

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007658.D
 Acq On : 18 Dec 2018 15:09
 Operator : SY/AP
 Sample : J6353-03MSD
 Misc : 4.61G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:18:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	33941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	37619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	22923	60.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.76%	
35) Dibromofluoromethane	7.88	113	11288	31.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.12%	
50) Toluene-d8	10.32	98	55345	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	
62) 4-Bromofluorobenzene	12.62	95	15528	31.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11811	49.797	ug/l	98
3) Chloromethane	2.21	50	10805	54.394	ug/l	95
4) Vinyl Chloride	2.37	62	14497	62.189	ug/l	93
5) Bromomethane	2.78	94	10632	67.883	ug/l	97
6) Chloroethane	2.93	64	8683	67.667	ug/l	98
7) Trichlorofluoromethane	3.25	101	14094	67.250	ug/l	99
8) Diethyl Ether	3.68	74	10562	64.390	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11803	34.131	ug/l	94
10) Methyl Iodide	4.26	142	36286	63.356	ug/l	96
11) Tert butyl alcohol	5.17	59	9349	361.511	ug/l	95
12) 1,1-Dichloroethene	4.03	96	20941	62.895	ug/l	97
13) Acrolein	3.89	56	3267	190.919	ug/l	94
14) Allyl chloride	4.66	41	29331	59.764	ug/l	96
15) Acrylonitrile	5.37	53	22338	323.041	ug/l	99
16) Acetone	4.12	43	30415	462.432	ug/l	100
17) Carbon Disulfide	4.37	76	50694	50.215	ug/l	97
18) Methyl Acetate	4.67	43	6957	38.972	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	39866	79.370	ug/l #	86
20) Methylene Chloride	4.91	84	24172	68.668	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	21444	57.574	ug/l	96
22) Diisopropyl ether	6.31	45	58644	62.166	ug/l	96
23) Vinyl Acetate	6.31	43	32090	60.818	ug/l #	72
24) 1,1-Dichloroethane	6.21	63	40264	63.152	ug/l	97
25) 2-Butanone	7.17	43	32250	375.588	ug/l	100
26) 2,2-Dichloropropane	7.17	77	28750	68.135	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	25614	62.806	ug/l	98
28) Bromochloromethane	7.51	49	14341	59.800	ug/l	96
29) Tetrahydrofuran	7.53	42	17472	321.422	ug/l	94
30) Chloroform	7.68	83	44688	64.408	ug/l	100
31) Cyclohexane	7.96	56	14104	24.111	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	34601	56.868	ug/l	98
36) 1,1-Dichloropropene	8.08	75	23747	44.057	ug/l	97
37) Ethyl Acetate	7.25	43	7615	37.984	ug/l	99
38) Carbon Tetrachloride	8.07	117	25640	43.718	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10767	16.496	ug/l	87
40) Benzene	8.32	78	88592	59.225	ug/l	99
41) Methacrylonitrile	7.48	41	7419	64.986	ug/l	94
42) 1,2-Dichloroethane	8.40	62	31273	66.554	ug/l	99
43) Isopropyl Acetate	8.43	43	24101	60.860	ug/l	99
44) Trichloroethene	9.09	130	39339	92.096	ug/l	100
45) 1,2-Dichloropropane	9.37	63	20351	58.791	ug/l	98
46) Dibromomethane	9.46	93	12738	64.799	ug/l	98
47) Bromodichloromethane	9.65	83	31717	61.511	ug/l	98
48) Methyl methacrylate	9.43	41	9781	48.092	ug/l	97
49) 1,4-Dioxane	9.45	88	4433	1389.825	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	66634	356.118	ug/l	99
52) Toluene	10.39	92	157364	162.560	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	31010	61.947	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	33392	57.703	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	17463	65.272	ug/l	94
56) Ethyl methacrylate	10.65	69	17781	55.293	ug/l	100
57) 1,3-Dichloropropane	10.93	76	28142	64.085	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	52618	354.822	ug/l	99
59) 2-Hexanone	10.97	43	47979	384.550	ug/l	98
60) Dibromochloromethane	11.13	129	20542	60.840	ug/l	98
61) 1,2-Dibromoethane	11.23	107	15912	60.183	ug/l	97
64) Tetrachloroethene	10.87	164	16015	59.199	ug/l	93
65) Chlorobenzene	11.66	112	42886	54.695	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	17991	65.147	ug/l	97
67) Ethyl Benzene	11.73	91	134542	99.802	ug/l	94
68) m/p-Xylenes	11.84	106	152463	290.917	ug/l	99
69) o-Xylene	12.17	106	74156	151.508	ug/l	97
70) Styrene	12.18	104	61617	77.940	ug/l	91
71) Bromoform	12.35	173	10788	76.321	ug/l #	98
73) Isopropylbenzene	12.47	105	41261	58.487	ug/l	99
74) N-amyl acetate	12.27	43	14477	112.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	896	8.575	ug/l	77
76) 1,2,3-Trichloropropane	12.77	75	21656	285.269	ug/l #	1
77) Bromobenzene	12.75	156	14453	92.425	ug/l	87
78) n-propylbenzene	12.81	91	61726	77.746	ug/l	99
79) 2-Chlorotoluene	12.90	91	44437	92.500	ug/l	79
80) 1,3,5-Trimethylbenzene	12.94	105	66384	111.989	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.51	75	5623	163.622	ug/l	94
82) 4-Chlorotoluene	12.99	91	30887	60.994	ug/l	98
83) tert-Butylbenzene	13.21	119	16418	31.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	188779	309.476	ug/l	100
85) sec-Butylbenzene	13.38	105	19445	27.271	ug/l	99
86) p-Isopropyltoluene	13.50	119	17216	26.876	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	15816	50.728	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	16971	54.144	ug/l	97
89) n-Butylbenzene	13.83	91	17625	29.680	ug/l #	77
90) Hexachloroethane	14.10	117	4373	38.368	ug/l	65
91) 1,2-Dichlorobenzene	13.88	146	16179	57.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3138	149.651	ug/l	96

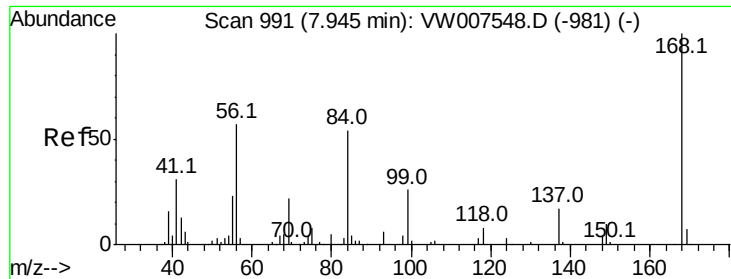
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	3928	20.439	ug/l #	83
94) Hexachlorobutadiene	15.24	225	871	8.542	ug/l	89
95) Naphthalene	15.38	128	44700	121.585	ug/l	96
96) 1,2,3-Trichlorobenzene	15.57	180	3619	21.678	ug/l #	81

(#) = 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. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

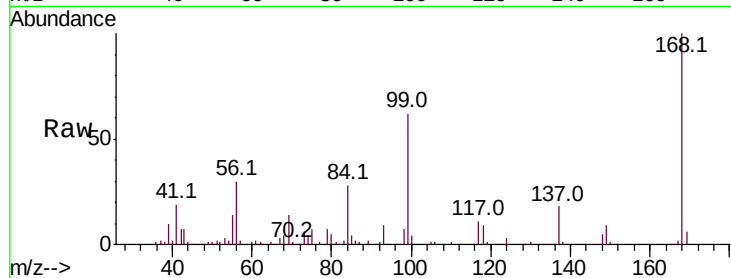
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 33941

Ion Ratio Lower Upper

168 100

99 62.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

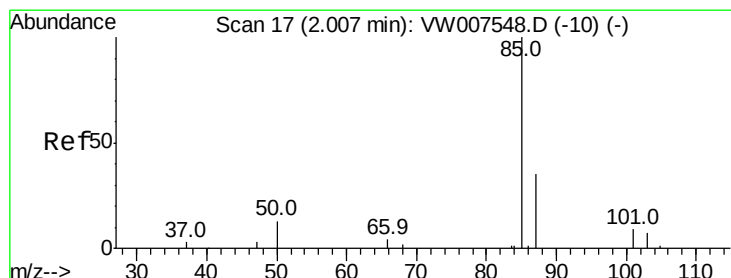
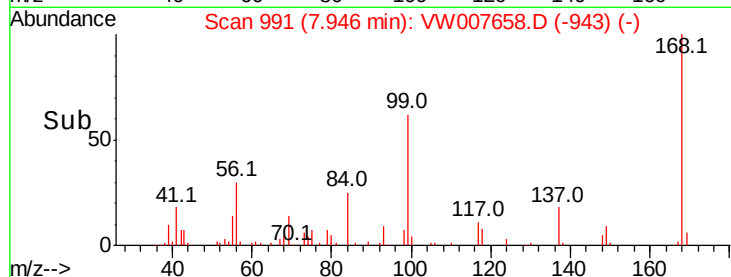
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 49.797 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007658.D

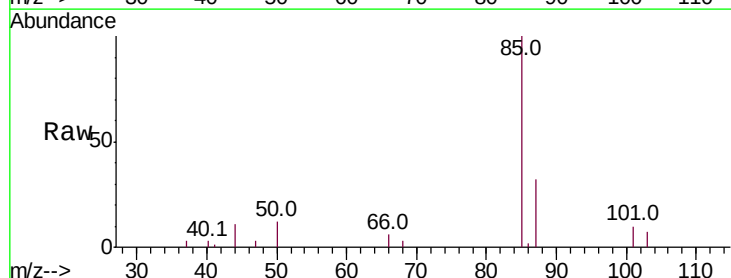
Acq: 18 Dec 2018 15:09

Tgt Ion: 85 Resp: 11811

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

5000

4000

3000

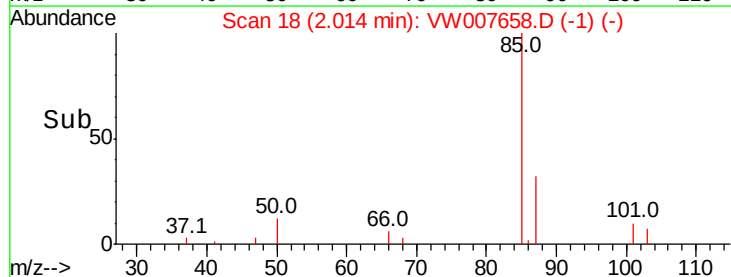
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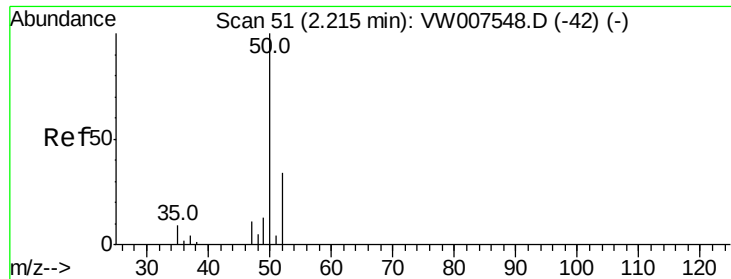
1000

0

Time-->

1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 54.394 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

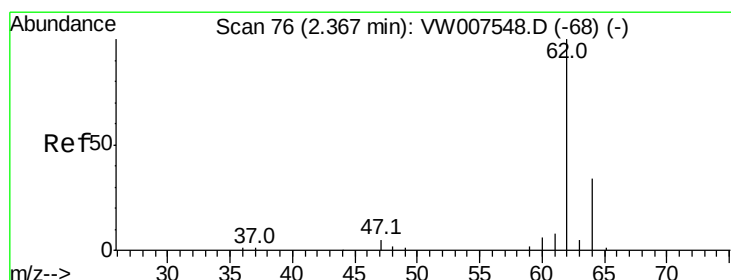
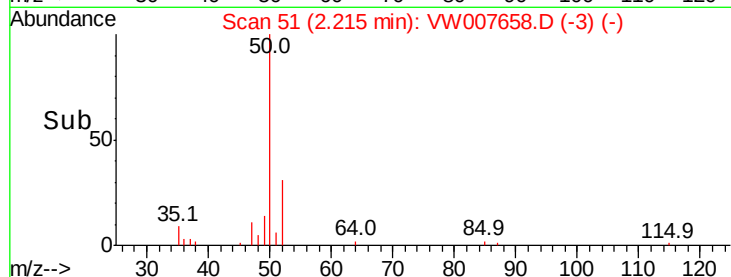
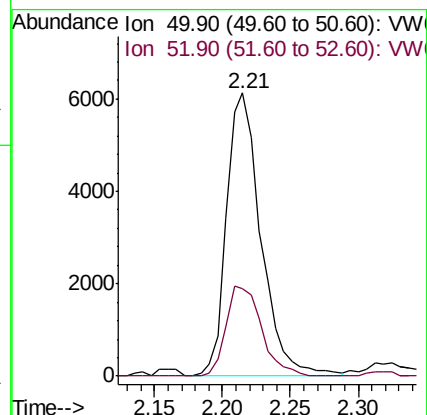
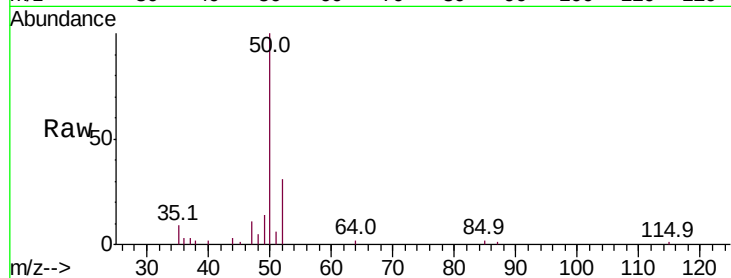
ClientSampleId :

Tot Ion: 50 Resp: 10805

Ion Ratio Lower Upper

50 100

52 31.1 27.4 41.0



#4

Vinyl Chloride

Concen: 62.189 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007658.D

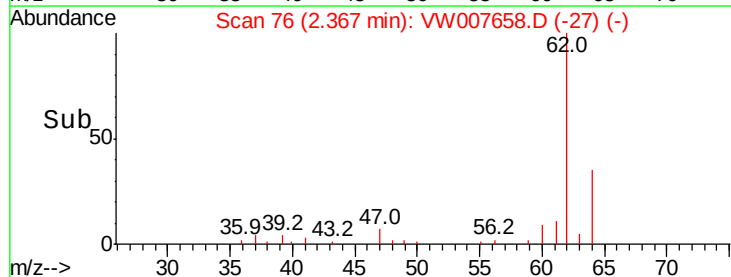
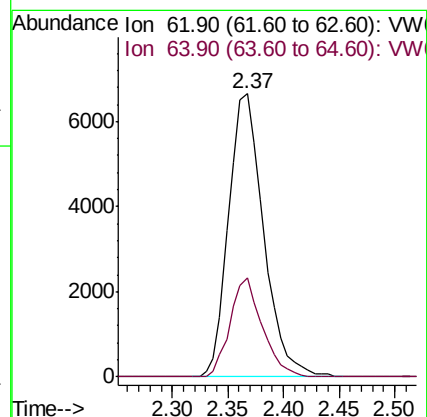
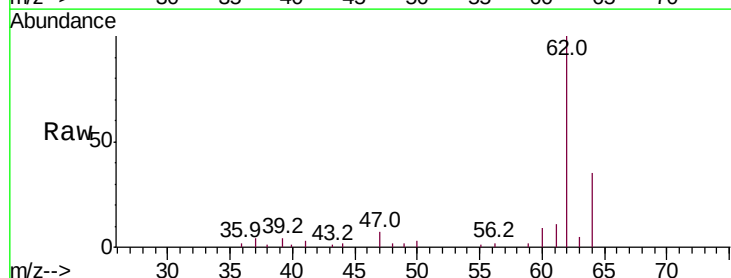
Acq: 18 Dec 2018 15:09

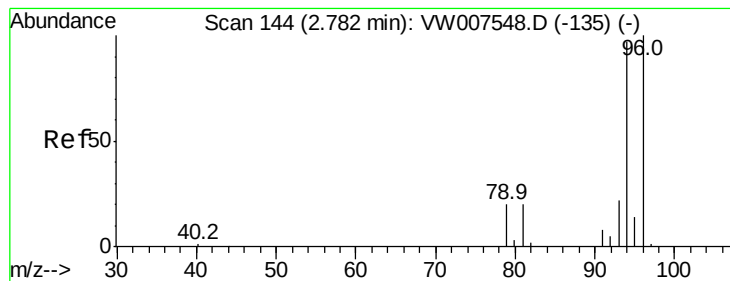
Tgt Ion: 62 Resp: 14497

Ion Ratio Lower Upper

62 100

64 34.8 24.6 37.0





#5

Bromomethane

Concen: 67.883 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

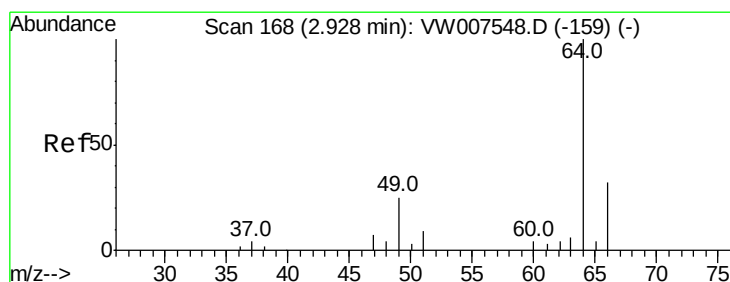
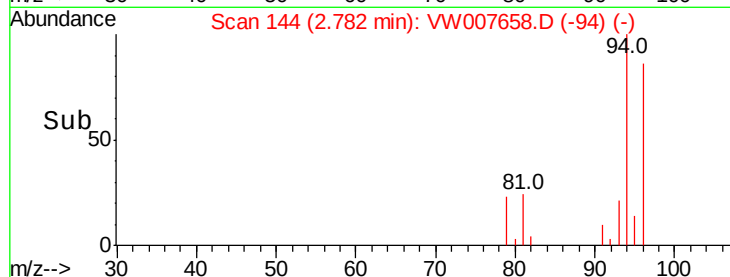
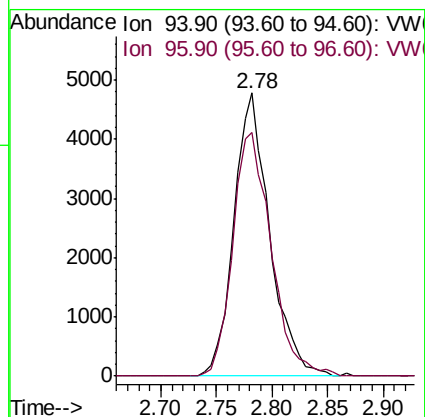
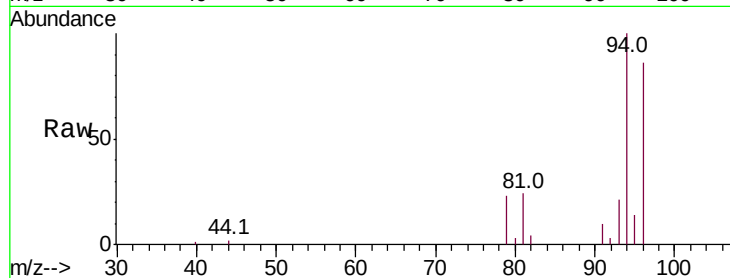
ClientSampled :

Tot Ion: 94 Resp: 10632

Ion Ratio Lower Upper

94 100

96 86.0 71.0 106.4



#6

Chloroethane

Concen: 67.667 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007658.D

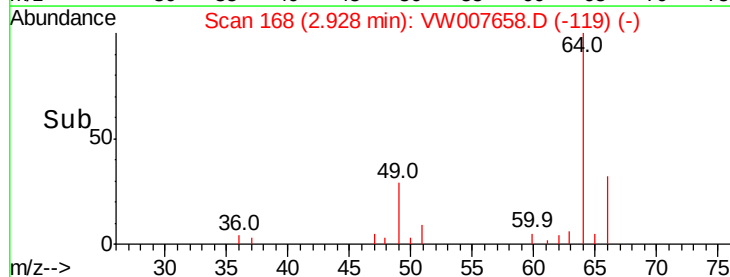
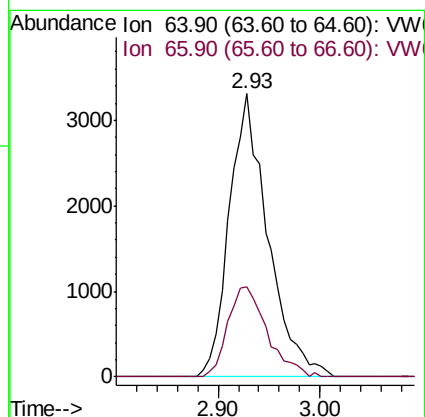
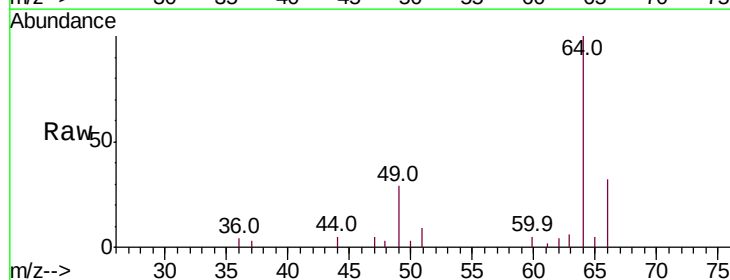
Acq: 18 Dec 2018 15:09

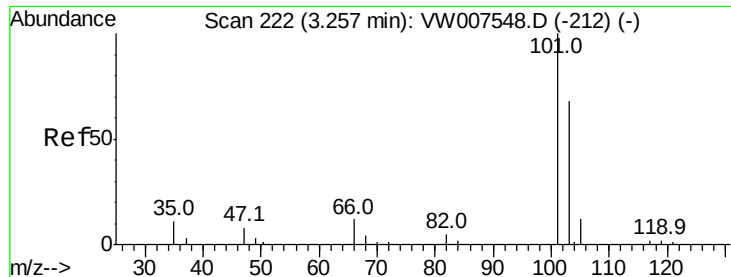
Tgt Ion: 64 Resp: 8683

Ion Ratio Lower Upper

64 100

66 31.8 24.6 37.0



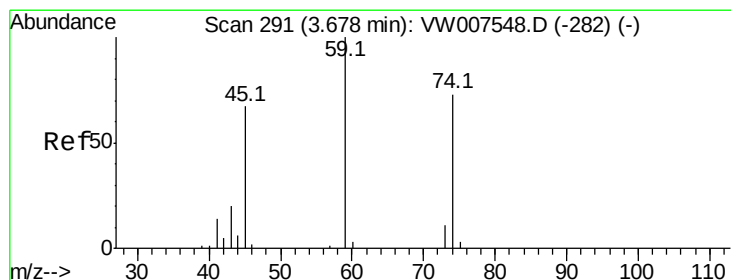
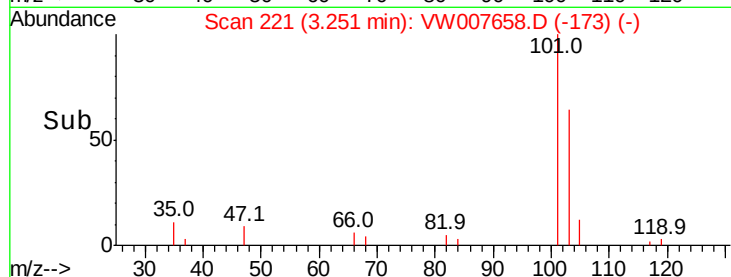
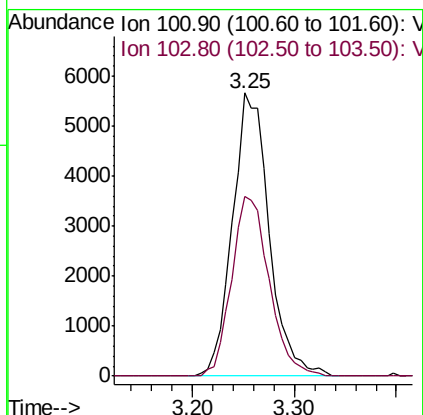
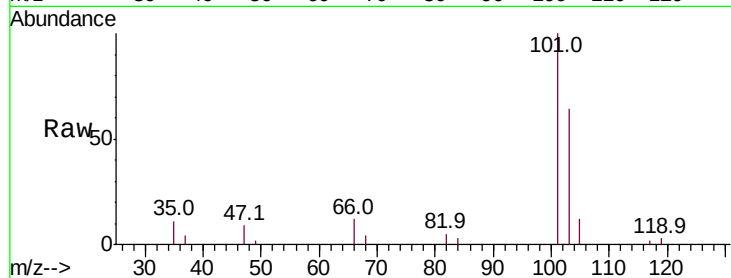


#7

Trichlorofluoromethane
Concen: 67.250 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
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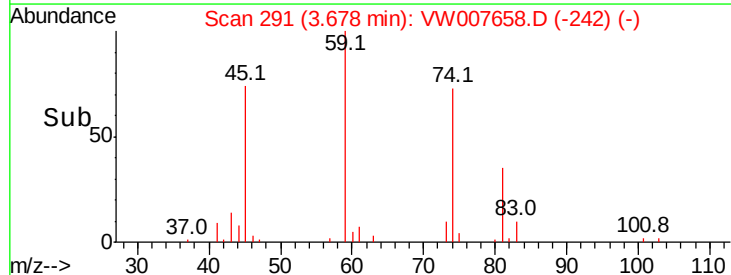
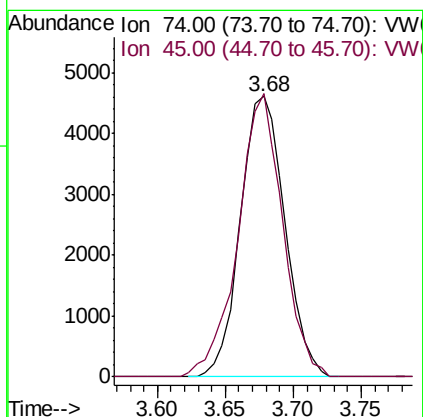
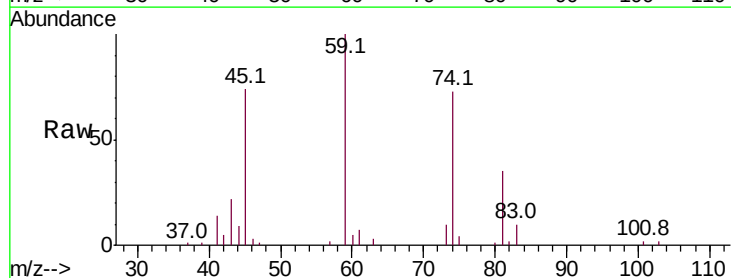
Tot Ion:101 Resp: 14094
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

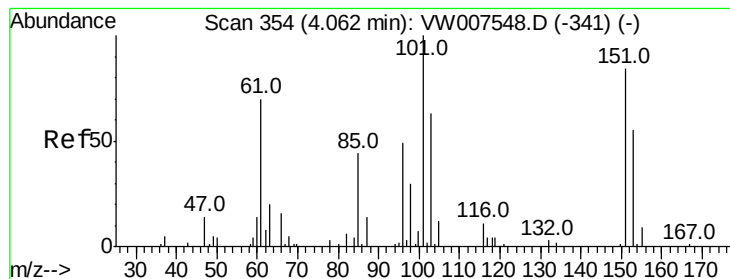


#8

Diethyl Ether
Concen: 64.390 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 74 Resp: 10562
Ion Ratio Lower Upper
74 100
45 101.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.131 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

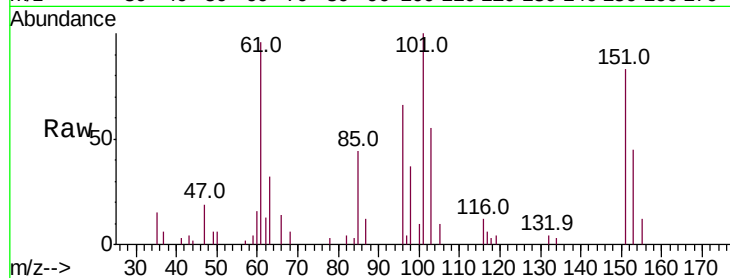
Tot Ion:101 Resp: 11803

Ion Ratio Lower Upper

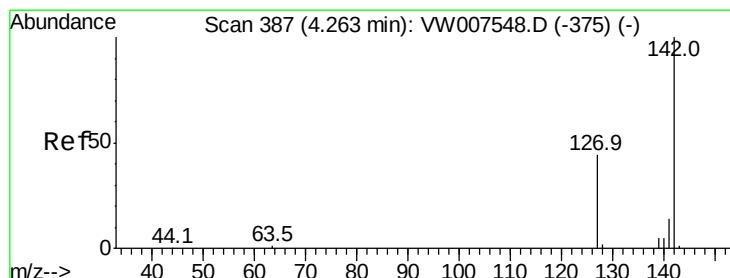
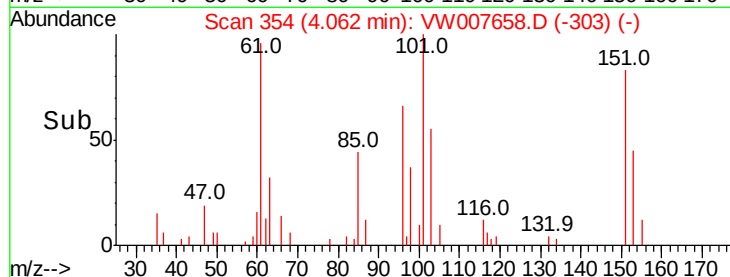
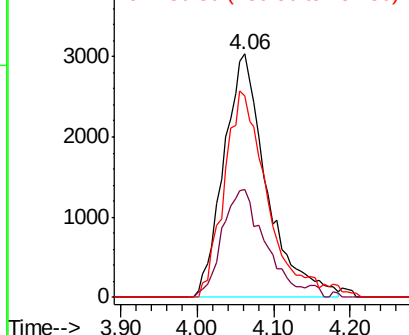
101 100

85 44.2 33.9 50.9

151 86.2 63.7 95.5



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: 63.356 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

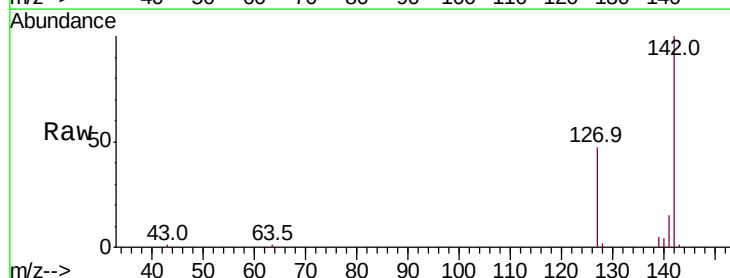
Tgt Ion:142 Resp: 36286

Ion Ratio Lower Upper

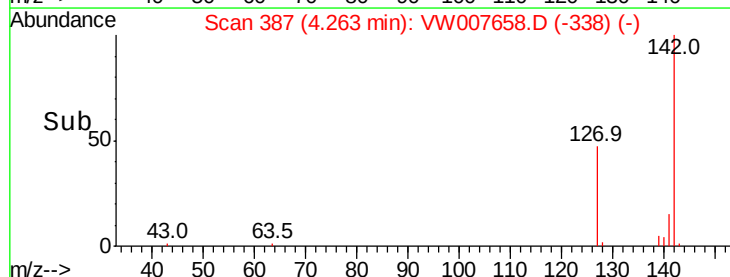
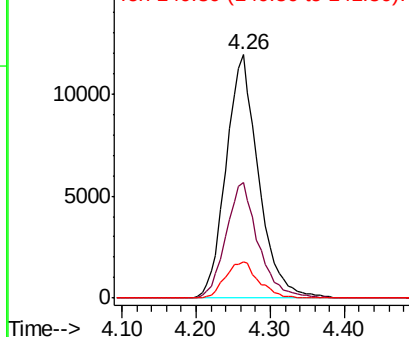
142 100

