

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122118\
 Data File : VW007702.D
 Acq On : 19 Dec 2018 15:19
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Quant Time: Dec 20 06:08:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	106157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	61251	75.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.50%	
35) Dibromofluoromethane	7.88	113	54559	75.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.58%	
50) Toluene-d8	10.32	98	209905	77.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.70%	
62) 4-Bromofluorobenzene	12.62	95	78912	75.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43428	65.777	ug/l	94
3) Chloromethane	2.21	50	28638	70.639	ug/l	95
4) Vinyl Chloride	2.37	62	35498	68.784	ug/l	93
5) Bromomethane	2.78	94	24872	69.194	ug/l	99
6) Chloroethane	2.93	64	19407	70.290	ug/l	96
7) Trichlorofluoromethane	3.26	101	39822	74.117	ug/l	98
8) Diethyl Ether	3.68	74	23452	71.263	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54326	69.535	ug/l	97
10) Methyl Iodide	4.26	142	87472	69.511	ug/l	100
11) Tert butyl alcohol	5.17	59	17847	325.019	ug/l	97
12) 1,1-Dichloroethene	4.03	96	50882	69.441	ug/l	95
13) Acrolein	3.89	56	13957	317.896	ug/l	98
14) Allyl chloride	4.66	41	67403	70.147	ug/l	100
15) Acrylonitrile	5.37	53	49718	354.166	ug/l	99
16) Acetone	4.12	43	51766	339.607	ug/l	95
17) Carbon Disulfide	4.37	76	156868	69.182	ug/l	100
18) Methyl Acetate	4.67	43	26166	72.180	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74235	70.570	ug/l	99
20) Methylene Chloride	4.91	84	53130	57.831	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	56522	70.138	ug/l	95
22) Diisopropyl ether	6.31	45	127863	71.066	ug/l	95
23) Vinyl Acetate	6.26	43	380878	356.305	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91137	68.855	ug/l	99
25) 2-Butanone	7.17	43	61606	345.056	ug/l	96
26) 2,2-Dichloropropane	7.17	77	66285	68.436	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59962	69.840	ug/l	99
28) Bromochloromethane	7.51	49	32940	72.991	ug/l	98
29) Tetrahydrofuran	7.53	42	38281	359.460	ug/l	100
30) Chloroform	7.68	83	103537	69.121	ug/l	97
31) Cyclohexane	7.95	56	82482	68.069	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	95795	70.219	ug/l	100
36) 1,1-Dichloropropene	8.08	75	79898	70.152	ug/l	99
37) Ethyl Acetate	7.25	43	27104	68.957	ug/l	98
38) Carbon Tetrachloride	8.07	117	95401	71.126	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102080	72.130	ug/l	98
40) Benzene	8.32	78	215035	70.754	ug/l	99
41) Methacrylonitrile	7.49	41	16503	73.952	ug/l	98
42) 1,2-Dichloroethane	8.40	62	71315	70.020	ug/l	100
43) Isopropyl Acetate	8.43	43	56290	71.482	ug/l	98
44) Trichloroethene	9.09	130	63831	69.450	ug/l	98
45) 1,2-Dichloropropane	9.37	63	47625	70.622	ug/l	98
46) Dibromomethane	9.46	93	29712	71.574	ug/l	97
47) Bromodichloromethane	9.65	83	77129	70.675	ug/l	99
48) Methyl methacrylate	9.44	41	28455	72.392	ug/l	100
49) 1,4-Dioxane	9.45	88	9992	1518.178	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	132048	354.817	ug/l	100
52) Toluene	10.39	92	141679	69.481	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77796	71.668	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	84220	70.241	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40245	70.324	ug/l	98
56) Ethyl methacrylate	10.65	69	49574	73.317	ug/l	98
57) 1,3-Dichloropropane	10.93	76	67069	70.577	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	122857	397.964	ug/l	97
59) 2-Hexanone	10.97	43	95080	363.279	ug/l	99
60) Dibromochloromethane	11.13	129	53262	70.291	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40440	69.780	ug/l	99
64) Tetrachloroethene	10.86	164	53035	70.551	ug/l	96
65) Chlorobenzene	11.66	112	159287	69.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58776	71.590	ug/l	99
67) Ethyl Benzene	11.73	91	281035	71.278	ug/l	98
68) m/p-Xylenes	11.84	106	217622	142.285	ug/l	100
69) o-Xylene	12.17	106	101978	71.130	ug/l	100
70) Styrene	12.18	104	169508	71.926	ug/l	100
71) Bromoform	12.35	173	30946	72.609	ug/l #	100
73) Isopropylbenzene	12.47	105	293629	72.749	ug/l	100
74) N-amyl acetate	12.27	43	51586	73.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43495	71.873	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61454	76.024	ug/l #	100
77) Bromobenzene	12.75	156	65001	70.271	ug/l	98
78) n-propylbenzene	12.81	91	339030	72.158	ug/l	99
79) 2-Chlorotoluene	12.90	91	195776	71.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	254830	73.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14362	73.046	ug/l	96
82) 4-Chlorotoluene	12.99	91	208379	71.502	ug/l	99
83) tert-Butylbenzene	13.21	119	223755	73.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	253788	72.241	ug/l	100
85) sec-Butylbenzene	13.39	105	307298	72.992	ug/l	99
86) p-Isopropyltoluene	13.51	119	275359	71.928	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	128557	69.998	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	128680	70.045	ug/l	99
89) n-Butylbenzene	13.83	91	255448	72.777	ug/l	100
90) Hexachloroethane	14.10	117	47709	70.986	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	116603	70.911	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9198	74.011	ug/l	99

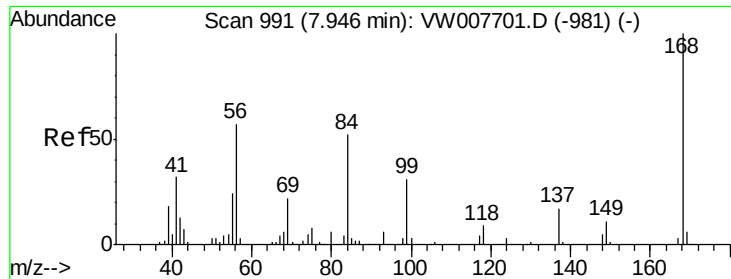
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81579	71.471	ug/l	99
94) Hexachlorobutadiene	15.24	225	43108	70.669	ug/l	99
95) Naphthalene	15.37	128	155392	73.635	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69976	71.619	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

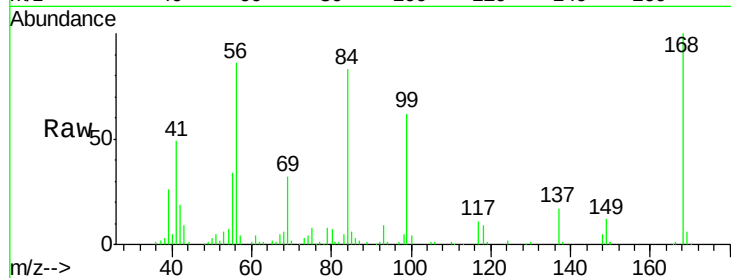
VSTDIC075

Tgt Ion:168 Resp: 74267

Ion Ratio Lower Upper

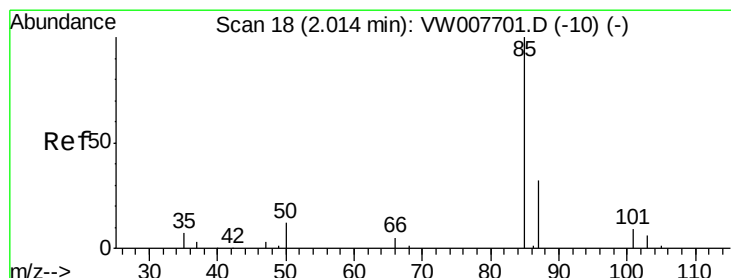
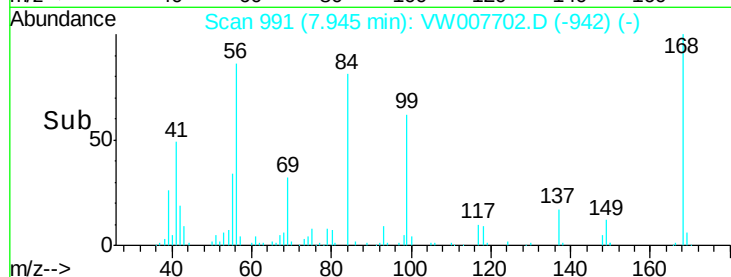
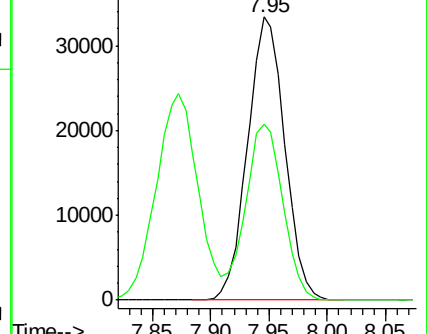
168 100

99 61.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 65.777 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007702.D

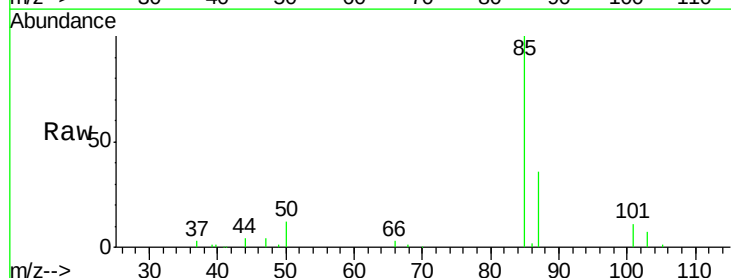
Acq: 19 Dec 2018 15:19

Tgt Ion: 85 Resp: 43428

Ion Ratio Lower Upper

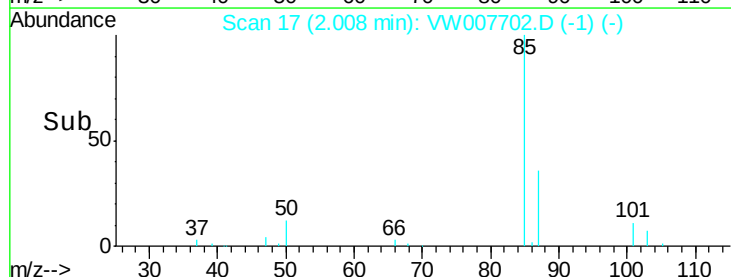
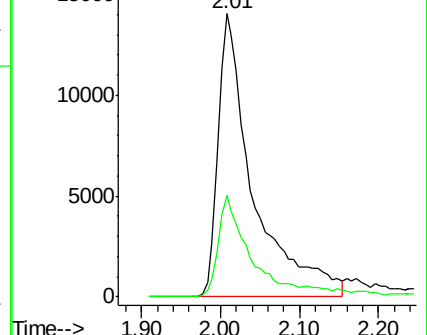
85 100

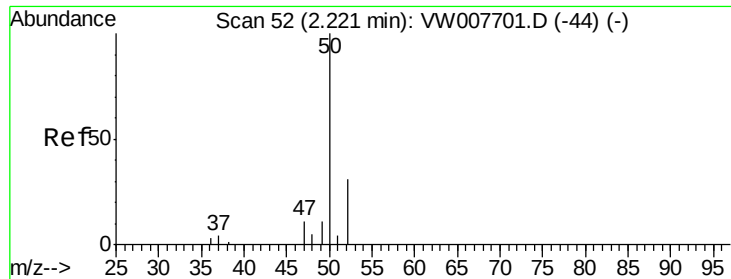
87 35.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 70.639 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

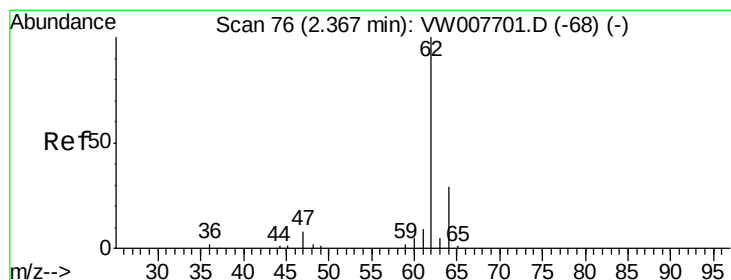
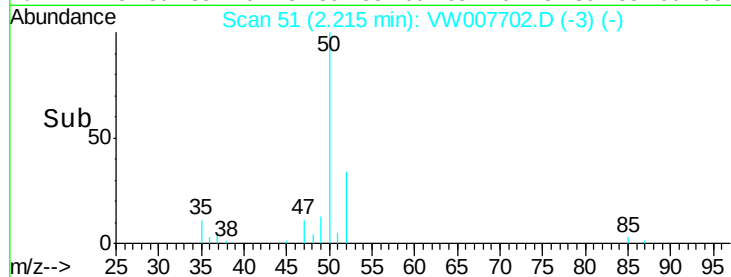
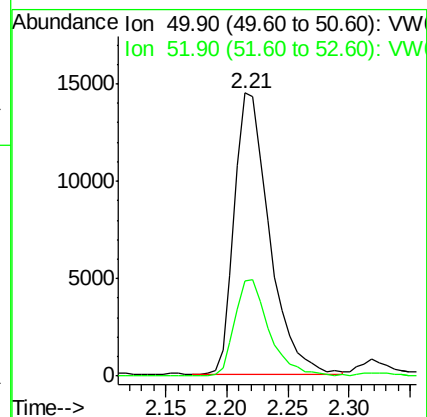
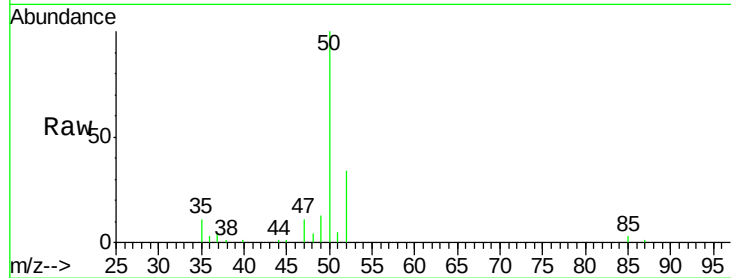
VSTDIC075

Tgt Ion: 50 Resp: 28638

Ion Ratio Lower Upper

50 100

52 34.1 25.1 37.7



#4

Vinyl Chloride

Concen: 68.784 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007702.D

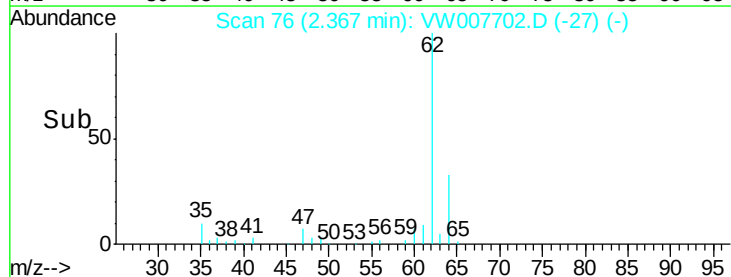
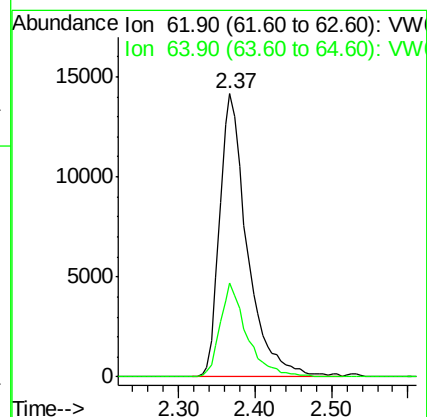
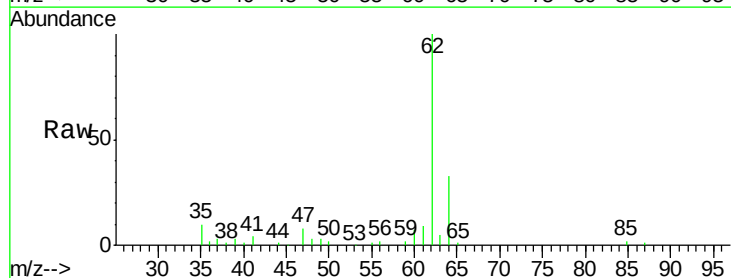
Acq: 19 Dec 2018 15:19

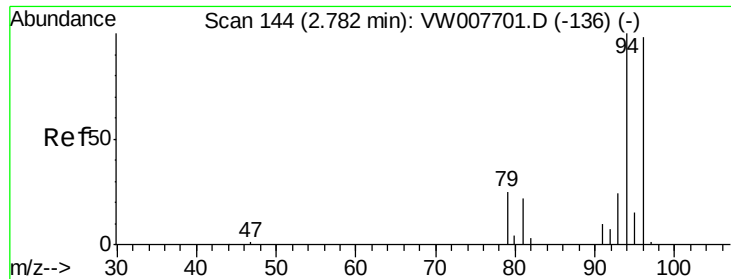
Tgt Ion: 62 Resp: 35498

Ion Ratio Lower Upper

62 100

64 33.1 23.4 35.0

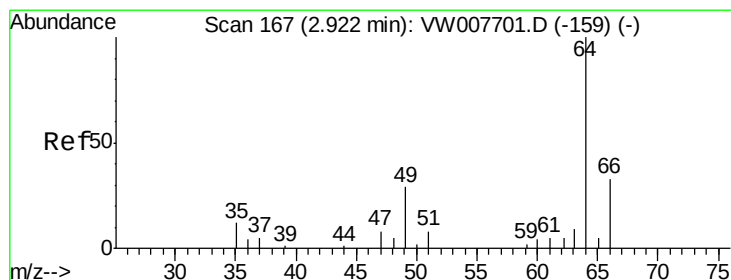
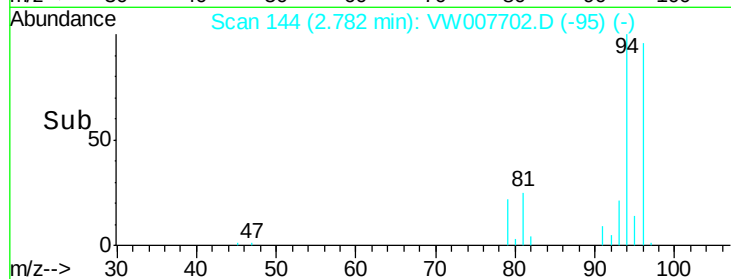
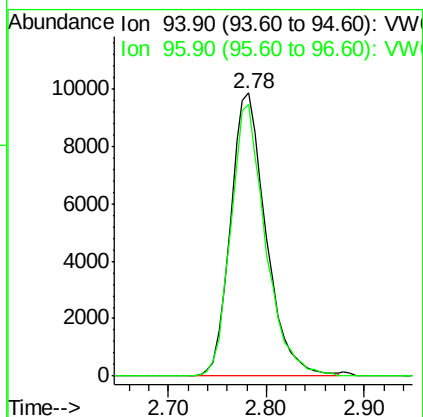
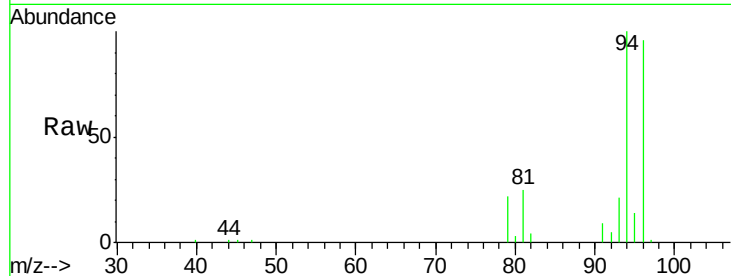




#5
Bromomethane
Concen: 69.194 ug/l
RT: 2.78 min Scan# 144
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

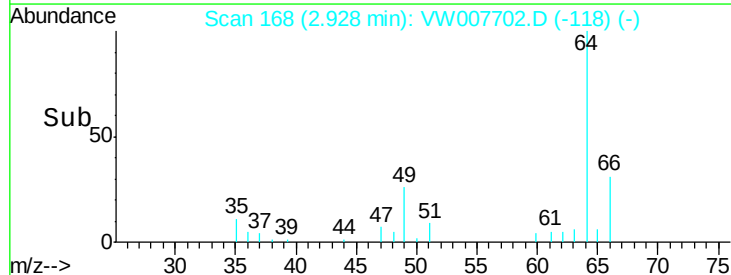
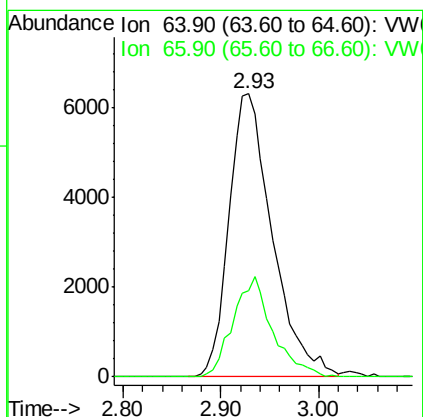
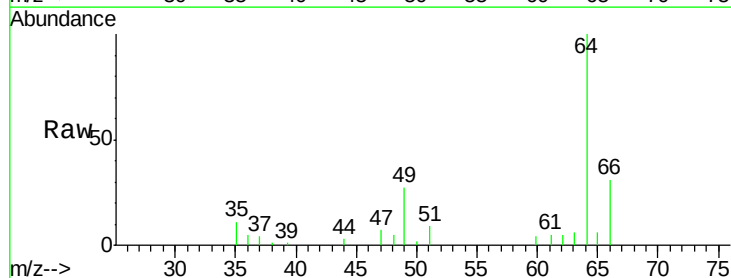
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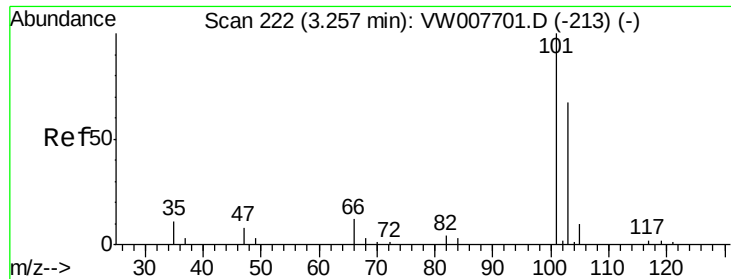
Tgt Ion: 94 Resp: 24872
Ion Ratio Lower Upper
94 100
96 96.2 78.2 117.2



#6
Chloroethane
Concen: 70.290 ug/l
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 64 Resp: 19407
Ion Ratio Lower Upper
64 100
66 30.6 26.2 39.4



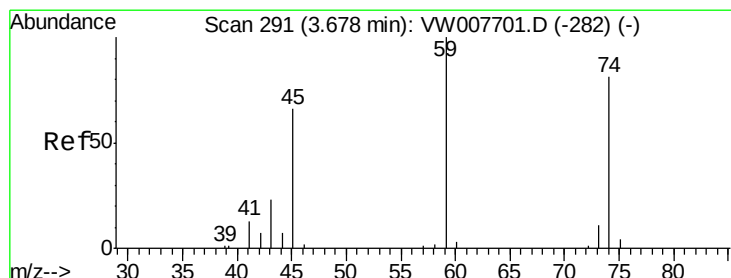
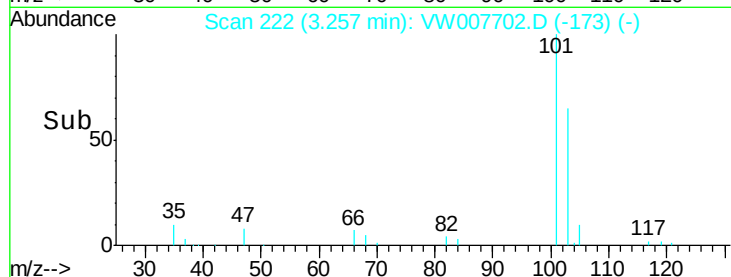
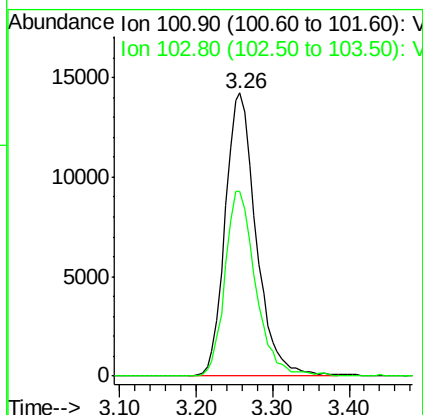
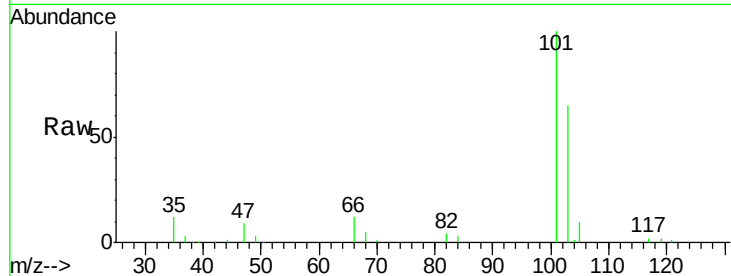


#7

Trichlorofluoromethane
 Concen: 74.117 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Instrument :
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 VSTDIC075

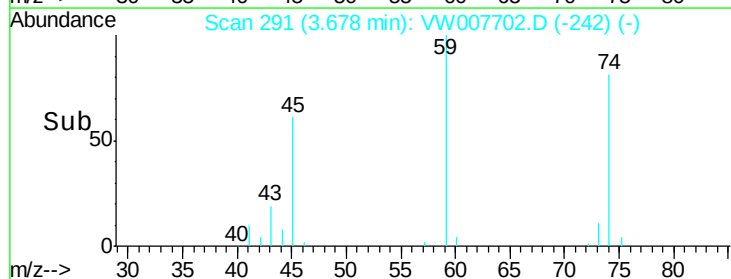
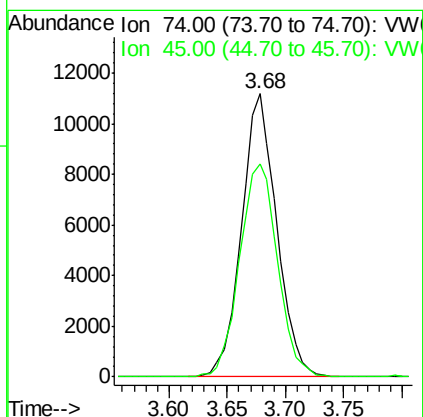
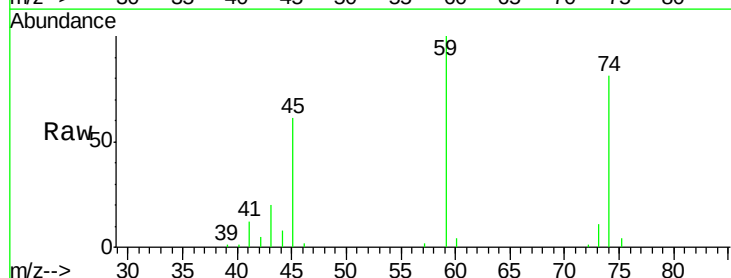
Tgt Ion: 101 Resp: 39822
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.4 80.2

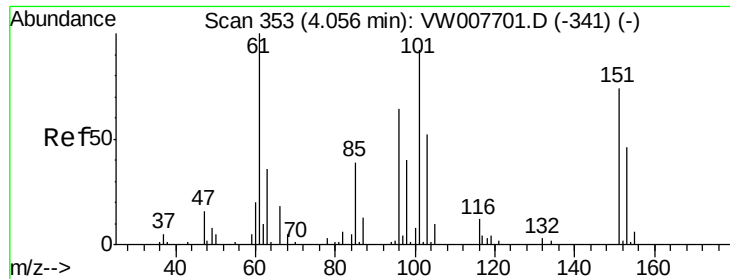


#8

Diethyl Ether
 Concen: 71.263 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 74 Resp: 23452
 Ion Ratio Lower Upper
 74 100
 45 81.2 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.535 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

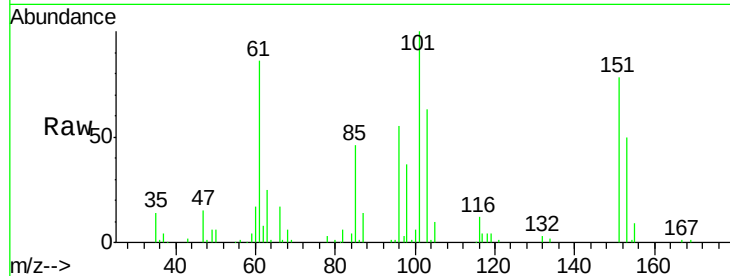
Tgt Ion:101 Resp: 54326

Ion Ratio Lower Upper

101 100

85 44.0 34.3 51.5

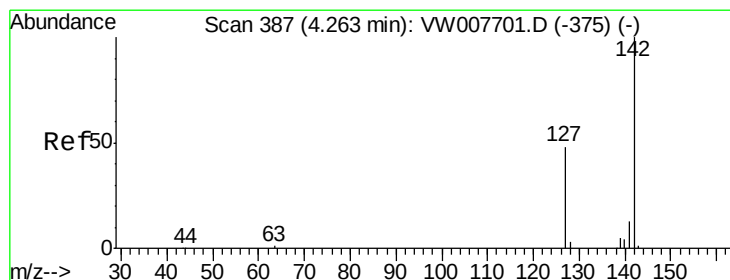
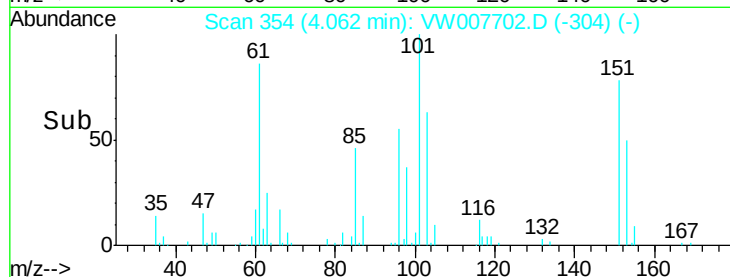
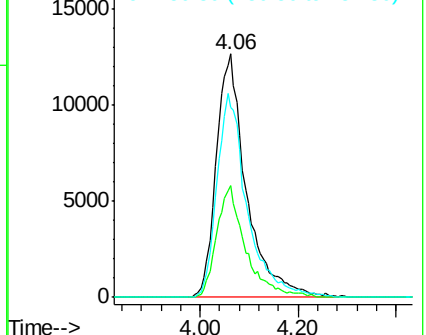
151 83.5 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 69.511 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

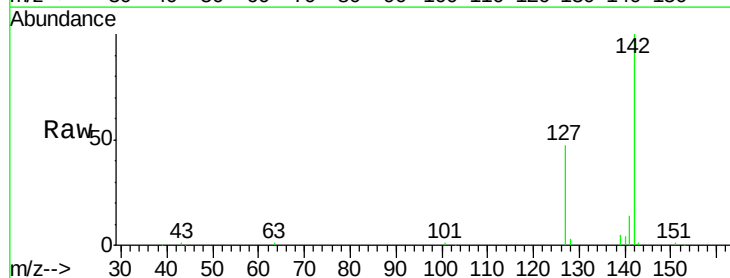
Tgt Ion:142 Resp: 87472

Ion Ratio Lower Upper

142 100

127 47.0 37.7 56.5

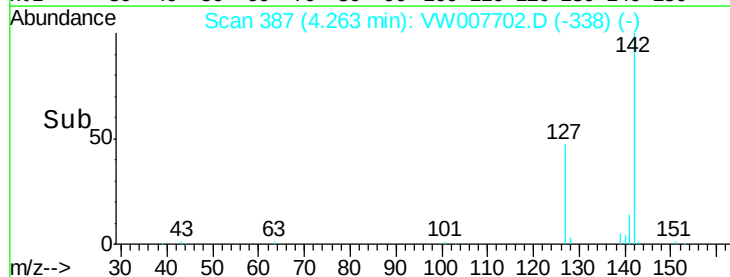
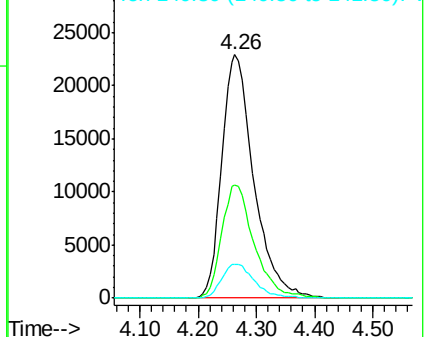
141 14.4 11.5 17.3

