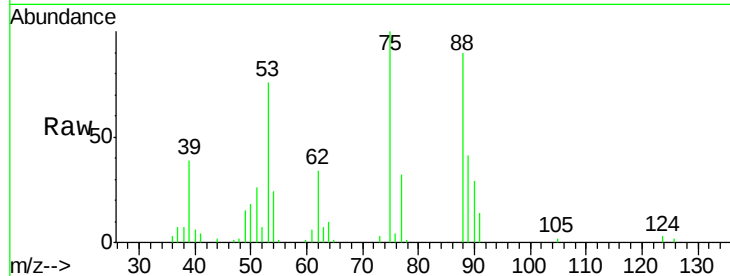




#81
trans-1,4-Dichloro-2-butene
Concen: 19.888 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

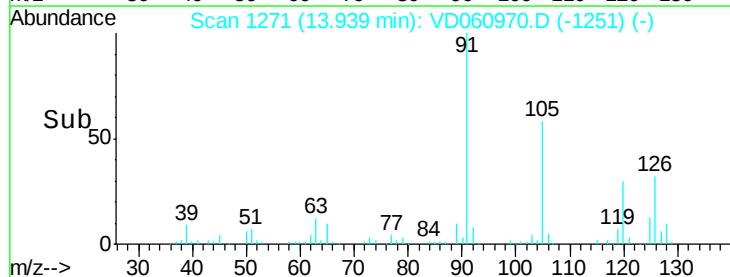
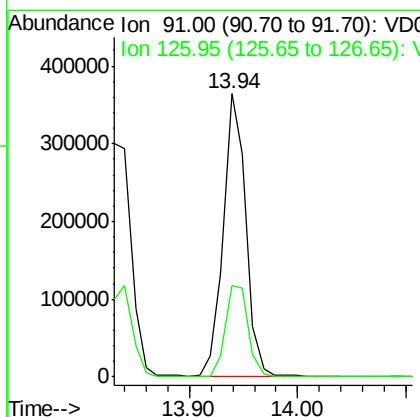
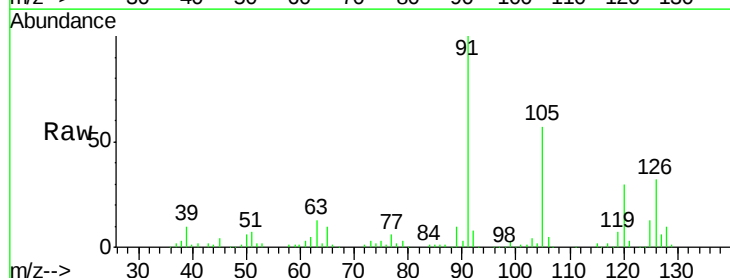
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

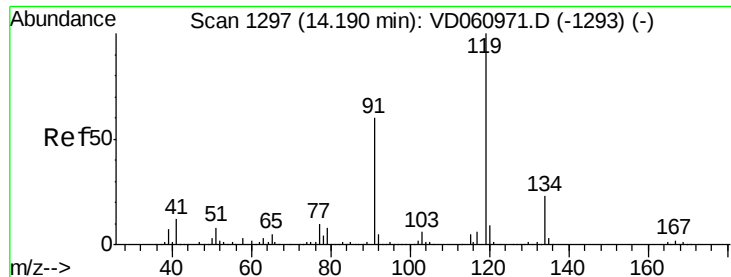
Tgt Ion: 75 Resp: 41447
Ion Ratio Lower Upper
75 100
53 75.7 64.4 96.6
89 40.8 34.8 52.2



#82
4-Chlorotoluene
Concen: 21.324 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD060970.D
Acq: 7 Mar 2019 16:03

