

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007883.D
 Acq On : 24 Dec 2018 12:50
 Operator : SY/AP
 Sample : VW1225SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:01:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	100377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	42028	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
35) Dibromofluoromethane	7.88	113	36907	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	145781	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.62	95	55252	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	12671	20.453	ug/l	88
3) Chloromethane	2.21	50	11072	29.105	ug/l	100
4) Vinyl Chloride	2.37	62	14286	29.501	ug/l	99
5) Bromomethane	2.78	94	8092	23.992	ug/l	97
6) Chloroethane	2.93	64	7170	27.676	ug/l	91
7) Trichlorofluoromethane	3.25	101	10575	20.976	ug/l	94
8) Diethyl Ether	3.68	74	7604	24.625	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16066	21.638	ug/l	98
10) Methyl Iodide	4.26	142	24864	21.057	ug/l	97
11) Tert butyl alcohol	5.17	59	6900	133.917	ug/l	99
12) 1,1-Dichloroethene	4.03	96	15714	22.855	ug/l	99
13) Acrolein	3.88	56	4911	119.208	ug/l	97
14) Allyl chloride	4.67	41	23021	25.533	ug/l	92
15) Acrylonitrile	5.37	53	16442	124.822	ug/l	99
16) Acetone	4.12	43	17911	125.226	ug/l	96
17) Carbon Disulfide	4.37	76	44129	20.741	ug/l	99
18) Methyl Acetate	4.67	43	8812	25.906	ug/l	91
19) Methyl tert-butyl Ether	5.43	73	24803	25.128	ug/l	94
20) Methylene Chloride	4.90	84	25218	33.128	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16240	21.477	ug/l	96
22) Diisopropyl ether	6.31	45	42421	25.127	ug/l	96
23) Vinyl Acetate	6.26	43	126193	125.810	ug/l	98
24) 1,1-Dichloroethane	6.21	63	27997	22.542	ug/l	97
25) 2-Butanone	7.17	43	21504	128.360	ug/l	95
26) 2,2-Dichloropropane	7.16	77	21494	23.650	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	17618	21.869	ug/l	95
28) Bromochloromethane	7.51	49	9612	22.699	ug/l	87
29) Tetrahydrofuran	7.53	42	13638	136.478	ug/l	93
30) Chloroform	7.67	83	29613	21.069	ug/l	99
31) Cyclohexane	7.95	56	27263	23.978	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	27597	21.559	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24584	22.656	ug/l	99
37) Ethyl Acetate	7.26	43	9353	24.975	ug/l	99
38) Carbon Tetrachloride	8.07	117	25557	19.999	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31137	23.092	ug/l	98
40) Benzene	8.32	78	64067	22.125	ug/l	98
41) Methacrylonitrile	7.48	41	5184	24.382	ug/l	97
42) 1,2-Dichloroethane	8.40	62	20624	21.253	ug/l	98
43) Isopropyl Acetate	8.43	43	19178	25.561	ug/l	96
44) Trichloroethene	9.09	130	18019	20.577	ug/l	90
45) 1,2-Dichloropropane	9.37	63	14882	23.162	ug/l	98
46) Dibromomethane	9.46	93	8428	21.309	ug/l	95
47) Bromodichloromethane	9.65	83	21160	20.351	ug/l	99
48) Methyl methacrylate	9.44	41	9311	24.862	ug/l	97
49) 1,4-Dioxane	9.45	88	2921	465.819	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	44655	125.938	ug/l	98
52) Toluene	10.39	92	43667	22.477	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	22494	21.750	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25275	22.125	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12132	22.250	ug/l	98
56) Ethyl methacrylate	10.65	69	15295	23.742	ug/l	95
57) 1,3-Dichloropropane	10.93	76	20923	23.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	35943	122.201	ug/l	97
59) 2-Hexanone	10.97	43	32940	132.096	ug/l	97
60) Dibromochloromethane	11.13	129	14175	19.634	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12090	21.896	ug/l	100
64) Tetrachloroethene	10.87	164	14882	20.937	ug/l	98
65) Chlorobenzene	11.66	112	47654	21.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15690	20.211	ug/l	97
67) Ethyl Benzene	11.73	91	85428	22.914	ug/l	95
68) m/p-Xylenes	11.84	106	65249	45.117	ug/l	99
69) o-Xylene	12.17	106	30232	22.301	ug/l	98
70) Styrene	12.18	104	49757	22.329	ug/l	99
71) Bromoform	12.35	173	7806	19.370	ug/l #	97
73) Isopropylbenzene	12.47	105	87902	23.262	ug/l	100
74) N-amyl acetate	12.27	43	17626	26.928	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	13429	23.702	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18801	48.658	ug/l #	100
77) Bromobenzene	12.75	156	18710	21.605	ug/l	94
78) n-propylbenzene	12.81	91	101548	23.085	ug/l	99
79) 2-Chlorotoluene	12.90	91	58934	22.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	74056	22.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4354	23.653	ug/l	96
82) 4-Chlorotoluene	12.99	91	61698	22.613	ug/l	100
83) tert-Butylbenzene	13.21	119	66189	23.143	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	74661	22.700	ug/l	100
85) sec-Butylbenzene	13.39	105	92745	23.530	ug/l	99
86) p-Isopropyltoluene	13.51	119	81571	22.759	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	38261	22.252	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37818	21.988	ug/l	99
89) n-Butylbenzene	13.83	91	76877	23.394	ug/l	99
90) Hexachloroethane	14.10	117	12410	19.722	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	33755	21.926	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2547	21.890	ug/l	96

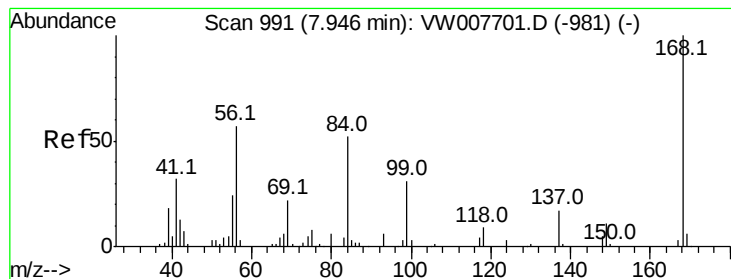
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23785	22.257	ug/l	99
94) Hexachlorobutadiene	15.24	225	12878	22.549	ug/l	98
95) Naphthalene	15.37	128	47634	24.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	20536	22.450	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

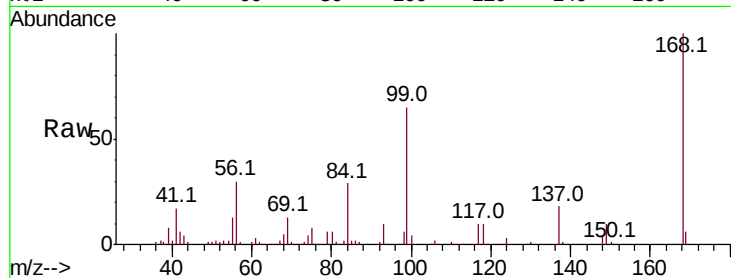
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 69687

Ion Ratio Lower Upper

168 100

99 64.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

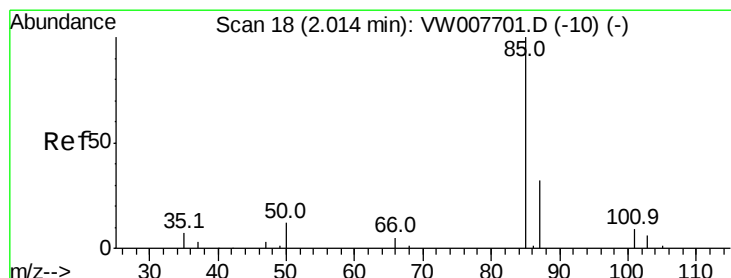
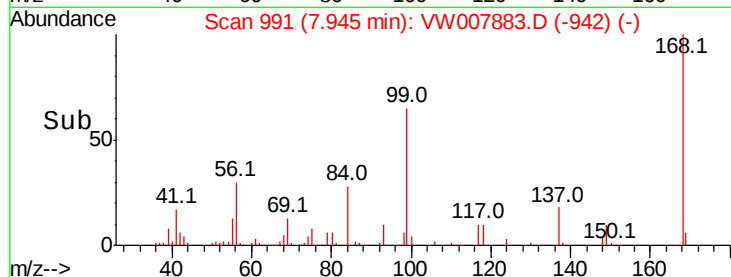
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.453 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007883.D

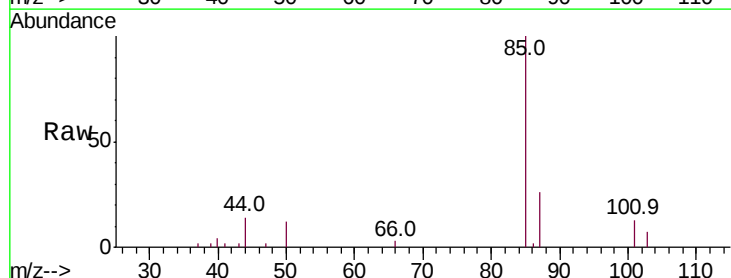
Acq: 24 Dec 2018 12:50

Tgt Ion: 85 Resp: 12671

Ion Ratio Lower Upper

85 100

87 25.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

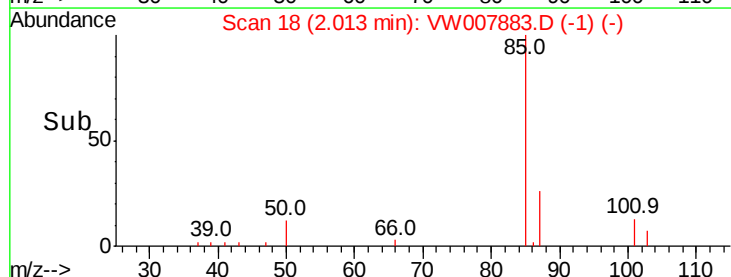
2000

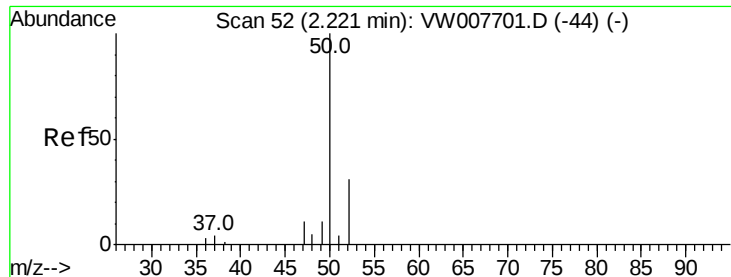
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 29.105 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