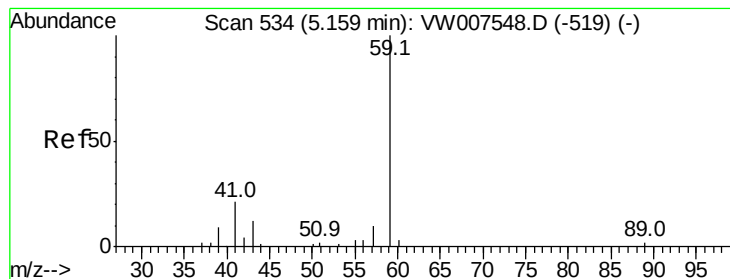
127 47.2 35.8 53.6

141 15.2 11.1 16.7



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



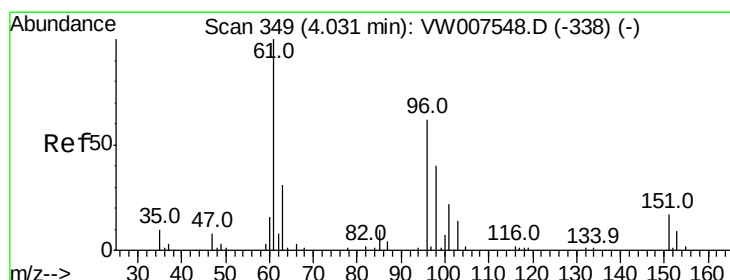
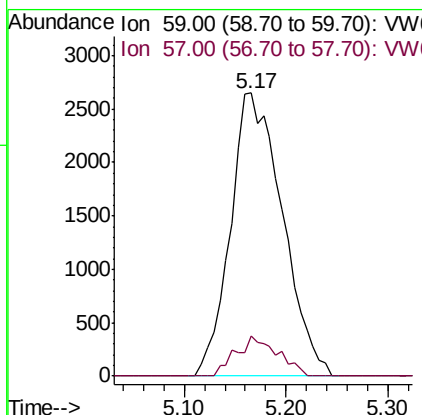
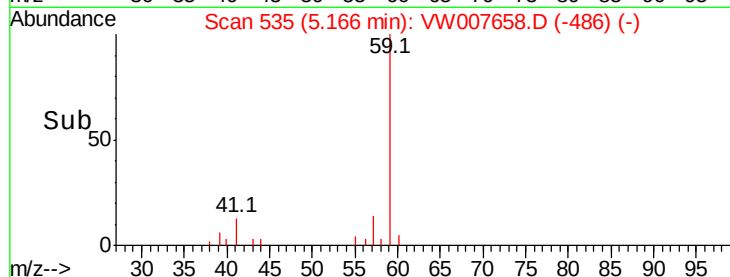
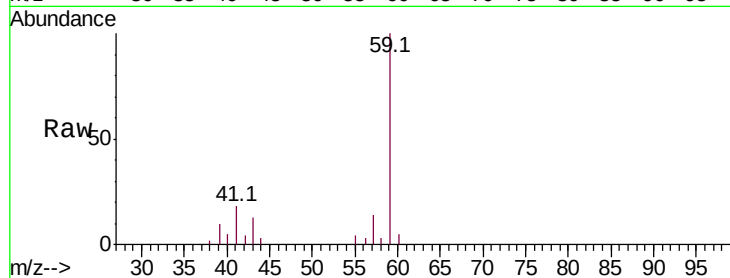


#11

Tert butyl alcohol
Concen: 361.511 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampled :

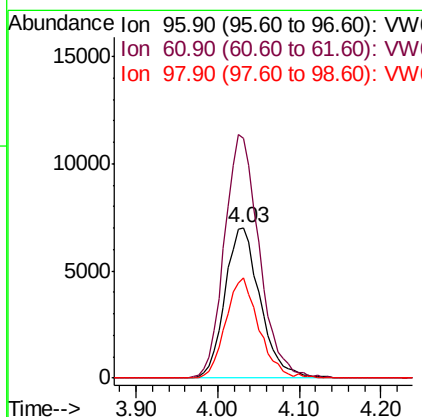
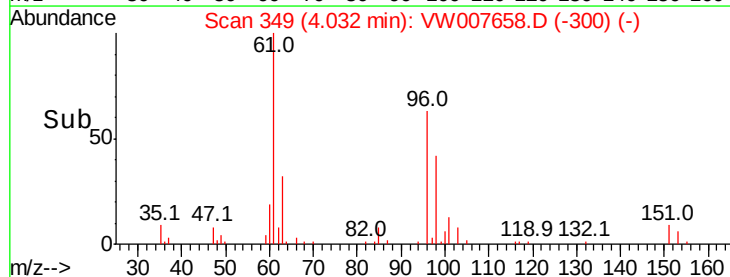
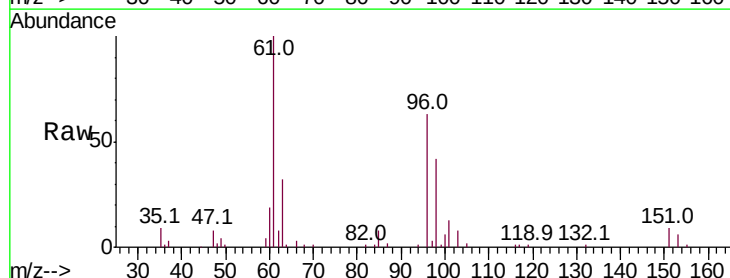
Tot Ion: 59 Resp: 9349
Ion Ratio Lower Upper
59 100
57 11.3 7.6 11.4

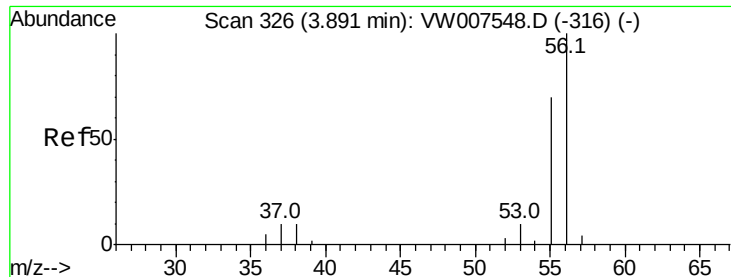


#12

1,1-Dichloroethene
Concen: 62.895 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 96 Resp: 20941
Ion Ratio Lower Upper
96 100
61 159.1 126.2 189.2
98 66.3 48.3 72.5

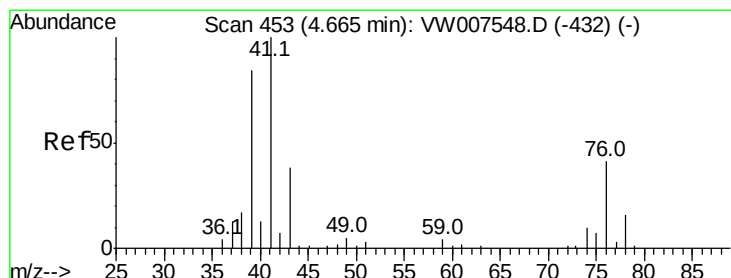
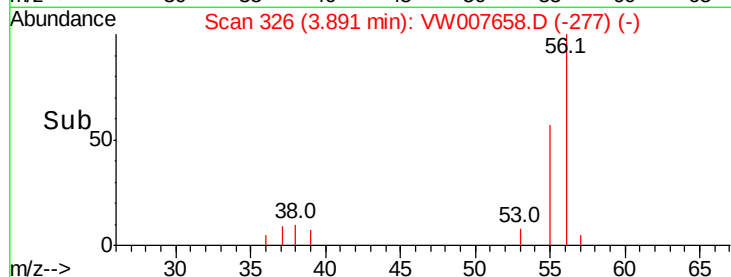
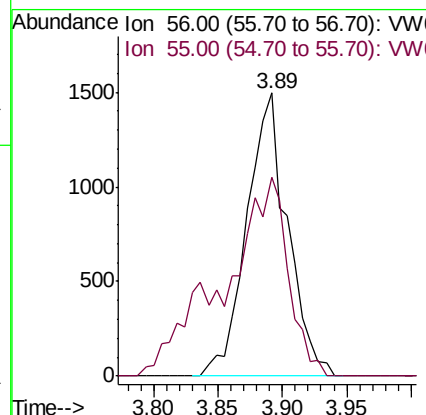
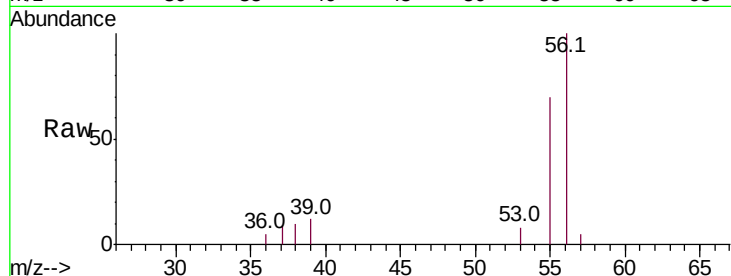




#13
Acrolein
Concen: 190.919 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

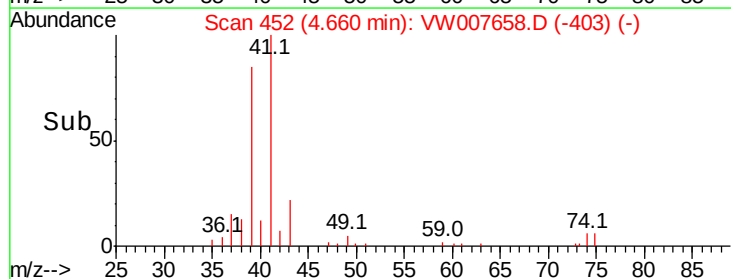
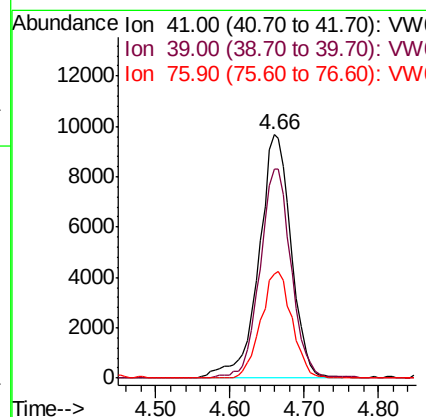
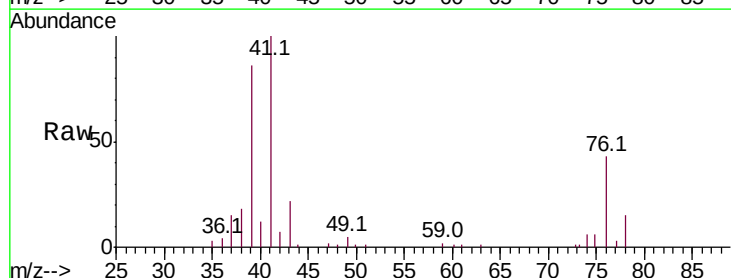
Instrument :
MSVOA_W
ClientSampleId :

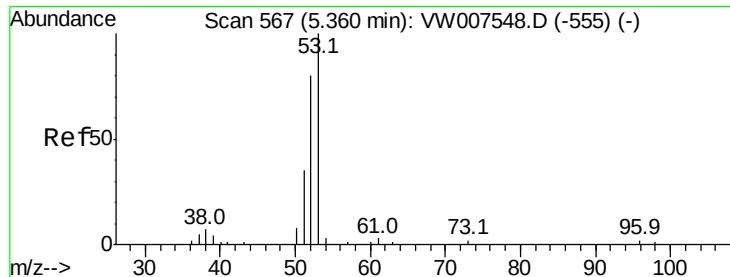
Tot Ion: 56 Resp: 3267
Ion Ratio Lower Upper
56 100
55 76.7 57.4 86.2



#14
Allyl chloride
Concen: 59.764 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 41 Resp: 29331
Ion Ratio Lower Upper
41 100
39 82.8 63.4 95.2
76 41.8 32.1 48.1





#15

Acrylonitrile

Concen: 323.041 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

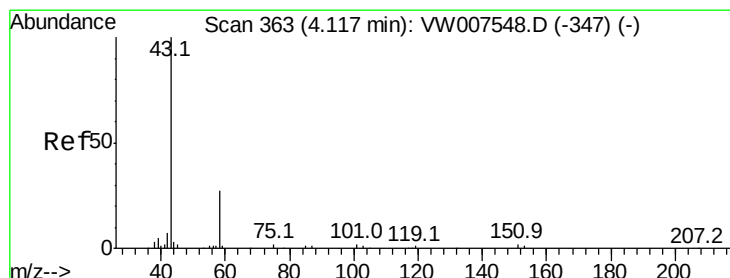
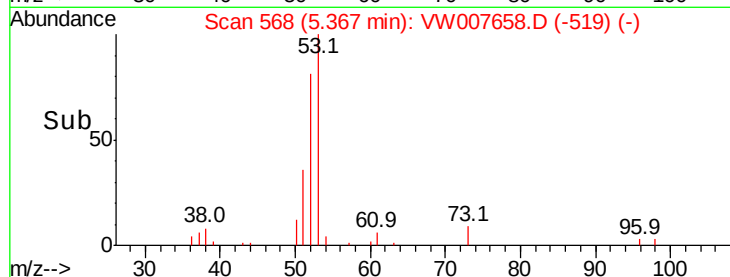
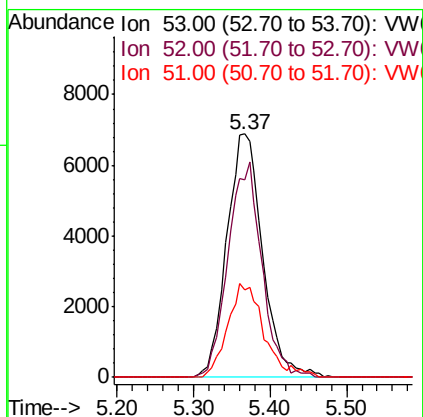
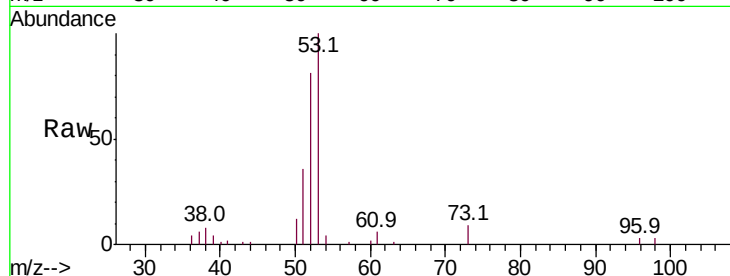
Tot Ion: 53 Resp: 22338

Ion Ratio Lower Upper

53 100

52 83.3 67.4 101.2

51 37.1 30.2 45.2



#16

Acetone

Concen: 462.432 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007658.D

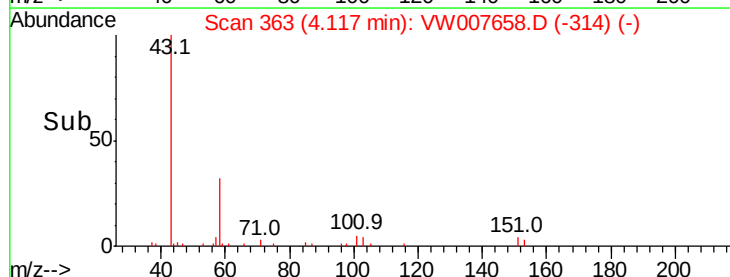
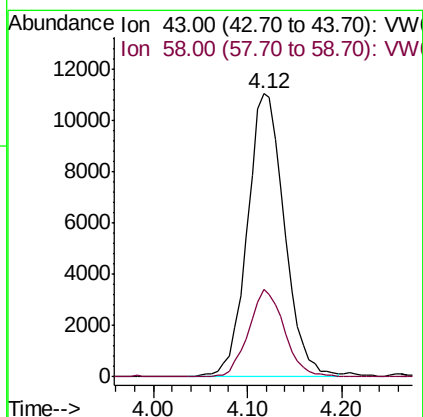
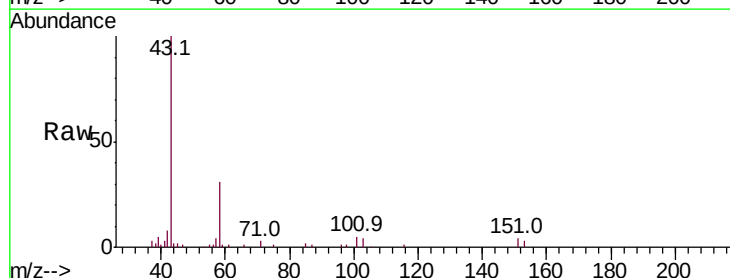
Acq: 18 Dec 2018 15:09

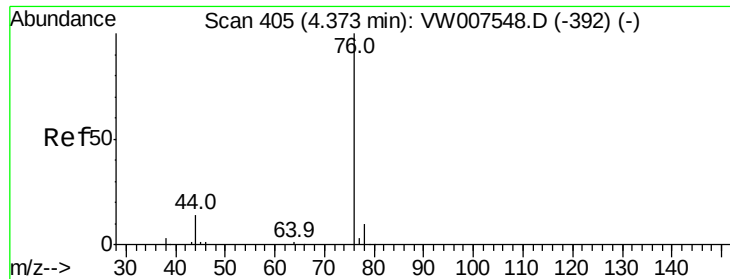
Tgt Ion: 43 Resp: 30415

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3

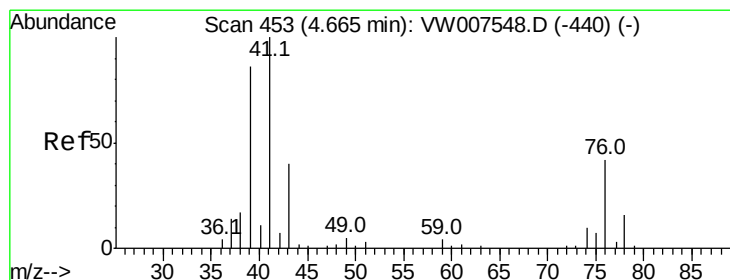
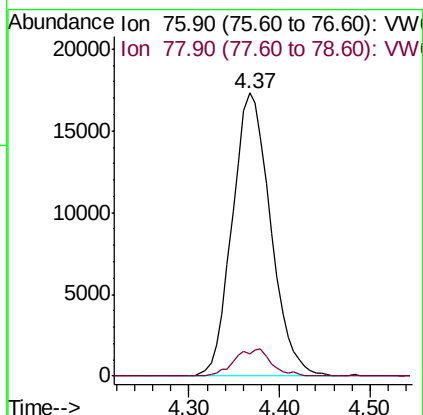
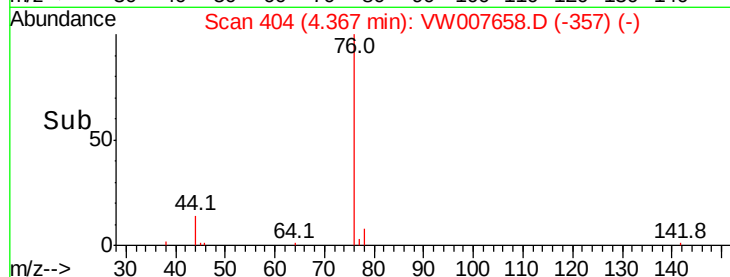
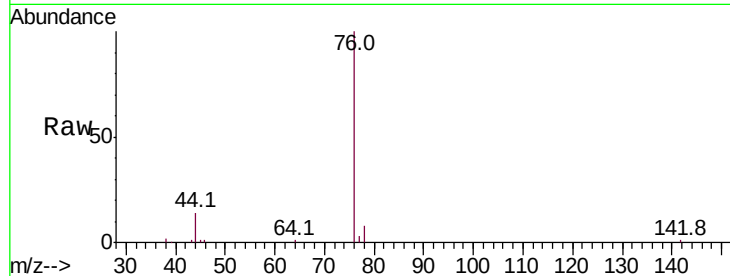




#17
Carbon Disulfide
Concen: 50.215 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

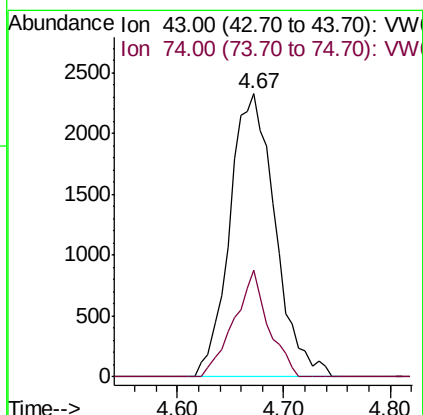
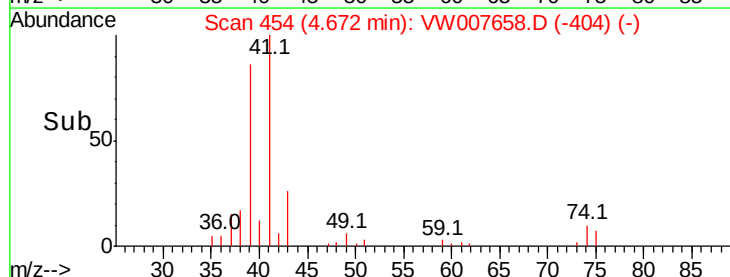
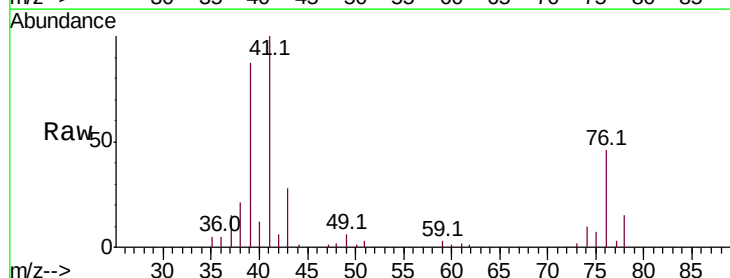
Instrument :
MSVOA_W
ClientSampleId :

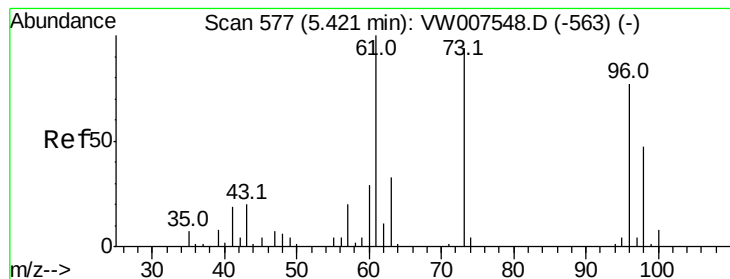
Tot Ion: 76 Resp: 50694
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7



#18
Methyl Acetate
Concen: 38.972 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 43 Resp: 6957
Ion Ratio Lower Upper
43 100
74 28.4 21.1 31.7



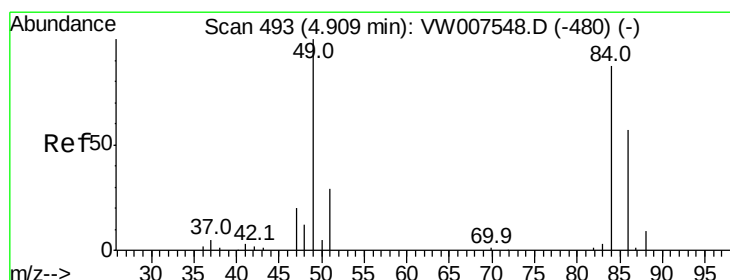
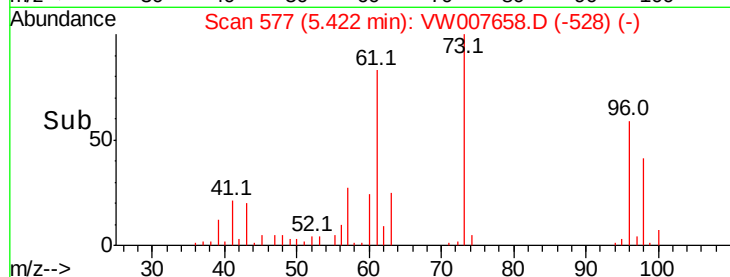
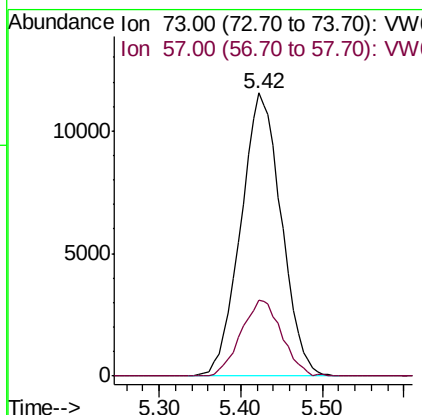
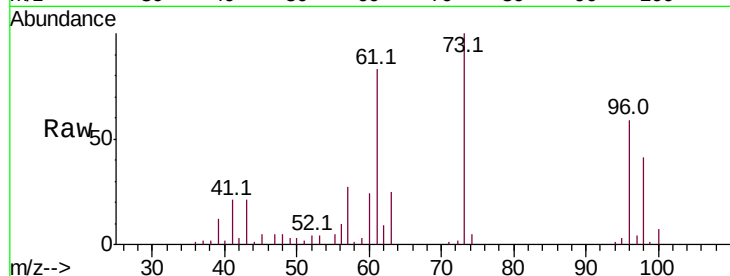


#19

Methyl tert-butyl Ether
 Concen: 79.370 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Instrument :
 MSVOA_W
 ClientSampled :

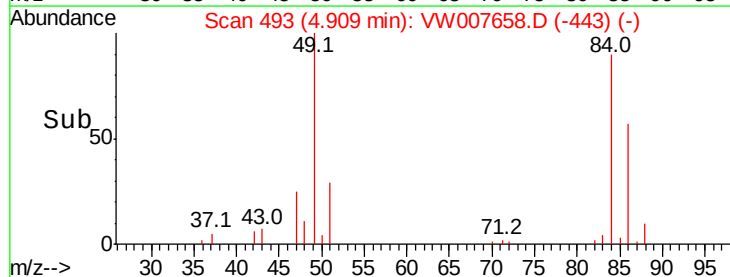
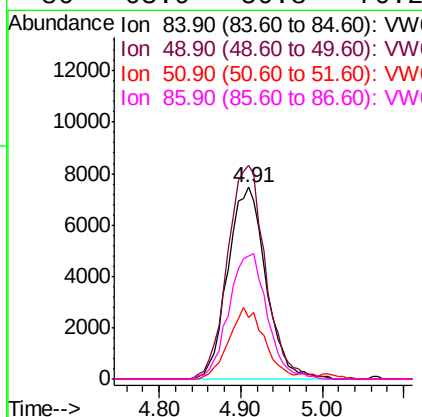
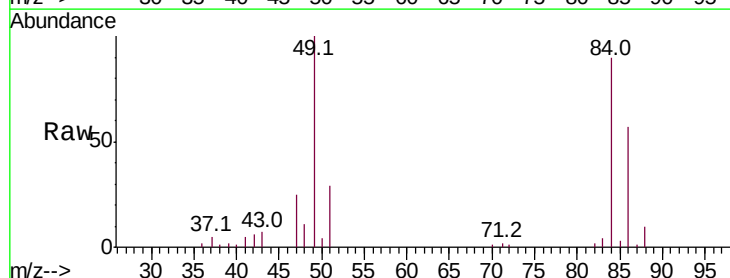
Tot Ion: 73 Resp: 39866
 Ion Ratio Lower Upper
 73 100
 57 26.9 16.4 24.6#

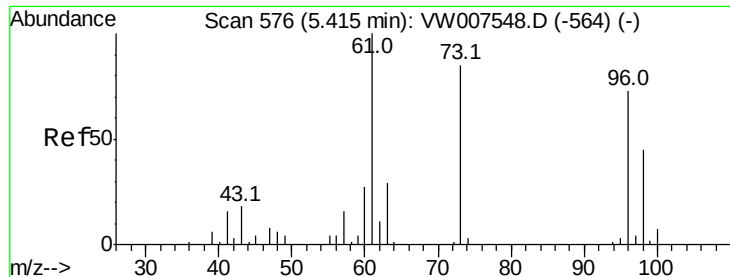


#20

Methylene Chloride
 Concen: 68.668 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Tgt Ion: 84 Resp: 24172
 Ion Ratio Lower Upper
 84 100
 49 111.5 87.1 130.7
 51 31.9 28.2 42.2
 86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 57.574 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

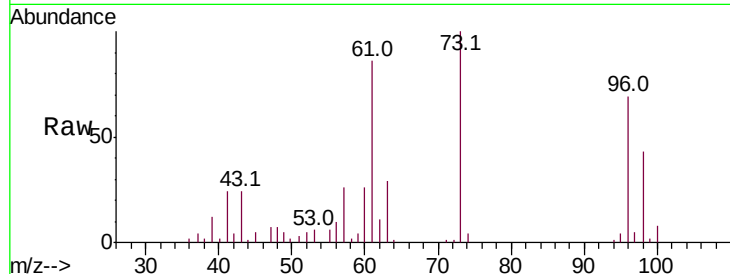
Tot Ion: 96 Resp: 21444

Ion Ratio Lower Upper

96 100

61 124.3 105.0 157.6

98 62.0 49.7 74.5

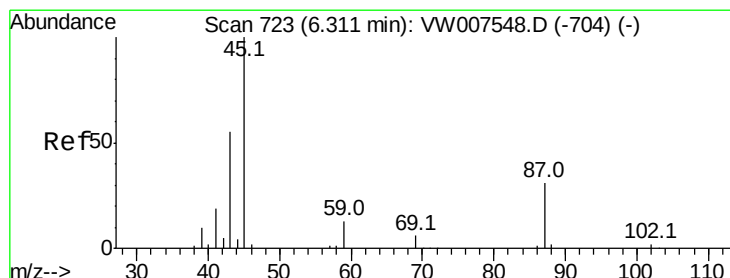
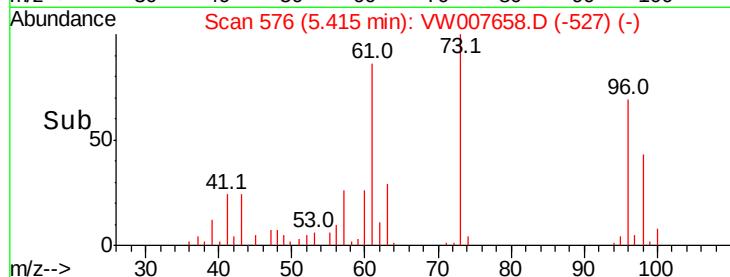
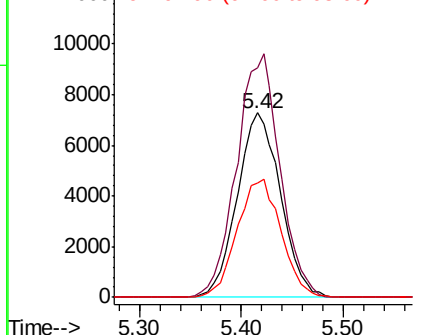


Abundance

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: 62.166 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Tgt Ion: 45 Resp: 58644

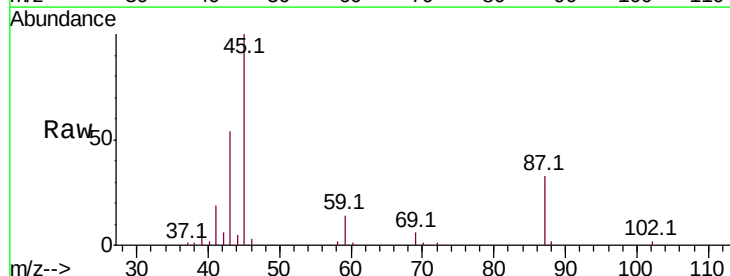
Ion Ratio Lower Upper

45 100

43 53.6 41.6 62.4

87 33.0 24.3 36.5

59 14.0 9.4 14.0



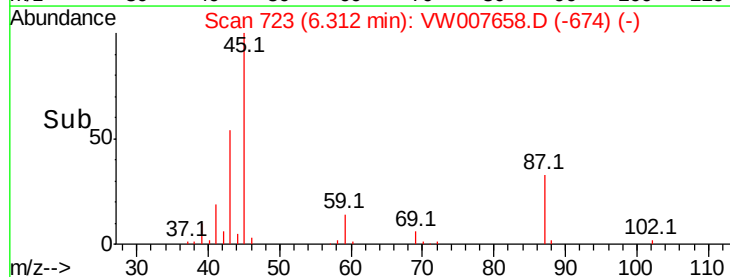
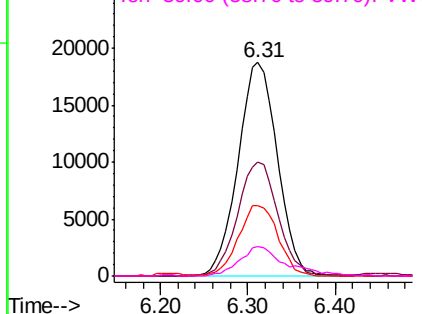
Abundance

