

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007703.D
 Acq On : 19 Dec 2018 15:45
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 20 06:09:13 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	72190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	105264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52652	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	83225	105.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.36%	
35) Dibromofluoromethane	7.88	113	73898	105.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.02%	
50) Toluene-d8	10.32	98	275804	103.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.92%	
62) 4-Bromofluorobenzene	12.62	95	105213	102.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	67847	105.720	ug/l	96
3) Chloromethane	2.22	50	43165	109.534	ug/l	95
4) Vinyl Chloride	2.37	62	52747	105.148	ug/l	91
5) Bromomethane	2.78	94	36961	105.784	ug/l	93
6) Chloroethane	2.93	64	28959	107.905	ug/l	96
7) Trichlorofluoromethane	3.26	101	58391	111.804	ug/l	98
8) Diethyl Ether	3.68	74	33977	106.215	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	77539	102.101	ug/l	97
10) Methyl Iodide	4.26	142	126190	103.165	ug/l	100
11) Tert butyl alcohol	5.18	59	26923	504.412	ug/l	98
12) 1,1-Dichloroethene	4.03	96	74045	103.961	ug/l	99
13) Acrolein	3.89	56	21067	493.644	ug/l	98
14) Allyl chloride	4.66	41	96378	103.188	ug/l	99
15) Acrylonitrile	5.37	53	73291	537.110	ug/l	99
16) Acetone	4.12	43	72846	491.650	ug/l	94
17) Carbon Disulfide	4.37	76	225573	102.344	ug/l	98
18) Methyl Acetate	4.67	43	38263	108.587	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	105352	103.032	ug/l	95
20) Methylene Chloride	4.91	84	75104	84.101	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	80550	102.830	ug/l	96
22) Diisopropyl ether	6.31	45	181887	104.001	ug/l	99
23) Vinyl Acetate	6.25	43	562773	541.612	ug/l	100
24) 1,1-Dichloroethane	6.21	63	133404	103.688	ug/l	99
25) 2-Butanone	7.17	43	90883	523.682	ug/l	99
26) 2,2-Dichloropropane	7.16	77	92837	98.608	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	85754	102.754	ug/l	99
28) Bromochloromethane	7.51	49	45913	104.665	ug/l #	99
29) Tetrahydrofuran	7.53	42	56905	549.714	ug/l	99
30) Chloroform	7.68	83	150495	103.360	ug/l	100
31) Cyclohexane	7.95	56	114591	97.289	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	136516	102.948	ug/l	99
36) 1,1-Dichloropropene	8.08	75	114509	102.845	ug/l	100
37) Ethyl Acetate	7.25	43	40339	104.980	ug/l	98
38) Carbon Tetrachloride	8.07	117	137505	104.865	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	143703	103.867	ug/l	98
40) Benzene	8.32	78	303912	102.289	ug/l	98
41) Methacrylonitrile	7.48	41	24363	111.674	ug/l	95
42) 1,2-Dichloroethane	8.40	62	104401	104.854	ug/l	100
43) Isopropyl Acetate	8.43	43	83127	107.980	ug/l	98
44) Trichloroethene	9.09	130	91945	102.331	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69109	104.828	ug/l	98
46) Dibromomethane	9.46	93	42570	104.898	ug/l	99
47) Bromodichloromethane	9.65	83	112630	105.569	ug/l	99
48) Methyl methacrylate	9.44	41	41888	109.008	ug/l	97
49) 1,4-Dioxane	9.45	88	14043	2182.570	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	195607	537.645	ug/l	99
52) Toluene	10.39	92	203144	101.907	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	115073	108.438	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	124029	105.812	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59562	106.463	ug/l	96
56) Ethyl methacrylate	10.65	69	74025	111.988	ug/l	98
57) 1,3-Dichloropropane	10.93	76	97469	104.916	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	158425	524.935	ug/l	99
59) 2-Hexanone	10.97	43	141052	551.275	ug/l	99
60) Dibromochloromethane	11.13	129	78645	106.167	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60310	106.451	ug/l	99
64) Tetrachloroethene	10.86	164	76083	102.070	ug/l	98
65) Chlorobenzene	11.66	112	231575	101.641	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	84540	103.845	ug/l	99
67) Ethyl Benzene	11.73	91	403824	103.289	ug/l	98
68) m/p-Xylenes	11.84	106	308976	203.728	ug/l	98
69) o-Xylene	12.17	106	147148	103.506	ug/l	99
70) Styrene	12.18	104	247437	105.884	ug/l	99
71) Bromoform	12.35	173	46298	109.551	ug/l #	99
73) Isopropylbenzene	12.47	105	419893	105.503	ug/l	100
74) N-amyl acetate	12.27	43	76917	111.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	63413	106.269	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91306	114.552	ug/l #	100
77) Bromobenzene	12.75	156	94982	104.136	ug/l	99
78) n-propylbenzene	12.81	91	485388	104.771	ug/l	100
79) 2-Chlorotoluene	12.90	91	283753	105.138	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	358825	104.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	21494	110.867	ug/l	97
82) 4-Chlorotoluene	12.99	91	297729	103.606	ug/l	99
83) tert-Butylbenzene	13.21	119	316178	104.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	359301	103.723	ug/l	100
85) sec-Butylbenzene	13.39	105	429030	103.349	ug/l	100
86) p-Isopropyltoluene	13.50	119	383600	101.621	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	183350	101.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	184631	101.923	ug/l	99
89) n-Butylbenzene	13.83	91	356174	102.909	ug/l	99
90) Hexachloroethane	14.10	117	68652	103.592	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	167206	103.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13810	112.693	ug/l	97

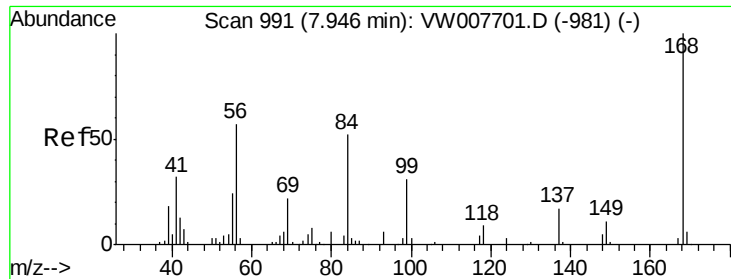
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118319	105.126	ug/l	99
94) Hexachlorobutadiene	15.24	225	61933	102.966	ug/l	99
95) Naphthalene	15.38	128	235168	113.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	103949	107.894	ug/l	99

(#) = 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: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

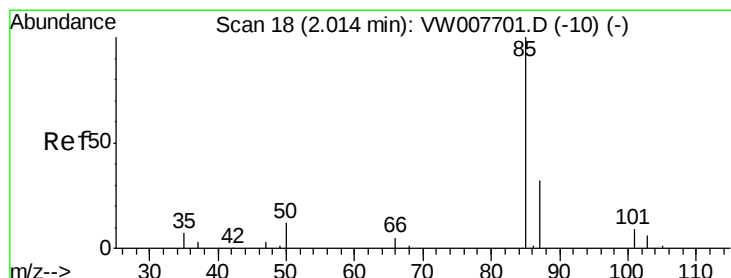
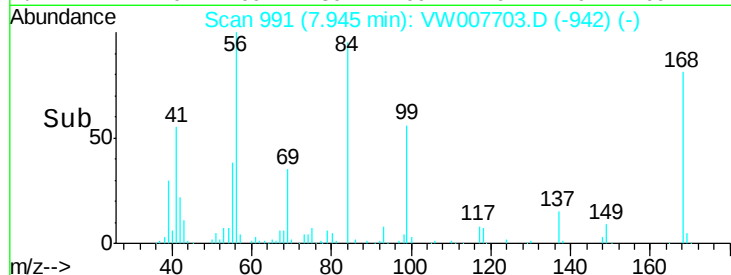
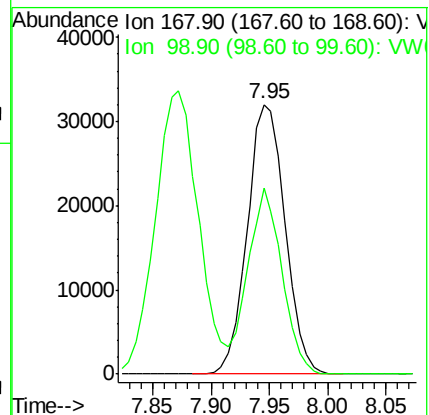
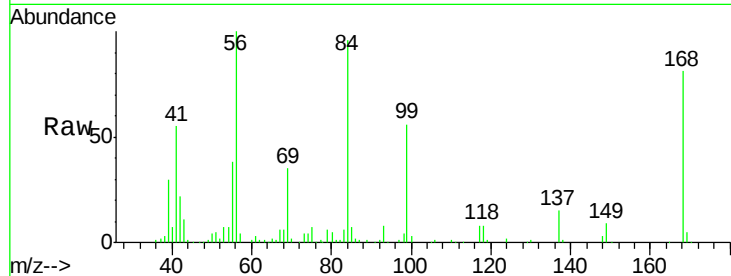
VSTDIC100

Tgt Ion: 168 Resp: 72190

Ion Ratio Lower Upper

168 100

99 69.0 54.0 81.0



#2

Dichlorodifluoromethane

Concen: 105.720 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007703.D

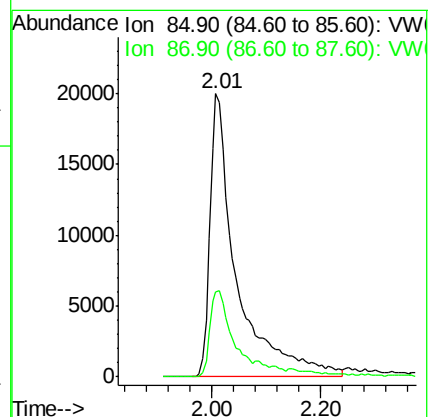
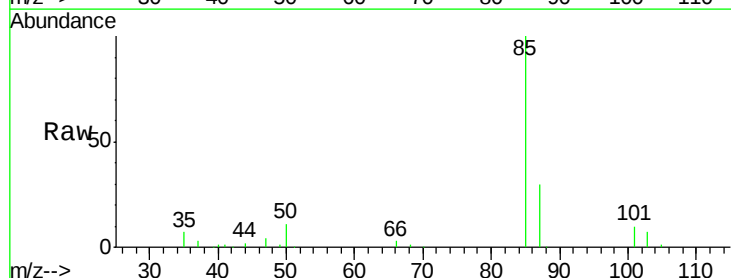
Acq: 19 Dec 2018 15:45

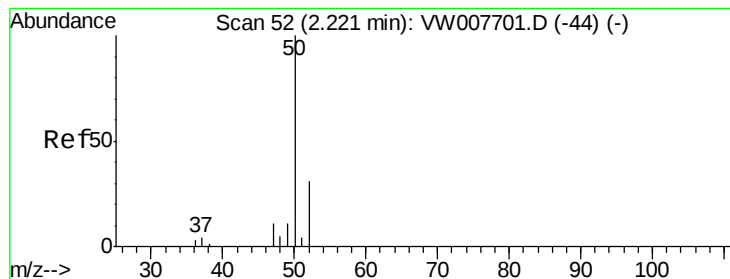
Tgt Ion: 85 Resp: 67847

Ion Ratio Lower Upper

85 100

87 30.1 16.3 48.8





#3

Chloromethane

Concen: 109.534 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

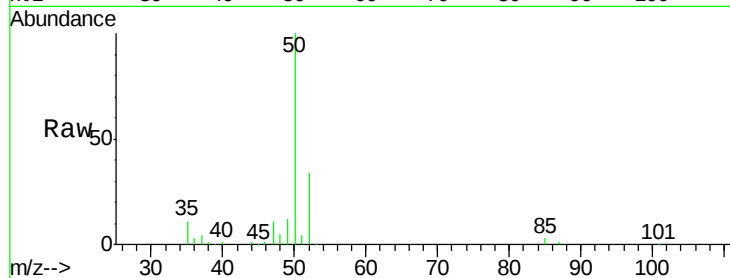
VSTDIC100

Tgt Ion: 50 Resp: 43165

Ion Ratio Lower Upper

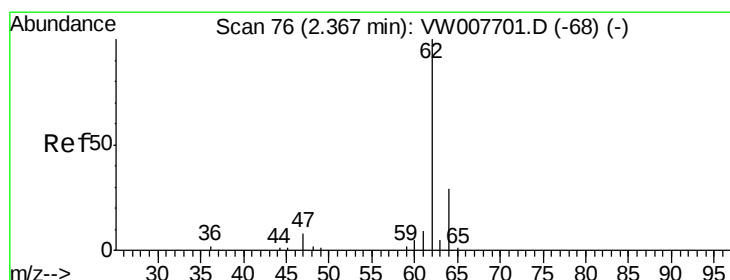
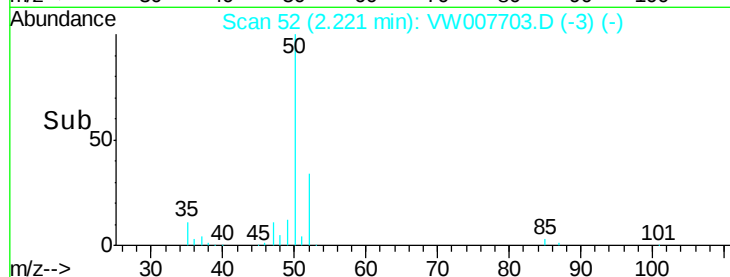
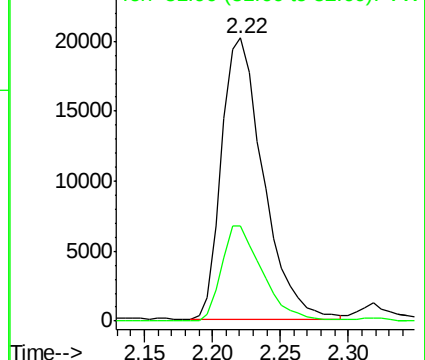
50 100

52 33.9 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 105.148 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007703.D

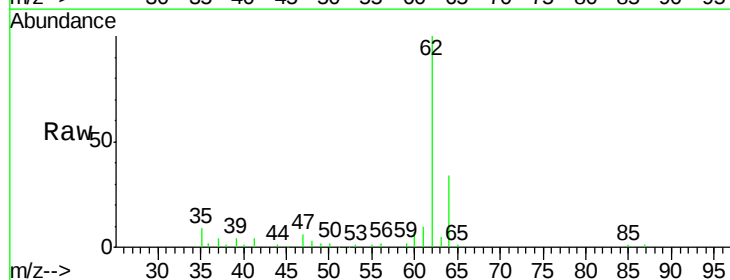
Acq: 19 Dec 2018 15:45

Tgt Ion: 62 Resp: 52747

Ion Ratio Lower Upper

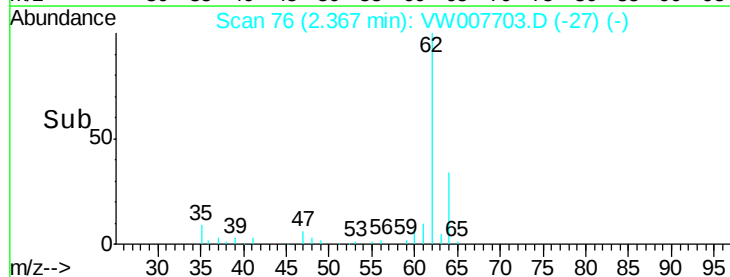
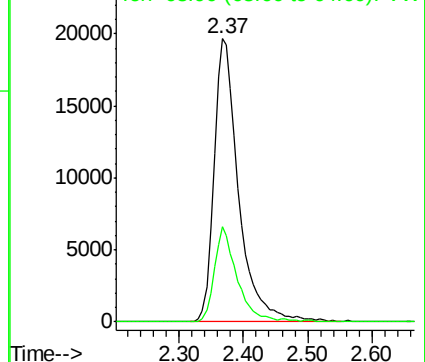
62 100

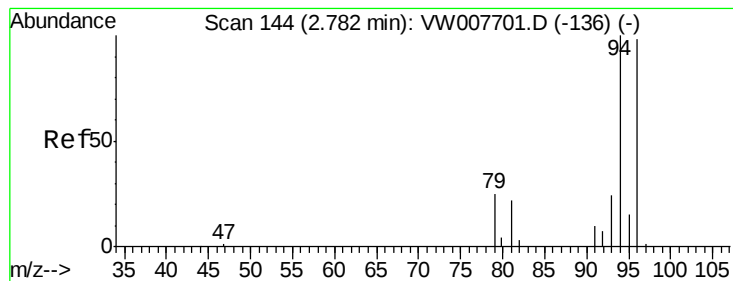
64 33.9 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 105.784 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

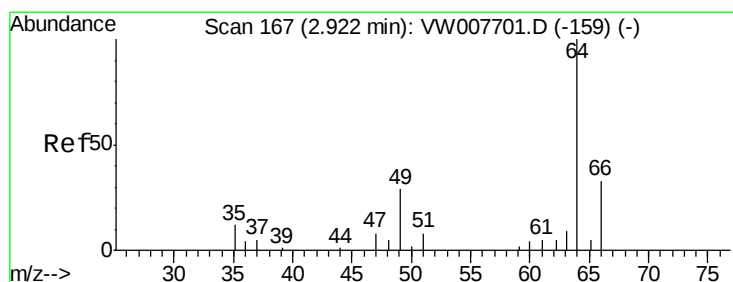
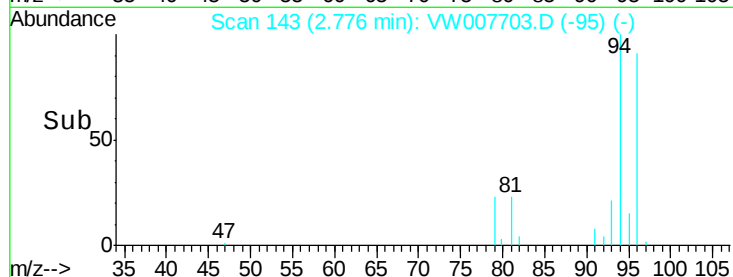
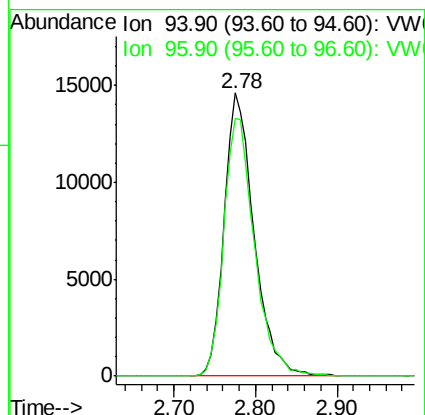
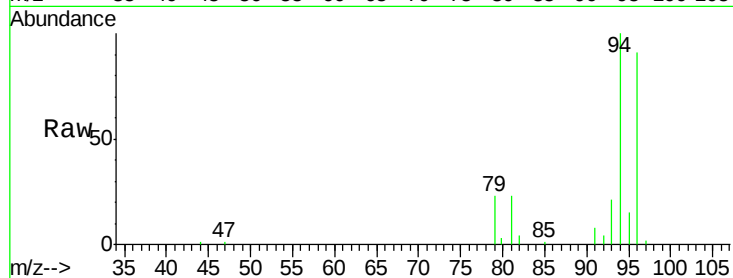
VSTDIC100

Tgt Ion: 94 Resp: 36961

Ion Ratio Lower Upper

94 100

96 91.0 78.2 117.2



#6

Chloroethane

Concen: 107.905 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007703.D

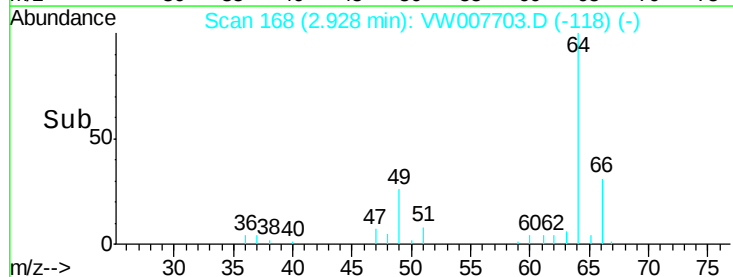
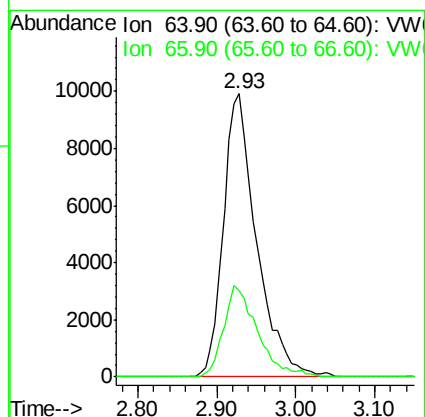
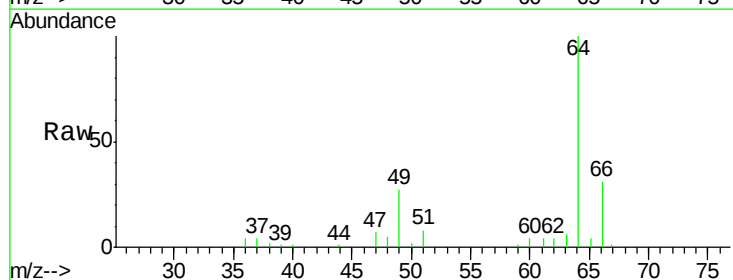
Acq: 19 Dec 2018 15:45

Tgt Ion: 64 Resp: 28959

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.4



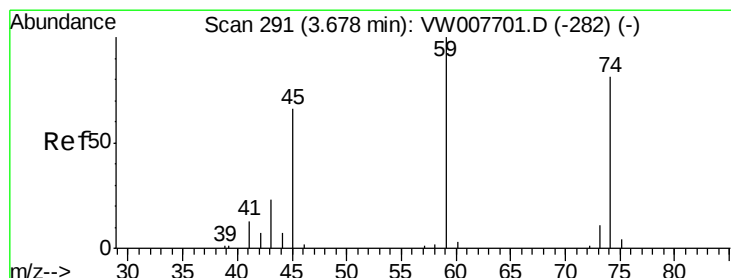
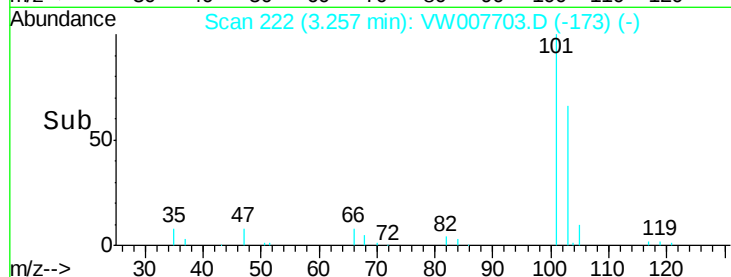
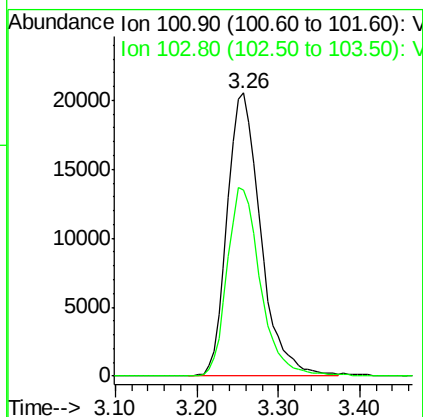
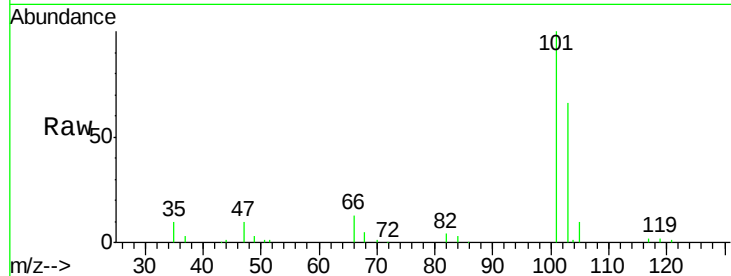


#7

Trichlorofluoromethane
 Concen: 111.804 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007703.D
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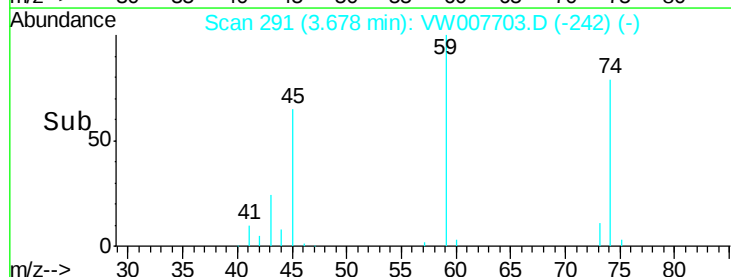
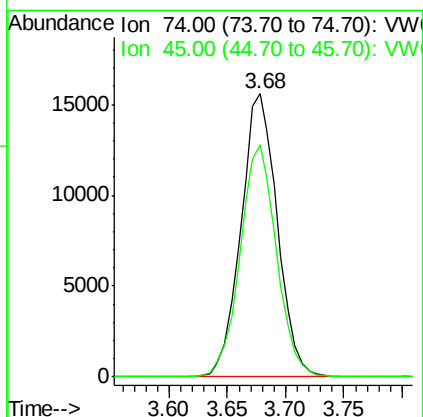
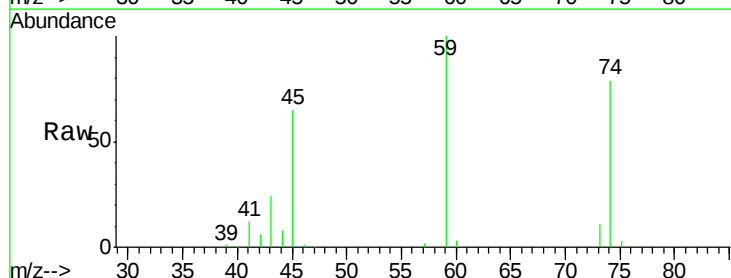
Tgt Ion: 101 Resp: 58391
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.4 80.2

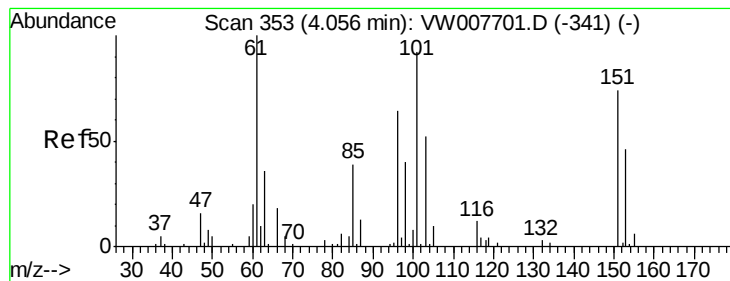


#8

Diethyl Ether
 Concen: 106.215 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 74 Resp: 33977
 Ion Ratio Lower Upper
 74 100
 45 81.9 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.101 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

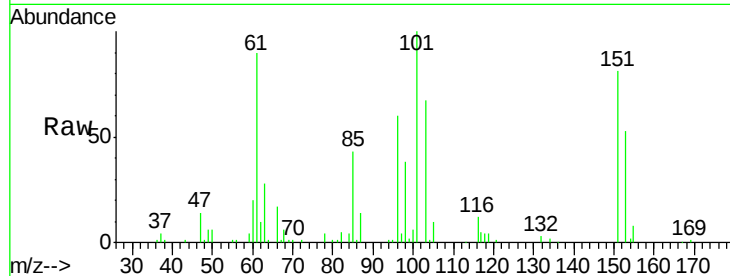
Tgt Ion:101 Resp: 77539

Ion Ratio Lower Upper

101 100

85 43.7 34.3 51.5

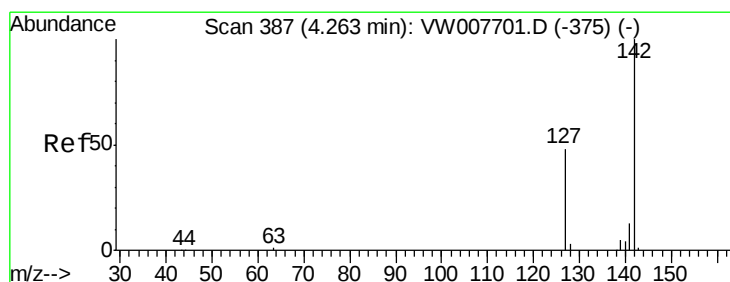
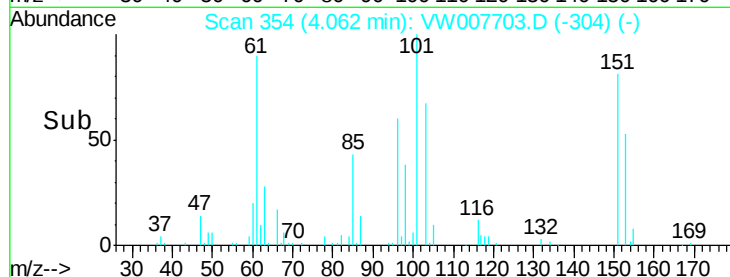
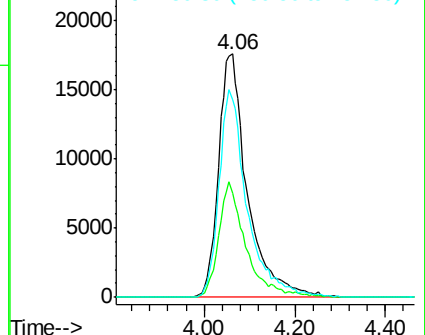
151 83.7 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.165 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

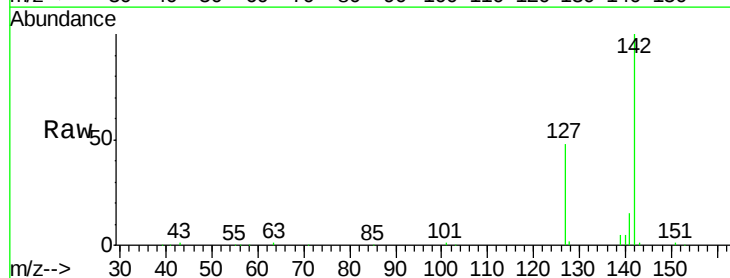
Tgt Ion:142 Resp: 126190

Ion Ratio Lower Upper

142 100

127 47.1 37.7 56.5

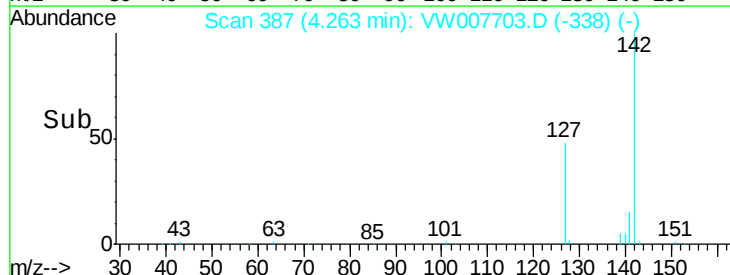
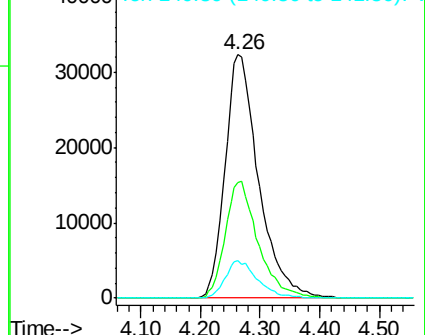
141 15.0 11.5 17.3