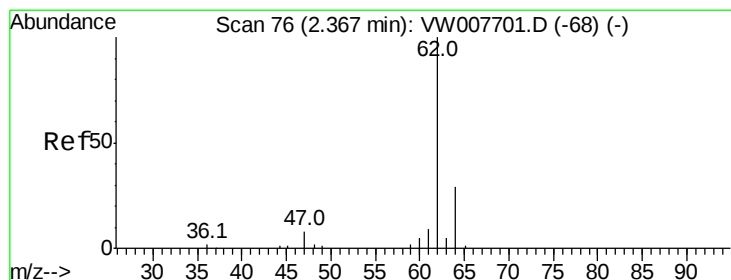
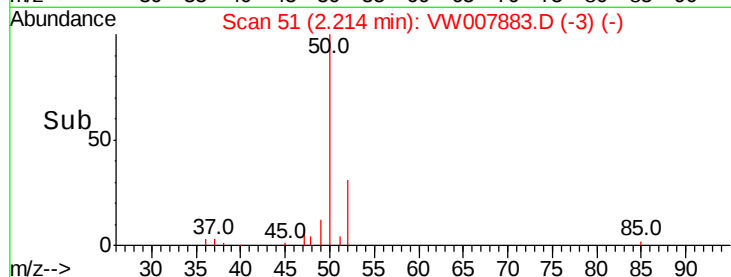
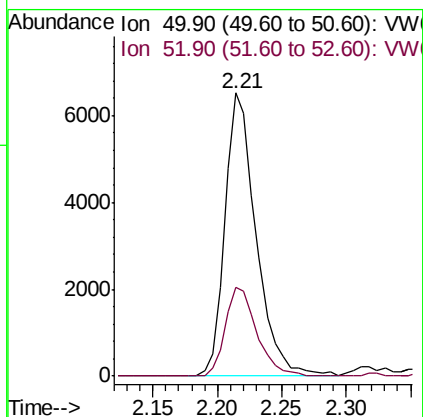
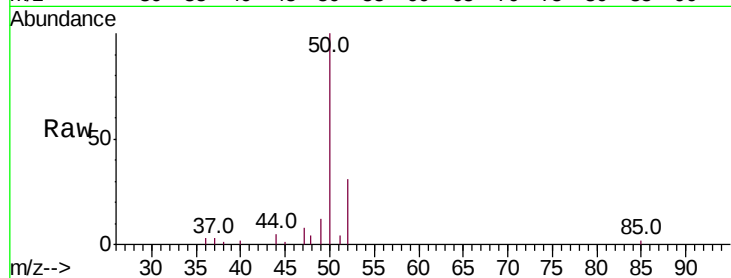
ClientSampled :

Tot Ion: 50 Resp: 11072

Ion Ratio Lower Upper

50 100

52 31.3 25.1 37.7



#4

Vinyl Chloride

Concen: 29.501 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007883.D

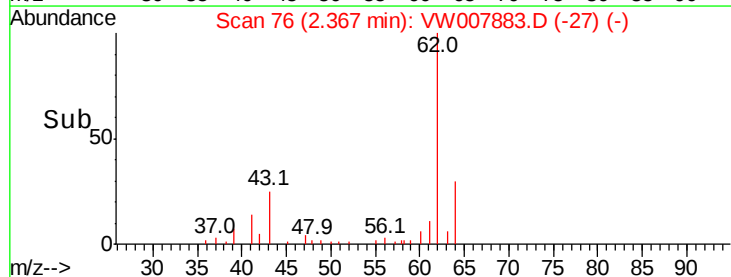
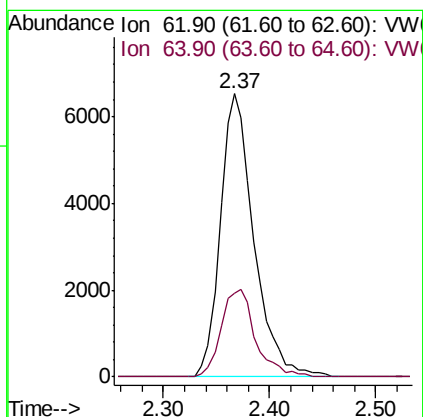
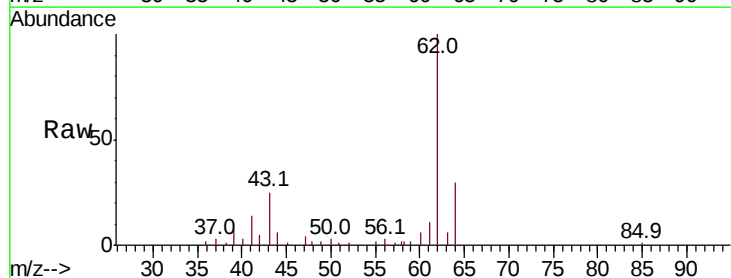
Acq: 24 Dec 2018 12:50

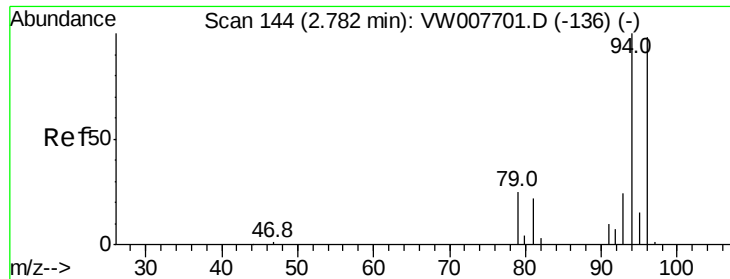
Tgt Ion: 62 Resp: 14286

Ion Ratio Lower Upper

62 100

64 29.8 23.4 35.0





#5

Bromomethane

Concen: 23.992 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

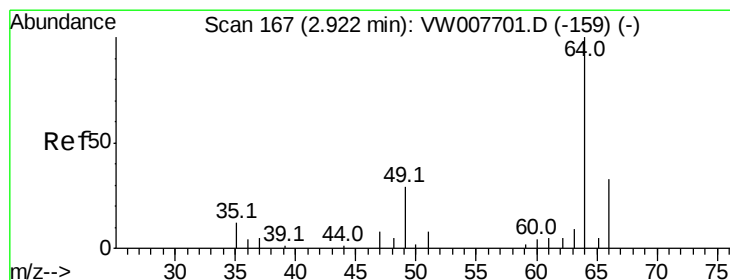
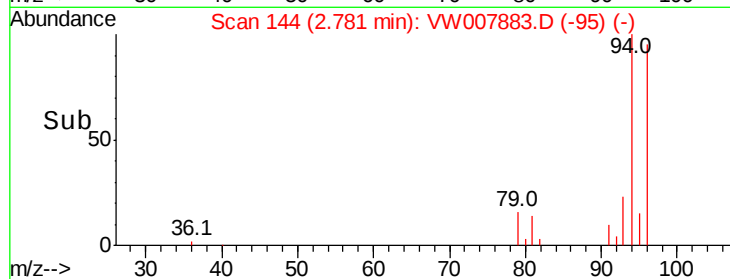
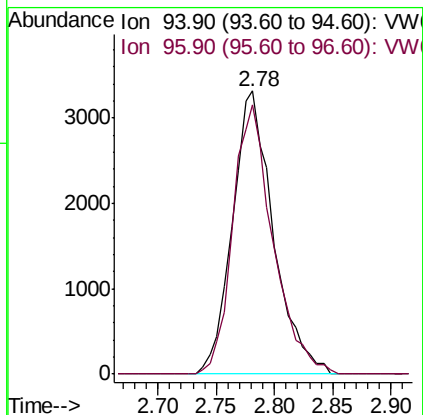
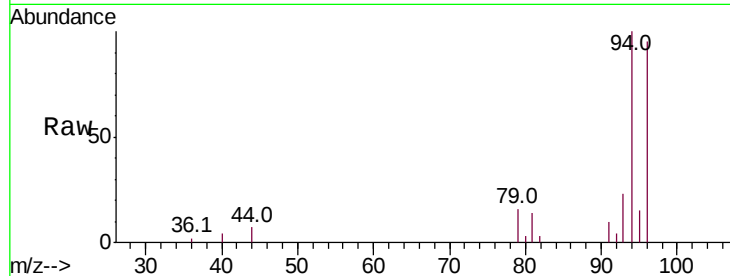
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 8092