Tgt Ion: 91 Resp: 524484
Ion Ratio Lower Upper
91 100
126 32.3 18.0 54.0

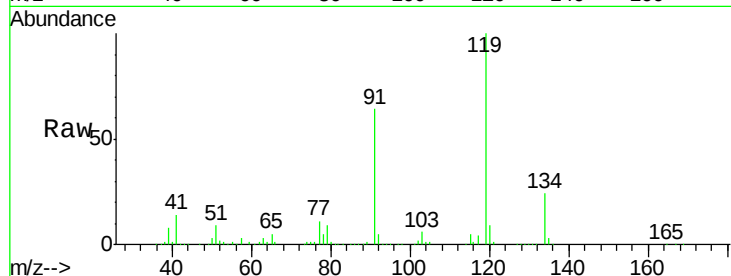




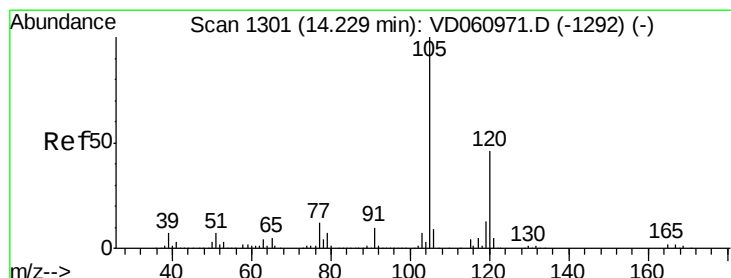
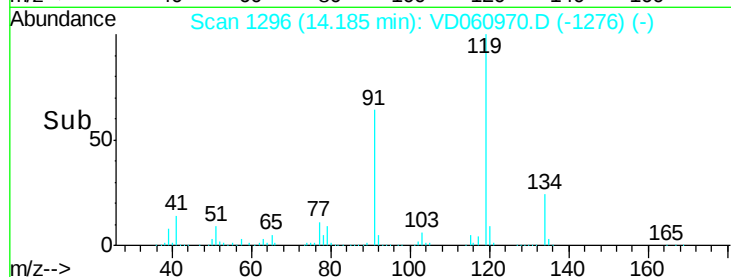
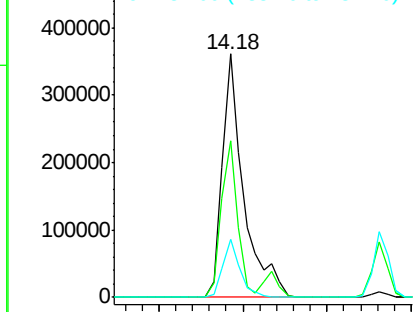
#83
 tert-Butylbenzene
 Concen: 22.181 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 639498
 Ion Ratio Lower Upper
 119 100
 91 64.2 30.1 90.3
 134 24.0 11.6 34.7

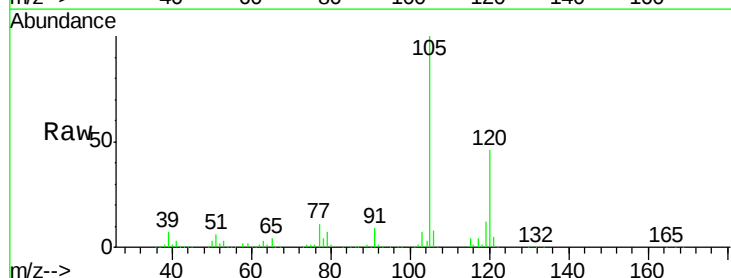


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

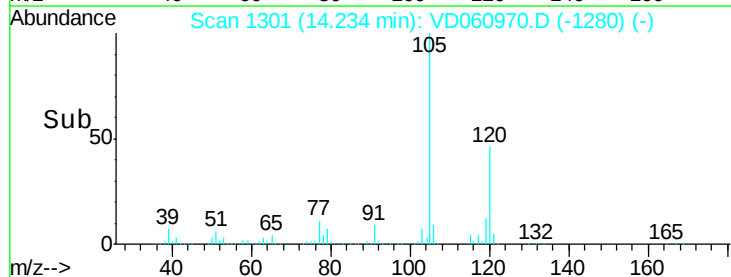
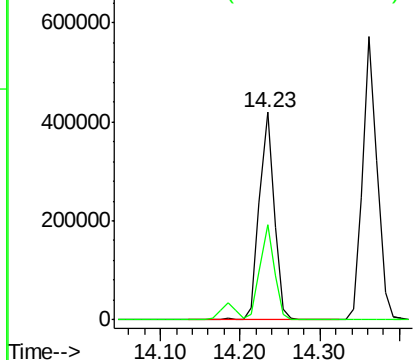


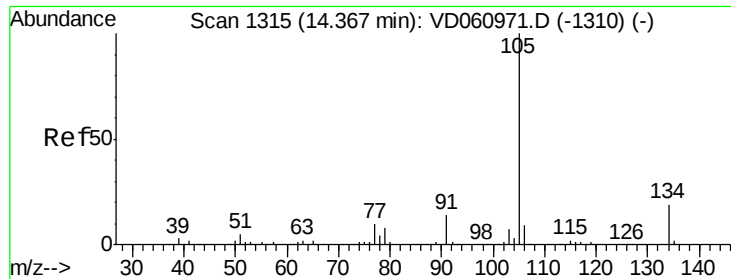
#84
 1,2,4-Trimethylbenzene
 Concen: 20.622 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion:105 Resp: 534082
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