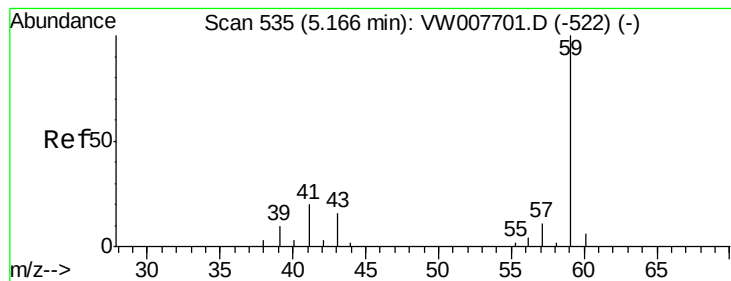


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



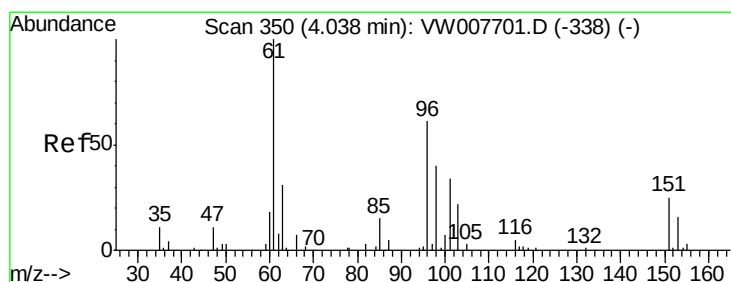
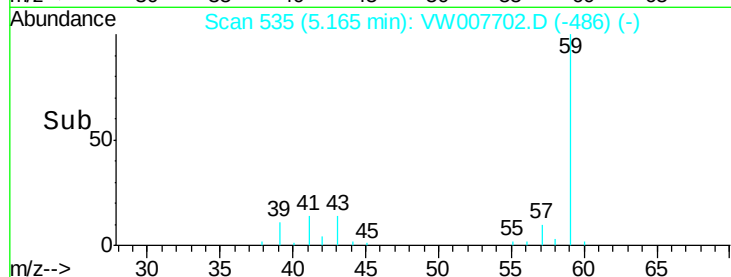
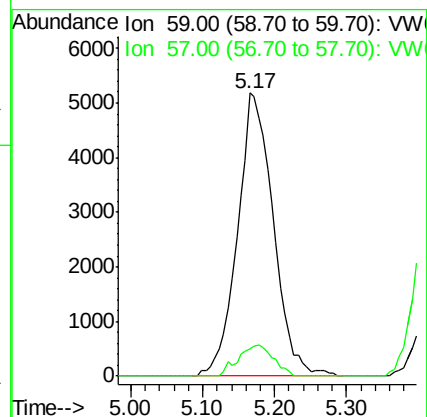
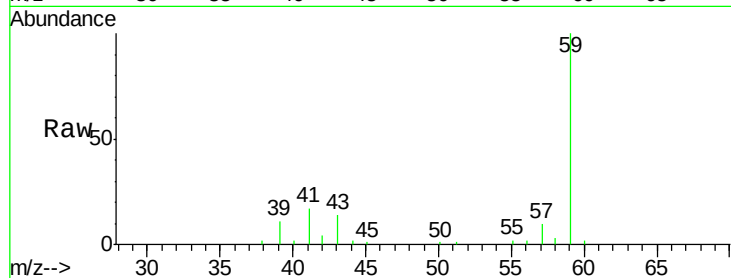


#11

Tert butyl alcohol
Concen: 325.019 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

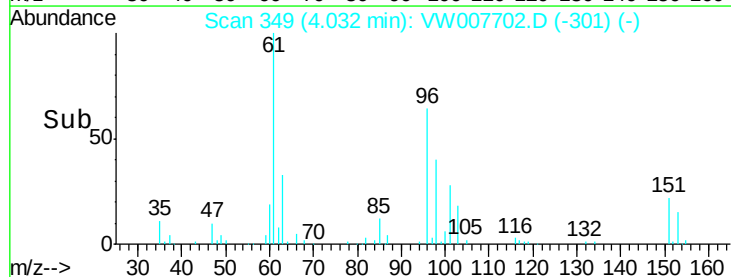
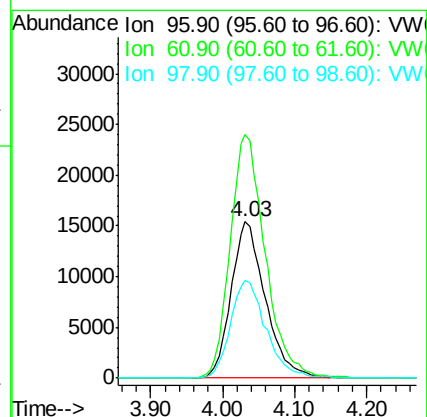
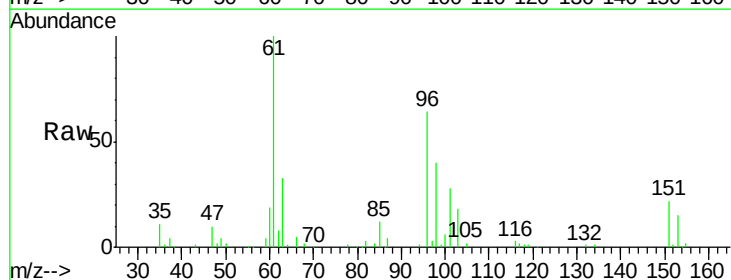
Tgt Ion: 59 Resp: 17847
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.8

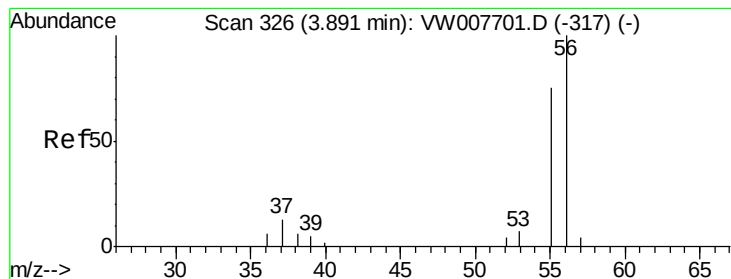


#12

1,1-Dichloroethene
Concen: 69.441 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 96 Resp: 50882
Ion Ratio Lower Upper
96 100
61 156.1 130.6 195.8
98 62.4 52.3 78.5





#13

Acrolein

Concen: 317.896 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

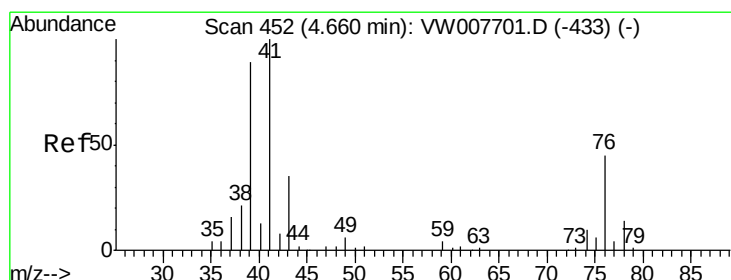
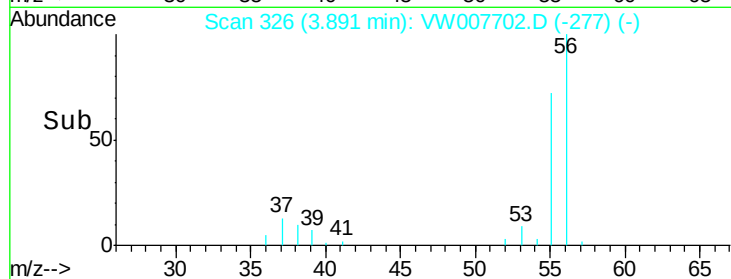
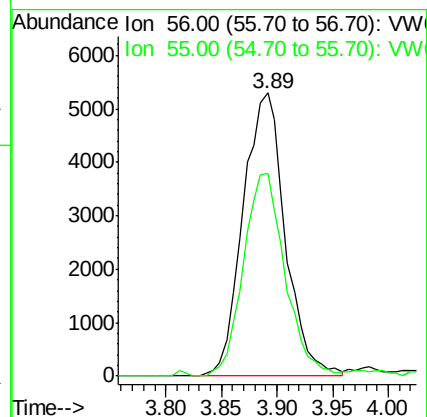
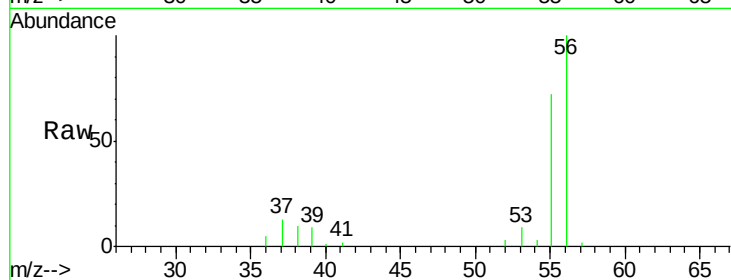
VSTDIC075

Tgt Ion: 56 Resp: 13957

Ion Ratio Lower Upper

56 100

55 70.5 57.7 86.5



#14

Allyl chloride

Concen: 70.147 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

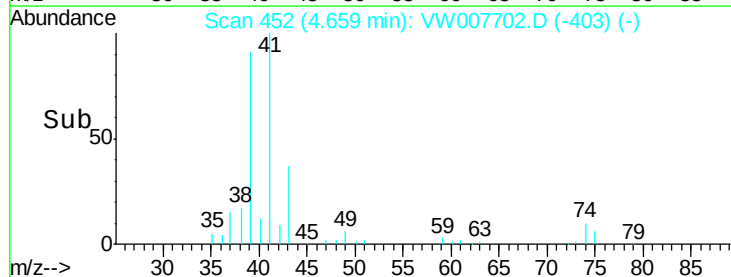
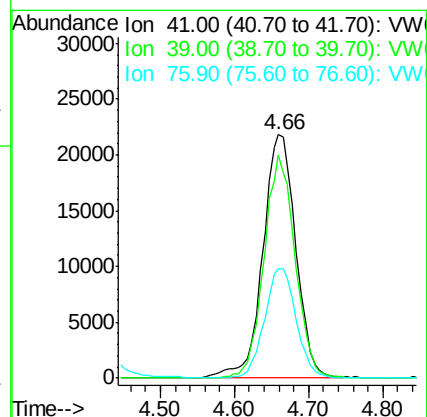
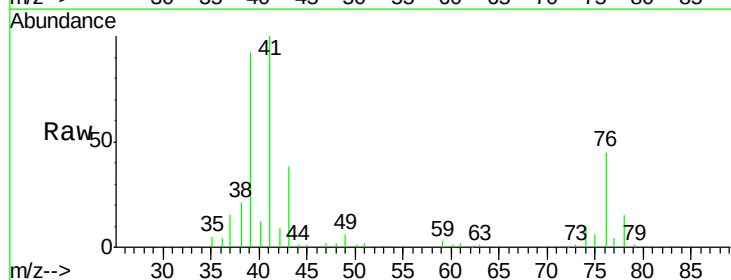
Tgt Ion: 41 Resp: 67403

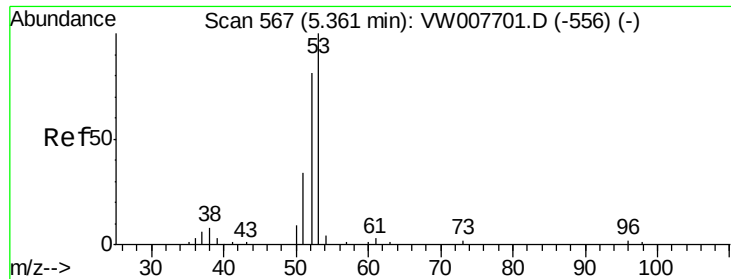
Ion Ratio Lower Upper

41 100

39 86.6 69.5 104.3

76 43.3 34.8 52.2





#15

Acrylonitrile

Concen: 354.166 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

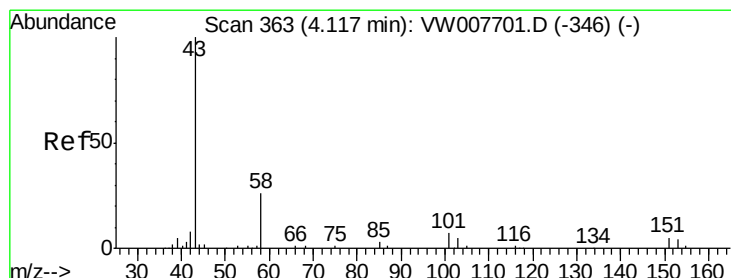
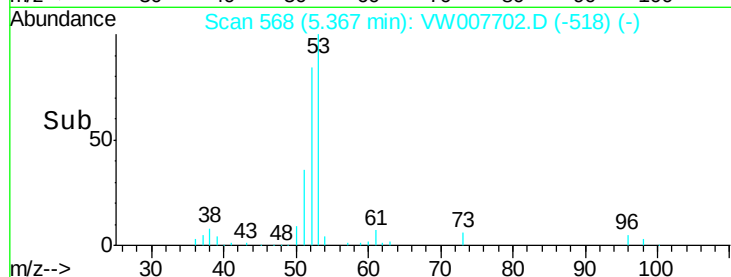
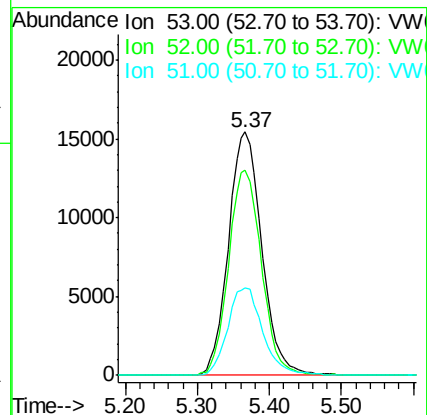
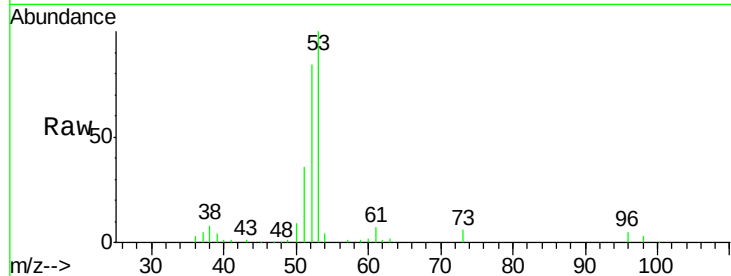
Tgt Ion: 53 Resp: 49718

Ion Ratio Lower Upper

53 100

52 82.8 67.0 100.4

51 37.7 30.2 45.2



#16

Acetone

Concen: 339.607 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007702.D

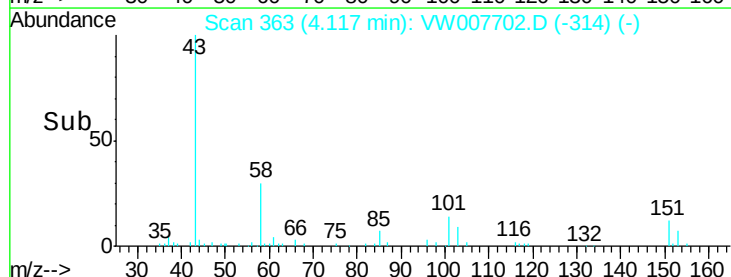
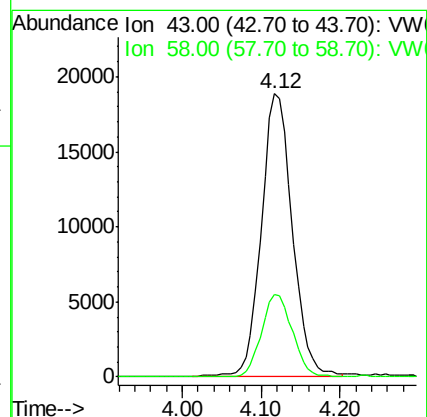
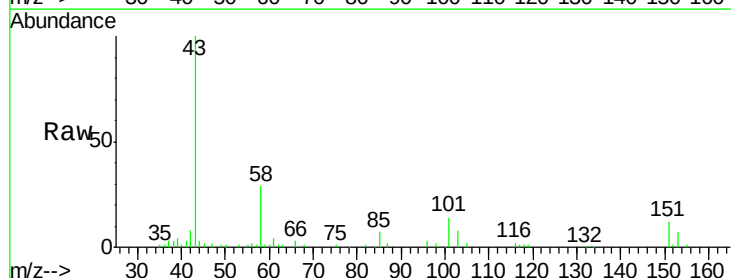
Acq: 19 Dec 2018 15:19

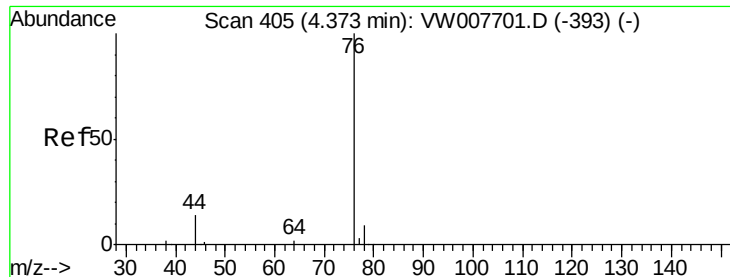
Tgt Ion: 43 Resp: 51766

Ion Ratio Lower Upper

43 100

58 29.1 21.2 31.8





#17

Carbon Disulfide

Concen: 69.182 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

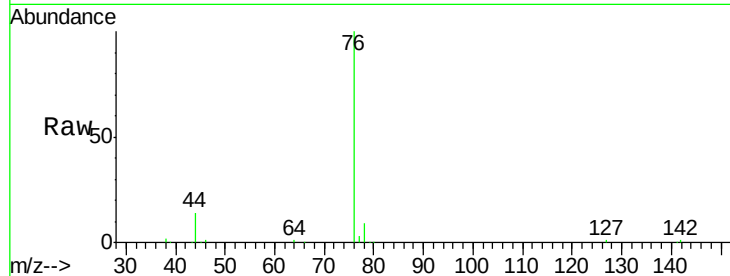
VSTDIC075

Tgt Ion: 76 Resp: 156868

Ion Ratio Lower Upper

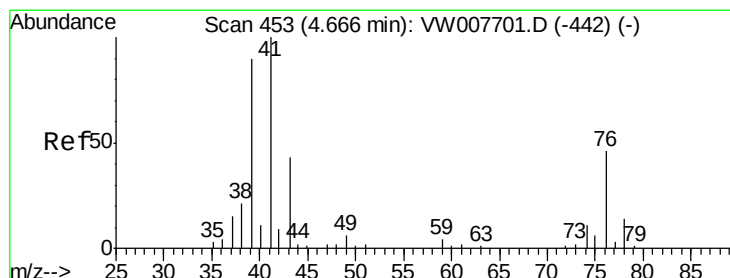
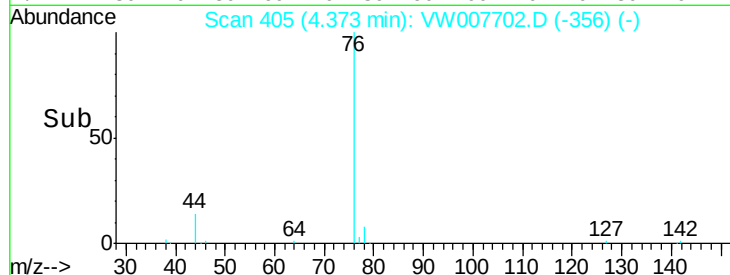
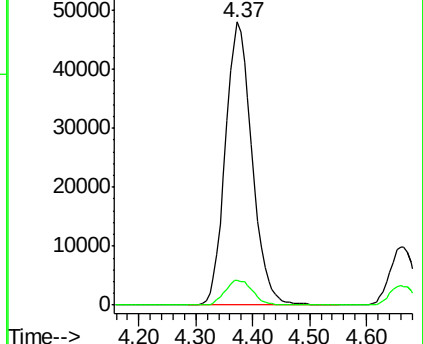
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 72.180 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007702.D

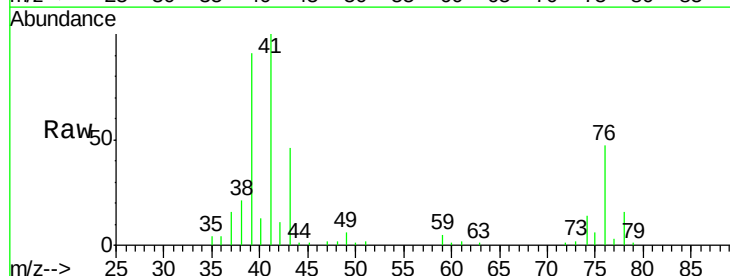
Acq: 19 Dec 2018 15:19

Tgt Ion: 43 Resp: 26166

Ion Ratio Lower Upper

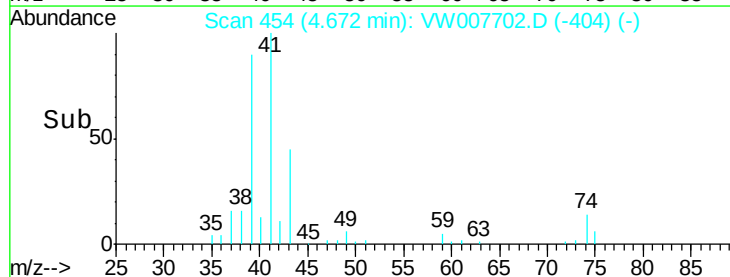
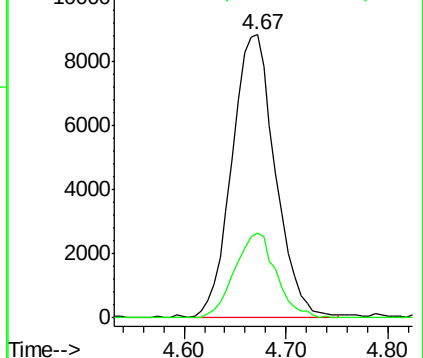
43 100

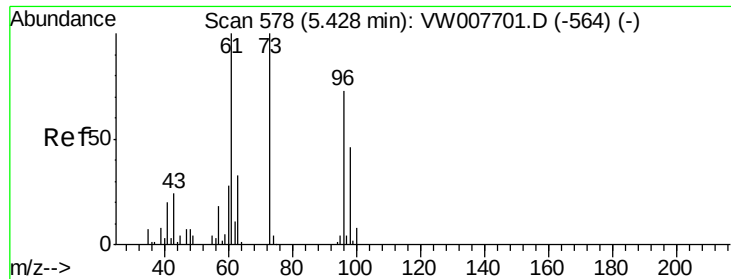
74 28.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

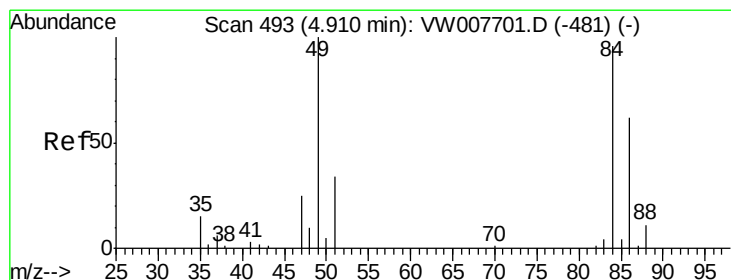
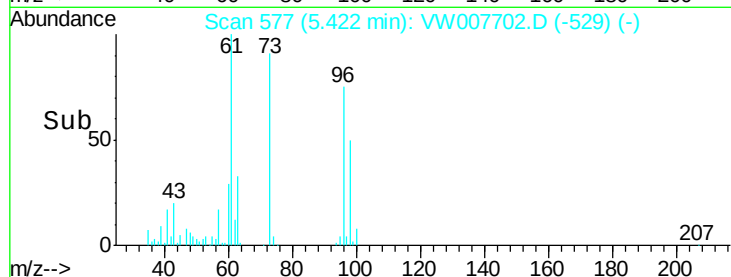
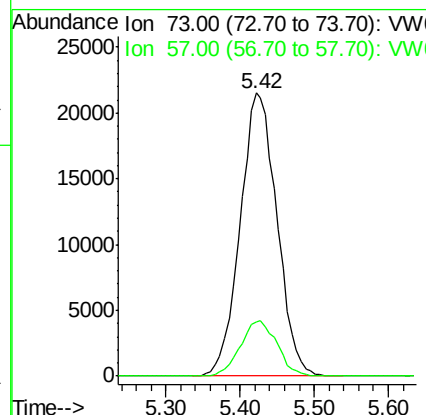
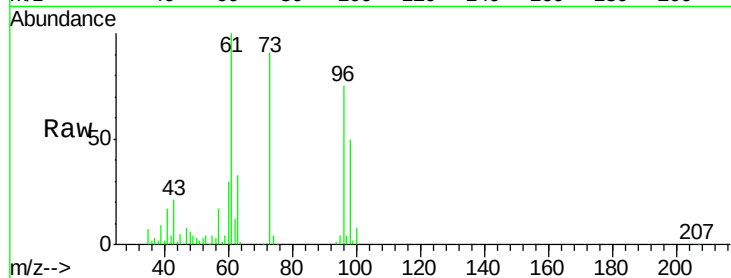




#19
Methyl tert-butyl Ether
Concen: 70.570 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

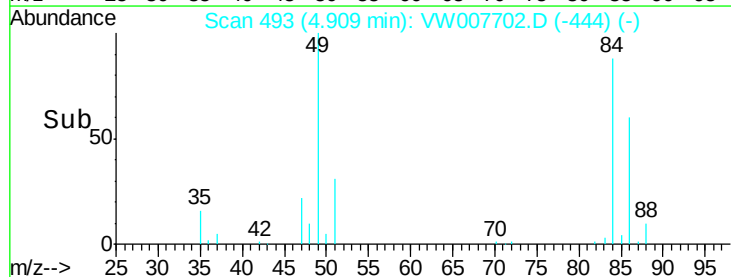
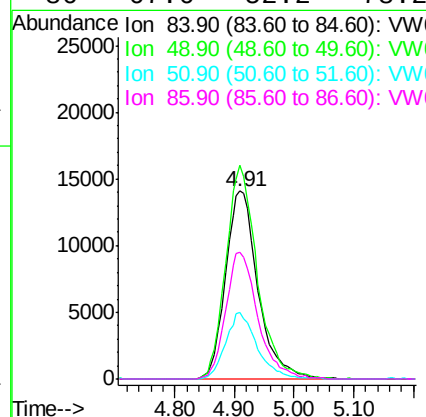
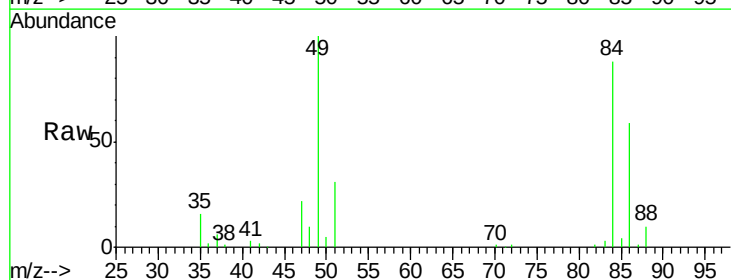
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

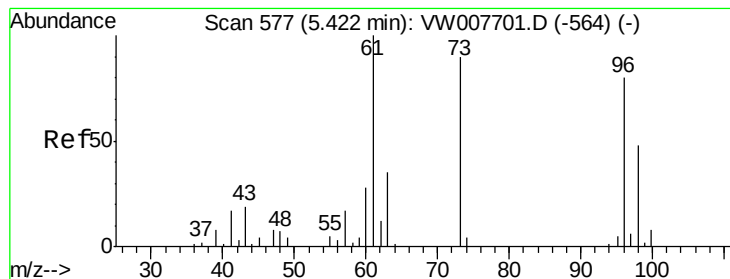
Tgt Ion: 73 Resp: 74235
Ion Ratio Lower Upper
73 100
57 19.1 14.7 22.1



#20
Methylene Chloride
Concen: 57.831 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 84 Resp: 53130
Ion Ratio Lower Upper
84 100
49 113.8 83.7 125.5
51 35.4 28.2 42.2
86 67.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 70.138 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

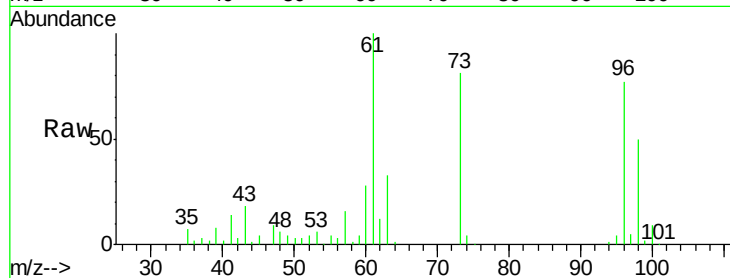
Tgt Ion: 96 Resp: 56522

Ion Ratio Lower Upper

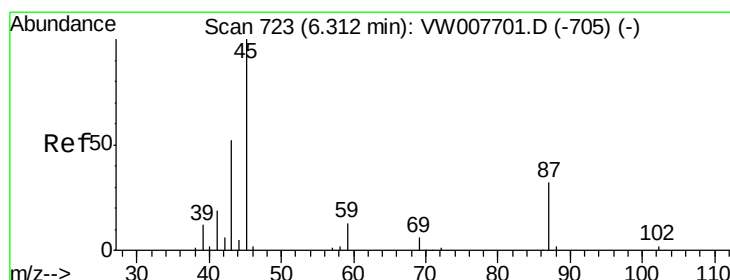
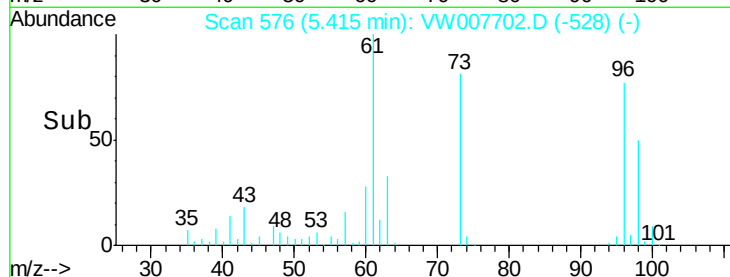
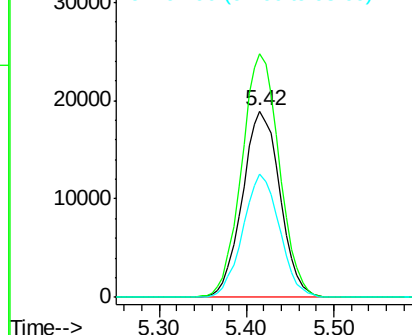
96 100

61 130.6 100.1 150.1

98 65.8 48.5 72.7



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 71.066 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Tgt Ion: 45 Resp: 127863

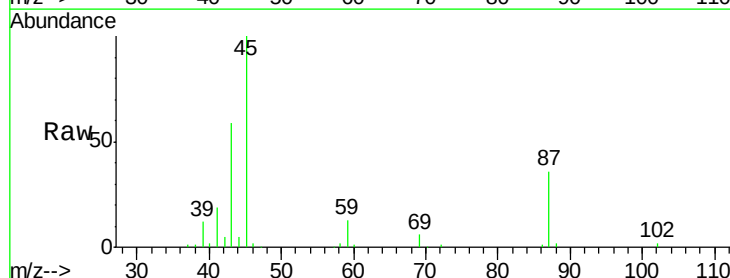
Ion Ratio Lower Upper

45 100

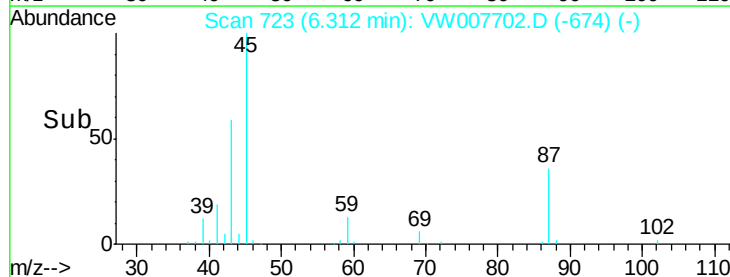
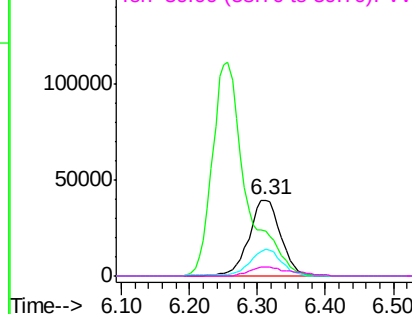
43 58.3 43.7 65.5