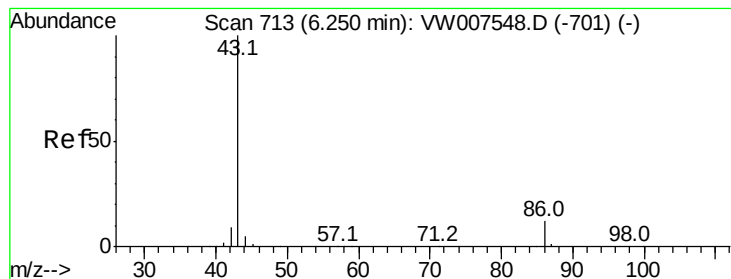
Ion 45.00 (44.70 to 45.70): VW

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: 60.818 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.06 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

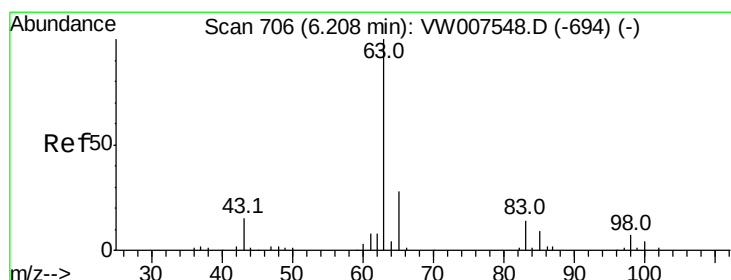
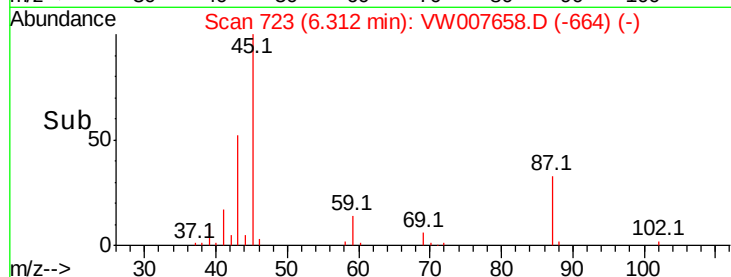
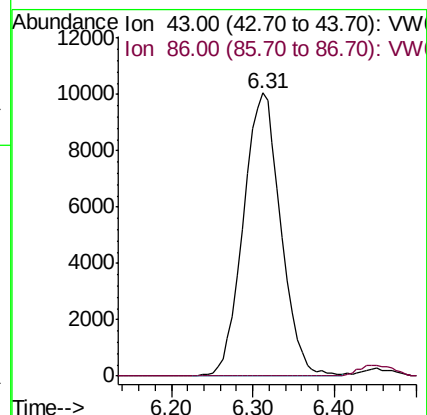
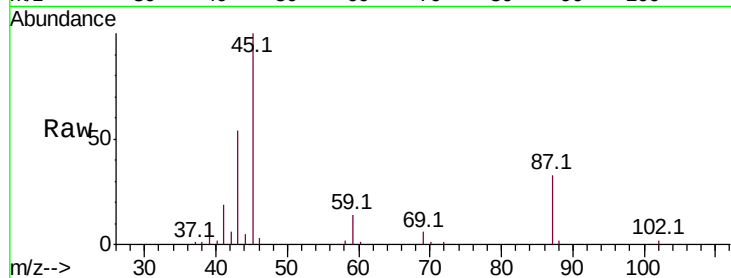
ClientSampleId :

Tot Ion: 43 Resp: 32090

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#



#24

1,1-Dichloroethane

Concen: 63.152 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

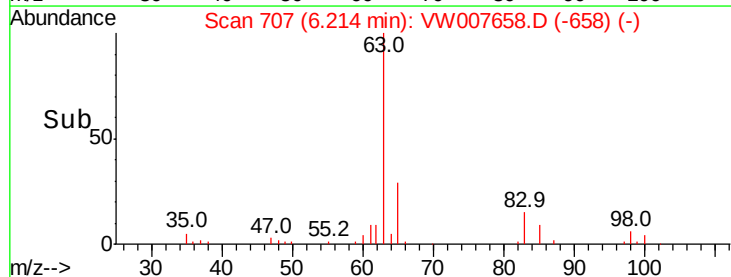
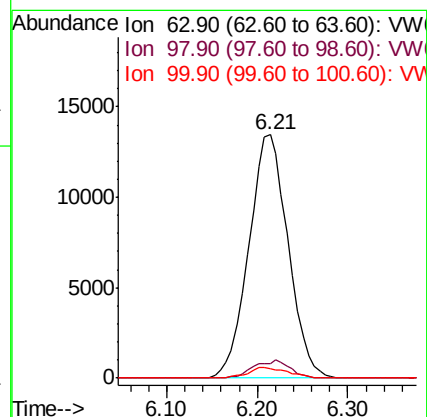
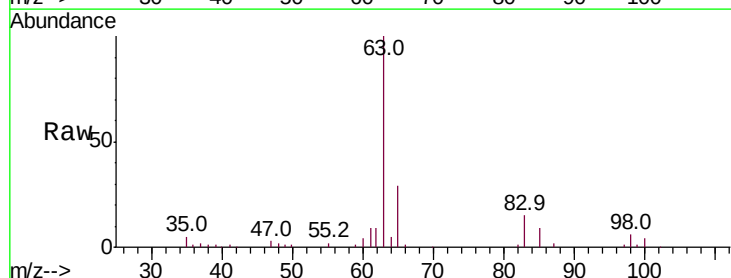
Tgt Ion: 63 Resp: 40264

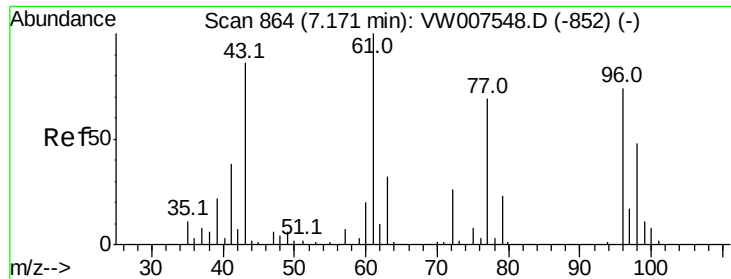
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.8 2.5 7.5





#25

2-Butanone

Concen: 375.588 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

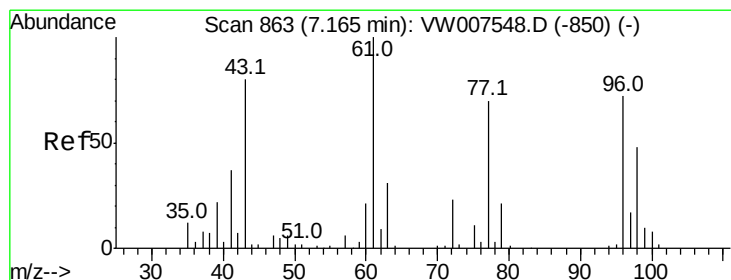
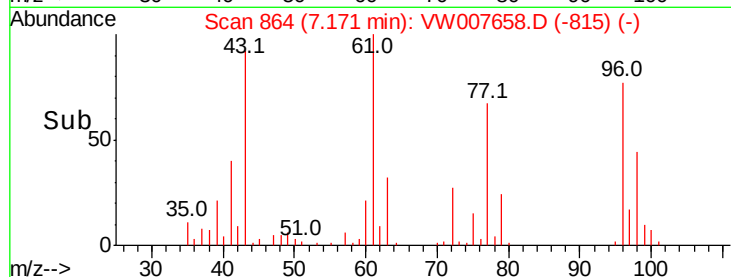
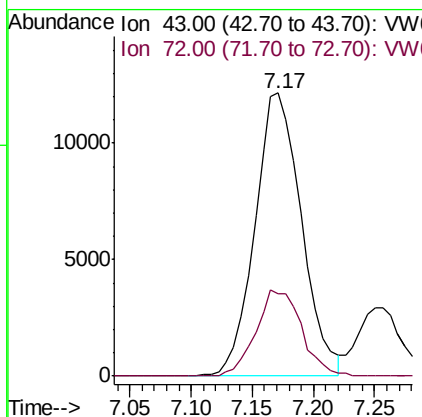
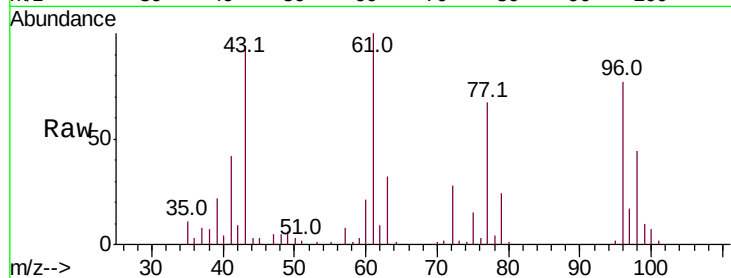
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 32250

Ion Ratio Lower Upper

43 100

72 29.2 23.4 35.2



#26

2,2-Dichloropropane

Concen: 68.135 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007658.D

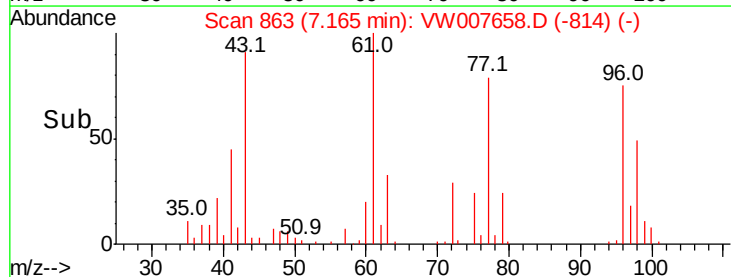
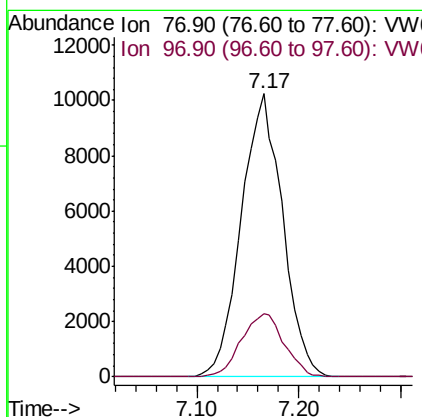
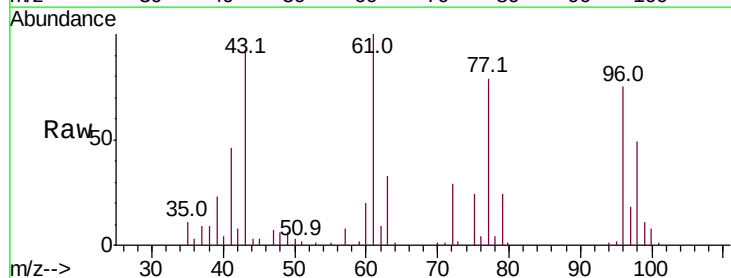
Acq: 18 Dec 2018 15:09

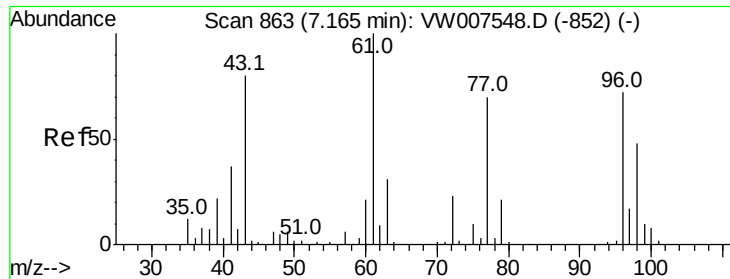
Tgt Ion: 77 Resp: 28750

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8



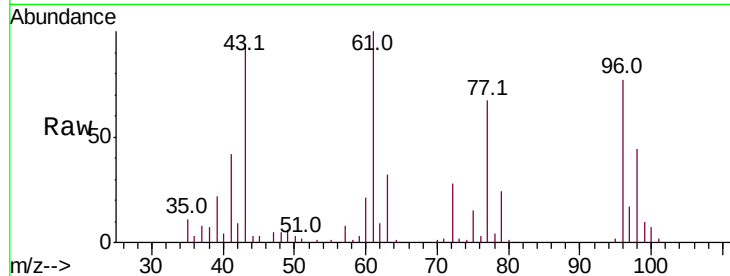


#27

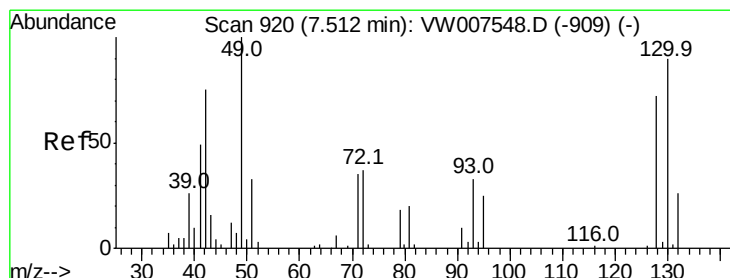
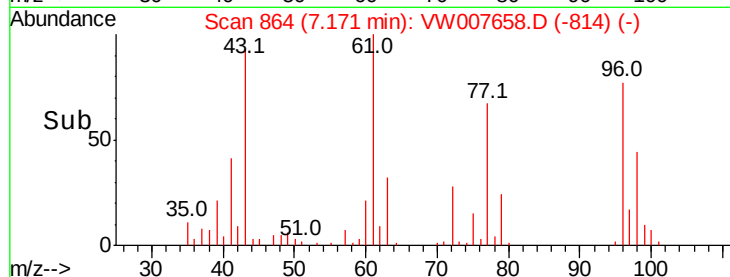
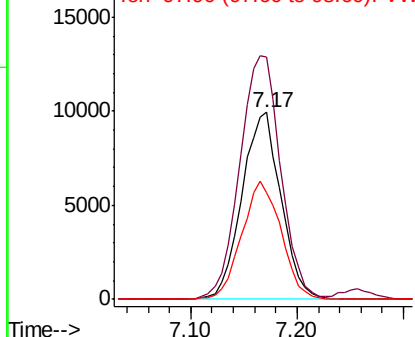
cis-1,2-Dichloroethene
Concen: 62.806 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 25614
Ion Ratio Lower Upper
96 100
61 136.5 0.0 268.4
98 63.5 0.0 127.8



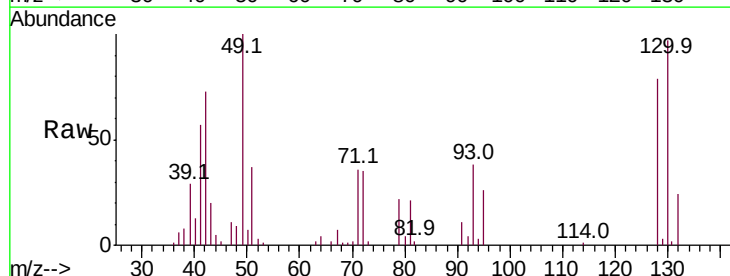
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



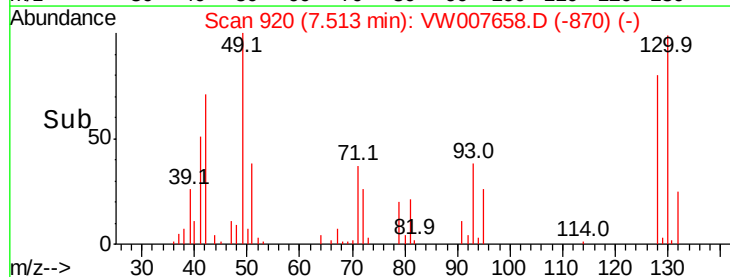
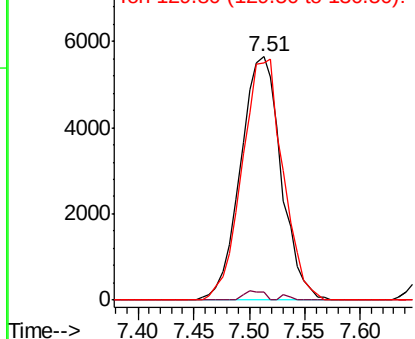
#28

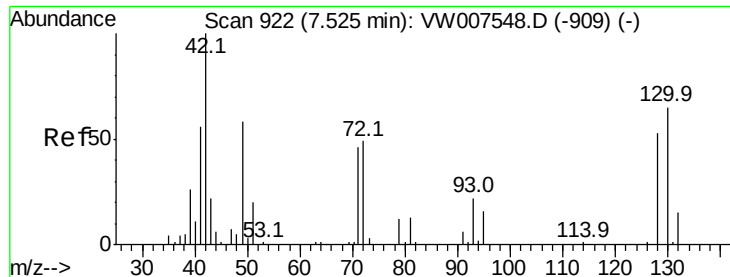
Bromochloromethane
Concen: 59.800 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 49 Resp: 14341
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.6
130 99.3 75.9 113.9



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: 321.422 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

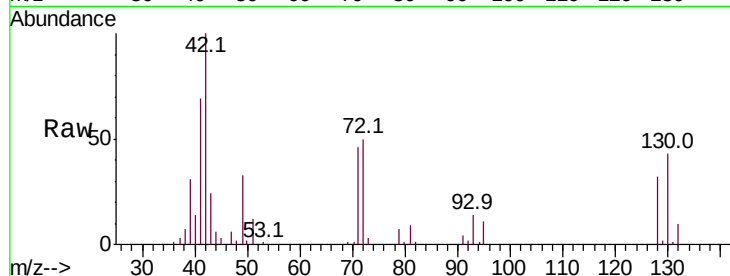
Tot Ion: 42 Resp: 17472

Ion Ratio Lower Upper

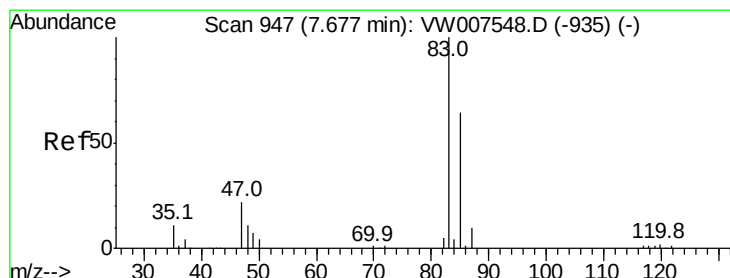
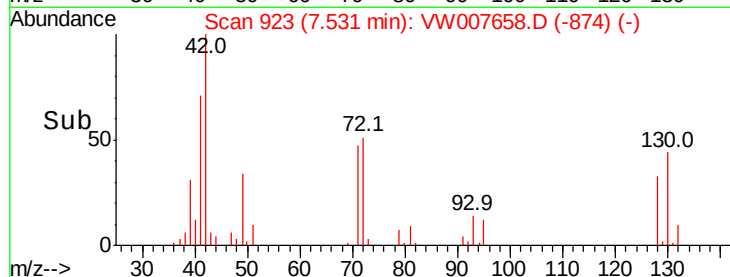
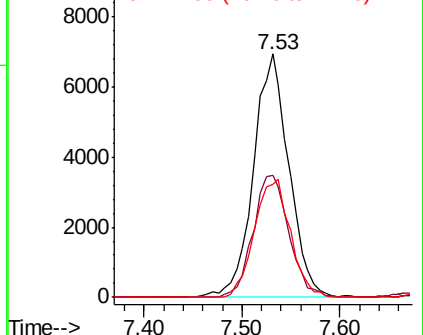
42 100

72 50.6 38.2 57.4

71 49.3 35.5 53.3



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



#30

Chloroform

Concen: 64.408 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007658.D

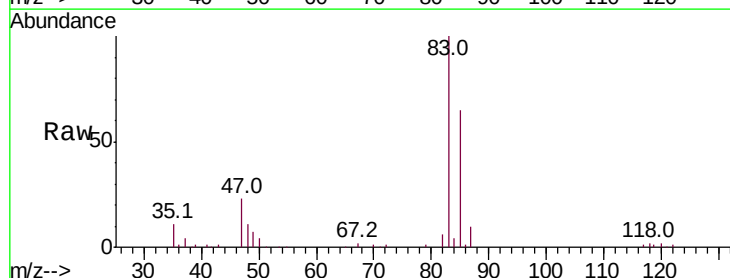
Acq: 18 Dec 2018 15:09

Tgt Ion: 83 Resp: 44688

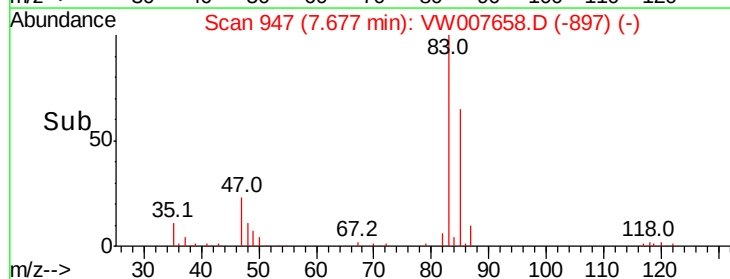
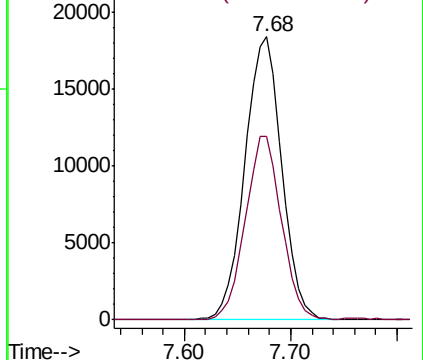
Ion Ratio Lower Upper

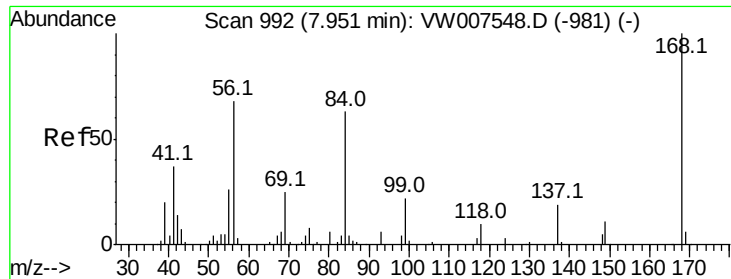
83 100

85 64.8 51.8 77.8



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

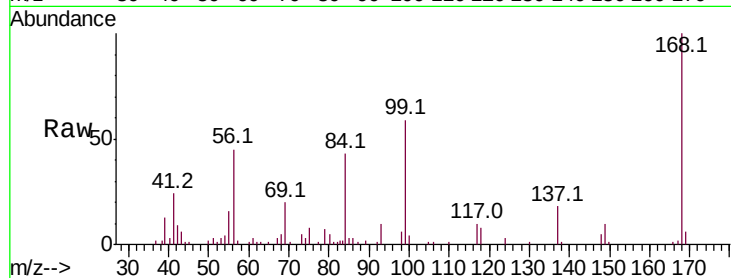




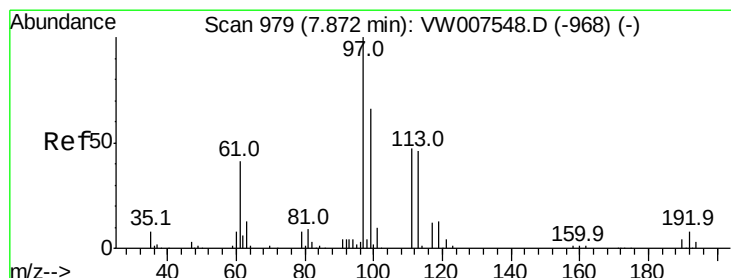
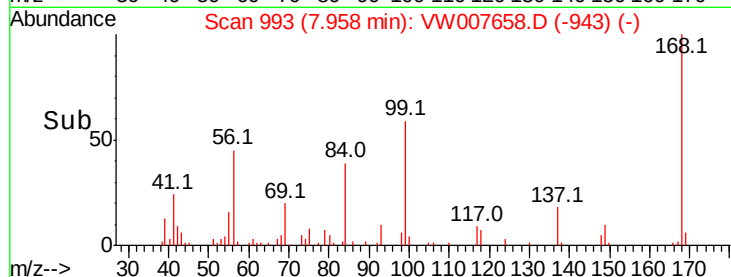
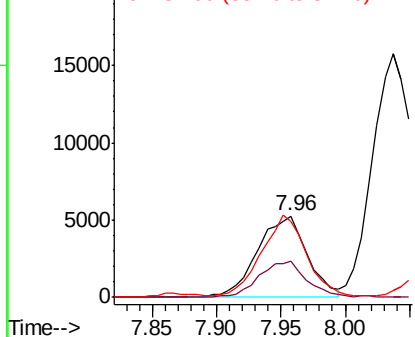
#31
Cyclohexane
Concen: 24.111 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 14104
Ion Ratio Lower Upper
56 100
69 45.0 28.9 43.3#
84 90.0 71.8 107.6

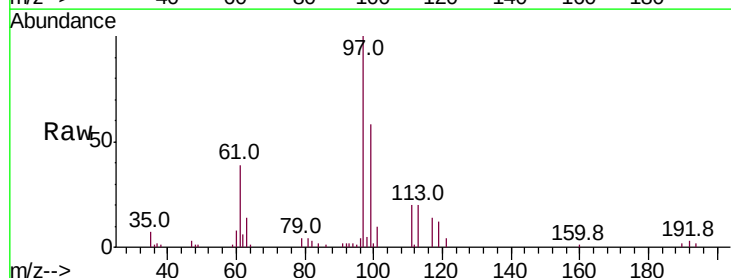


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

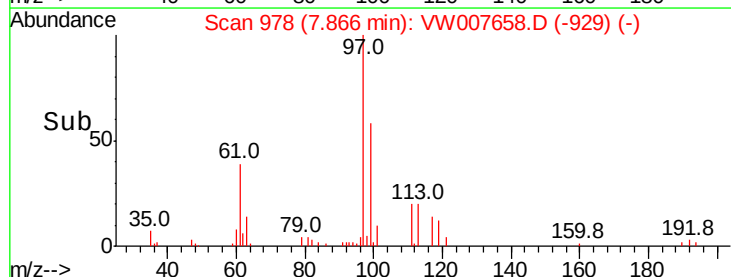
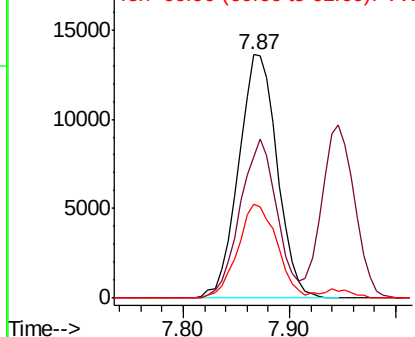


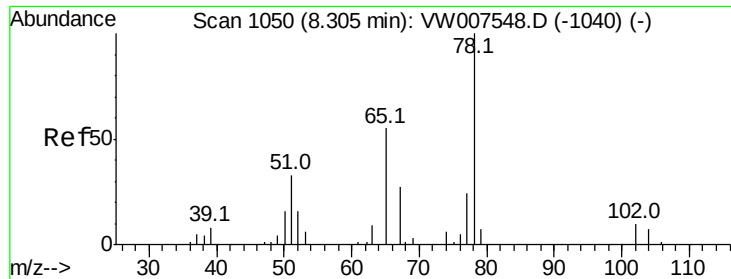
#32
1,1,1-Trichloroethane
Concen: 56.868 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 97 Resp: 34601
Ion Ratio Lower Upper
97 100
99 62.3 51.1 76.7
61 39.5 33.2 49.8



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

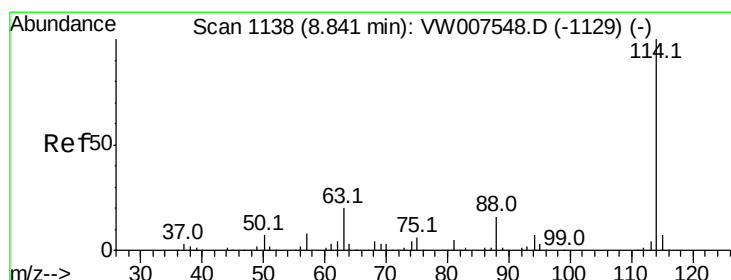
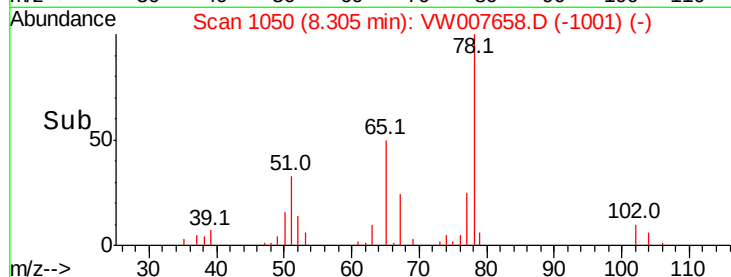
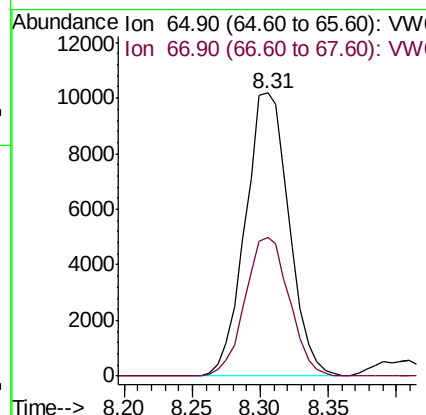
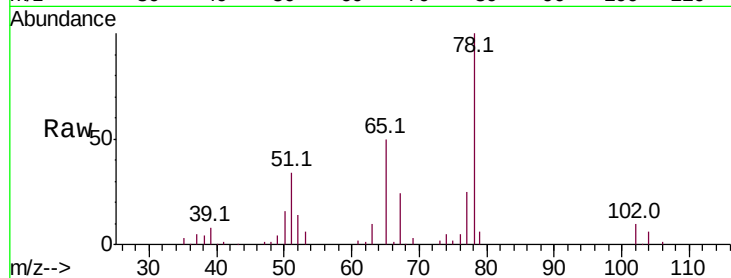




#33
 1,2-Dichloroethane-d4
 Concen: 60.877 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

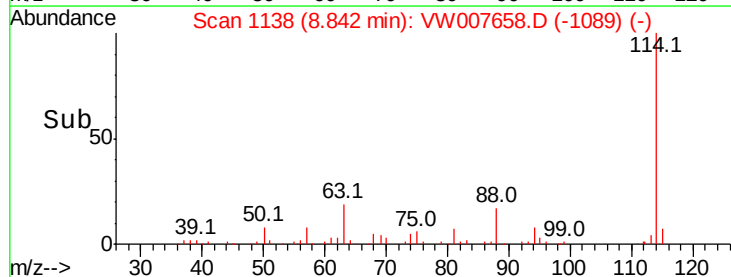
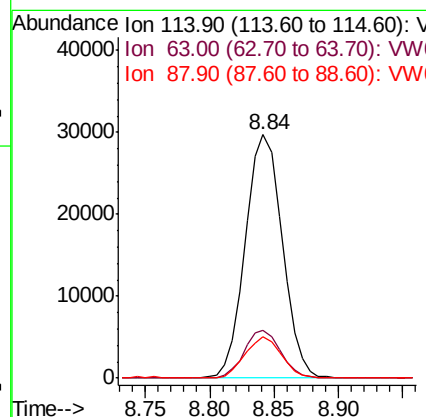
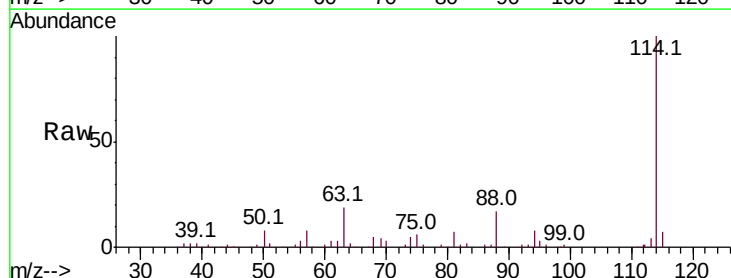
Instrument :
 MSVOA_W
 ClientSampleId :

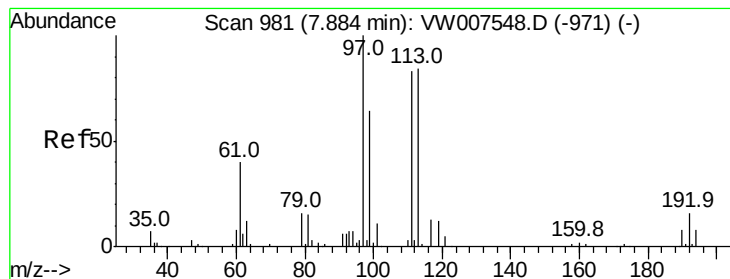
Tot Ion: 65 Resp: 22923
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Tgt Ion: 114 Resp: 59087
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 31.559 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