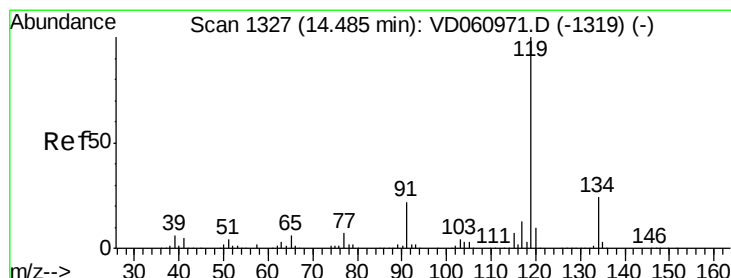
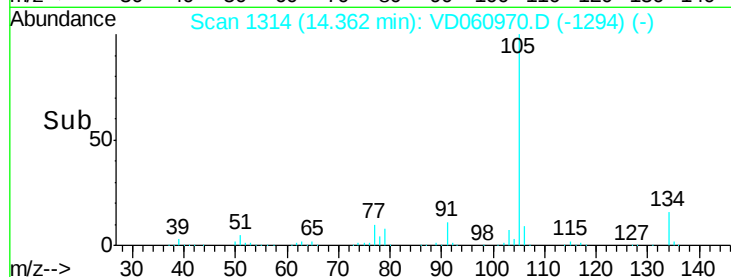
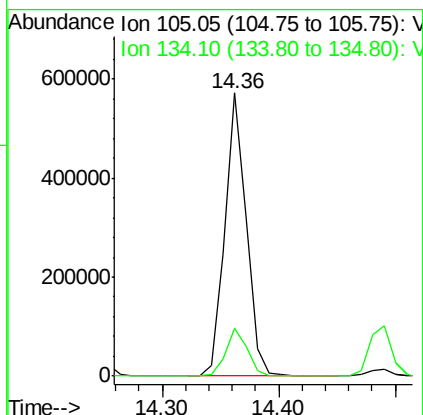
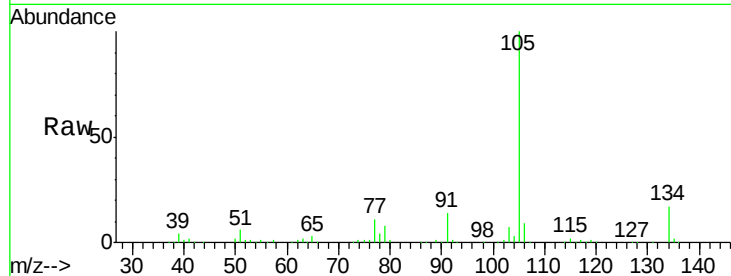




#85
 sec-Butylbenzene
 Concen: 21.567 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

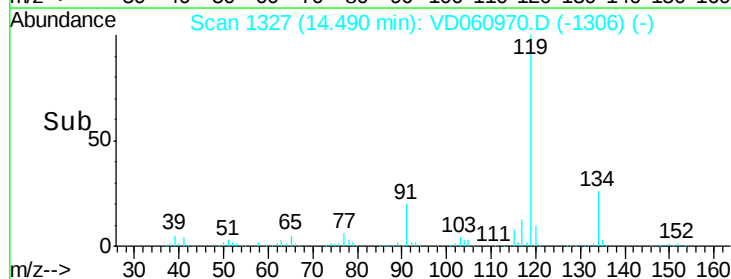
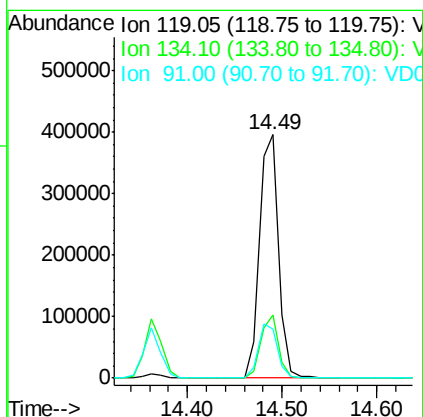
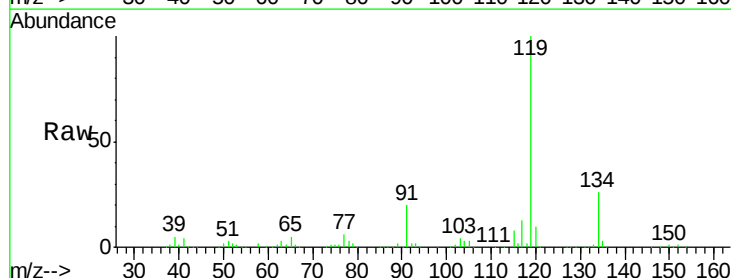
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 725598
 Ion Ratio Lower Upper
 105 100
 134 17.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 20.051 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion:119 Resp: 555771
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.0 36.1
 91 19.9 11.2 33.6