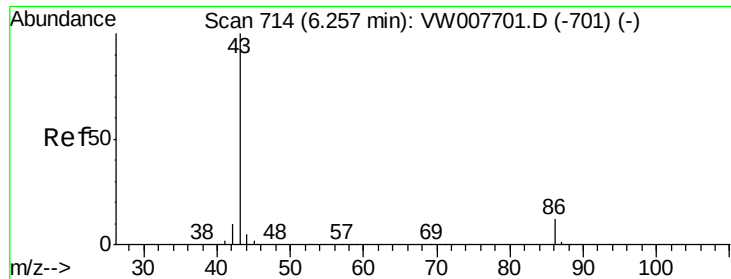
87 36.1 26.6 40.0

59 12.4 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

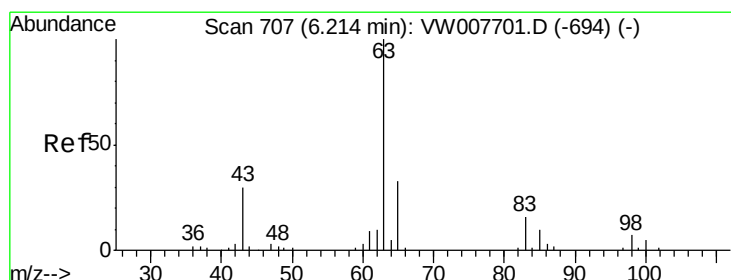
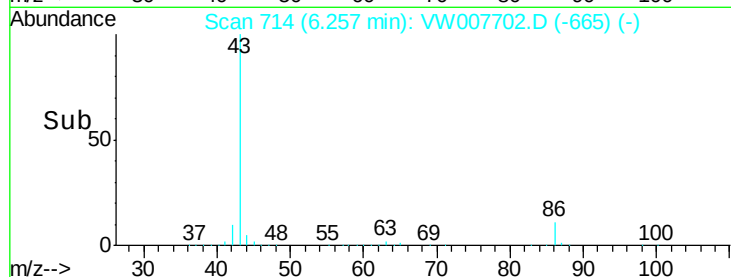
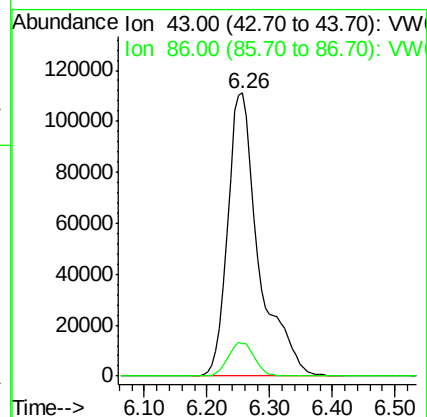
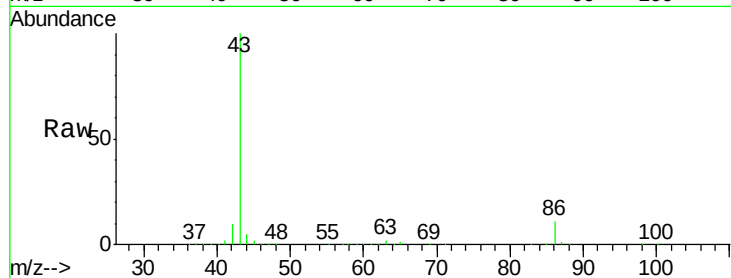




#23
 Vinyl Acetate
 Concen: 356.305 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

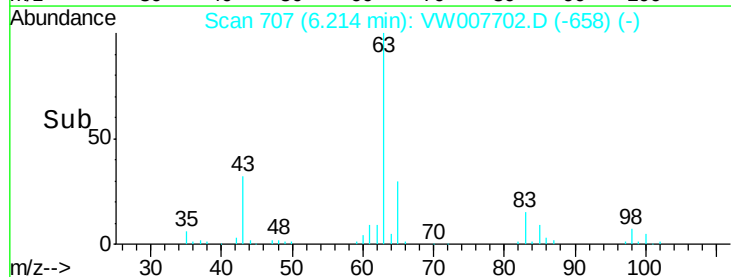
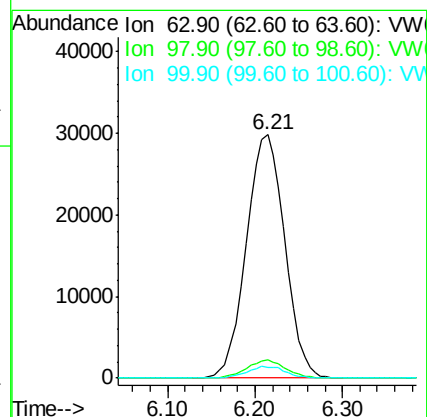
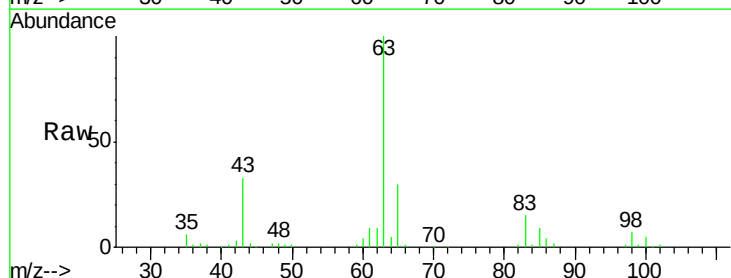
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

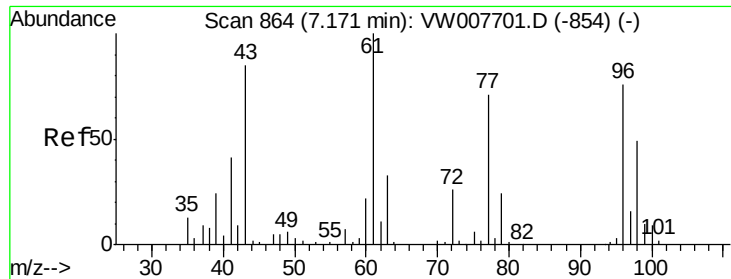
Tgt Ion: 43 Resp: 380878
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 68.855 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 63 Resp: 91137
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.6 10.9
 100 4.6 2.5 7.5





#25

2-Butanone

Concen: 345.056 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

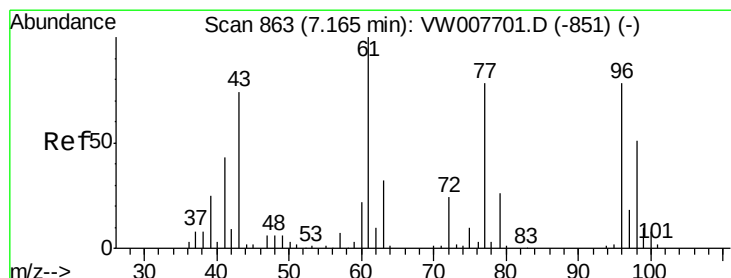
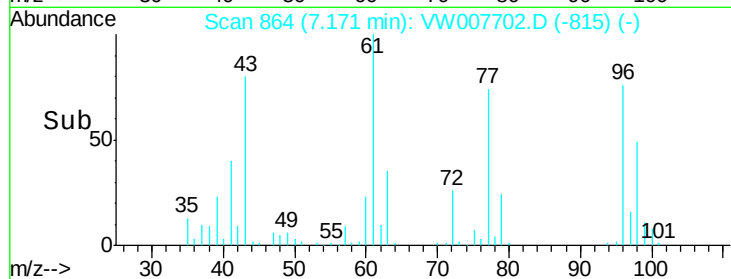
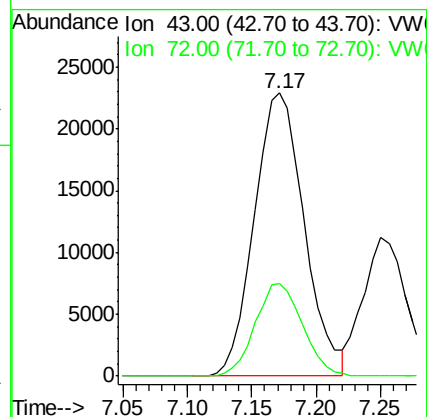
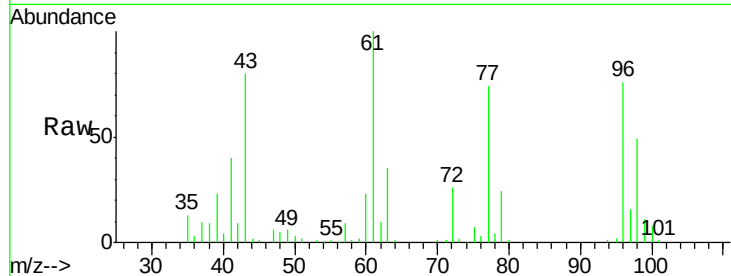
VSTDIC075

Tgt Ion: 43 Resp: 61606

Ion Ratio Lower Upper

43 100

72 32.9 24.5 36.7



#26

2,2-Dichloropropane

Concen: 68.436 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007702.D

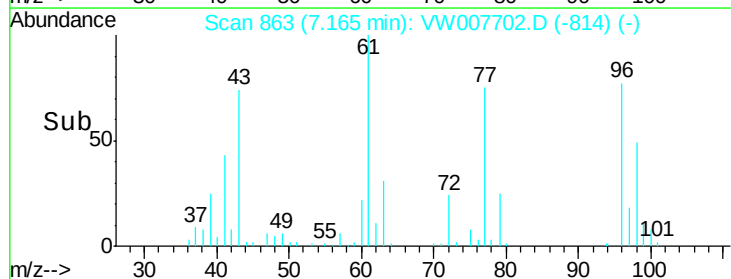
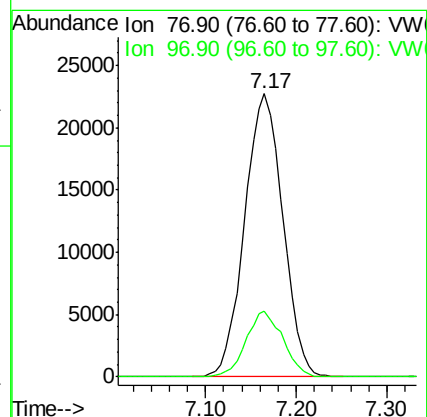
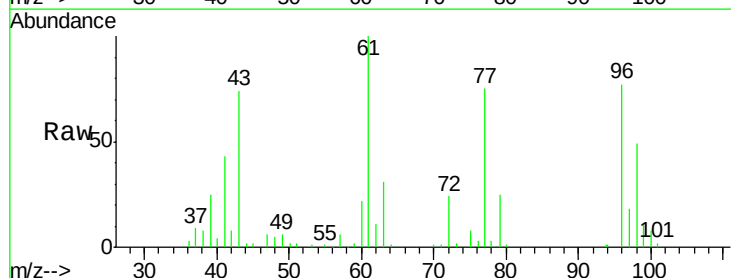
Acq: 19 Dec 2018 15:19

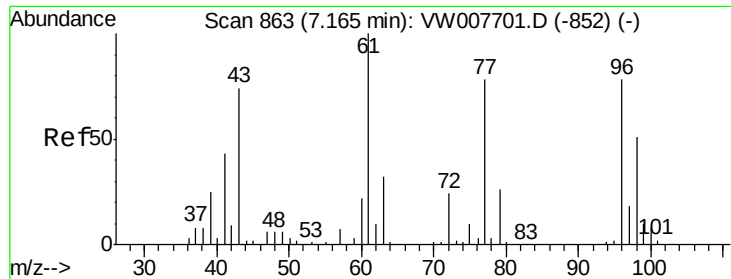
Tgt Ion: 77 Resp: 66285

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9



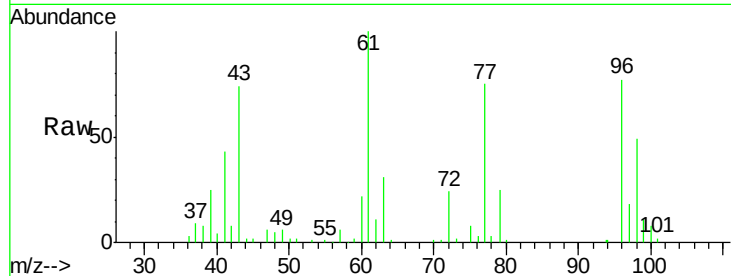


#27

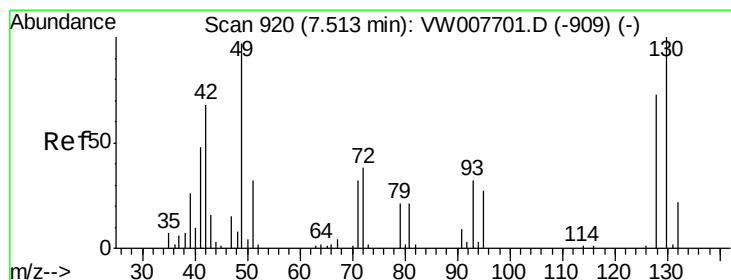
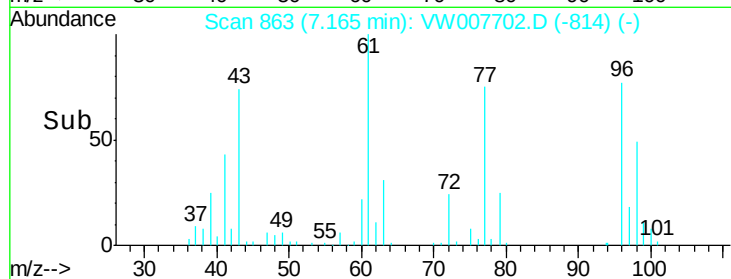
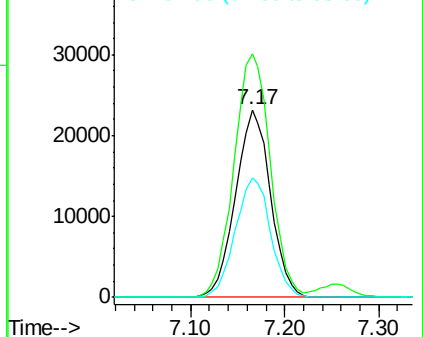
cis-1,2-Dichloroethene
Concen: 69.840 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 96 Resp: 59962
Ion Ratio Lower Upper
96 100
61 135.0 0.0 271.6
98 64.5 0.0 131.2



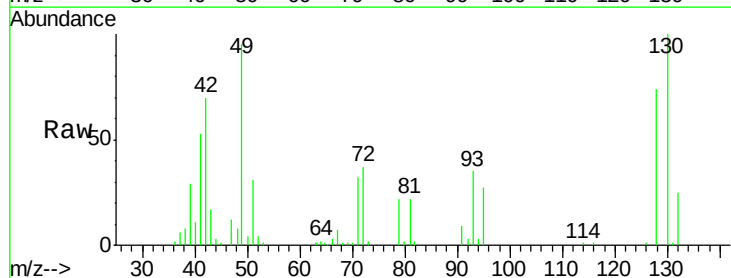
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



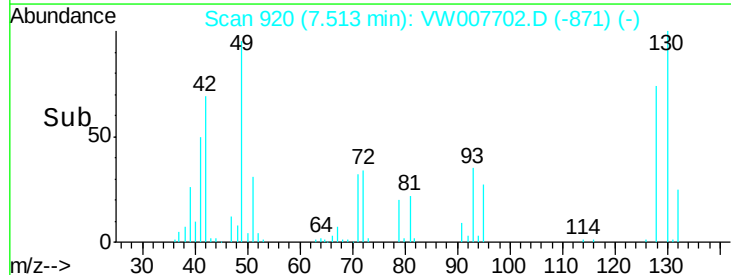
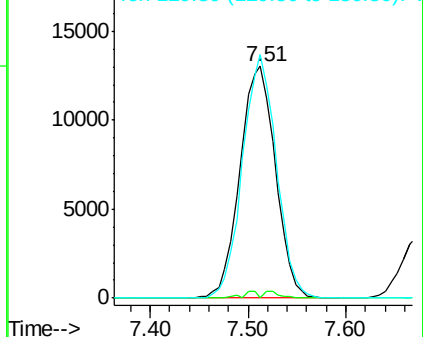
#28

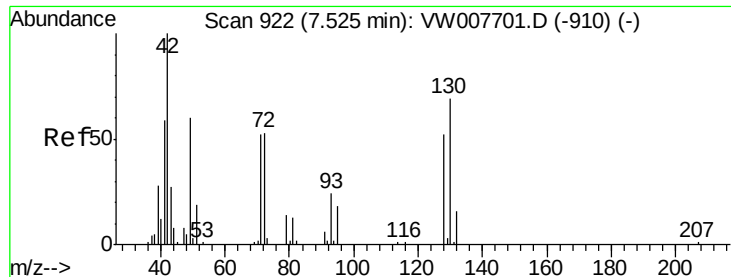
Bromochloromethane
Concen: 72.991 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 49 Resp: 32940
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.2
130 99.9 81.5 122.3



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

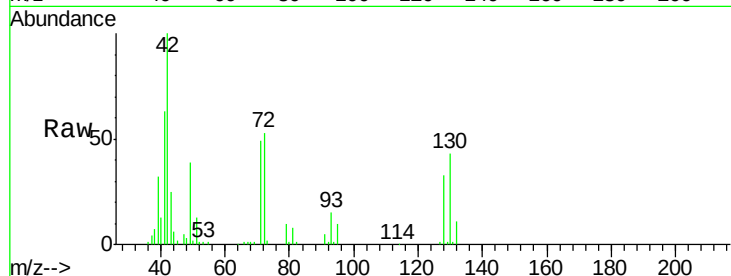




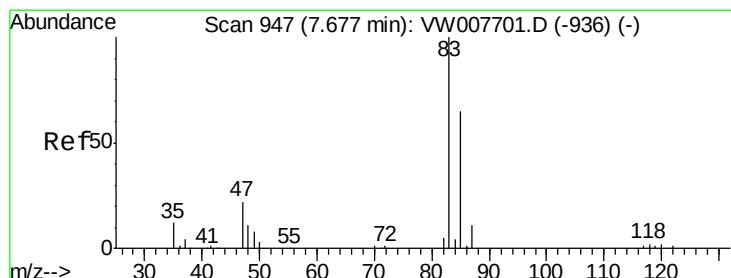
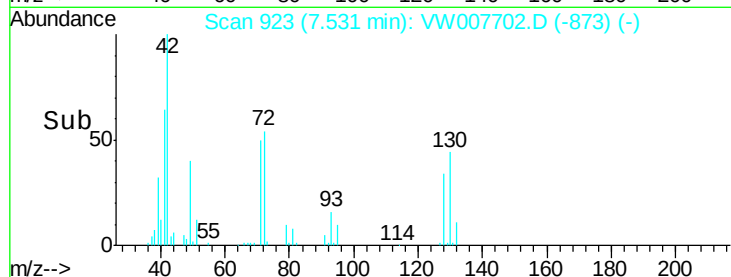
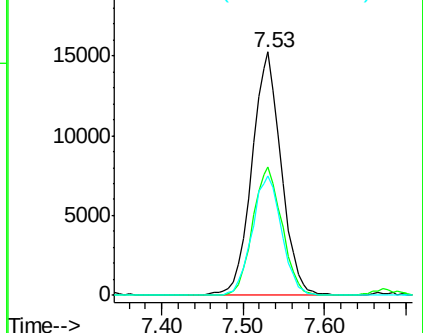
#29
Tetrahydrofuran
Concen: 359.460 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 42 Resp: 38281
Ion Ratio Lower Upper
42 100
72 52.4 41.7 62.5
71 49.1 39.0 58.6

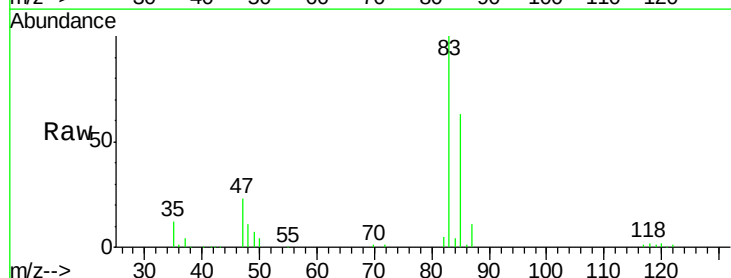


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

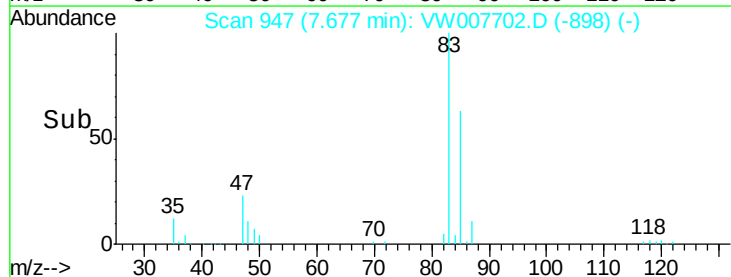
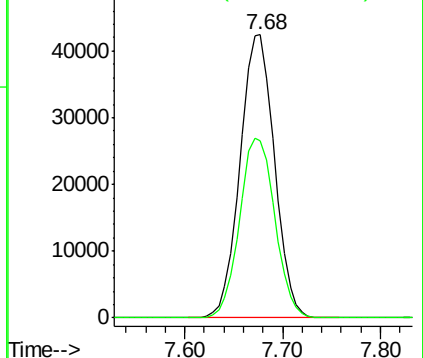


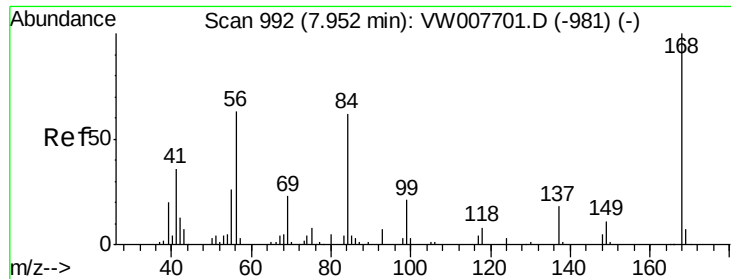
#30
Chloroform
Concen: 69.121 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 83 Resp: 103537
Ion Ratio Lower Upper
83 100
85 62.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

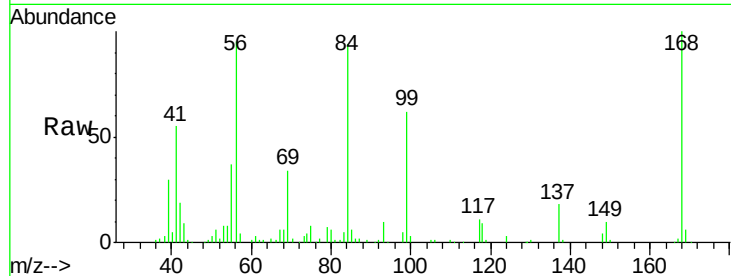




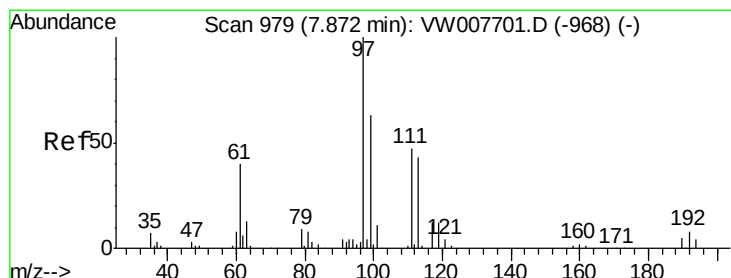
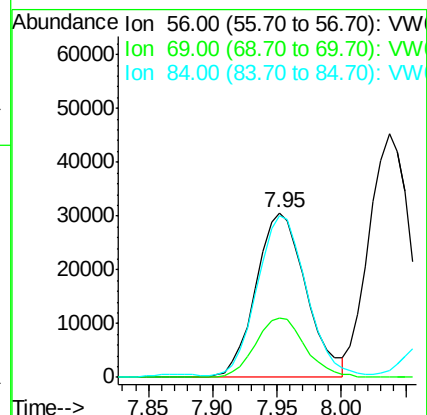
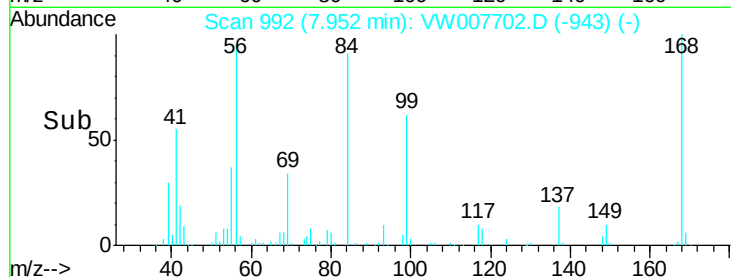
#31
Cyclohexane
Concen: 68.069 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion: 56 Resp: 82482
Ion Ratio Lower Upper
56 100
69 35.9 29.7 44.5
84 97.0 78.9 118.3

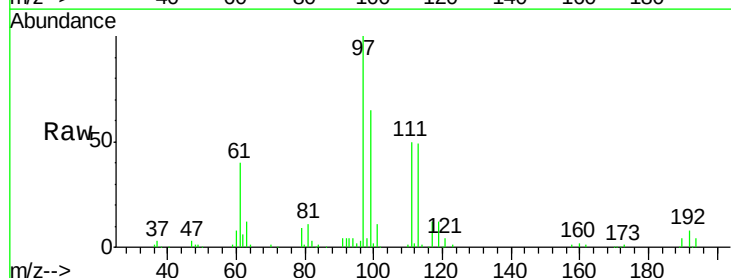


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

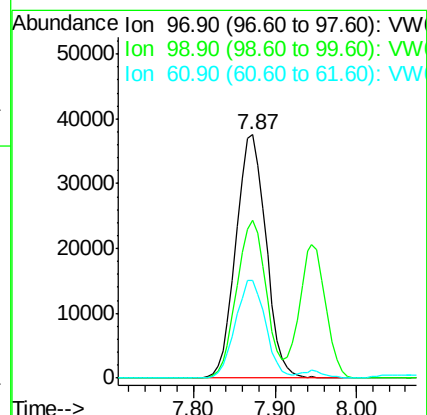
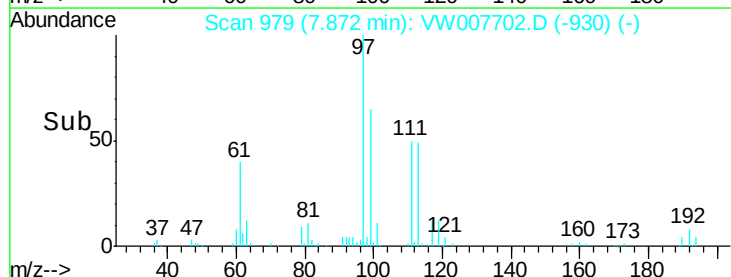


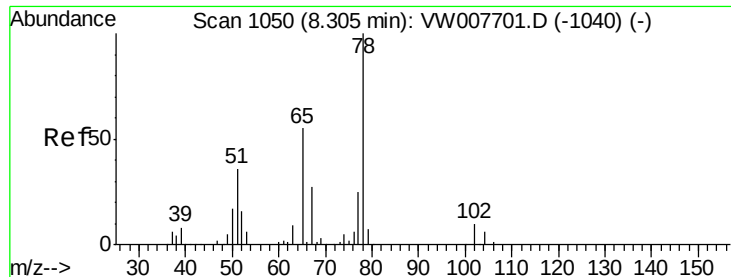
#32
1,1,1-Trichloroethane
Concen: 70.219 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 97 Resp: 95795
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 40.1 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

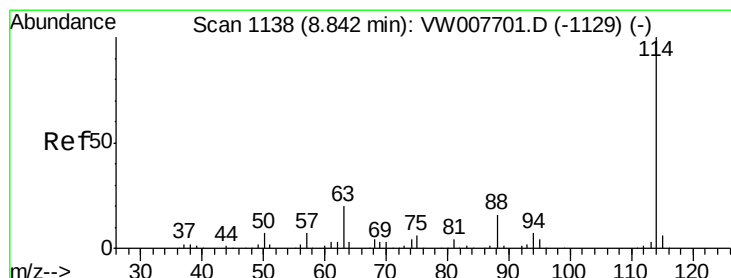
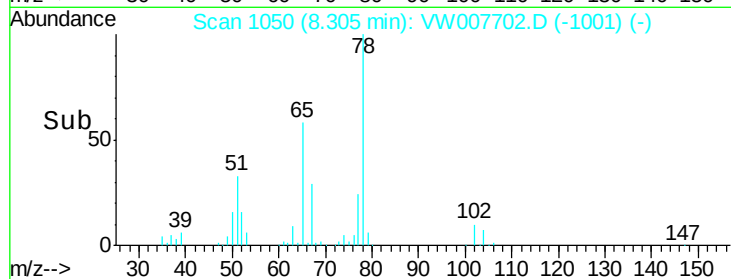
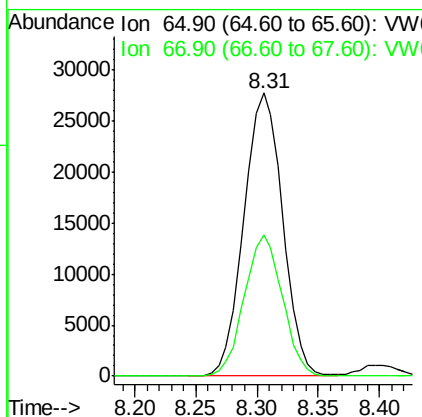
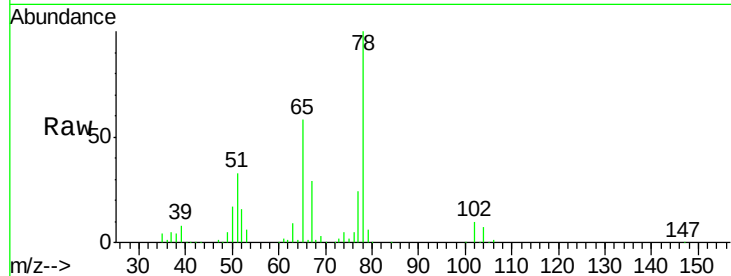




#33
 1,2-Dichloroethane-d4
 Concen: 75.247 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

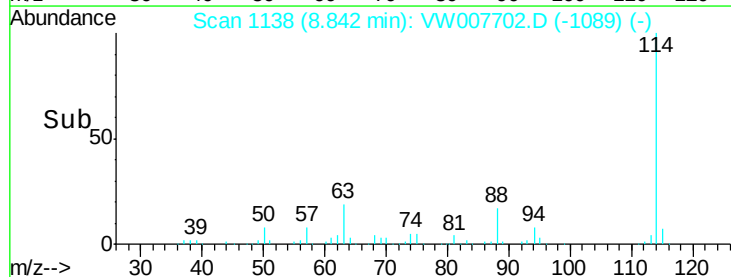
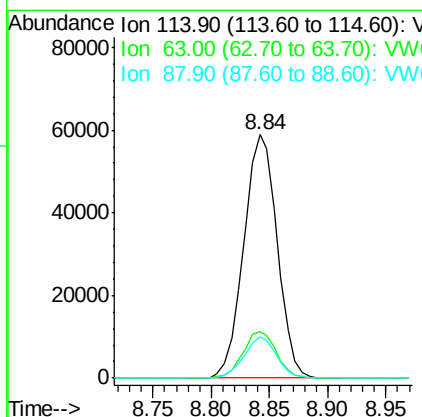
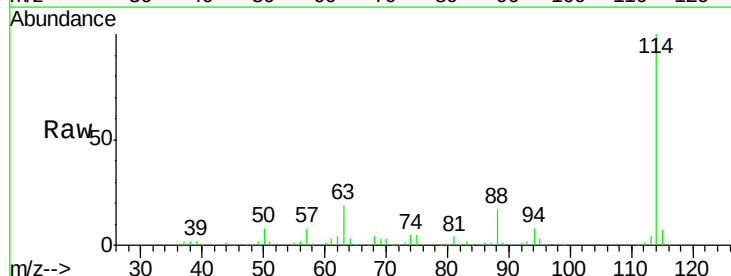
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

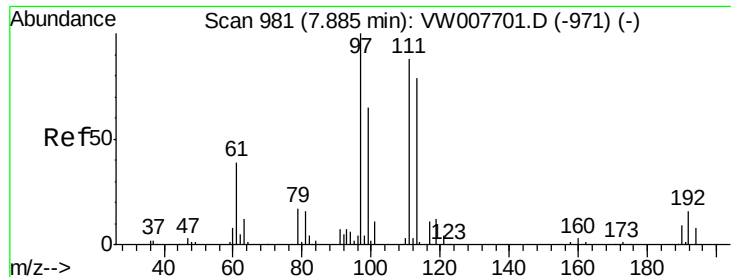
Tgt Ion: 65 Resp: 61251
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 114 Resp: 118001
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 75.790 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