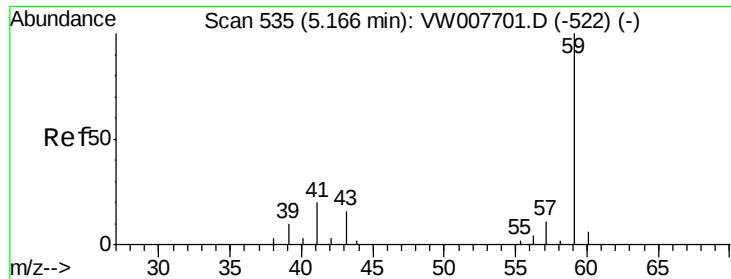


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

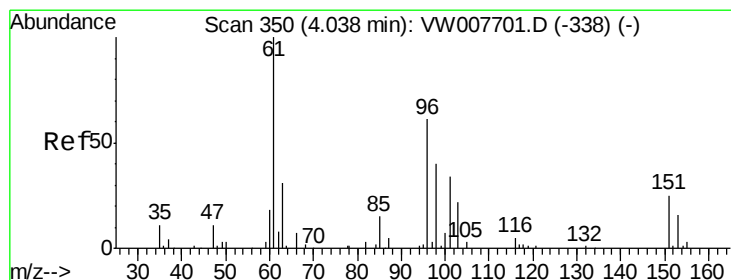
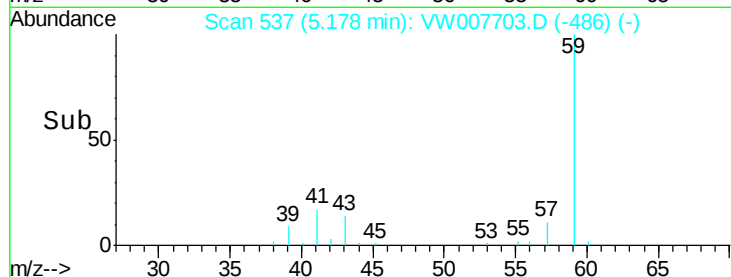
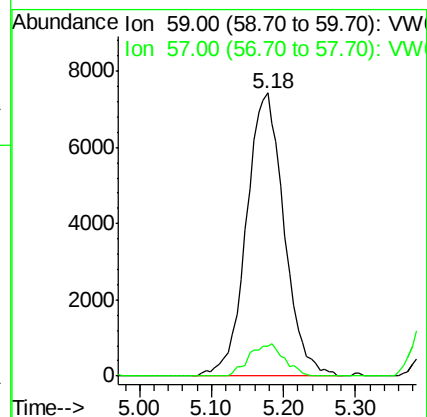
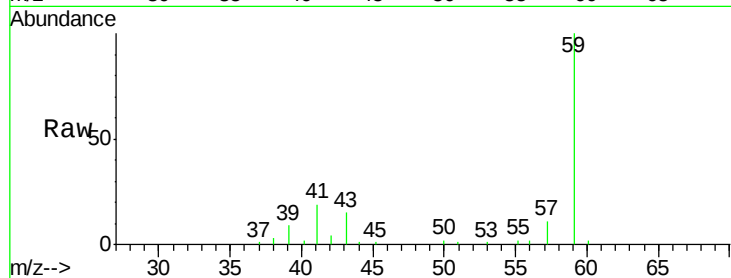




#11
Tert butyl alcohol
Concen: 504.412 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

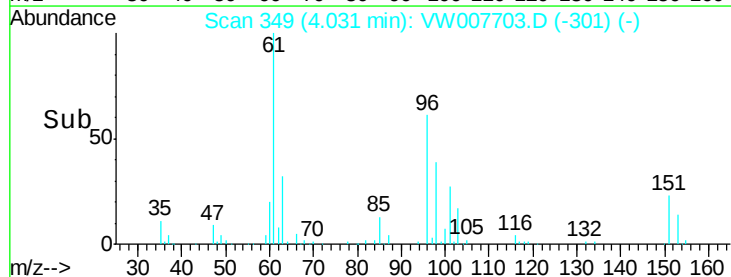
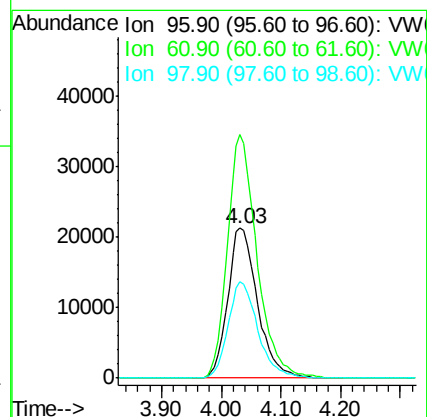
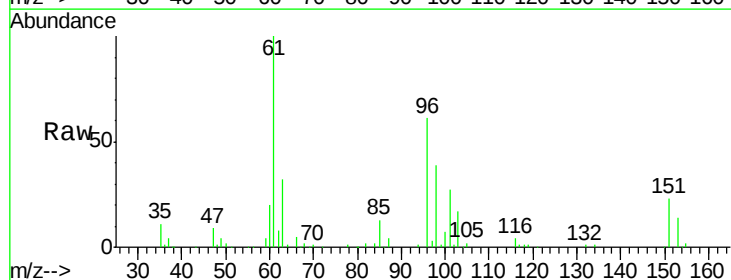
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

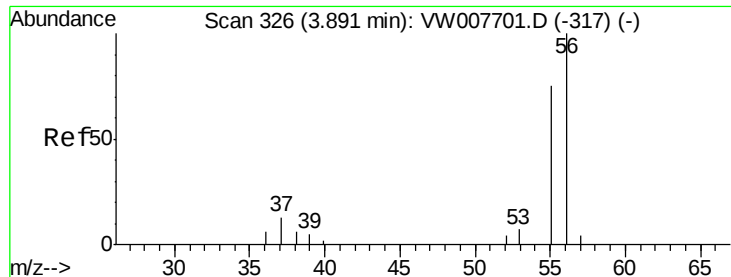
Tgt Ion: 59 Resp: 26923
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8



#12
1,1-Dichloroethene
Concen: 103.961 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 96 Resp: 74045
Ion Ratio Lower Upper
96 100
61 162.7 130.6 195.8
98 64.2 52.3 78.5





#13

Acrolein

Concen: 493.644 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

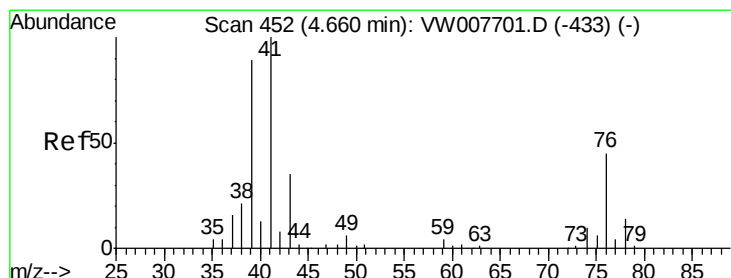
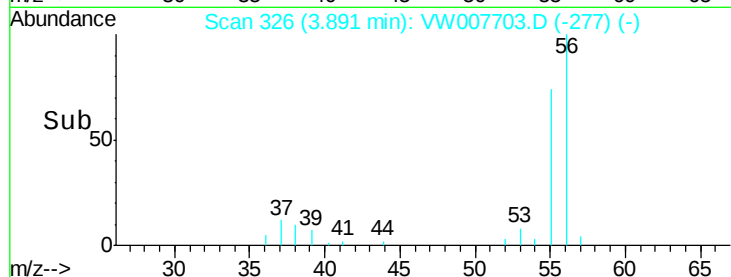
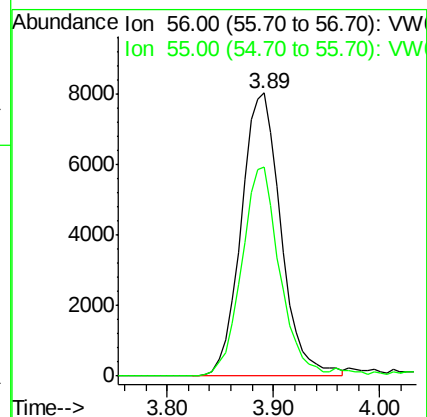
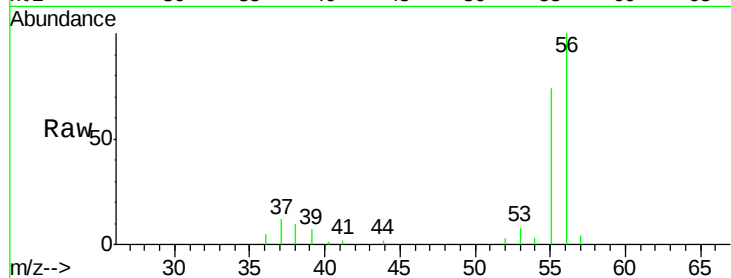
VSTDIC100

Tgt Ion: 56 Resp: 21067

Ion Ratio Lower Upper

56 100

55 70.5 57.7 86.5



#14

Allyl chloride

Concen: 103.188 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

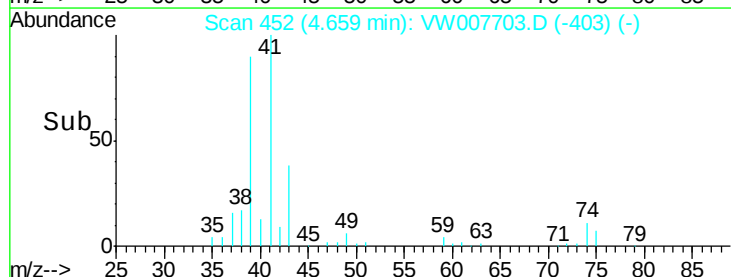
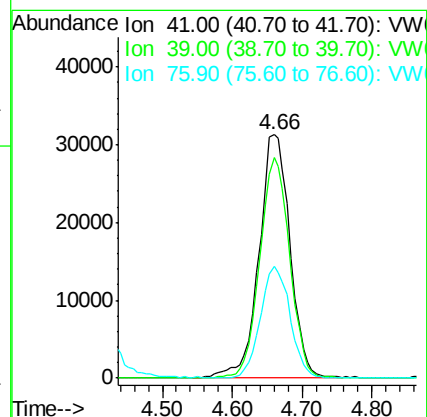
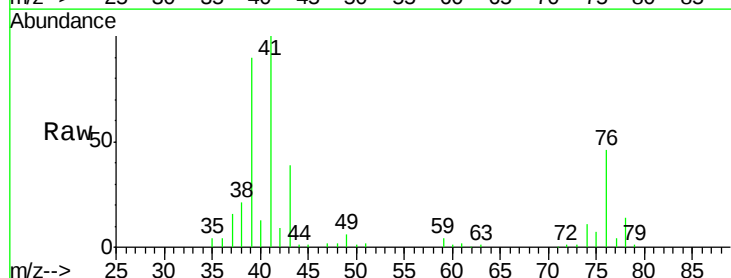
Tgt Ion: 41 Resp: 96378

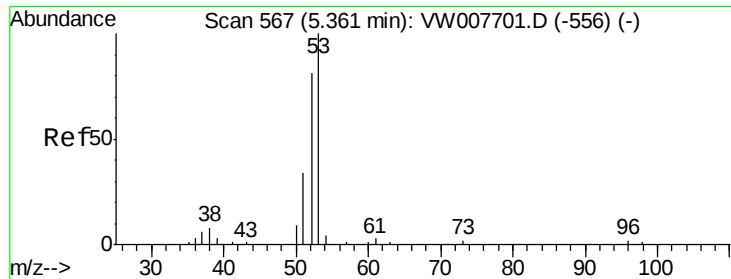
Ion Ratio Lower Upper

41 100

39 87.6 69.5 104.3

76 44.0 34.8 52.2





#15

Acrylonitrile

Concen: 537.110 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

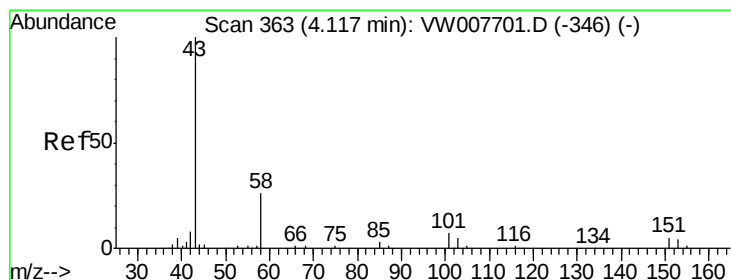
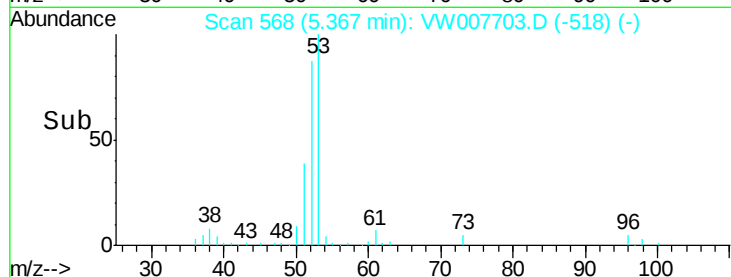
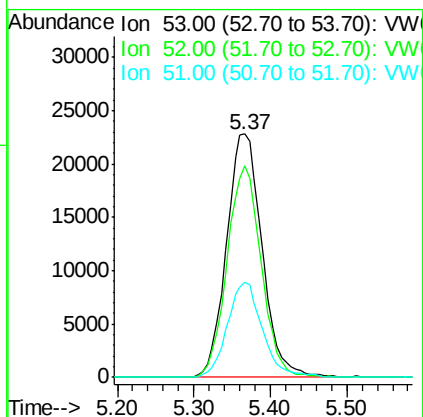
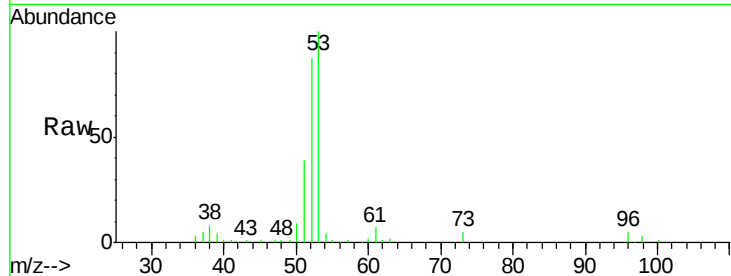
Tgt Ion: 53 Resp: 73291

Ion Ratio Lower Upper

53 100

52 83.3 67.0 100.4

51 38.4 30.2 45.2



#16

Acetone

Concen: 491.650 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007703.D

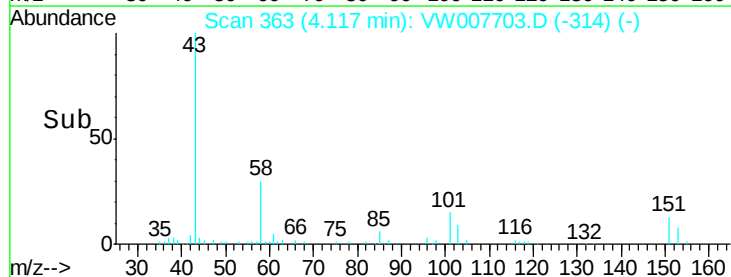
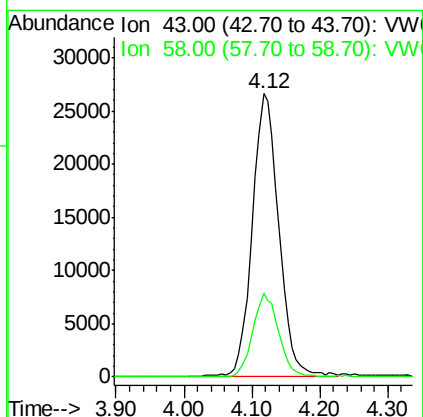
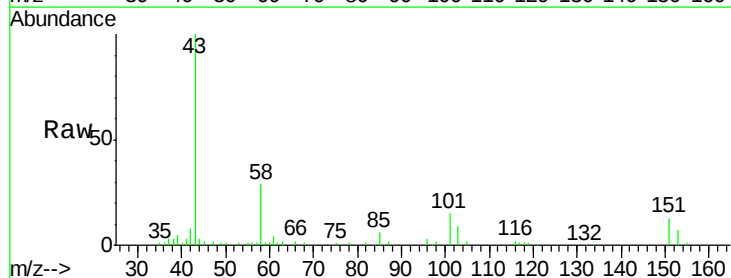
Acq: 19 Dec 2018 15:45

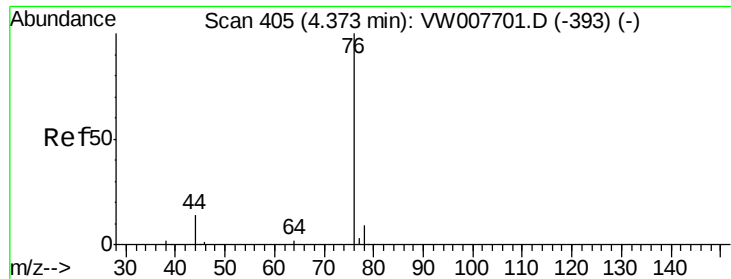
Tgt Ion: 43 Resp: 72846

Ion Ratio Lower Upper

43 100

58 29.5 21.2 31.8

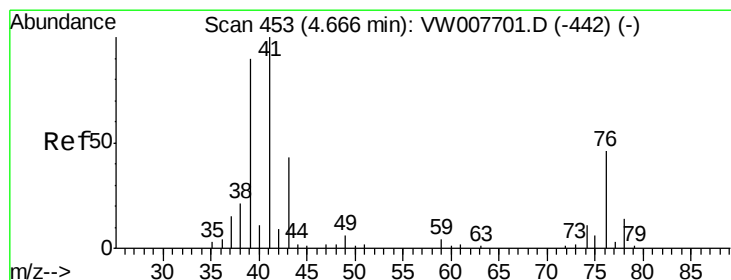
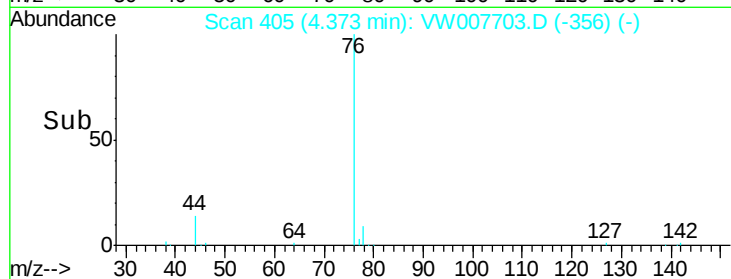
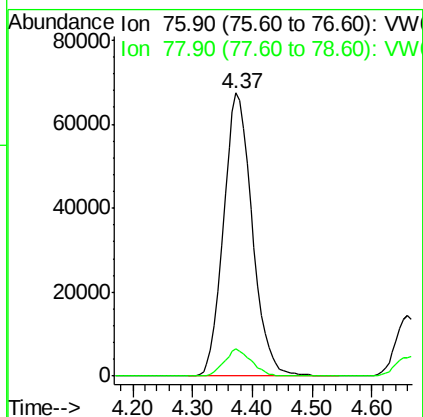
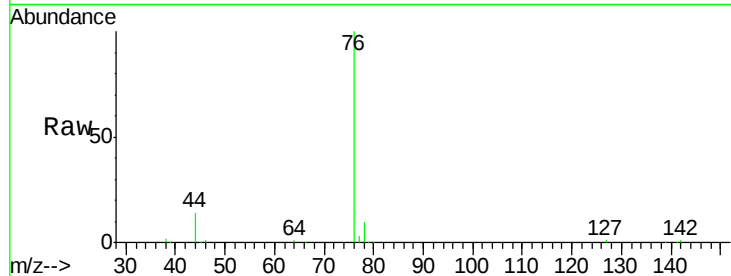




#17
Carbon Disulfide
Concen: 102.344 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

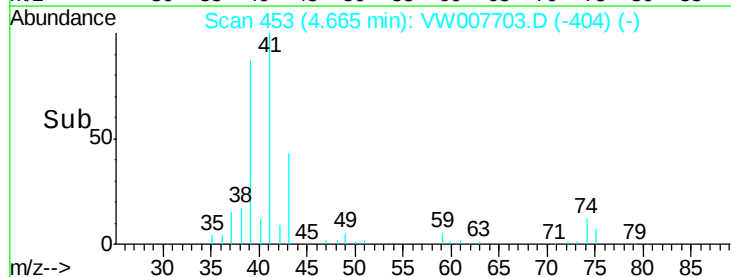
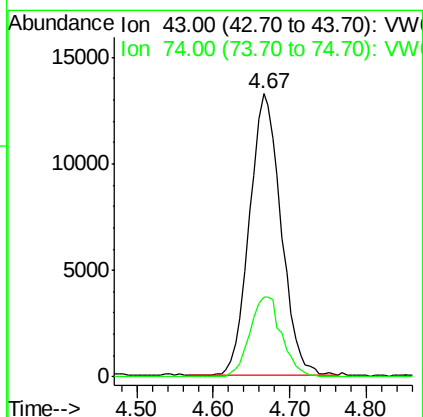
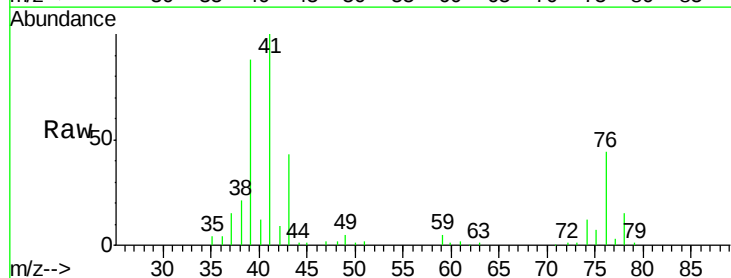
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

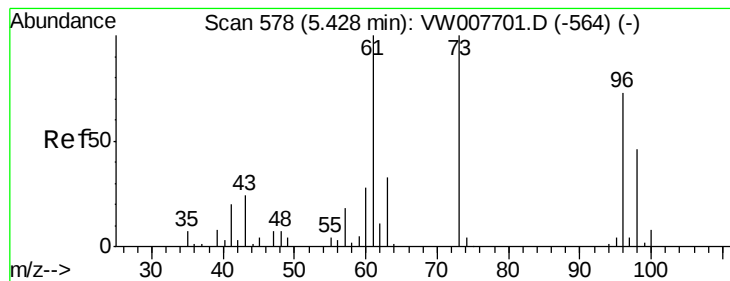
Tgt Ion: 76 Resp: 225573
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 108.587 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 43 Resp: 38263
Ion Ratio Lower Upper
43 100
74 28.3 22.7 34.1



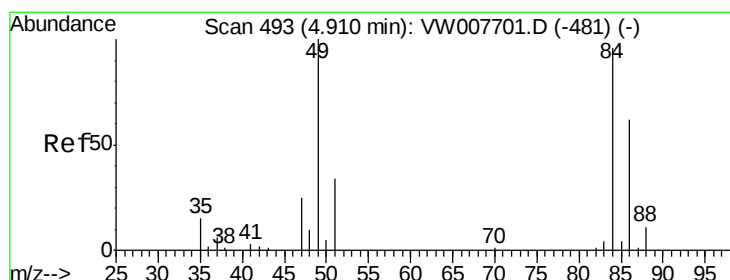
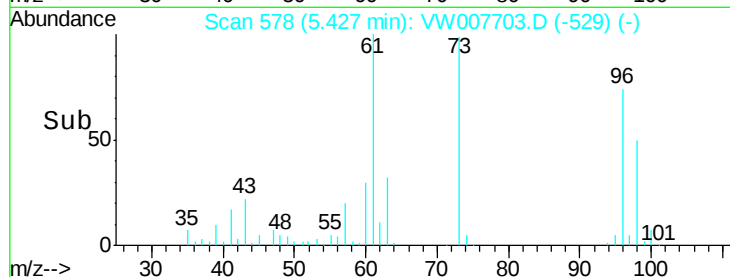
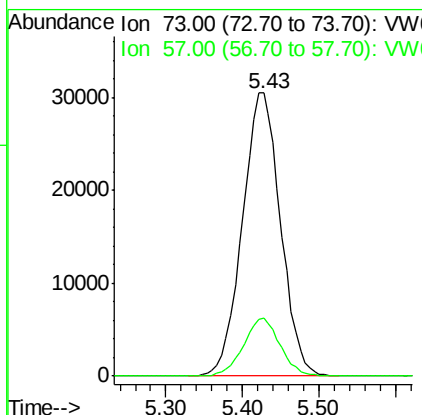
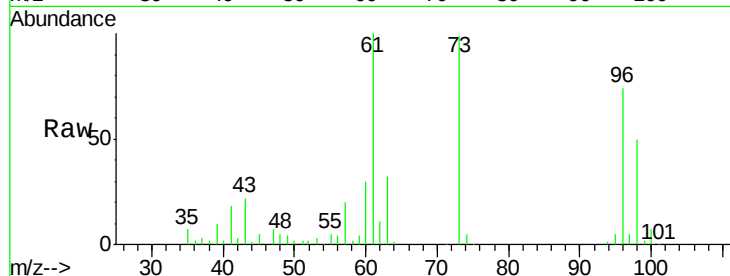


#19

Methyl tert-butyl Ether
 Concen: 103.032 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

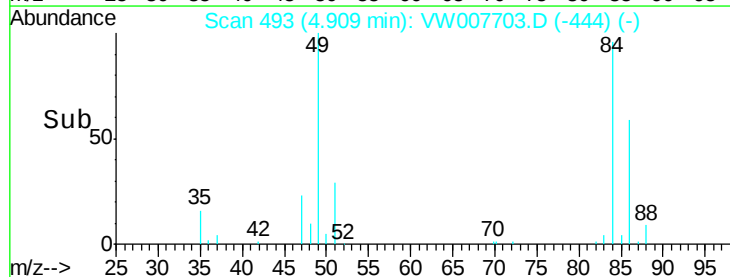
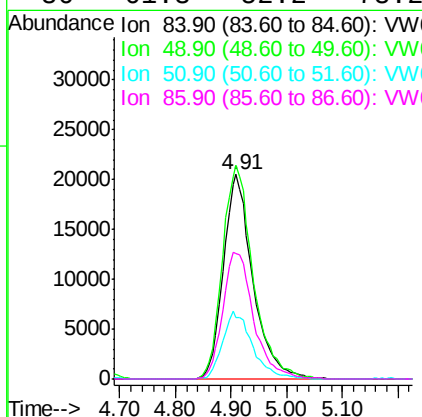
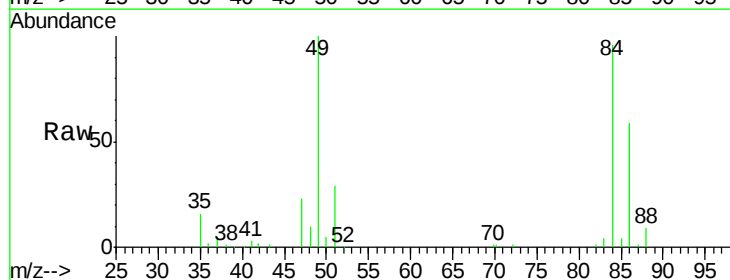
Tgt Ion: 73 Resp: 105352
 Ion Ratio Lower Upper
 73 100
 57 20.4 14.7 22.1

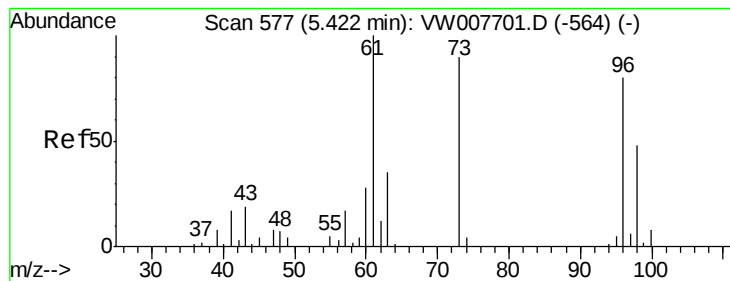


#20

Methylene Chloride
 Concen: 84.101 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 84 Resp: 75104
 Ion Ratio Lower Upper
 84 100
 49 104.5 83.7 125.5
 51 29.8 28.2 42.2
 86 61.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 102.830 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

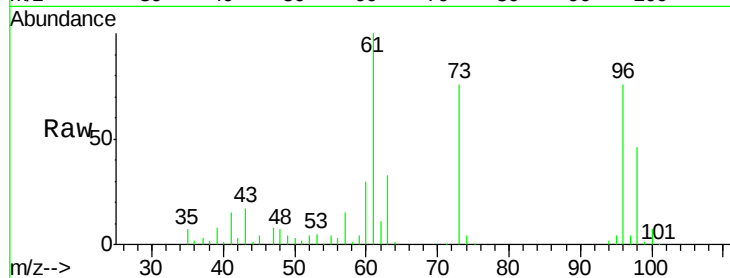
Tgt Ion: 96 Resp: 80550

Ion Ratio Lower Upper

96 100

61 131.0 100.1 150.1

98 59.8 48.5 72.7

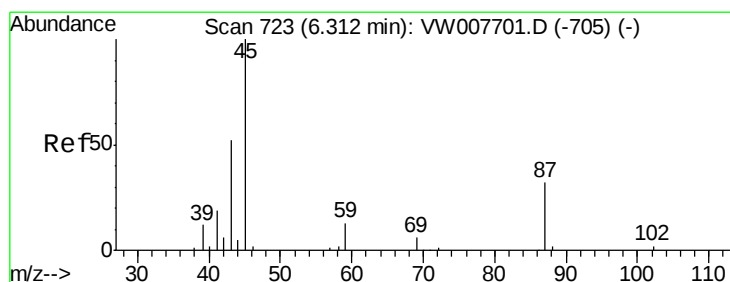
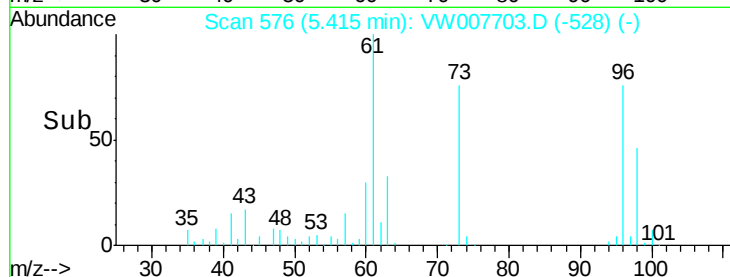
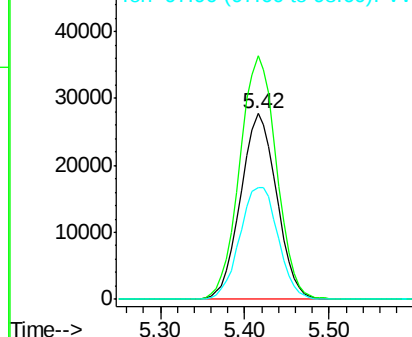


Abundance

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: 104.001 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion: 45 Resp: 181887

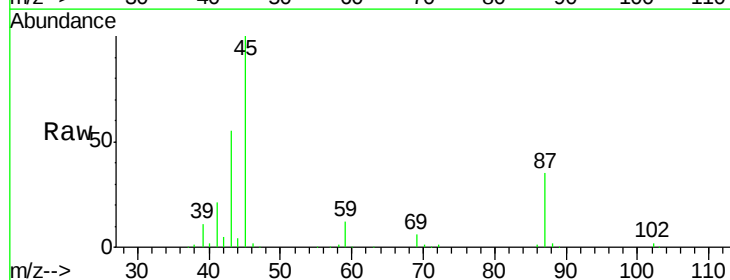
Ion Ratio Lower Upper

45 100

43 54.8 43.7 65.5

87 34.5 26.6 40.0

59 11.7 10.2 15.2



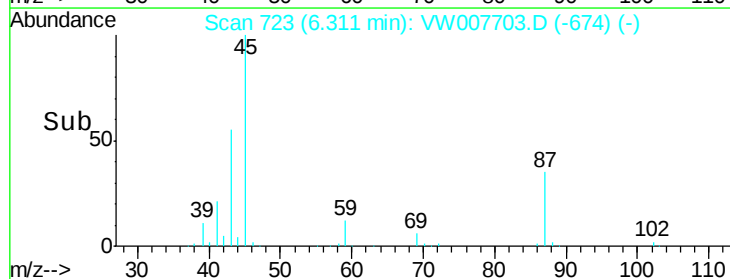
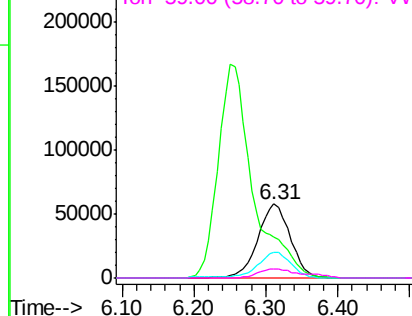
Abundance