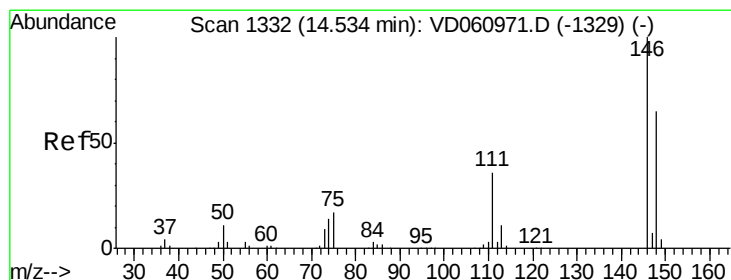
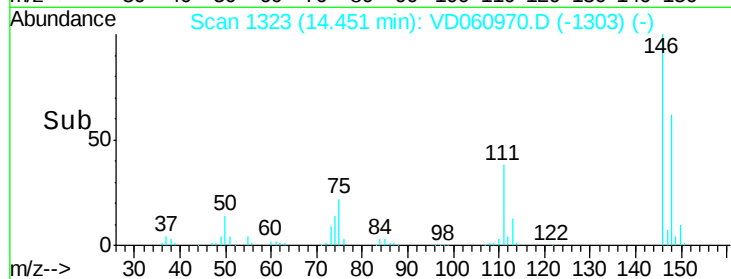
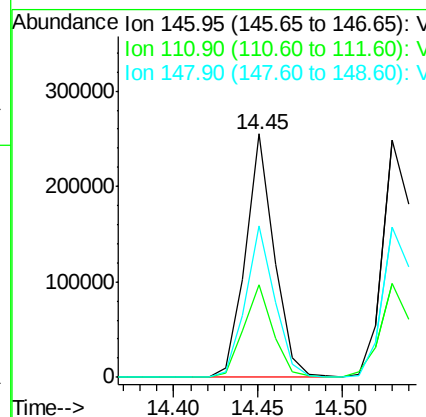
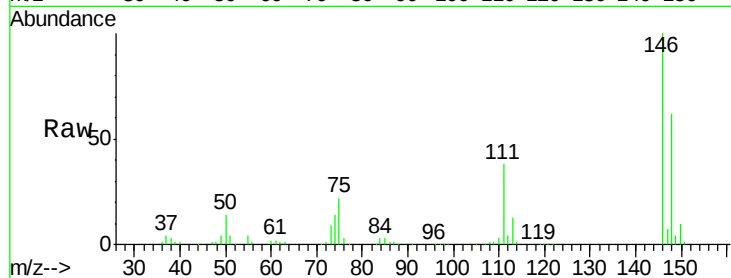




#87
 1,3-Dichlorobenzene
 Concen: 20.221 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

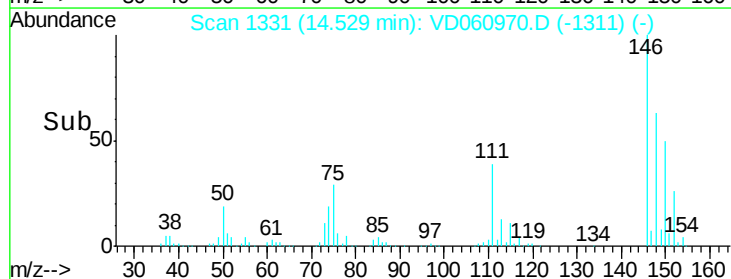
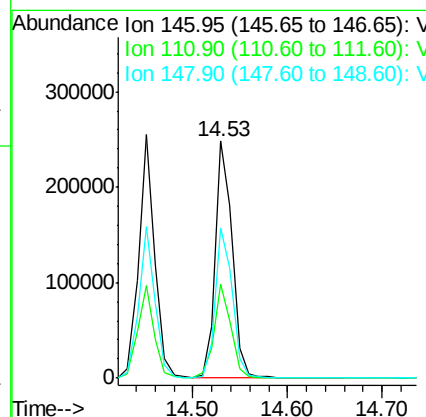
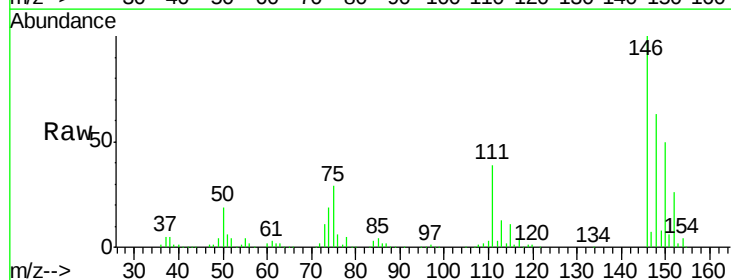
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