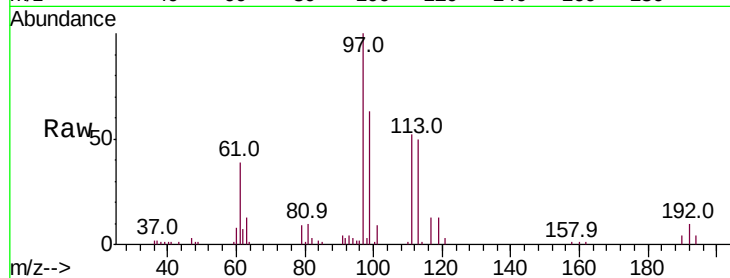
Tot Ion:113 Resp: 11288

Ion Ratio Lower Upper

113 100

111 104.3 81.1 121.7

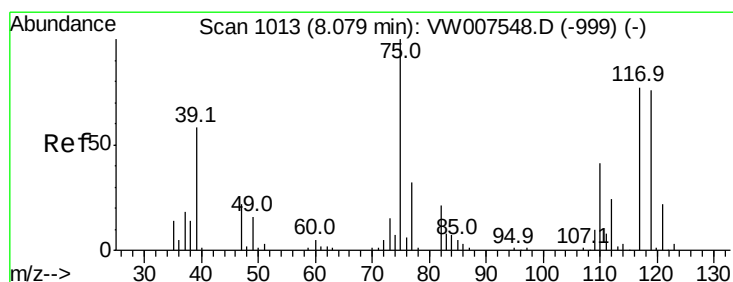
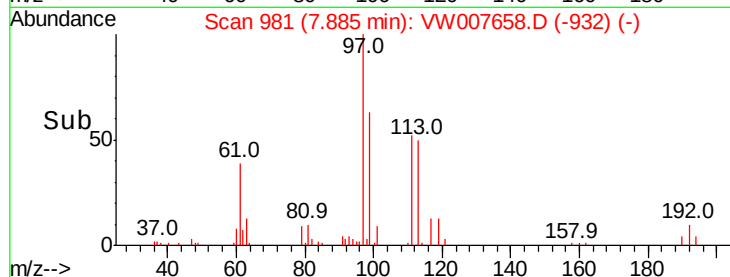
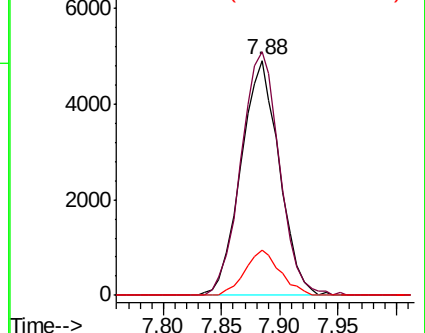
192 17.6 14.6 21.8



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: 44.057 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

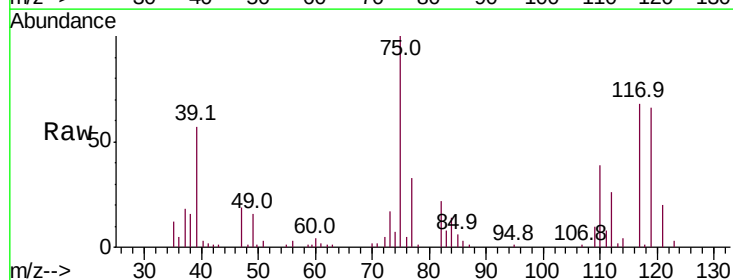
Tgt Ion: 75 Resp: 23747

Ion Ratio Lower Upper

75 100

110 39.3 18.5 55.5

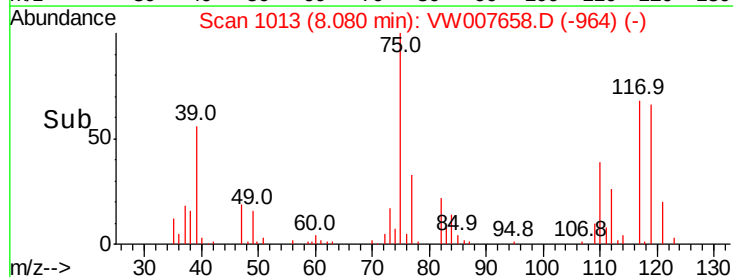
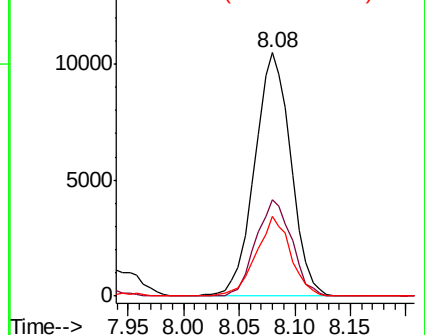
77 31.1 25.6 38.4

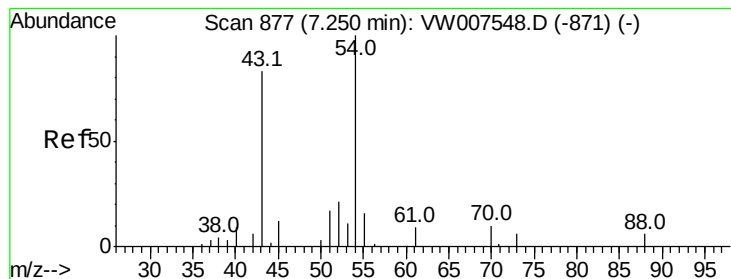


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 37.984 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

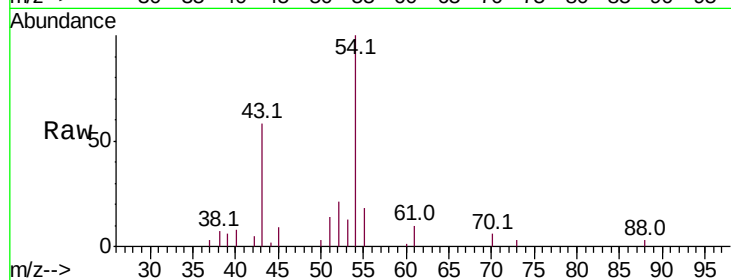
Tot Ion: 43 Resp: 7615

Ion Ratio Lower Upper

43 100

61 15.3 12.1 18.1

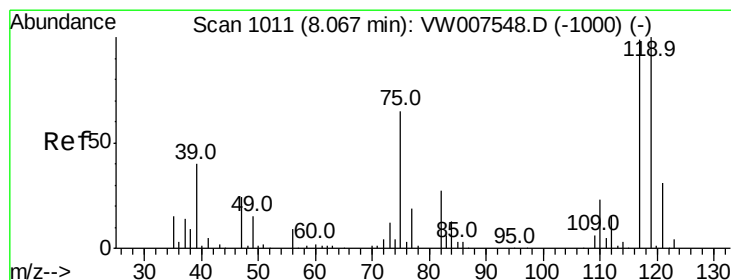
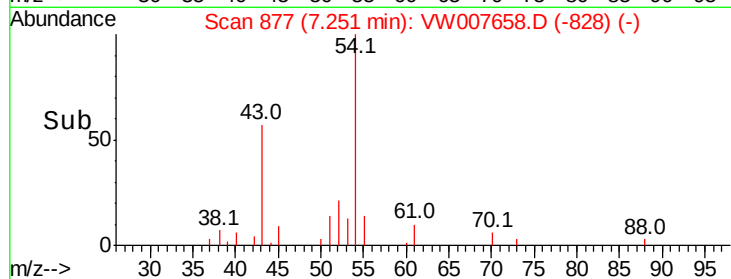
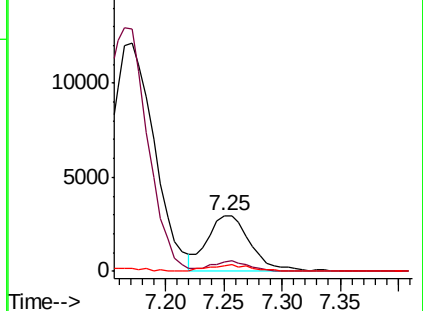
70 11.8 10.0 15.0



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: 43.718 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

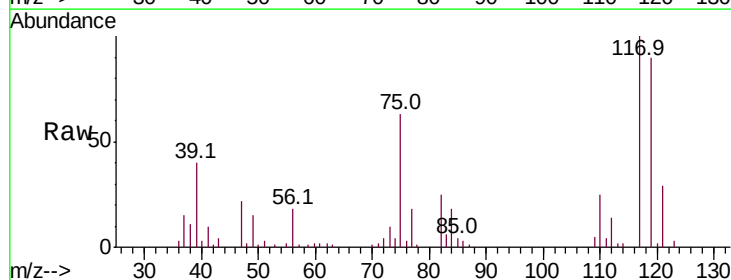
Tgt Ion: 117 Resp: 25640

Ion Ratio Lower Upper

117 100

119 89.9 74.3 111.5

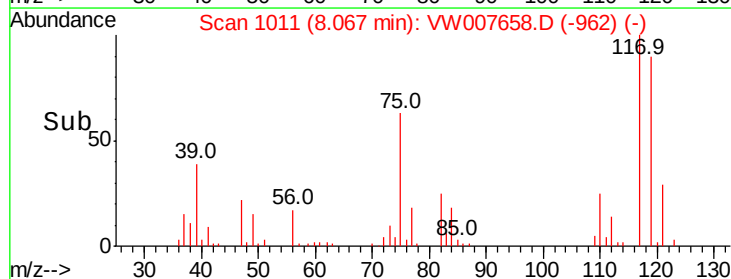
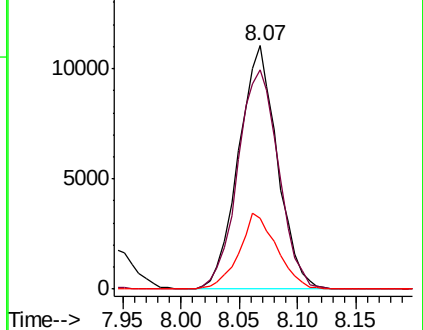
121 29.1 24.3 36.5

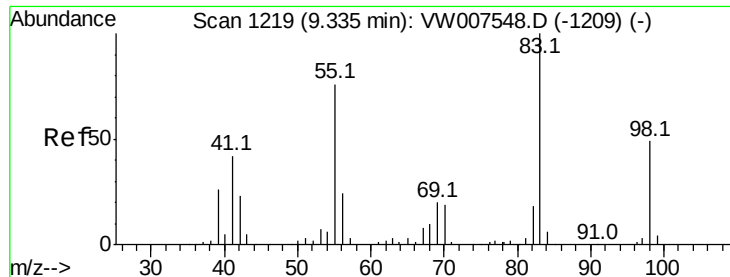


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 16.496 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

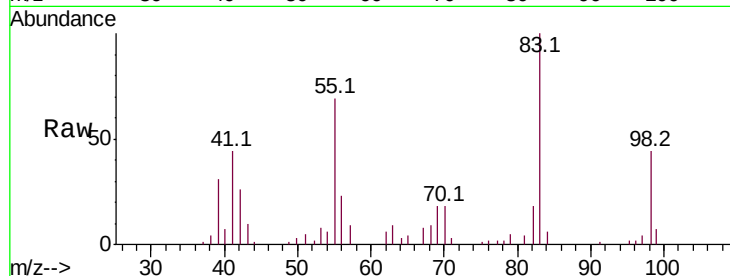
Tot Ion: 83 Resp: 10767

Ion Ratio Lower Upper

83 100

55 67.6 62.8 94.2

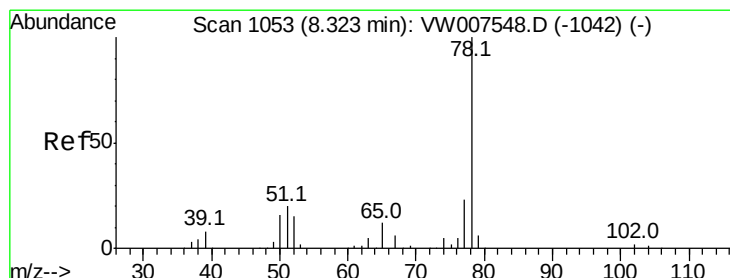
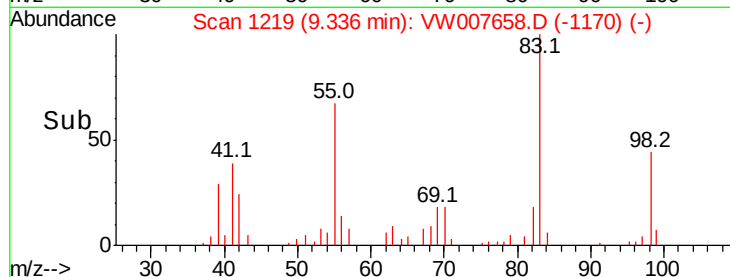
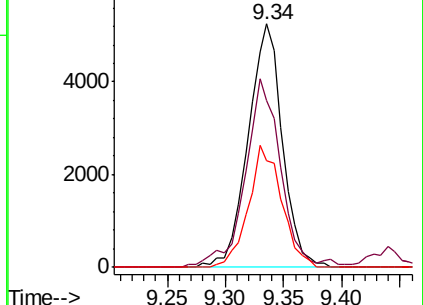
98 43.7 42.2 63.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 59.225 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007658.D

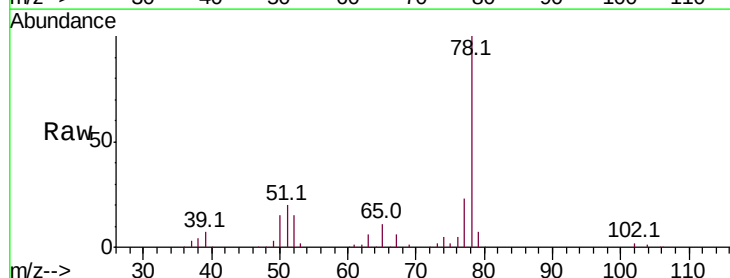
Acq: 18 Dec 2018 15:09

Tgt Ion: 78 Resp: 88592

Ion Ratio Lower Upper

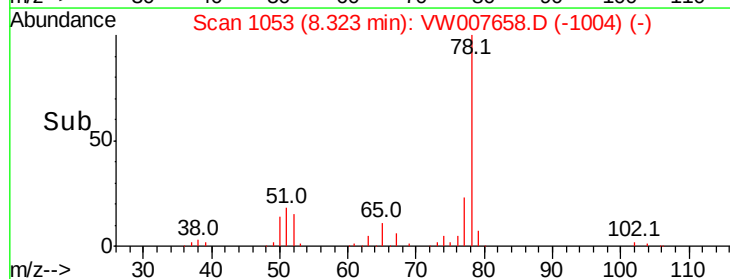
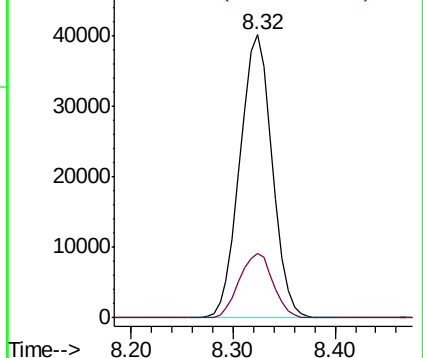
78 100

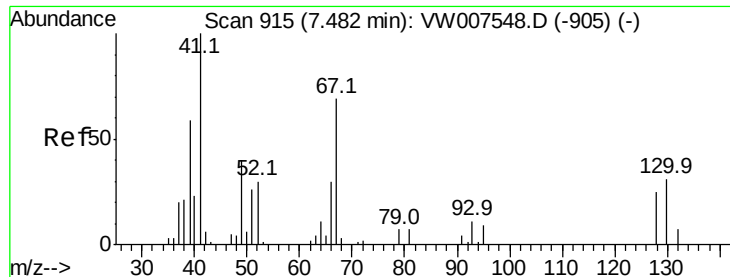
77 23.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 64.986 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 7419

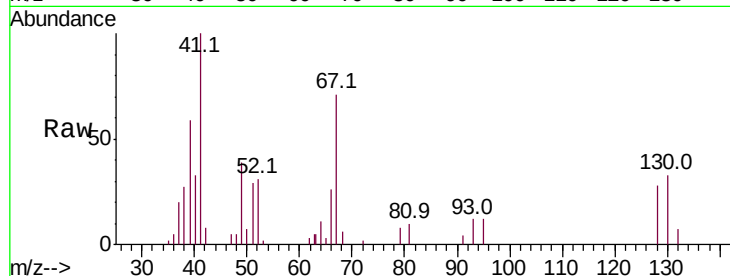
Ion Ratio Lower Upper

41 100

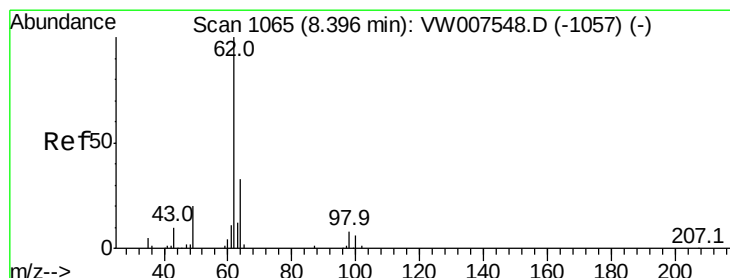
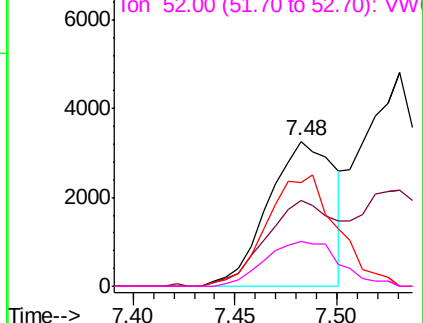
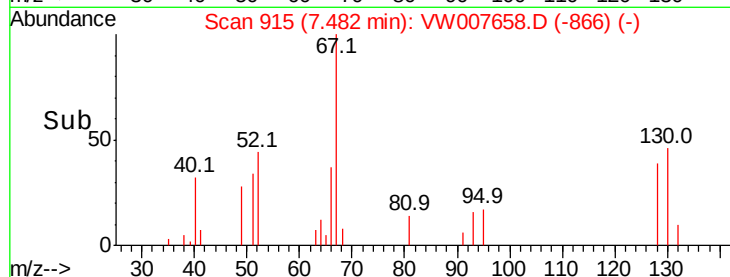
39 60.1 52.2 78.2

67 80.8 60.5 90.7

52 35.2 25.3 37.9



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



#42

1,2-Dichloroethane

Concen: 66.554 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007658.D

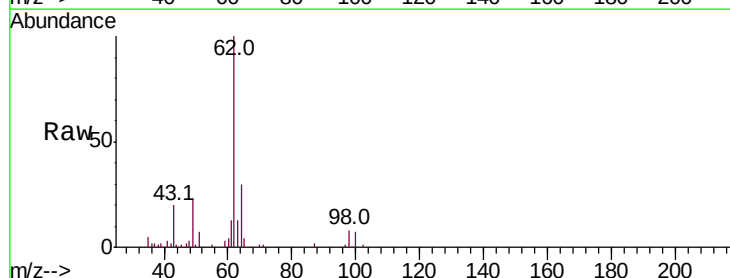
Acq: 18 Dec 2018 15:09

Tgt Ion: 62 Resp: 31273

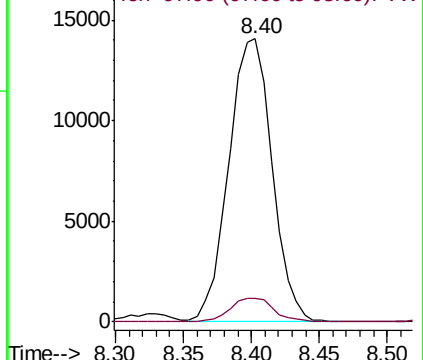
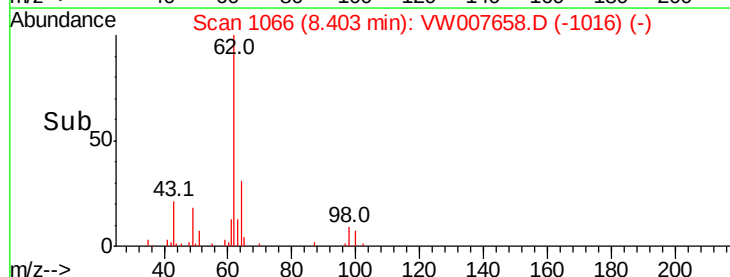
Ion Ratio Lower Upper

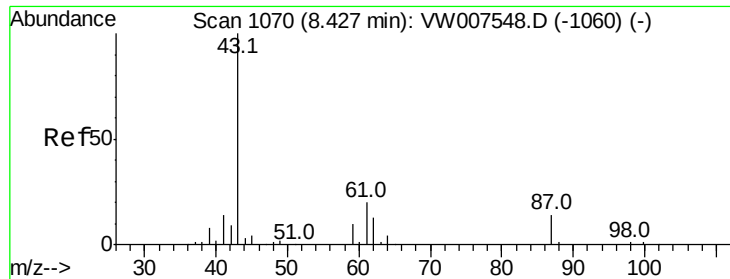
62 100

98 8.6 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 60.860 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

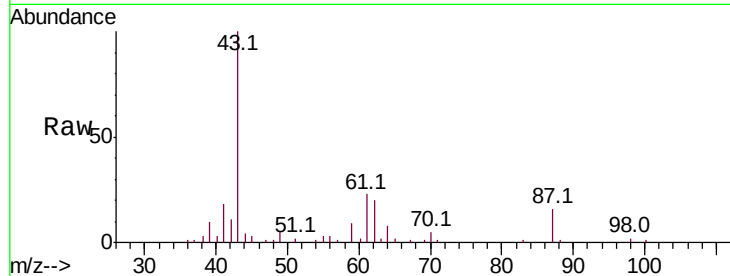
Tot Ion: 43 Resp: 24101

Ion Ratio Lower Upper

43 100

61 31.3 25.3 37.9

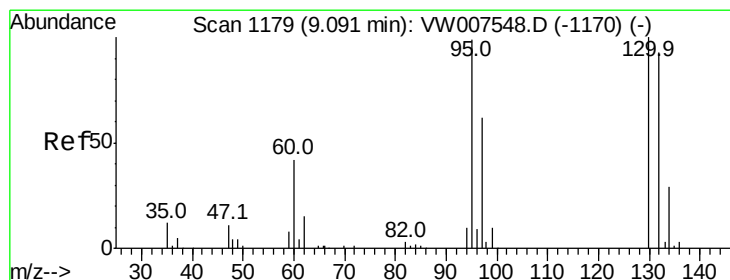
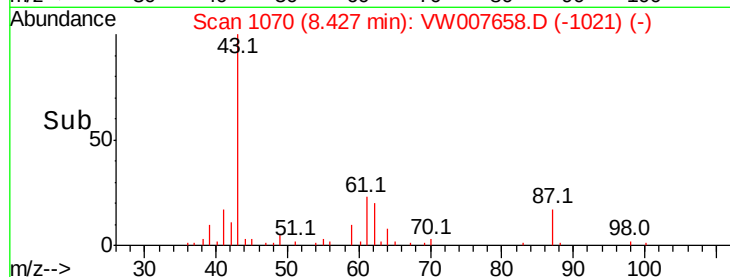
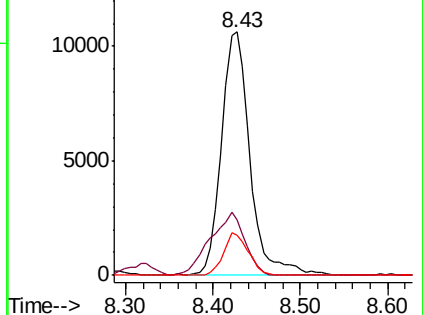
87 15.1 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 92.096 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007658.D

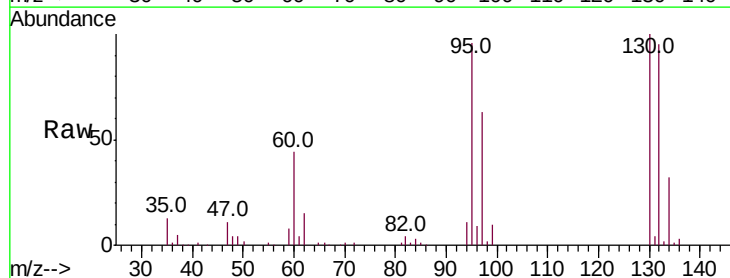
Acq: 18 Dec 2018 15:09

Tgt Ion:130 Resp: 39339

Ion Ratio Lower Upper

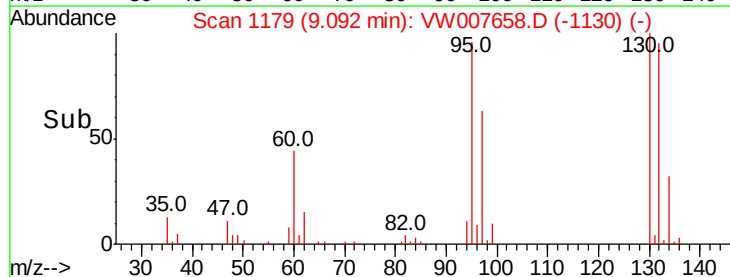
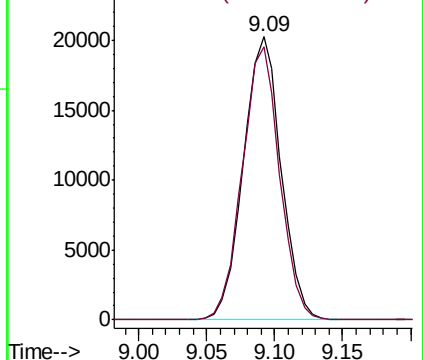
130 100

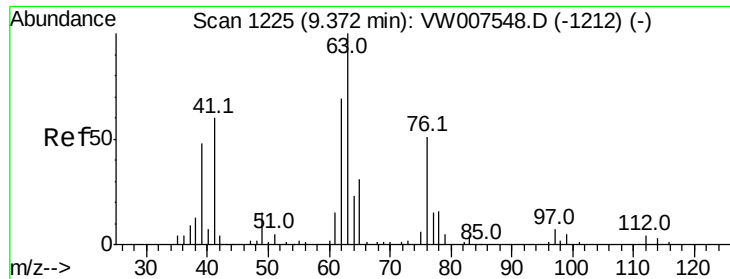
95 96.5 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 58.791 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

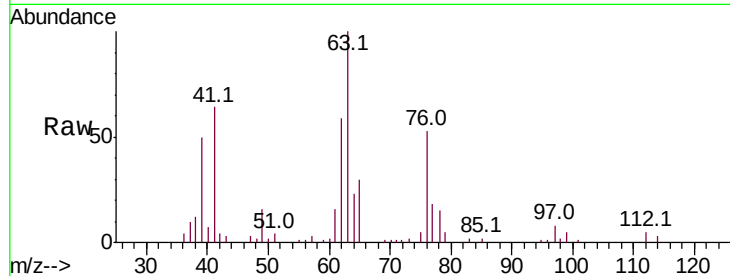
ClientSampled :

Tot Ion: 63 Resp: 20351

Ion Ratio Lower Upper

63 100

65 29.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

12000

10000

8000

6000

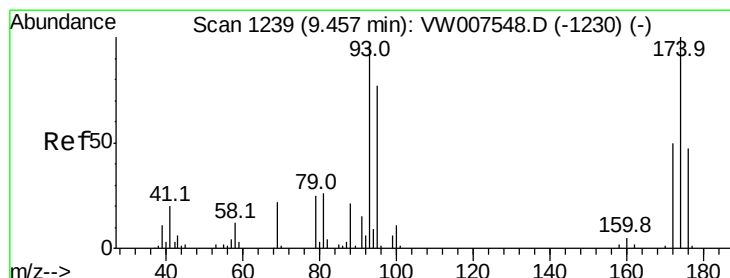
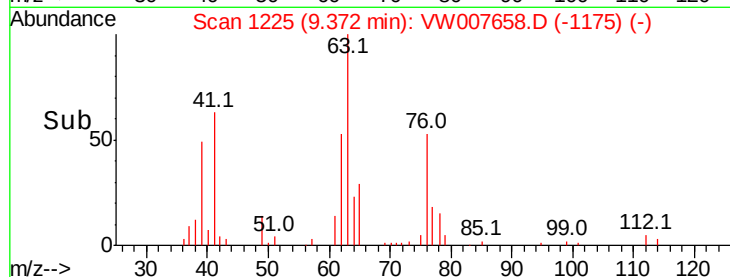
4000

2000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 64.799 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

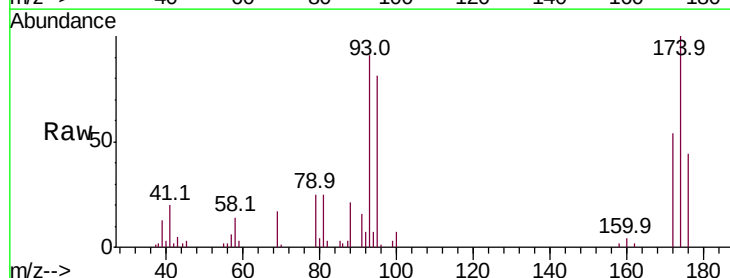
Tgt Ion: 93 Resp: 12738

Ion Ratio Lower Upper

93 100

95 84.0 68.0 102.0

174 101.8 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

8000

6000

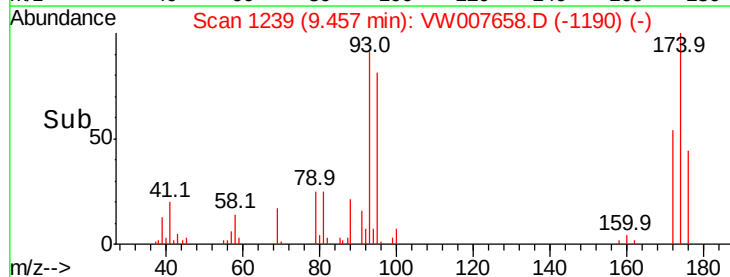
4000

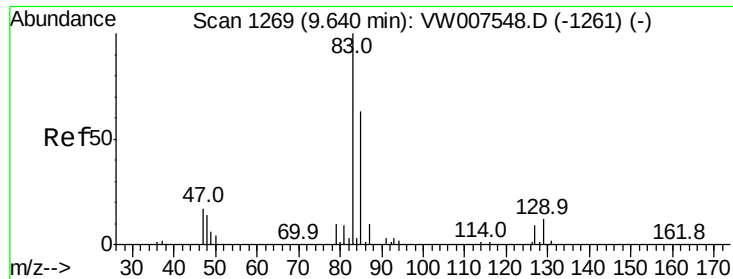
2000

0

Time-->

9.40 9.45 9.50





#47

Bromodichloromethane

Concen: 61.511 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

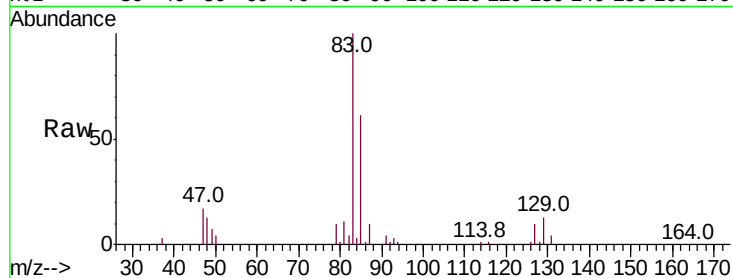
Tot Ion: 83 Resp: 31717

Ion Ratio Lower Upper

83 100

85 60.9 47.6 71.4

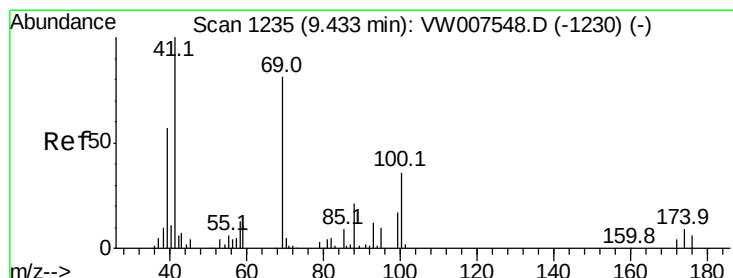
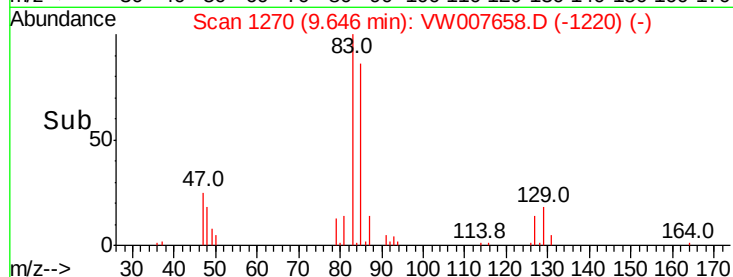
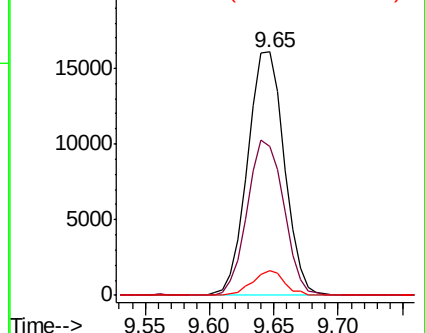
127 10.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 48.092 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