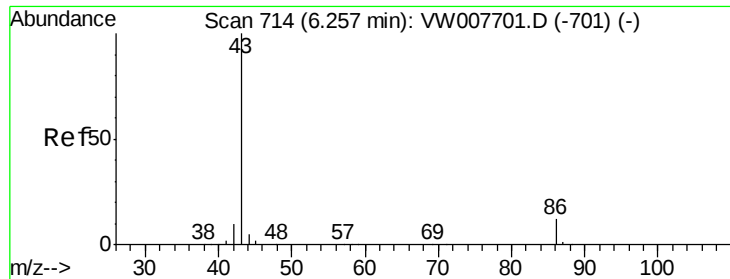
Ion 45.00 (44.70 to 45.70): VW

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: 541.612 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

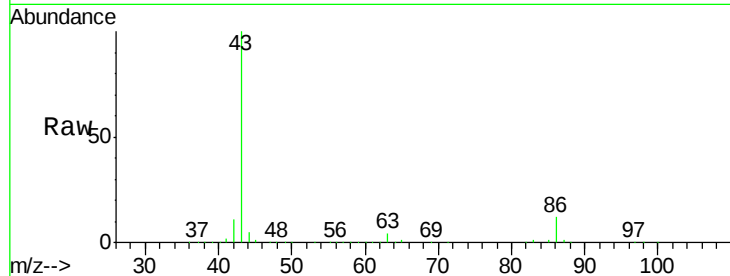
VSTDIC100

Tgt Ion: 43 Resp: 562773

Ion Ratio Lower Upper

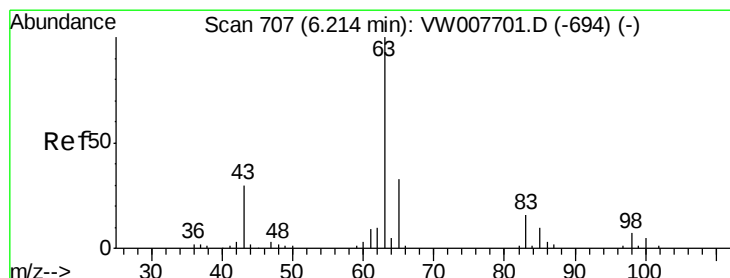
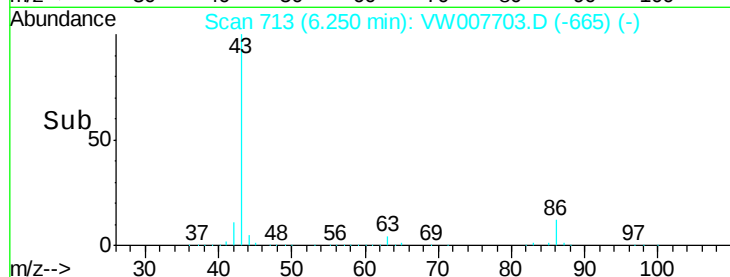
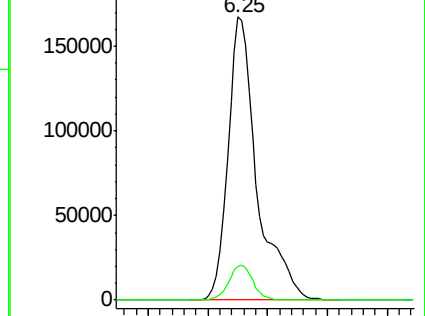
43 100

86 12.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 103.688 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

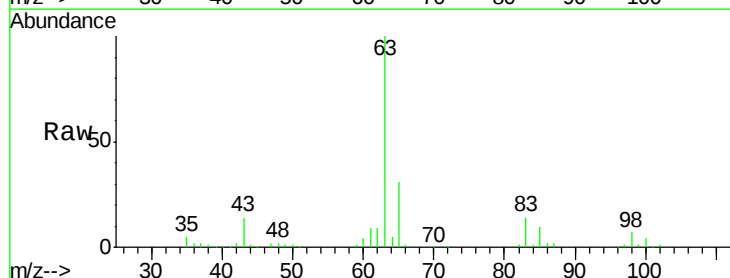
Tgt Ion: 63 Resp: 133404

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

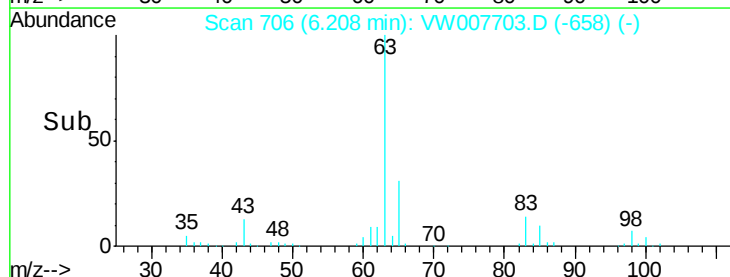
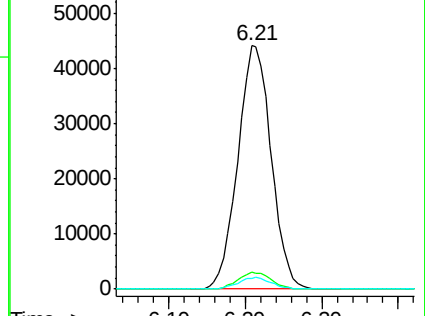
100 4.3 2.5 7.5

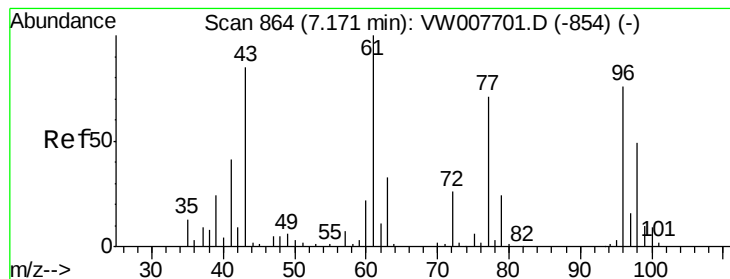


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 523.682 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

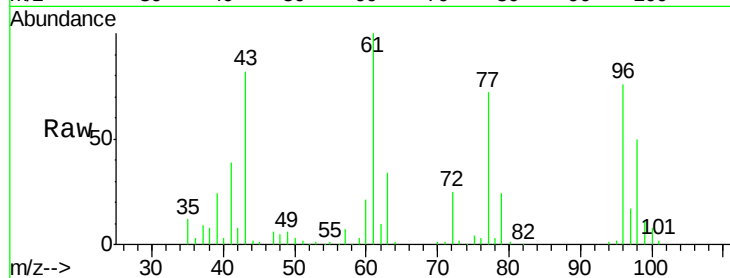
VSTDIC100

Tgt Ion: 43 Resp: 90883

Ion Ratio Lower Upper

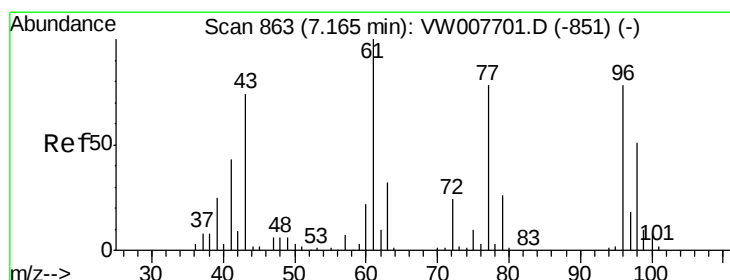
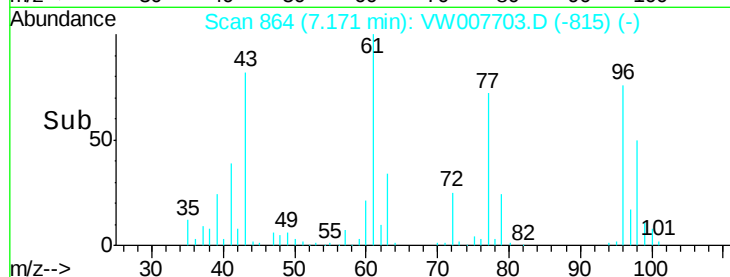
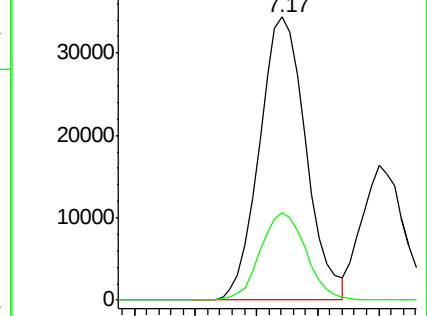
43 100

72 30.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 98.608 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007703.D

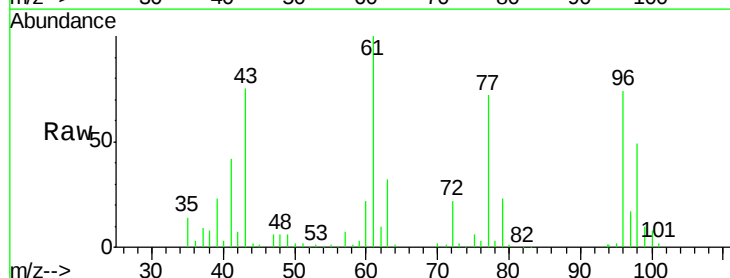
Acq: 19 Dec 2018 15:45

Tgt Ion: 77 Resp: 92837

Ion Ratio Lower Upper

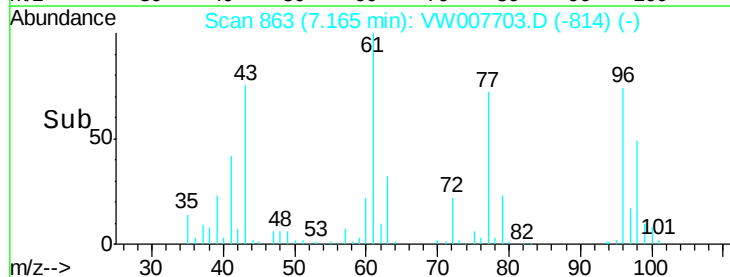
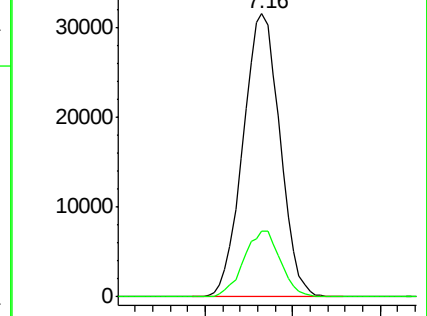
77 100

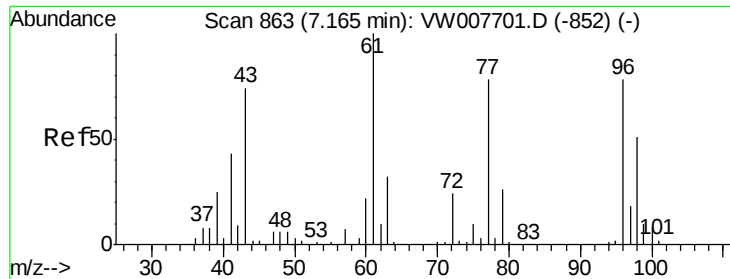
97 23.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



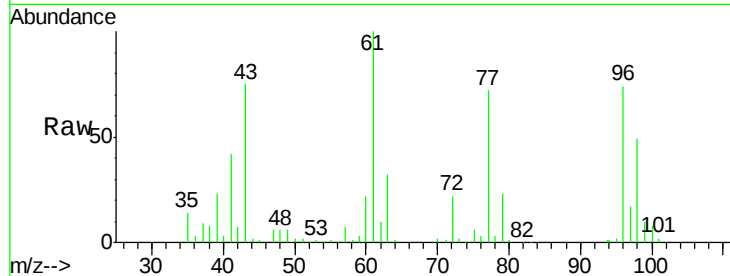


#27

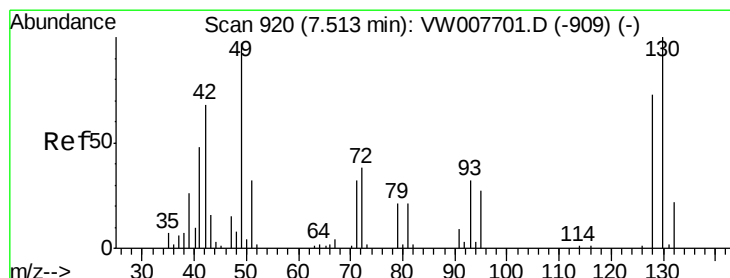
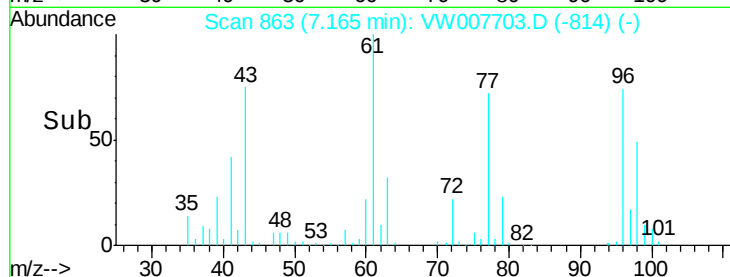
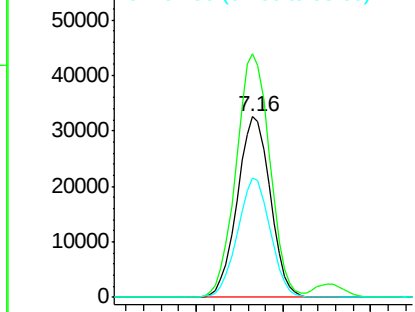
cis-1,2-Dichloroethene
Concen: 102.754 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 85754
Ion Ratio Lower Upper
96 100
61 137.3 0.0 271.6
98 65.2 0.0 131.2



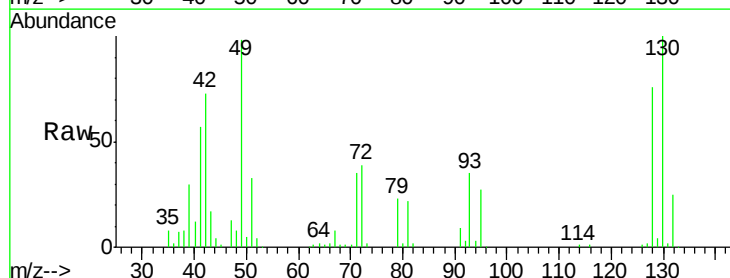
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



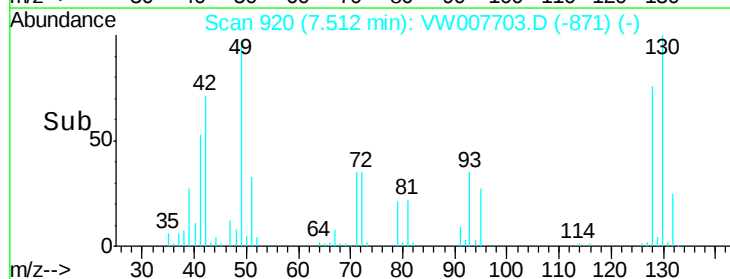
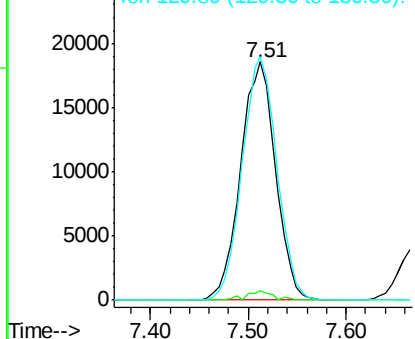
#28

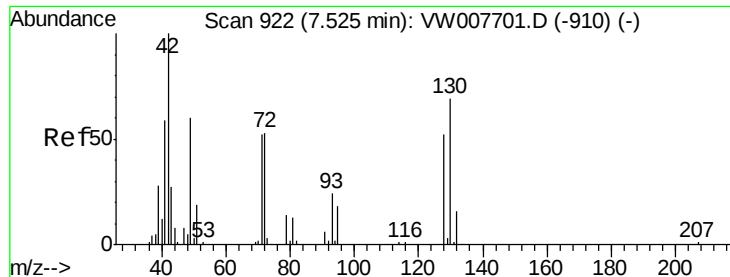
Bromochloromethane
Concen: 104.665 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 49 Resp: 45913
Ion Ratio Lower Upper
49 100
129 2.9 0.0 2.2#
130 101.2 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

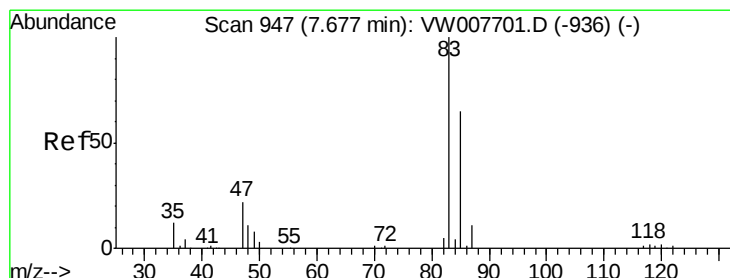
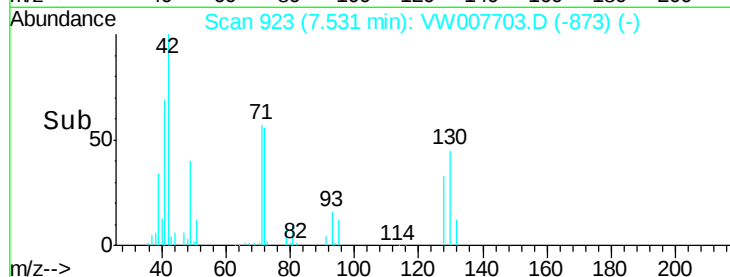
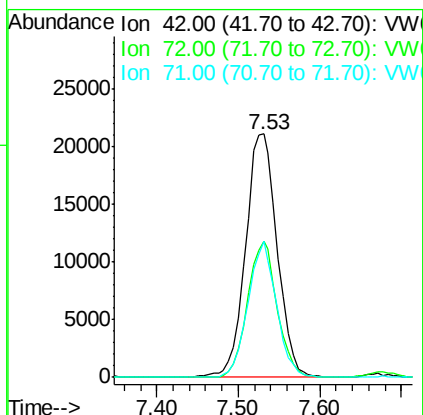
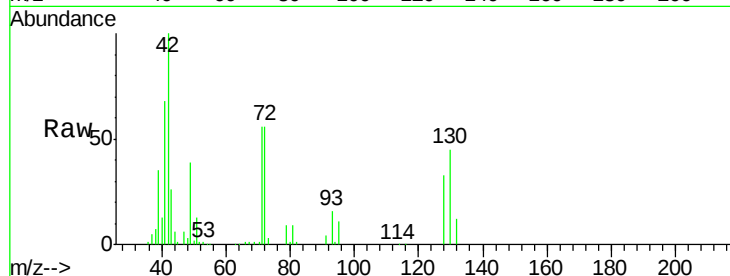




#29
Tetrahydrofuran
Concen: 549.714 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

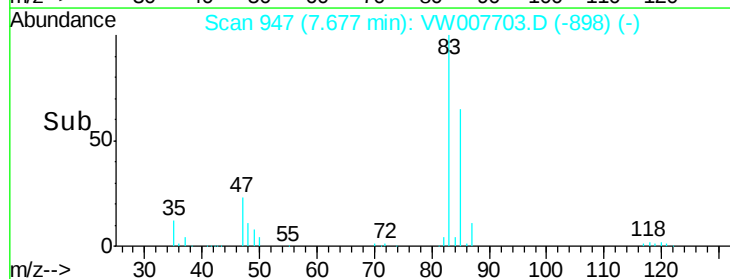
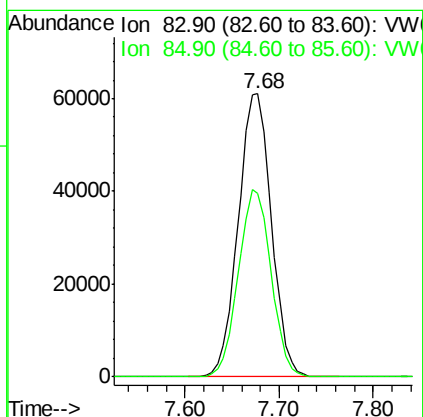
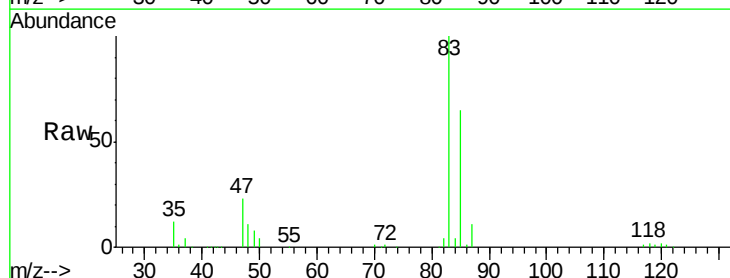
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

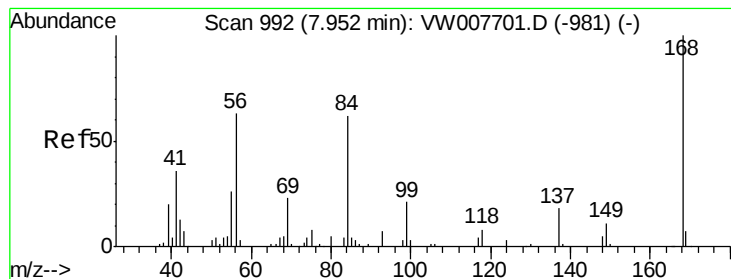
Tgt Ion: 42 Resp: 56905
Ion Ratio Lower Upper
42 100
72 52.2 41.7 62.5
71 50.3 39.0 58.6



#30
Chloroform
Concen: 103.360 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 83 Resp: 150495
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.2

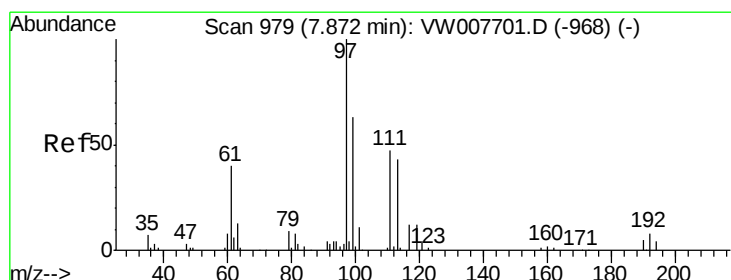
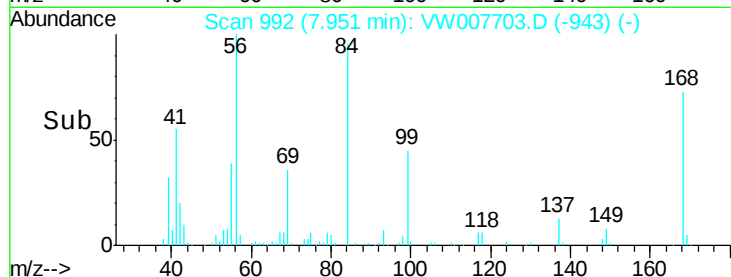
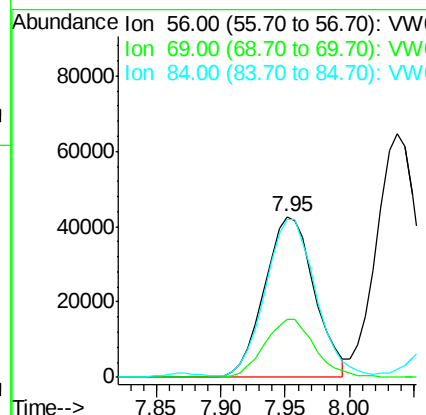
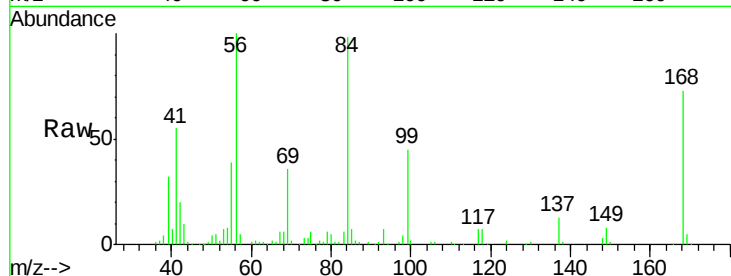




#31
Cyclohexane
Concen: 97.289 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

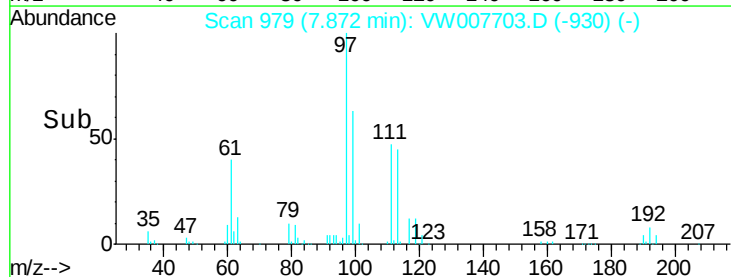
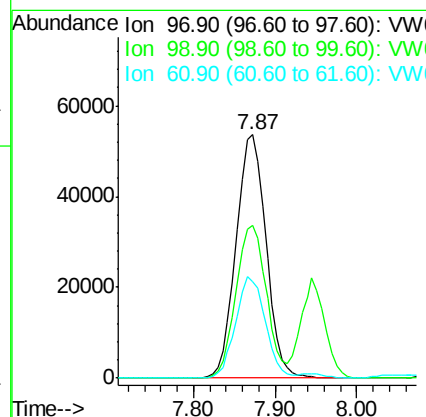
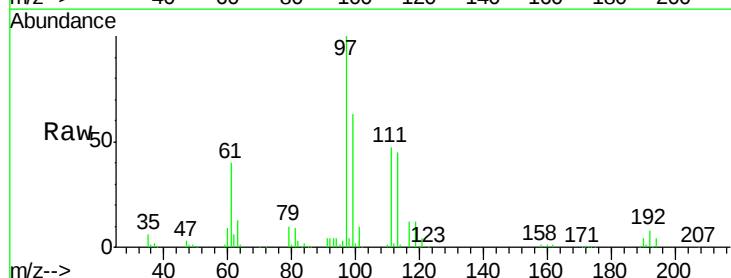
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

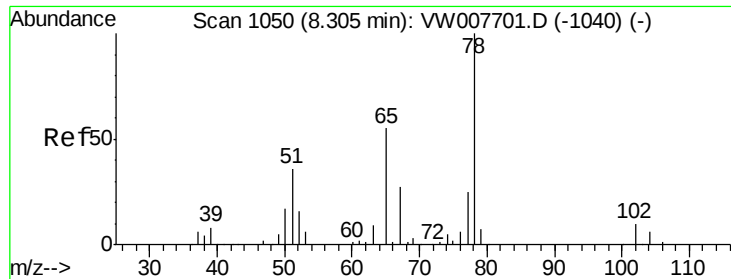
Tgt Ion: 56 Resp: 114591
Ion Ratio Lower Upper
56 100
69 36.3 29.7 44.5
84 96.2 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 102.948 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 97 Resp: 136516
Ion Ratio Lower Upper
97 100
99 64.0 50.6 76.0
61 41.1 32.3 48.5

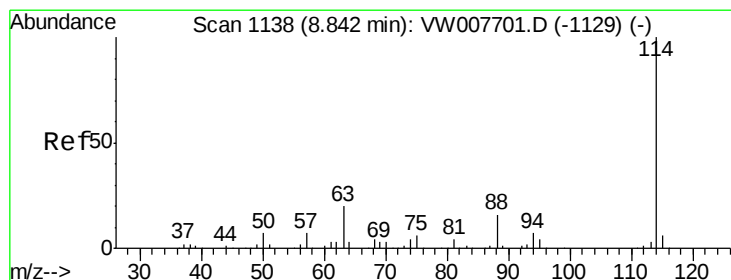
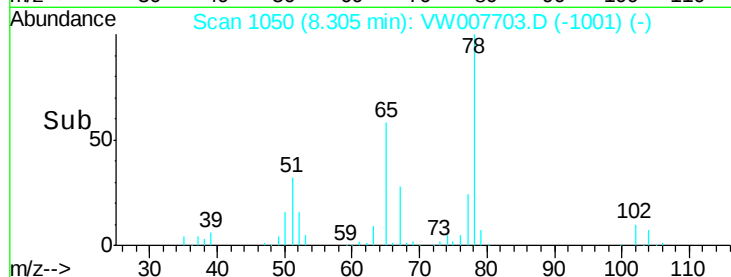
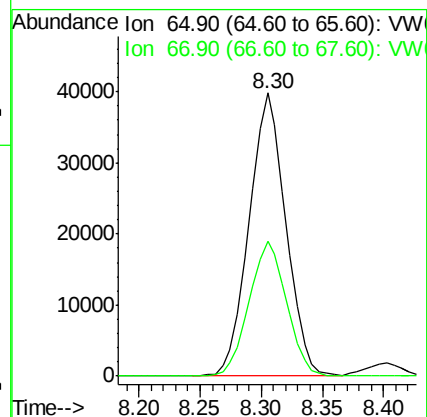
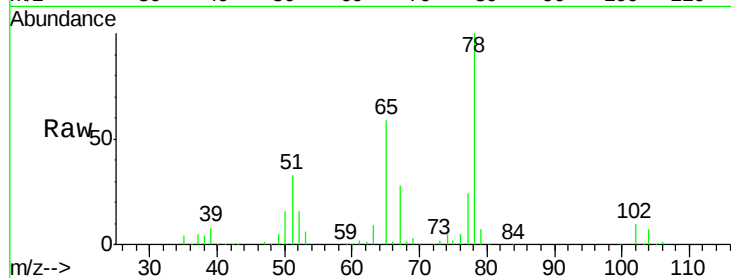




#33
 1,2-Dichloroethane-d4
 Concen: 105.184 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

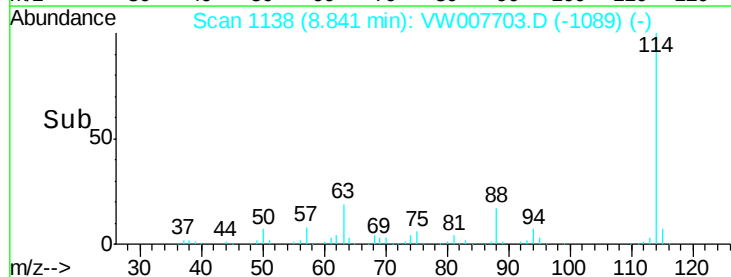
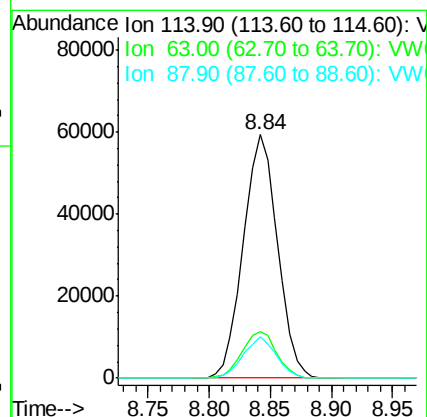
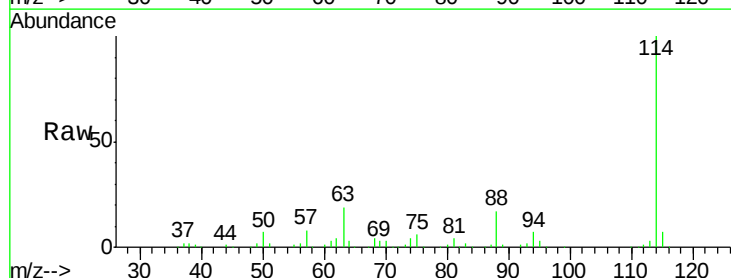
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

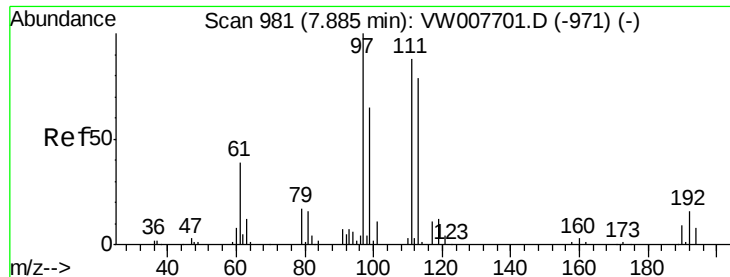
Tgt Ion: 65 Resp: 83225
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 114 Resp: 115358
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 105.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