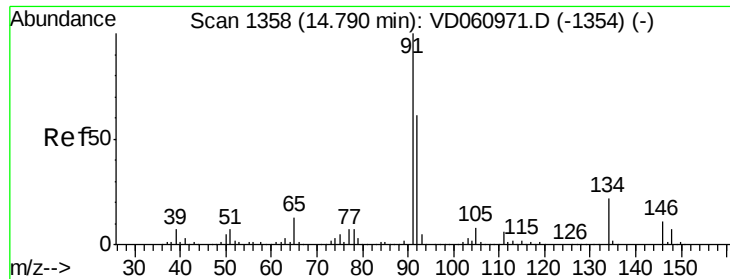
Tgt Ion:146 Resp: 302764
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.4
 148 62.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 21.146 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion:146 Resp: 313305
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.4 55.2
 148 63.5 32.5 97.5





#89

n-Butylbenzene

Concen: 20.108 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

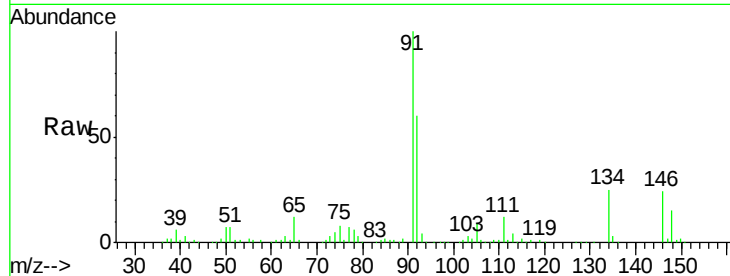
Tgt Ion: 91 Resp: 521630

Ion Ratio Lower Upper

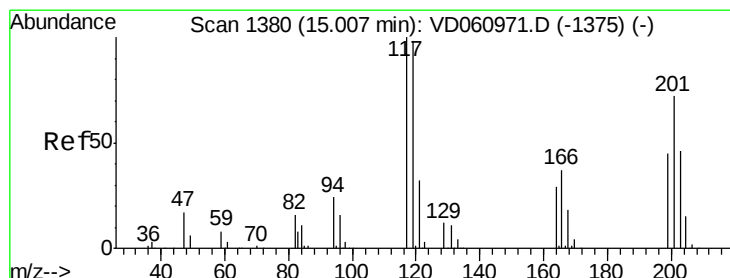
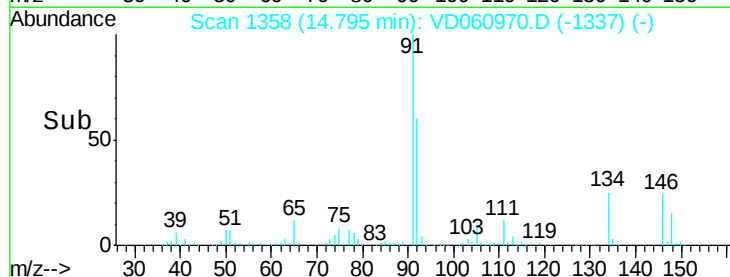
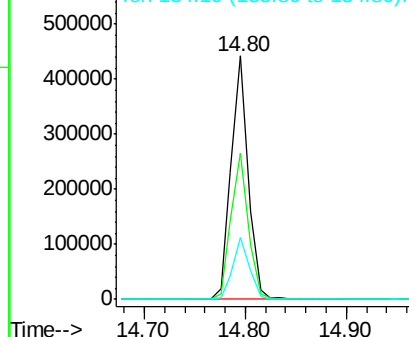
91 100

92 60.2 30.6 91.8

134 25.2 11.0 33.0



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



#90

Hexachloroethane

Concen: 18.923 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD060970.D

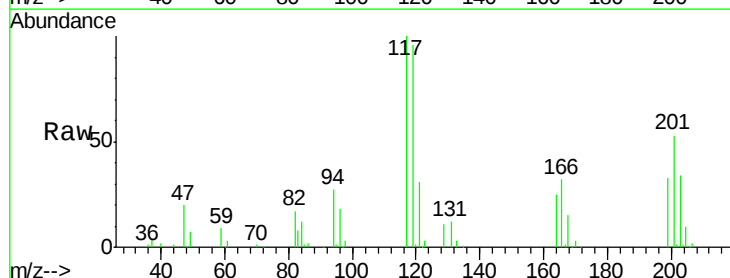
Acq: 7 Mar 2019 16:03

Tgt Ion: 117 Resp: 151225

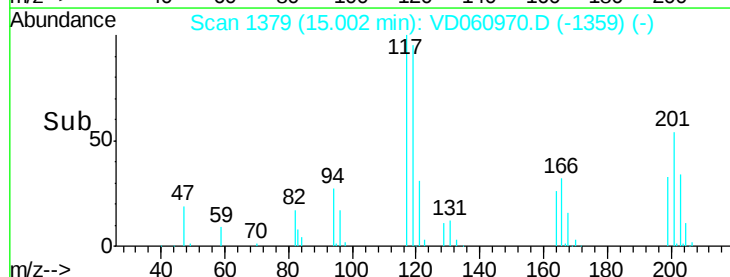
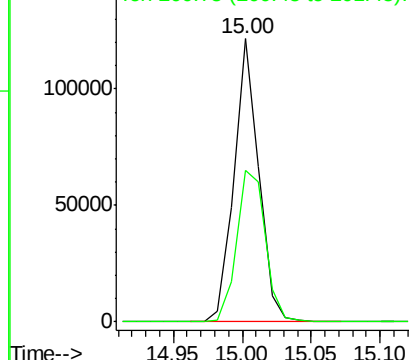
Ion Ratio Lower Upper