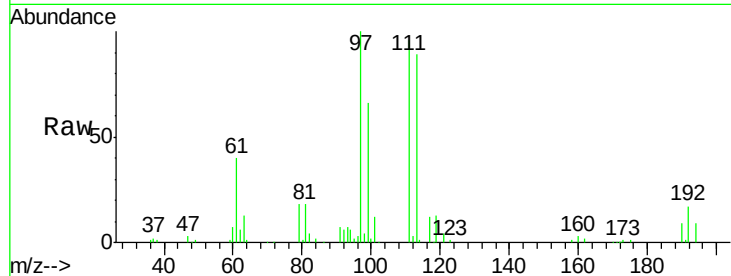
Tgt Ion: 113 Resp: 54559

Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

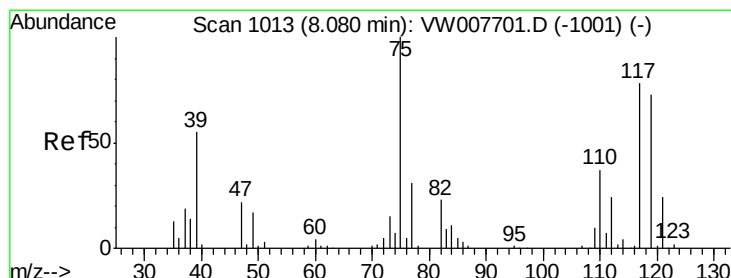
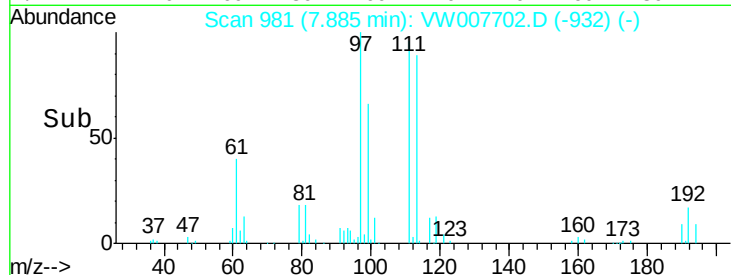
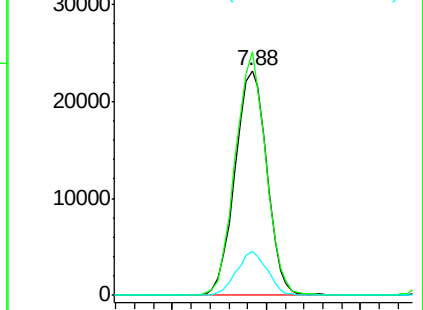
192 18.8 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 70.152 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

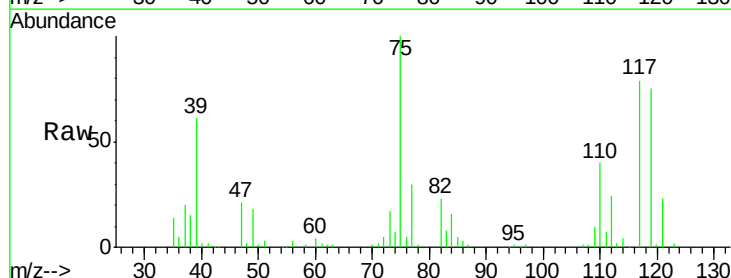
Tgt Ion: 75 Resp: 79898

Ion Ratio Lower Upper

75 100

110 38.5 18.6 55.8

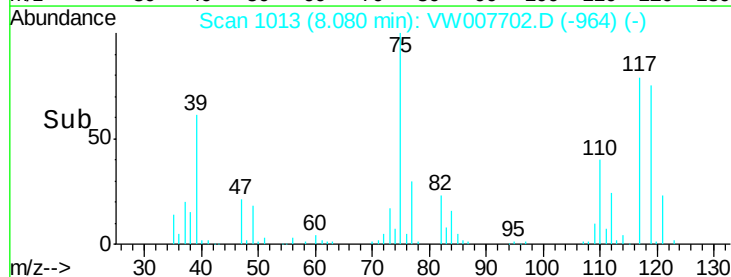
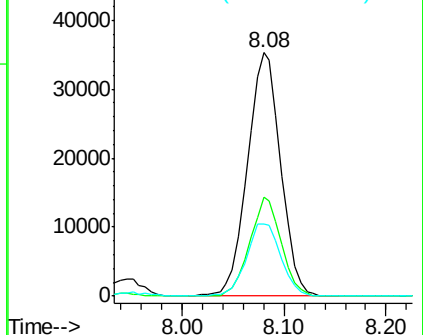
77 31.1 25.0 37.4

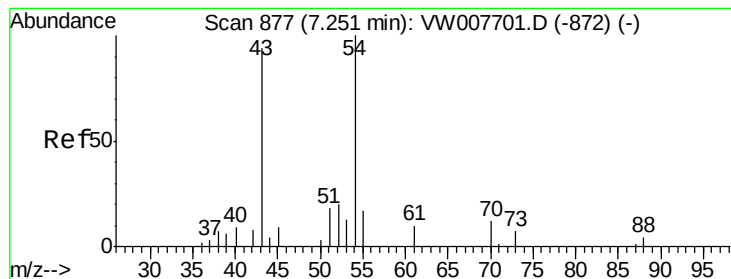


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 68.957 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

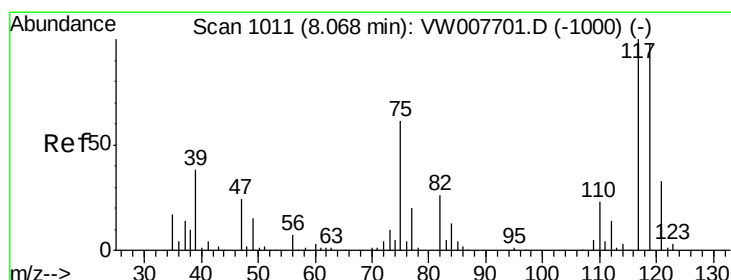
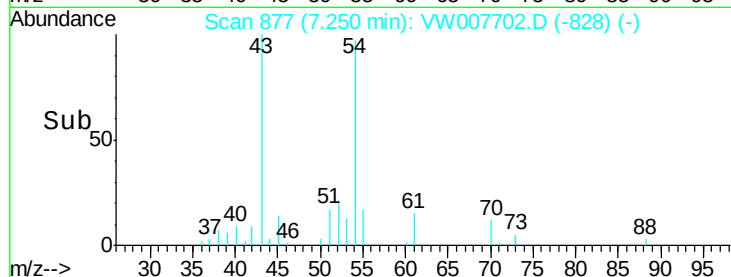
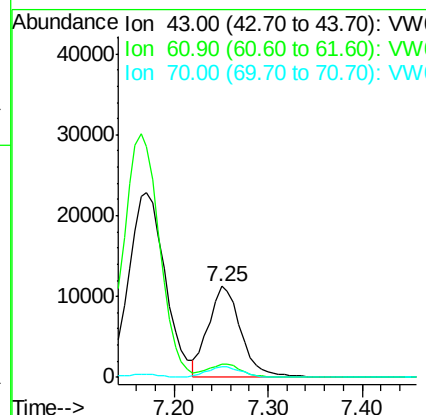
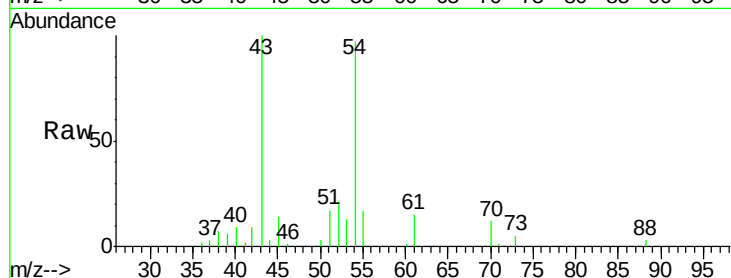
Tgt Ion: 43 Resp: 27104

Ion Ratio Lower Upper

43 100

61 14.6 11.2 16.8

70 12.8 9.3 13.9



#38

Carbon Tetrachloride

Concen: 71.126 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

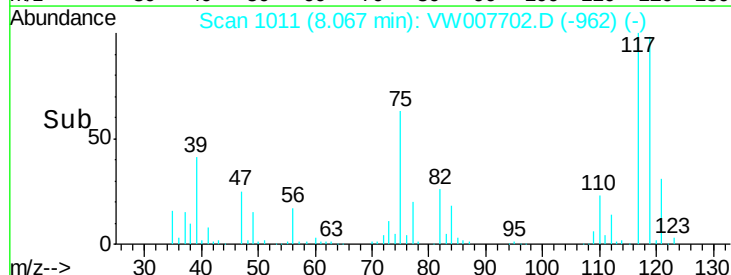
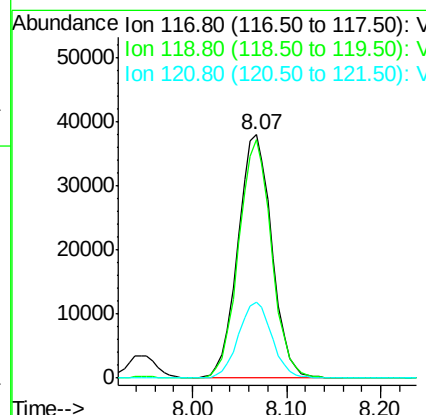
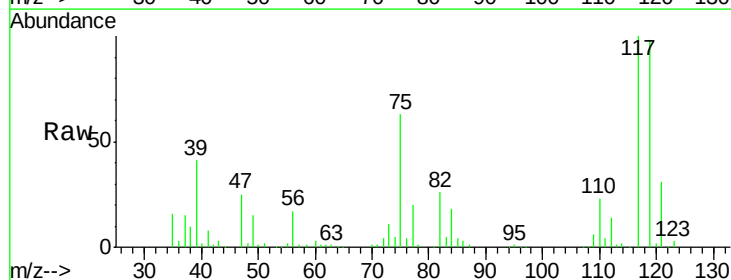
Tgt Ion: 117 Resp: 95401

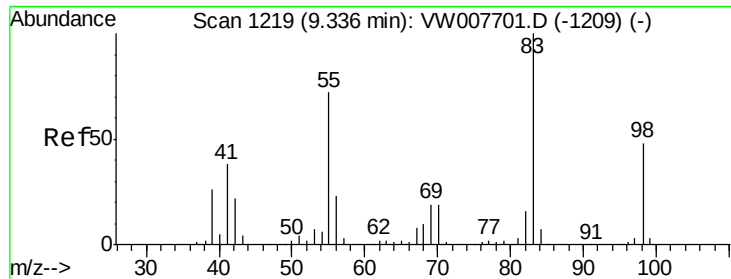
Ion Ratio Lower Upper

117 100

119 97.9 78.2 117.2

121 31.4 26.1 39.1

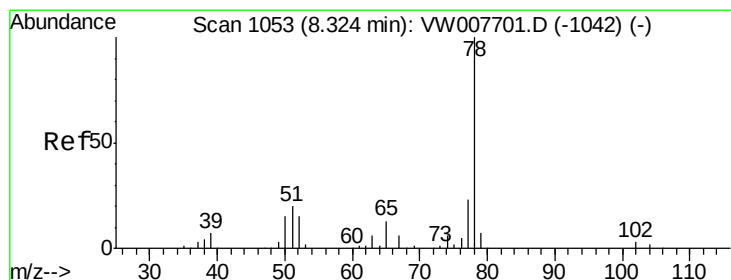
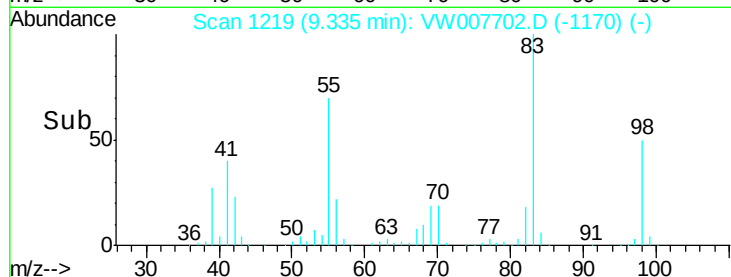
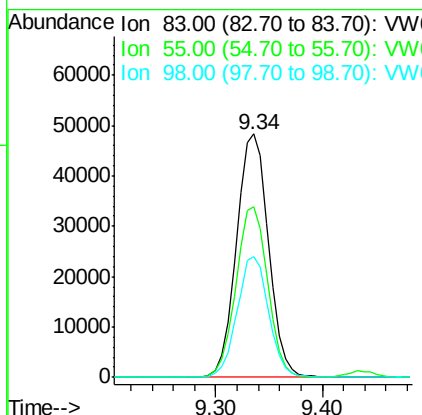
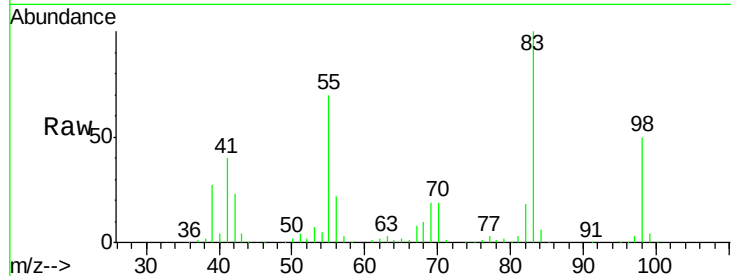




#39
Methylcyclohexane
Concen: 72.130 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

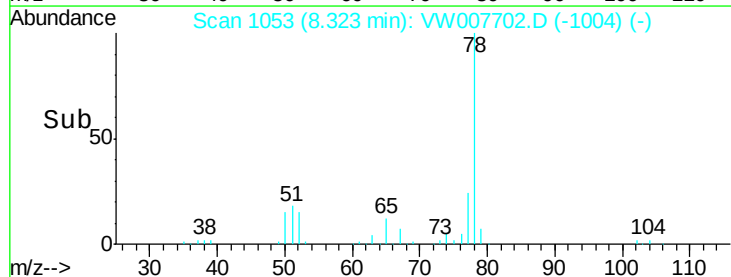
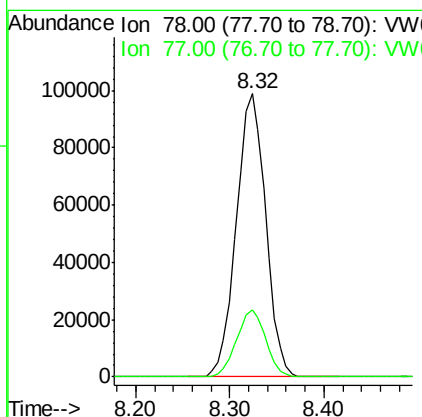
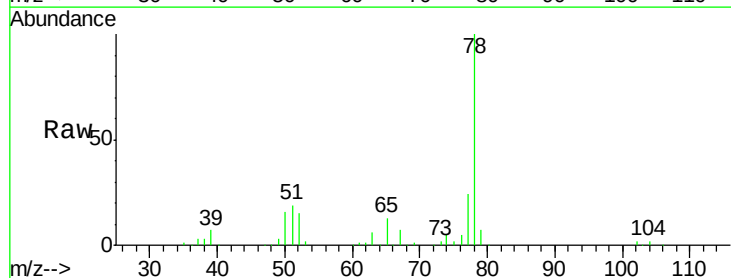
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

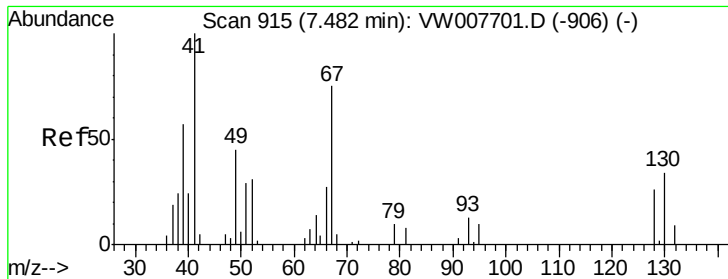
Tgt Ion: 83 Resp: 102080
Ion Ratio Lower Upper
83 100
55 69.9 57.2 85.8
98 49.6 38.6 58.0



#40
Benzene
Concen: 70.754 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 78 Resp: 215035
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

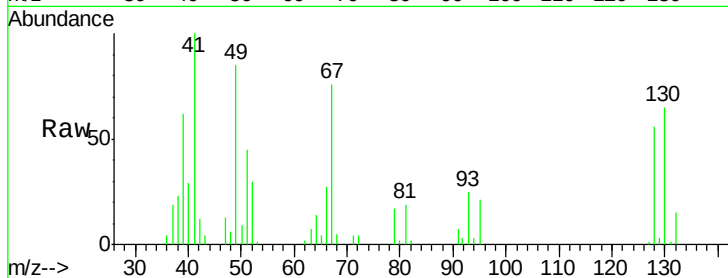




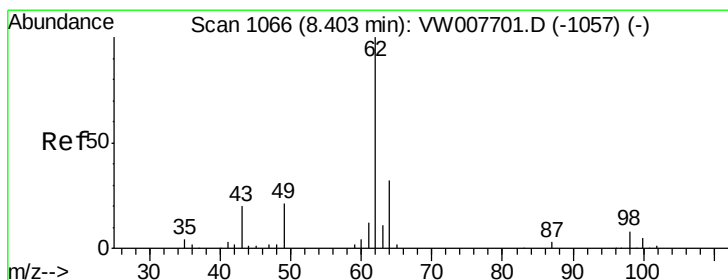
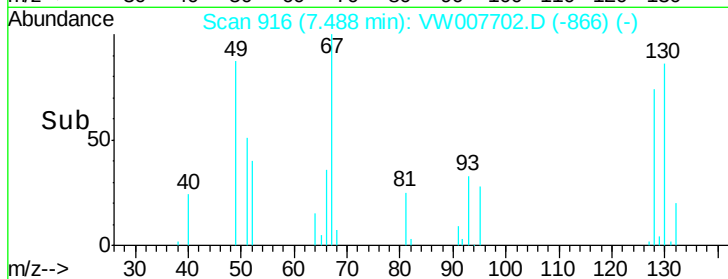
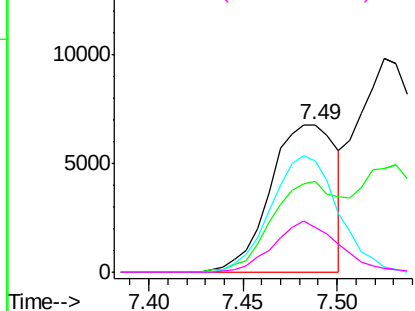
#41
Methacrylonitrile
Concen: 73.952 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tgt Ion:	41	Resp:	16503
Ion	Ratio	Lower	Upper
41	100		
39	67.4	54.2	81.4
67	79.8	65.7	98.5
52	33.8	26.2	39.4

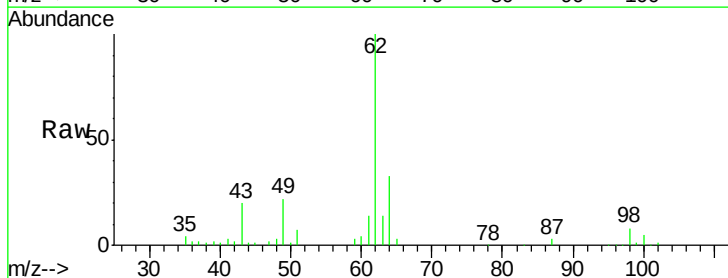


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

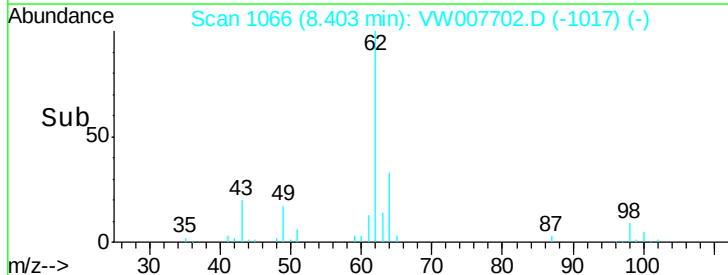
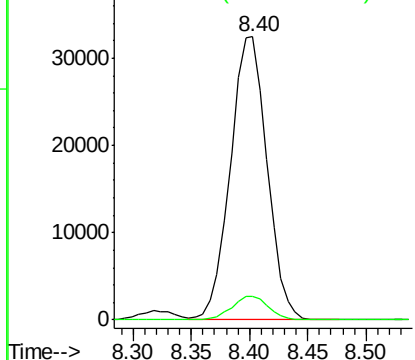


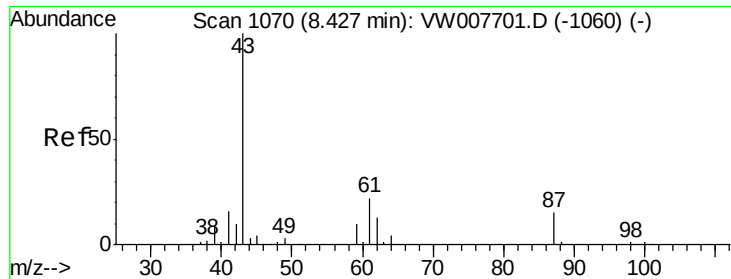
#42
1,2-Dichloroethane
Concen: 70.020 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion:	62	Resp:	71315
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 71.482 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

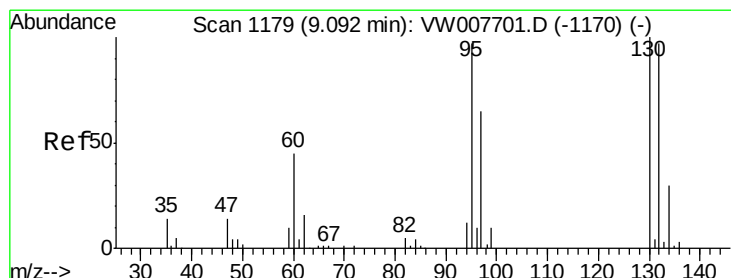
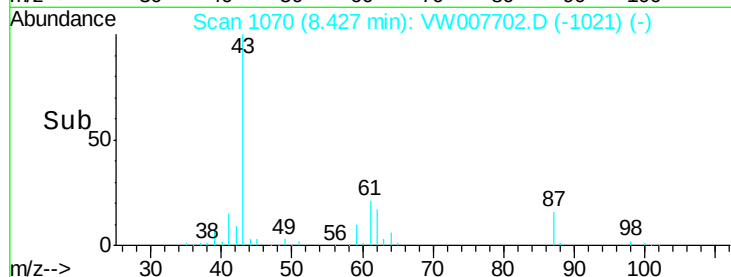
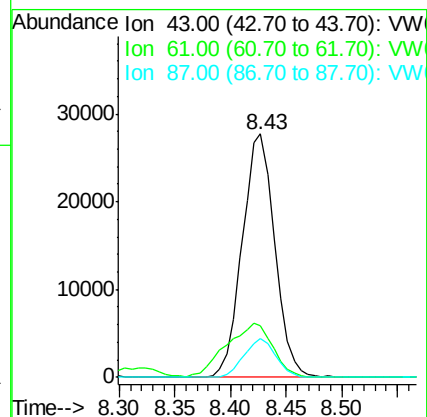
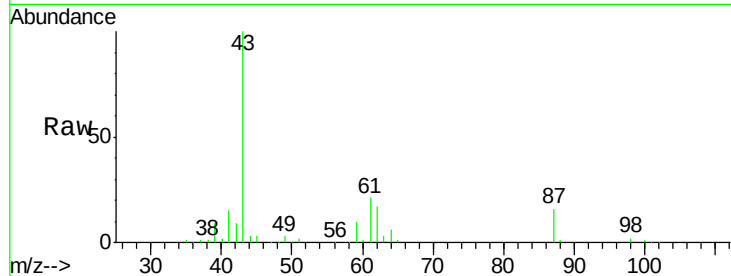
Tgt Ion: 43 Resp: 56290

Ion Ratio Lower Upper

43 100

61 31.6 26.3 39.5

87 15.6 12.0 18.0



#44

Trichloroethene

Concen: 69.450 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007702.D

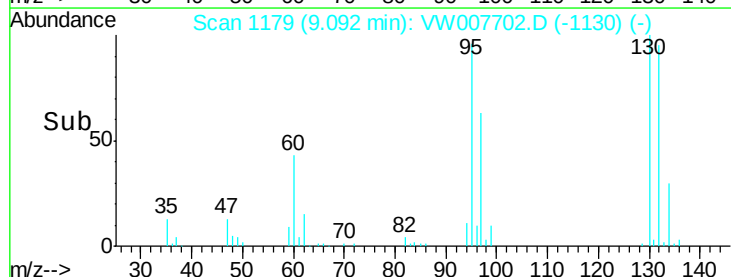
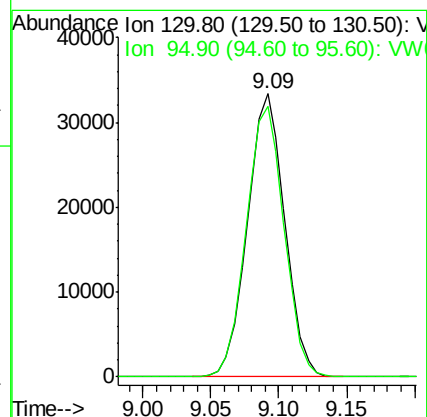
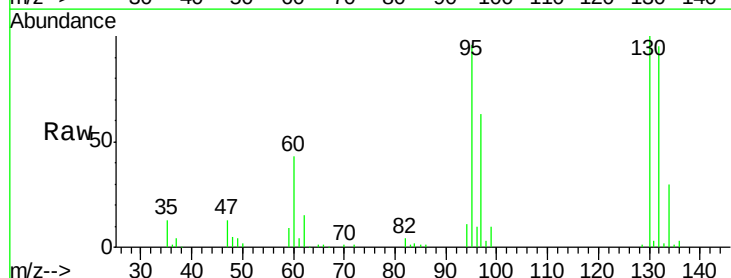
Acq: 19 Dec 2018 15:19

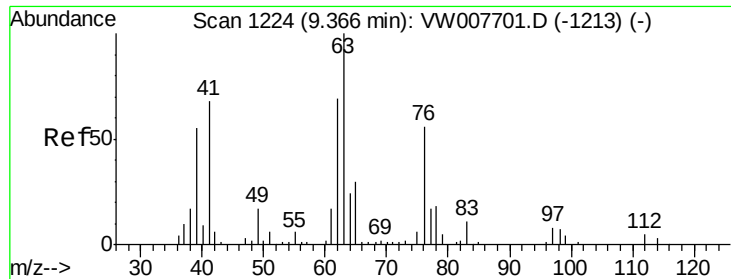
Tgt Ion: 130 Resp: 63831

Ion Ratio Lower Upper

130 100

95 95.8 0.0 194.8

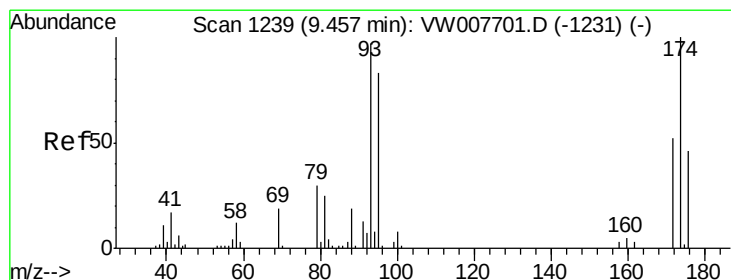
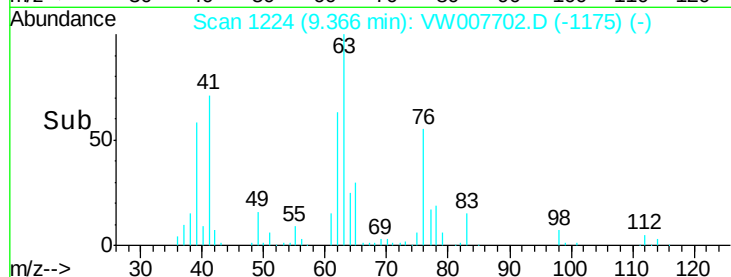
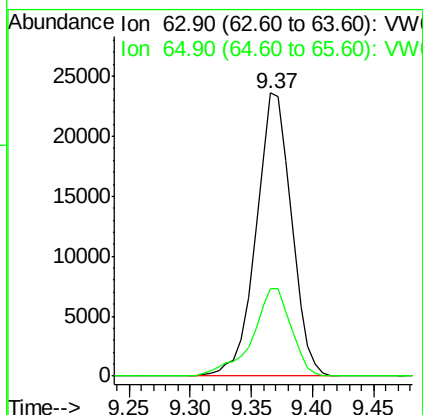
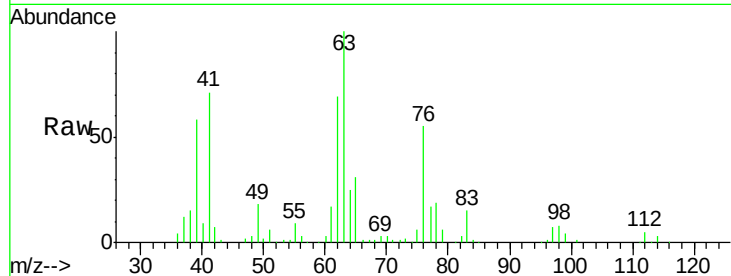




#45
 1,2-Dichloropropane
 Concen: 70.622 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

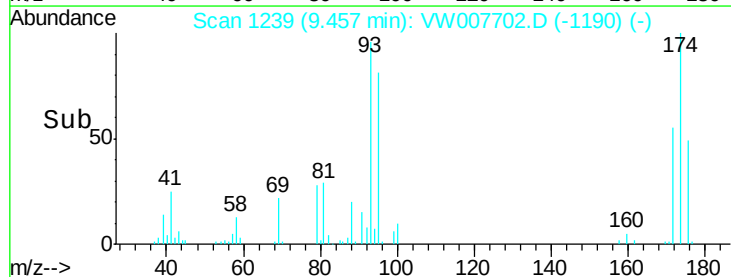
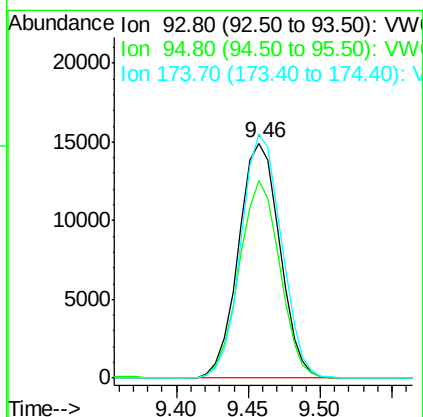
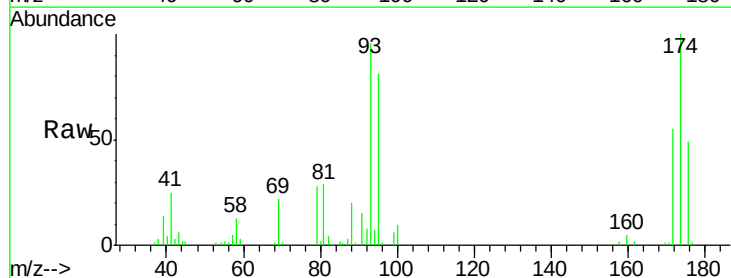
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

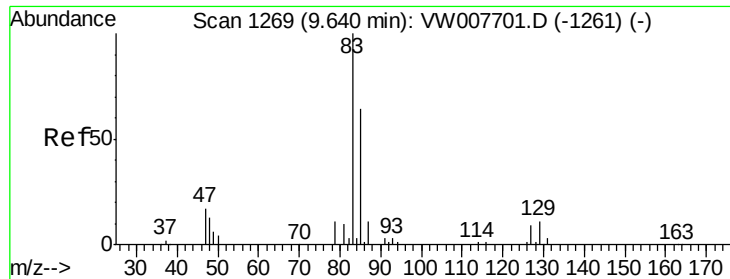
Tgt Ion: 63 Resp: 47625
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.8



#46
 Dibromomethane
 Concen: 71.574 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 93 Resp: 29712
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.5 101.3
 174 101.7 83.9 125.9