Ion Ratio Lower Upper

94 100

96 95.0 78.2 117.2



#6

Chloroethane

Concen: 27.676 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007883.D

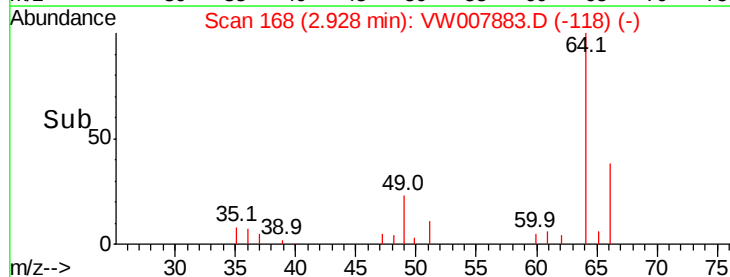
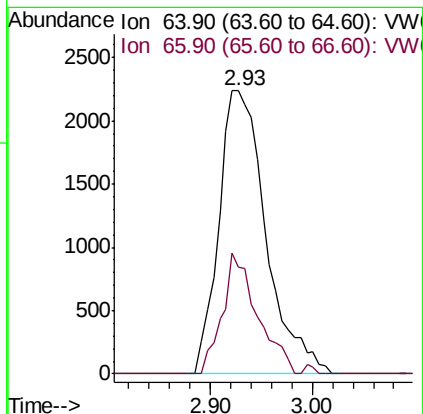
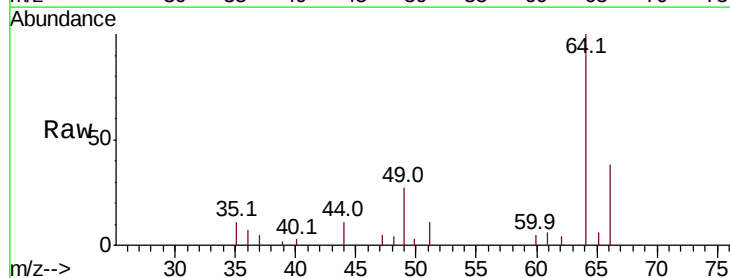
Acq: 24 Dec 2018 12:50

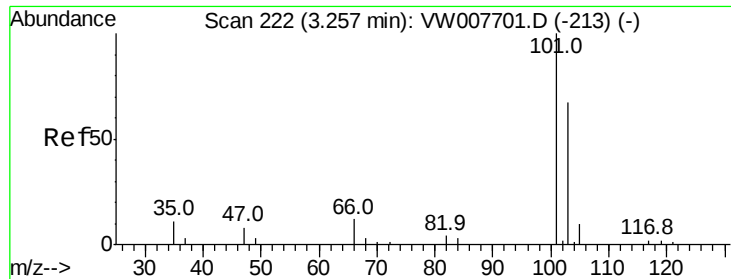
Tgt Ion: 64 Resp: 7170

Ion Ratio Lower Upper

64 100

66 37.6 26.2 39.4



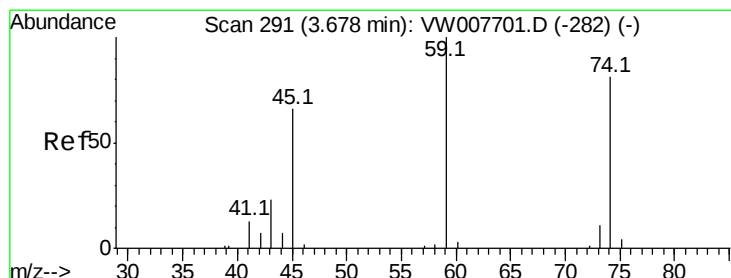
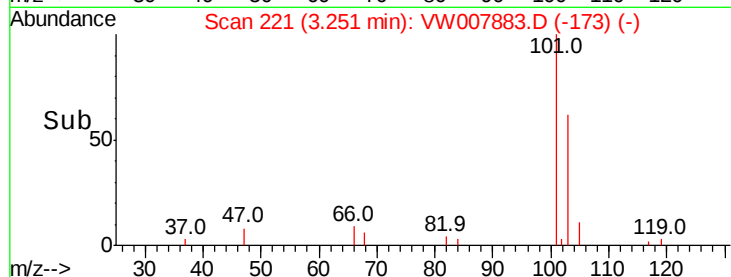
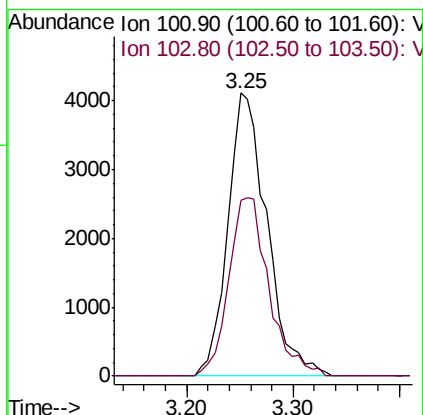
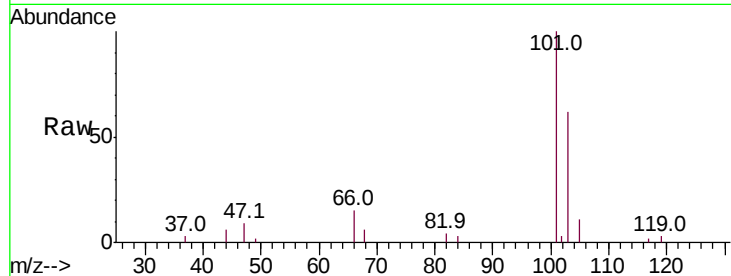


#7

Trichlorofluoromethane
 Concen: 20.976 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Instrument :
 MSVOA_W
 ClientSampleId :

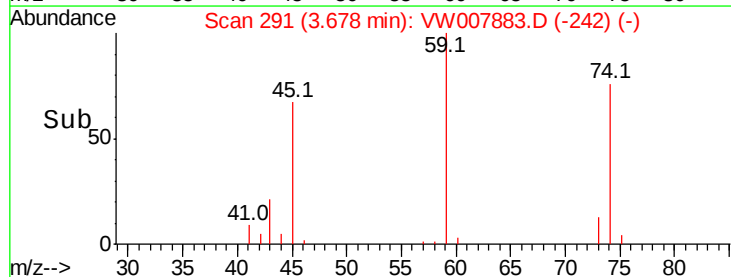
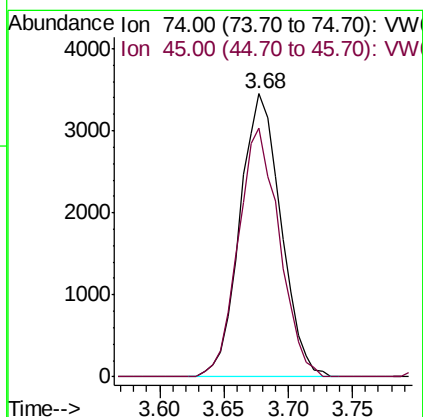
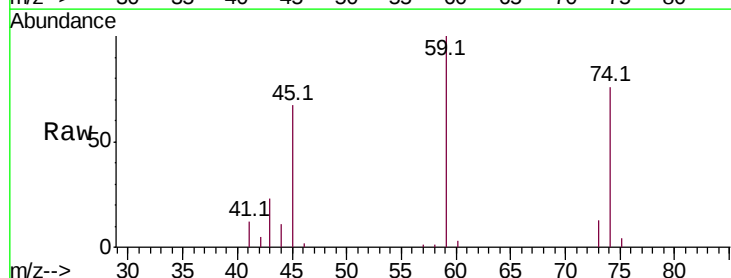
Tot Ion:101 Resp: 10575
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.4 80.2

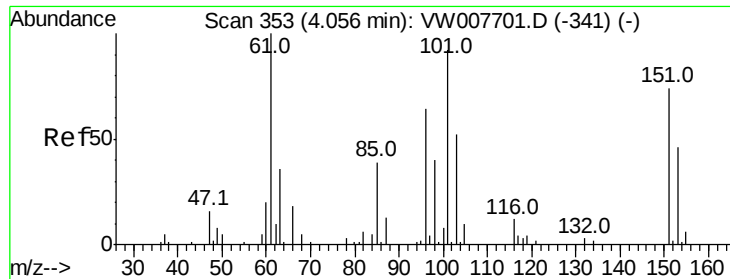


#8

Diethyl Ether
 Concen: 24.625 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Tgt Ion: 74 Resp: 7604
 Ion Ratio Lower Upper
 74 100
 45 88.0 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.638 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampled :