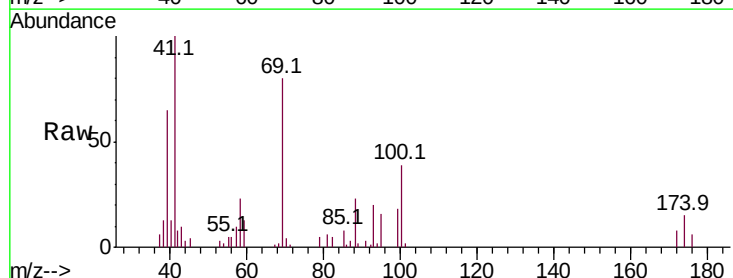
Tgt Ion: 41 Resp: 9781

Ion Ratio Lower Upper

41 100

69 88.9 69.8 104.8

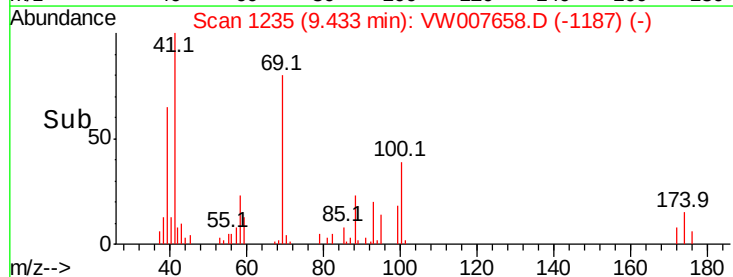
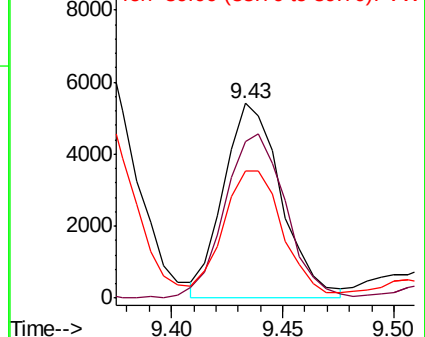
39 68.1 50.9 76.3

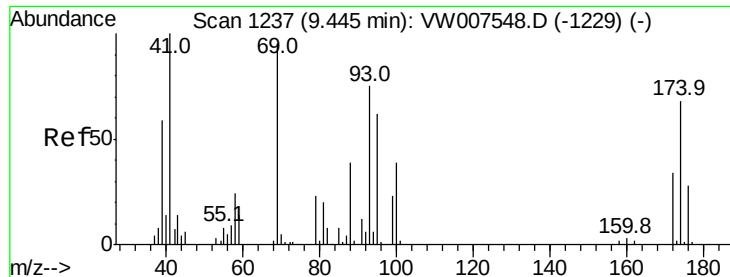


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1389.825 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :

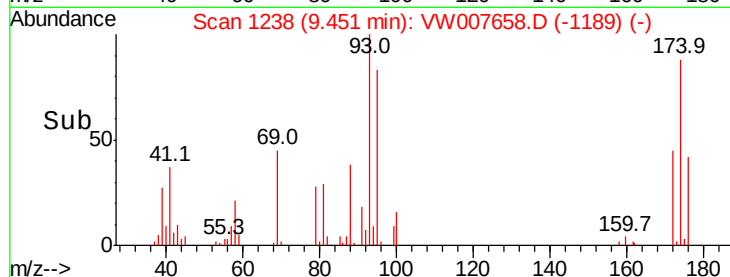
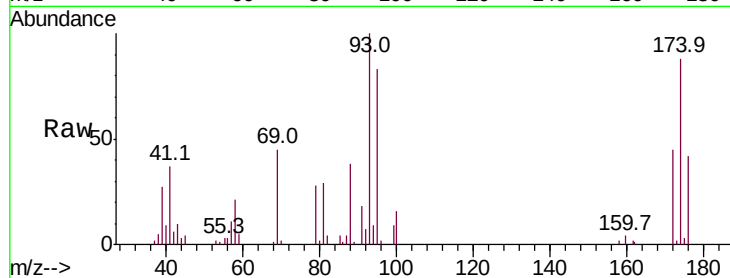
Tot Ion: 88 Resp: 4433

Ion Ratio Lower Upper

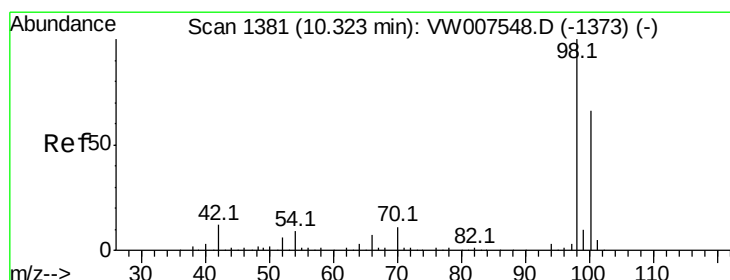
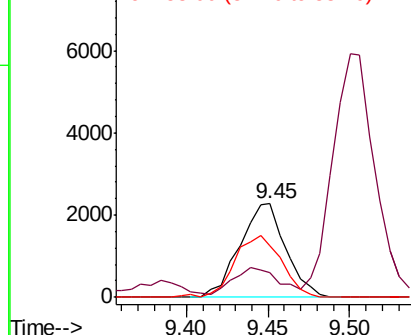
88 100

43 27.3 25.0 37.4

58 67.5 51.4 77.2



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



#50

Toluene-d8

Concen: 41.269 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007658.D

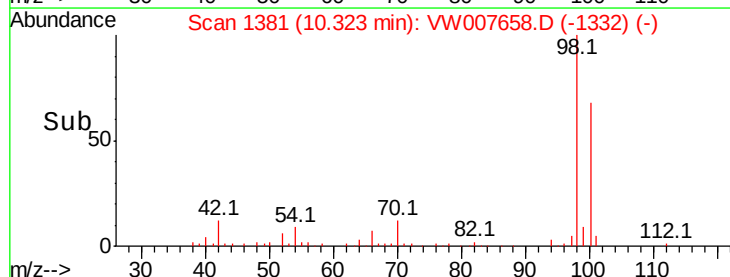
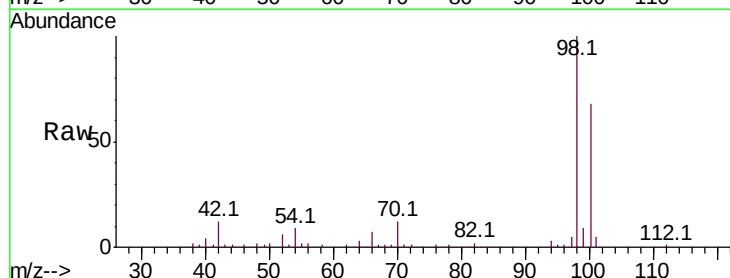
Acq: 18 Dec 2018 15:09

Tgt Ion: 98 Resp: 55345

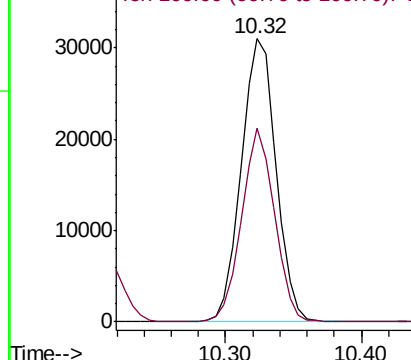
Ion Ratio Lower Upper

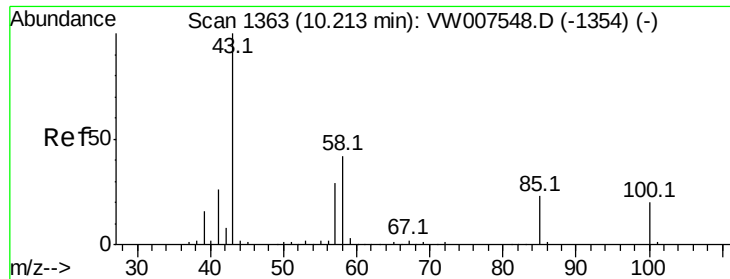
98 100

100 64.6 51.8 77.8



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

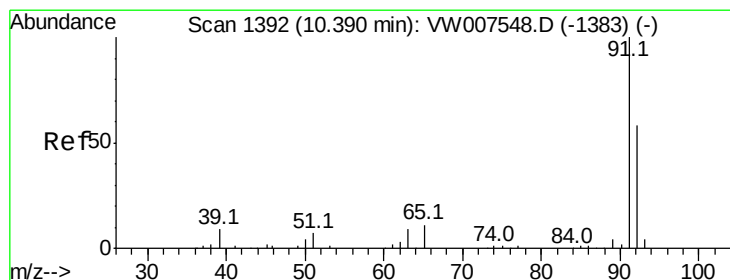
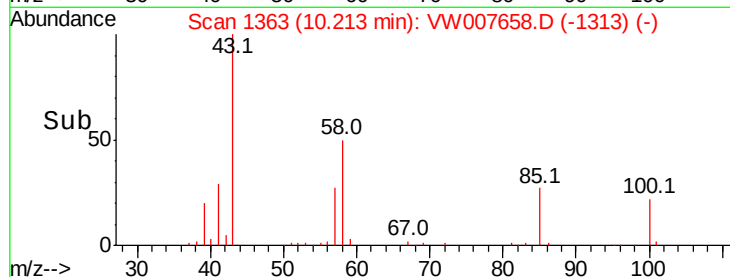
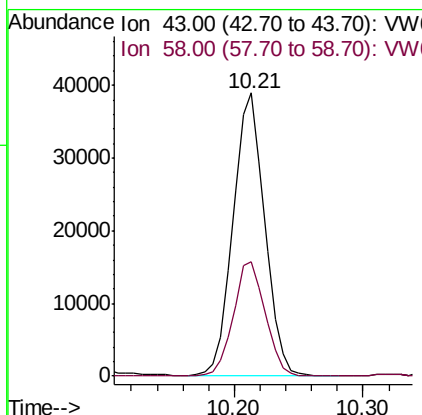
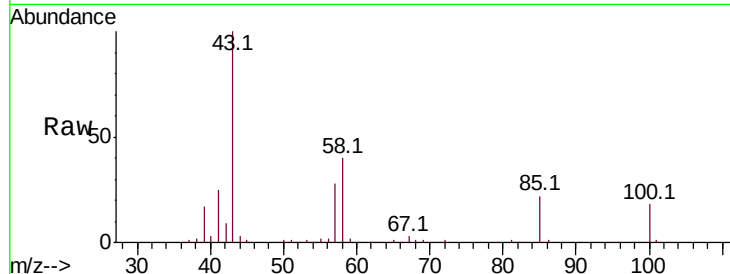




#51
4-Methyl-2-Pentanone
Concen: 356.118 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

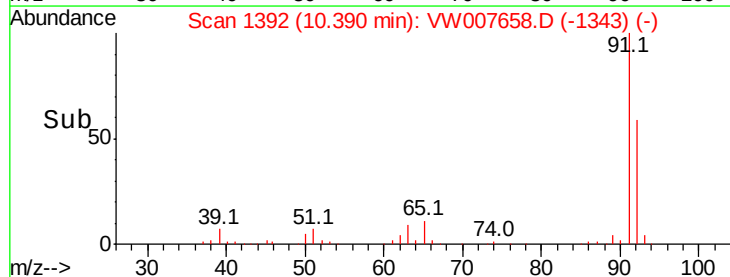
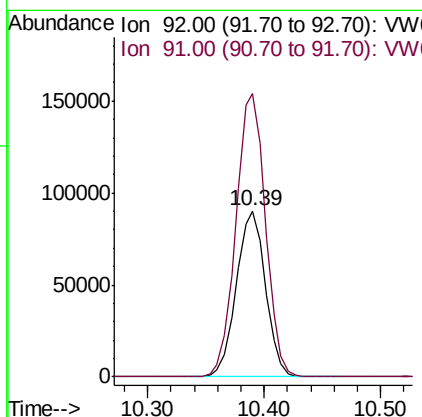
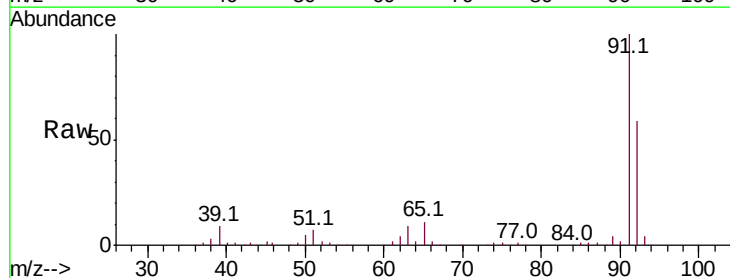
Instrument :
MSVOA_W
ClientSampled :

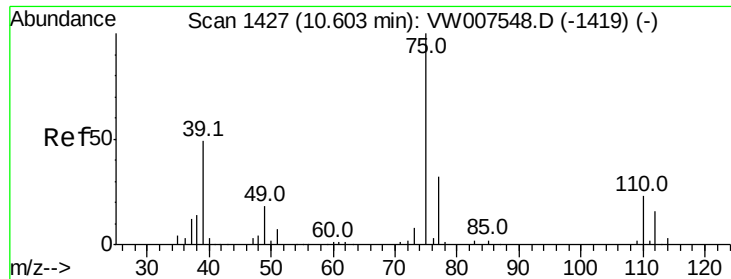
Tot Ion: 43 Resp: 66634
Ion Ratio Lower Upper
43 100
58 40.6 33.1 49.7



#52
Toluene
Concen: 162.560 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 92 Resp: 157364
Ion Ratio Lower Upper
92 100
91 172.6 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 61.947 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

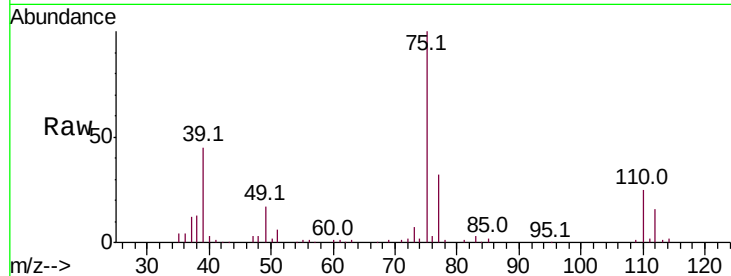
ClientSampleId :

Tot Ion: 75 Resp: 31010

Ion Ratio Lower Upper

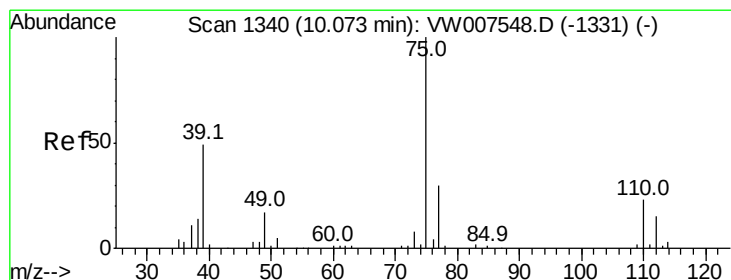
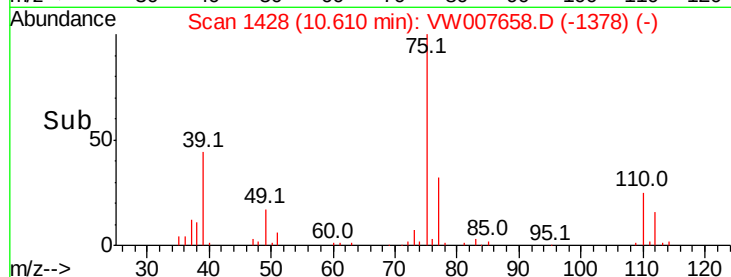
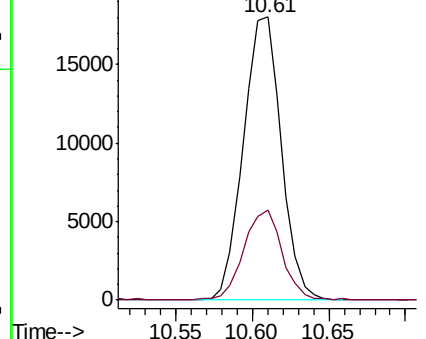
75 100

77 31.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 57.703 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

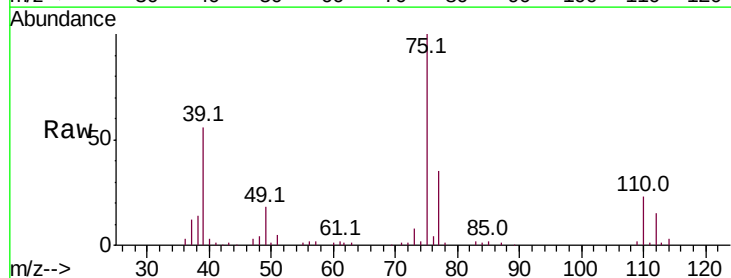
Tgt Ion: 75 Resp: 33392

Ion Ratio Lower Upper

75 100

77 34.7 24.8 37.2

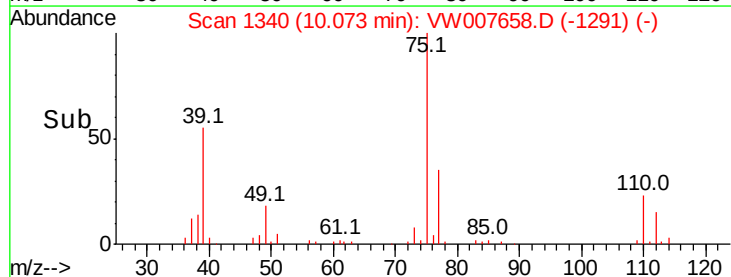
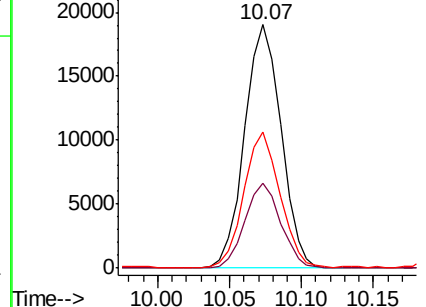
39 56.1 40.9 61.3

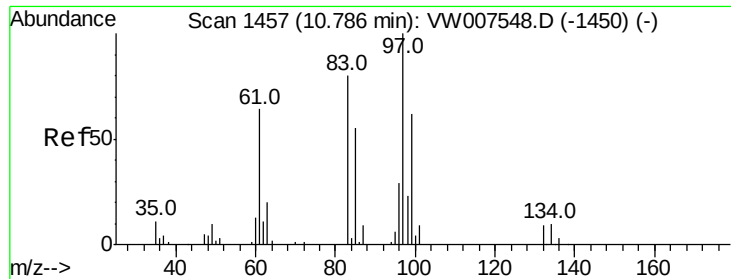


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

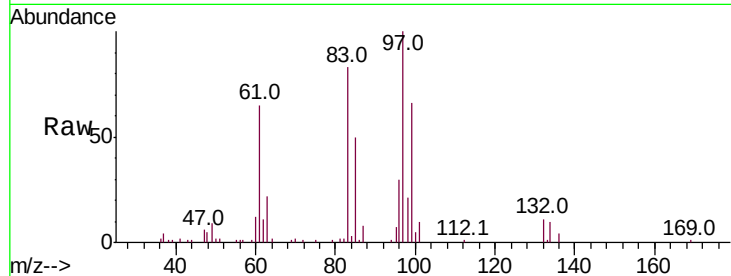




#55
 1,1,2-Trichloroethane
 Concen: 65.272 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	17463
Ion	Ratio	Lower	Upper
97	100		
83	83.2	62.1	93.1
85	49.6	44.2	66.4
99	66.0	50.2	75.4



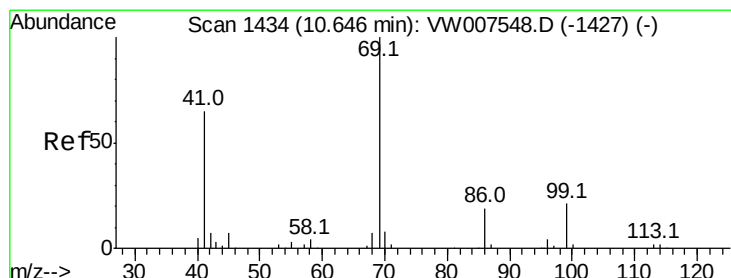
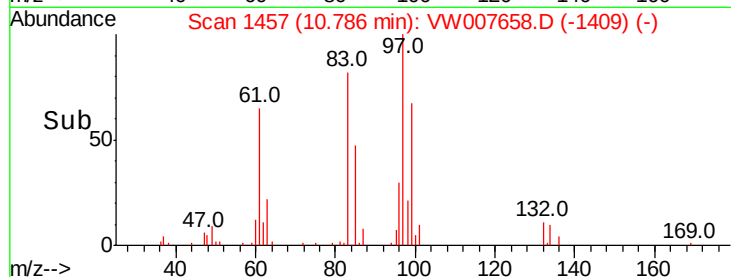
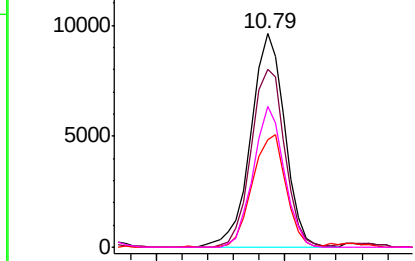
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

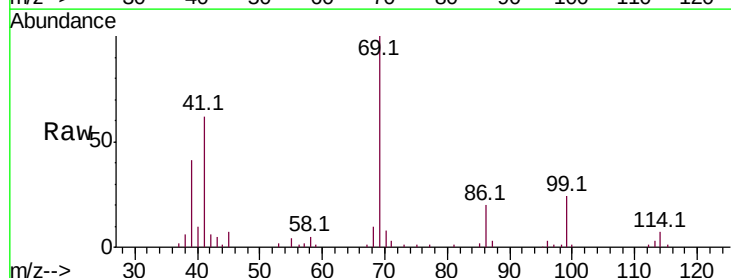
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 55.293 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Tgt Ion:	69	Resp:	17781
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.6
39	39.0	30.8	46.2

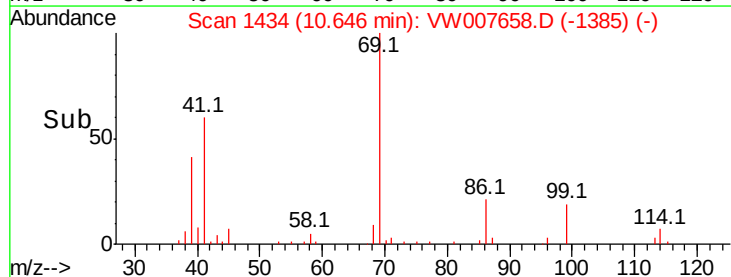
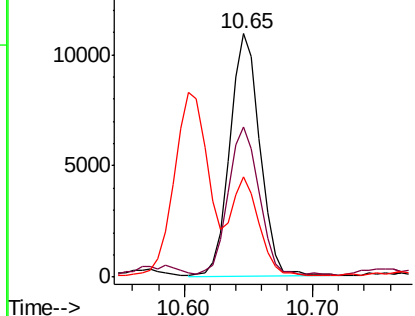


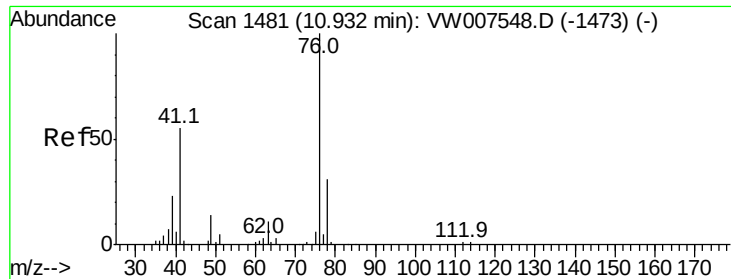
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 64.085 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

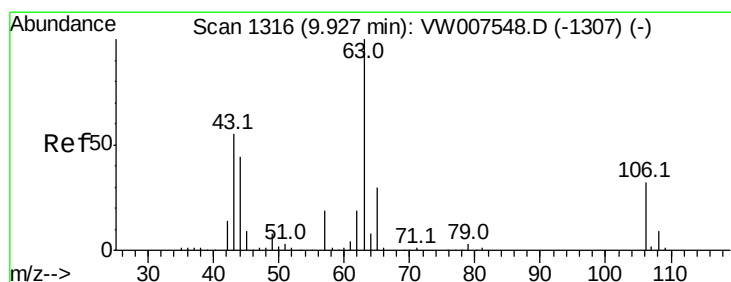
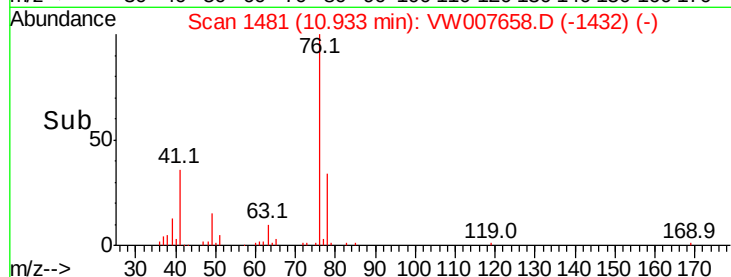
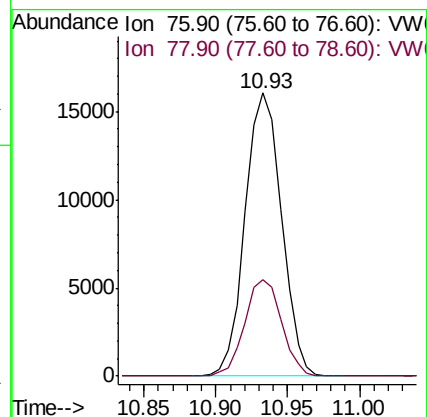
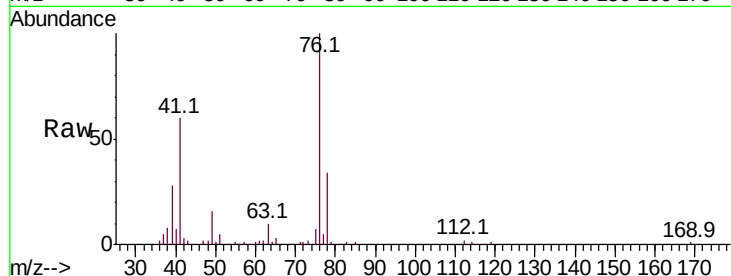
ClientSampled :

Tot Ion: 76 Resp: 28142

Ion Ratio Lower Upper

76 100

78 34.3 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 354.822 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007658.D

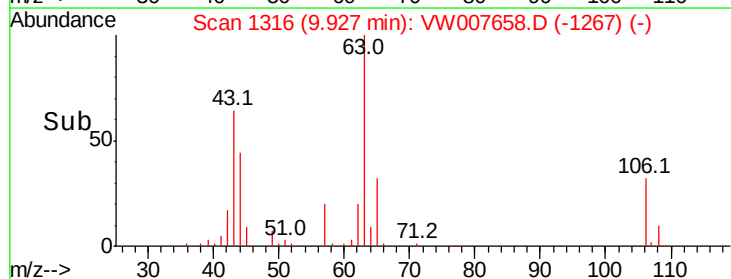
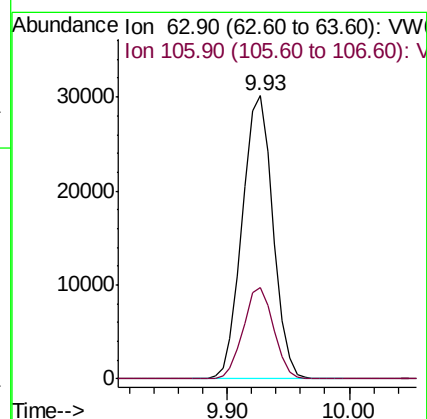
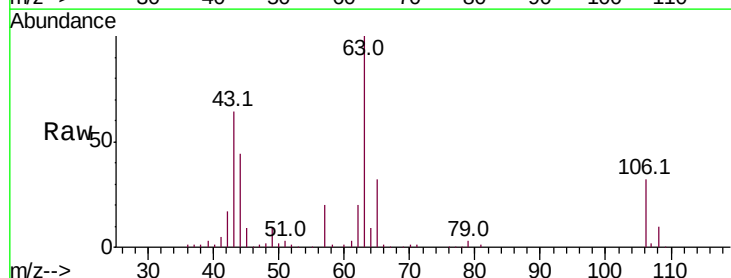
Acq: 18 Dec 2018 15:09

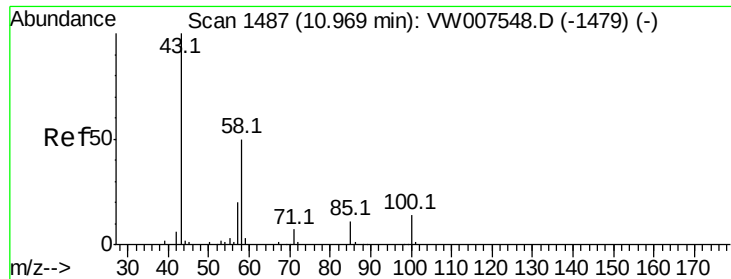
Tgt Ion: 63 Resp: 52618

Ion Ratio Lower Upper

63 100

106 31.9 25.0 37.6

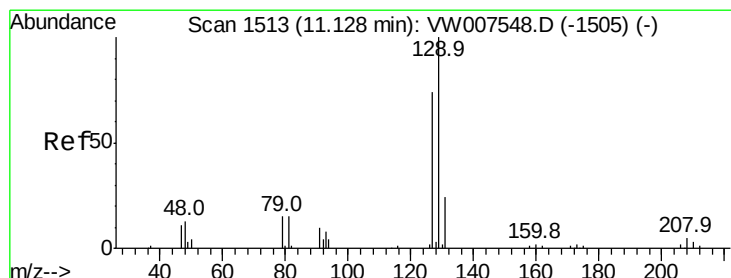
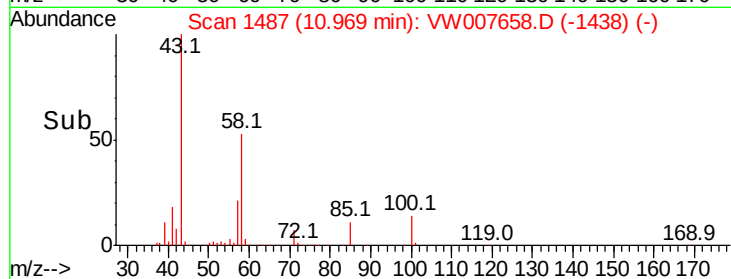
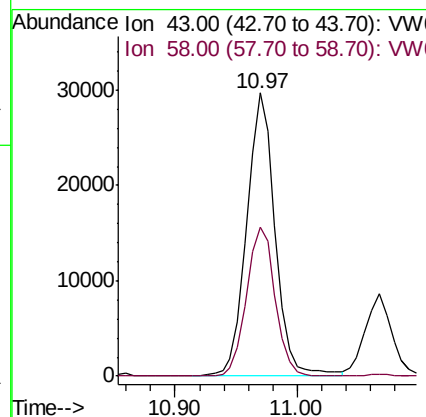
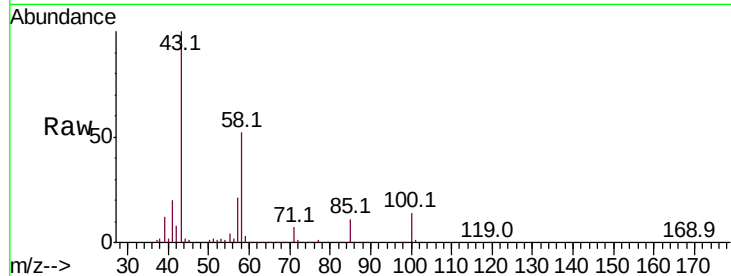