#47

Bromodichloromethane

Concen: 70.675 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

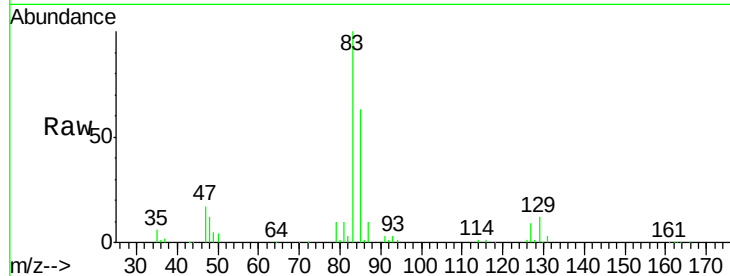
Tgt Ion: 83 Resp: 77129

Ion Ratio Lower Upper

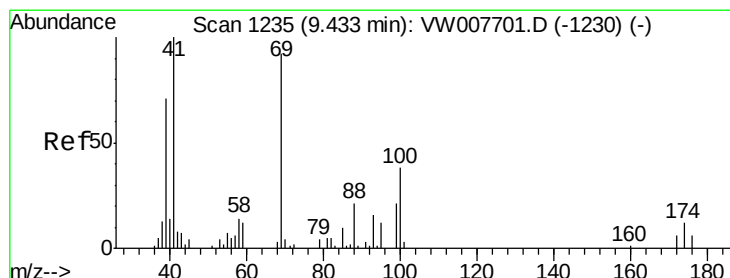
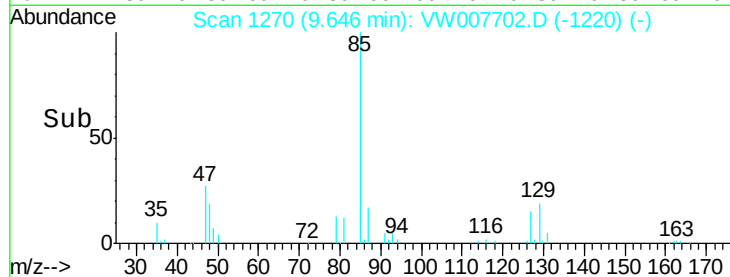
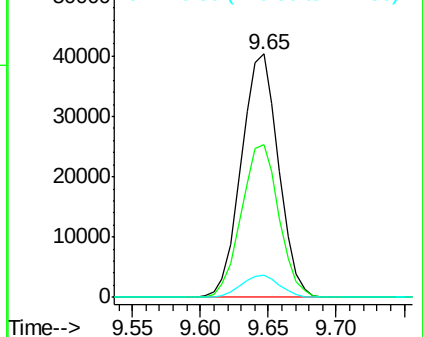
83 100

85 62.9 51.4 77.0

127 9.1 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 72.392 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

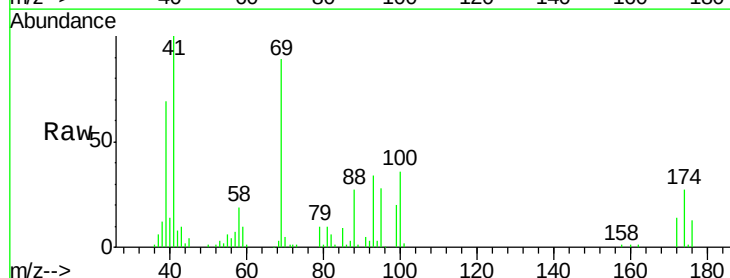
Tgt Ion: 41 Resp: 28455

Ion Ratio Lower Upper

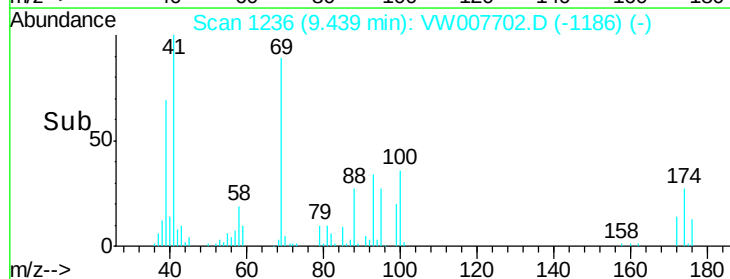
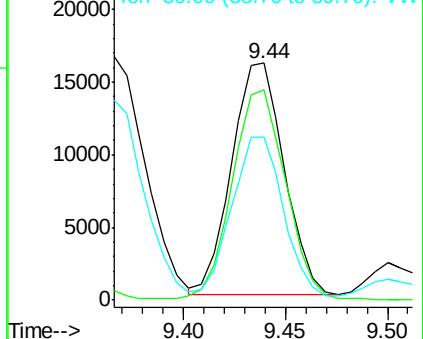
41 100

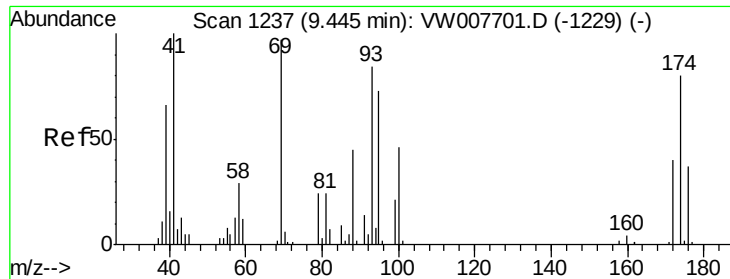
69 93.0 74.2 111.2

39 67.1 53.9 80.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

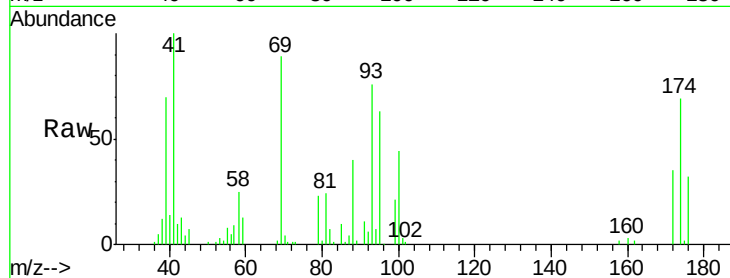




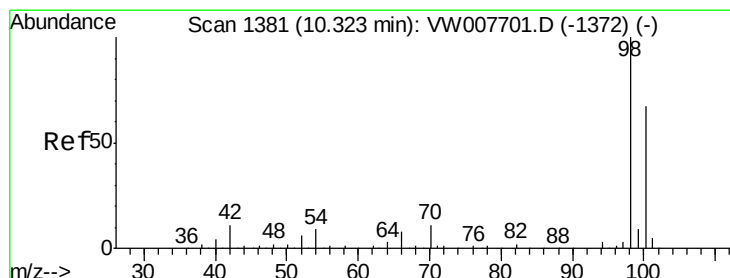
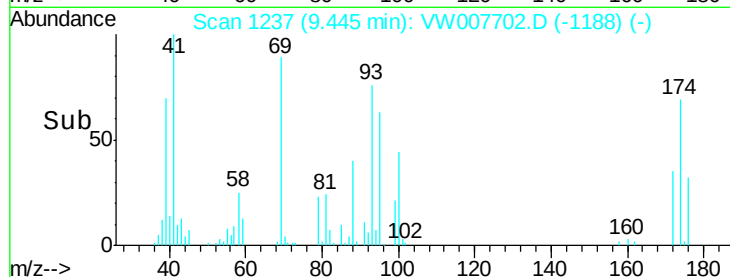
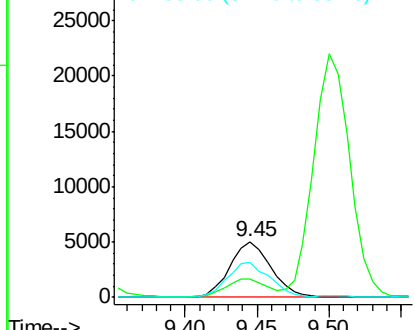
#49
 1,4-Dioxane
 Concen: 1518.178 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion: 88 Resp: 9992
 Ion Ratio Lower Upper
 88 100
 43 32.8 25.6 38.4
 58 64.8 52.3 78.5

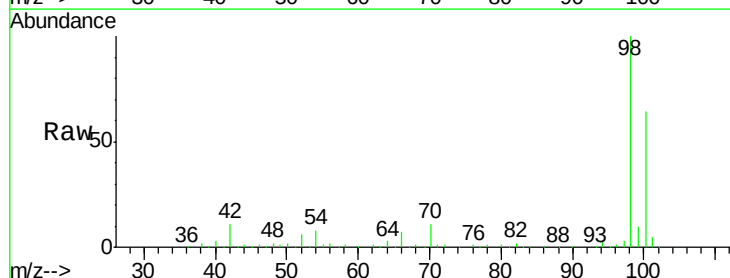


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

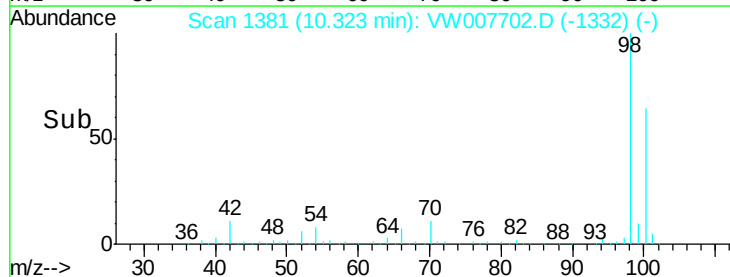
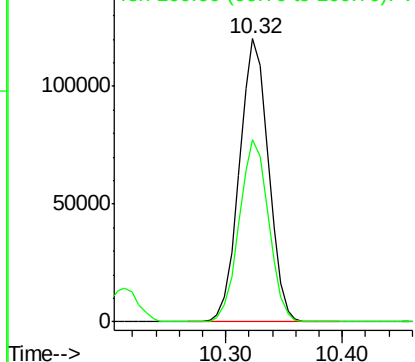


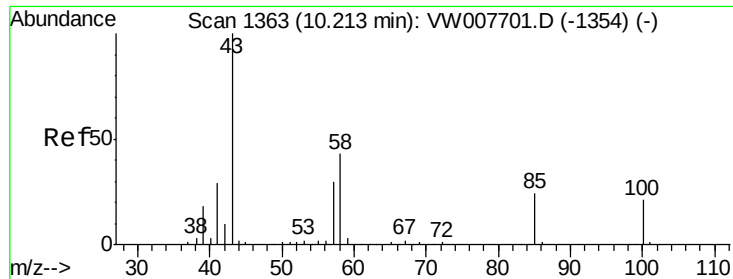
#50
 Toluene-d8
 Concen: 77.347 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 98 Resp: 209905
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

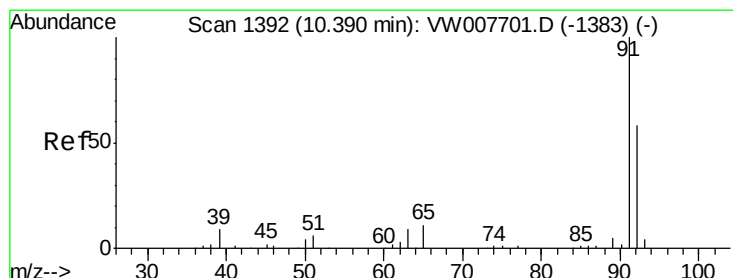
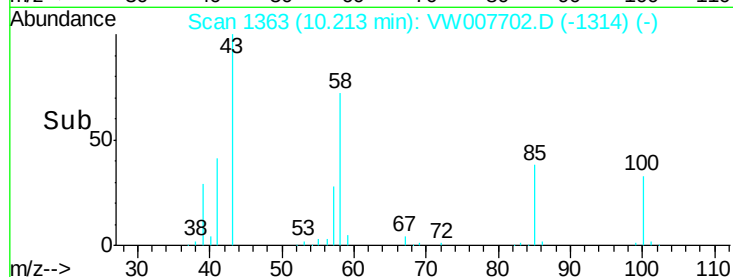
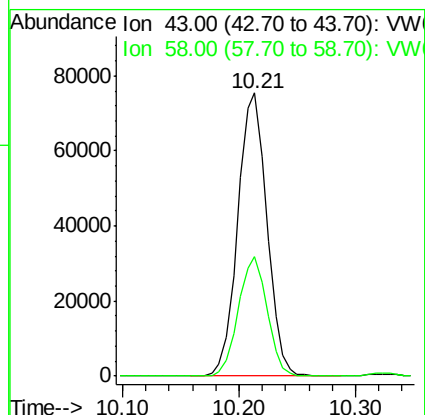
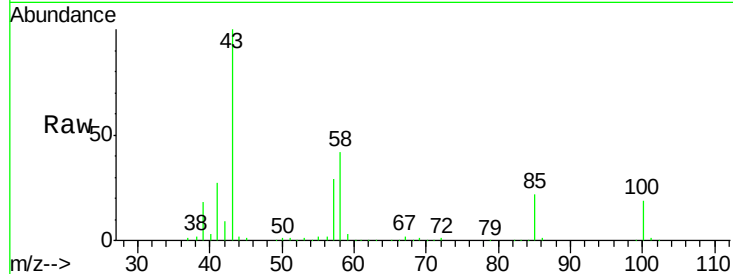




#51
4-Methyl-2-Pentanone
Concen: 354.817 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

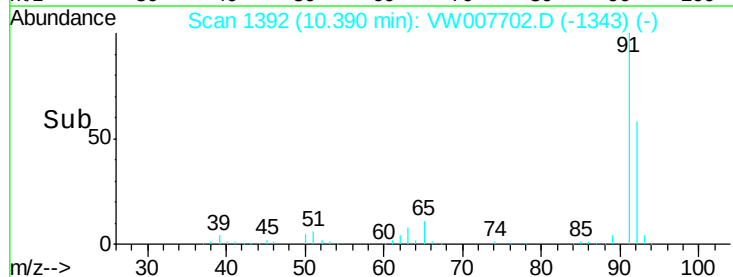
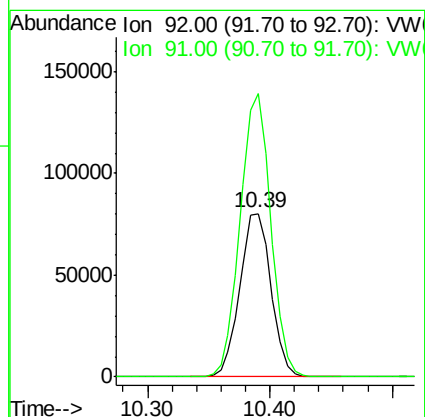
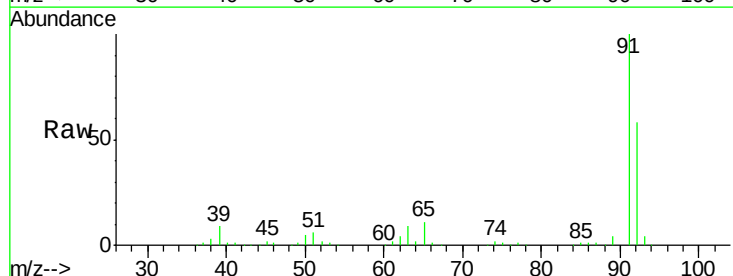
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

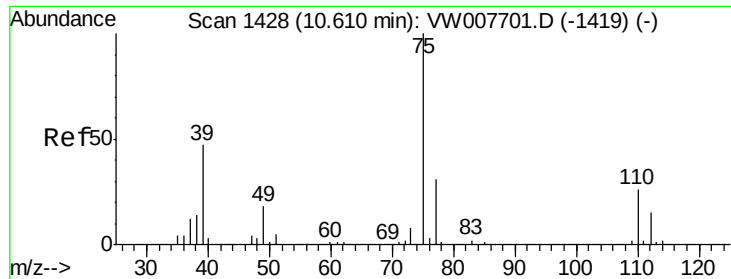
Tgt Ion: 43 Resp: 132048
Ion Ratio Lower Upper
43 100
58 41.6 33.2 49.8



#52
Toluene
Concen: 69.481 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 92 Resp: 141679
Ion Ratio Lower Upper
92 100
91 170.5 137.0 205.4

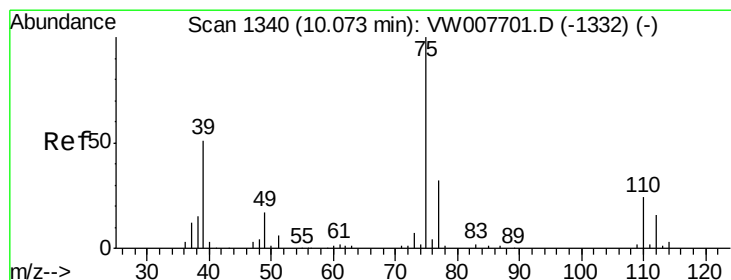
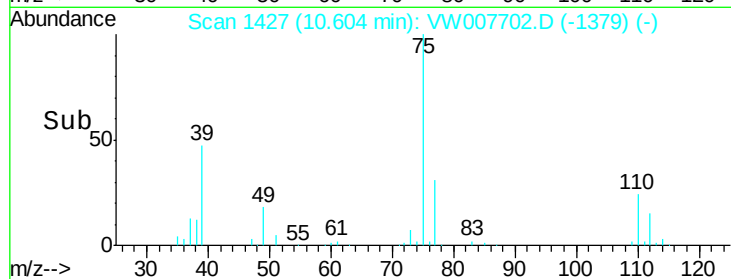
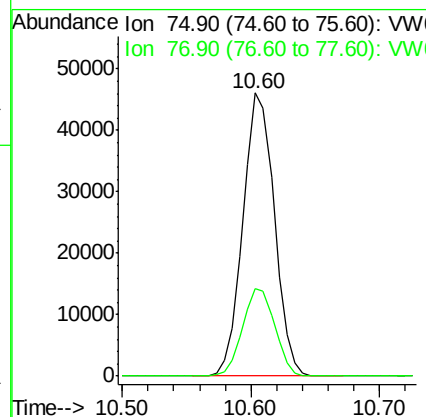
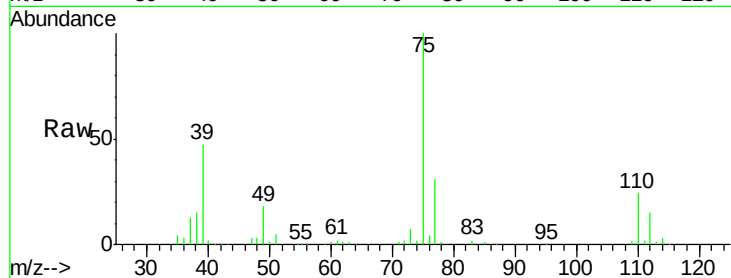




#53
 t-1,3-Dichloropropene
 Concen: 71.668 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

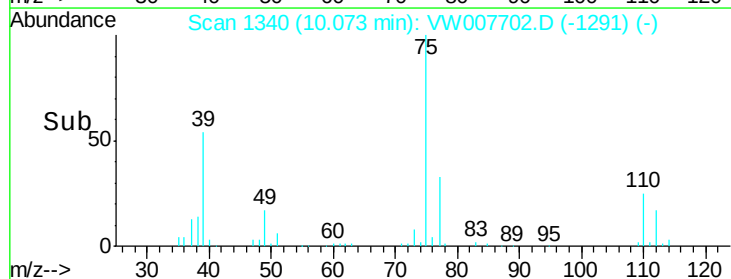
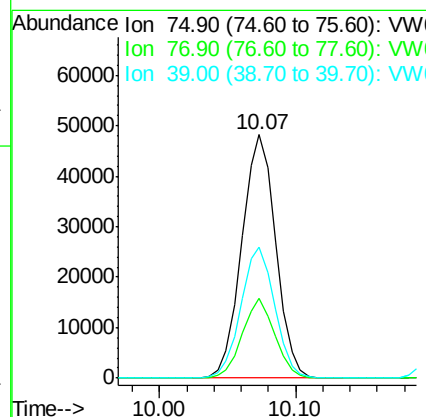
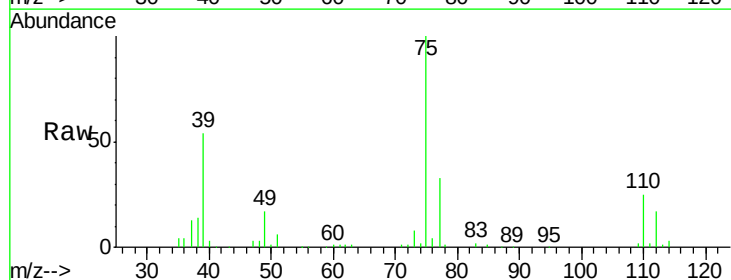
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

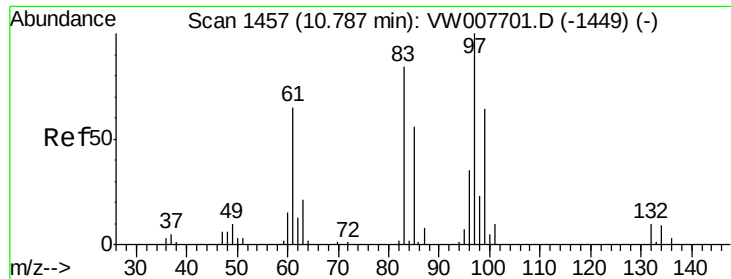
Tgt Ion: 75 Resp: 77796
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 70.241 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 75 Resp: 84220
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3
 39 53.6 41.2 61.8

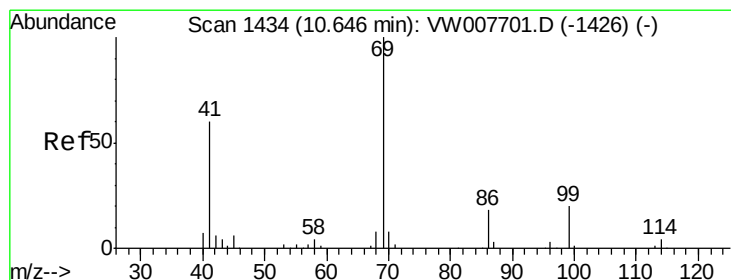
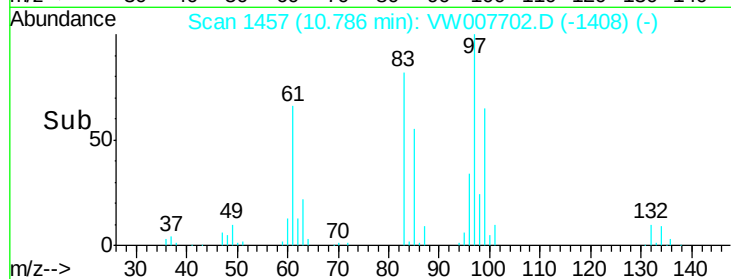
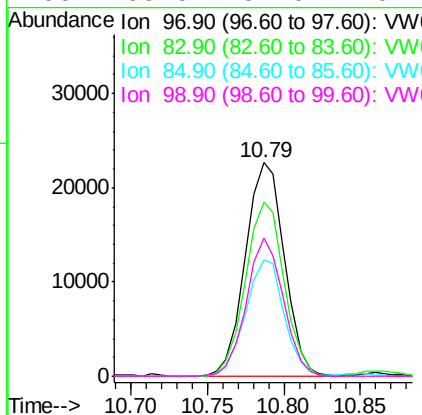
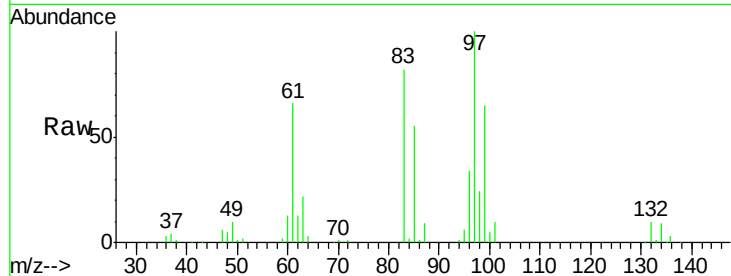




#55
 1,1,2-Trichloroethane
 Concen: 70.324 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

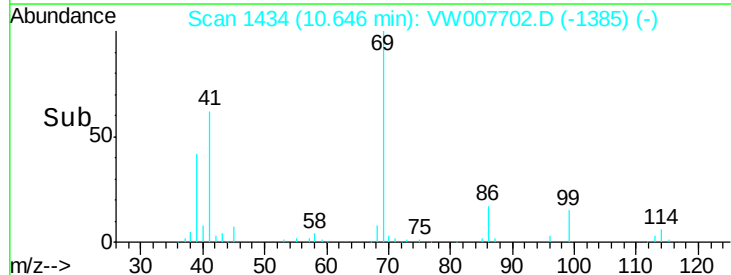
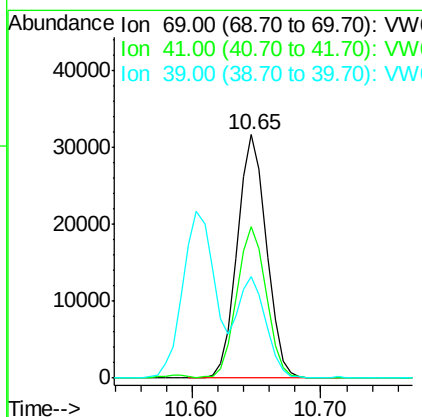
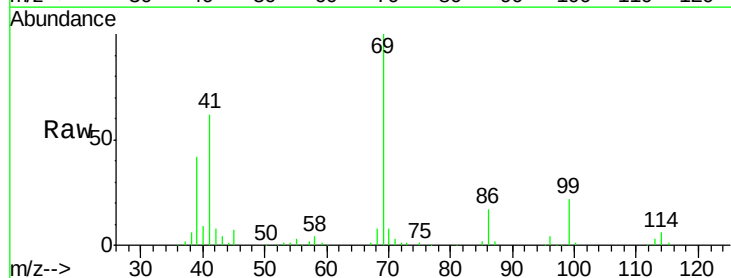
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

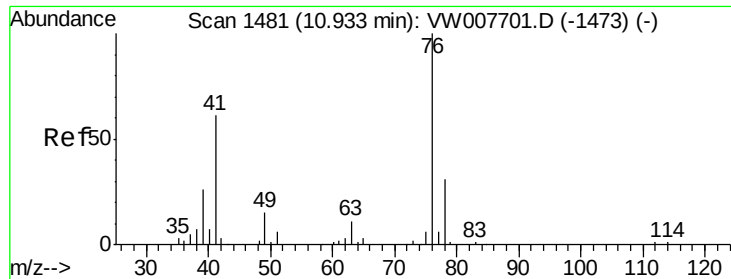
Tgt Ion:	97	Resp:	40245
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.5	101.3
85	54.8	44.8	67.2
99	65.0	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 73.317 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion:	69	Resp:	49574
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.9	73.3
39	39.9	31.3	46.9

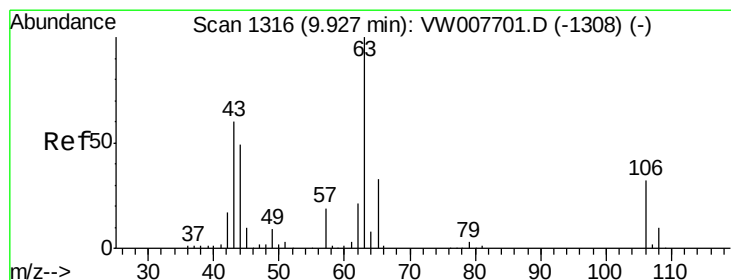
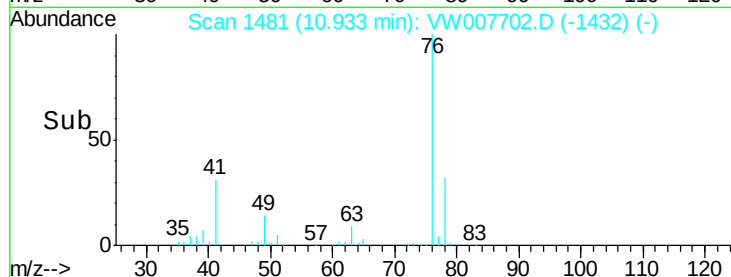
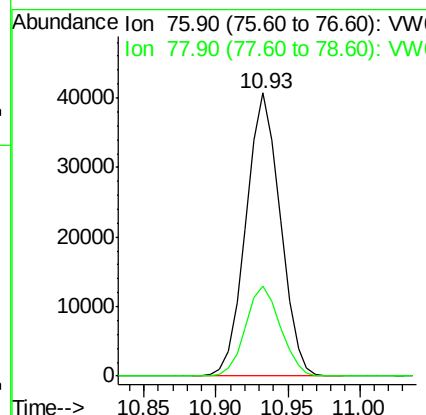
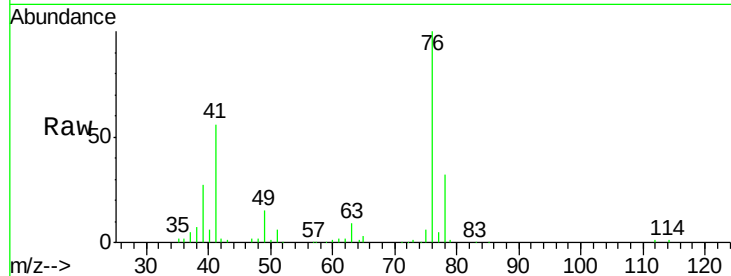




#57
 1,3-Dichloropropane
 Concen: 70.577 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

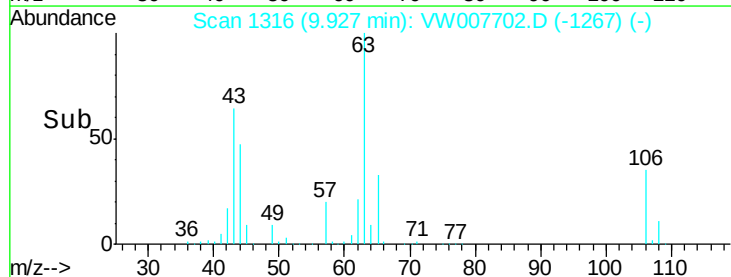
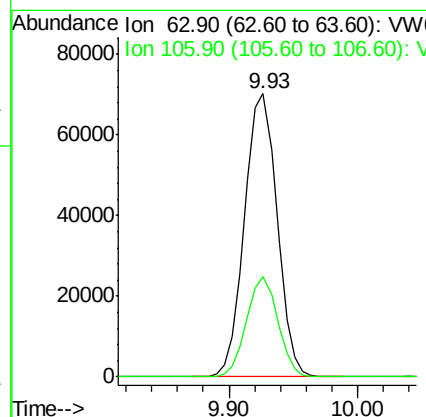
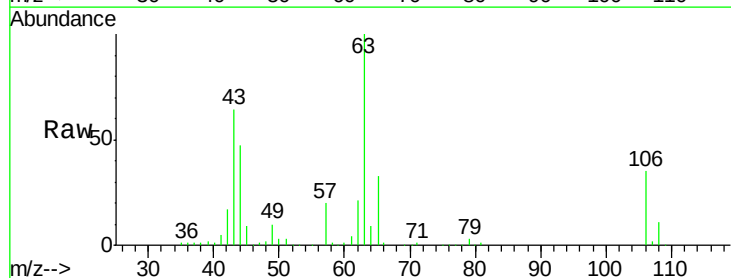
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

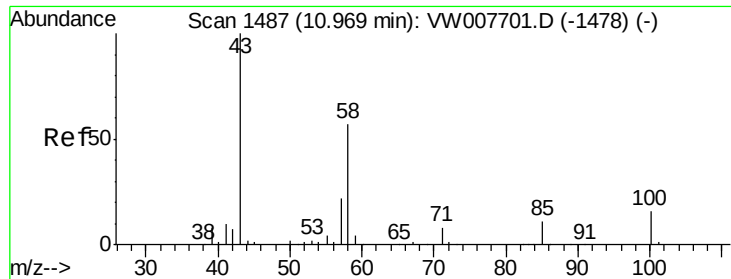
Tgt Ion: 76 Resp: 67069
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 397.964 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 63 Resp: 122857
 Ion Ratio Lower Upper
 63 100
 106 34.0 25.9 38.9





#59

2-Hexanone

Concen: 363.279 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

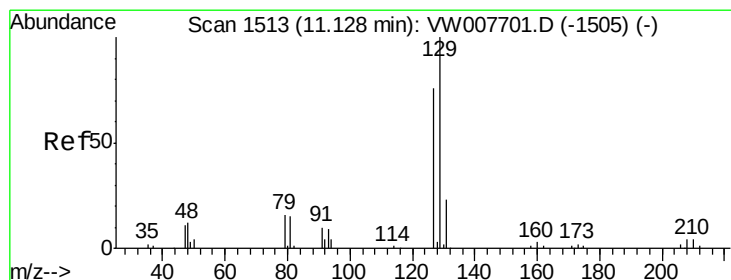
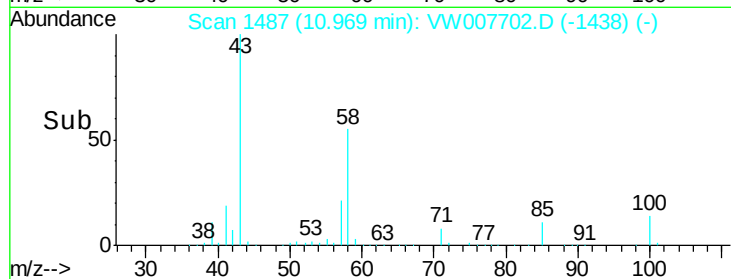
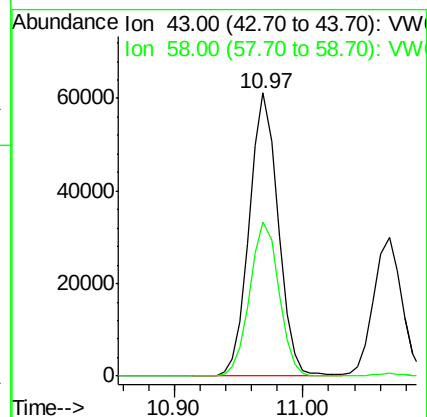
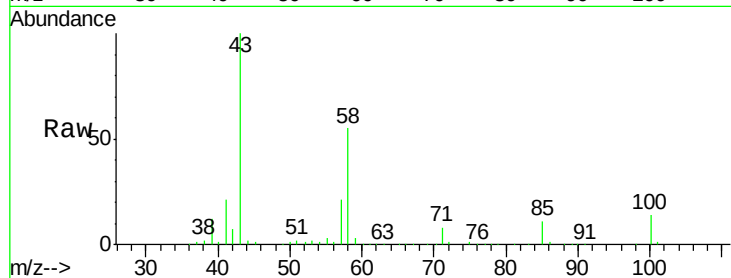
VSTDIC075