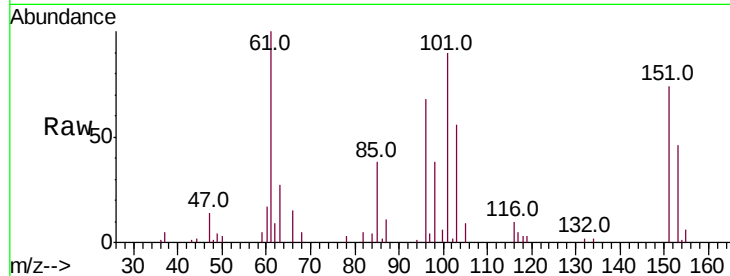
Tot Ion:101 Resp: 16066

Ion Ratio Lower Upper

101 100

85 44.7 34.3 51.5

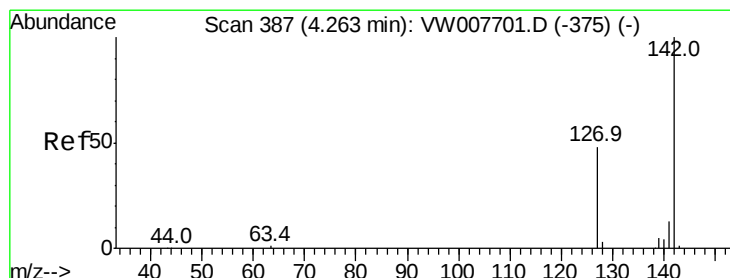
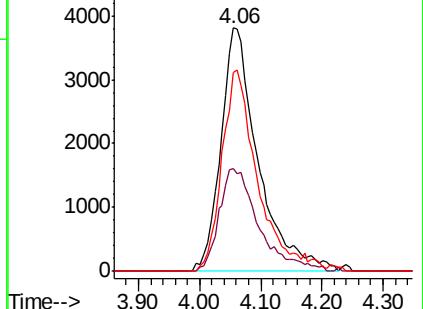
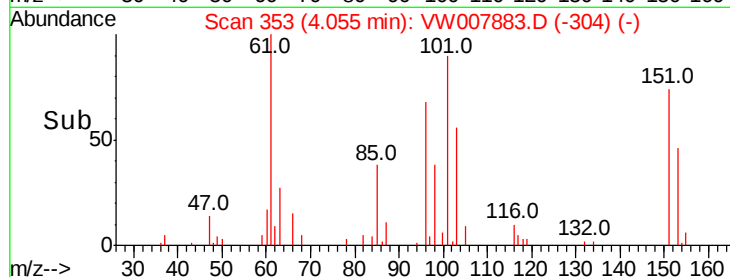
151 79.5 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.057 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

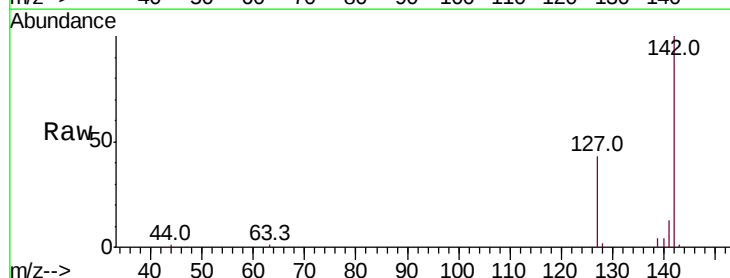
Tgt Ion:142 Resp: 24864

Ion Ratio Lower Upper

142 100

127 44.3 37.7 56.5

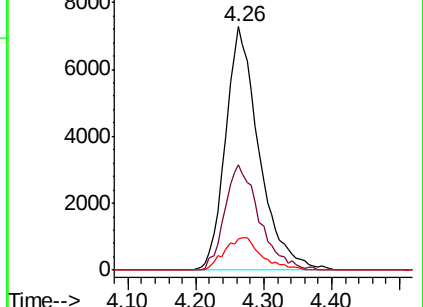
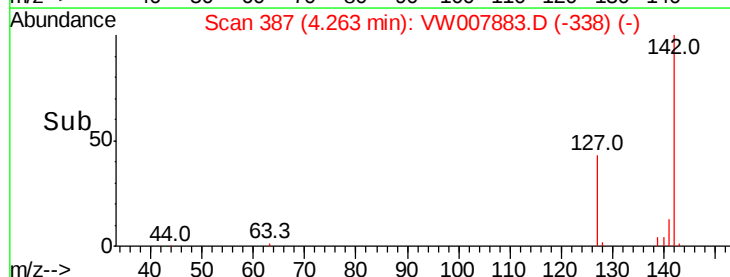
141 14.7 11.5 17.3

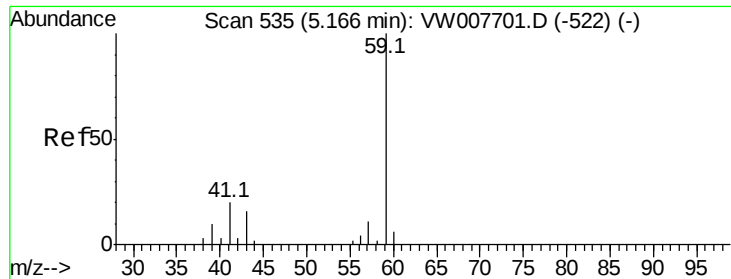


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



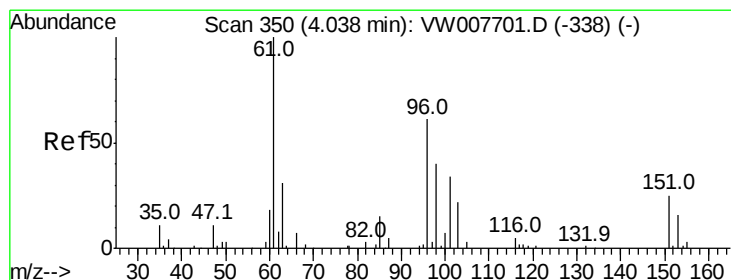
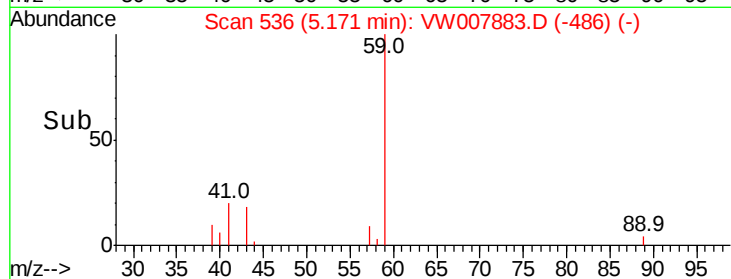
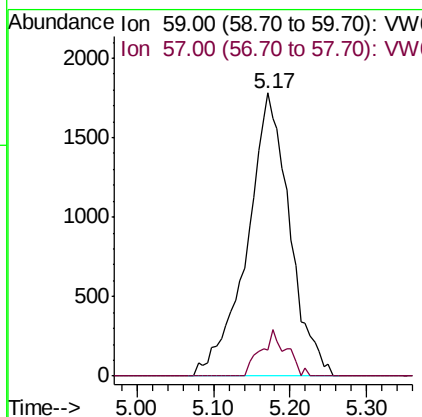
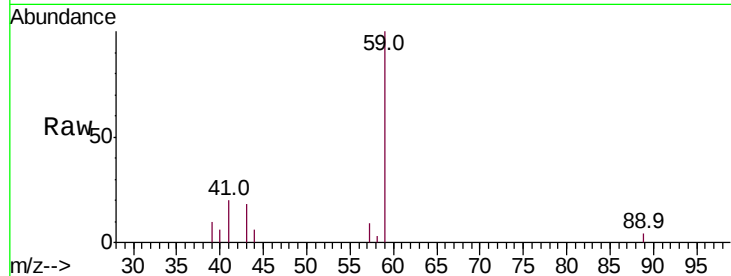


#11

Tert butyl alcohol
 Concen: 133.917 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Instrument :
 MSVOA_W
 ClientSampleId :

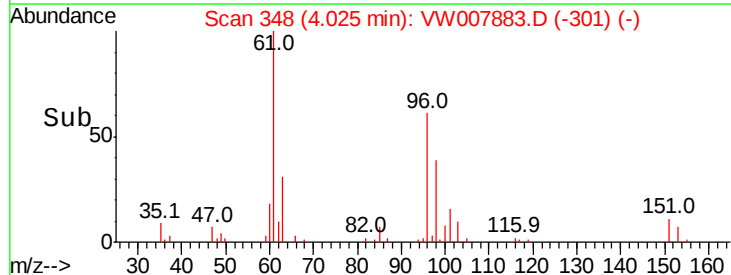
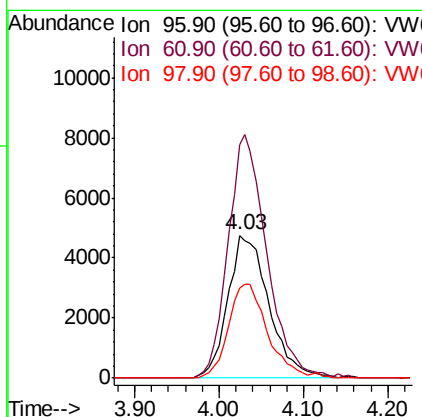
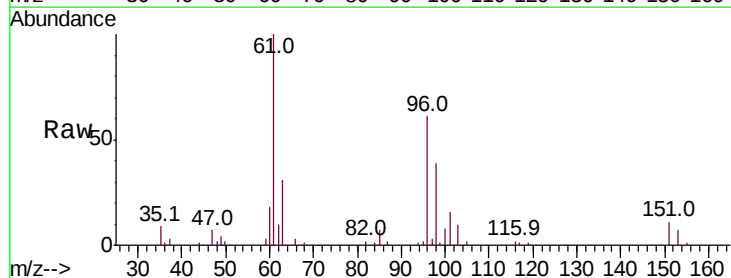
Tot Ion: 59 Resp: 6900
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.8

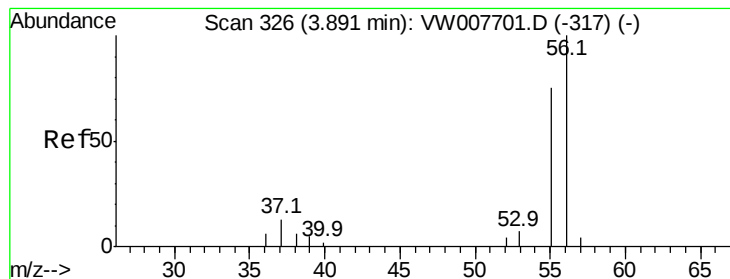


#12

1,1-Dichloroethene
 Concen: 22.855 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Tgt Ion: 96 Resp: 15714
 Ion Ratio Lower Upper
 96 100
 61 163.0 130.6 195.8
 98 63.2 52.3 78.5