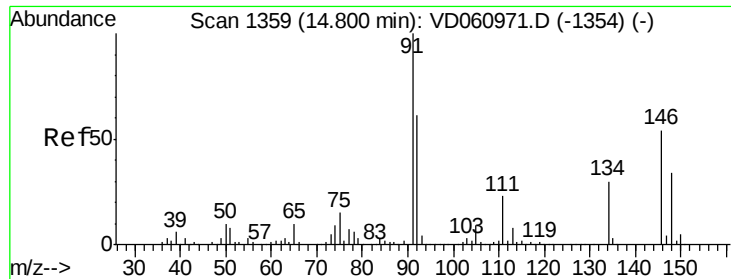
117 100

201 53.3 36.2 108.6



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

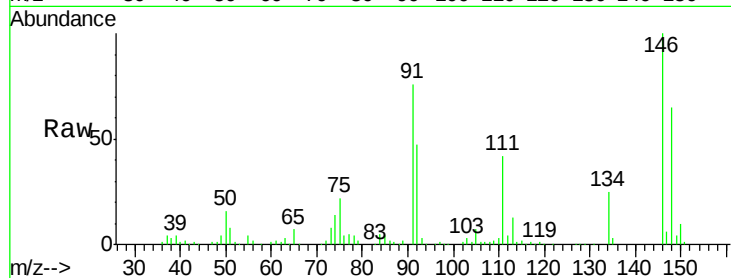




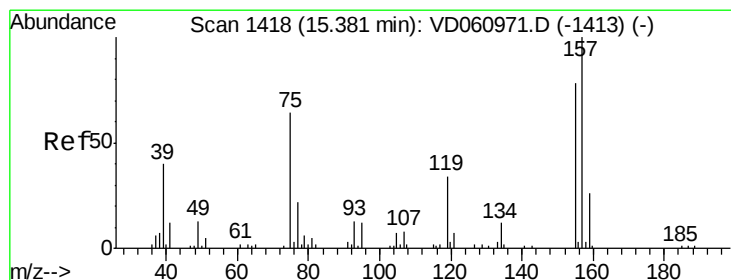
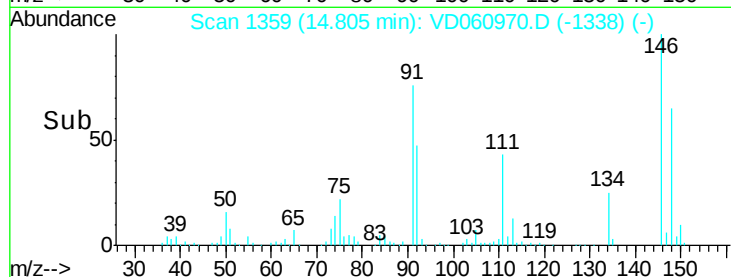
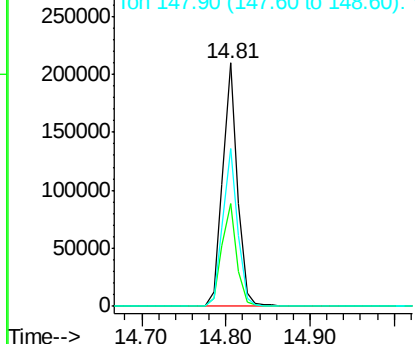
#91
 1,2-Dichlorobenzene
 Concen: 19.688 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 257120
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.5 64.5
 148 64.8 30.9 92.8