Tgt Ion: 43 Resp: 95080

Ion Ratio Lower Upper

43 100

58 54.5 27.7 83.1



#60

Dibromochloromethane

Concen: 70.291 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007702.D

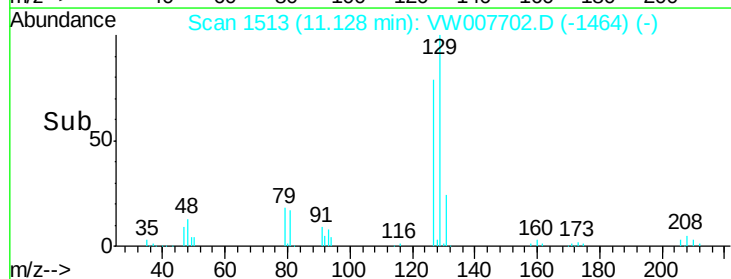
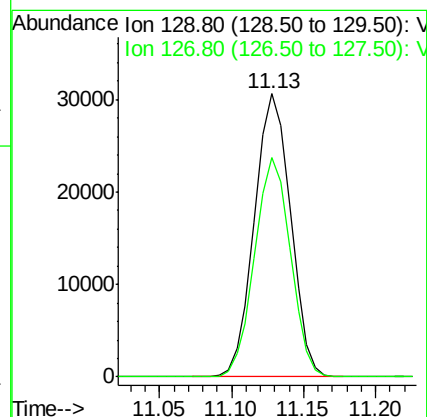
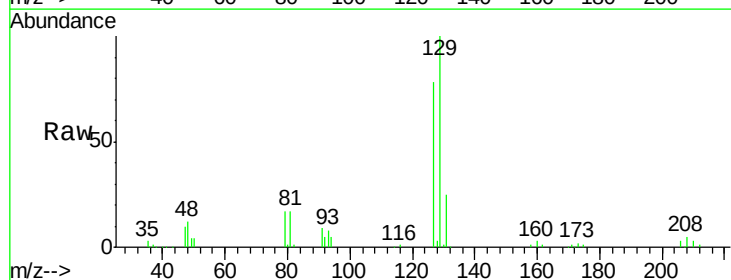
Acq: 19 Dec 2018 15:19

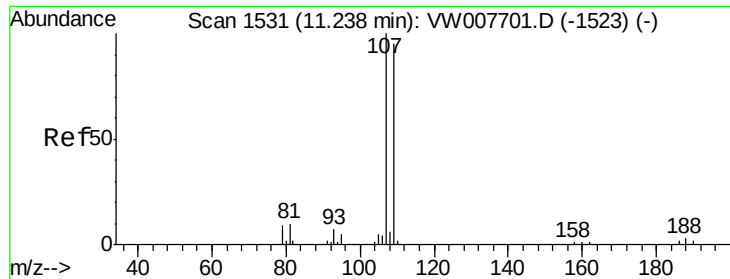
Tgt Ion: 129 Resp: 53262

Ion Ratio Lower Upper

129 100

127 76.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 69.780 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

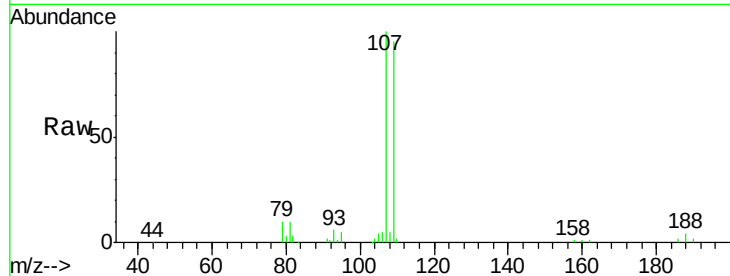
VSTDIC075

Tgt Ion: 107 Resp: 40440

Ion Ratio Lower Upper

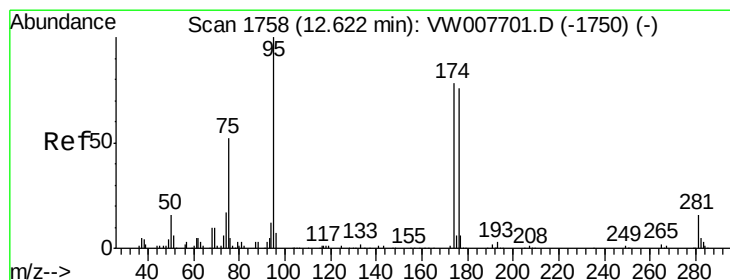
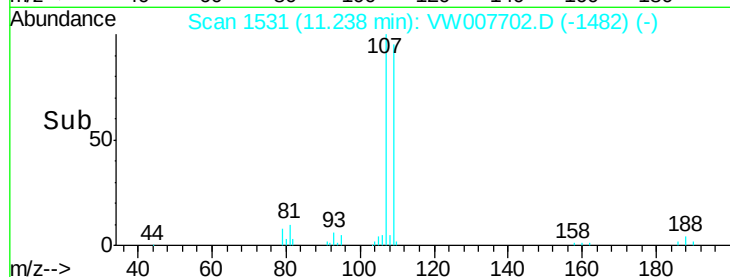
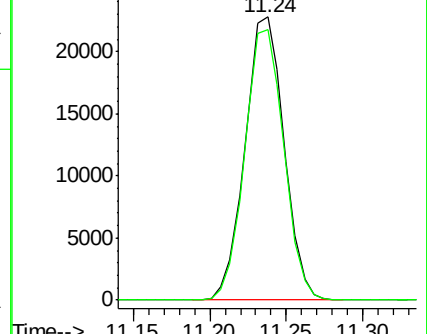
107 100

109 95.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 75.269 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

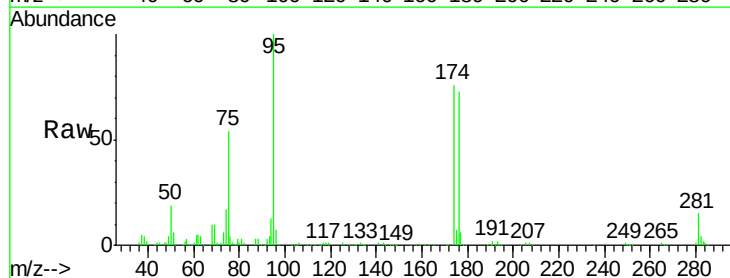
Tgt Ion: 95 Resp: 78912

Ion Ratio Lower Upper

95 100

174 77.1 0.0 152.2

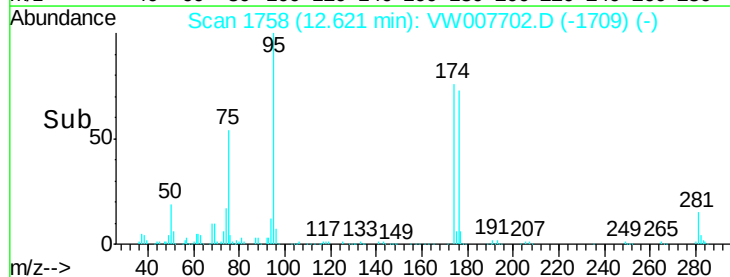
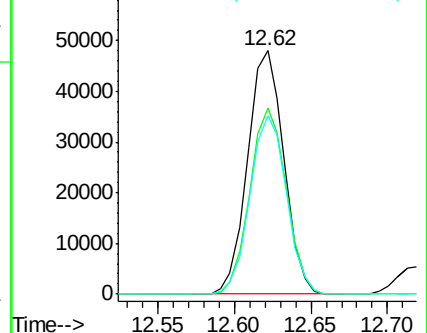
176 74.0 0.0 146.8

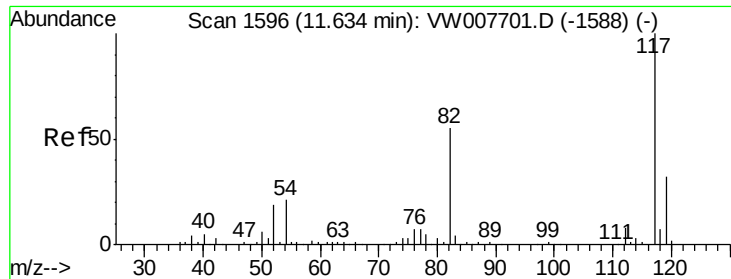


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

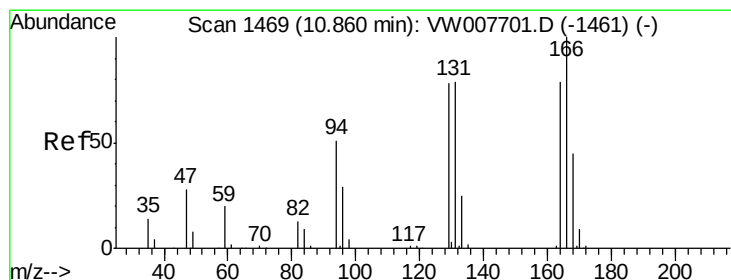
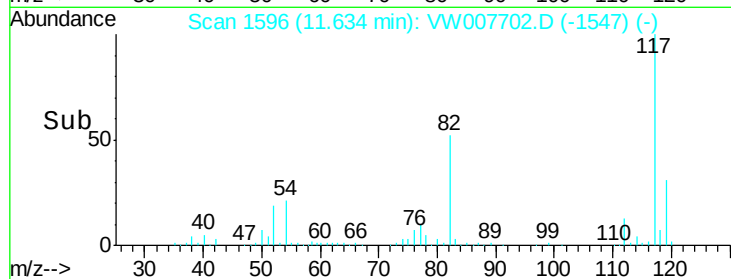
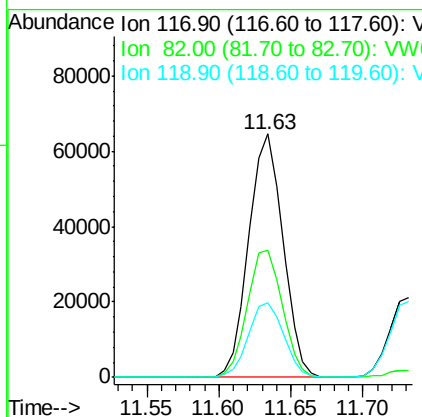
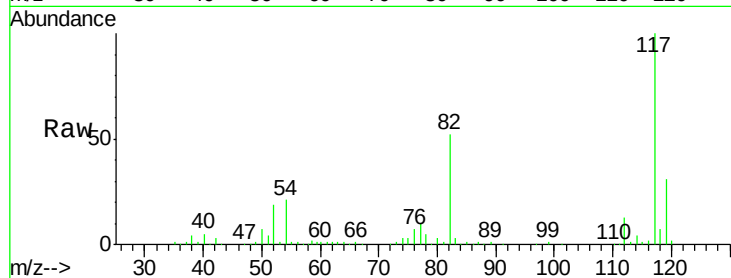




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

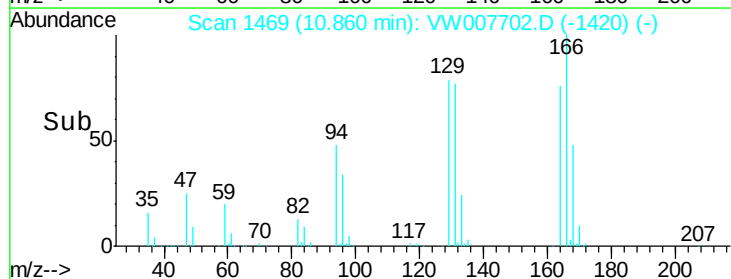
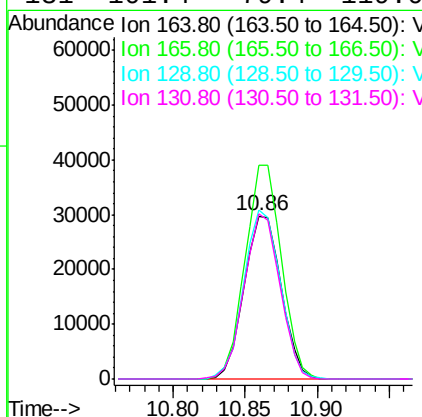
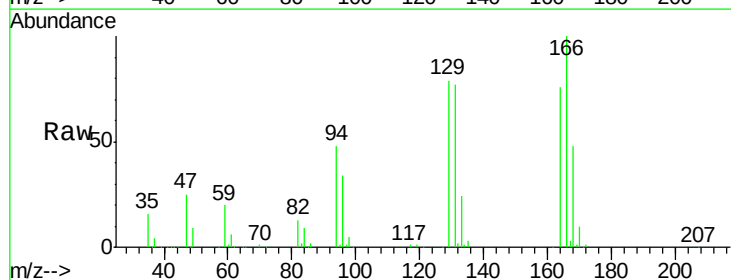
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

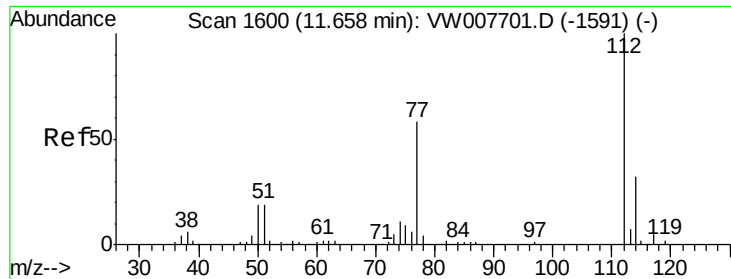
Tgt Ion:117 Resp: 106157
Ion Ratio Lower Upper
117 100
82 52.4 44.3 66.5
119 30.7 25.7 38.5



#64
Tetrachloroethene
Concen: 70.551 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion:164 Resp: 53035
Ion Ratio Lower Upper
164 100
166 131.1 101.0 151.6
129 103.9 78.7 118.1
131 101.4 79.4 119.0





#65

Chlorobenzene

Concen: 69.325 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

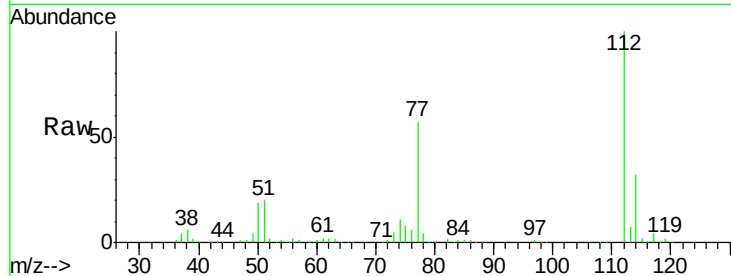
VSTDIC075

Tgt Ion:112 Resp: 159287

Ion Ratio Lower Upper

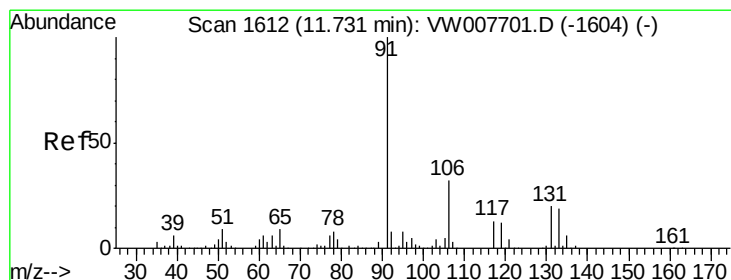
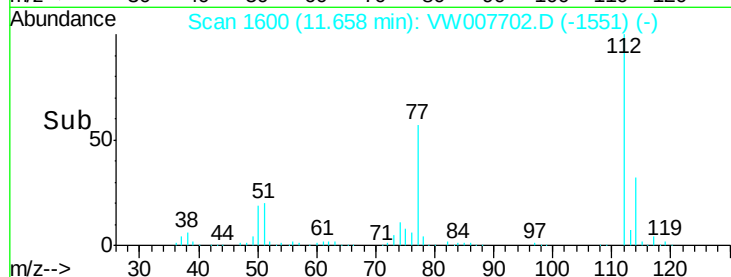
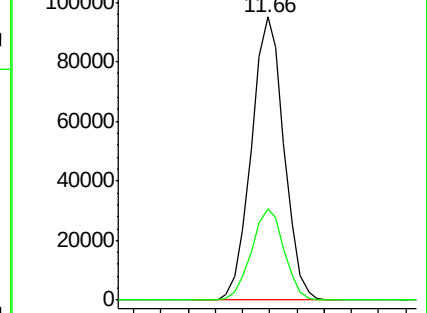
112 100

114 32.3 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 71.590 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

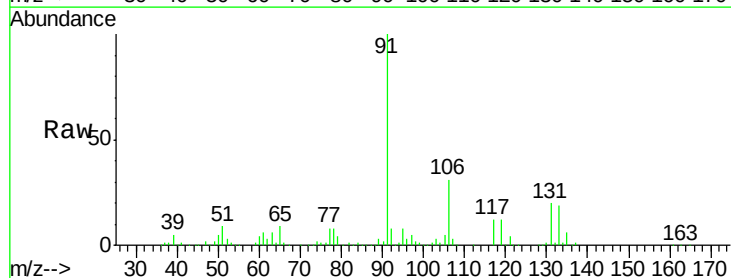
Tgt Ion:131 Resp: 58776

Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.5

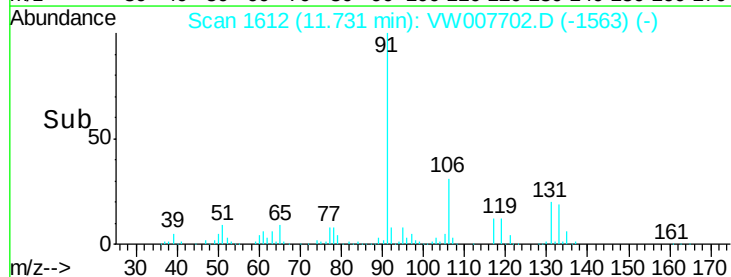
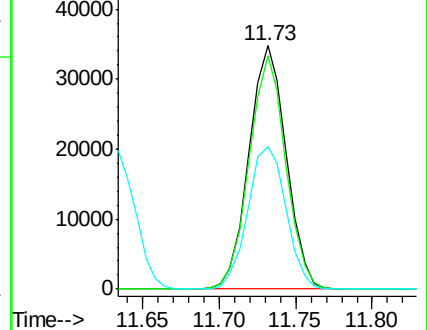
119 60.5 30.2 90.6

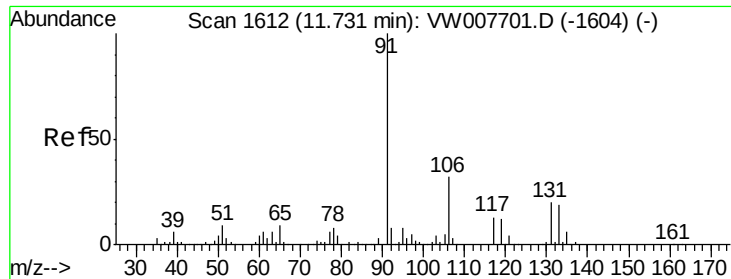


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

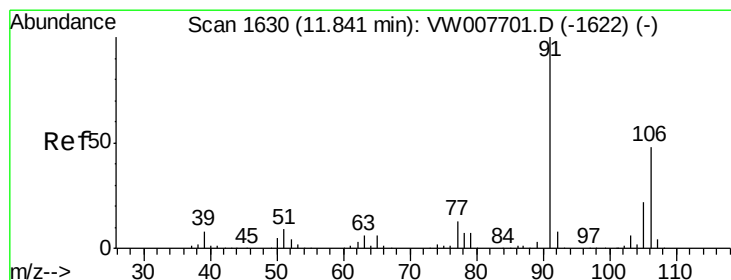
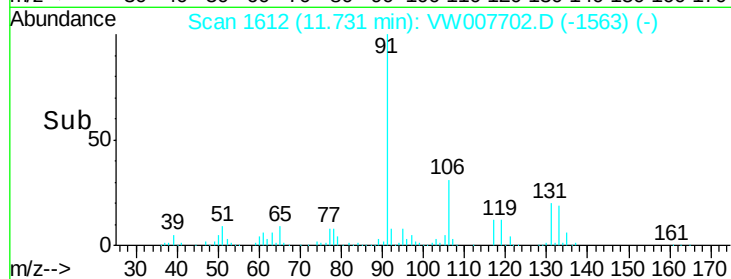
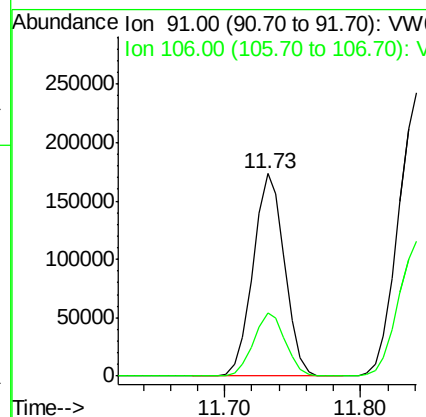
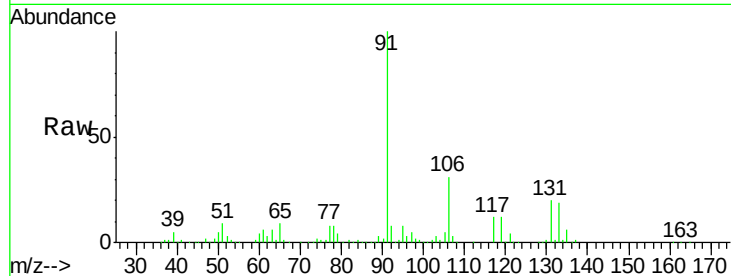




#67
Ethyl Benzene
Concen: 71.278 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

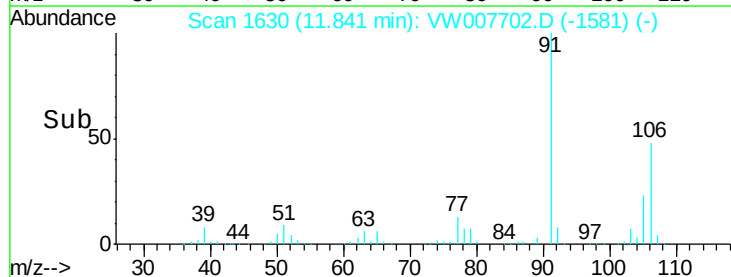
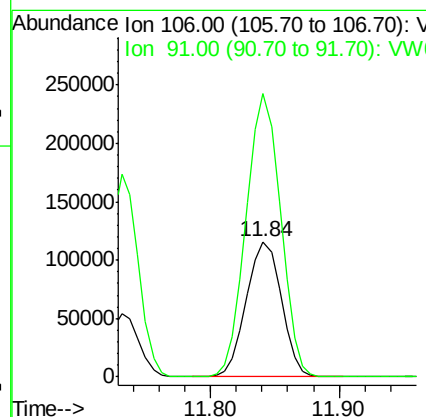
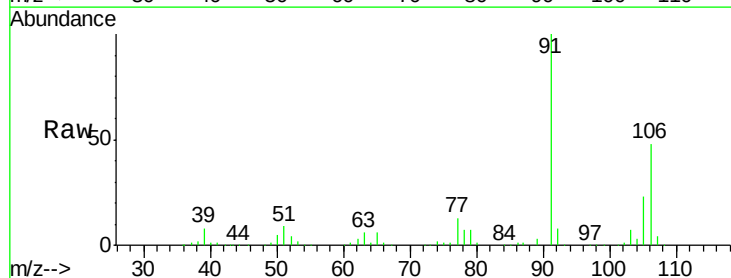
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

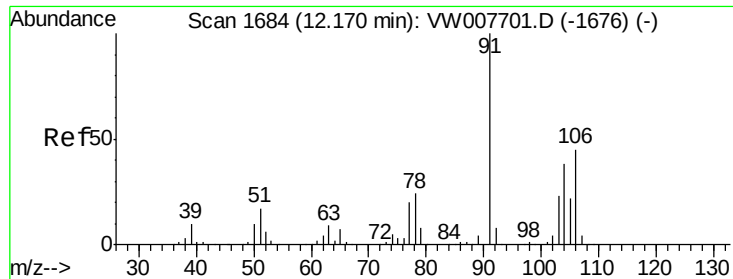
Tgt Ion: 91 Resp: 281035
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8



#68
m/p-Xylenes
Concen: 142.285 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 106 Resp: 217622
Ion Ratio Lower Upper
106 100
91 206.6 165.2 247.8

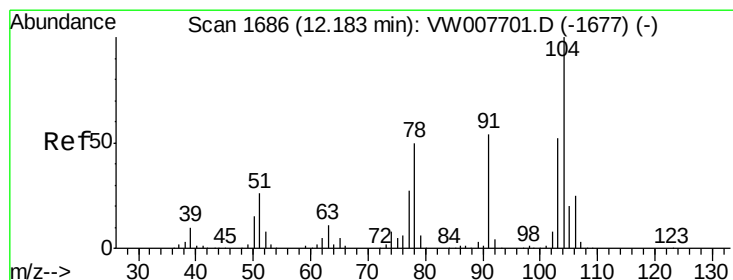
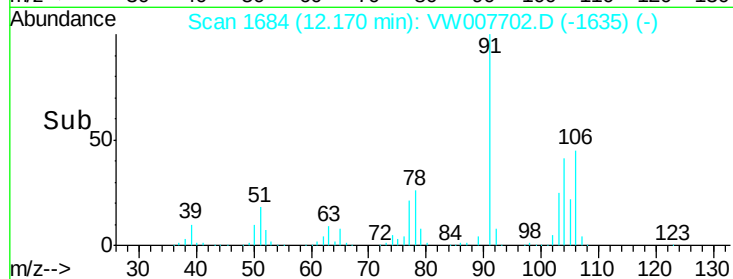
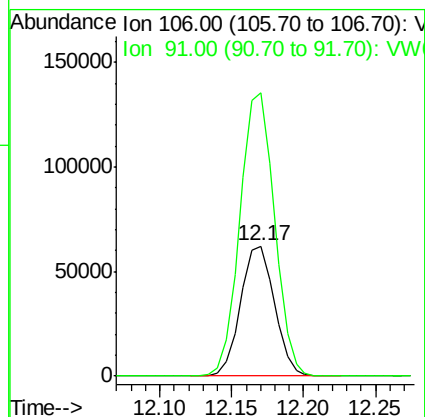
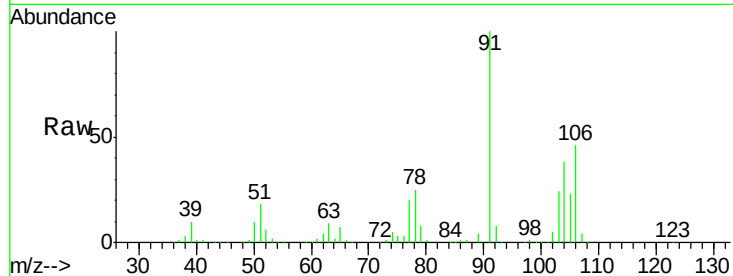




#69
o-Xylene
Concen: 71.130 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

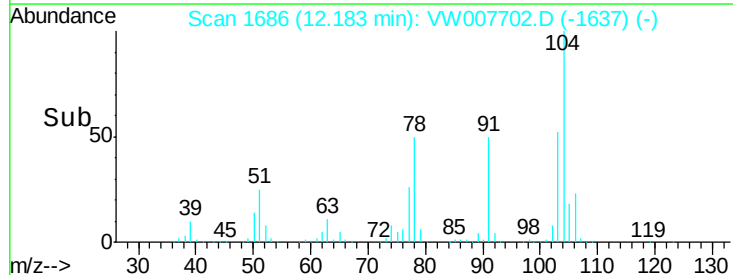
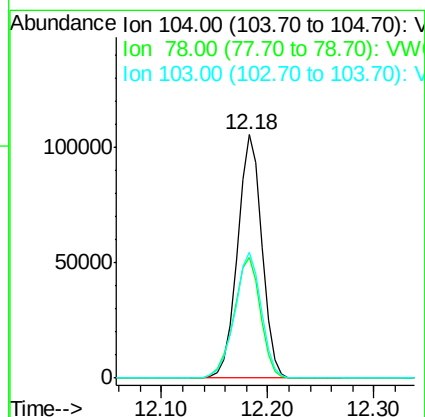
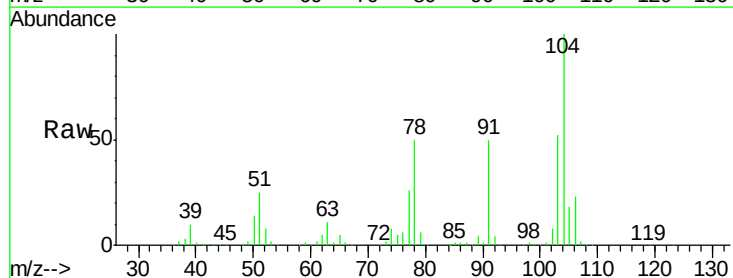
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

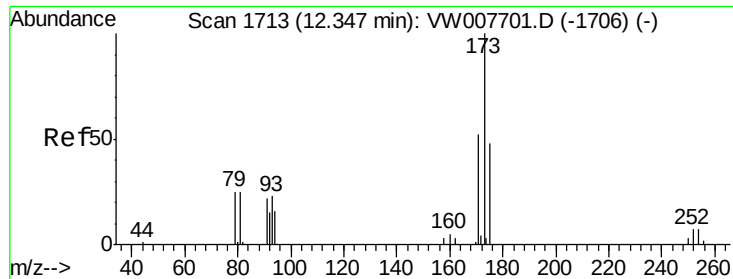
Tgt Ion:106 Resp: 101978
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.4



#70
Styrene
Concen: 71.926 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion:104 Resp: 169508
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 56.0 44.5 66.7





#71

Bromoform

Concen: 72.609 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

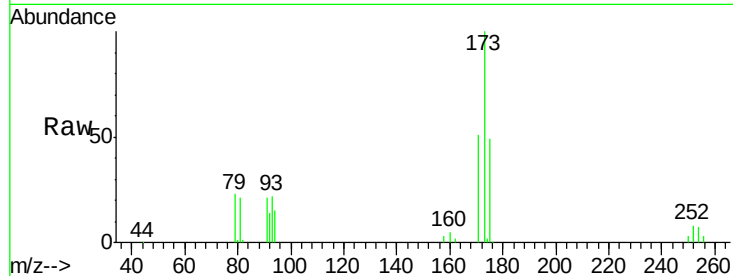
Tgt Ion:173 Resp: 30946

Ion Ratio Lower Upper

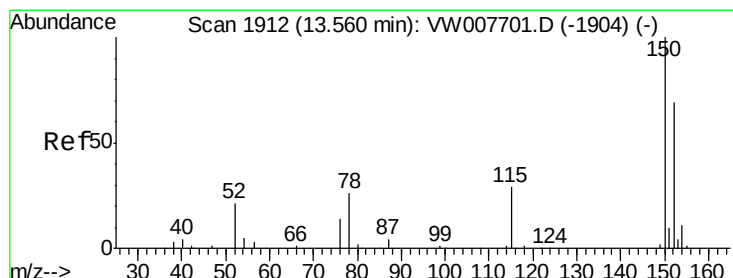
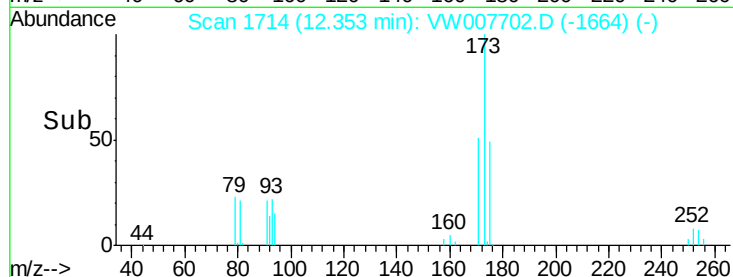
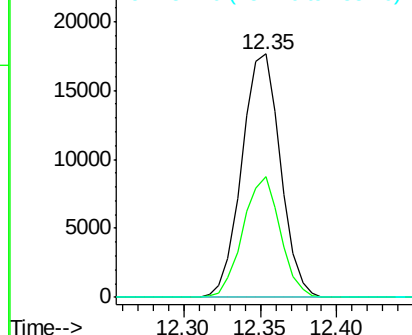
173 100