#13

Acrolein

Concen: 119.208 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

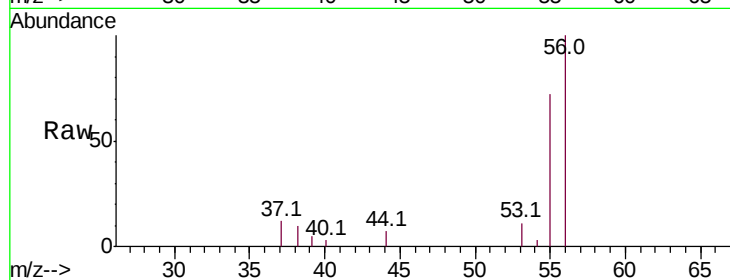
ClientSampleId :

Tot Ion: 56 Resp: 4911

Ion Ratio Lower Upper

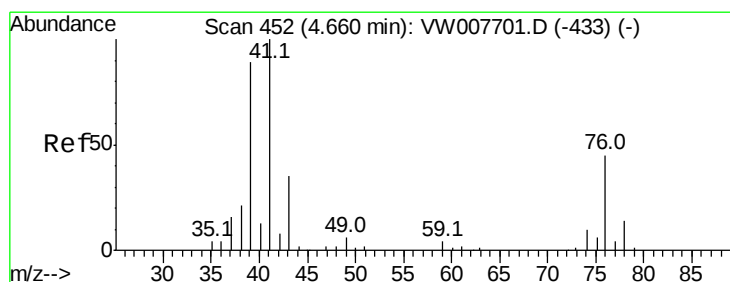
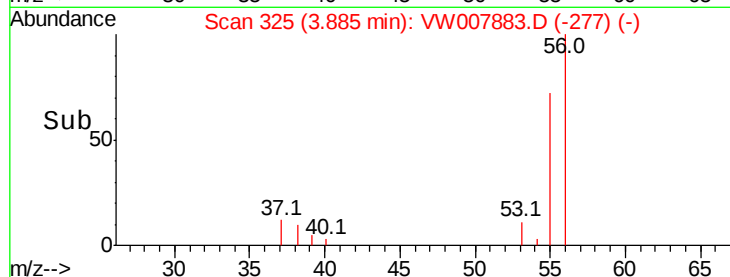
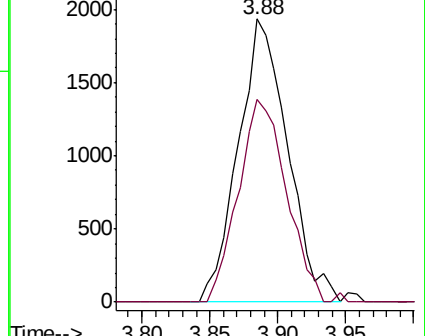
56 100

55 69.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 25.533 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

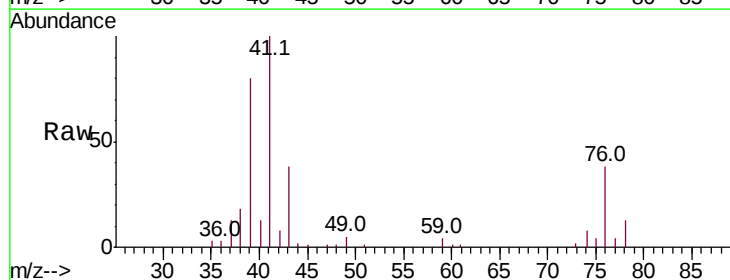
Tgt Ion: 41 Resp: 23021

Ion Ratio Lower Upper

41 100

39 79.4 69.5 104.3

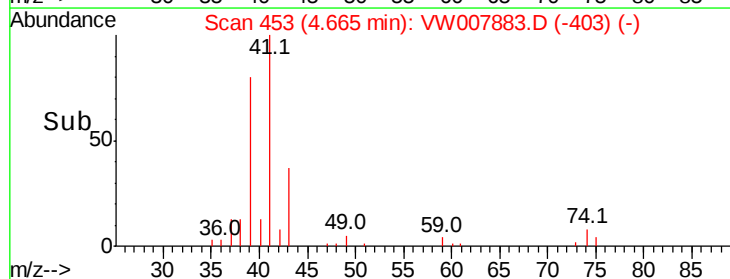
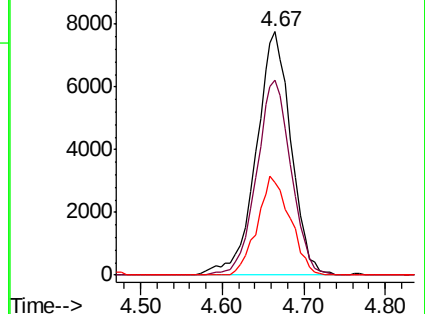
76 38.3 34.8 52.2

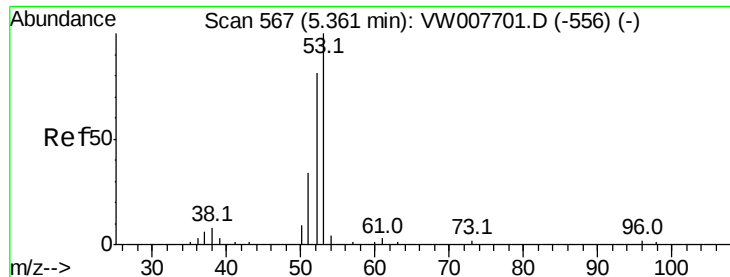


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 124.822 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampleId :

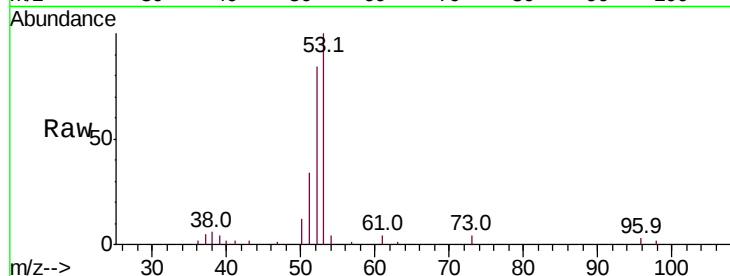
Tot Ion: 53 Resp: 16442

Ion Ratio Lower Upper

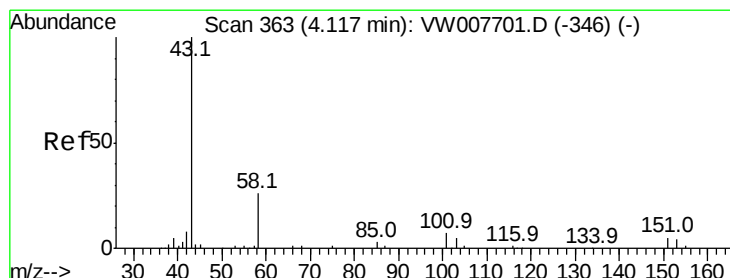
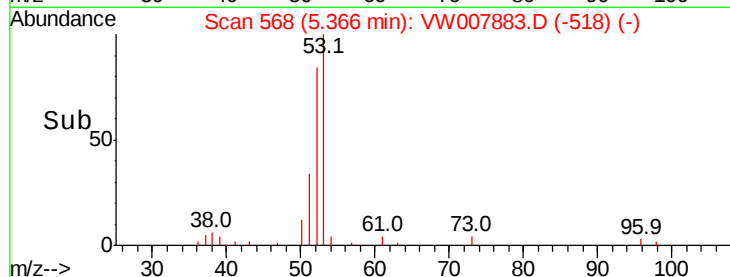
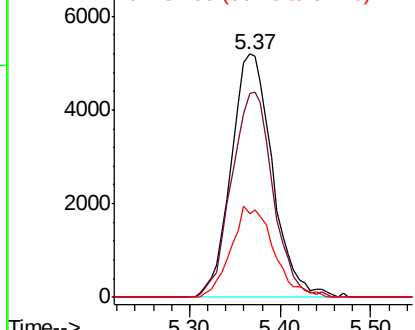
53 100

52 84.4 67.0 100.4

51 38.2 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 125.226 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007883.D

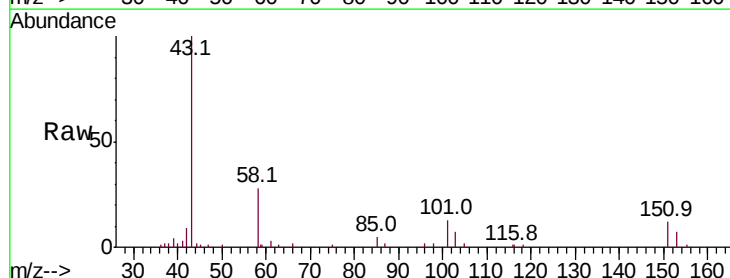
Acq: 24 Dec 2018 12:50

Tgt Ion: 43 Resp: 17911

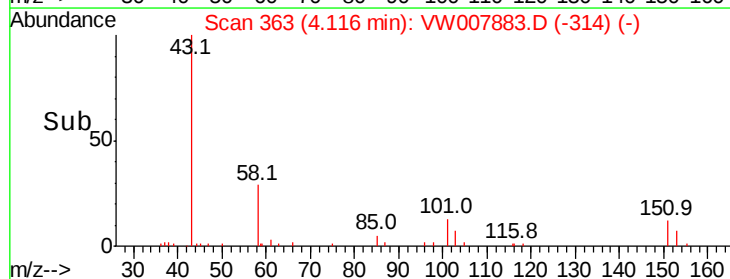
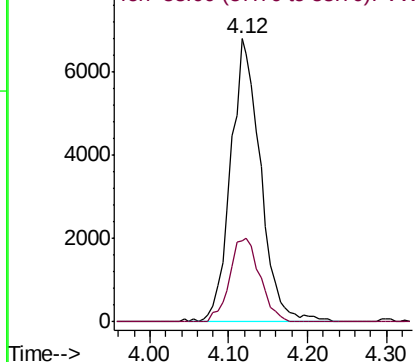
Ion Ratio Lower Upper