#59
2-Hexanone
Concen: 384.550 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

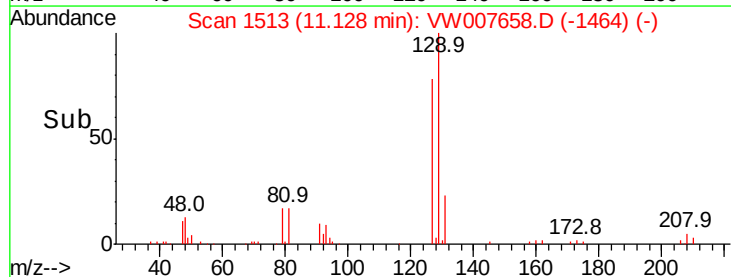
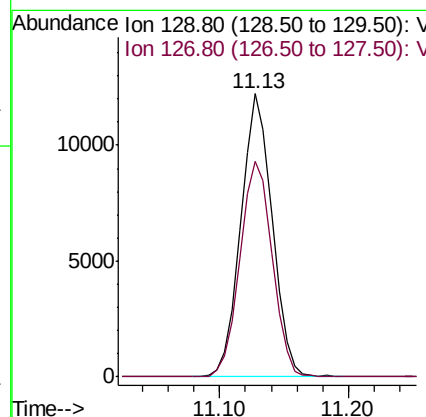
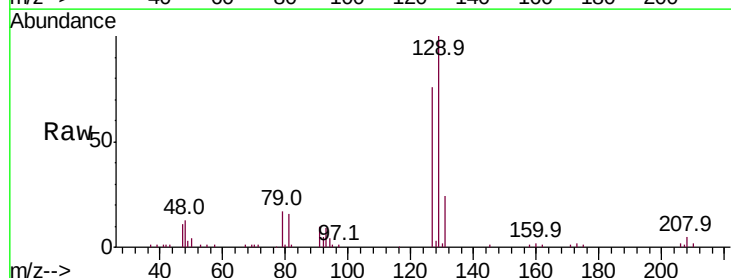
Instrument :
MSVOA_W
ClientSampleId :

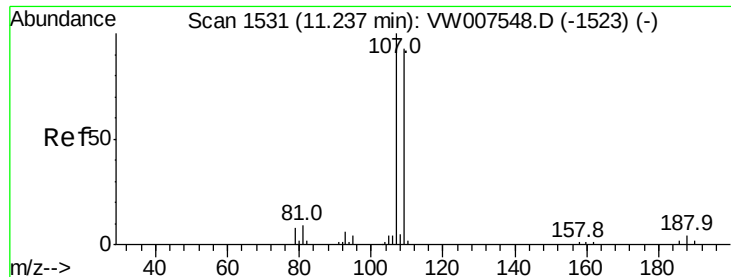
Tot Ion: 43 Resp: 47979
Ion Ratio Lower Upper
43 100
58 52.7 27.1 81.3



#60
Dibromochloromethane
Concen: 60.840 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 129 Resp: 20542
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 60.183 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

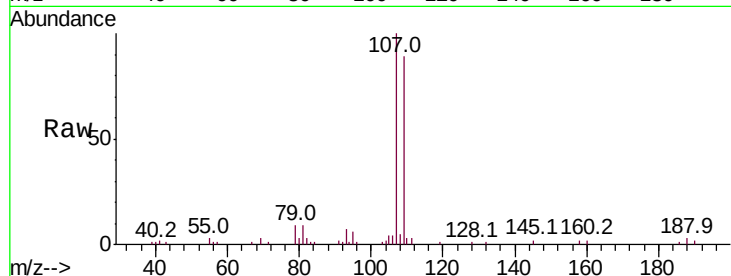
ClientSampleId :

Tot Ion:107 Resp: 15912

Ion Ratio Lower Upper

107 100

109 95.9 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

10000

8000

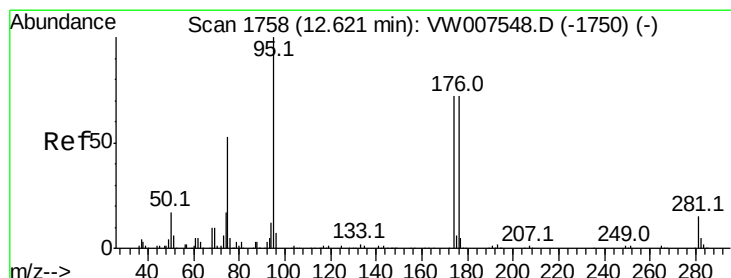
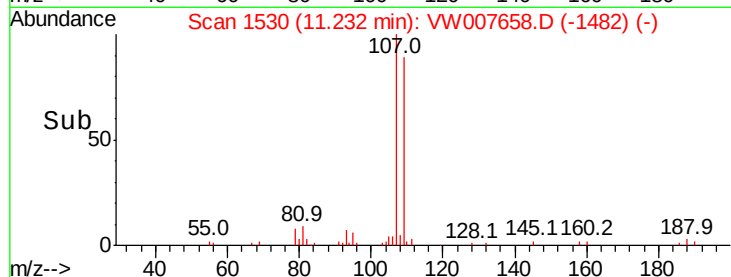
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 31.492 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

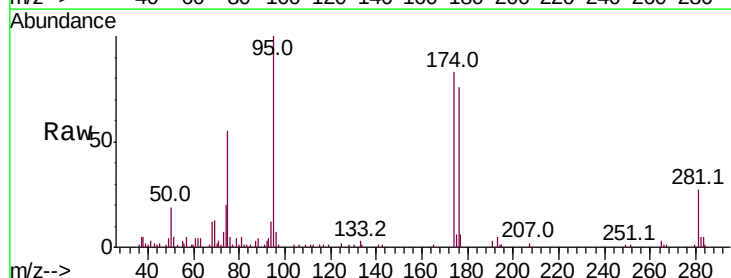
Tgt Ion: 95 Resp: 15528

Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.2

176 69.8 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12000

10000

8000

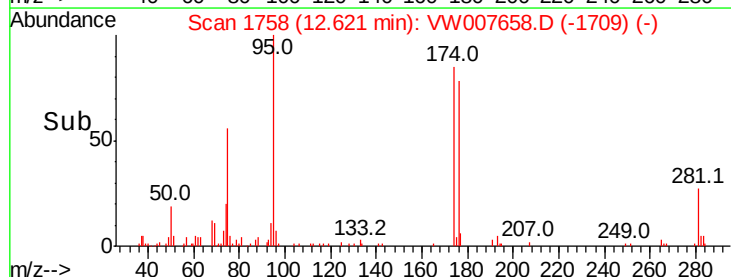
6000

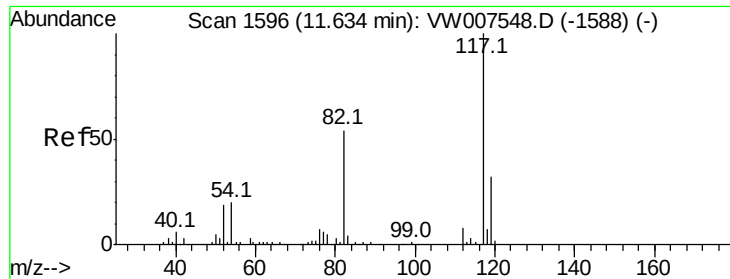
4000

2000

0

Time--> 12.55 12.60 12.65

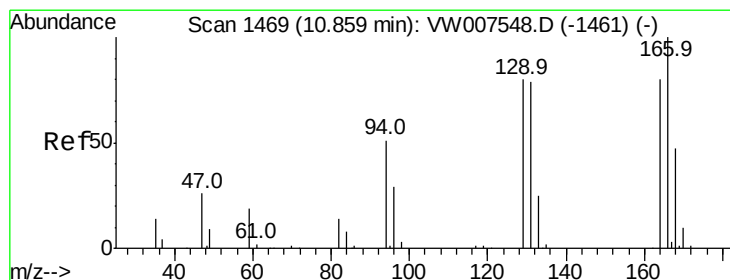
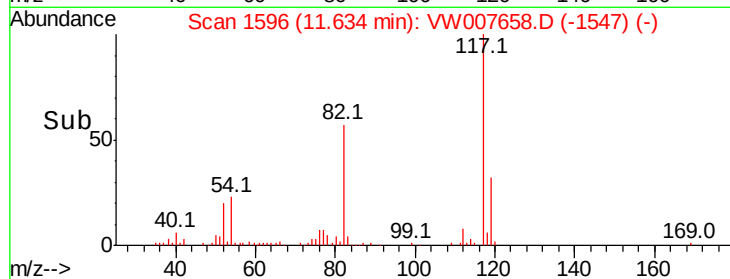
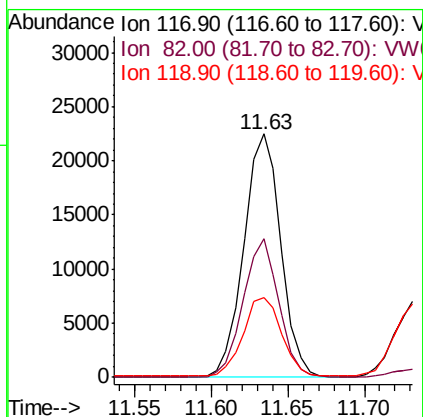
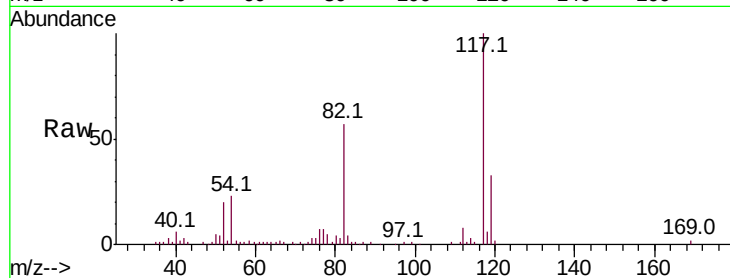




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

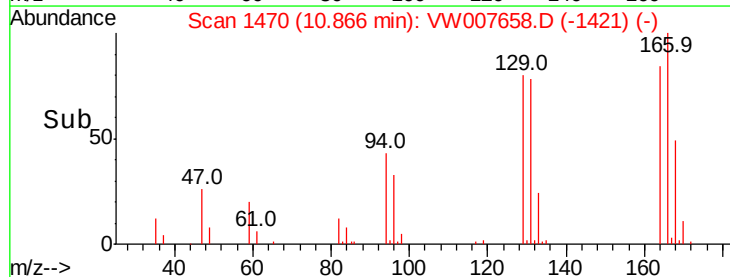
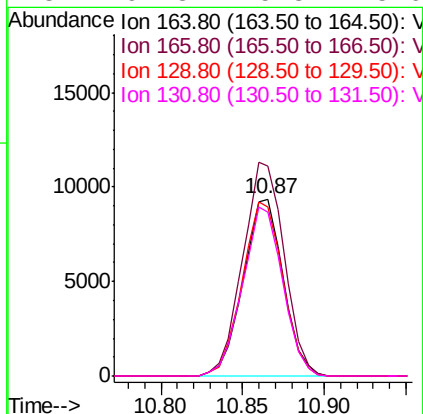
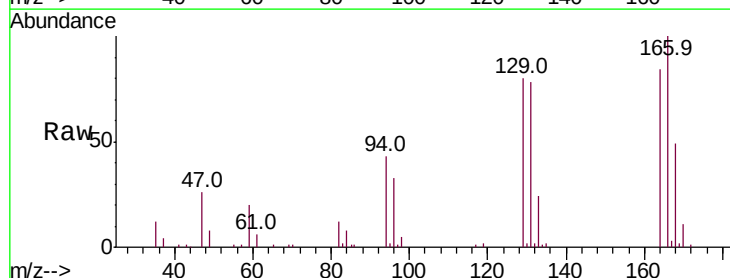
Instrument :
MSVOA_W
ClientSampled :

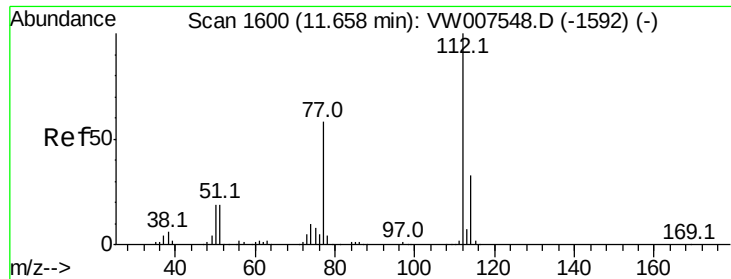
Tot Ion:117 Resp: 37619
Ion Ratio Lower Upper
117 100
82 56.9 42.3 63.5
119 32.2 23.0 34.6



#64
Tetrachloroethene
Concen: 59.199 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion:164 Resp: 16015
Ion Ratio Lower Upper
164 100
166 119.1 107.9 161.9
129 95.4 73.4 110.2
131 92.3 75.8 113.6

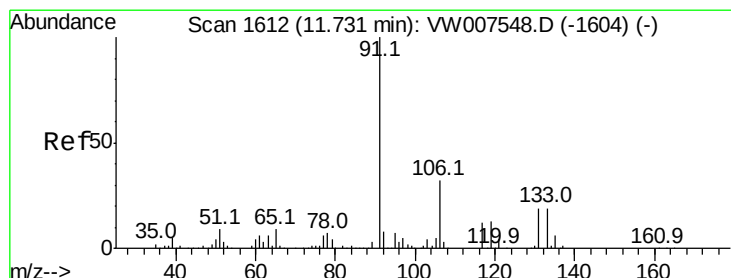
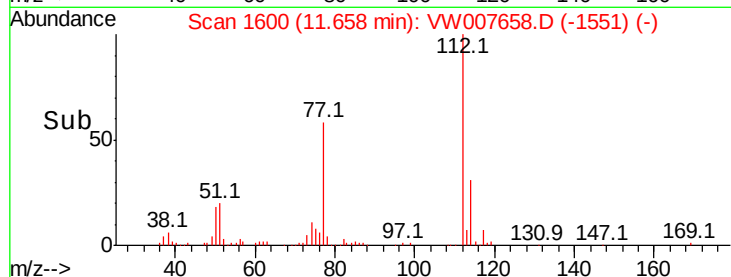
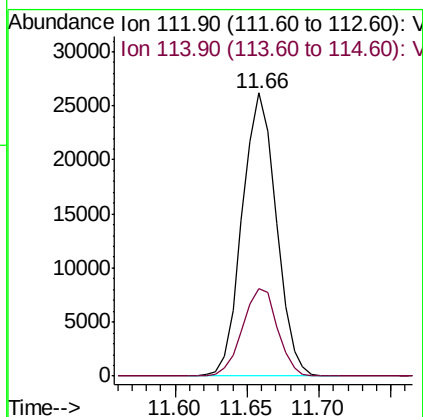
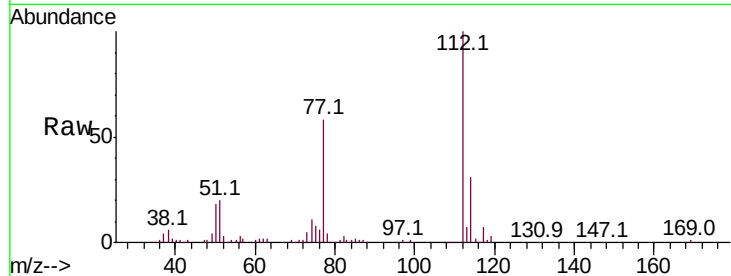




#65
Chlorobenzene
Concen: 54.695 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

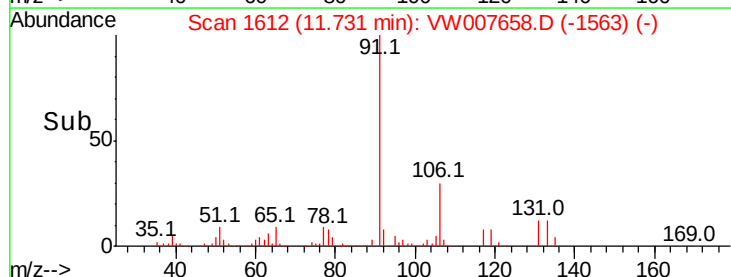
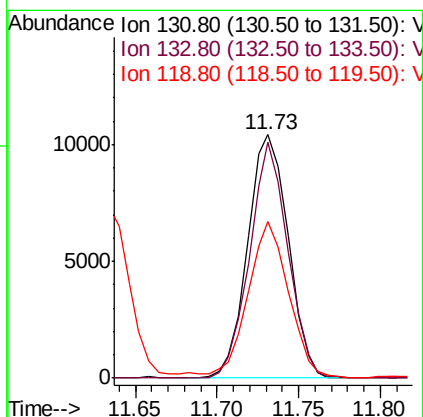
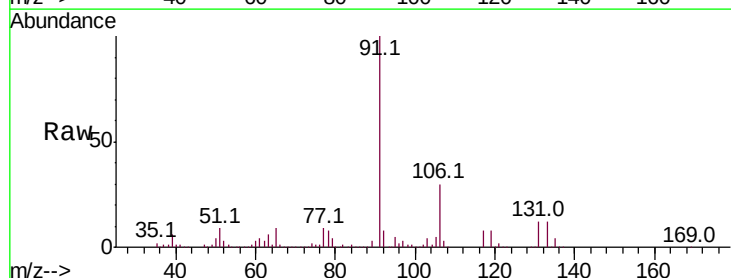
Instrument :
MSVOA_W
ClientSampled :

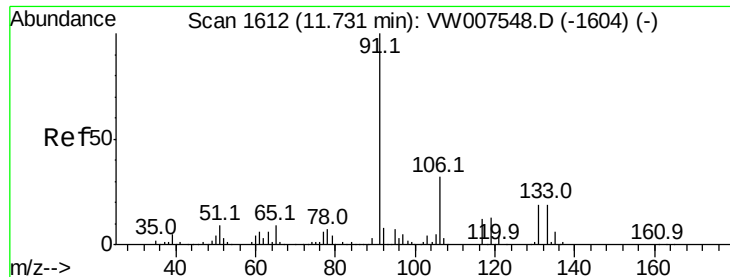
Tot Ion:112 Resp: 42886
Ion Ratio Lower Upper
112 100
114 31.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 65.147 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion:131 Resp: 17991
Ion Ratio Lower Upper
131 100
133 91.2 47.1 141.4
119 64.6 31.3 93.9

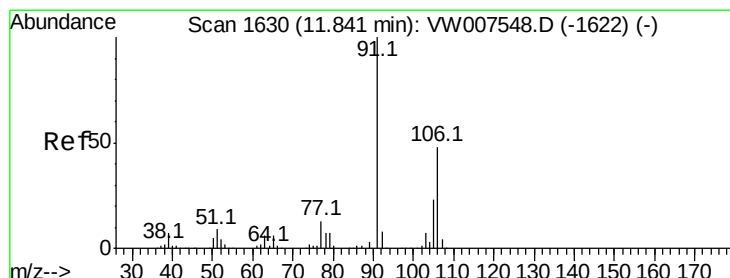
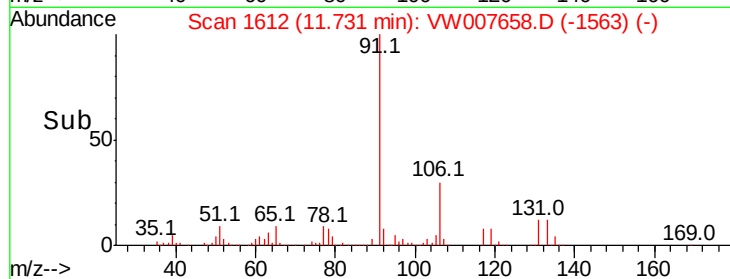
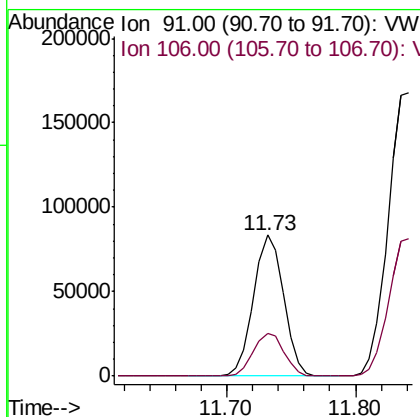
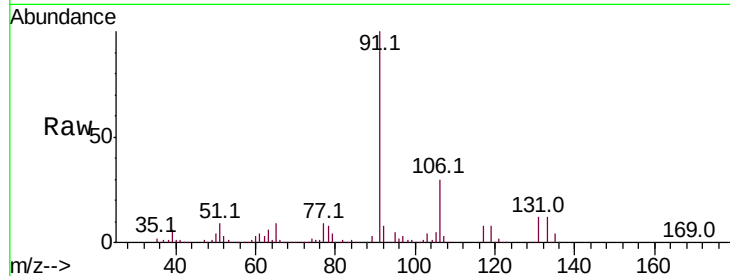




#67
Ethyl Benzene
Concen: 99.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

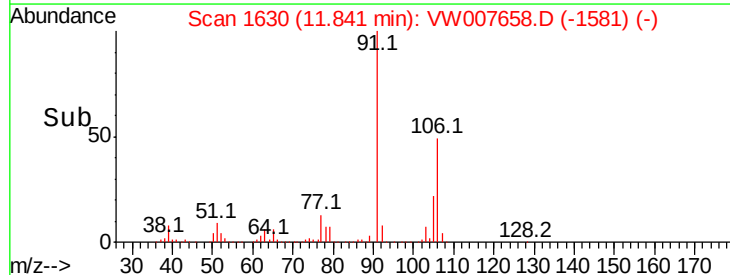
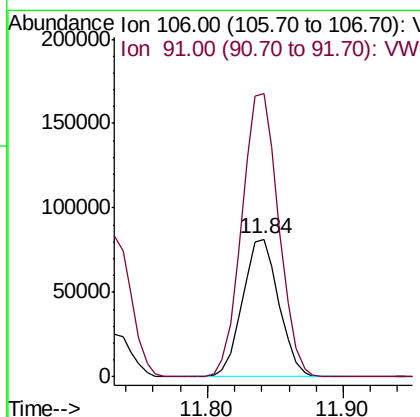
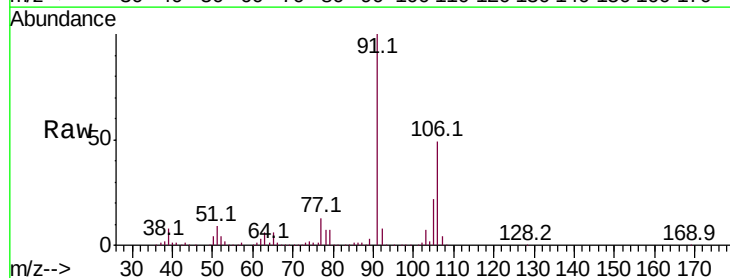
Instrument :
MSVOA_W
ClientSampleId :

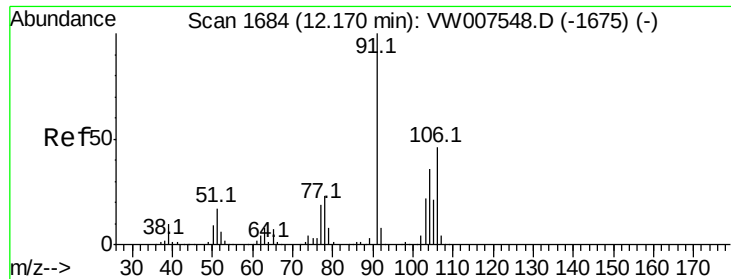
Tot Ion: 91 Resp: 134542
Ion Ratio Lower Upper
91 100
106 30.4 21.8 32.8



#68
m/p-Xylenes
Concen: 290.917 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 106 Resp: 152463
Ion Ratio Lower Upper
106 100
91 208.2 165.3 247.9

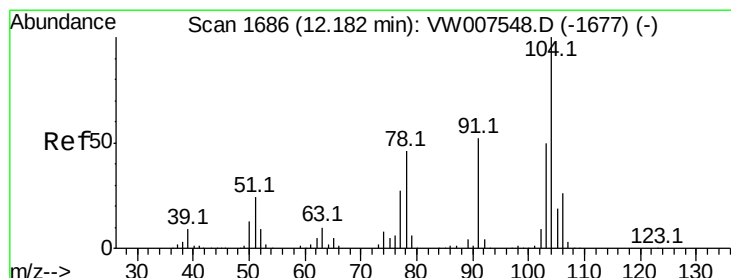
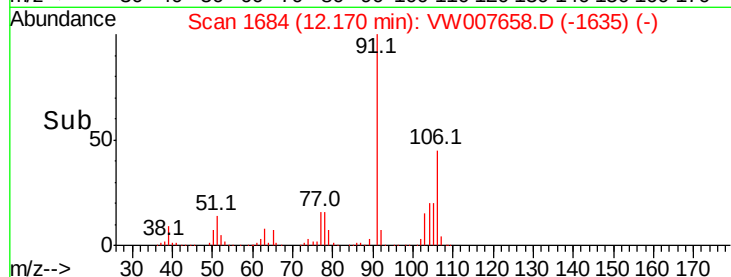
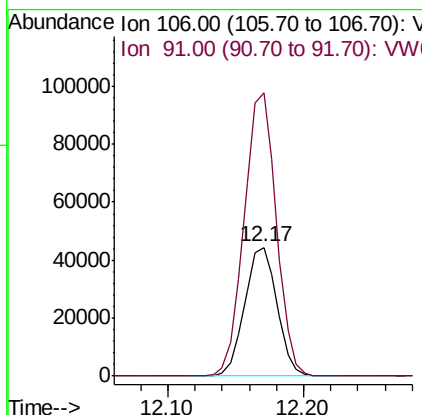
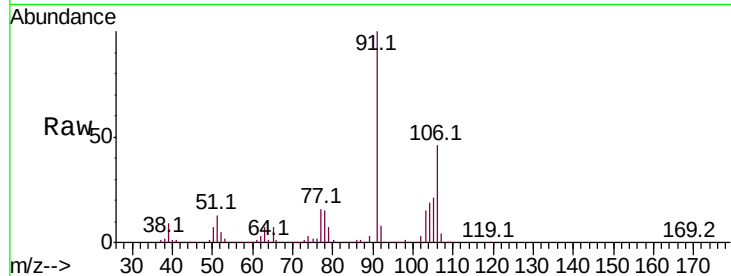




#69
o-Xylene
Concen: 151.508 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

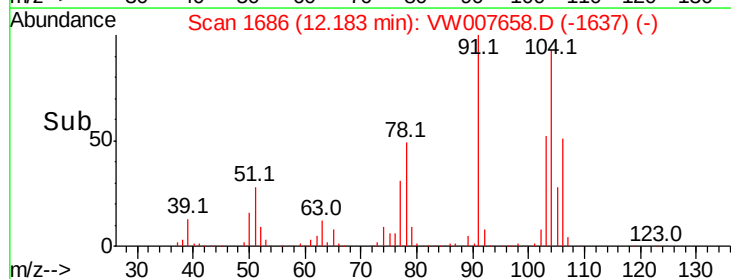
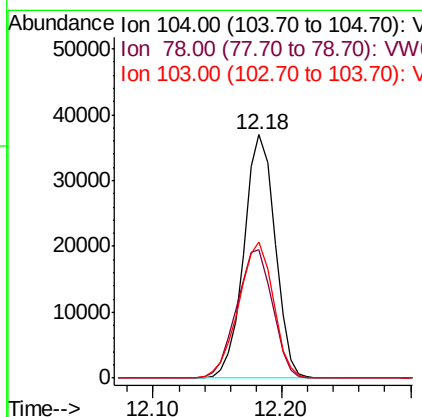
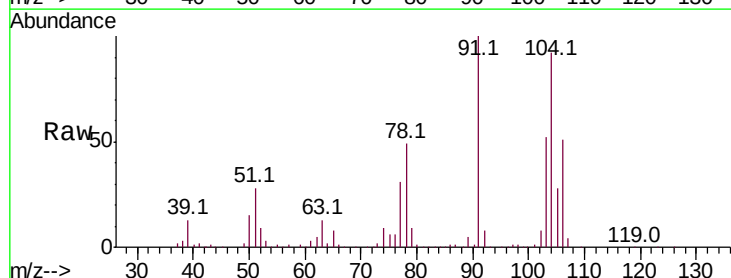
Instrument :
MSVOA_W
ClientSampled :

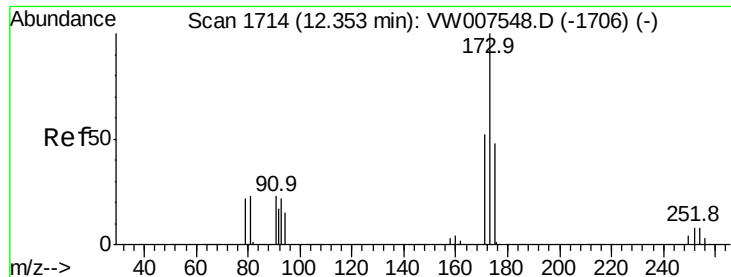
Tot Ion:106 Resp: 74156
Ion Ratio Lower Upper
106 100
91 218.3 106.6 319.8



#70
Styrene
Concen: 77.940 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion:104 Resp: 61617
Ion Ratio Lower Upper
104 100
78 61.2 41.8 62.8
103 62.5 46.6 69.8





#71

Bromoform

Concen: 76.321 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

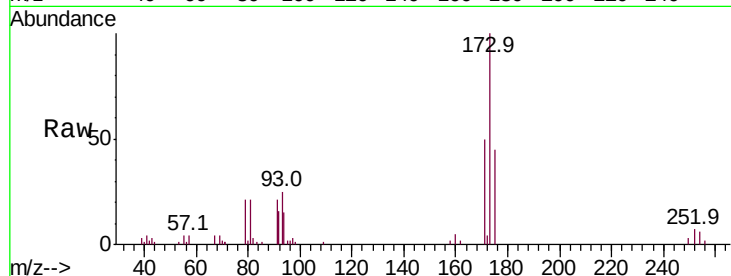
Tot Ion:173 Resp: 10788

Ion Ratio Lower Upper

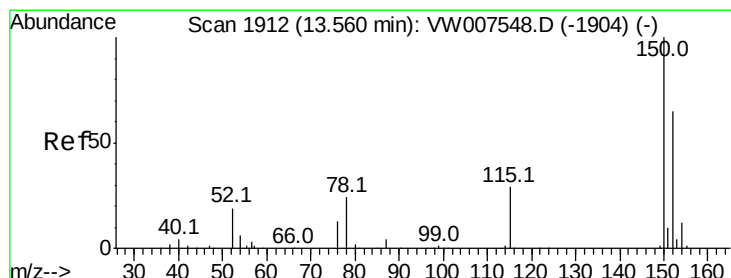
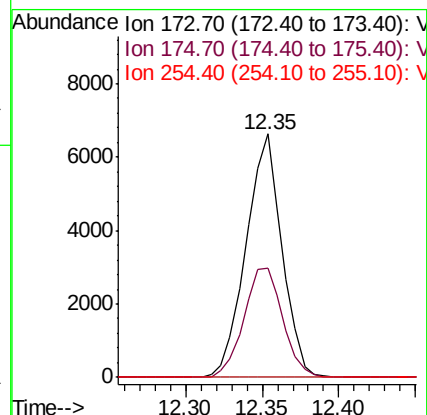
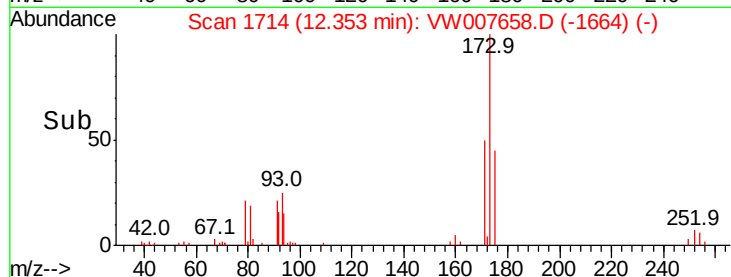
173 100