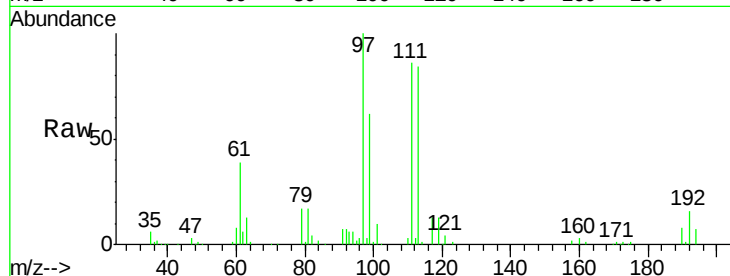
Tgt Ion: 113 Resp: 73898

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

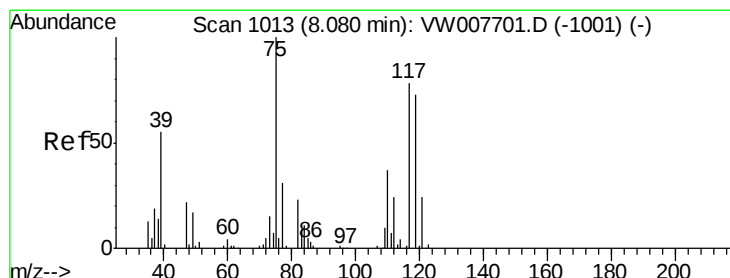
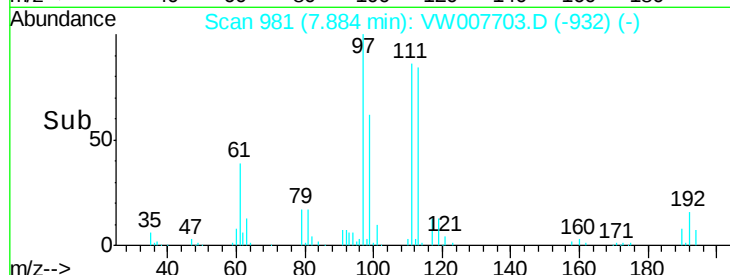
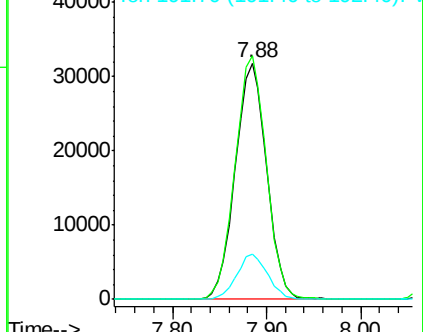
192 18.8 15.5 23.3



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: 102.845 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

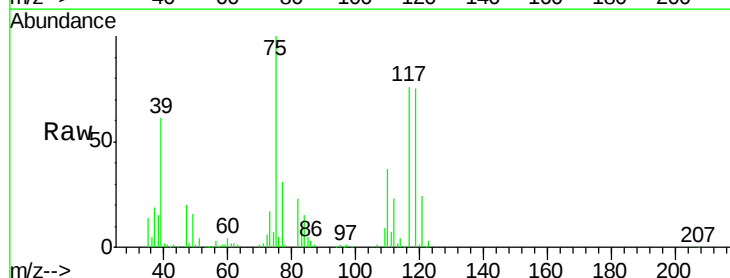
Tgt Ion: 75 Resp: 114509

Ion Ratio Lower Upper

75 100

110 36.9 18.6 55.8

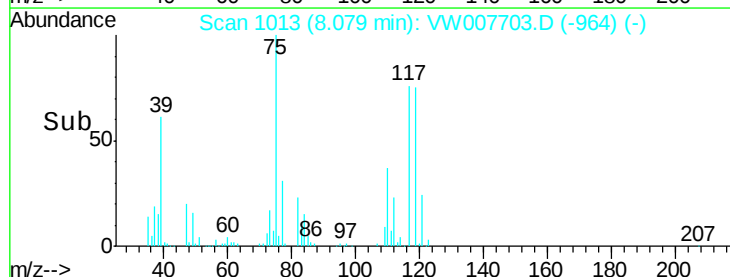
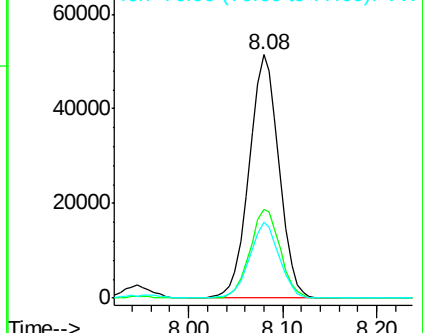
77 31.0 25.0 37.4

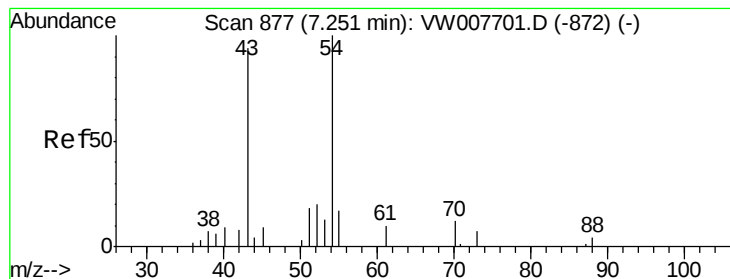


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 104.980 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

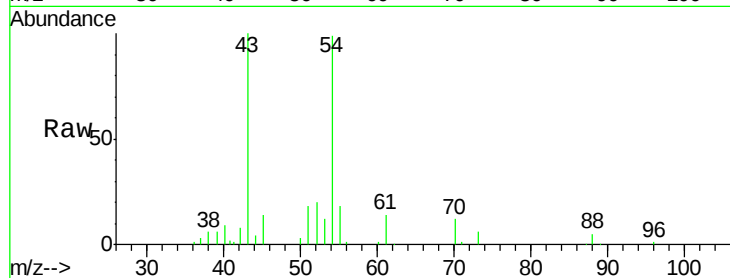
Tgt Ion: 43 Resp: 40339

Ion Ratio Lower Upper

43 100

61 15.0 11.2 16.8

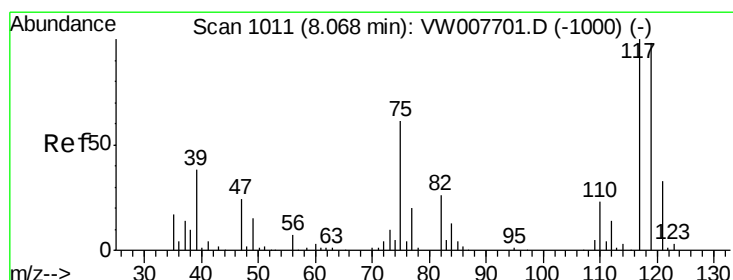
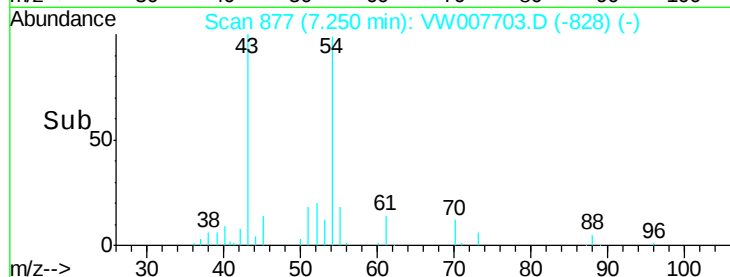
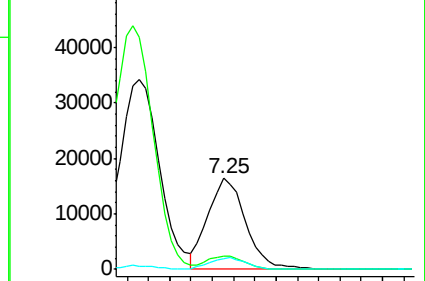
70 12.2 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 104.865 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

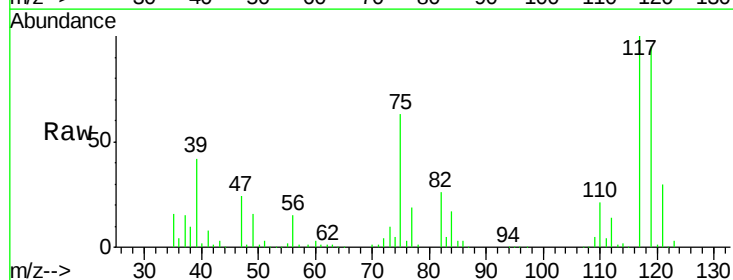
Tgt Ion: 117 Resp: 137505

Ion Ratio Lower Upper

117 100

119 95.0 78.2 117.2

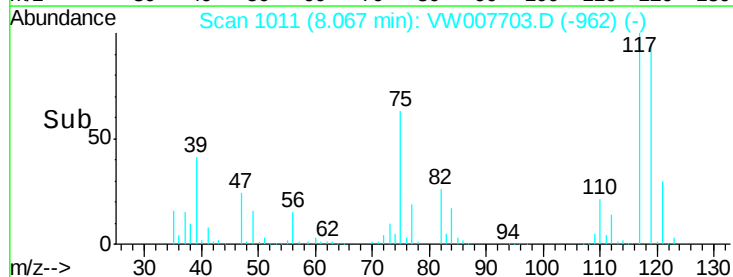
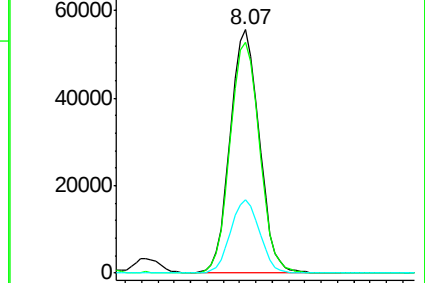
121 30.3 26.1 39.1

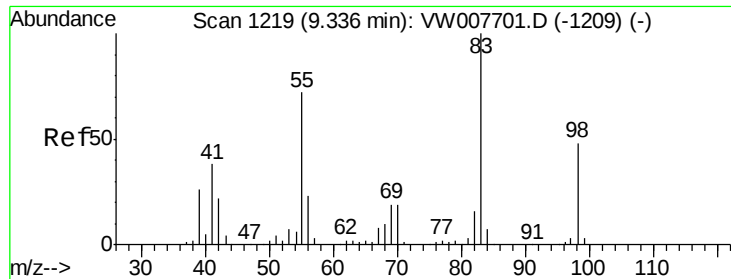


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

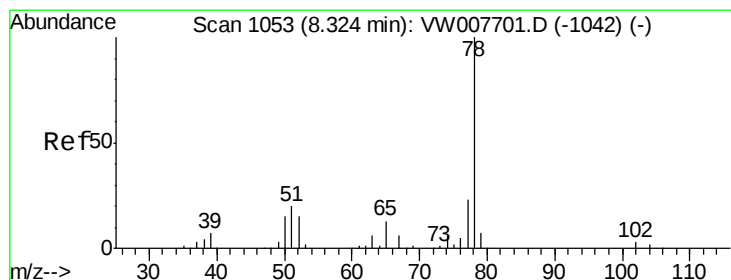
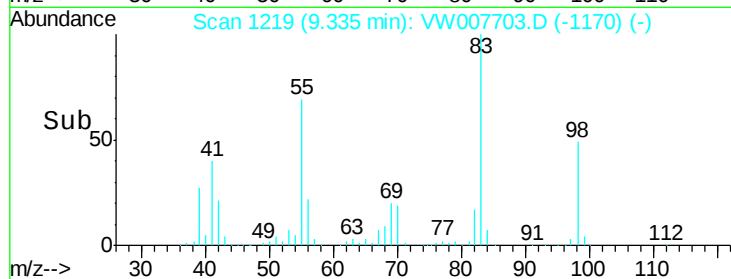
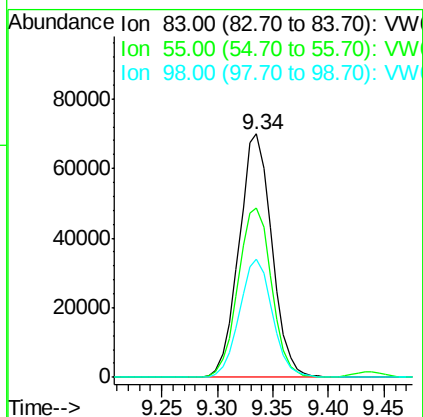
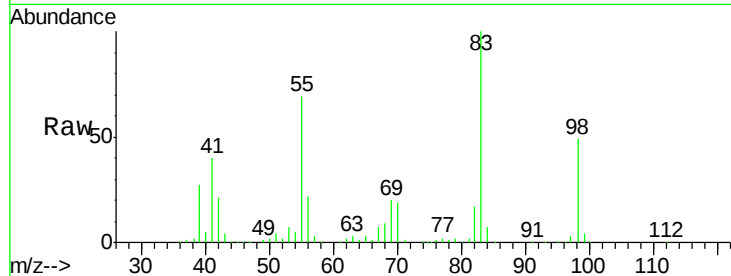




#39
Methylcyclohexane
Concen: 103.867 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

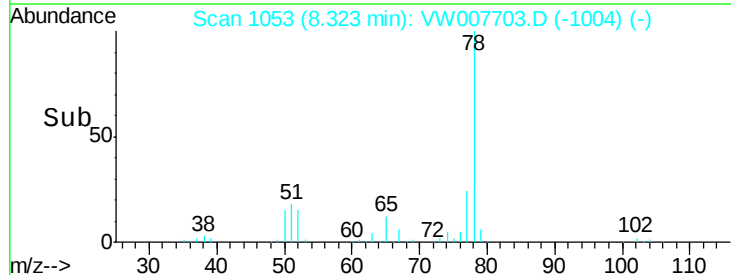
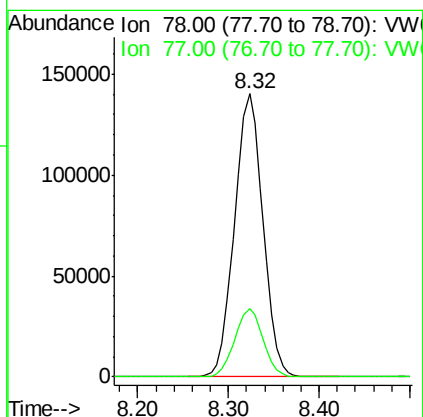
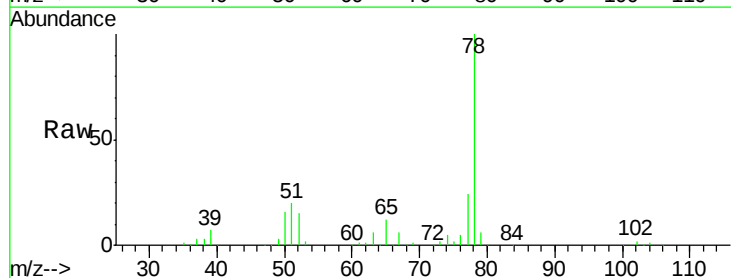
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

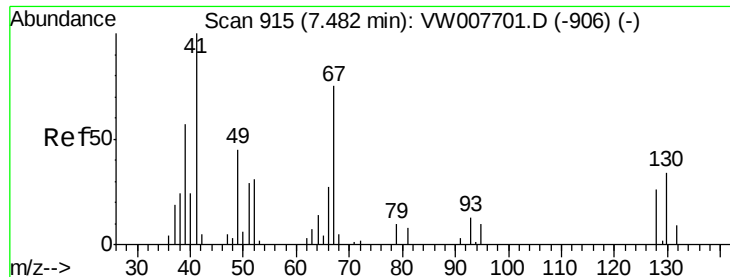
Tgt Ion: 83 Resp: 143703
Ion Ratio Lower Upper
83 100
55 69.4 57.2 85.8
98 48.6 38.6 58.0



#40
Benzene
Concen: 102.289 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 78 Resp: 303912
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

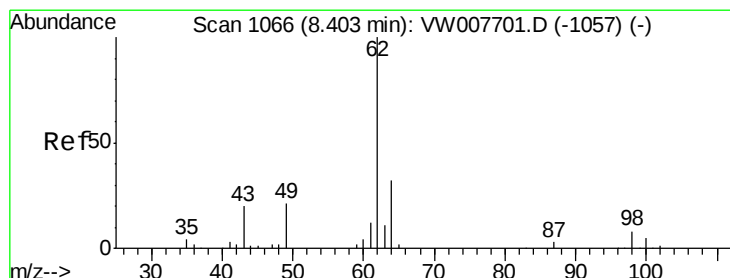
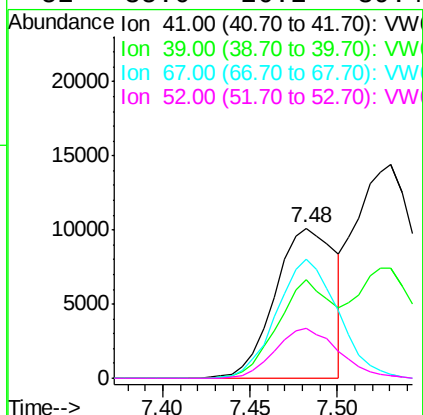
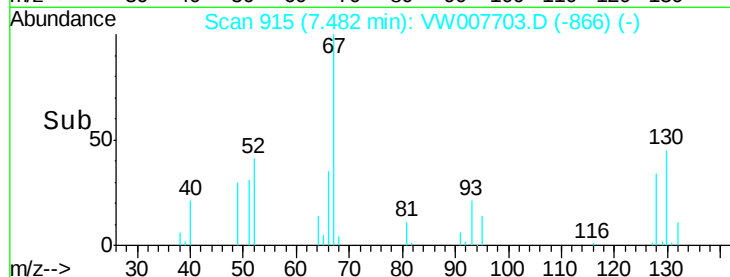
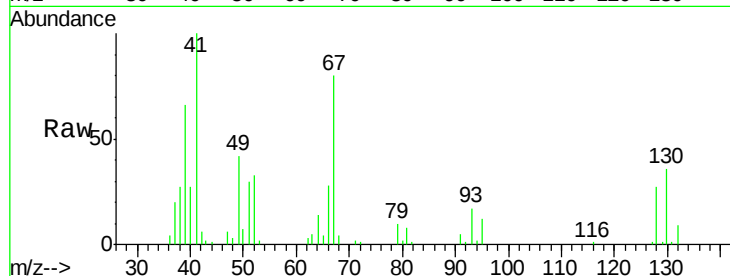




#41
Methacrylonitrile
Concen: 111.674 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

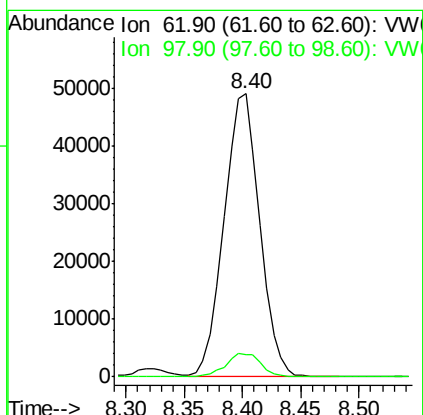
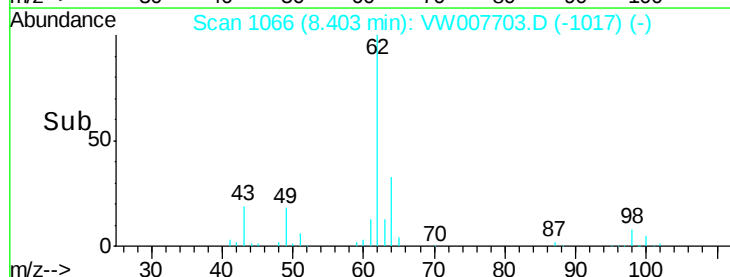
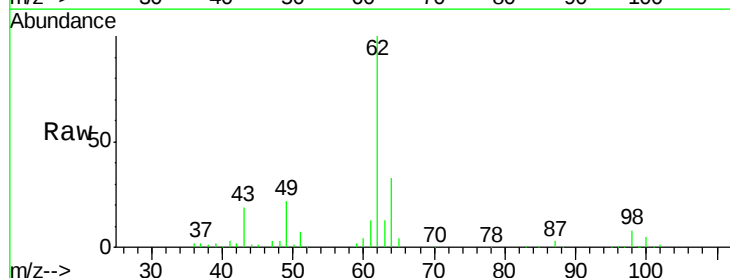
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

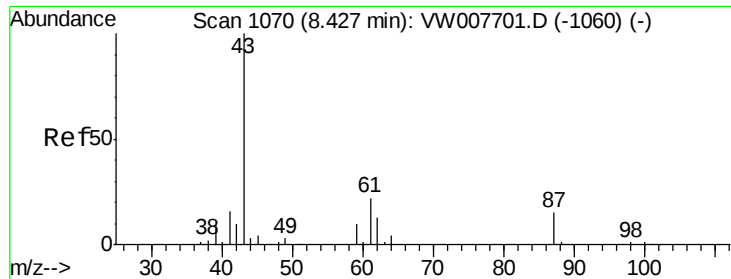
Tgt Ion:	41	Resp:	24363
Ion	Ratio	Lower	Upper
41	100		
39	59.8	54.2	81.4
67	80.3	65.7	98.5
52	35.0	26.2	39.4



#42
1,2-Dichloroethane
Concen: 104.854 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:	62	Resp:	104401
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 107.980 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

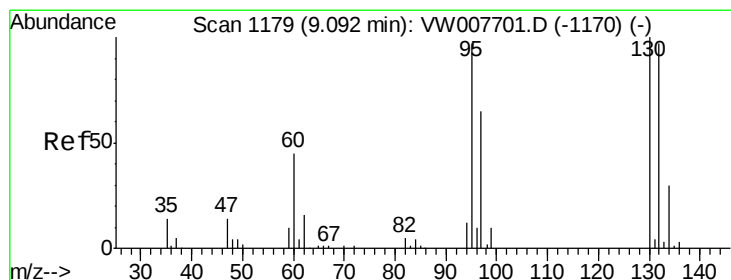
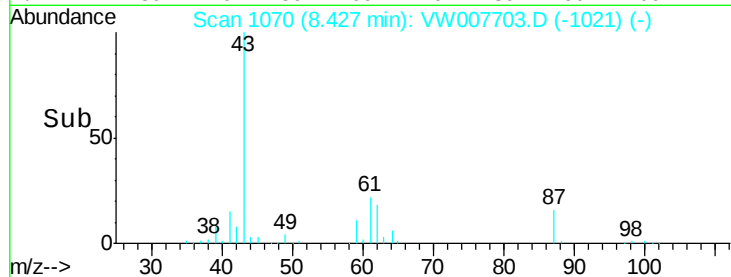
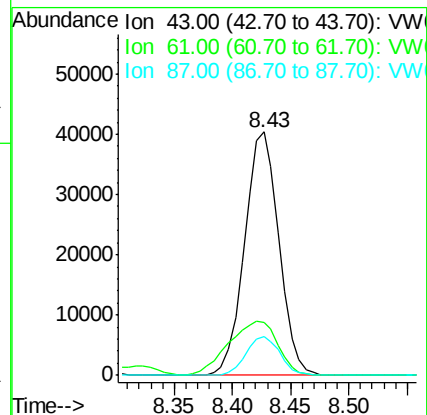
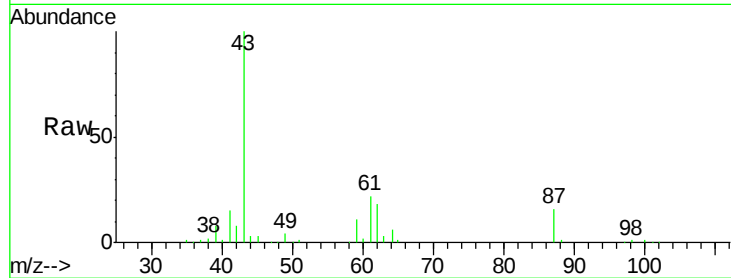
Tgt Ion: 43 Resp: 83127

Ion Ratio Lower Upper

43 100

61 31.9 26.3 39.5

87 15.9 12.0 18.0



#44

Trichloroethene

Concen: 102.331 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007703.D

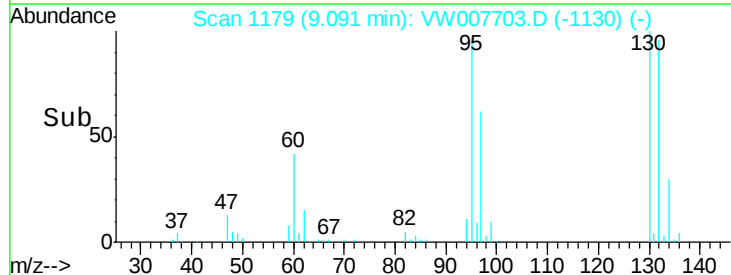
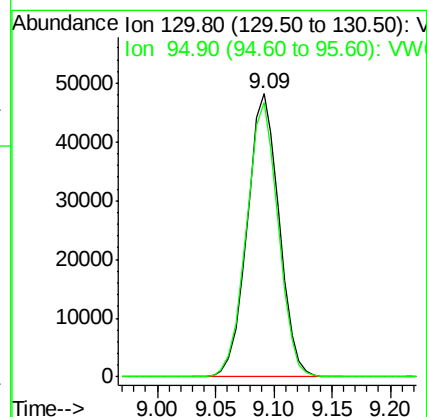
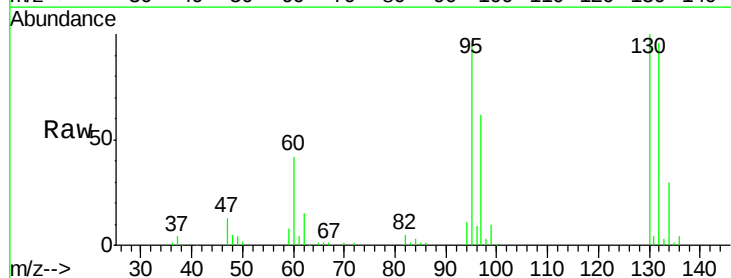
Acq: 19 Dec 2018 15:45

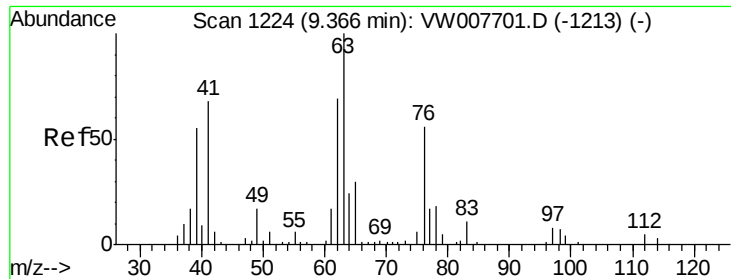
Tgt Ion: 130 Resp: 91945

Ion Ratio Lower Upper

130 100

95 96.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 104.828 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

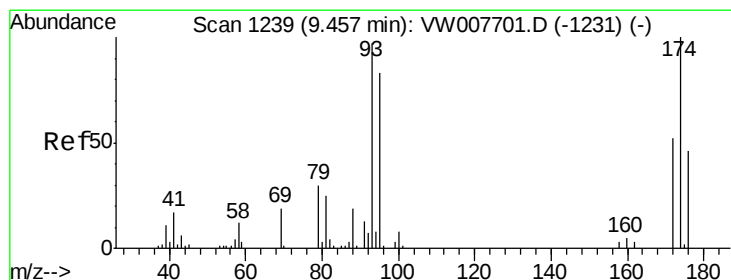
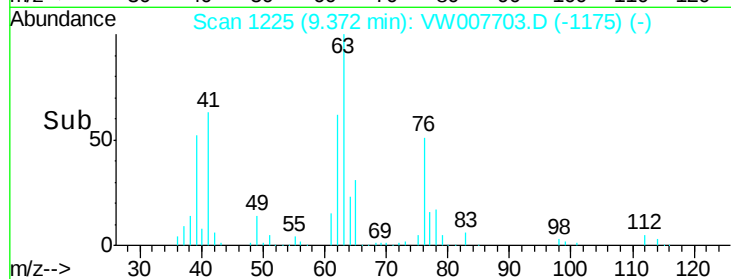
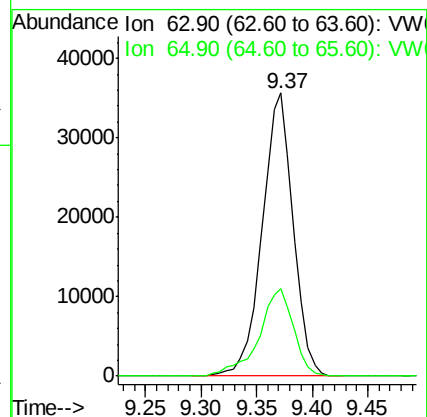
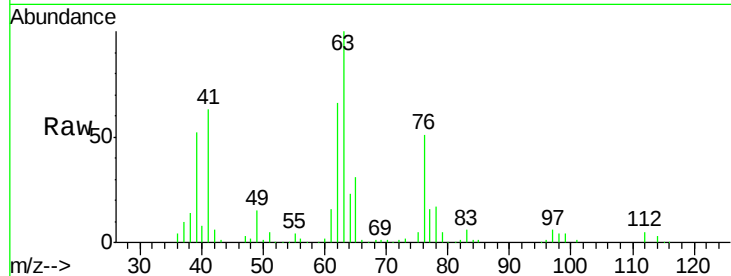
VSTDIC100

Tgt Ion: 63 Resp: 69109

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.8



#46

Dibromomethane

Concen: 104.898 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

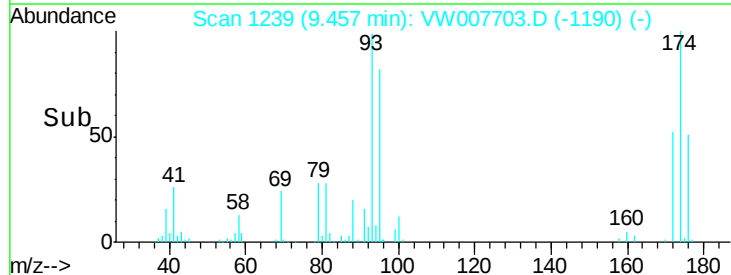
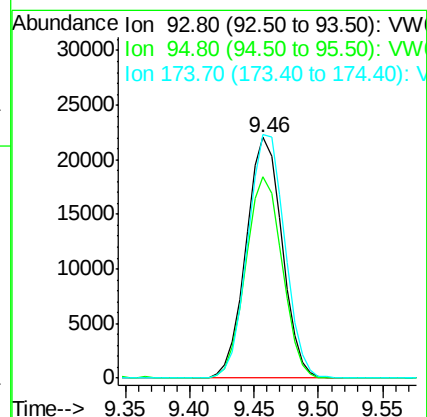
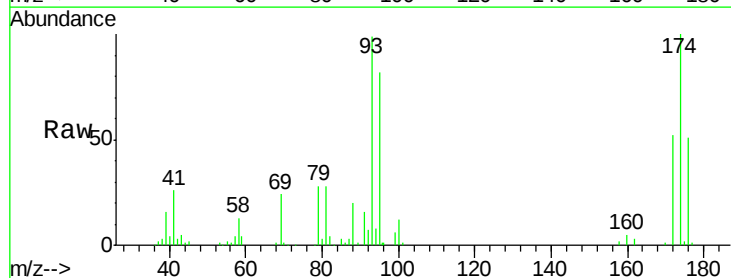
Tgt Ion: 93 Resp: 42570