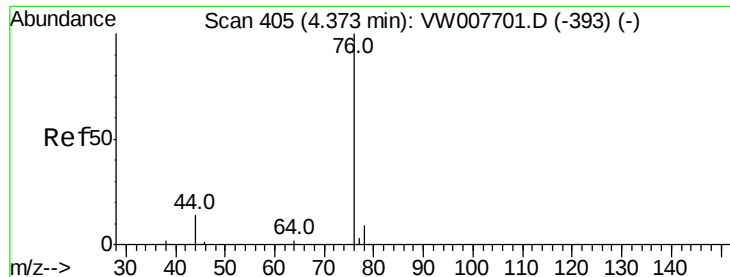
43 100

58 28.5 21.2 31.8



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

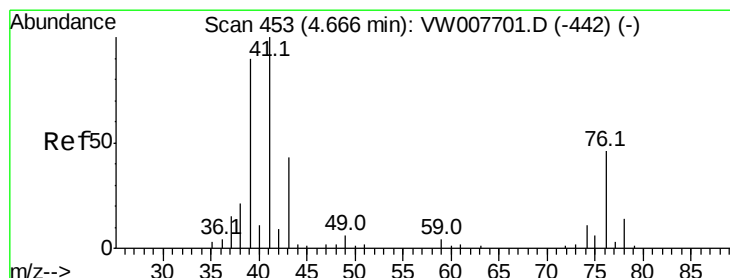
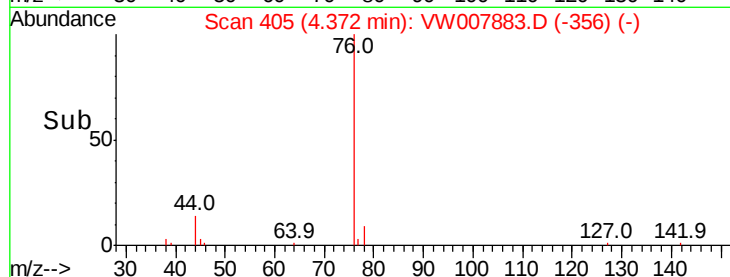
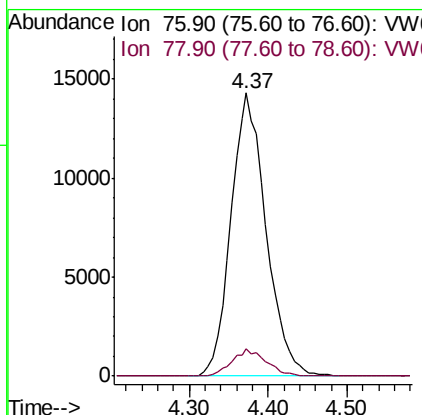
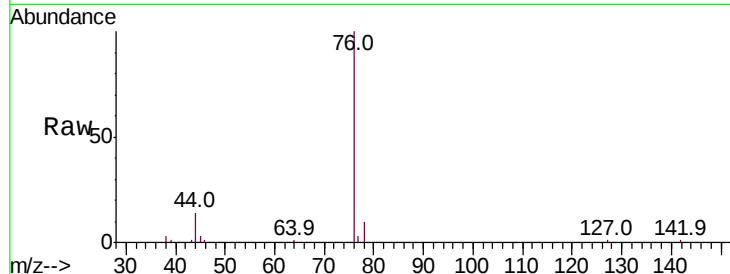




#17
Carbon Disulfide
Concen: 20.741 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

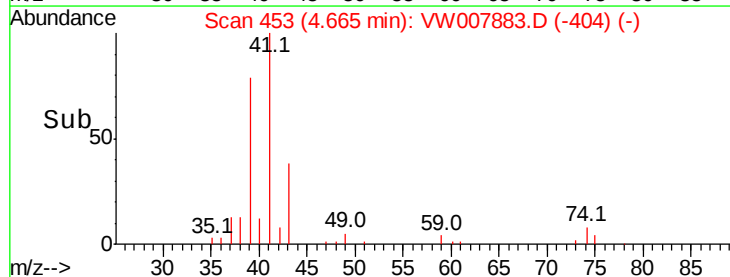
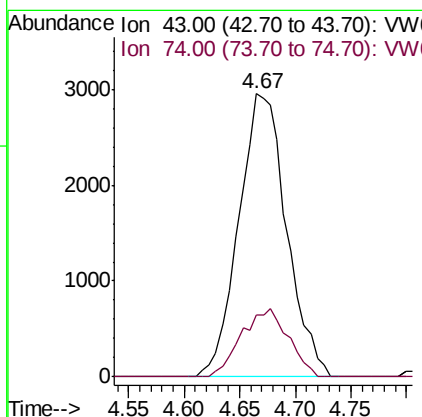
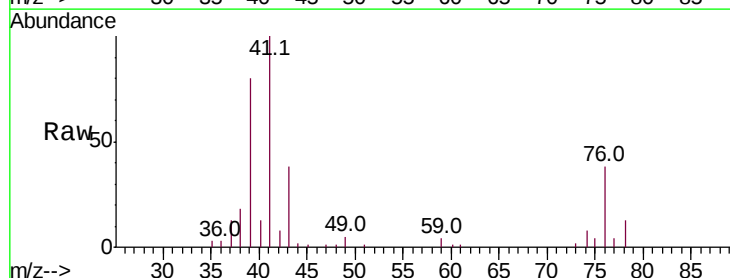
Instrument :
MSVOA_W
ClientSampleId :

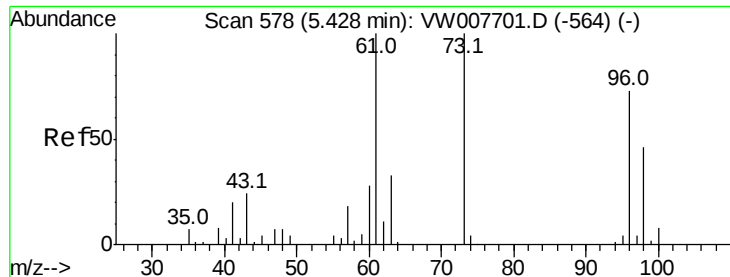
Tot Ion: 76 Resp: 44129
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 25.906 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 43 Resp: 8812
Ion Ratio Lower Upper
43 100
74 23.6 22.7 34.1

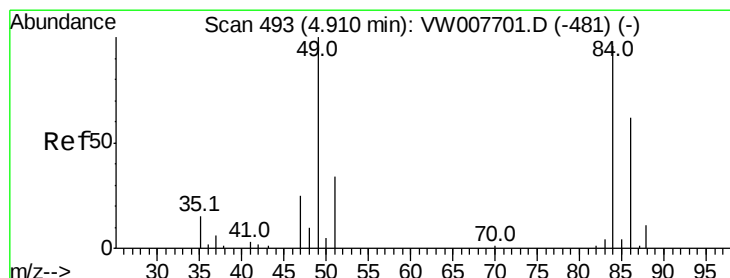
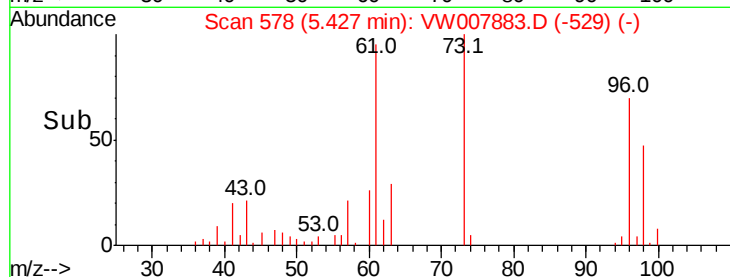
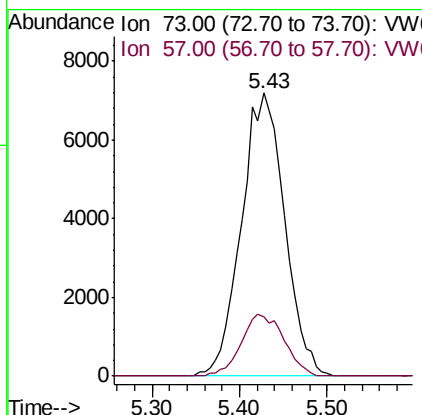
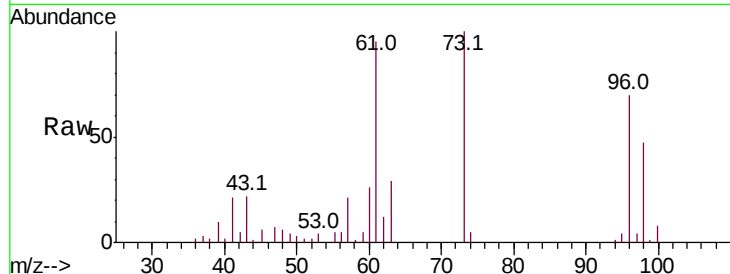




#19
Methvl tert-butvl Ether
Concen: 25.128 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