175 47.8 23.9 71.7

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

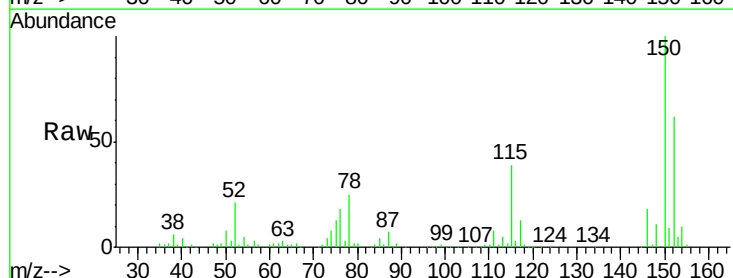
Tgt Ion:152 Resp: 53397

Ion Ratio Lower Upper

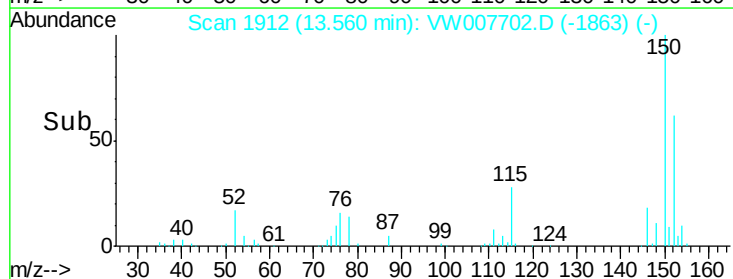
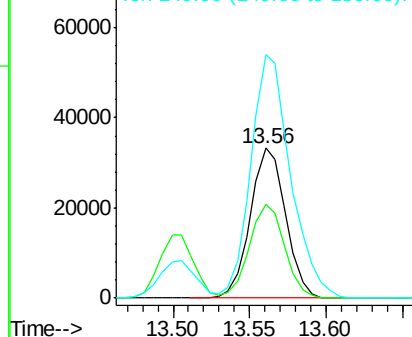
152 100

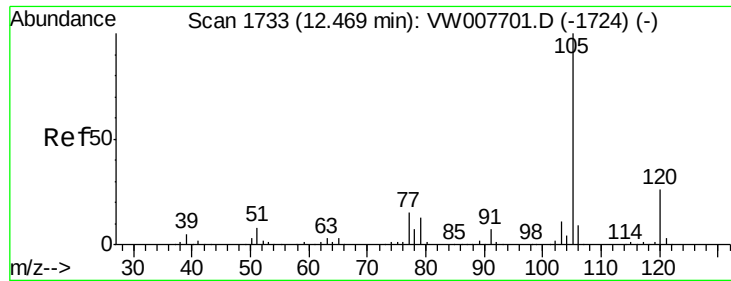
115 62.2 31.8 95.4

150 182.1 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 72.749 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

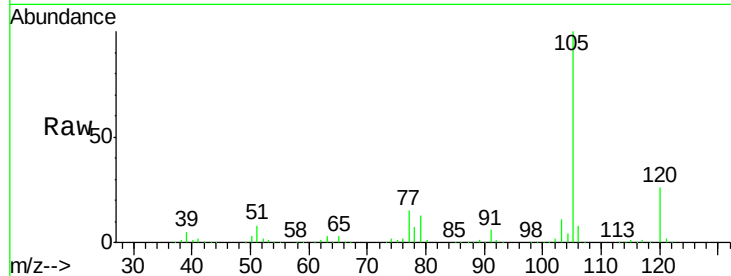
VSTDIC075

Tgt Ion: 105 Resp: 293629

Ion Ratio Lower Upper

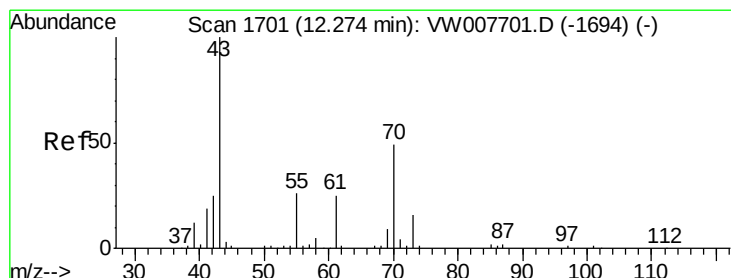
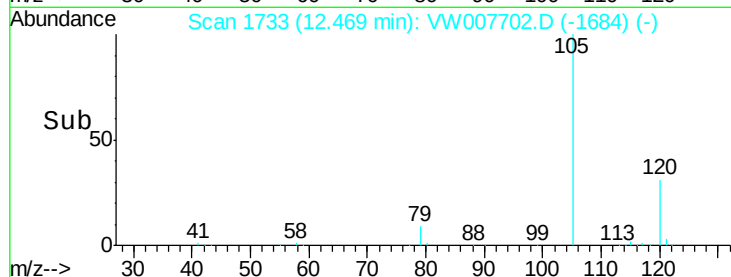
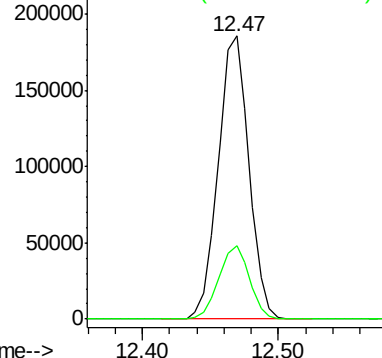
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 73.786 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Tgt Ion: 43 Resp: 51586

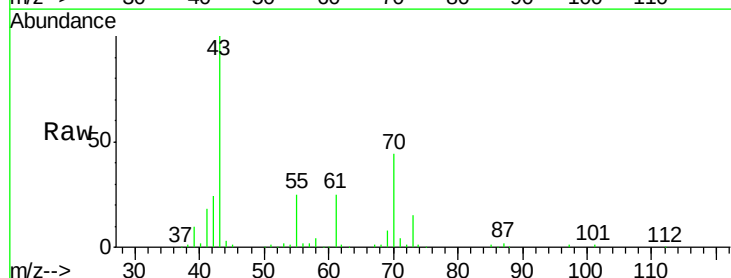
Ion Ratio Lower Upper

43 100

70 46.0 37.6 56.4

55 25.8 21.7 32.5

61 25.1 20.1 30.1

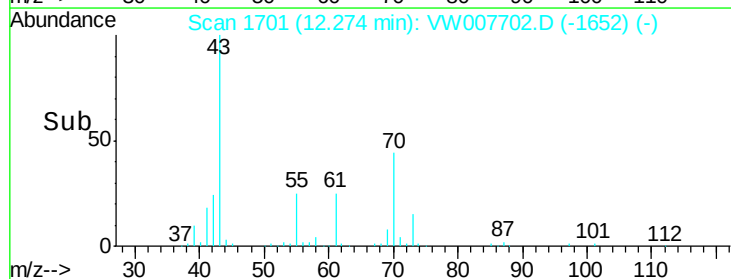
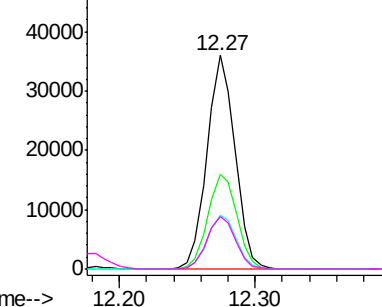


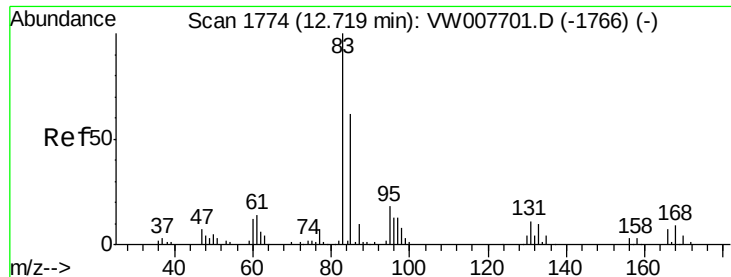
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 71.873 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

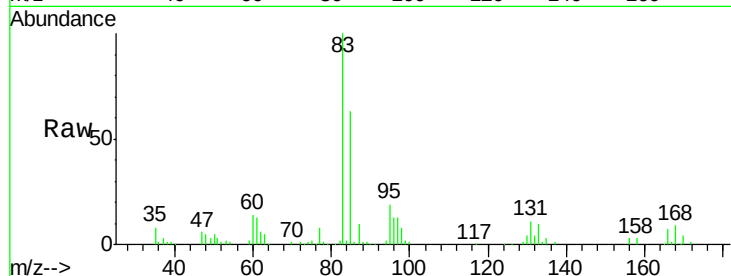
Tgt Ion: 83 Resp: 43495

Ion Ratio Lower Upper

83 100

131 12.4 6.3 18.8

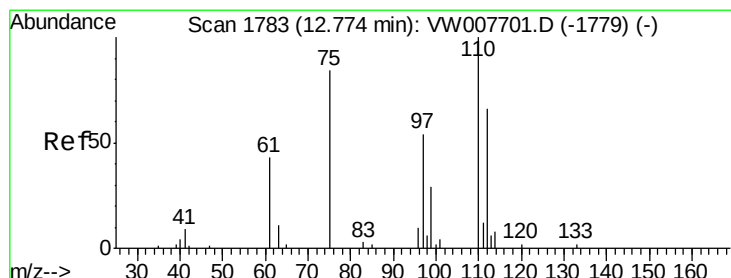
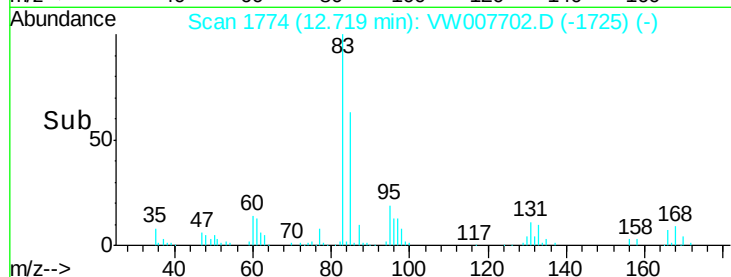
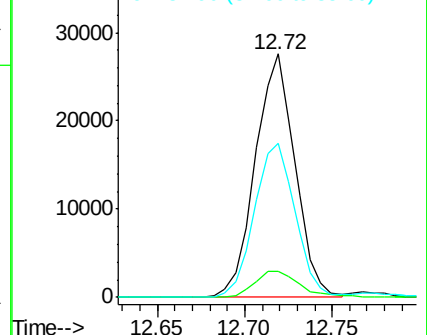
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 76.024 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007702.D

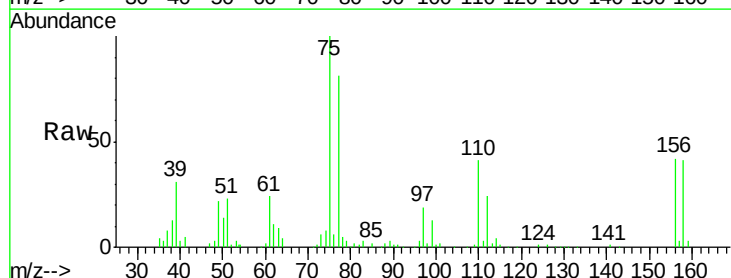
Acq: 19 Dec 2018 15:19

Tgt Ion: 75 Resp: 61454

Ion Ratio Lower Upper

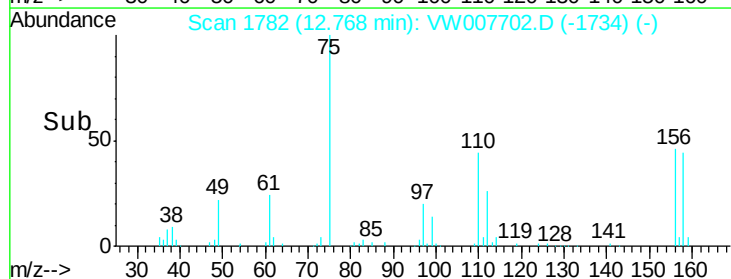
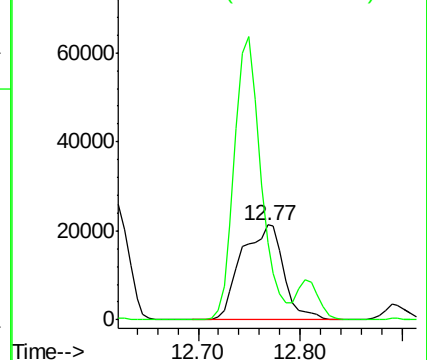
75 100

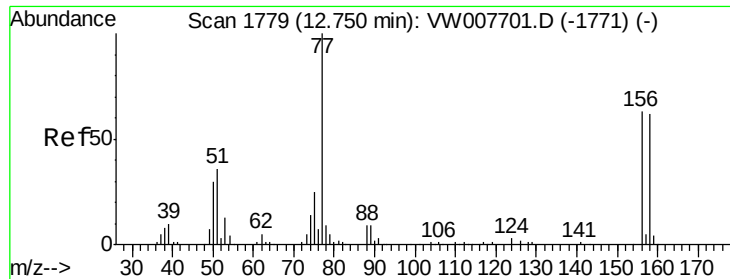
77 187.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 70.271 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

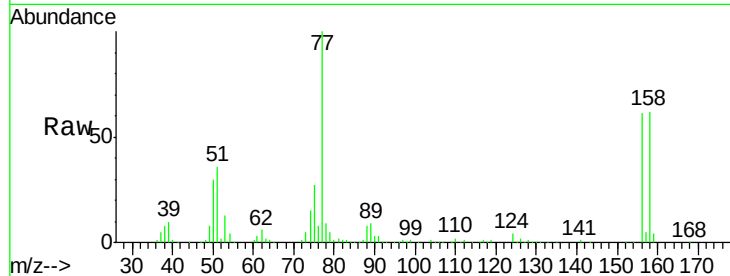
Tgt Ion:156 Resp: 65001

Ion Ratio Lower Upper

156 100

77 177.2 87.4 262.1

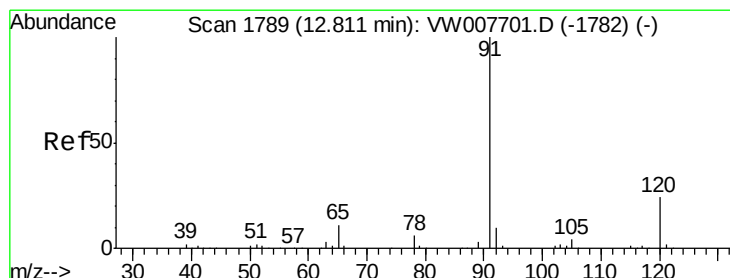
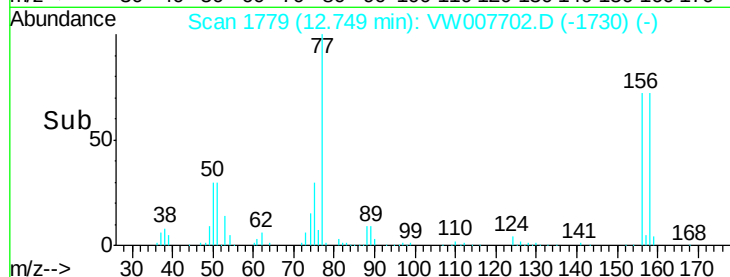
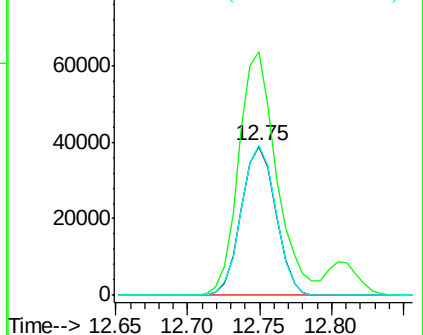
158 99.7 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 72.158 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007702.D

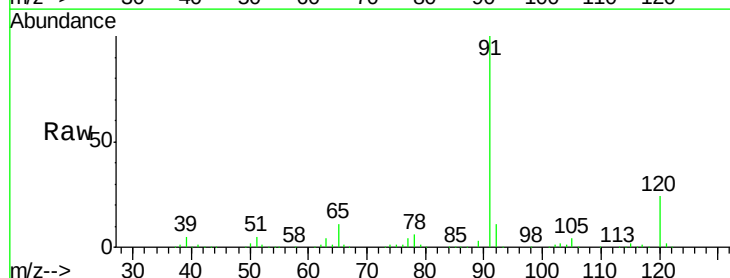
Acq: 19 Dec 2018 15:19

Tgt Ion: 91 Resp: 339030

Ion Ratio Lower Upper

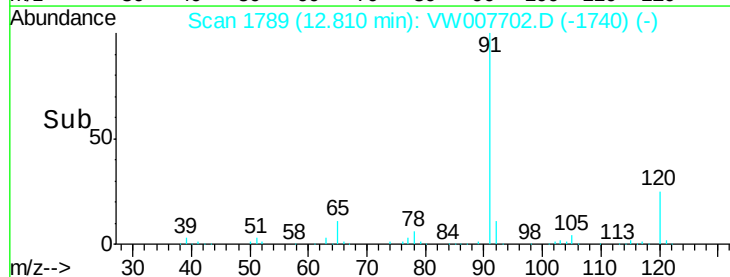
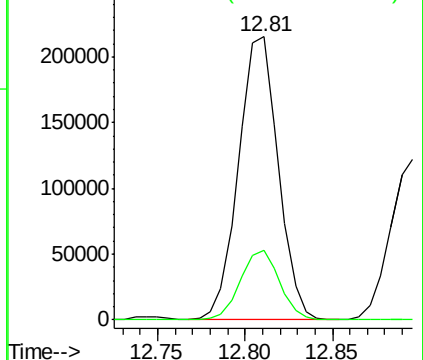
91 100

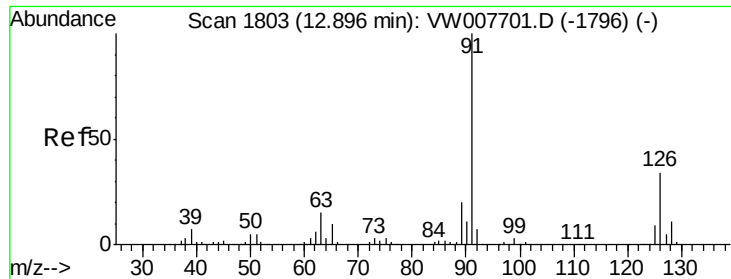
120 24.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

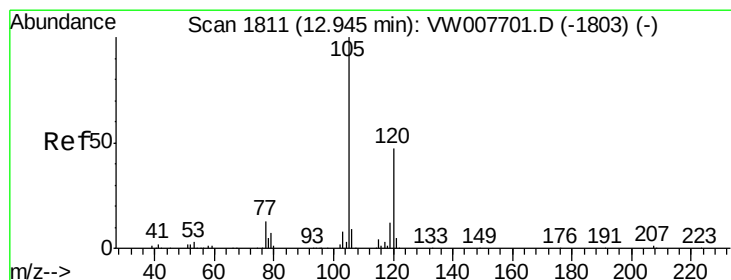
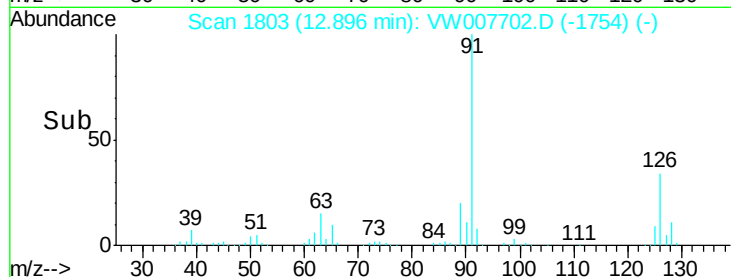
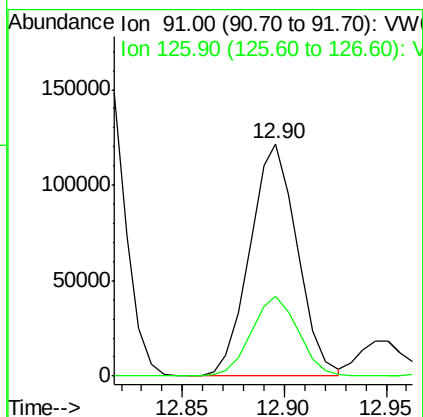
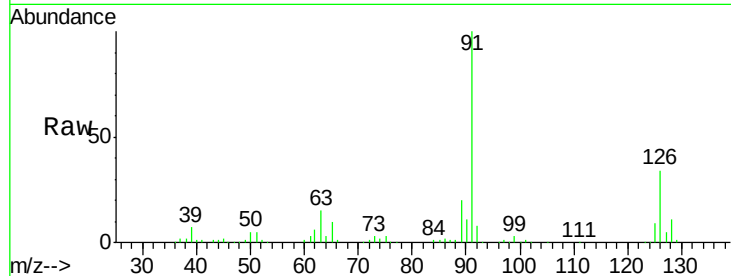




#79
2-Chlorotoluene
Concen: 71.528 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

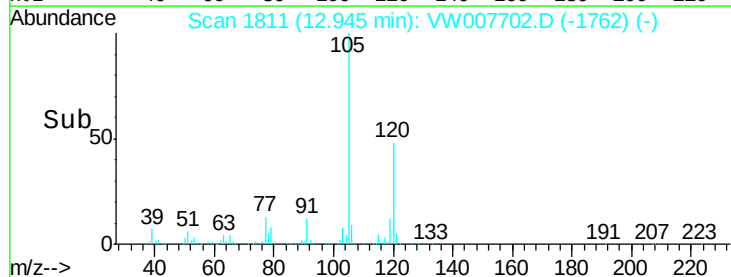
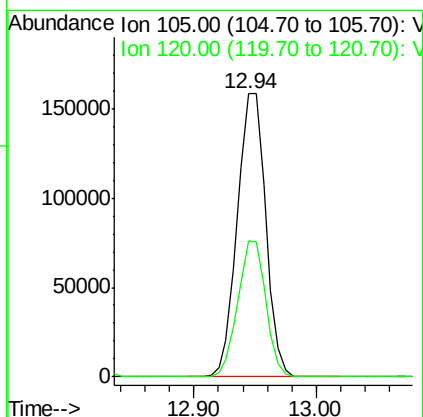
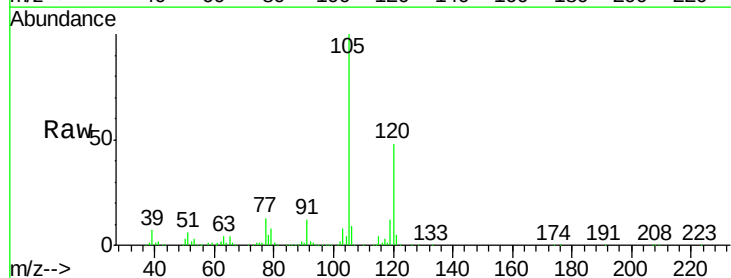
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

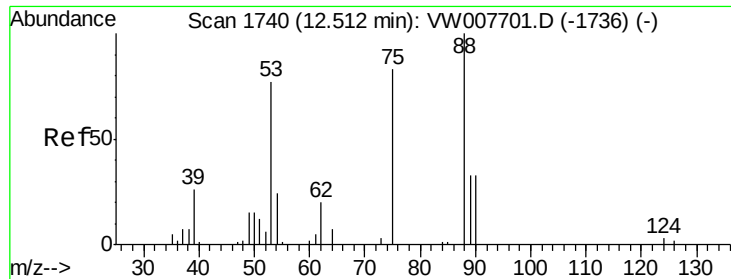
Tgt Ion: 91 Resp: 195776
Ion Ratio Lower Upper
91 100
126 34.1 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 73.195 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 105 Resp: 254830
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8

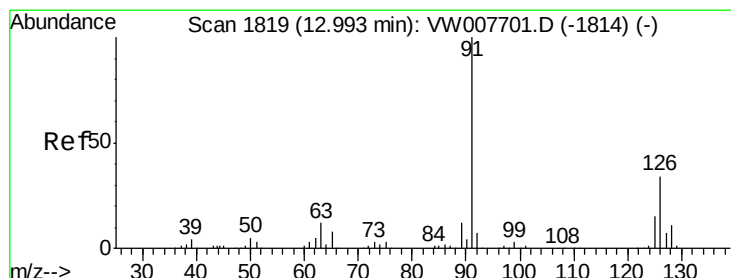
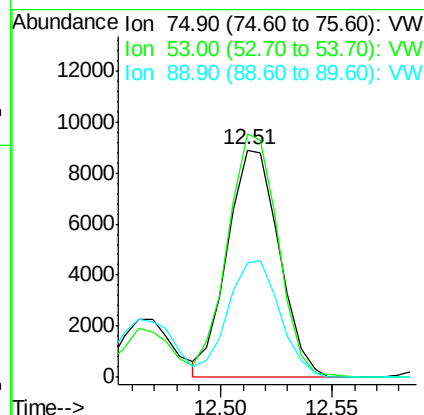
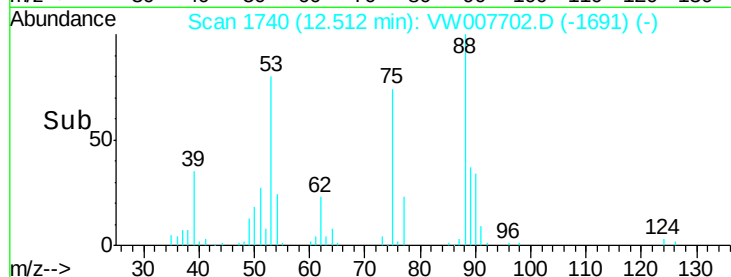
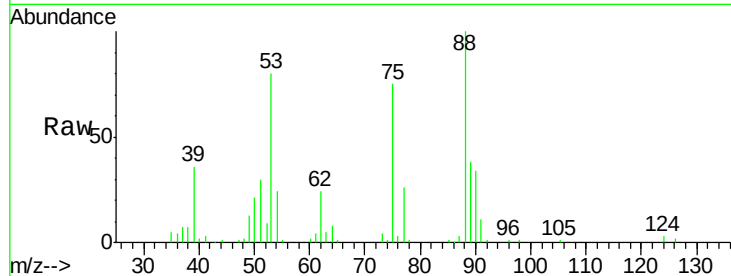




#81
trans-1,4-Dichloro-2-butene
Concen: 73.046 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

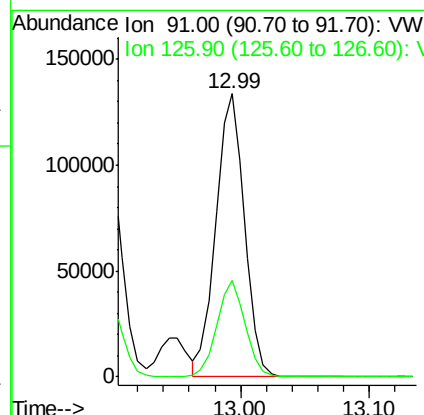
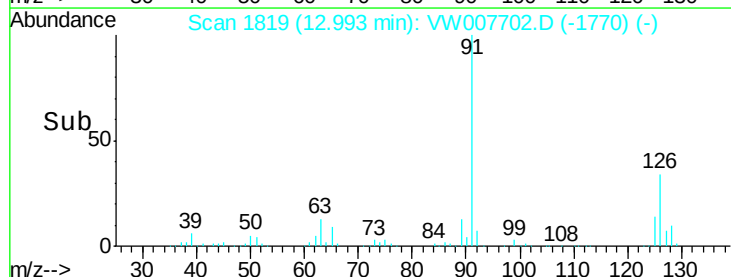
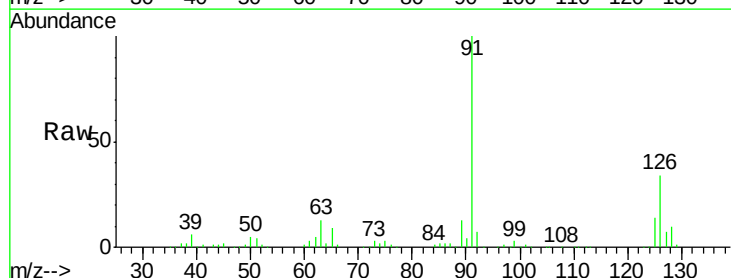
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

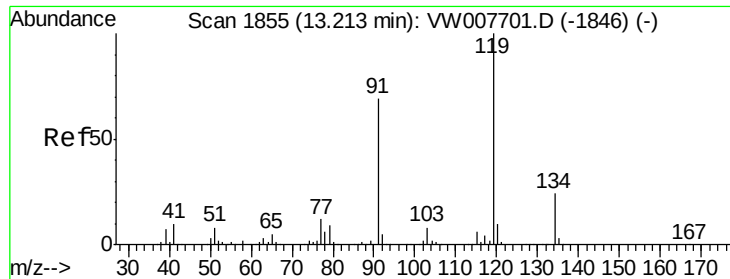
Tgt Ion: 75 Resp: 14362
Ion Ratio Lower Upper
75 100
53 104.6 80.2 120.2
89 51.9 39.2 58.8



#82
4-Chlorotoluene
Concen: 71.502 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 91 Resp: 208379
Ion Ratio Lower Upper
91 100
126 33.6 16.5 49.5





#83

tert-Butylbenzene

Concen: 73.248 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007702.D

Acq: 19 Dec 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

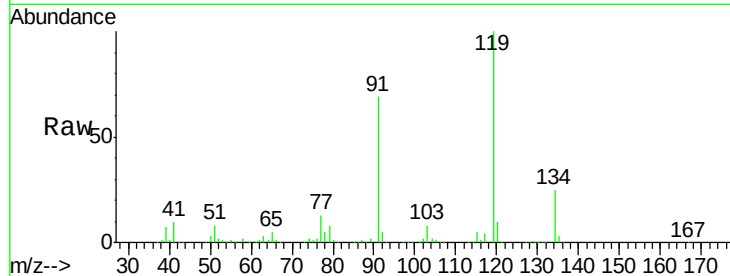
Tgt Ion:119 Resp: 223755

Ion Ratio Lower Upper

119 100

91 67.6 34.2 102.5

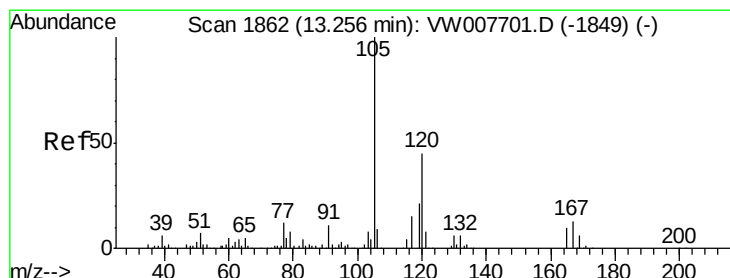
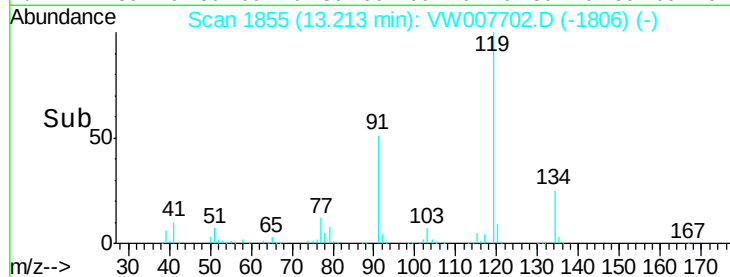
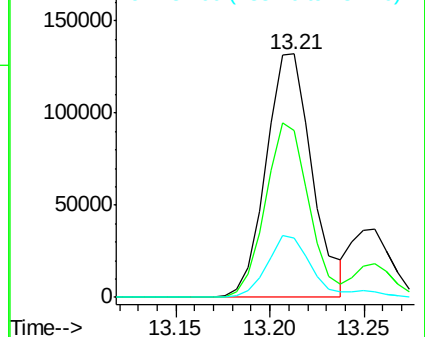
134 25.7 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): 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: 72.241 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007702.D