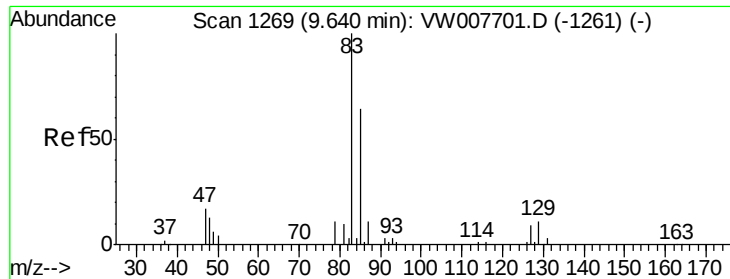
Ion Ratio Lower Upper

93 100

95 84.6 67.5 101.3

174 103.7 83.9 125.9

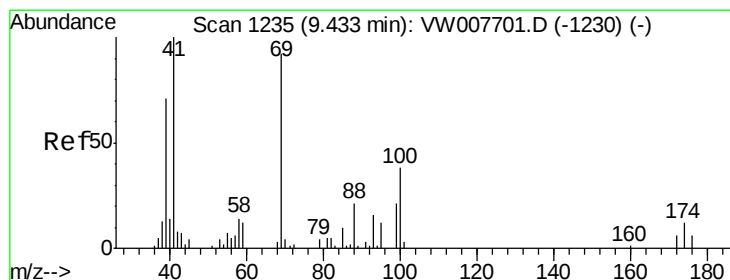
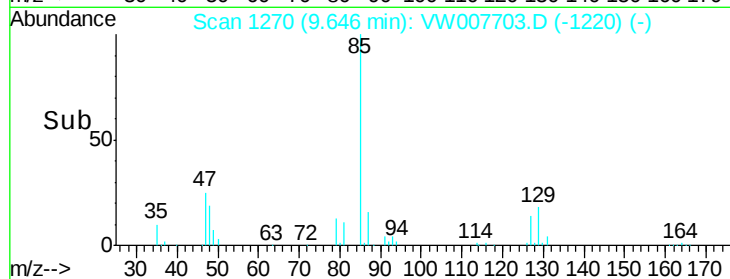
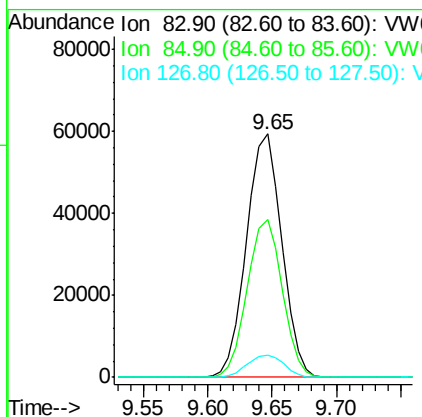
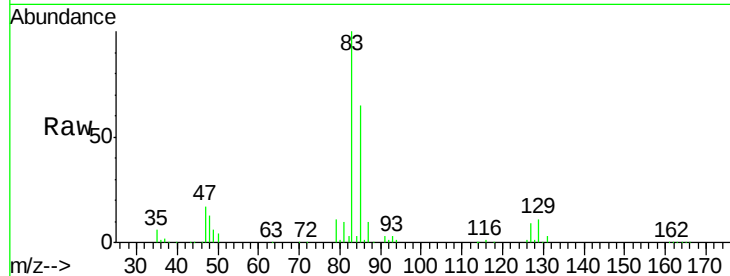




#47
 Bromodichloromethane
 Concen: 105.569 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

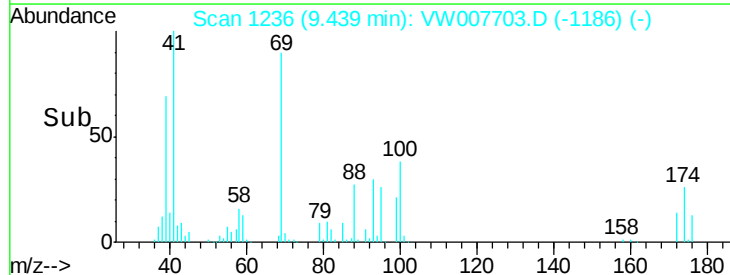
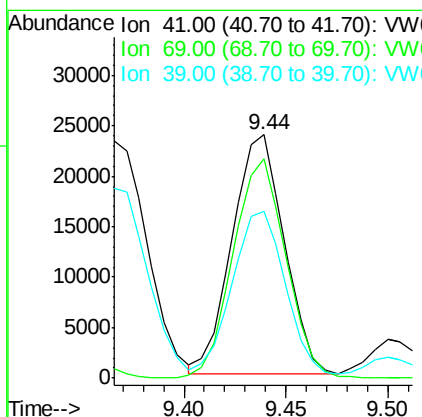
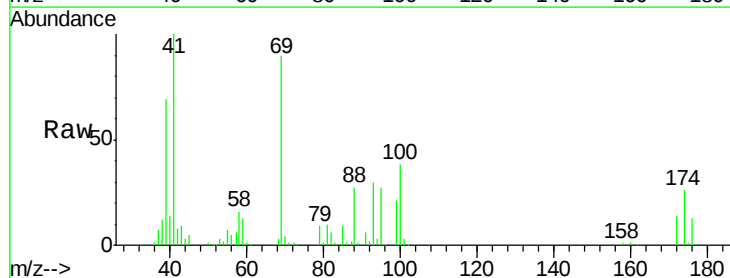
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

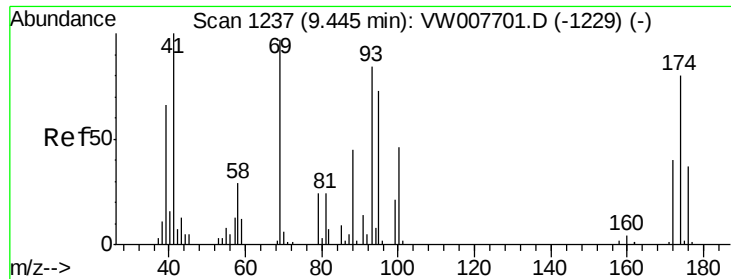
Tgt Ion: 83 Resp: 112630
 Ion Ratio Lower Upper
 83 100
 85 65.0 51.4 77.0
 127 9.4 7.5 11.3



#48
 Methyl methacrylate
 Concen: 109.008 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 41 Resp: 41888
 Ion Ratio Lower Upper
 41 100
 69 93.4 74.2 111.2
 39 73.1 53.9 80.9





#49

1,4-Dioxane

Concen: 2182.570 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

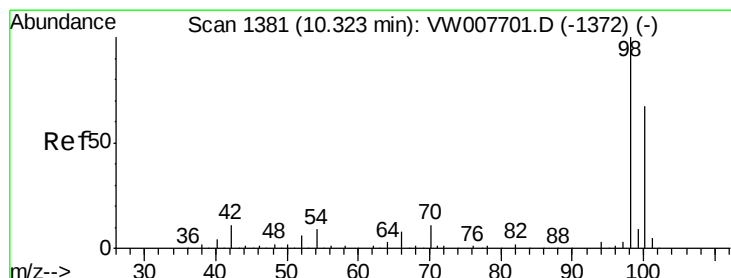
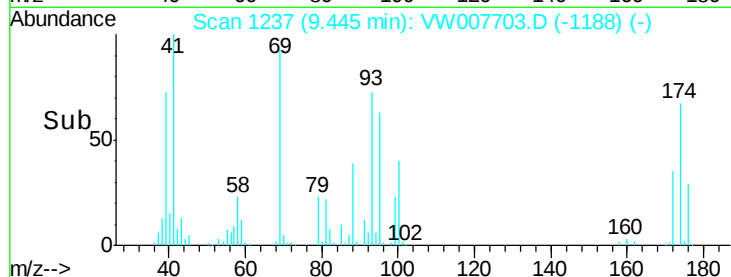
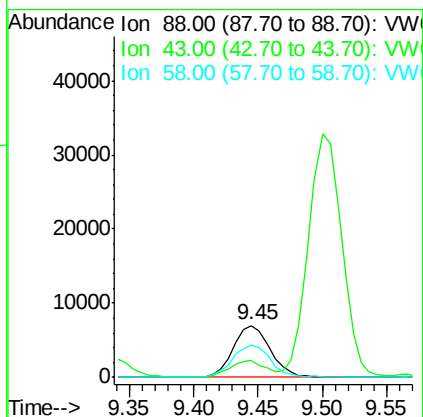
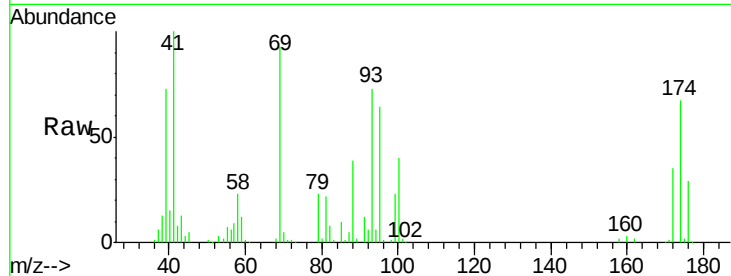
Tgt Ion: 88 Resp: 14043

Ion Ratio Lower Upper

88 100

43 31.7 25.6 38.4

58 64.5 52.3 78.5



#50

Toluene-d8

Concen: 103.959 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007703.D

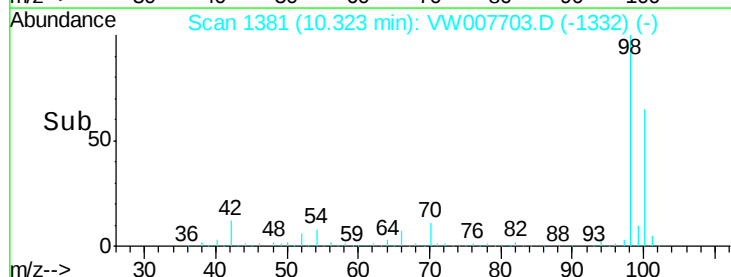
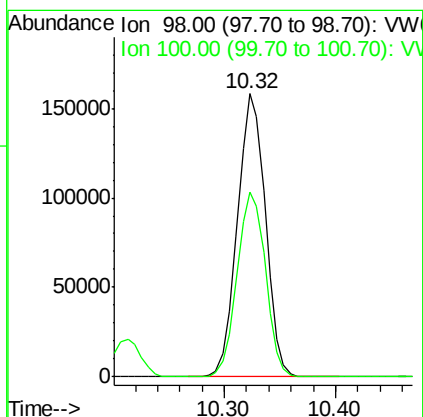
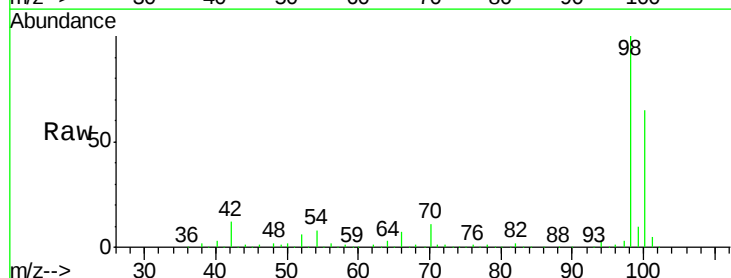
Acq: 19 Dec 2018 15:45

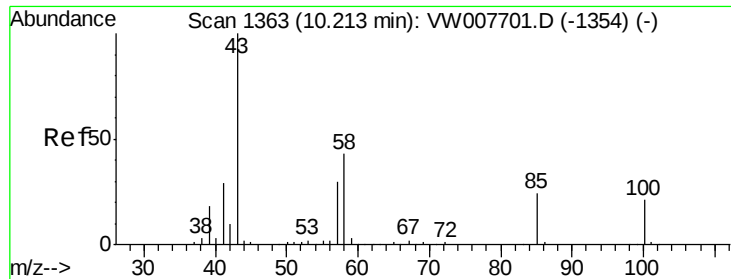
Tgt Ion: 98 Resp: 275804

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2

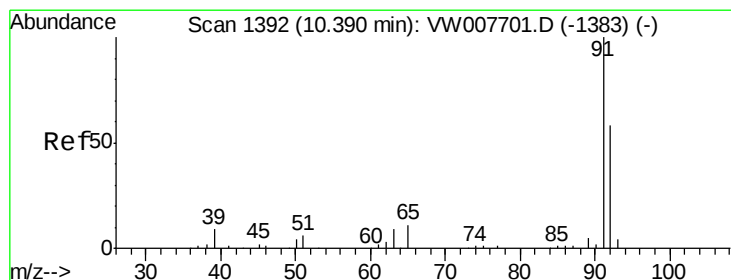
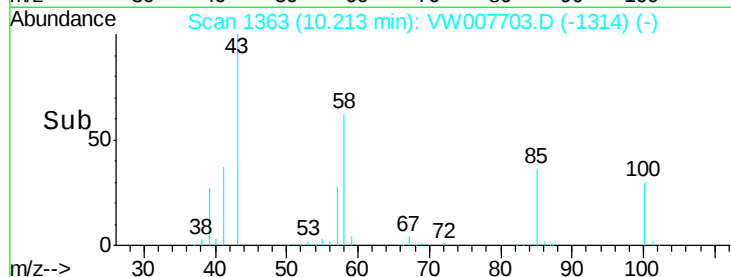
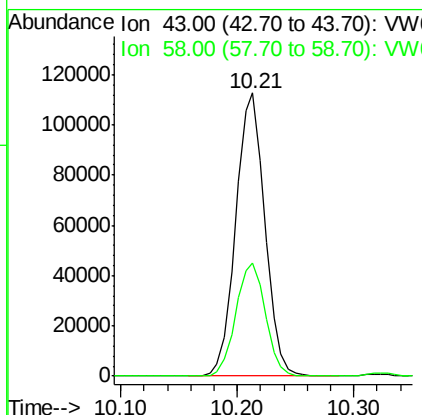
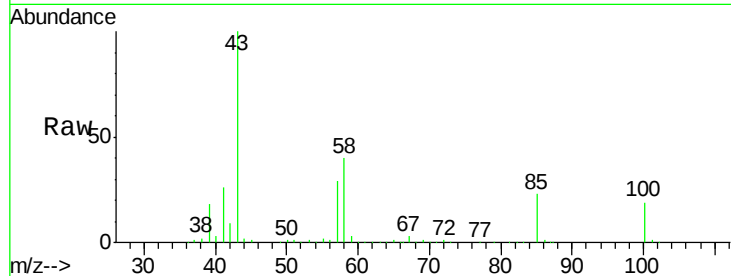




#51
4-Methyl-2-Pentanone
Concen: 537.645 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

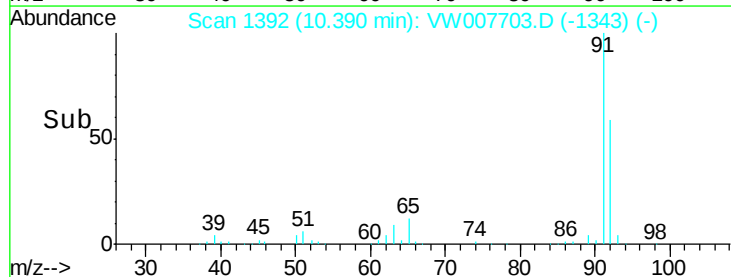
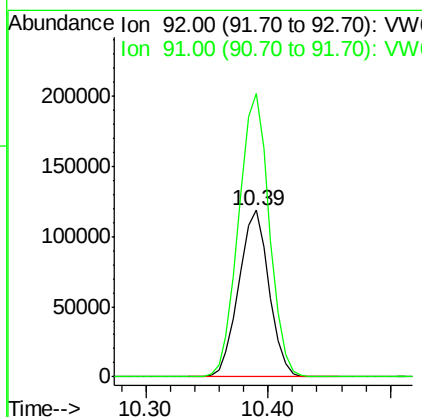
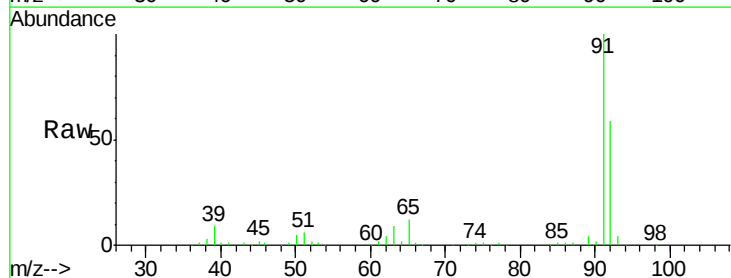
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 195607
Ion Ratio Lower Upper
43 100
58 40.6 33.2 49.8



#52
Toluene
Concen: 101.907 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 92 Resp: 203144
Ion Ratio Lower Upper
92 100
91 172.2 137.0 205.4

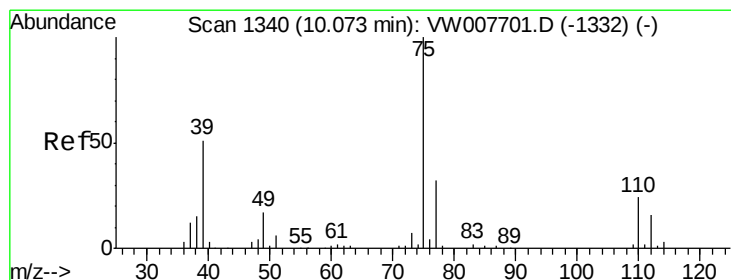
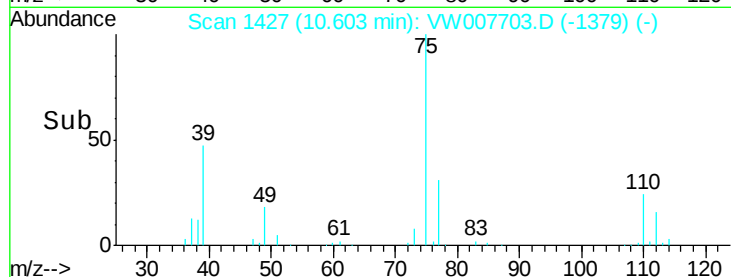
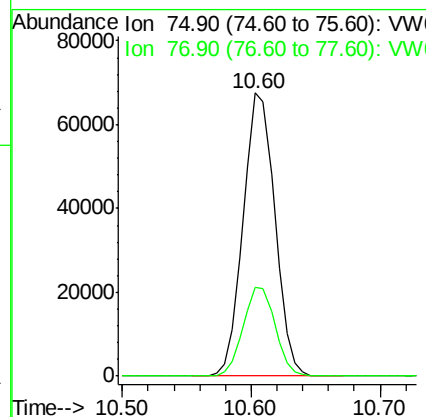
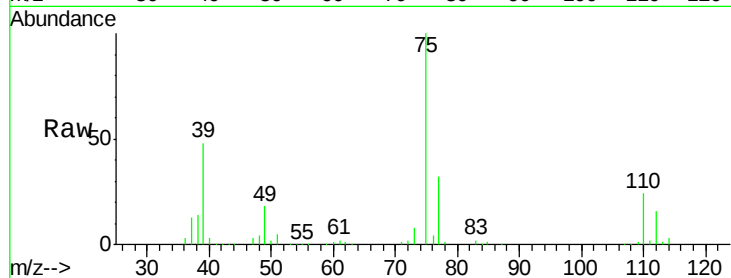




#53
 t-1,3-Dichloropropene
 Concen: 108.438 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

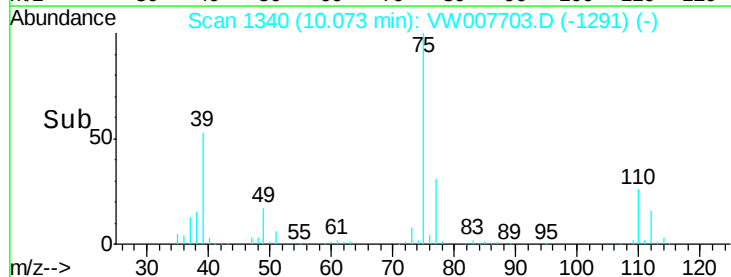
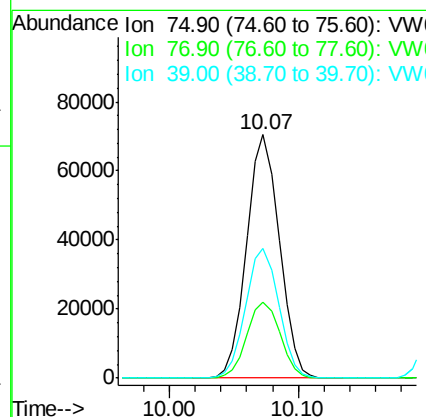
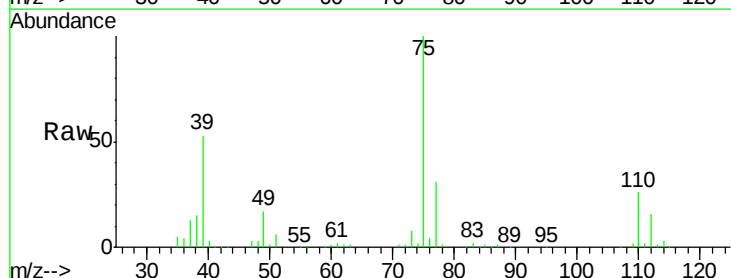
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

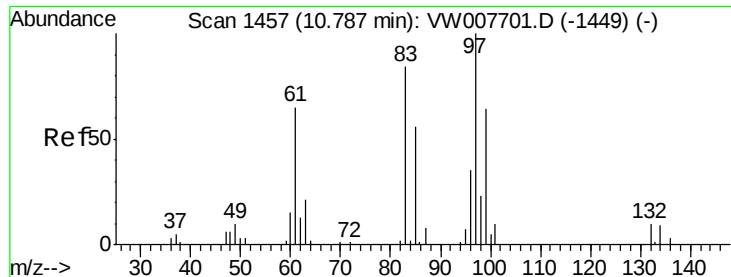
Tgt Ion: 75 Resp: 115073
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 105.812 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 75 Resp: 124029
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3
 39 53.0 41.2 61.8

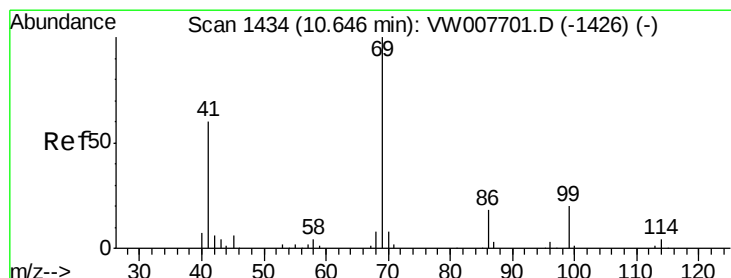
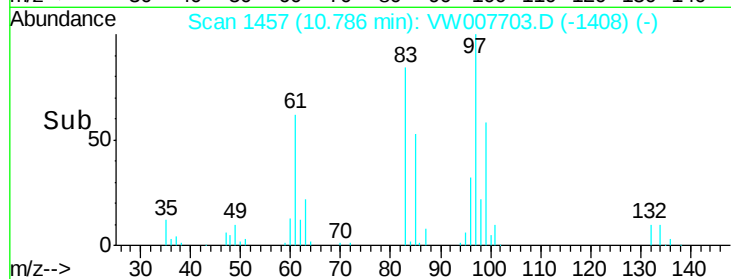
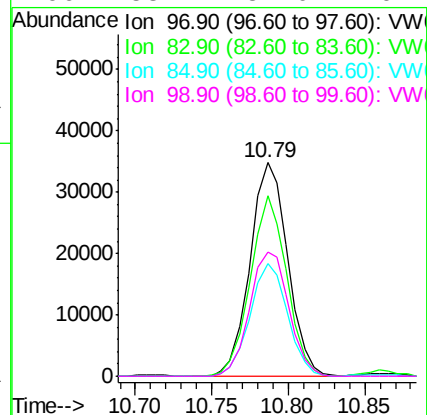
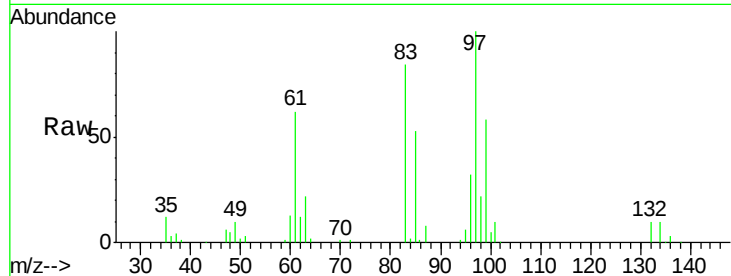




#55
 1,1,2-Trichloroethane
 Concen: 106.463 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

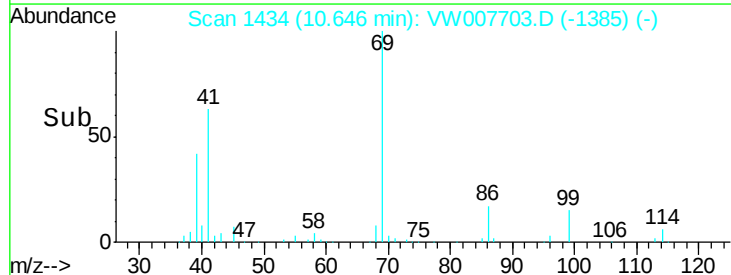
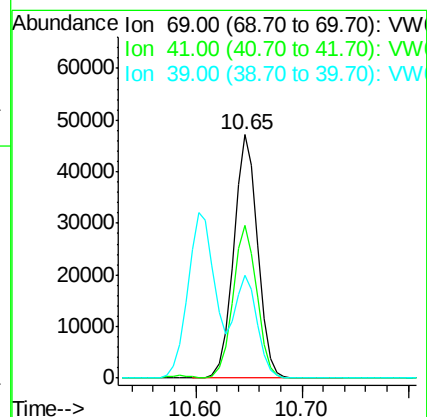
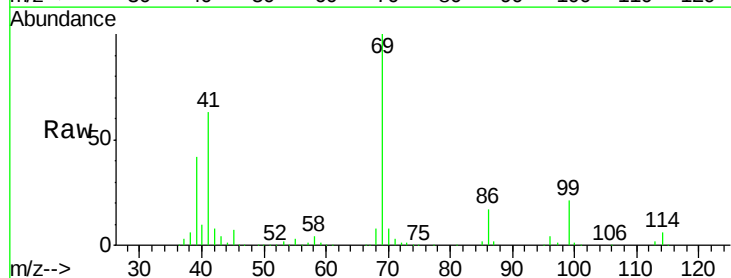
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

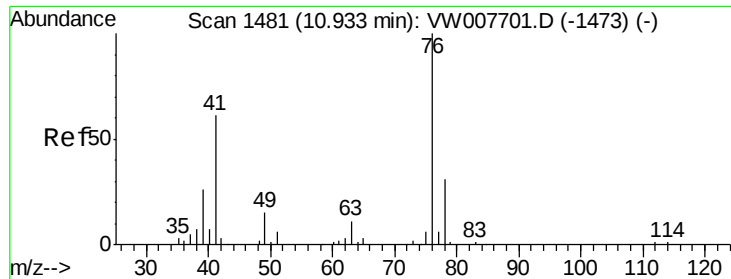
Tgt Ion:	97	Resp:	59562
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.5	101.3
85	52.5	44.8	67.2
99	58.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 111.988 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:	69	Resp:	74025
Ion	Ratio	Lower	Upper
69	100		
41	62.9	48.9	73.3
39	40.5	31.3	46.9

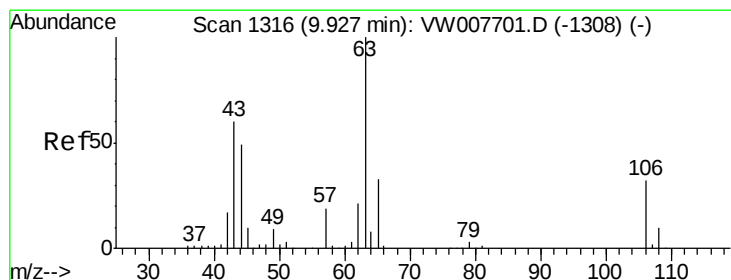
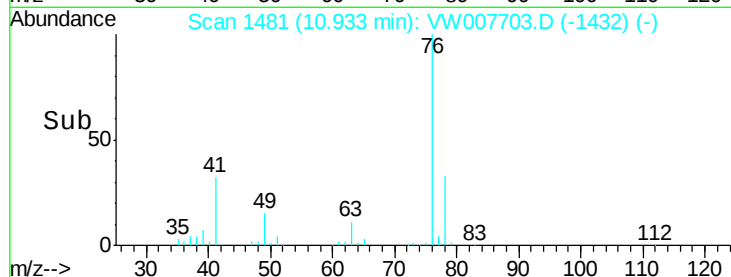
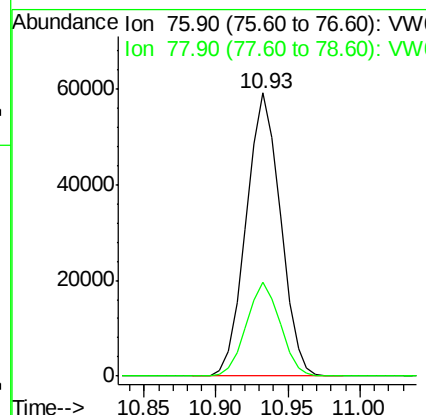
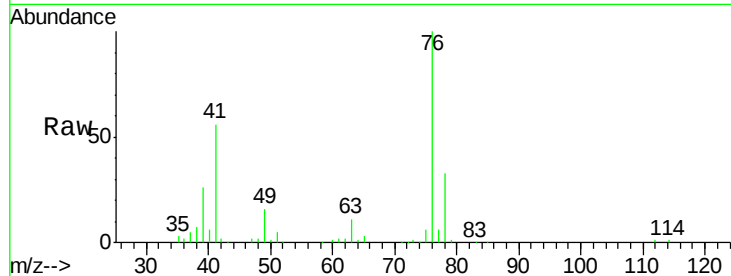




#57
 1,3-Dichloropropane
 Concen: 104.916 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

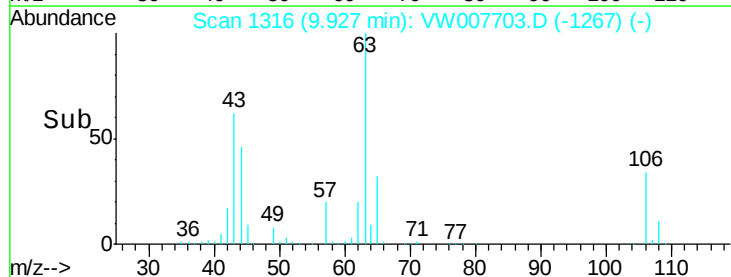
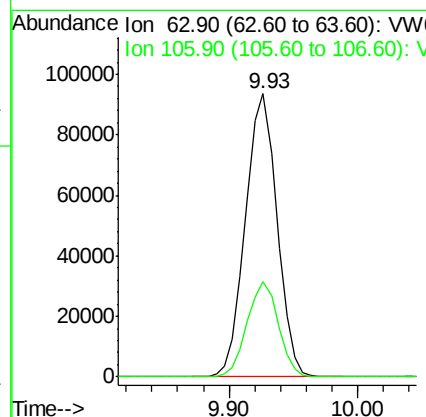
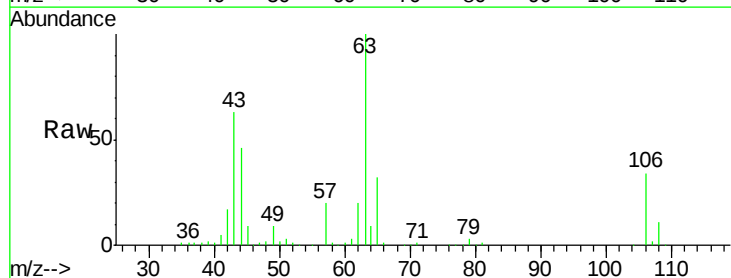
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

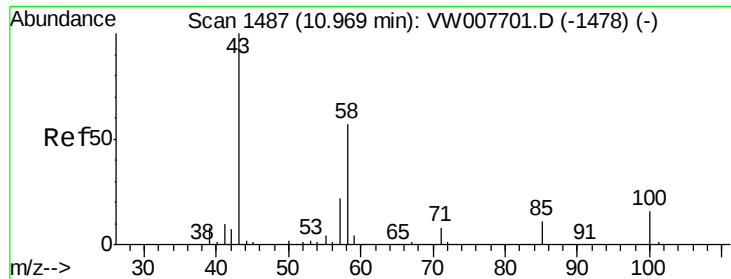
Tgt Ion: 76 Resp: 97469
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 524.935 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 63 Resp: 158425
 Ion Ratio Lower Upper
 63 100
 106 33.2 25.9 38.9