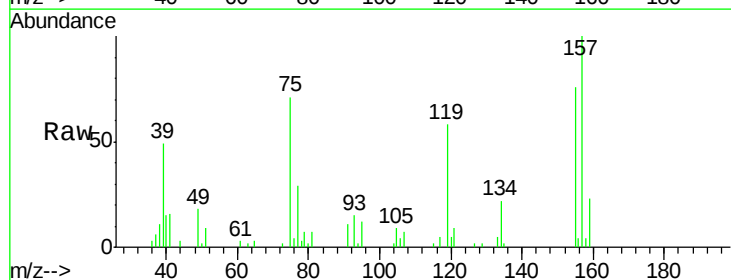


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

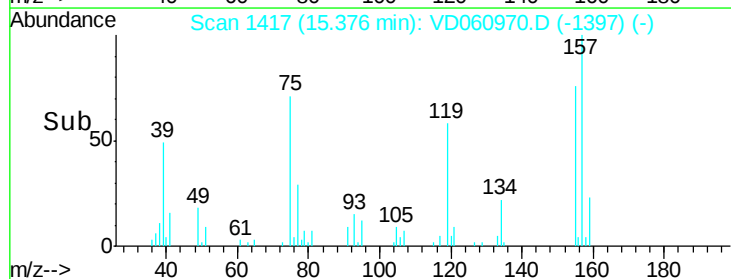
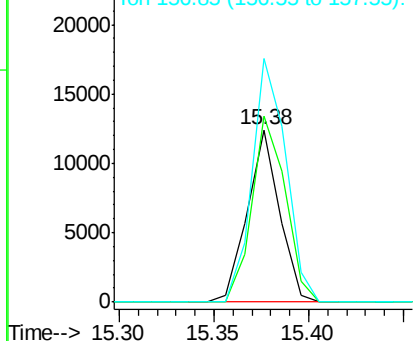


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.847 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion: 75 Resp: 14583
 Ion Ratio Lower Upper
 75 100
 155 108.0 61.2 183.5
 157 141.4 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

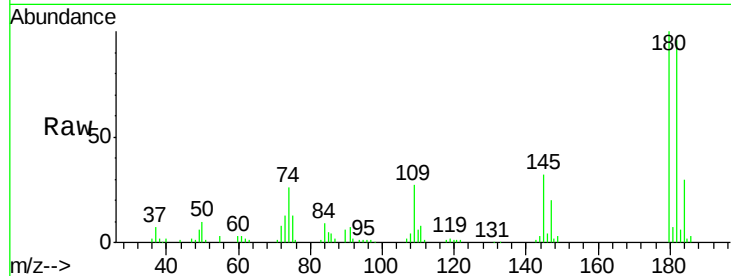




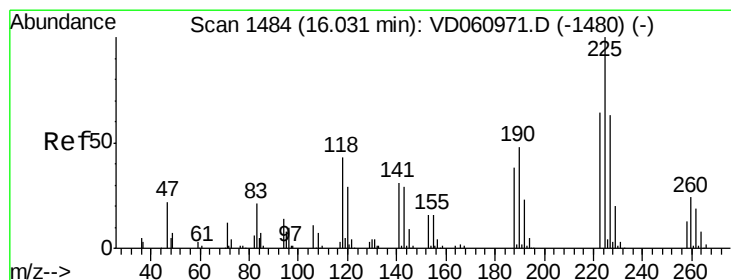
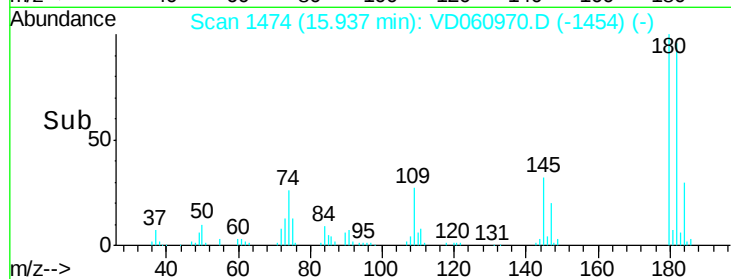
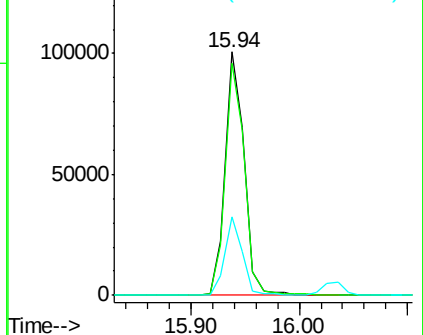
#93
 1,2,4-Trichlorobenzene
 Concen: 16.701 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 123011
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.3 142.0
 145 32.2 14.4 43.0