175 48.5 23.6 70.8

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: VW007658.D

Acq: 18 Dec 2018 15:09

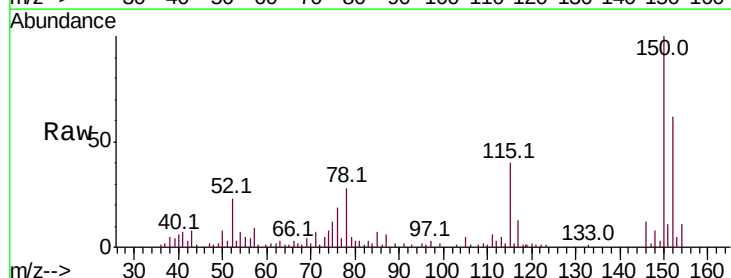
Tgt Ion:152 Resp: 9207

Ion Ratio Lower Upper

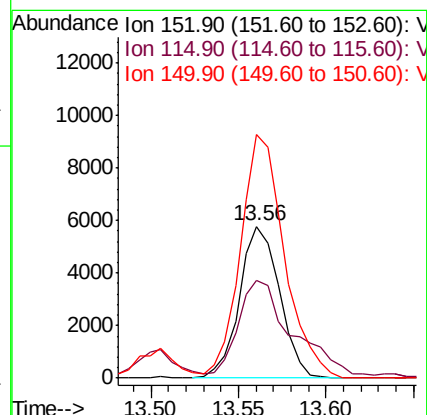
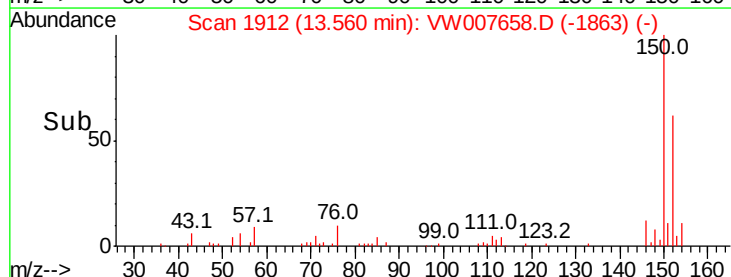
152 100

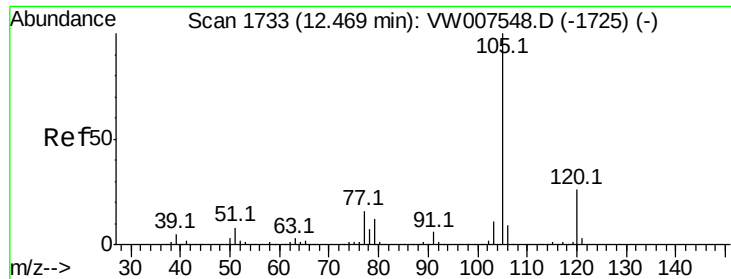
115 82.6 31.4 94.2

150 175.7 0.0 358.4



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

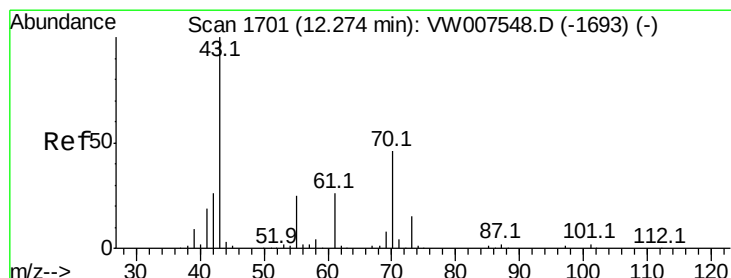
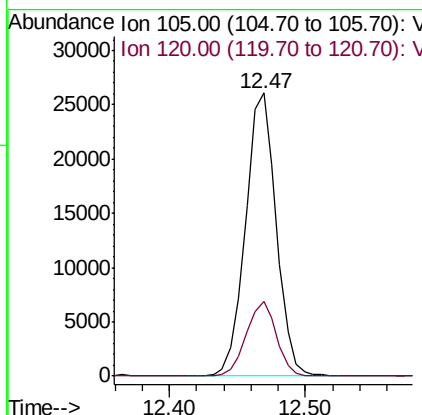
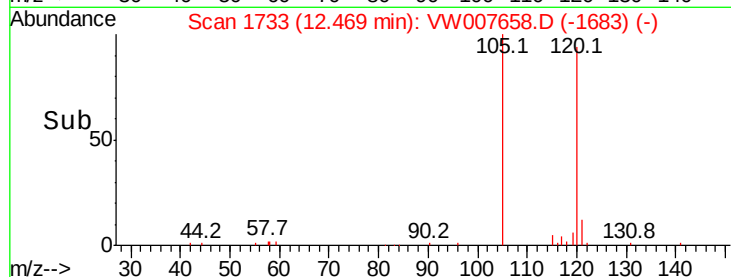
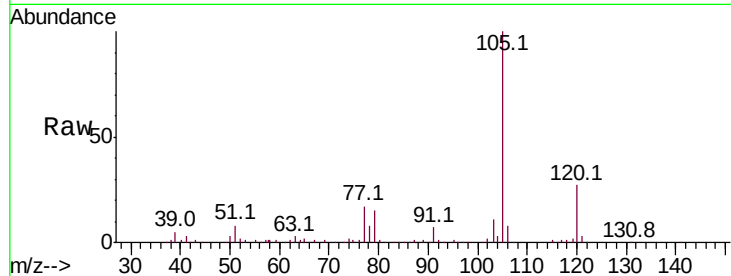




#73
Isopropylbenzene
Concen: 58.487 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

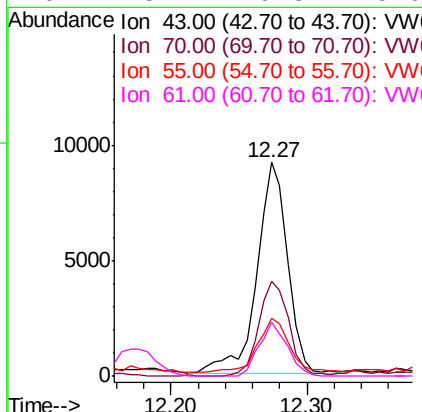
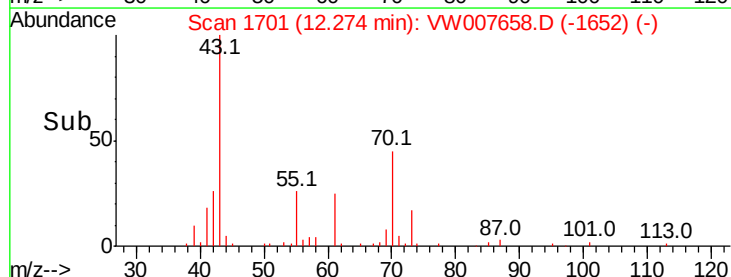
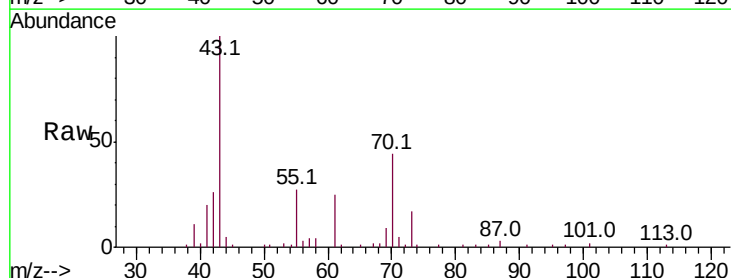
Instrument :
MSVOA_W
ClientSampleId :

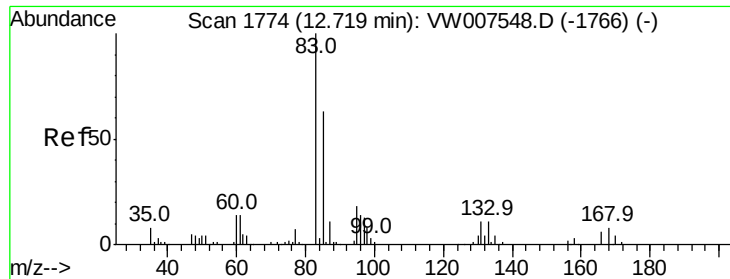
Tot Ion:105 Resp: 41261
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4



#74
N-ethyl acetate
Concen: 112.913 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion: 43 Resp: 14477
Ion Ratio Lower Upper
43 100
70 43.9 36.5 54.7
55 26.9 20.1 30.1
61 23.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 8.575 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

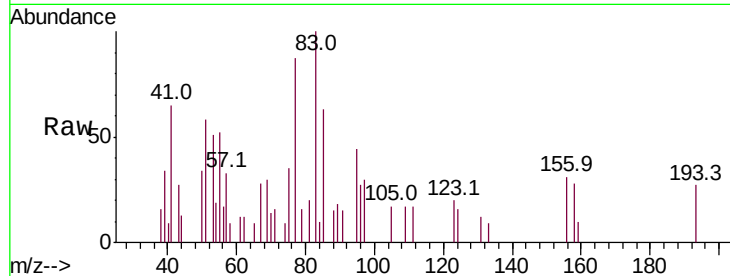
Tot Ion: 83 Resp: 896

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.8

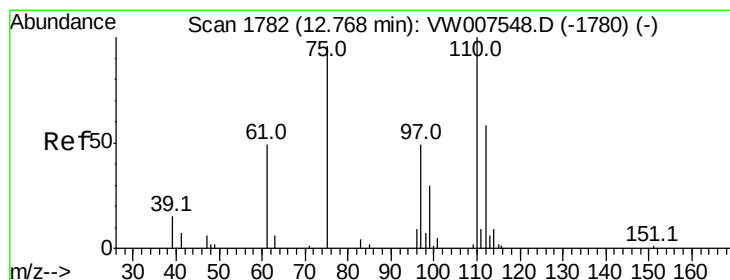
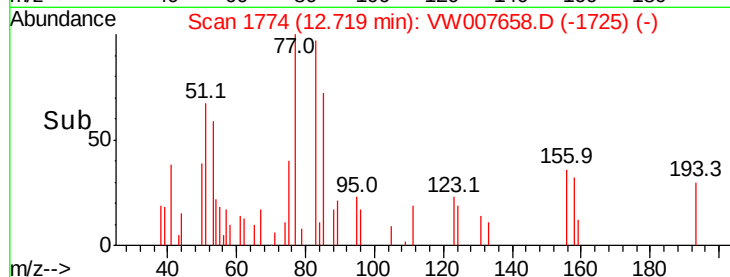
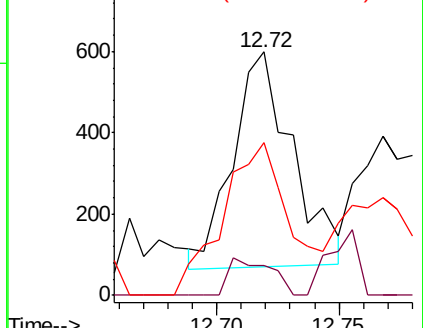
85 80.5 30.0 90.0



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: 285.269 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007658.D

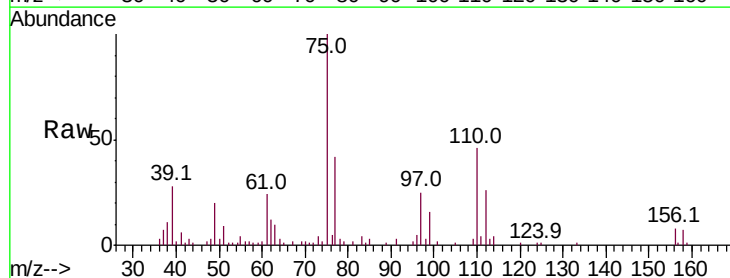
Acq: 18 Dec 2018 15:09

Tgt Ion: 75 Resp: 21656

Ion Ratio Lower Upper

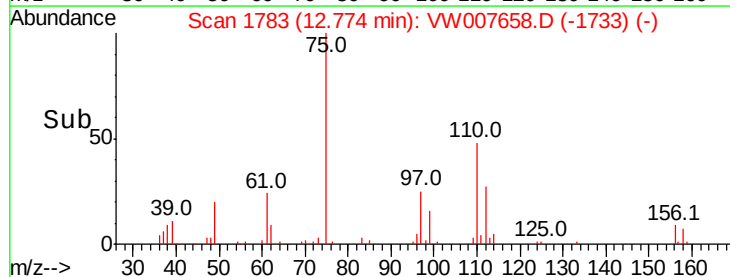
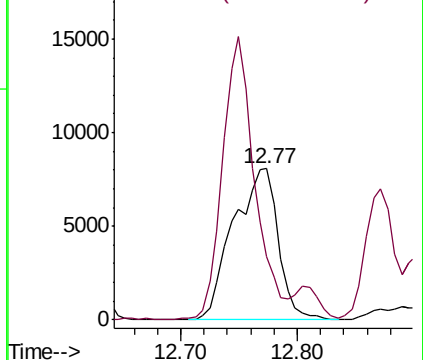
75 100

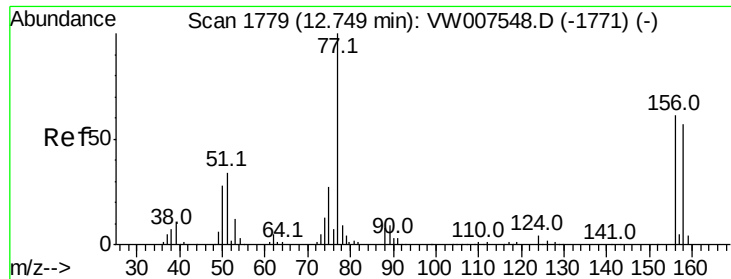
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 92.425 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

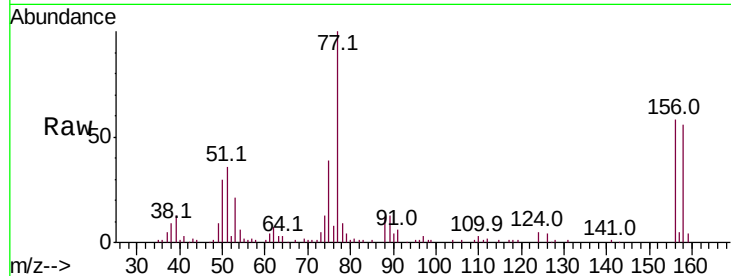
Tot Ion:156 Resp: 14453

Ion Ratio Lower Upper

156 100

77 201.4 88.1 264.4

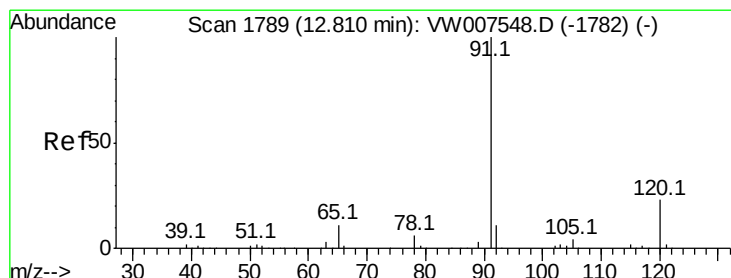
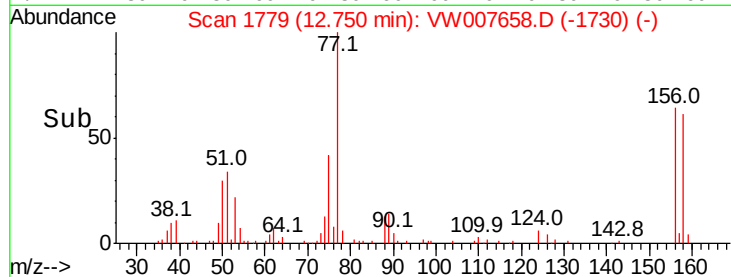
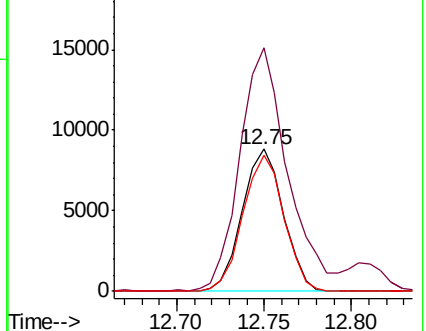
158 95.3 45.6 136.7



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: 77.746 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007658.D

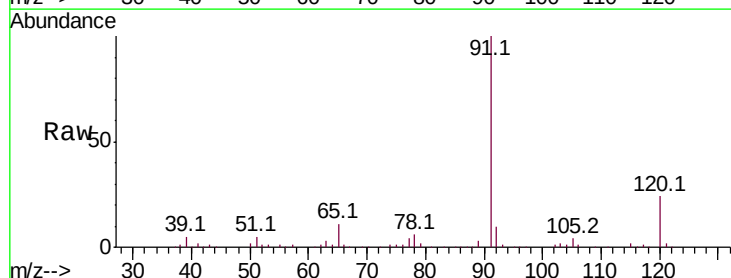
Acq: 18 Dec 2018 15:09

Tgt Ion: 91 Resp: 61726

Ion Ratio Lower Upper

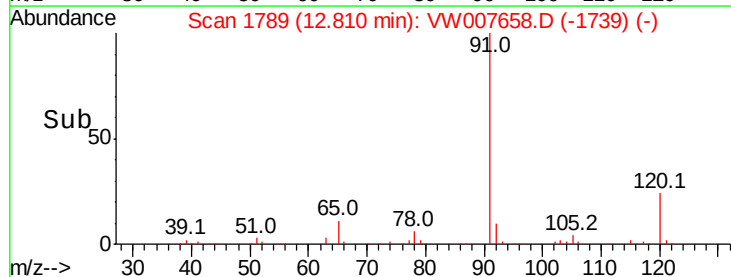
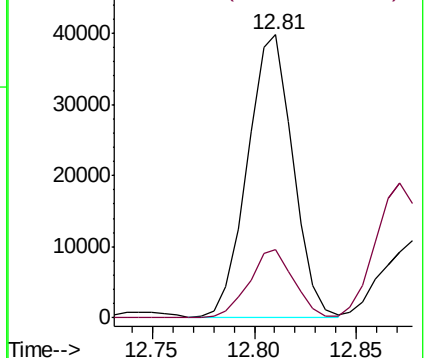
91 100

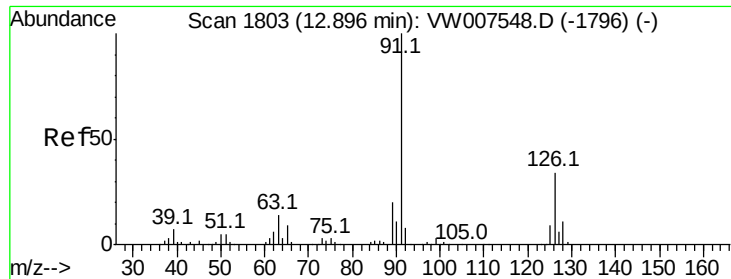
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

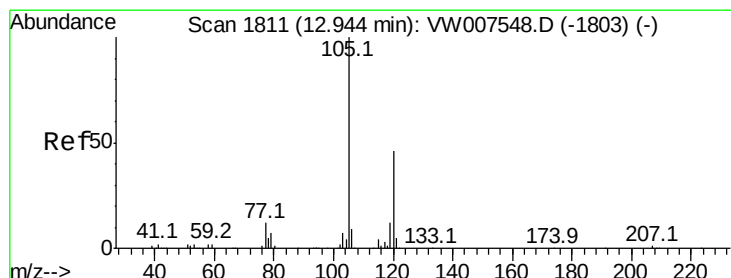
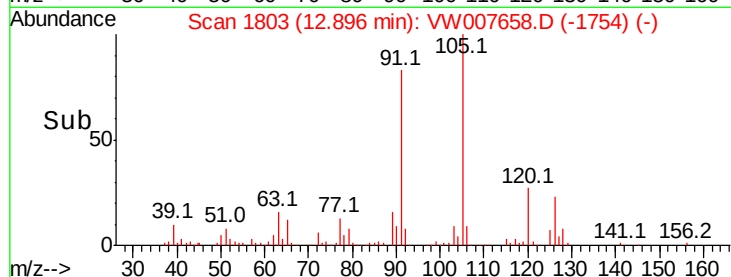
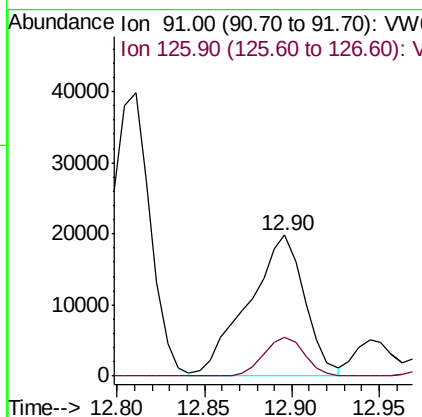
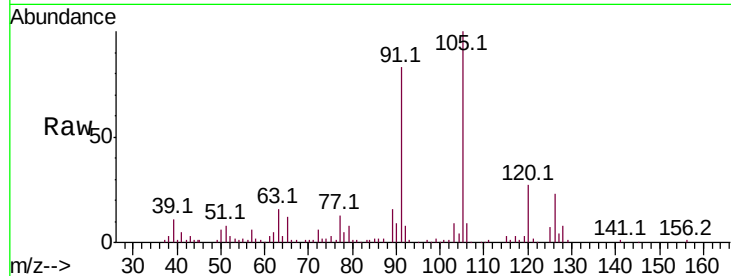




#79
2-Chlorotoluene
Concen: 92.500 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

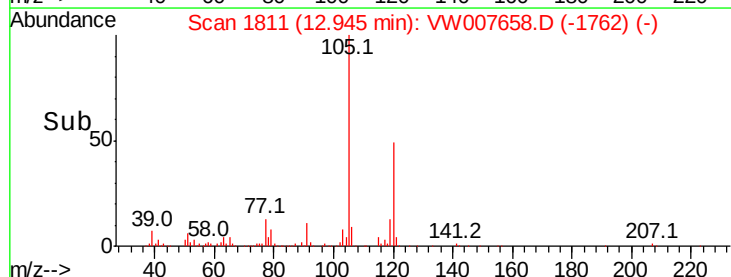
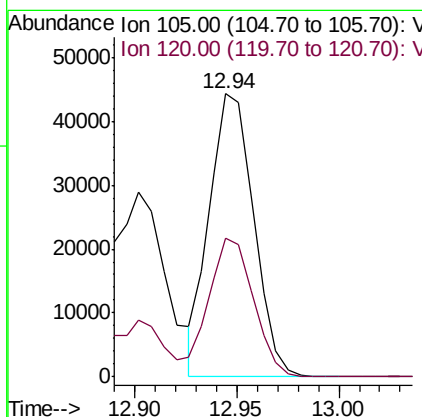
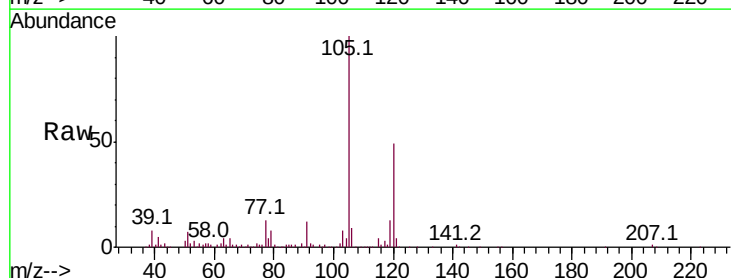
Instrument :
MSVOA_W
ClientSampled :

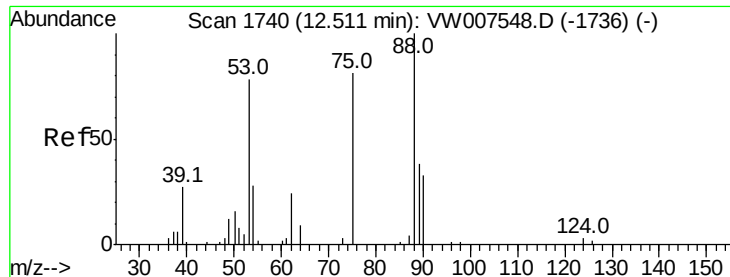
Tot Ion: 91 Resp: 44437
Ion Ratio Lower Upper
91 100
126 20.3 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 111.989 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007658.D
Acq: 18 Dec 2018 15:09

Tgt Ion:105 Resp: 66384
Ion Ratio Lower Upper
105 100
120 50.6 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 163.622 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

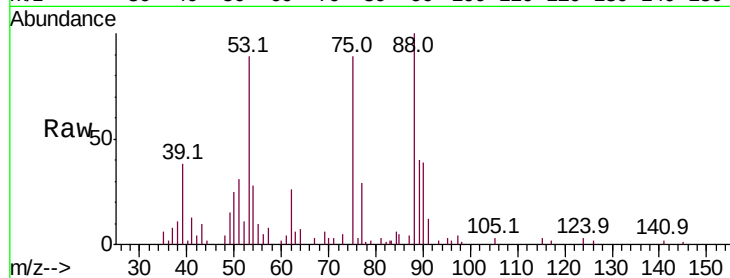
Tot Ion: 75 Resp: 5623

Ion Ratio Lower Upper

75 100

53 98.8 84.9 127.3

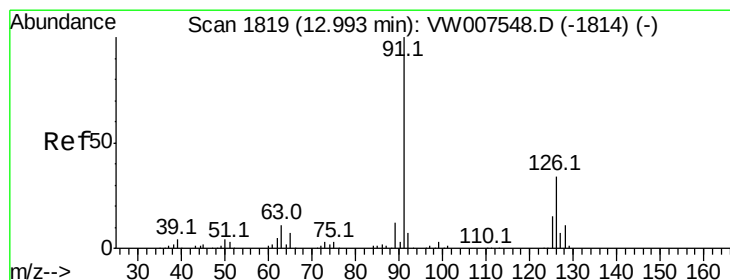
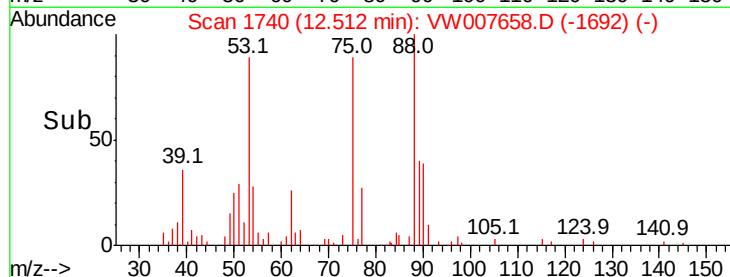
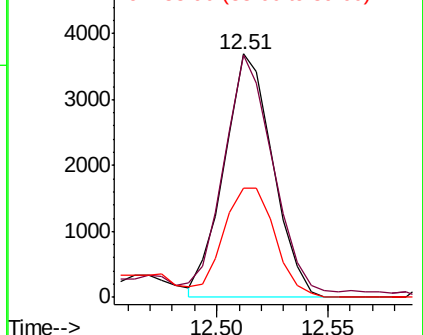
89 48.0 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 60.994 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007658.D

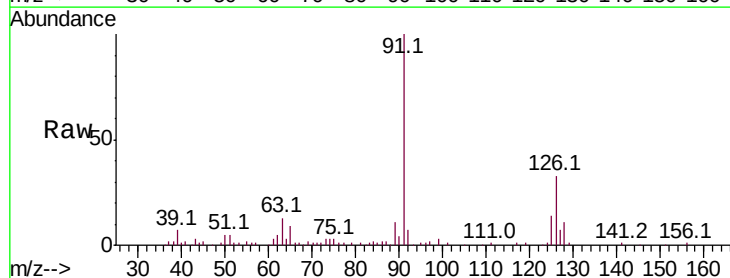
Acq: 18 Dec 2018 15:09

Tgt Ion: 91 Resp: 30887

Ion Ratio Lower Upper

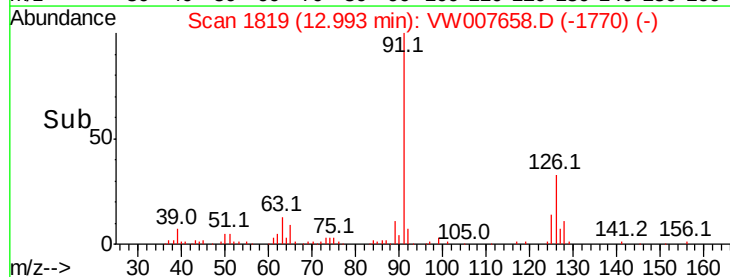
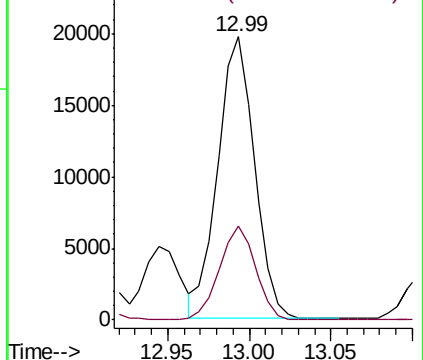
91 100

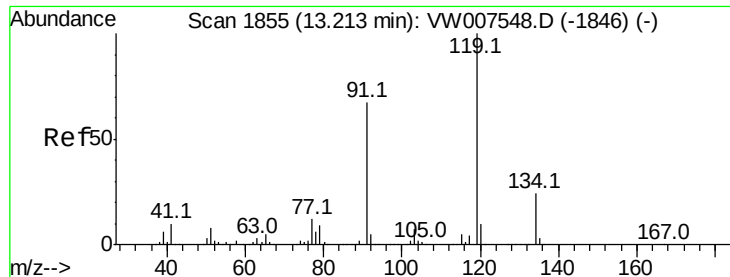
126 32.9 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 31.433 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

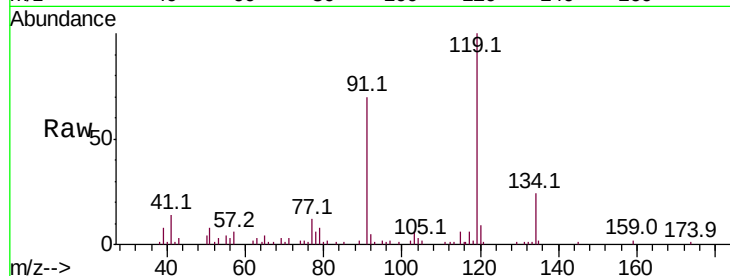
Tot Ion:119 Resp: 16418

Ion Ratio Lower Upper

119 100

91 70.5 33.1 99.2

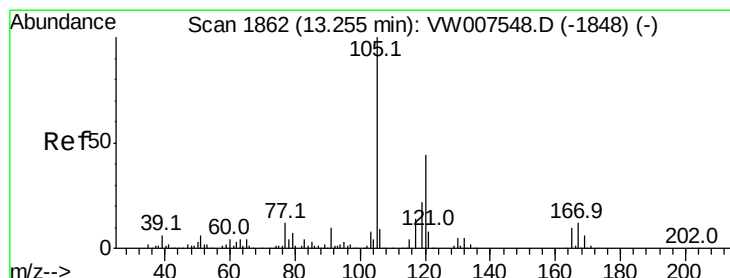
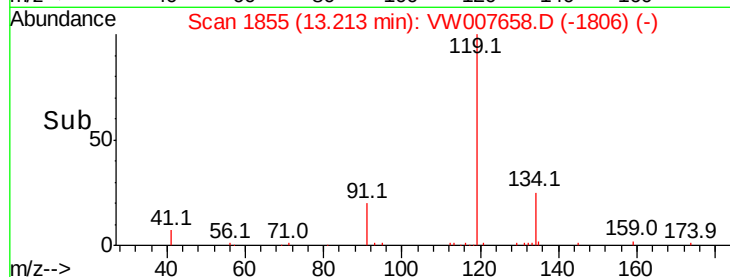
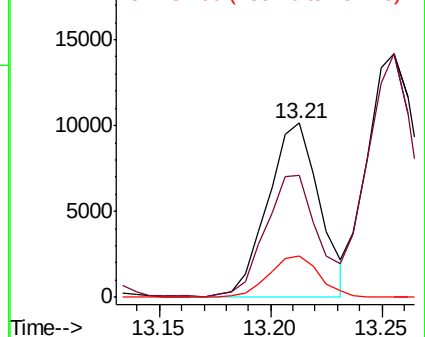
134 23.3 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 309.476 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007658.D