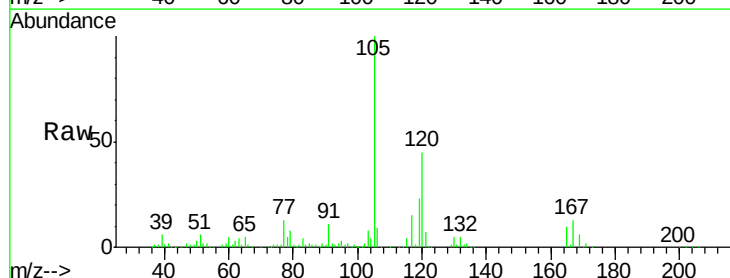
Acq: 19 Dec 2018 15:19

Tgt Ion:105 Resp: 253788

Ion Ratio Lower Upper

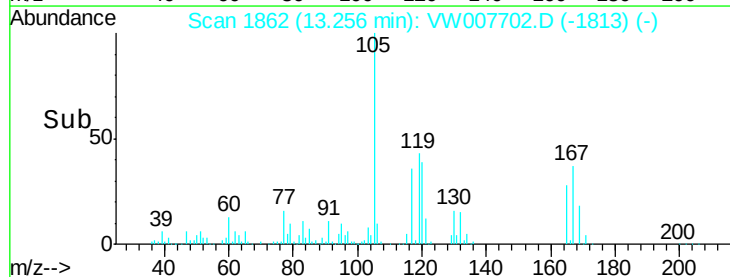
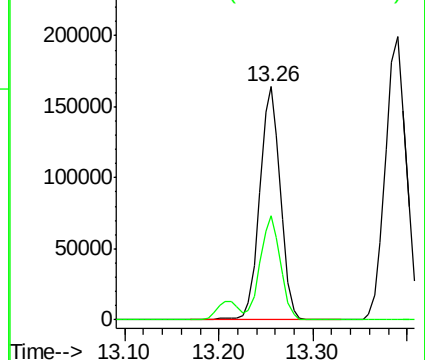
105 100

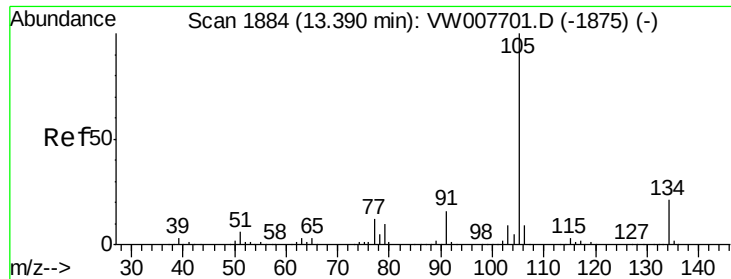
120 44.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

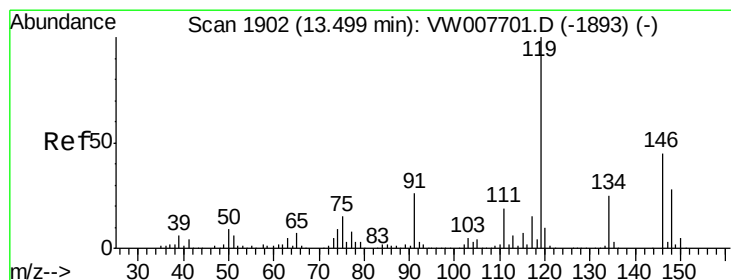
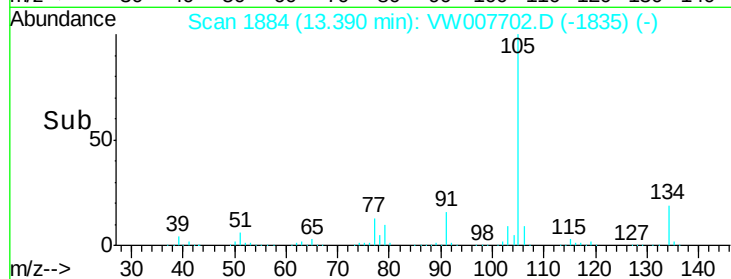
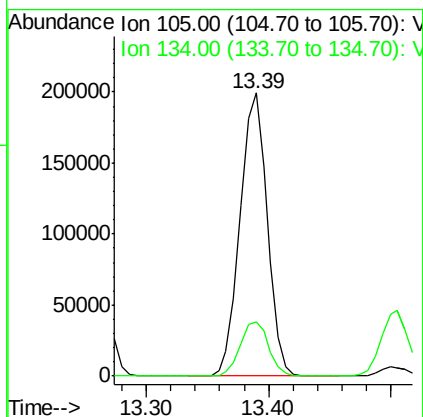
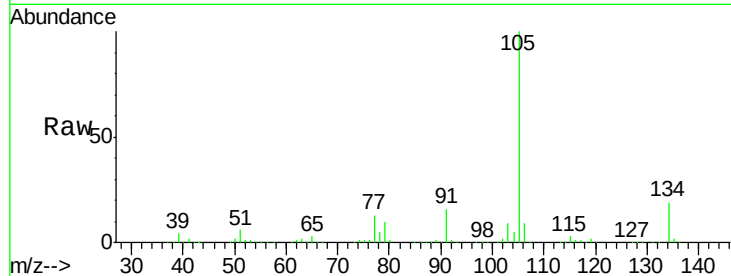




#85
 sec-Butylbenzene
 Concen: 72.992 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

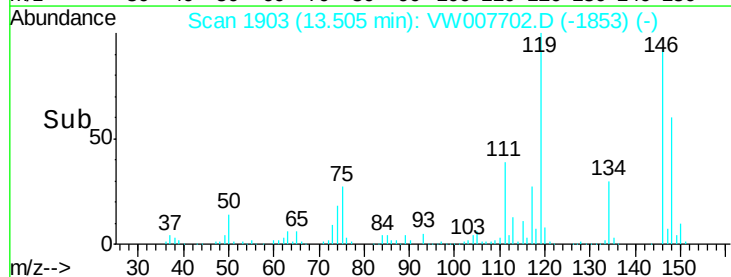
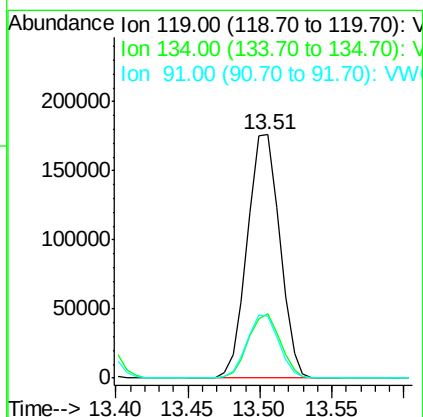
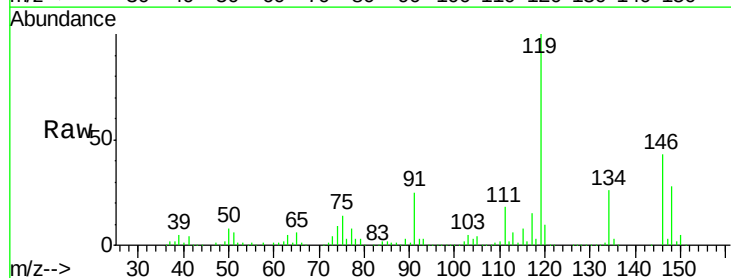
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

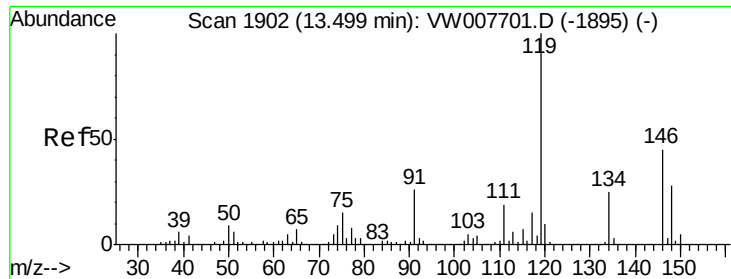
Tgt Ion:105 Resp: 307298
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 71.928 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion:119 Resp: 275359
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 25.4 12.8 38.4

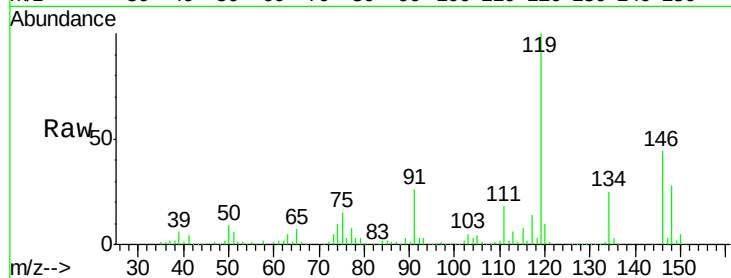




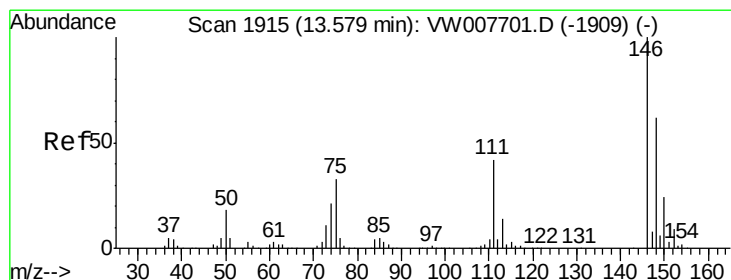
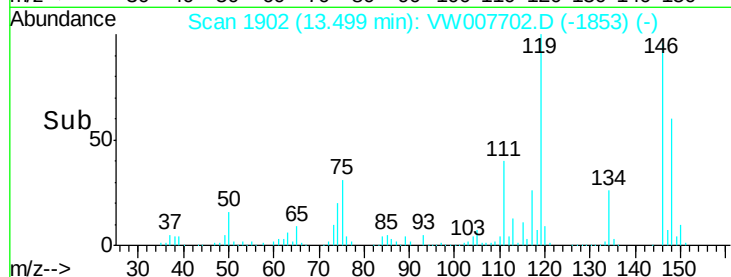
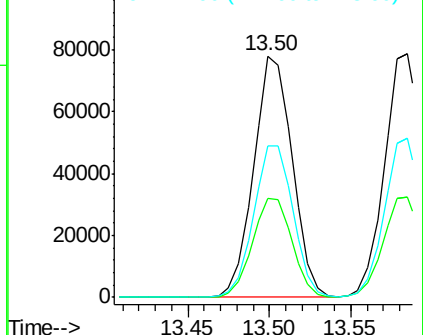
#87
 1,3-Dichlorobenzene
 Concen: 69.998 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 128557
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.4
 148 64.2 32.1 96.5

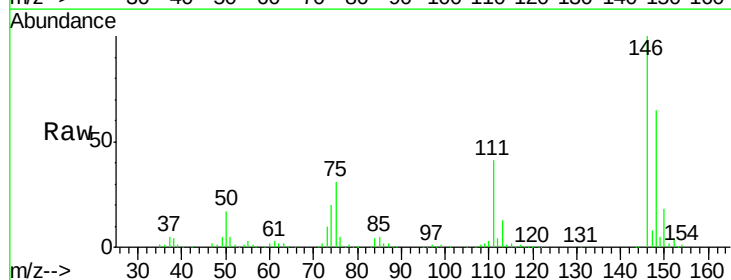


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

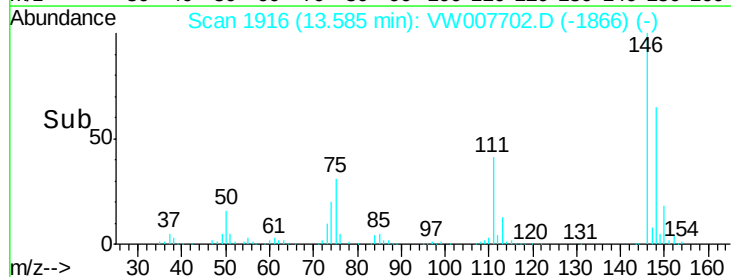
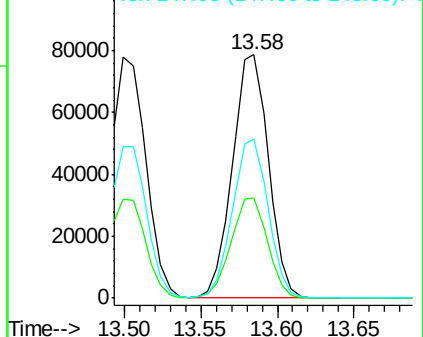


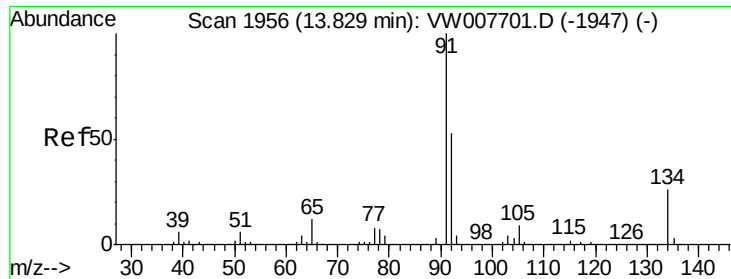
#88
 1,4-Dichlorobenzene
 Concen: 70.045 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion:146 Resp: 128680
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 64.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

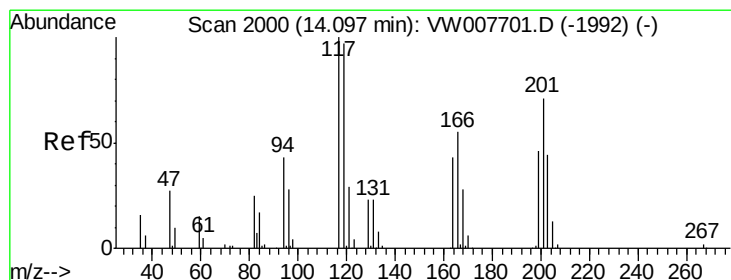
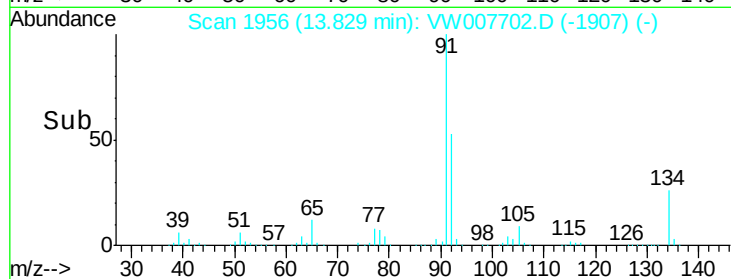
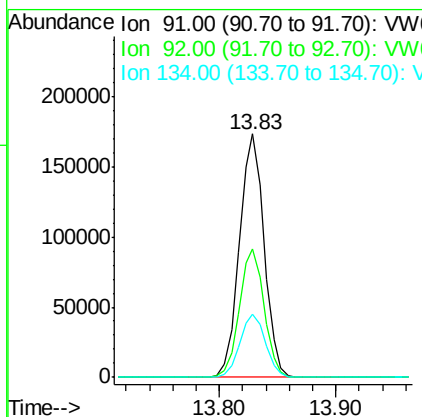
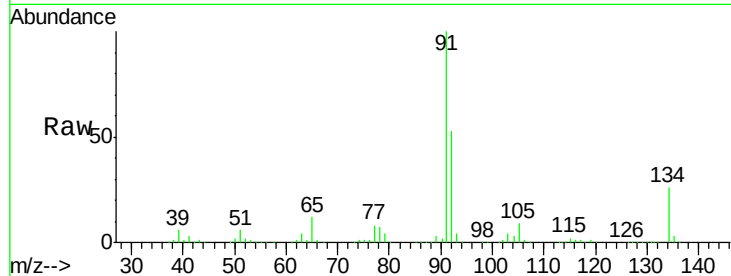




#89
n-Butylbenzene
Concen: 72.777 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

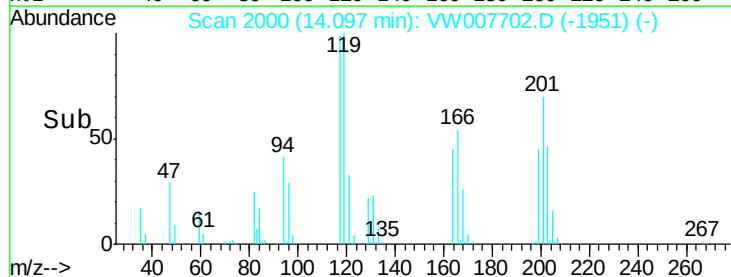
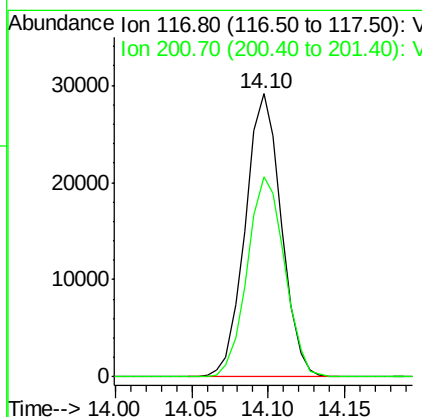
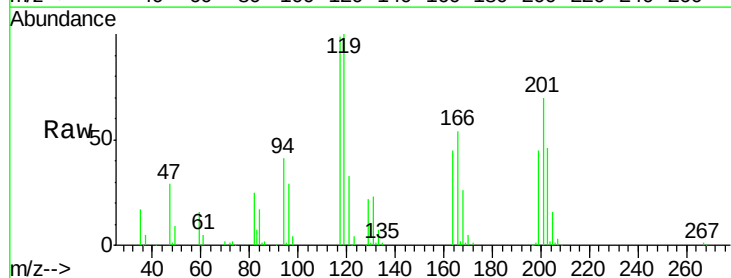
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

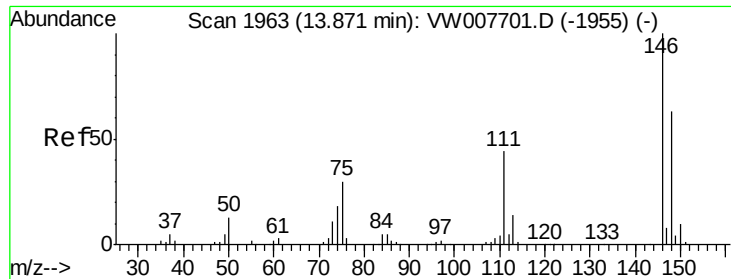
Tgt Ion: 91 Resp: 255448
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.2
134 27.0 13.7 41.0



#90
Hexachloroethane
Concen: 70.986 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion: 117 Resp: 47709
Ion Ratio Lower Upper
117 100
201 73.1 36.2 108.6

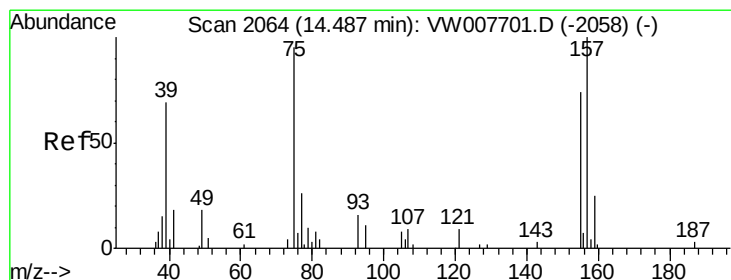
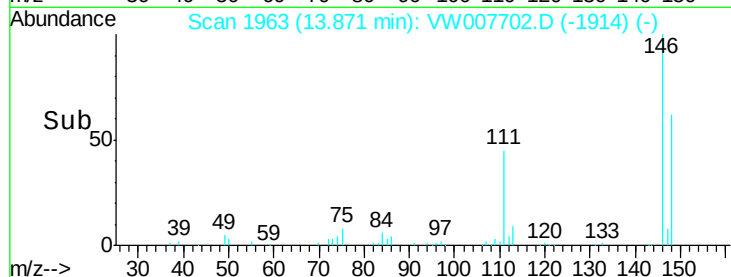
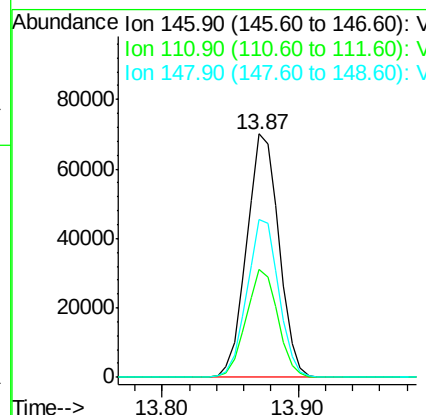
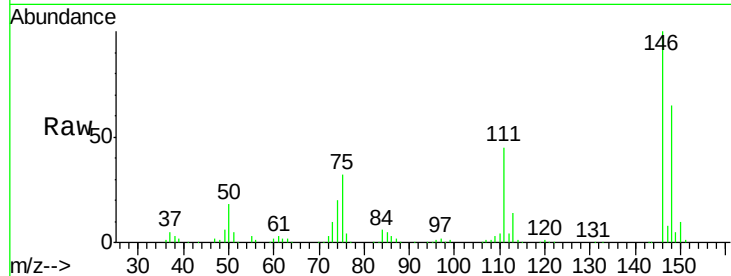




#91
 1,2-Dichlorobenzene
 Concen: 70.911 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

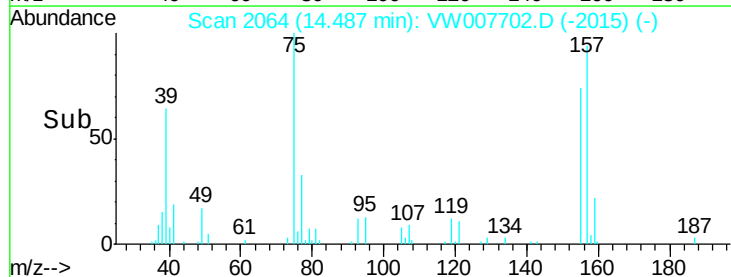
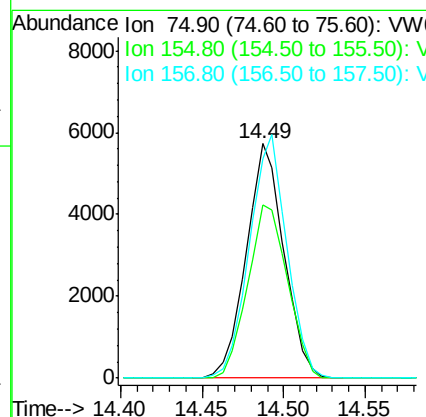
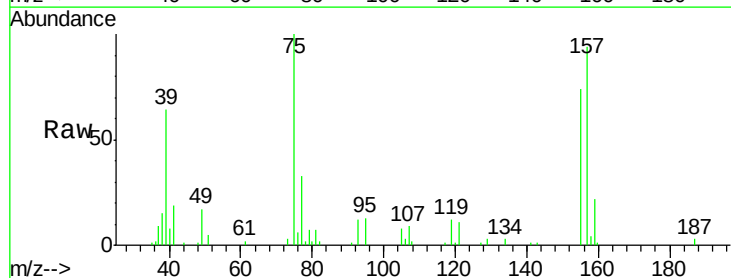
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

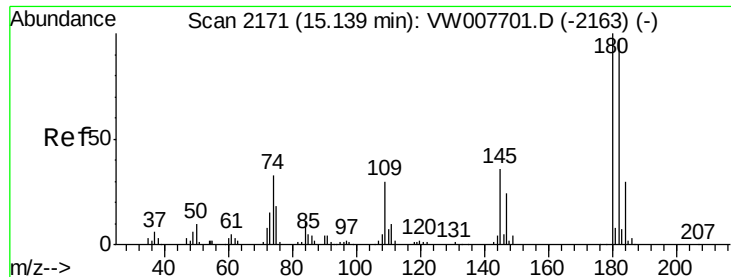
Tgt Ion:146 Resp: 116603
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.7 65.1
 148 63.6 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.011 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion: 75 Resp: 9198
 Ion Ratio Lower Upper
 75 100
 155 77.9 39.4 118.1
 157 102.6 52.0 156.0

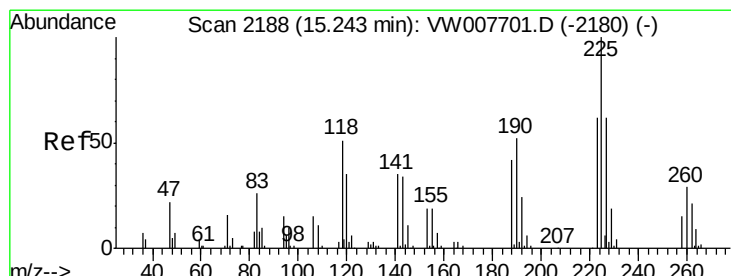
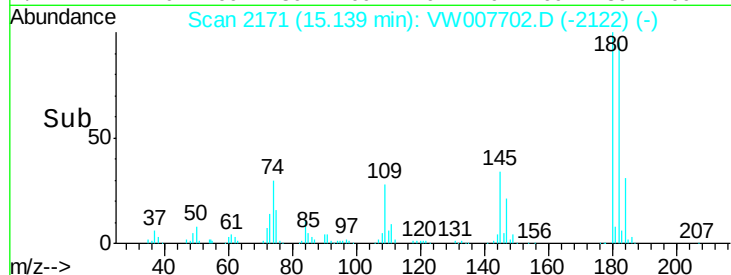
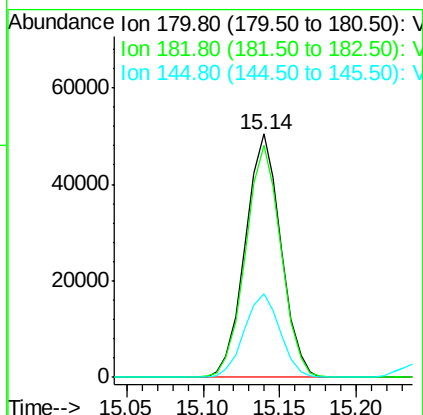
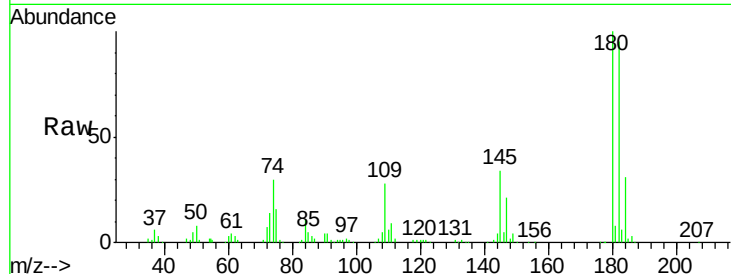




#93
 1,2,4-Trichlorobenzene
 Concen: 71.471 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

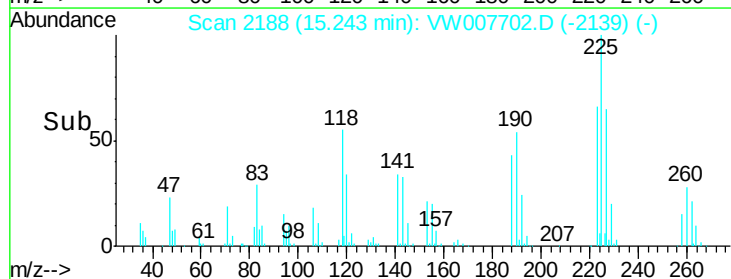
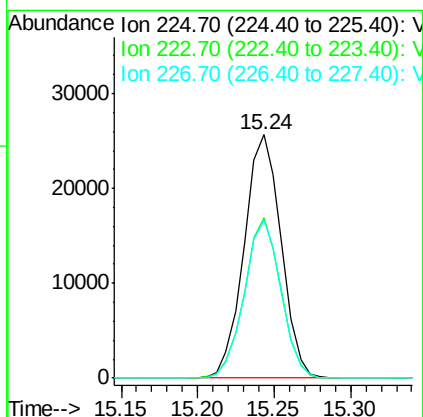
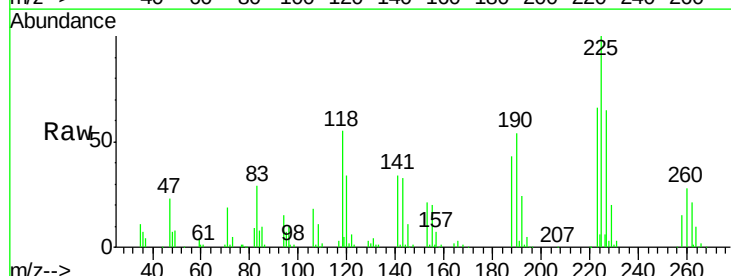
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

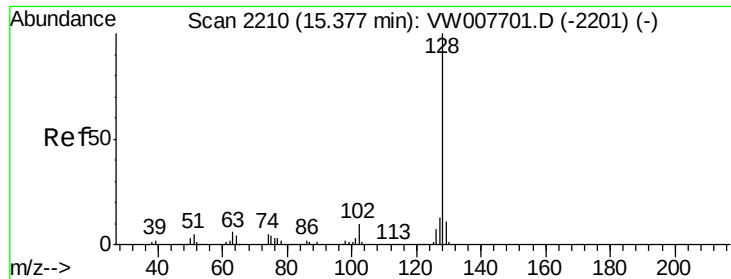
Tgt Ion:180 Resp: 81579
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.6
 145 34.5 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 70.669 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007702.D
 Acq: 19 Dec 2018 15:19

Tgt Ion:225 Resp: 43108
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.6 94.8
 227 64.1 32.1 96.3

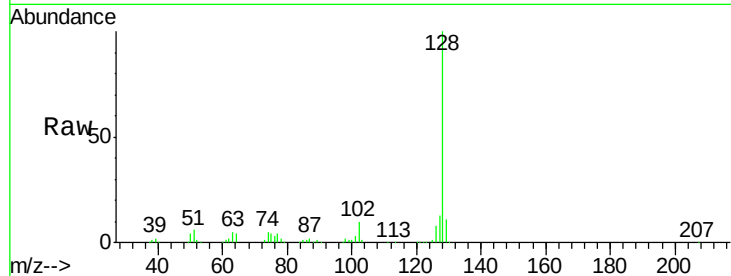




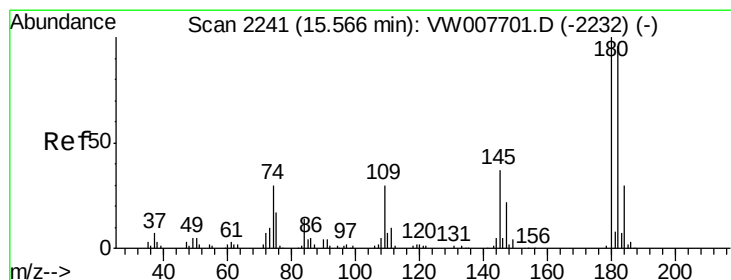
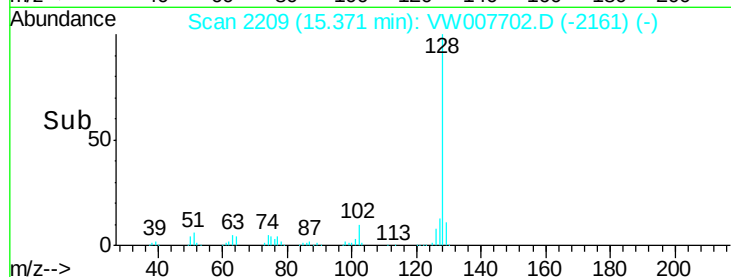
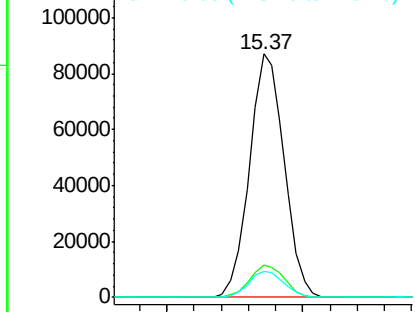
#95
Naphthalene
Concen: 73.635 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 155392
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.0 8.8 13.2

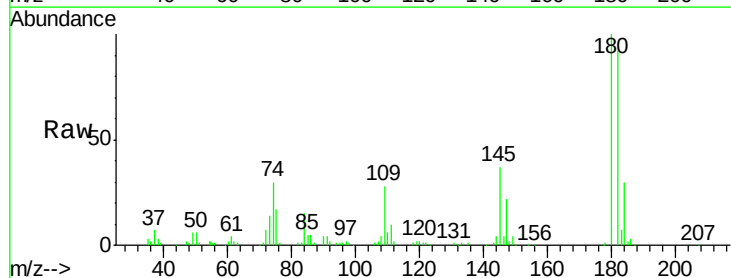


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 71.619 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007702.D
Acq: 19 Dec 2018 15:19

Tgt Ion:180 Resp: 69976
Ion Ratio Lower Upper
180 100
182 94.5 47.4 142.2
145 36.1 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