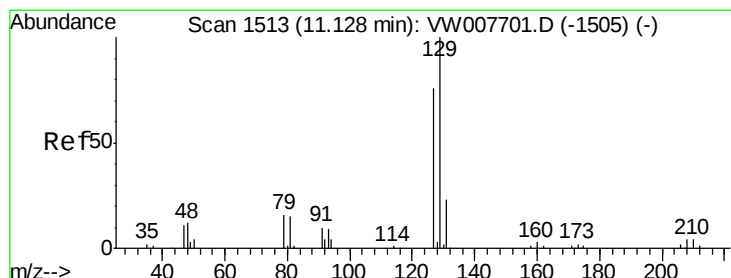
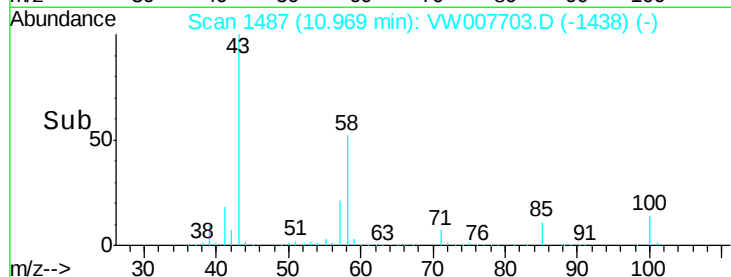
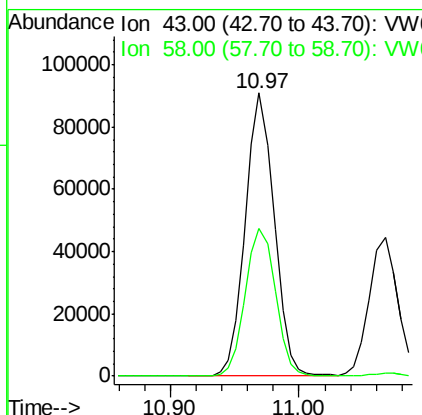
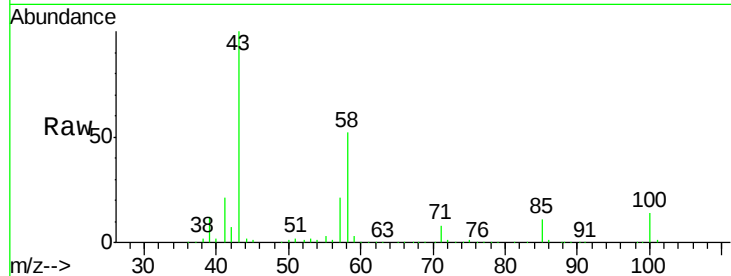




#59
2-Hexanone
Concen: 551.275 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

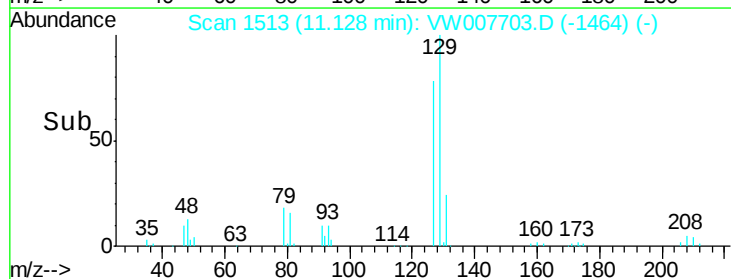
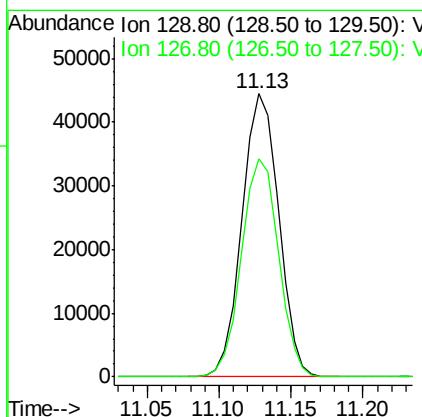
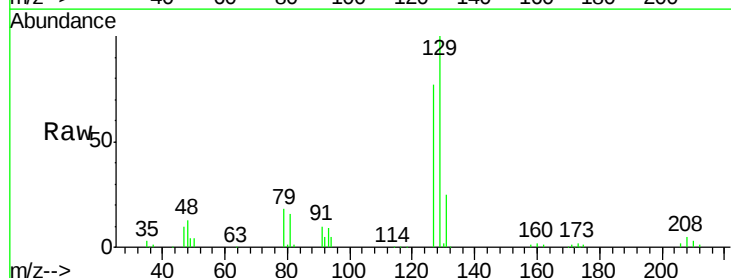
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 141052
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1



#60
Dibromochloromethane
Concen: 106.167 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 129 Resp: 78645
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9

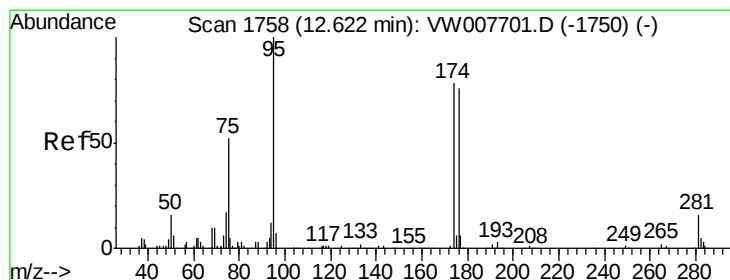
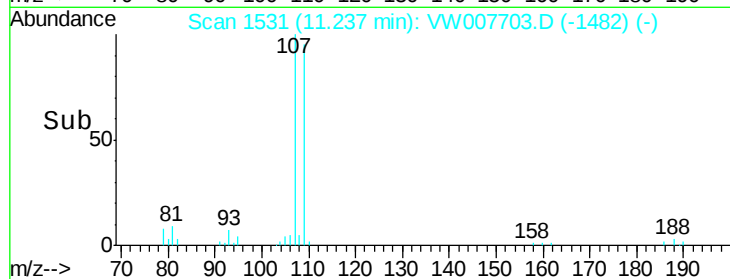
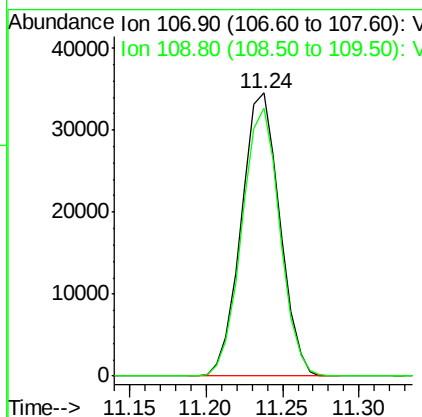
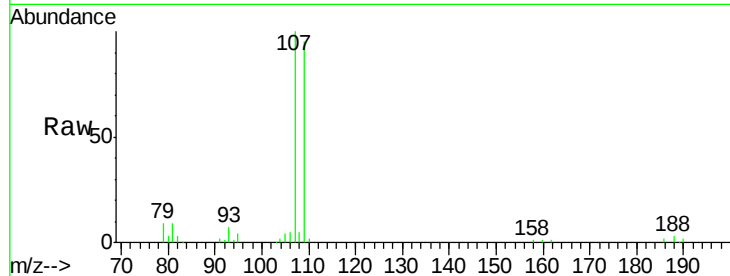




#61
 1,2-Dibromoethane
 Concen: 106.451 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

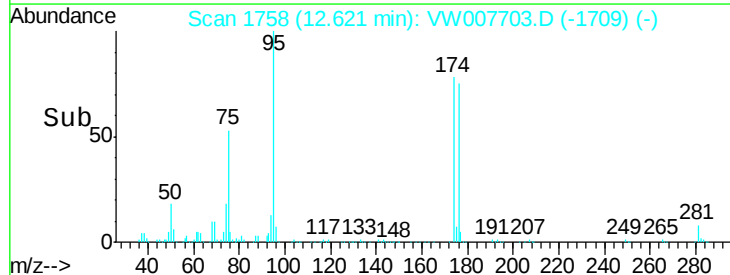
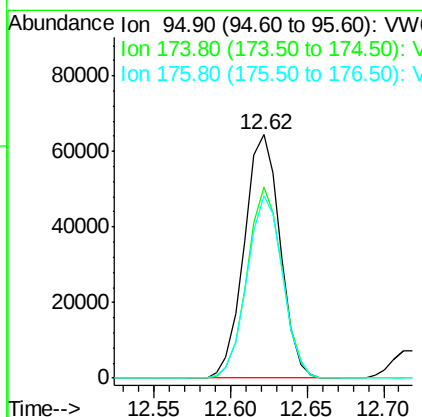
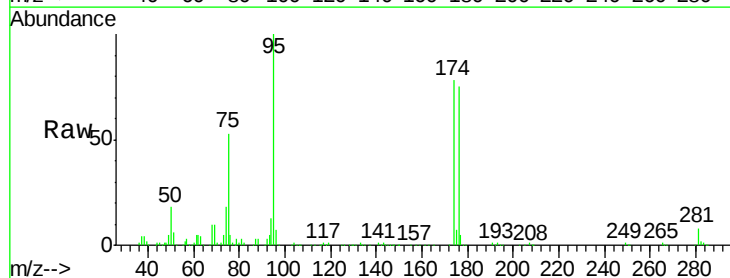
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

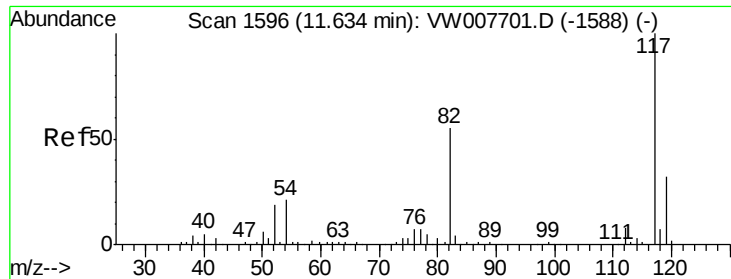
Tgt Ion: 107 Resp: 60310
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 102.655 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 95 Resp: 105213
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 152.2
 176 74.6 0.0 146.8

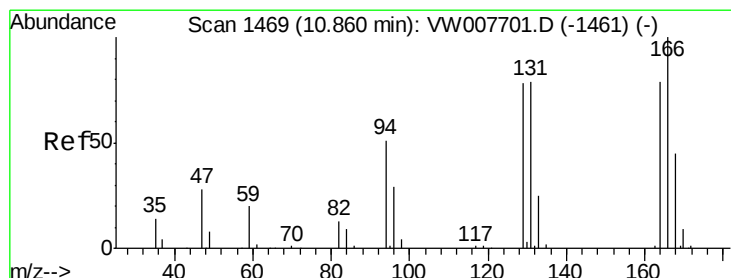
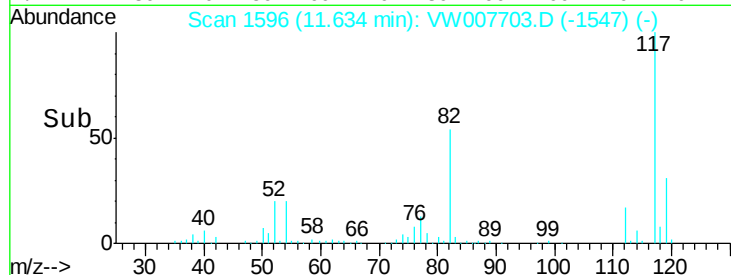
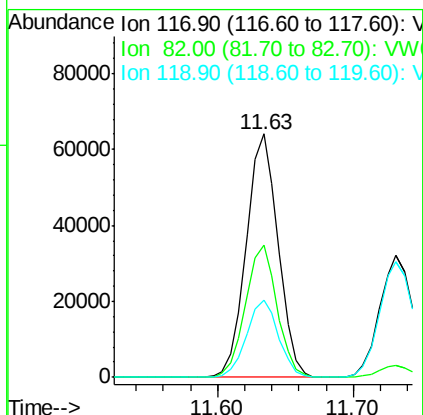
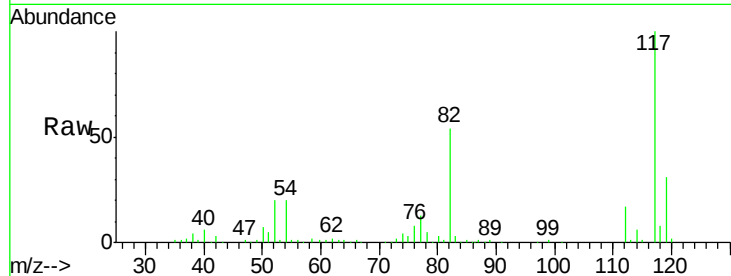




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

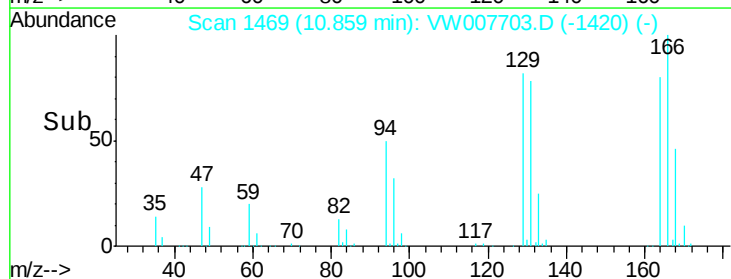
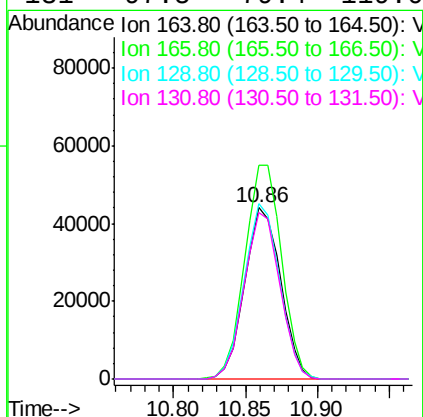
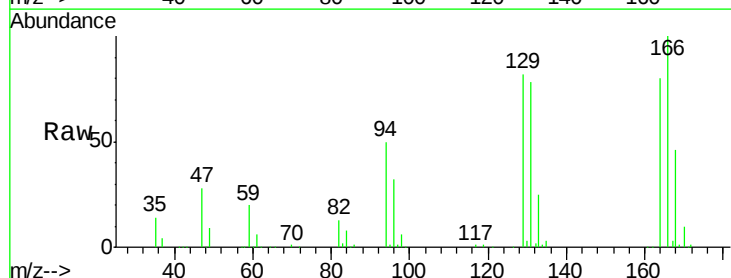
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

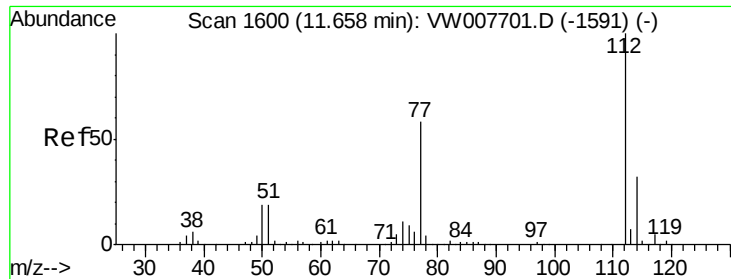
Tgt Ion:117 Resp: 105264
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 102.070 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:164 Resp: 76083
Ion Ratio Lower Upper
164 100
166 124.7 101.0 151.6
129 102.1 78.7 118.1
131 97.5 79.4 119.0

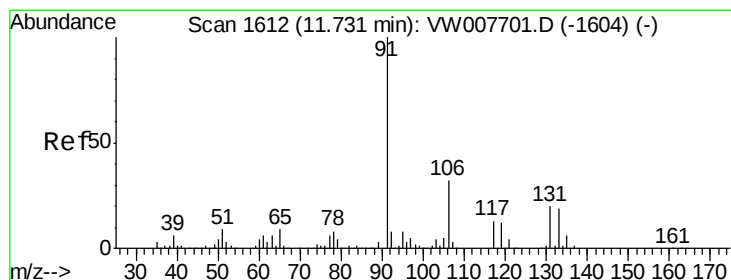
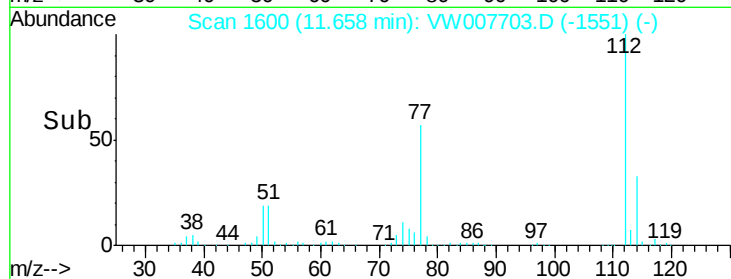
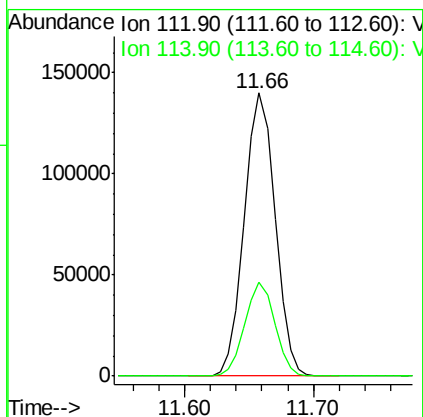
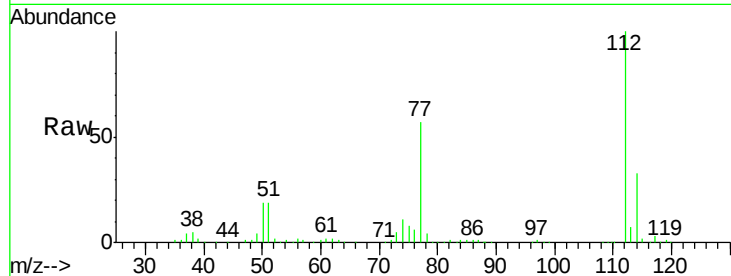




#65
Chlorobenzene
Concen: 101.641 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

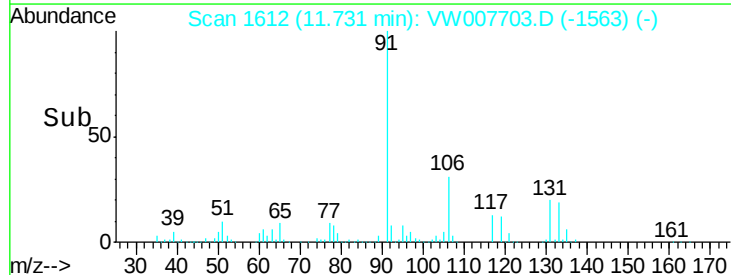
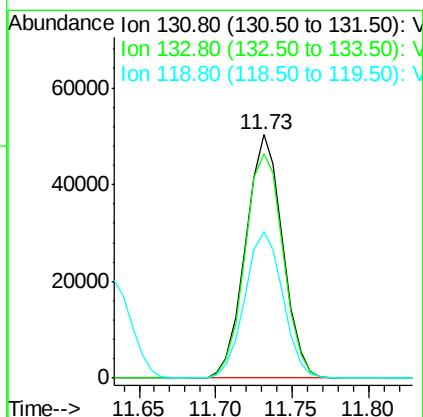
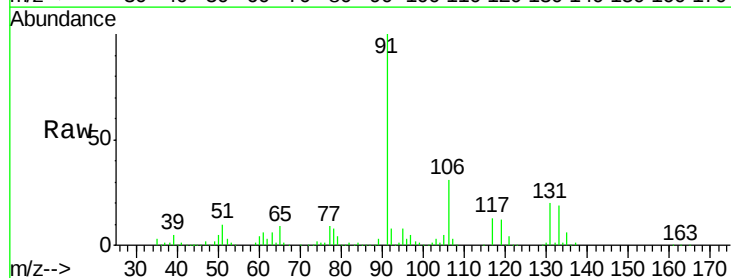
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

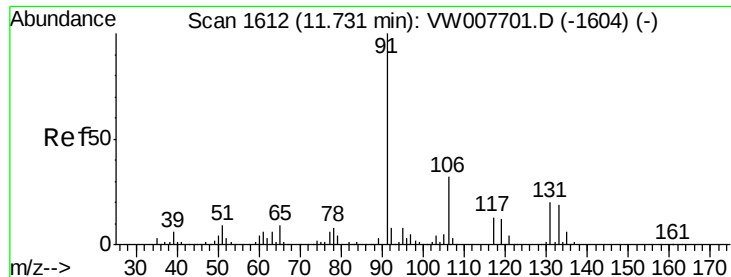
Tgt Ion:112 Resp: 231575
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 103.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:131 Resp: 84540
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 61.7 30.2 90.6

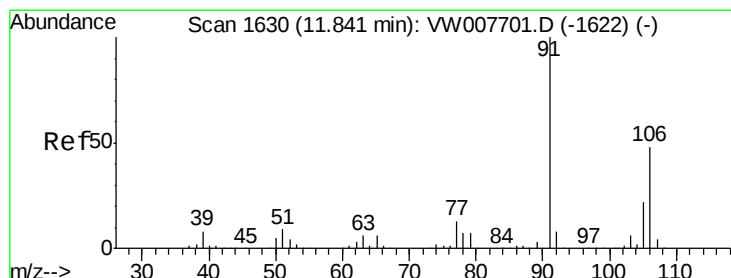
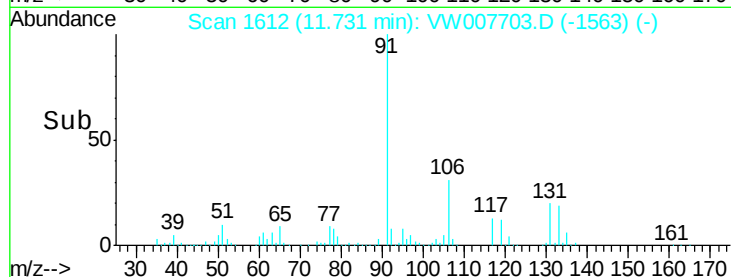
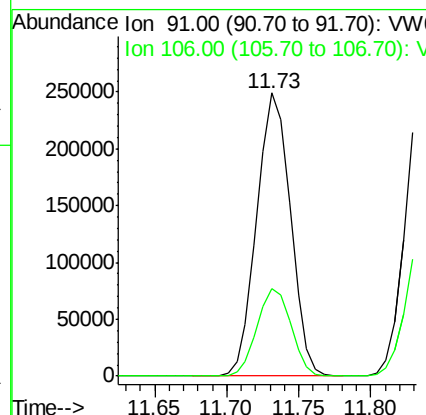
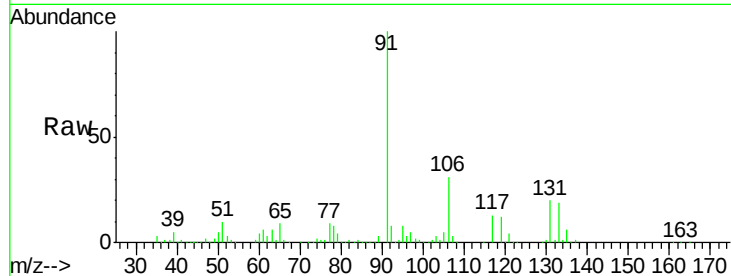




#67
Ethyl Benzene
Concen: 103.289 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

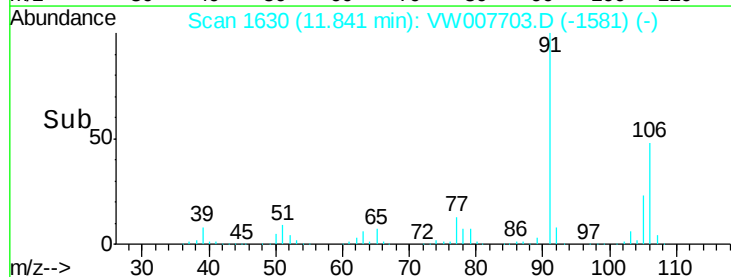
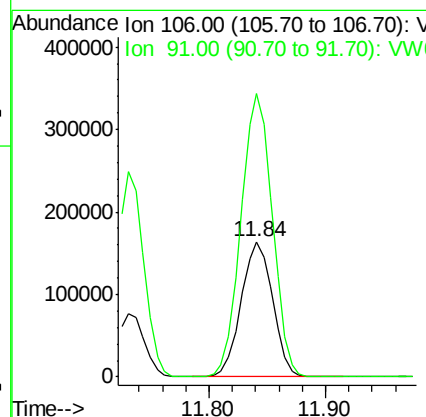
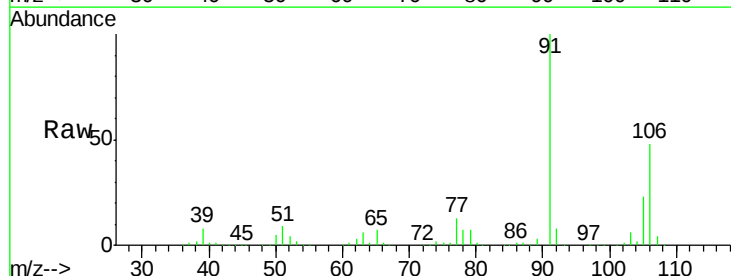
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

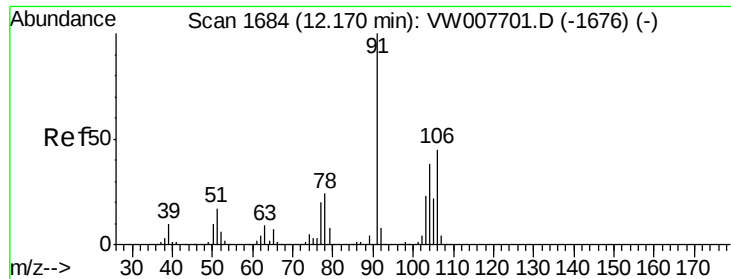
Tgt Ion: 91 Resp: 403824
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8



#68
m/p-Xylenes
Concen: 203.728 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 106 Resp: 308976
Ion Ratio Lower Upper
106 100
91 208.9 165.2 247.8

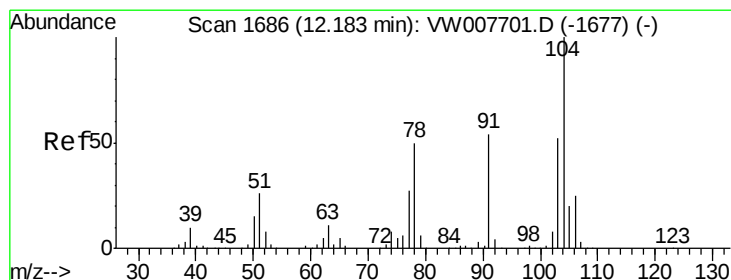
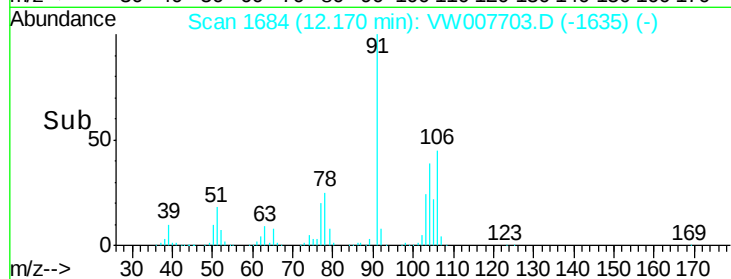
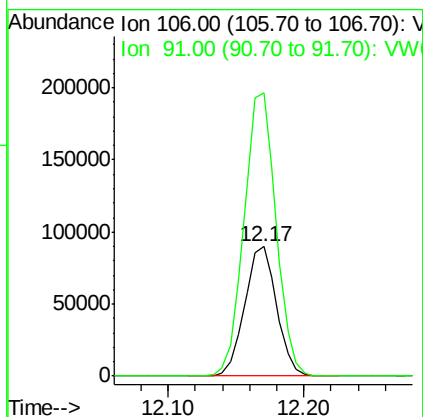
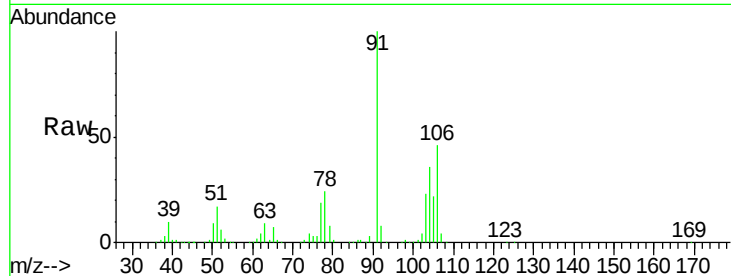




#69
o-Xylene
Concen: 103.506 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

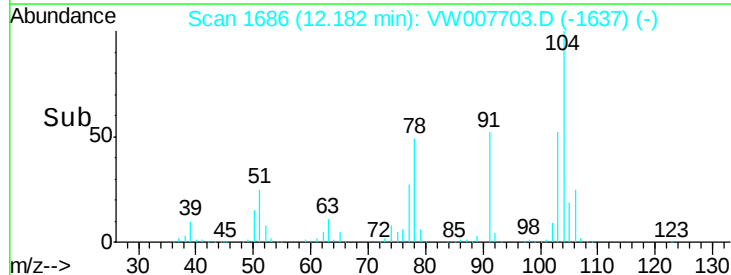
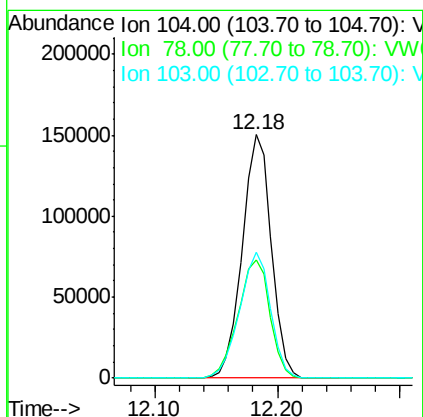
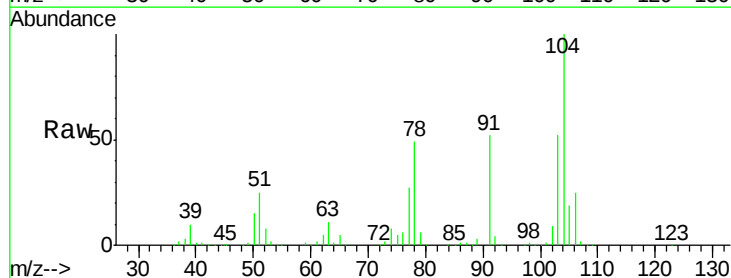
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

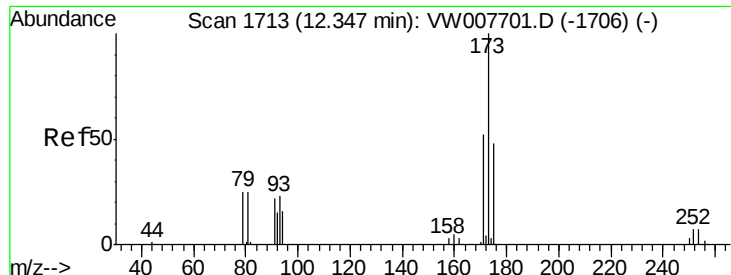
Tgt Ion:106 Resp: 147148
Ion Ratio Lower Upper
106 100
91 220.0 110.5 331.4



#70
Styrene
Concen: 105.884 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:104 Resp: 247437
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.1 44.5 66.7