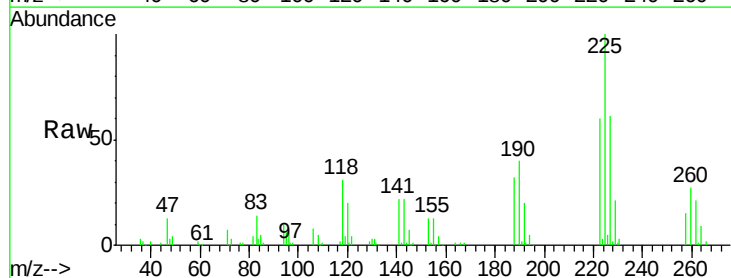


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

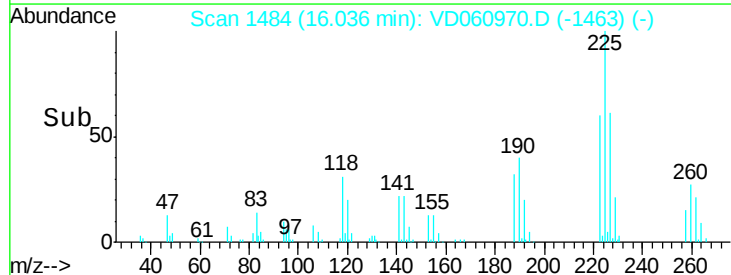
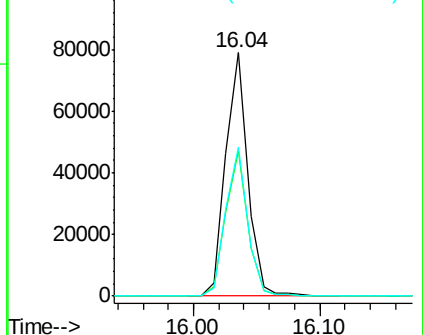


#94
 Hexachlorobutadiene
 Concen: 20.195 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060970.D
 Acq: 7 Mar 2019 16:03

Tgt Ion:225 Resp: 95084
 Ion Ratio Lower Upper
 225 100
 223 59.8 31.8 95.3
 227 61.3 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: 16.876 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

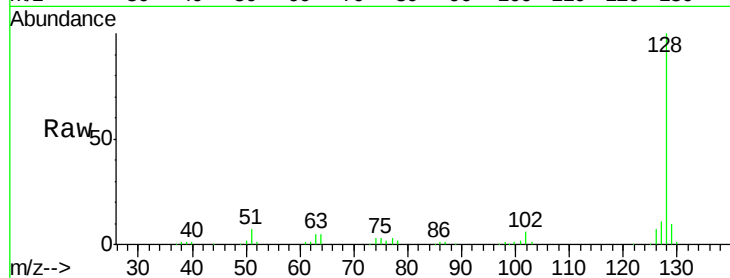
Tgt Ion:128 Resp: 192064

Ion Ratio Lower Upper

128 100

127 10.8 9.8 14.8

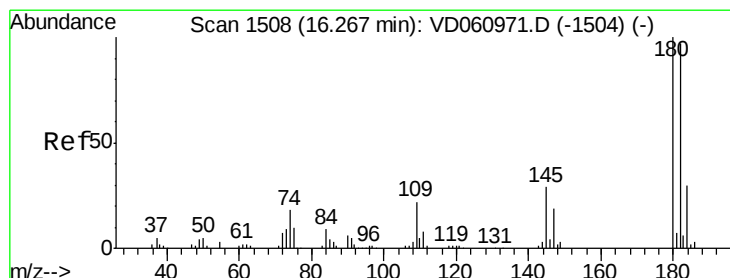
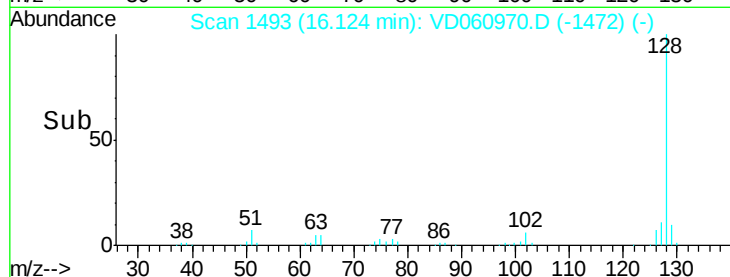
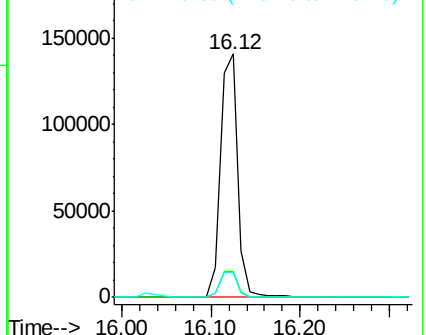
129 10.1 8.5 12.7



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: 15.090 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD060970.D

Acq: 7 Mar 2019 16:03

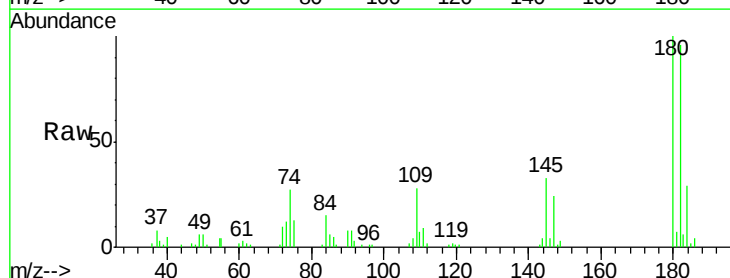
Tgt Ion:180 Resp: 60293

Ion Ratio Lower Upper

180 100

182 96.0 48.6 145.8

145 32.5 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