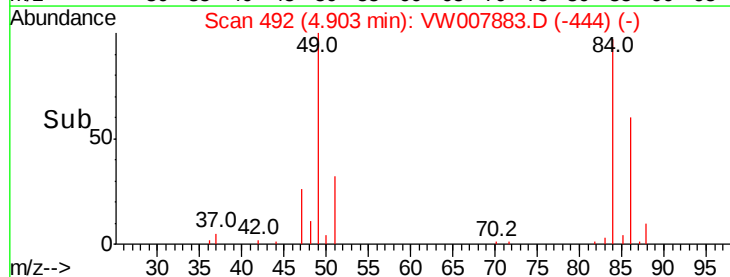
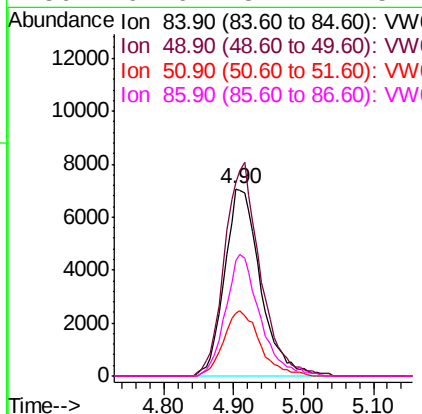
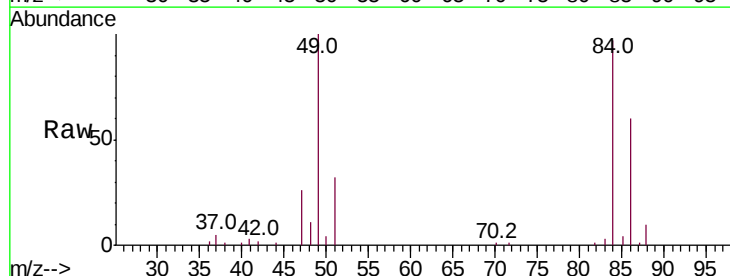
Instrument :
MSVOA_W
ClientSampled :

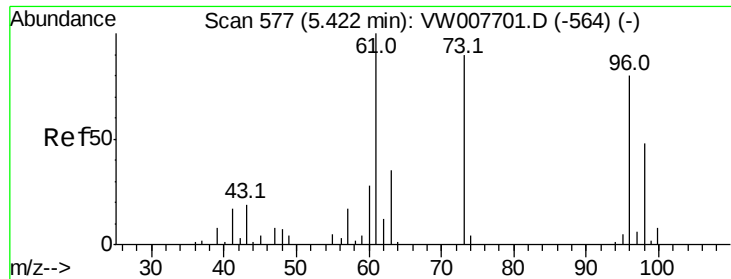
Tot Ion: 73 Resp: 24803
Ion Ratio Lower Upper
73 100
57 20.9 14.7 22.1



#20
Methylene Chloride
Concen: 33.128 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 84 Resp: 25218
Ion Ratio Lower Upper
84 100
49 102.9 83.7 125.5
51 33.2 28.2 42.2
86 61.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.477 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampled :

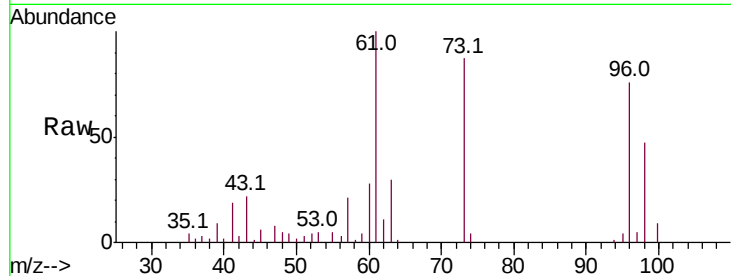
Tot Ion: 96 Resp: 16240

Ion Ratio Lower Upper

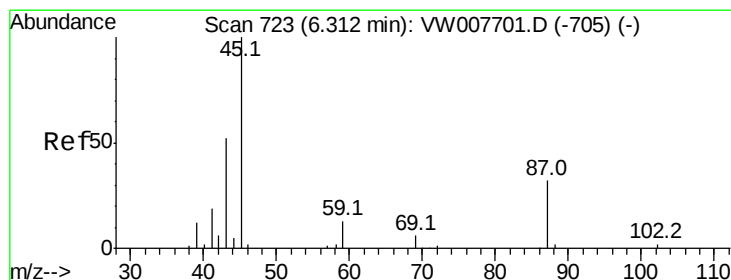
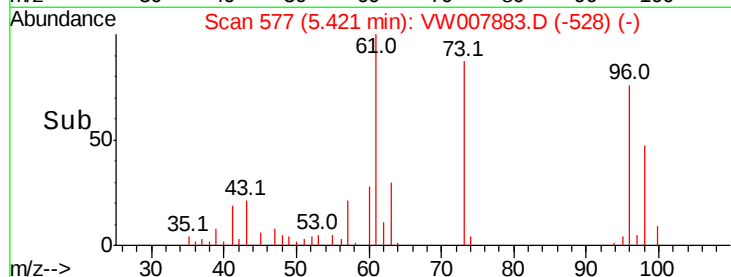
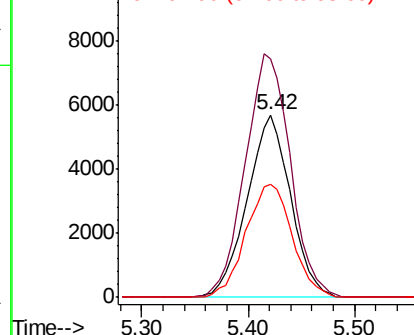
96 100

61 130.8 100.1 150.1

98 61.9 48.5 72.7



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



#22

Diisopropyl ether

Concen: 25.127 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Tgt Ion: 45 Resp: 42421

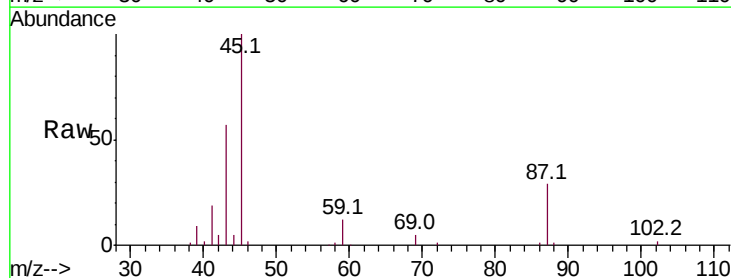
Ion Ratio Lower Upper

45 100

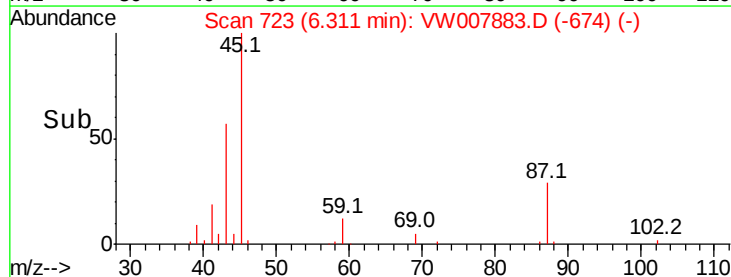
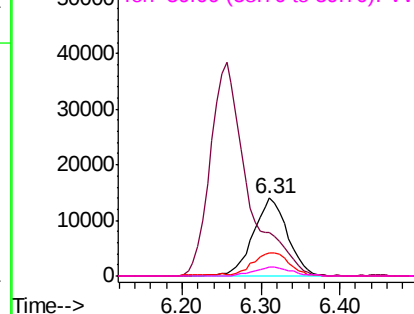
43 56.0 43.7 65.5

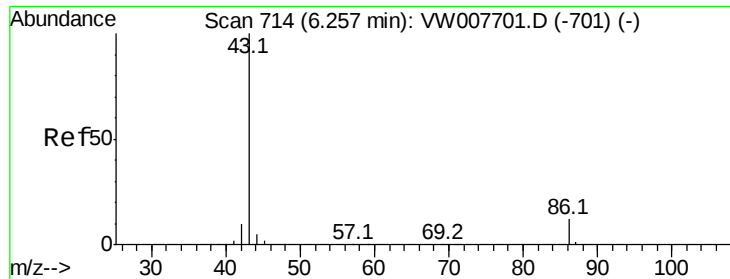
87 29.1 26.6 40.0

59 11.9 10.2 15.2



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





#23

Vinyl Acetate

Concen: 125.810 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

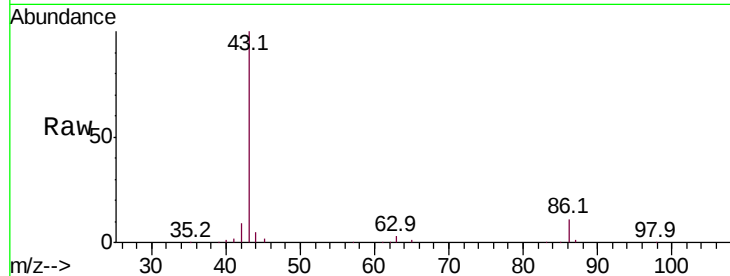
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 126193