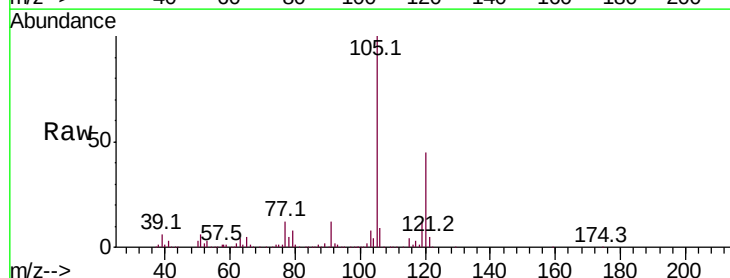
Acq: 18 Dec 2018 15:09

Tgt Ion:105 Resp: 188779

Ion Ratio Lower Upper

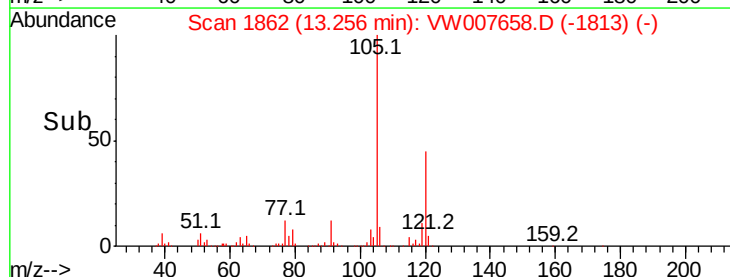
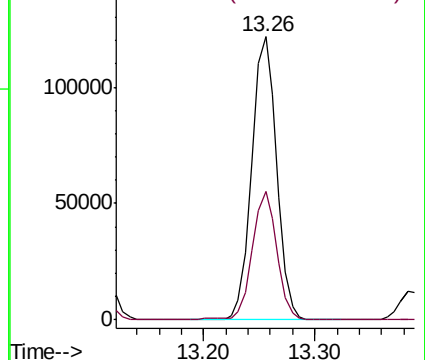
105 100

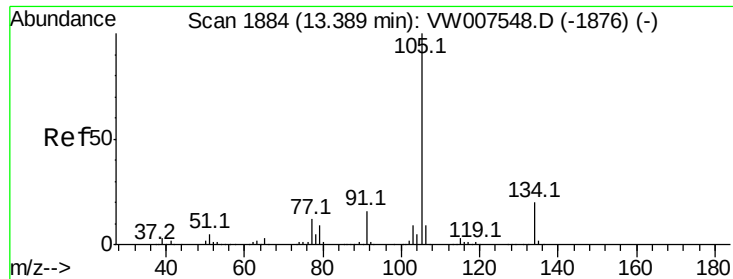
120 45.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 27.271 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

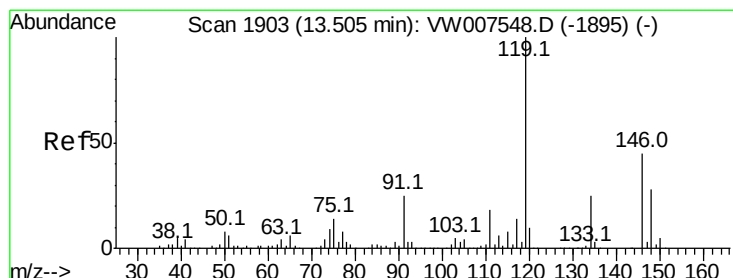
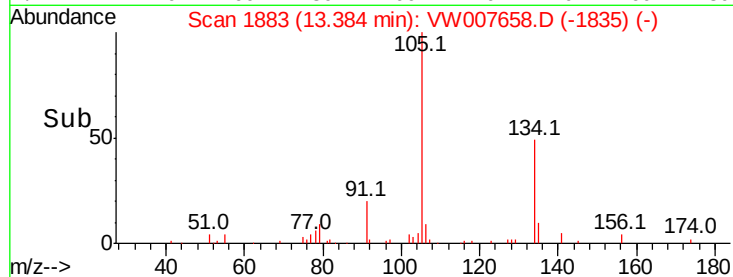
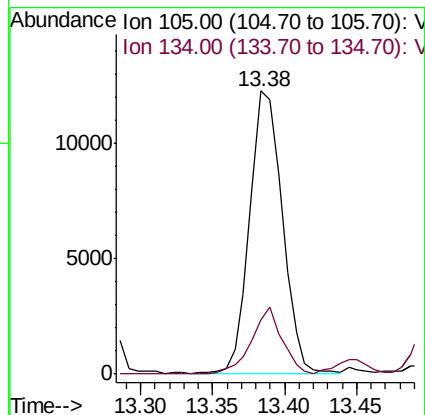
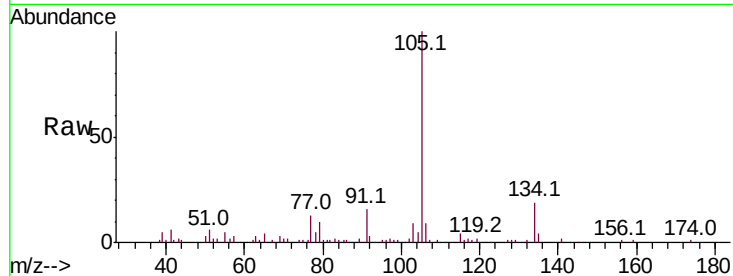
ClientSampleId :

Tot Ion:105 Resp: 19445

Ion Ratio Lower Upper

105 100

134 21.8 11.1 33.3



#86

p-Isopropyltoluene

Concen: 26.876 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

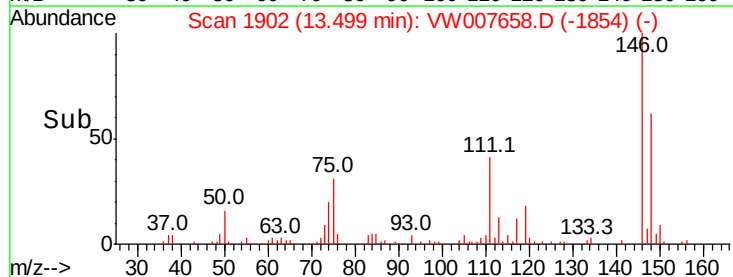
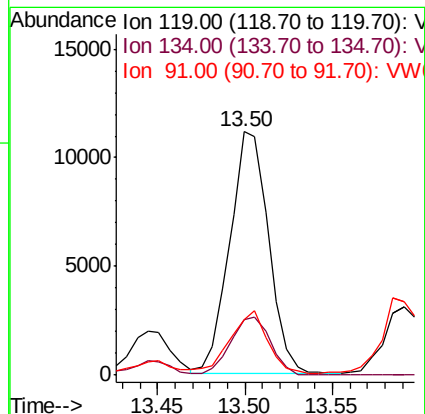
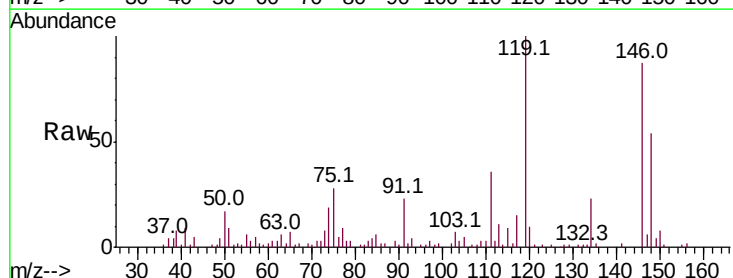
Tgt Ion:119 Resp: 17216

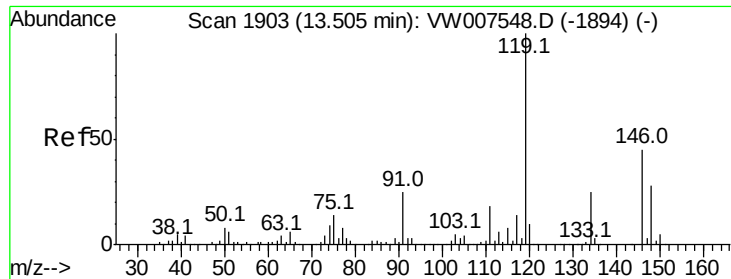
Ion Ratio Lower Upper

119 100

134 24.5 12.9 38.7

91 24.2 11.9 35.9

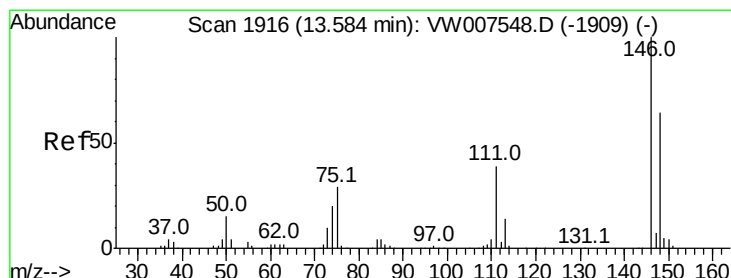
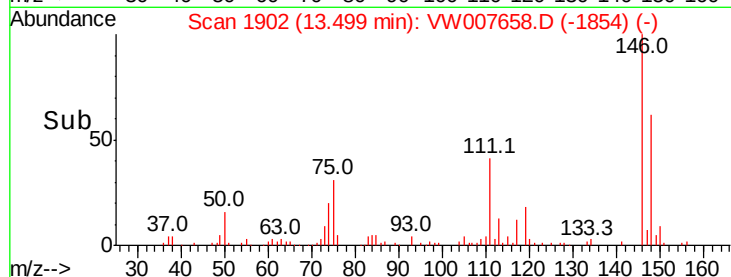
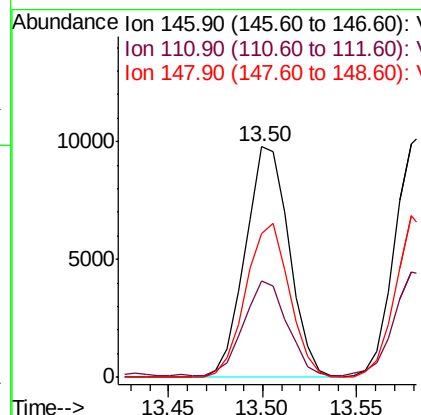
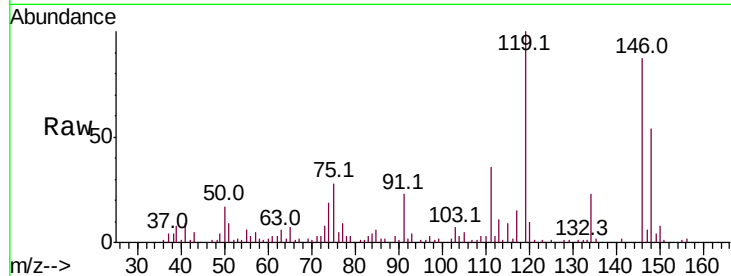




#87
 1,3-Dichlorobenzene
 Concen: 50.728 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

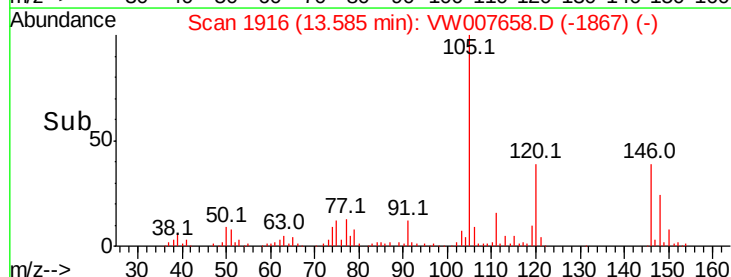
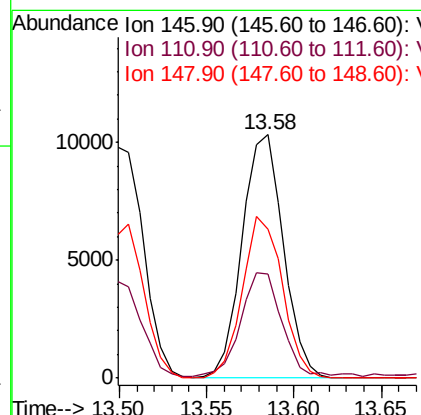
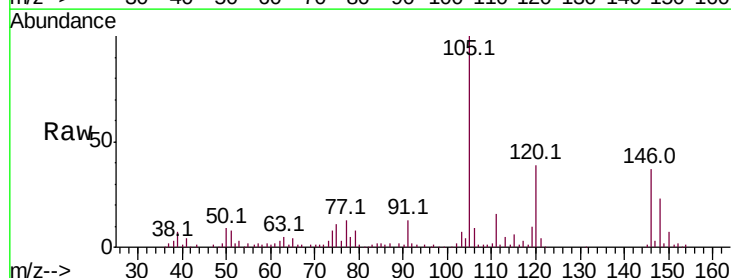
Instrument :
 MSVOA_W
 ClientSampleId :

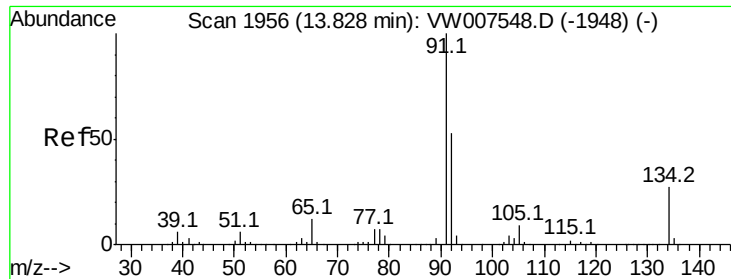
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	66.0	31.4	94.0



#88
 1,4-Dichlorobenzene
 Concen: 54.144 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	61.0
148	64.2	33.5	100.5





#89

n-Butylbenzene

Concen: 29.680 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

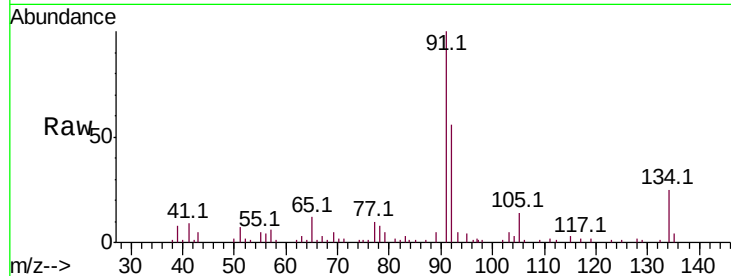
Tot Ion: 91 Resp: 17625

Ion Ratio Lower Upper

91 100

92 46.2 25.7 77.1

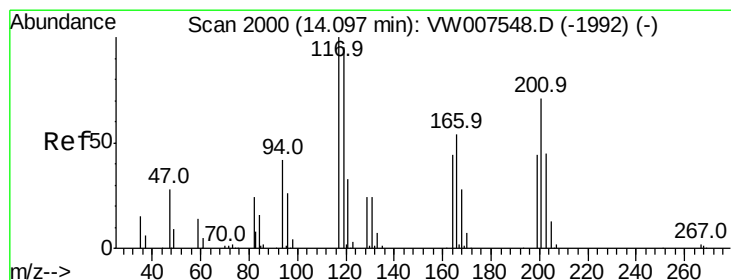
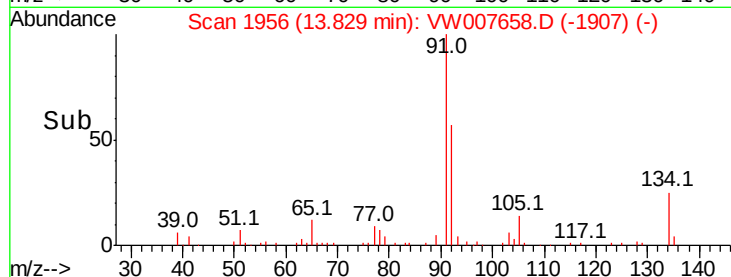
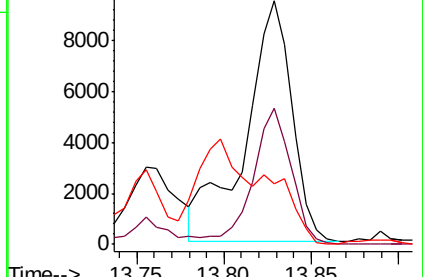
134 0.0 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 38.368 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007658.D

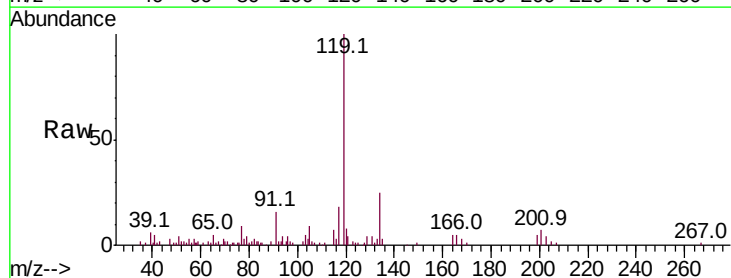
Acq: 18 Dec 2018 15:09

Tgt Ion: 117 Resp: 4373

Ion Ratio Lower Upper

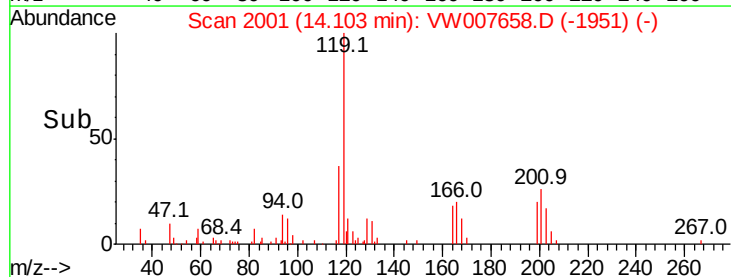
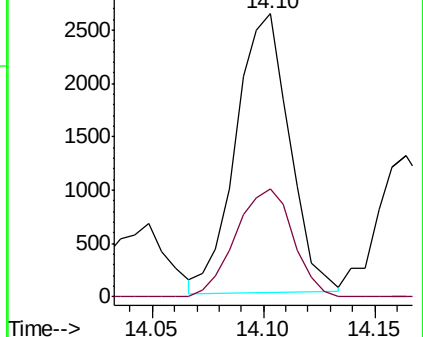
117 100

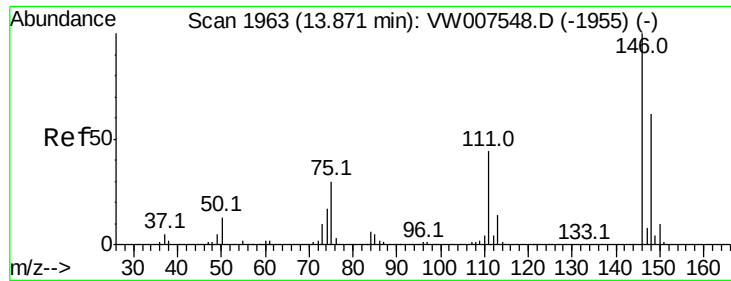
201 41.4 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 57.937 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

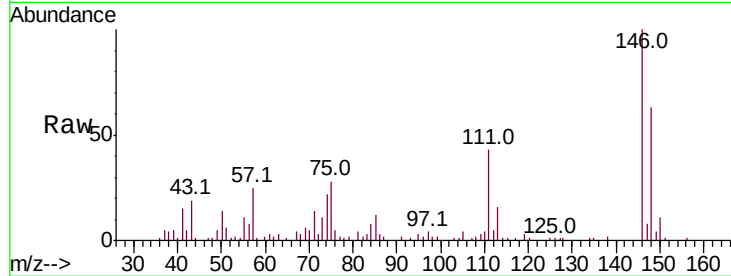
Tot Ion:146 Resp: 16179

Ion Ratio Lower Upper

146 100

111 45.7 22.4 67.2

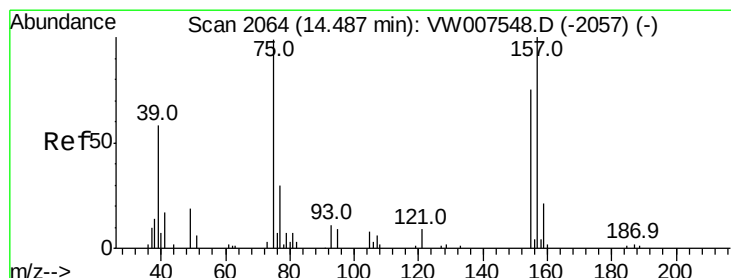
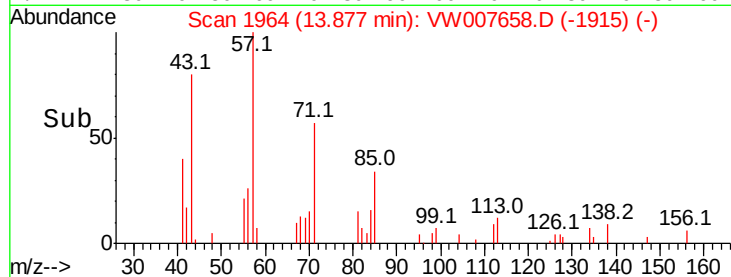
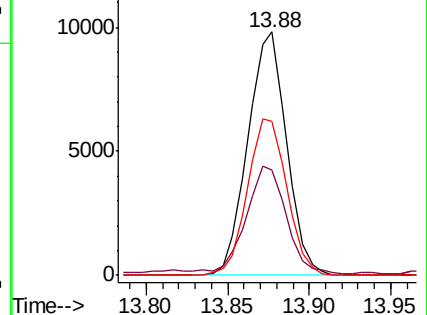
148 65.7 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 149.651 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

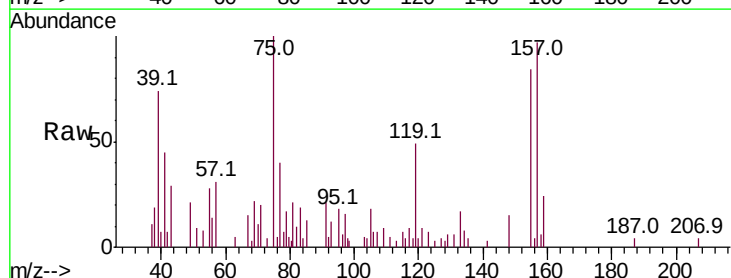
Tgt Ion: 75 Resp: 3138

Ion Ratio Lower Upper

75 100

155 76.6 40.8 122.2

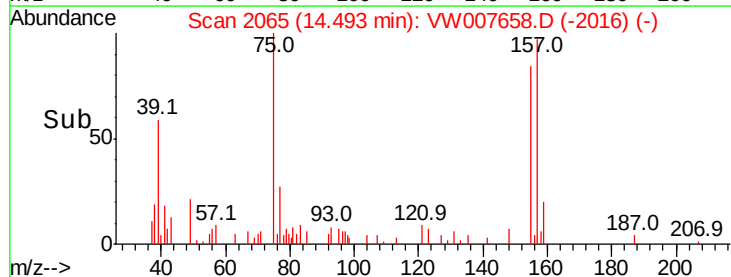
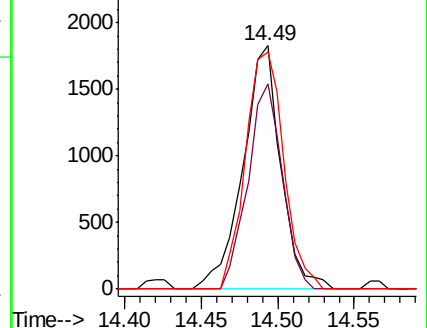
157 98.9 51.1 153.4

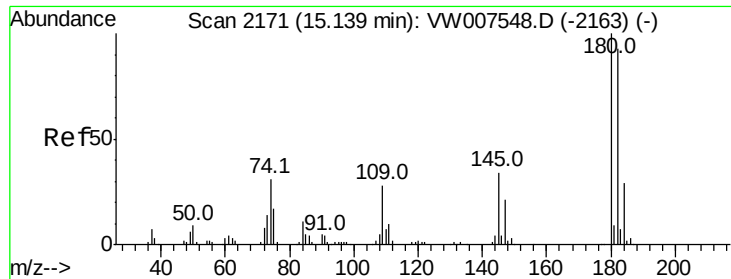


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

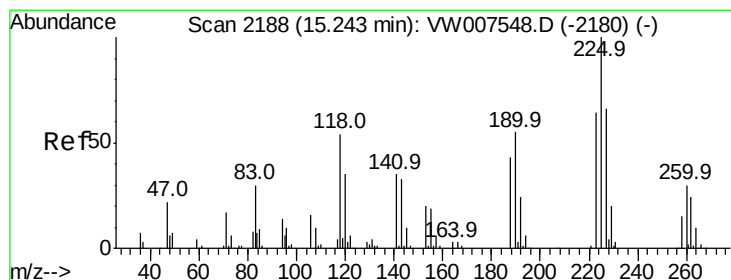
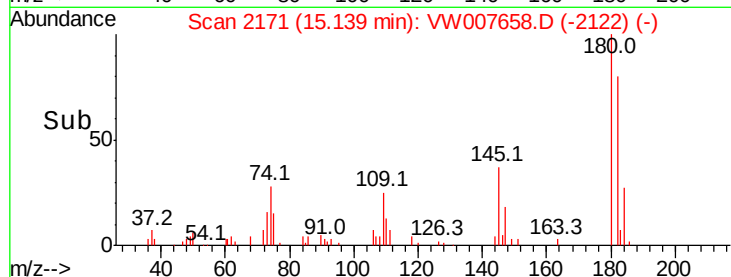
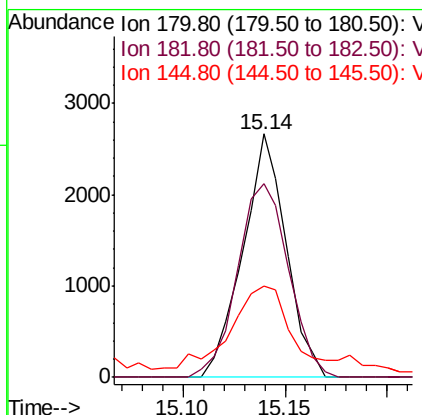
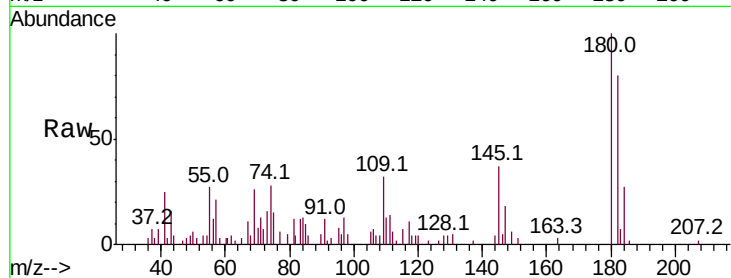




#93
 1,2,4-Trichlorobenzene
 Concen: 20.439 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

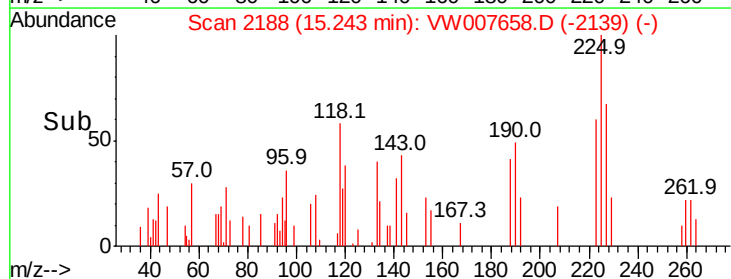
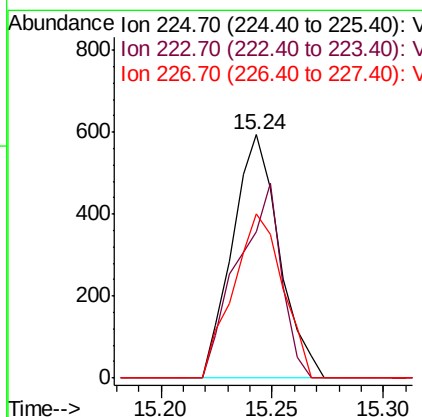
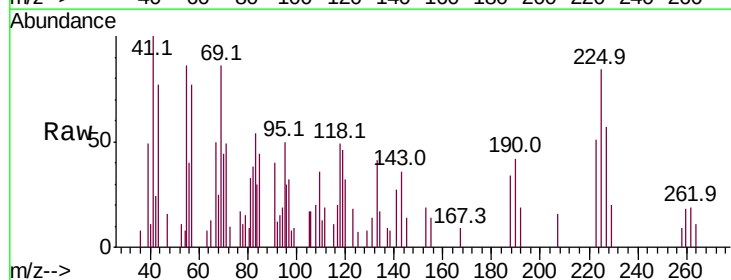
Instrument :
 MSVOA_W
 ClientSampleId :

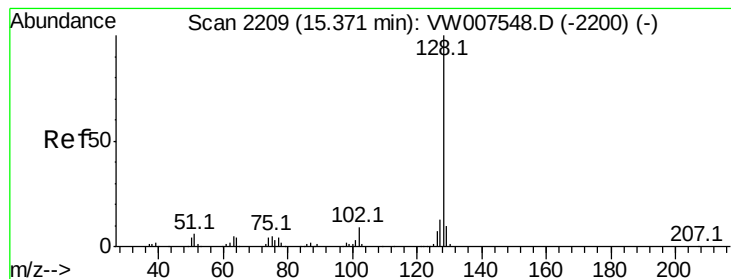
Tot Ion:180 Resp: 3928
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.9 149.6
 145 64.8 17.8 53.4#



#94
 Hexachlorobutadiene
 Concen: 8.542 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007658.D
 Acq: 18 Dec 2018 15:09

Tgt Ion:225 Resp: 871
 Ion Ratio Lower Upper
 225 100
 223 74.4 32.1 96.3
 227 71.1 31.9 95.9





#95

Naphthalene

Concen: 121.585 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

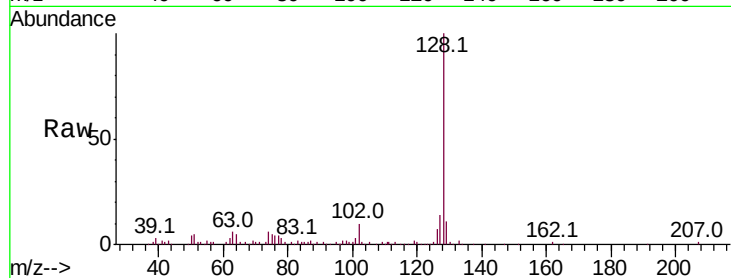
Tot Ion:128 Resp: 44700

Ion Ratio Lower Upper

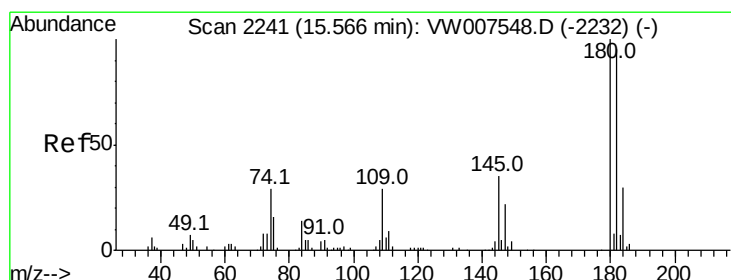
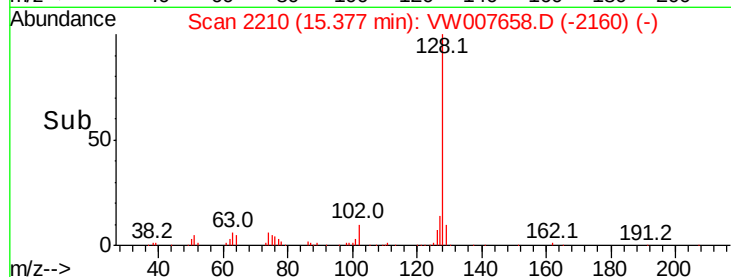
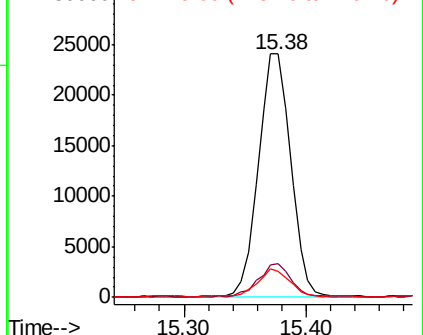
128 100

127 14.2 10.2 15.4

129 12.2 8.3 12.5



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



#96

1,2,3-Trichlorobenzene

Concen: 21.678 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007658.D

Acq: 18 Dec 2018 15:09

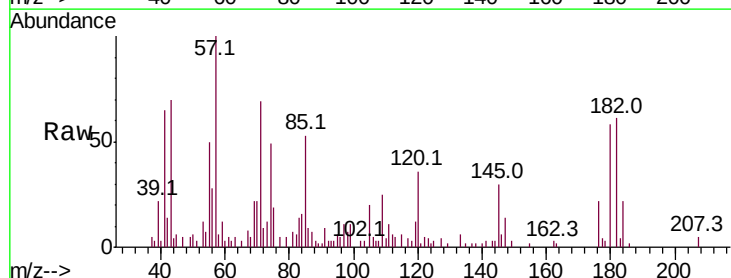
Tgt Ion:180 Resp: 3619

Ion Ratio Lower Upper

180 100

182 96.5 45.6 136.7

145 65.5 17.5 52.5#



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