#71

Bromoform

Concen: 109.551 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

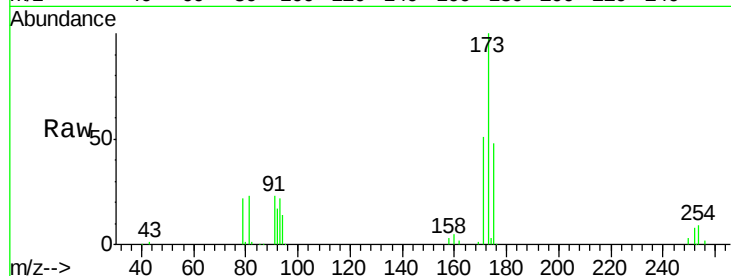
Tgt Ion:173 Resp: 46298

Ion Ratio Lower Upper

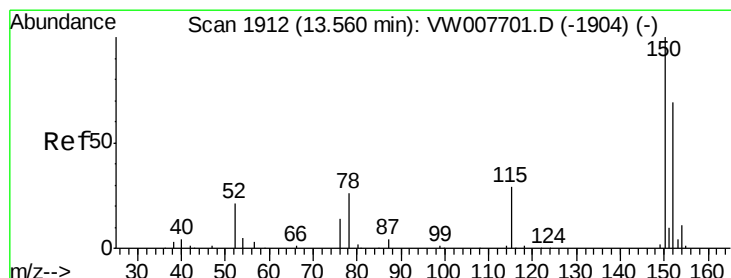
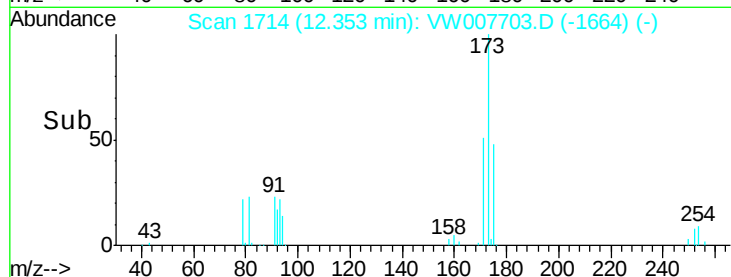
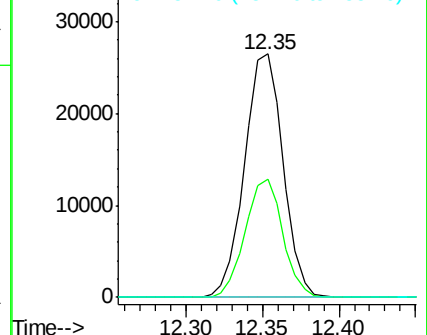
173 100

175 47.4 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: VW007703.D

Acq: 19 Dec 2018 15:45

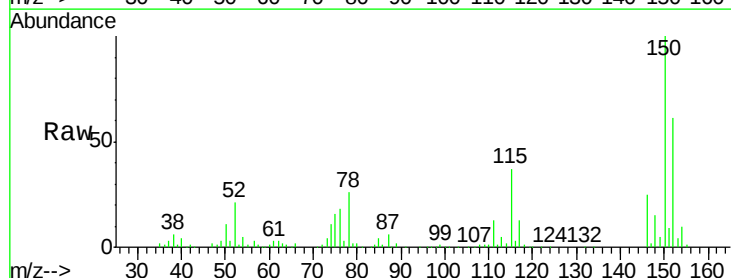
Tgt Ion:152 Resp: 52652

Ion Ratio Lower Upper

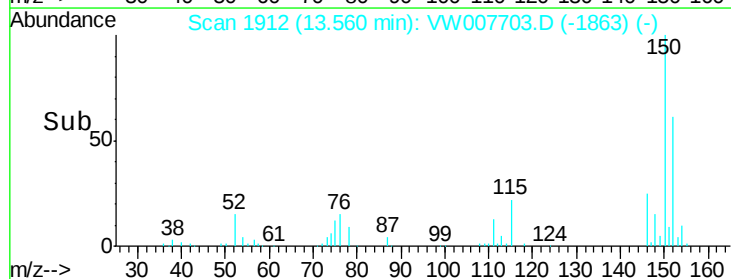
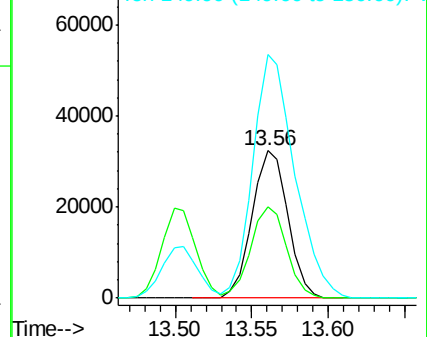
152 100

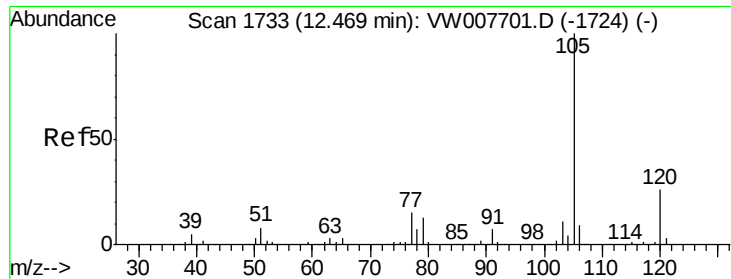
115 62.1 31.8 95.4

150 192.9 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: 105.503 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

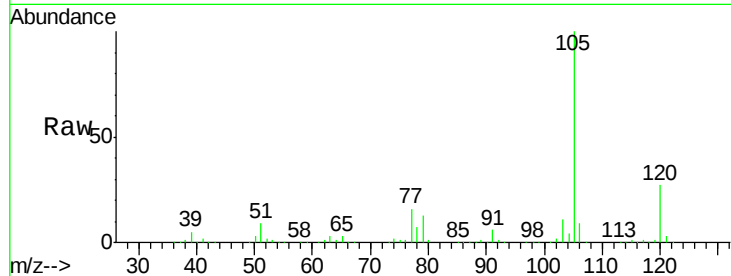
VSTDIC100

Tgt Ion:105 Resp: 419893

Ion Ratio Lower Upper

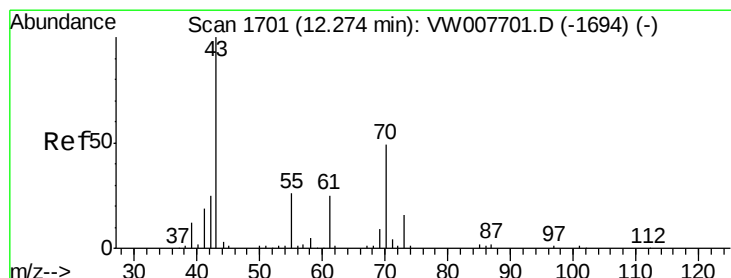
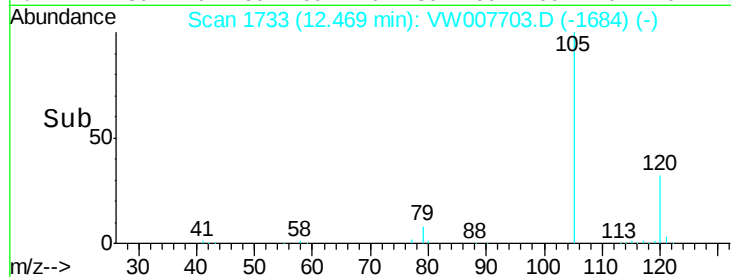
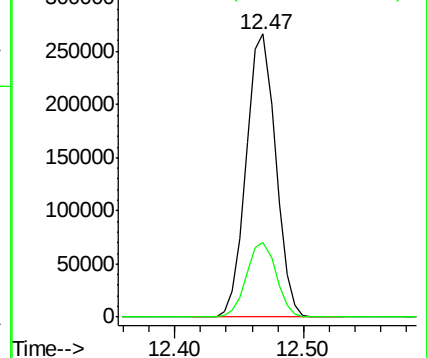
105 100

120 26.4 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: 111.575 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion: 43 Resp: 76917

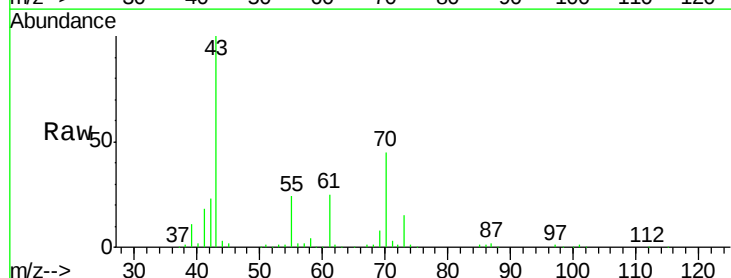
Ion Ratio Lower Upper

43 100

70 46.0 37.6 56.4

55 25.5 21.7 32.5

61 25.4 20.1 30.1

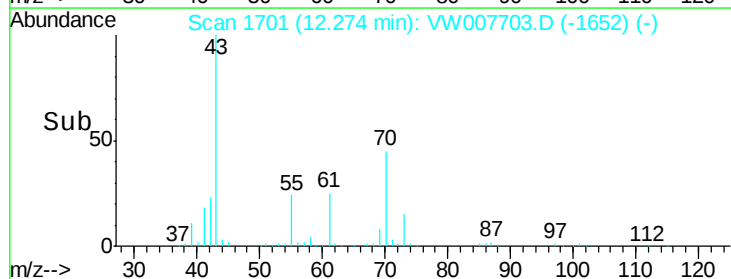
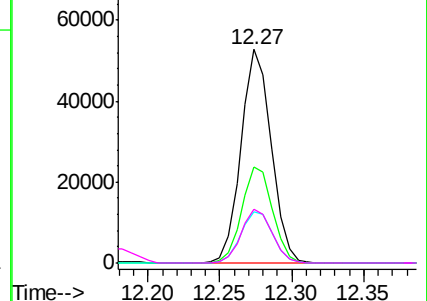


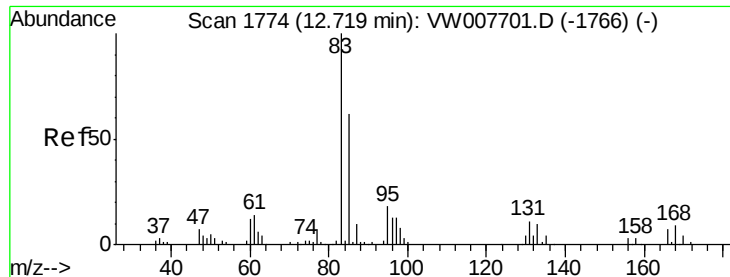
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 106.269 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

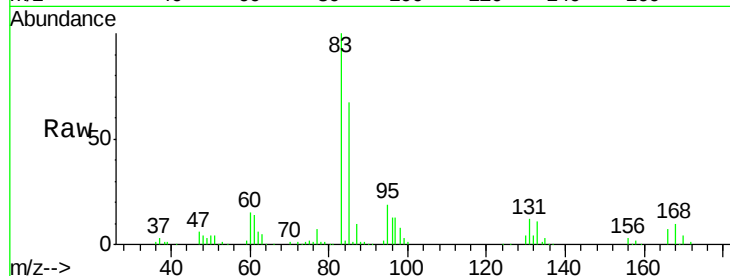
Tgt Ion: 83 Resp: 63413

Ion Ratio Lower Upper

83 100

131 13.2 6.3 18.8

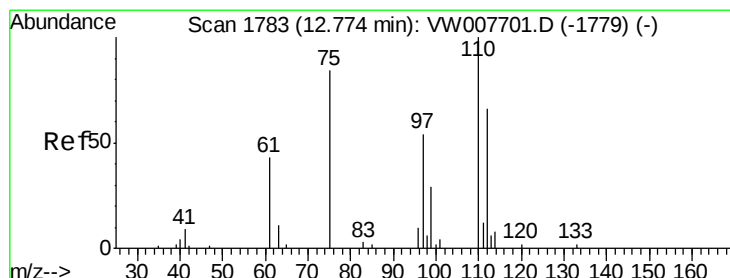
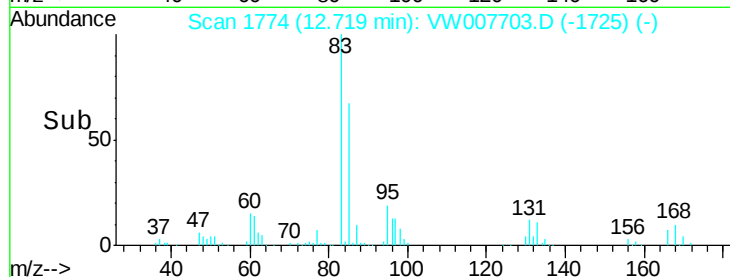
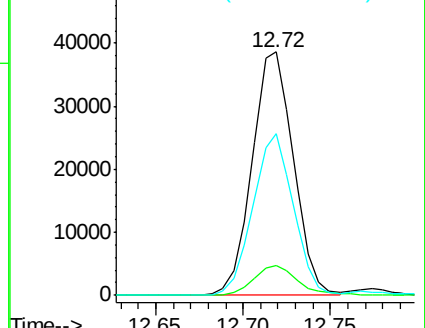
85 65.1 32.3 96.8



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: 114.552 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007703.D

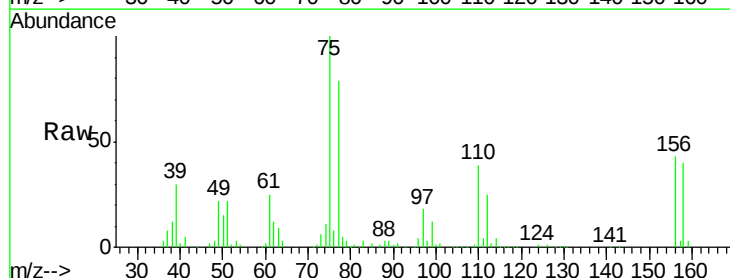
Acq: 19 Dec 2018 15:45

Tgt Ion: 75 Resp: 91306

Ion Ratio Lower Upper

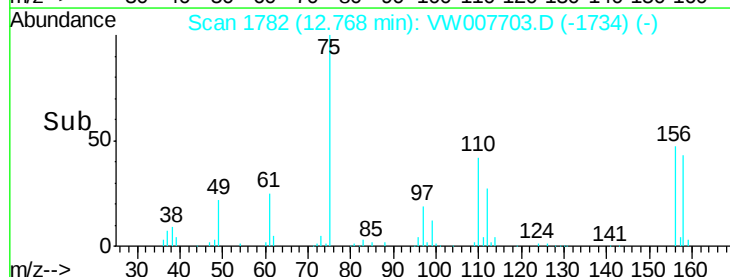
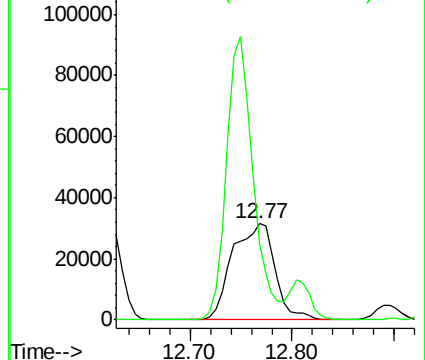
75 100

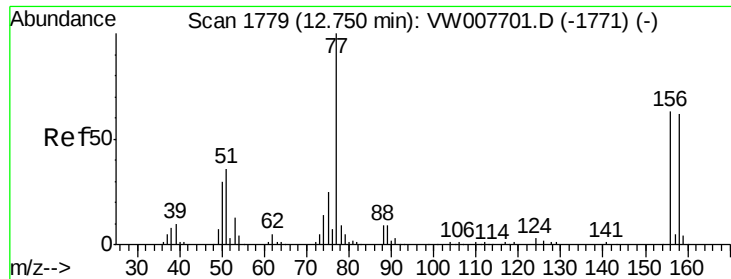
77 182.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 104.136 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

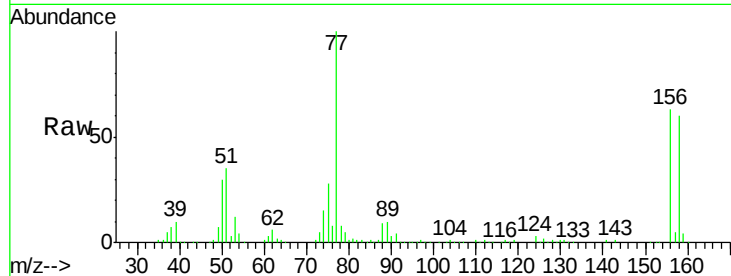
Tgt Ion:156 Resp: 94982

Ion Ratio Lower Upper

156 100

77 175.8 87.4 262.1

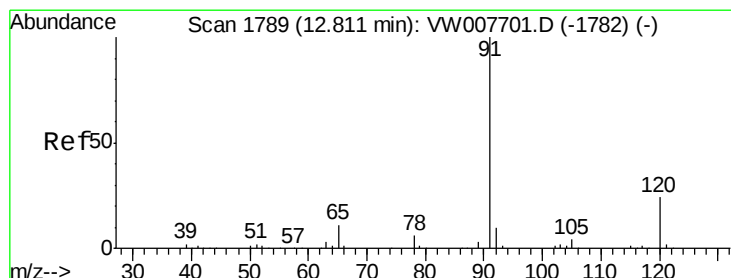
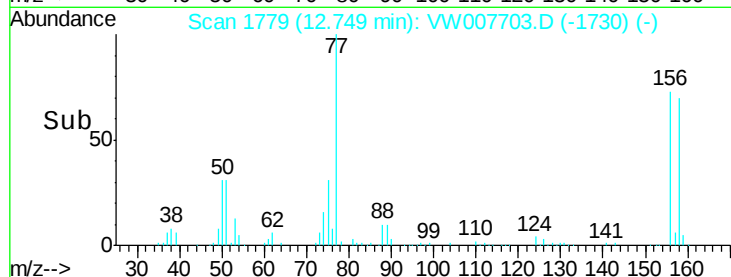
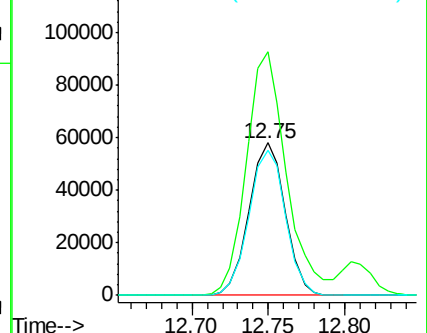
158 96.6 48.4 145.0



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: 104.771 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007703.D

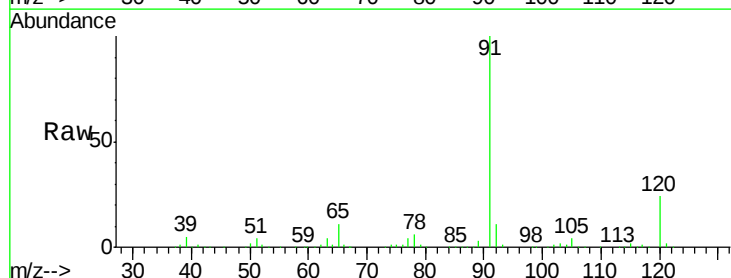
Acq: 19 Dec 2018 15:45

Tgt Ion: 91 Resp: 485388

Ion Ratio Lower Upper

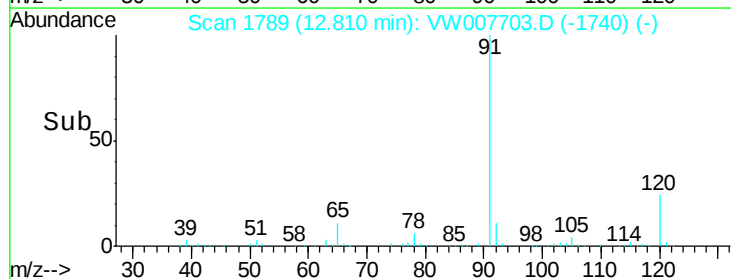
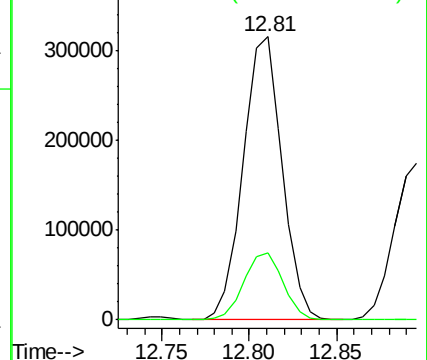
91 100

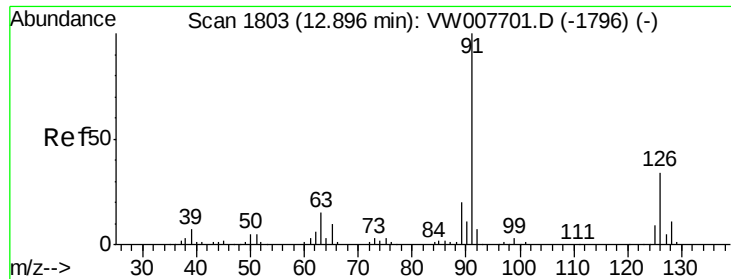
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

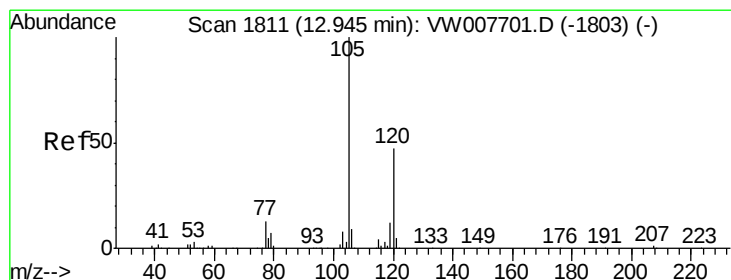
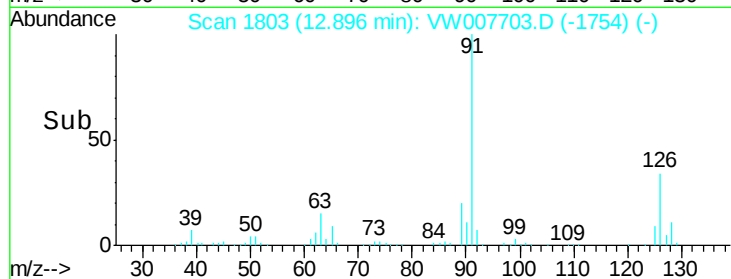
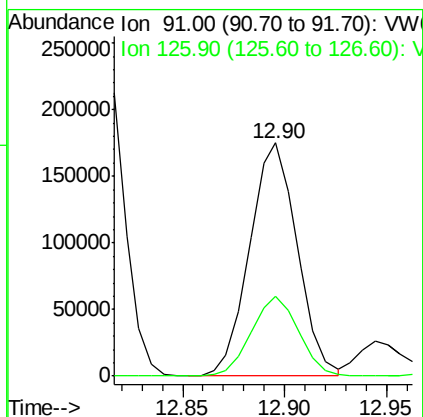
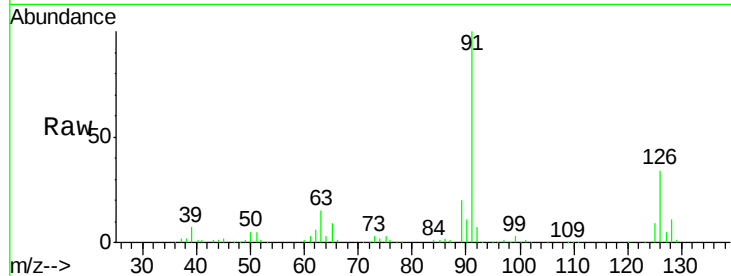




#79
2-Chlorotoluene
Concen: 105.138 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

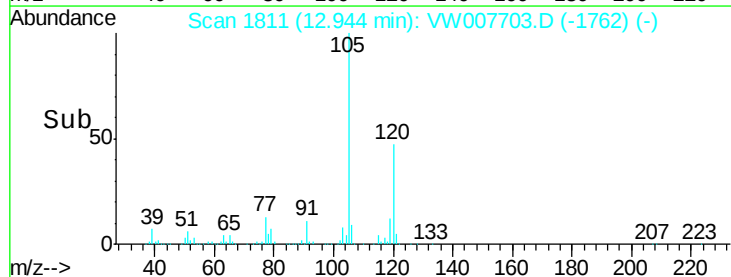
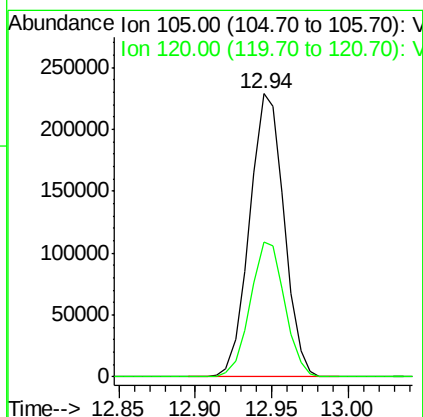
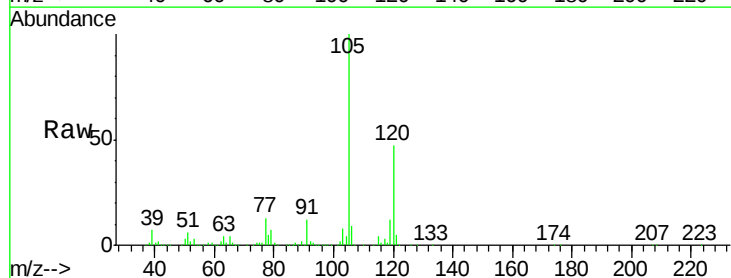
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

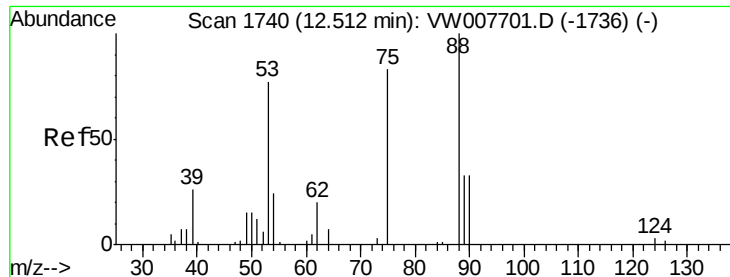
Tgt Ion: 91 Resp: 283753
Ion Ratio Lower Upper
91 100
126 33.9 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 104.524 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 105 Resp: 358825
Ion Ratio Lower Upper
105 100
120 47.4 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 110.867 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

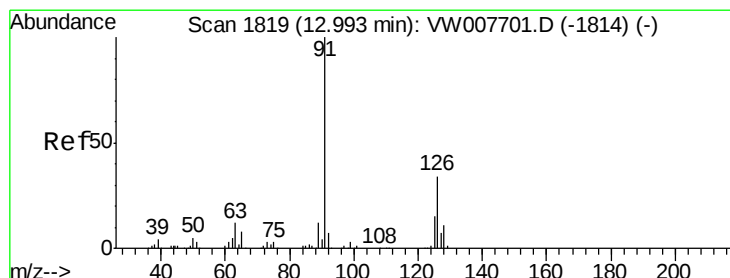
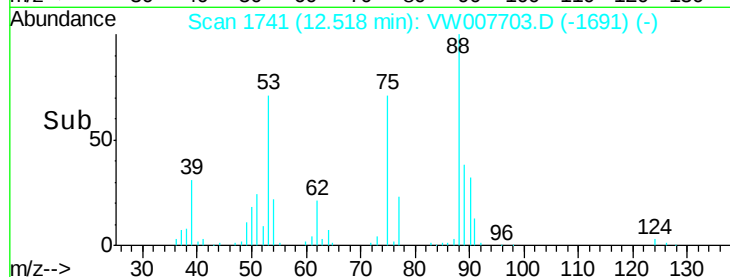
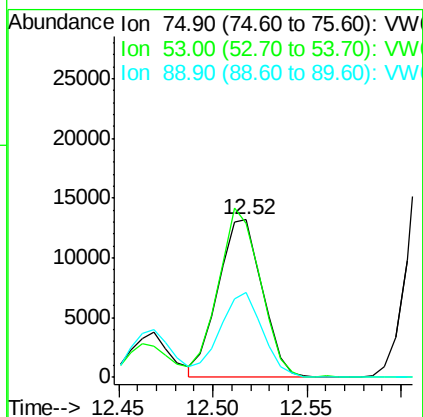
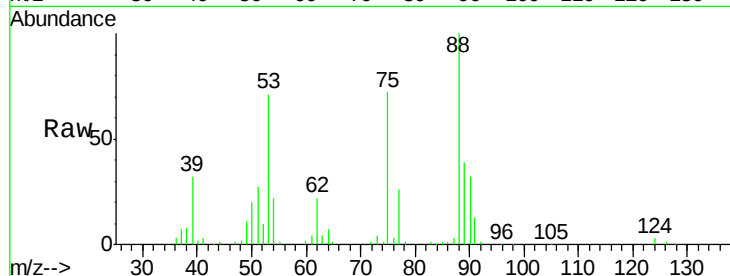
Tgt Ion: 75 Resp: 21494

Ion Ratio Lower Upper

75 100

53 102.8 80.2 120.2

89 52.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 103.606 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007703.D

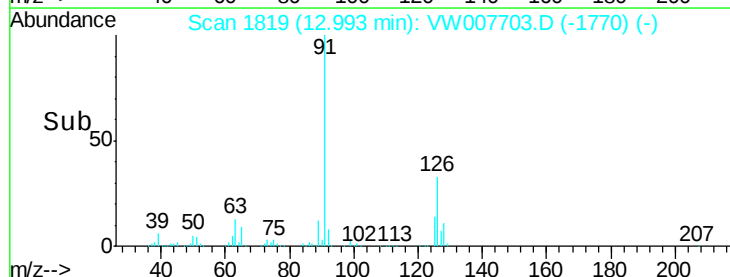
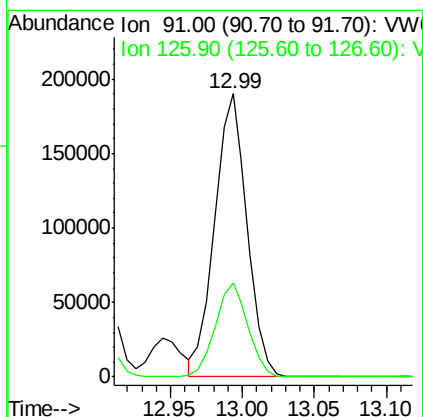
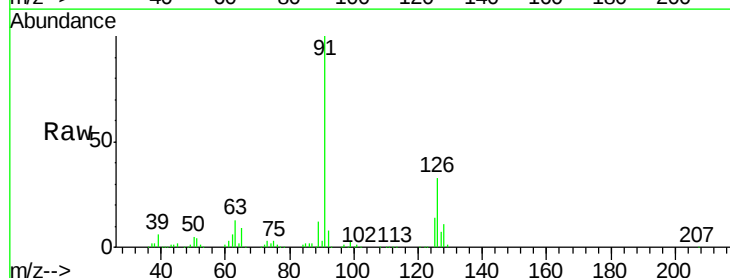
Acq: 19 Dec 2018 15:45

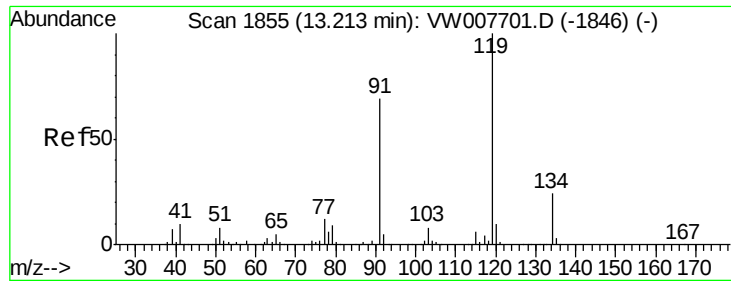
Tgt Ion: 91 Resp: 297729

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5

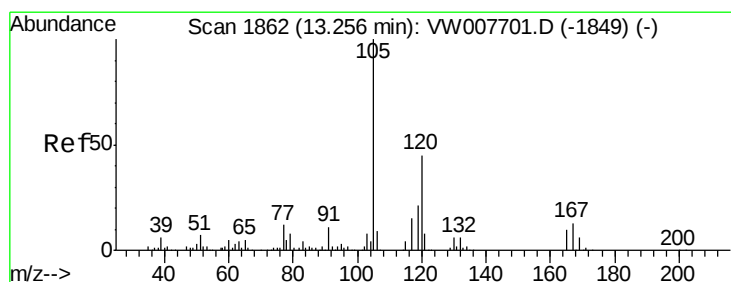
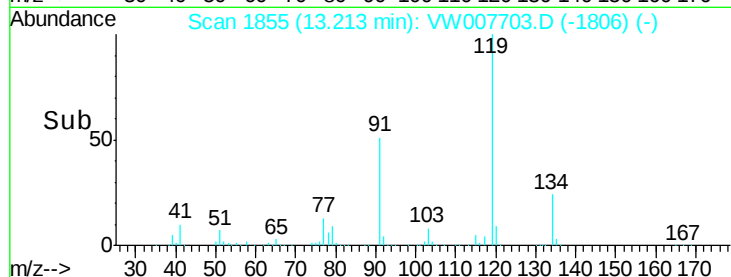
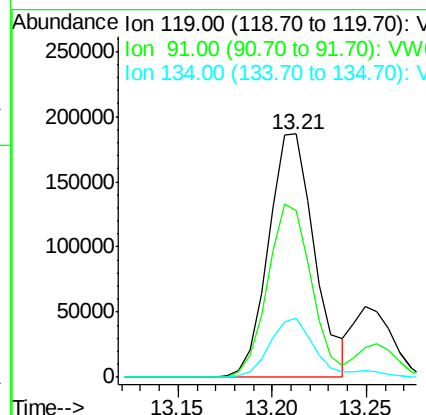
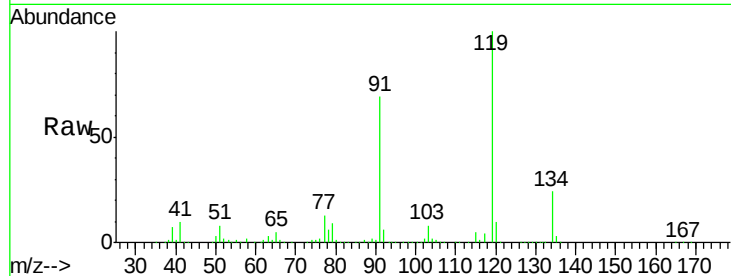




#83
tert-Butylbenzene
Concen: 104.967 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

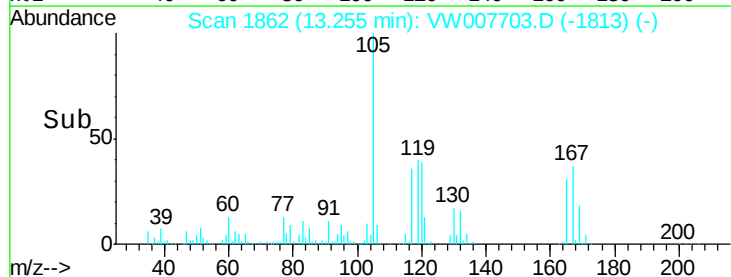
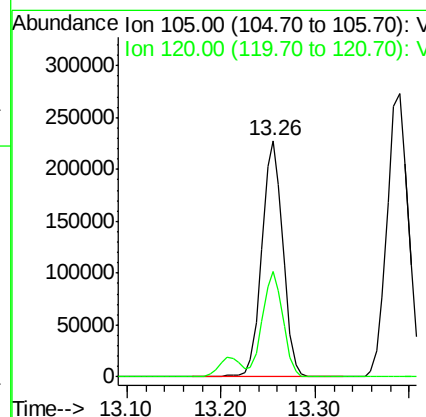
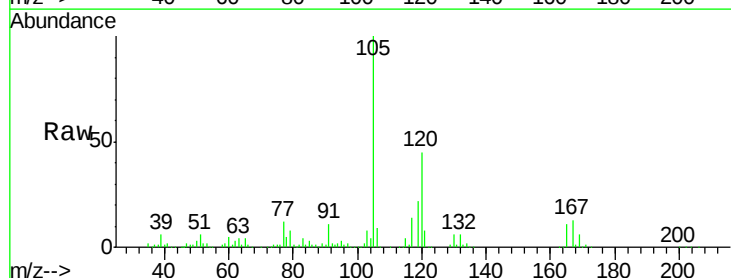
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

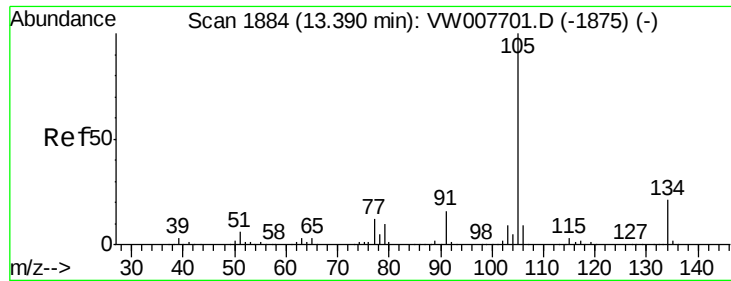
Tgt Ion:119 Resp: 316178
Ion Ratio Lower Upper
119 100
91 67.6 34.2 102.5
134 25.1 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 103.723 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:105 Resp: 359301
Ion Ratio Lower Upper
105 100
120 43.8 22.0 66.0

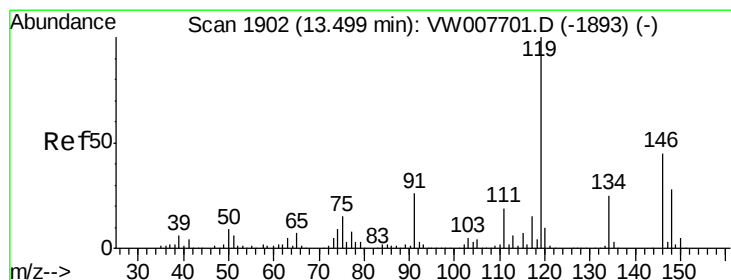
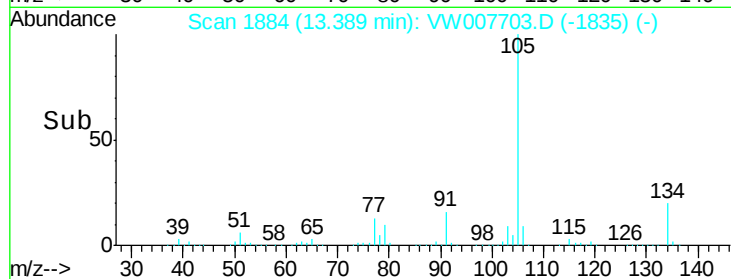
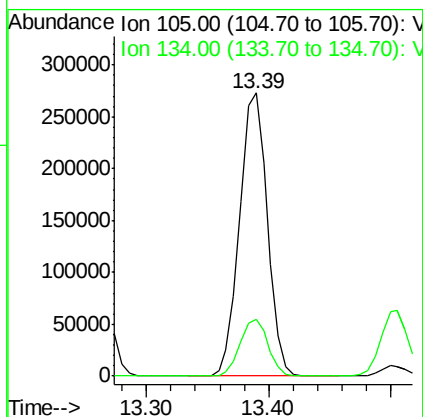
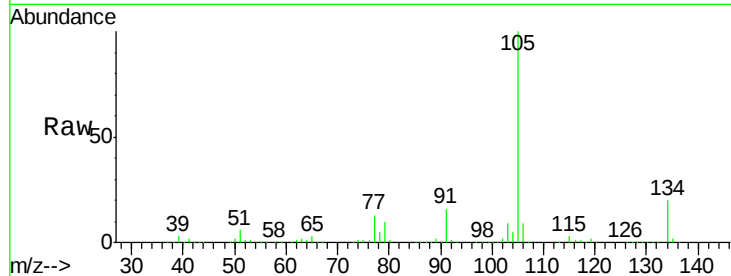




#85
 sec-Butylbenzene
 Concen: 103.349 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

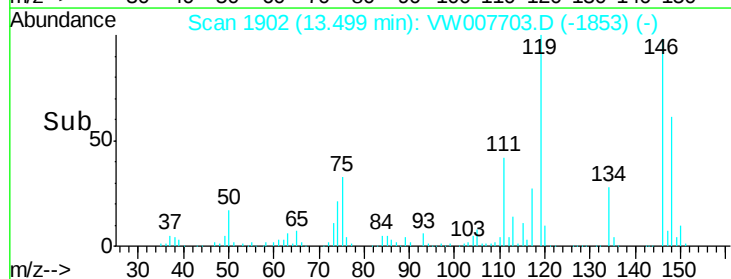
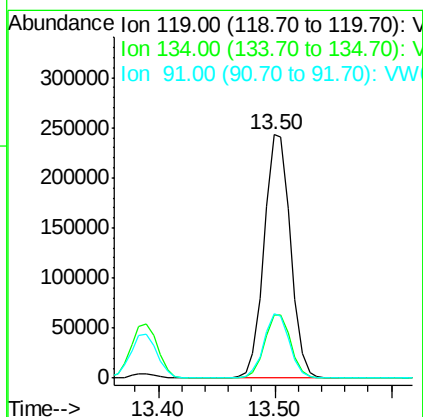
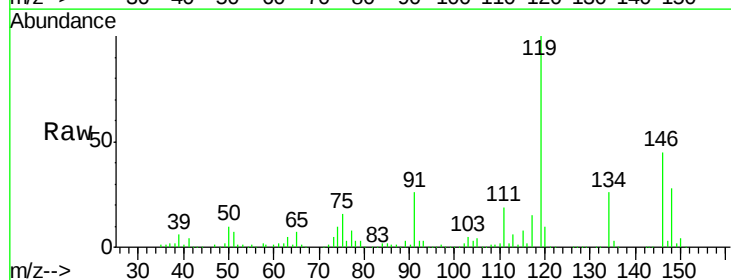
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 429030
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 101.621 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:119 Resp: 383600
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 25.6 12.8 38.4

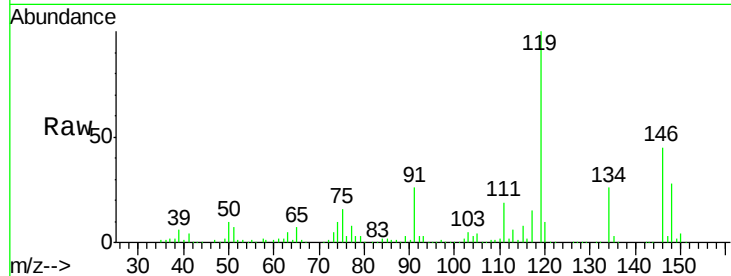




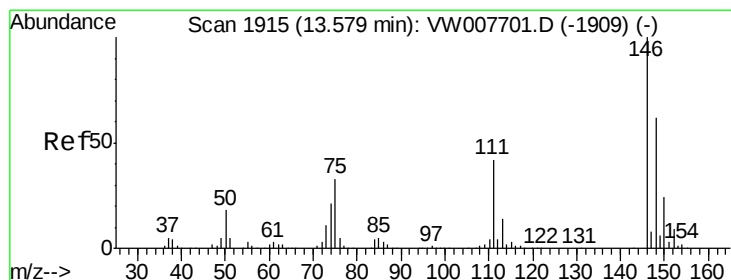
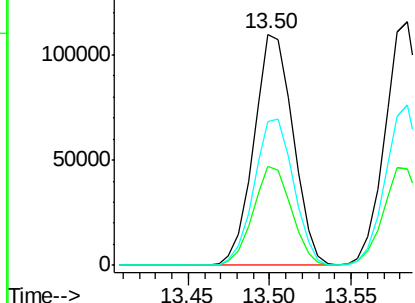
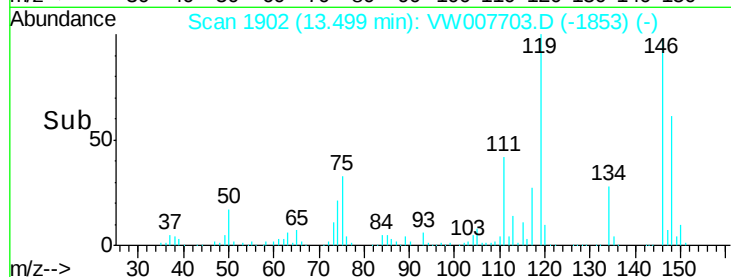
#87
 1,3-Dichlorobenzene
 Concen: 101.245 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 183350
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.4
 148 63.5 32.1 96.5

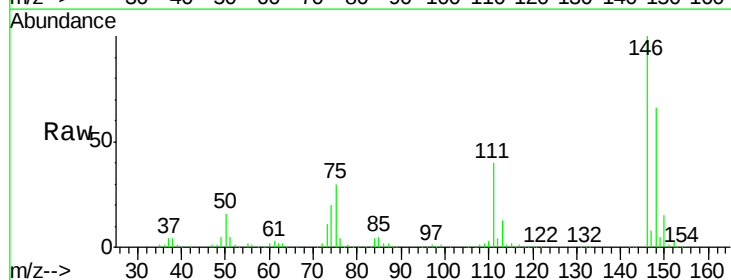


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

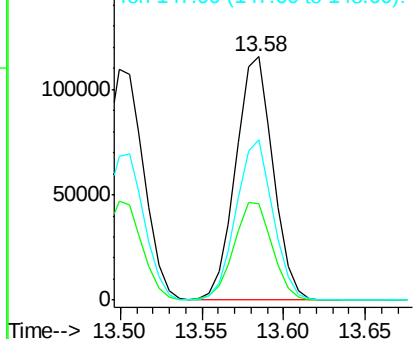
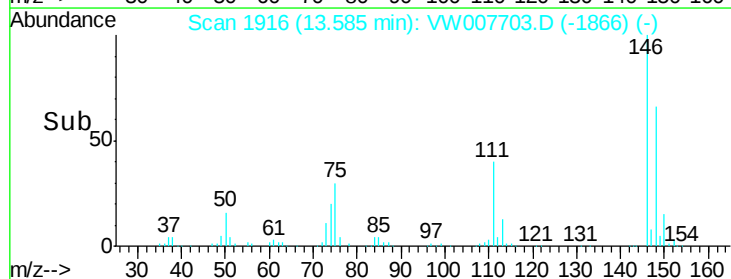


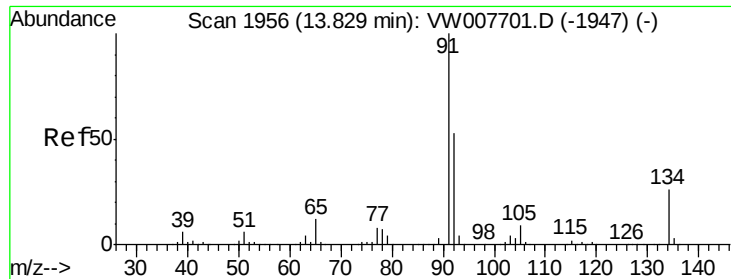
#88
 1,4-Dichlorobenzene
 Concen: 101.923 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:146 Resp: 184631
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.0 63.0
 148 64.8 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: 102.909 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

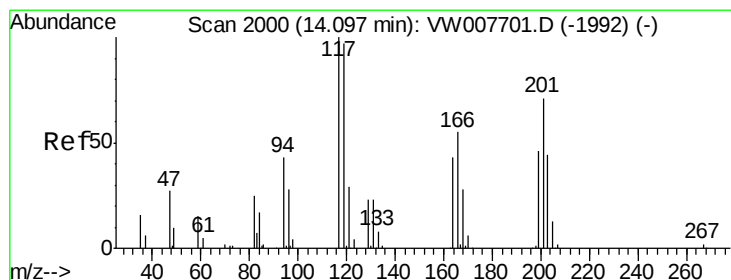
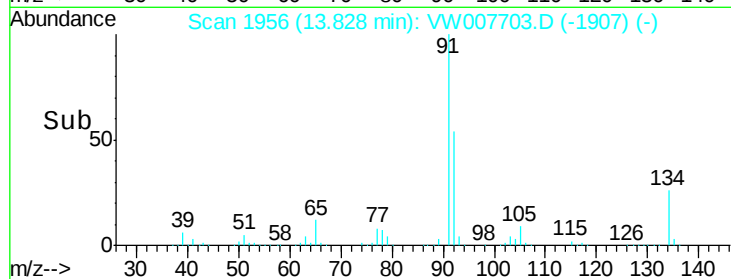
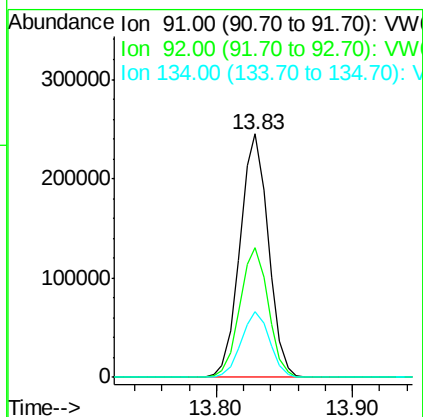
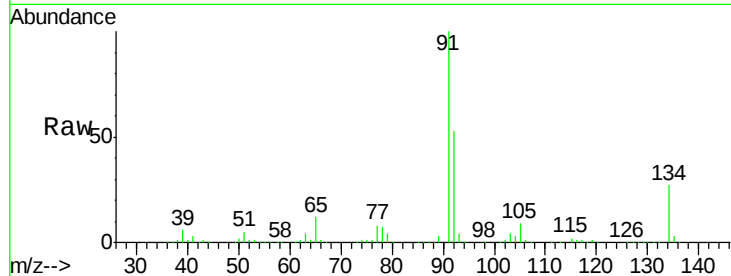
Tgt Ion: 91 Resp: 356174

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.2

134 27.0 13.7 41.0



#90

Hexachloroethane

Concen: 103.592 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007703.D

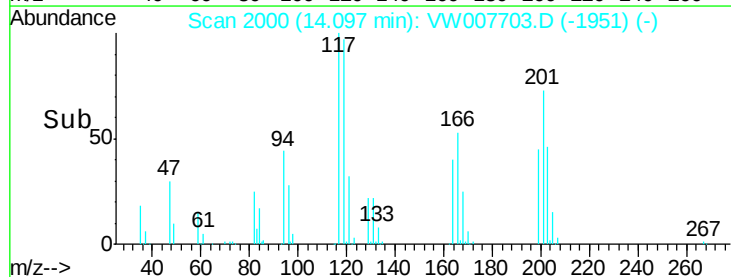
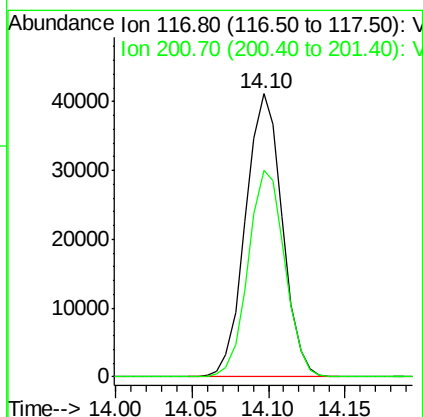
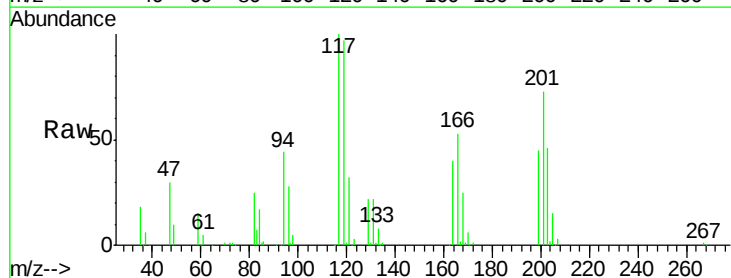
Acq: 19 Dec 2018 15:45

Tgt Ion: 117 Resp: 68652

Ion Ratio Lower Upper

117 100

201 72.7 36.2 108.6

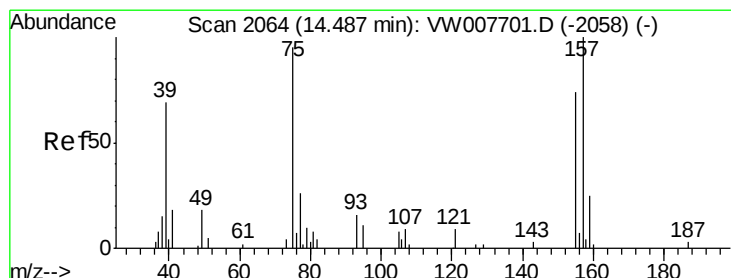
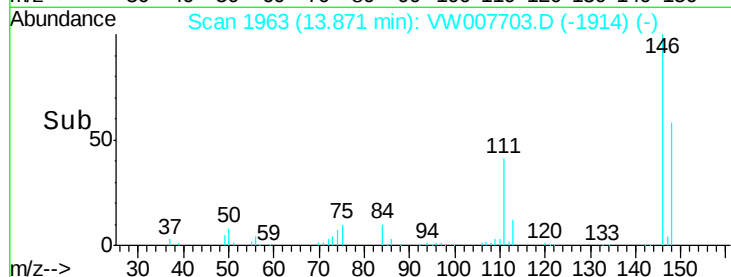
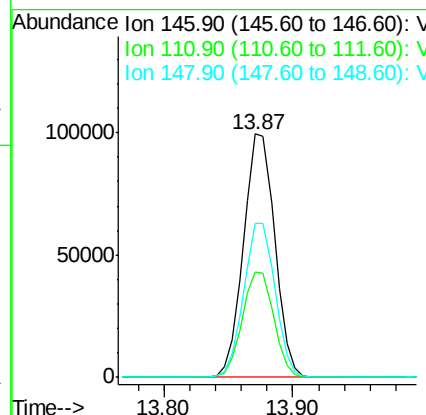
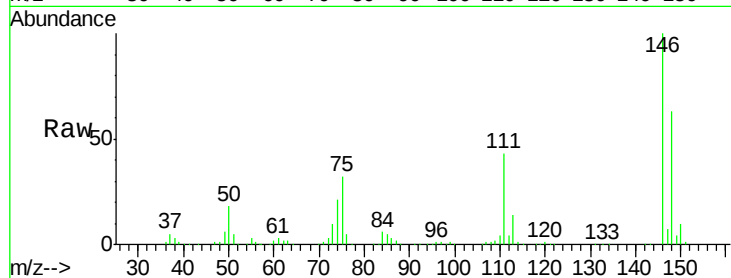




#91
 1,2-Dichlorobenzene
 Concen: 103.124 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

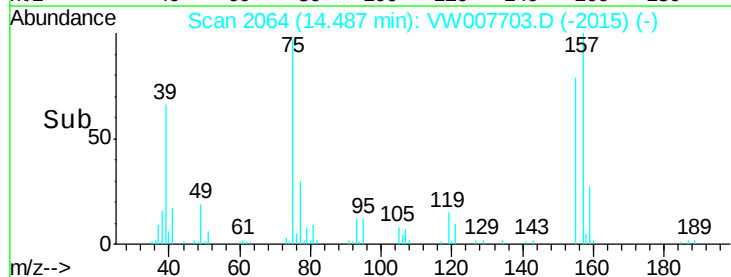
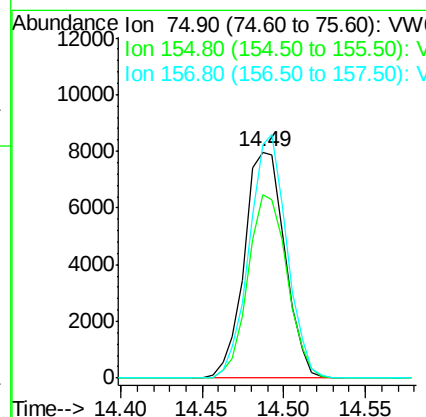
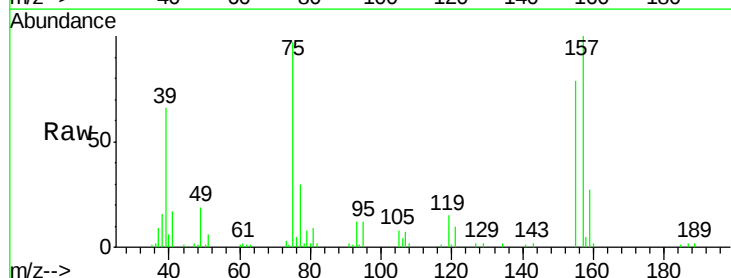
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

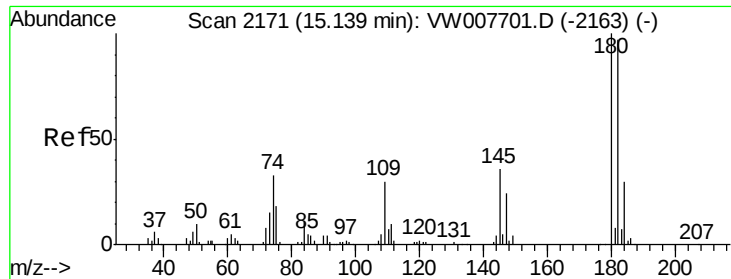
Tgt Ion: 146 Resp: 167206
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.7 65.1
 148 63.4 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 112.693 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 75 Resp: 13810
 Ion Ratio Lower Upper
 75 100
 155 78.5 39.4 118.1
 157 99.6 52.0 156.0

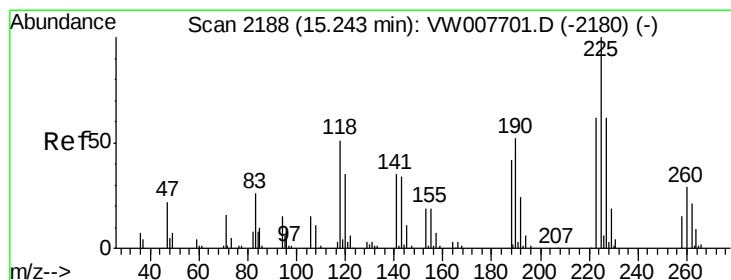
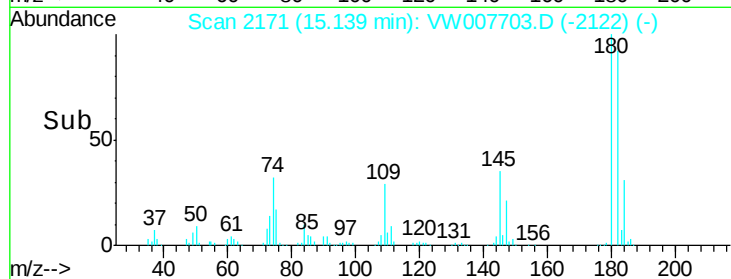
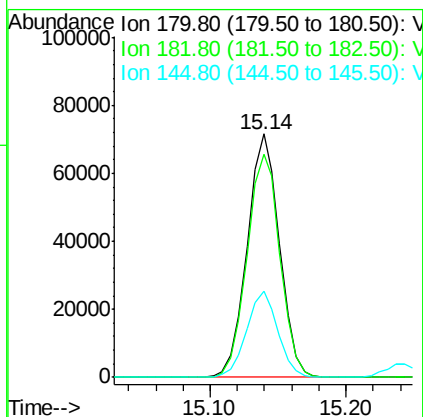
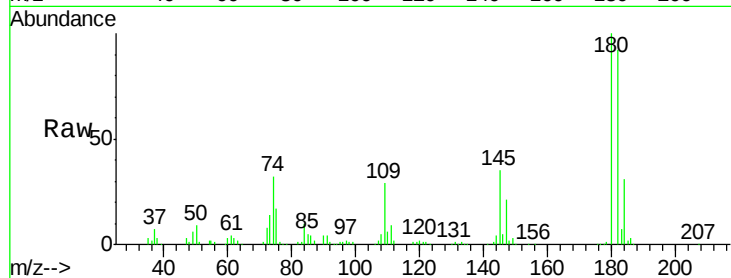




#93
 1,2,4-Trichlorobenzene
 Concen: 105.126 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

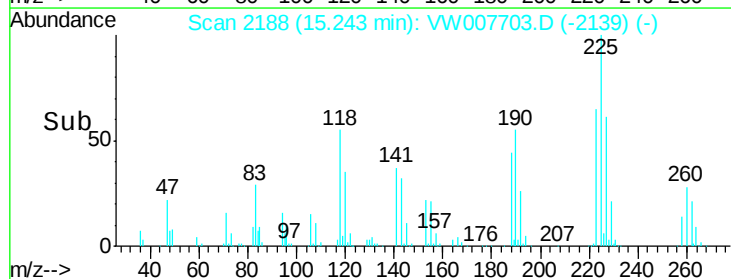
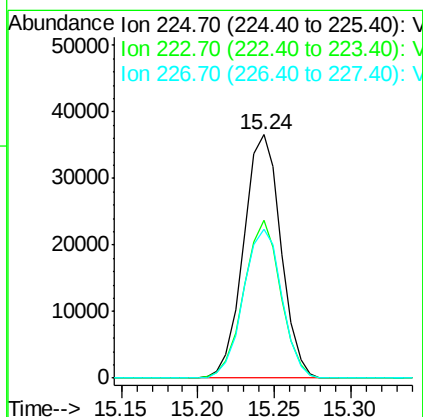
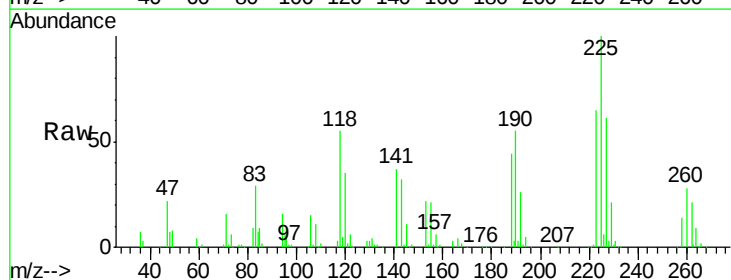
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

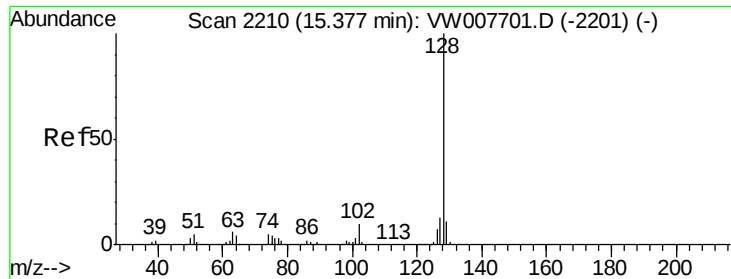
Tgt Ion:180 Resp: 118319
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.5 142.6
 145 34.3 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 102.966 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:225 Resp: 61933
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.6 94.8
 227 62.8 32.1 96.3

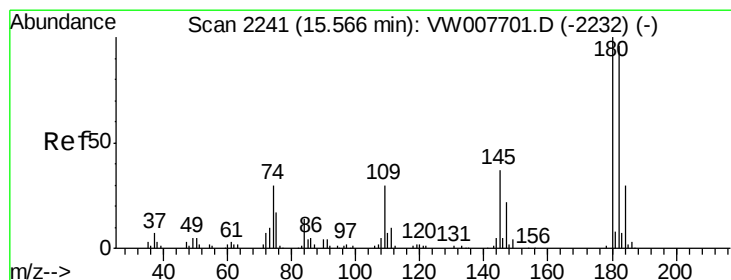
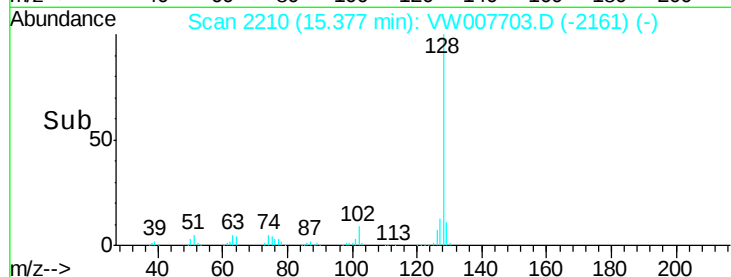
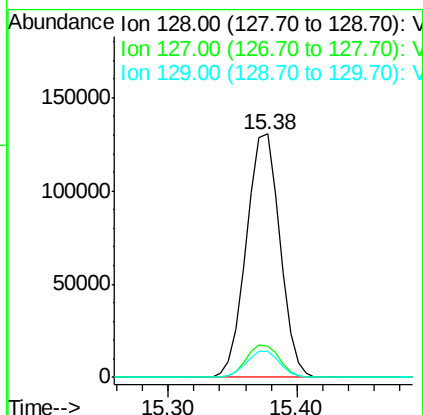
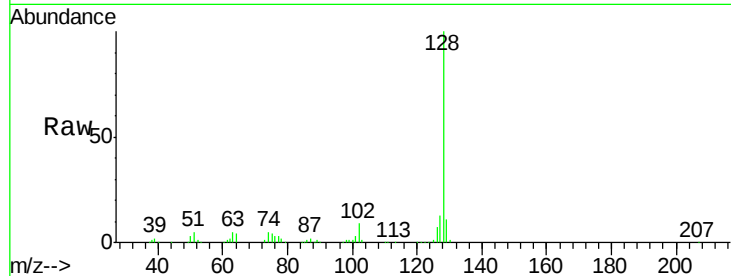




#95
Naphthalene
Concen: 113.015 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 235168
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 107.894 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:180 Resp: 103949
Ion Ratio Lower Upper
180 100
182 93.6 47.4 142.2
145 35.5 18.4 55.0