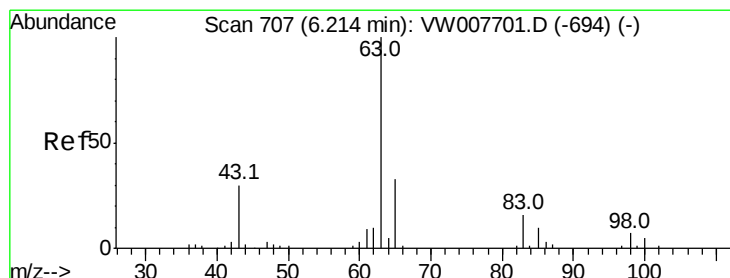
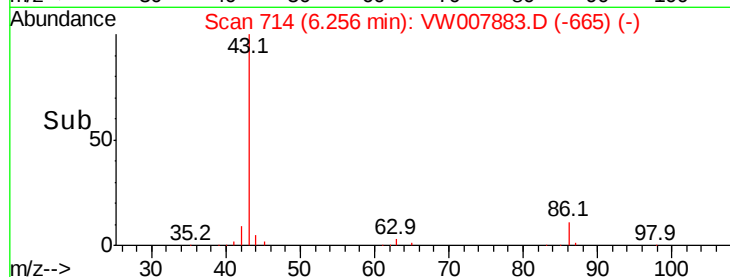
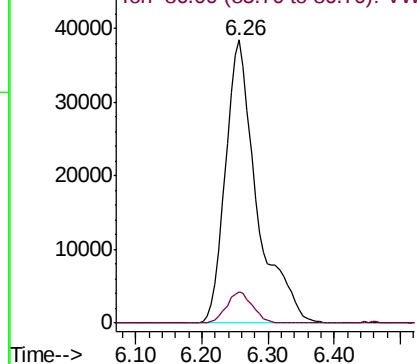
Ion Ratio Lower Upper

43 100

86 11.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.542 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

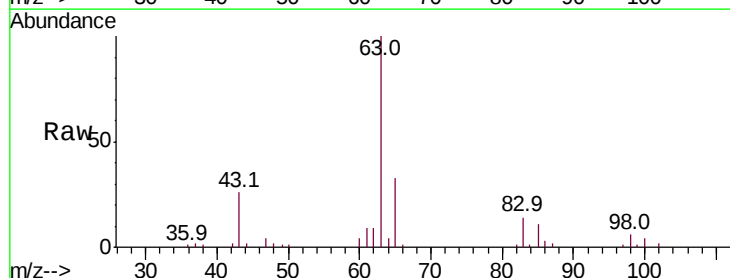
Tgt Ion: 63 Resp: 27997

Ion Ratio Lower Upper

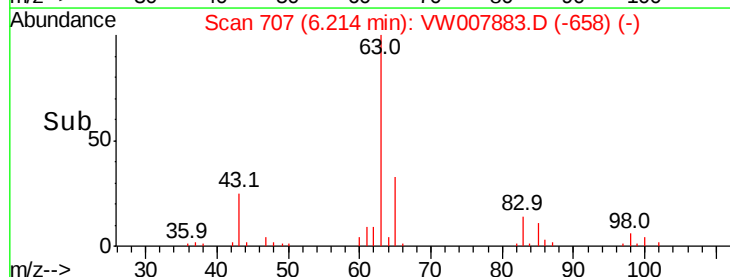
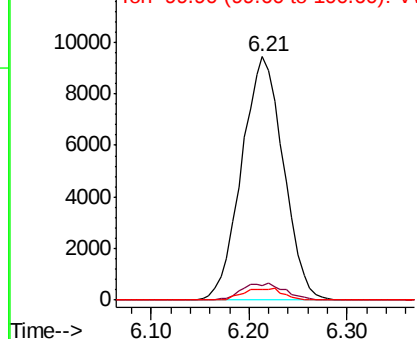
63 100

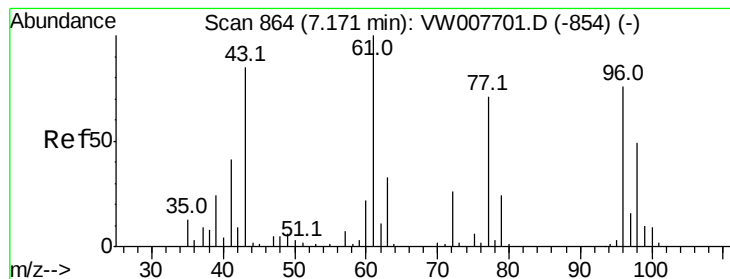
98 6.1 3.6 10.9

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 128.360 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

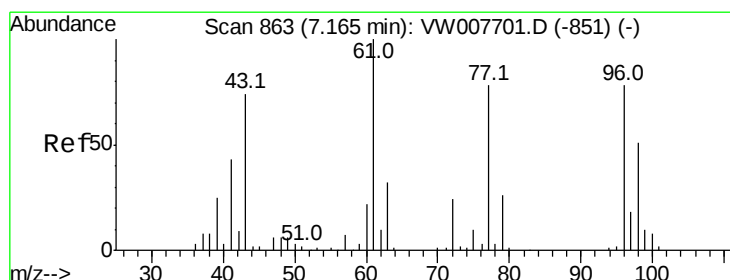
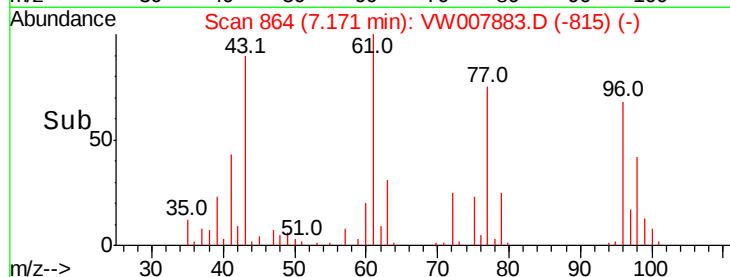
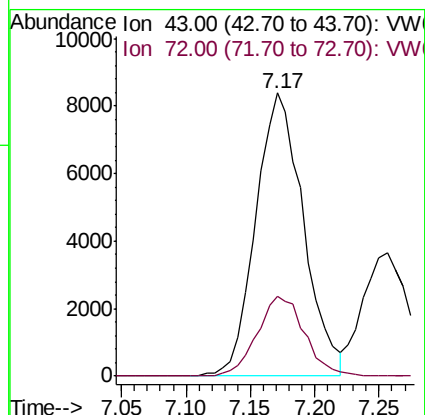
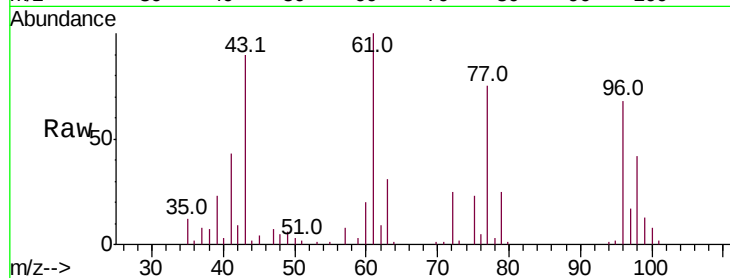
ClientSampled :

Tot Ion: 43 Resp: 21504

Ion Ratio Lower Upper

43 100

72 28.0 24.5 36.7



#26

2,2-Dichloropropane

Concen: 23.650 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007883.D

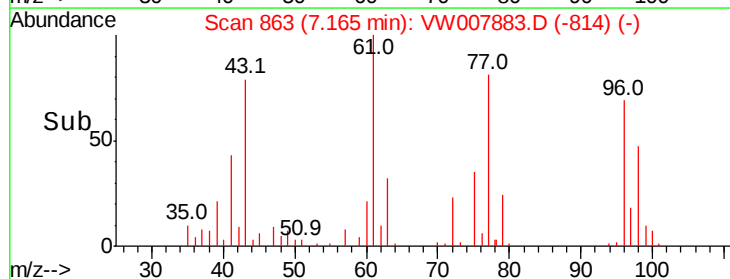
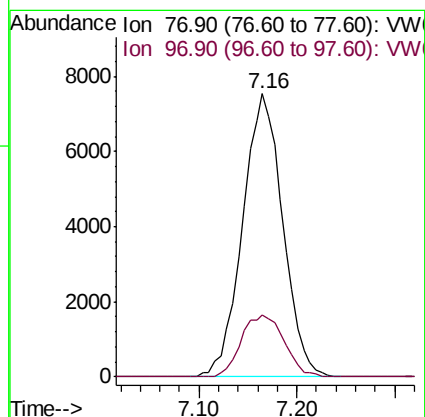
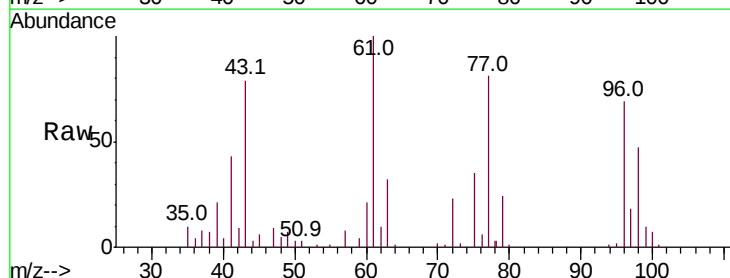
Acq: 24 Dec 2018 12:50

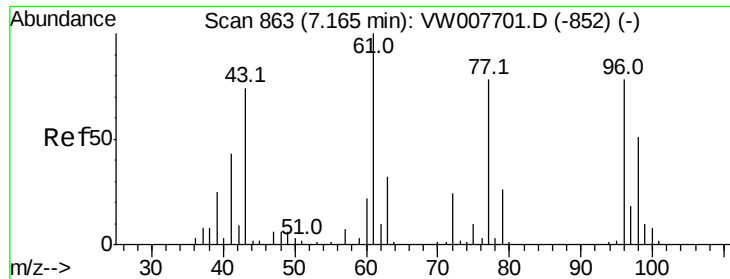
Tgt Ion: 77 Resp: 21494

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9



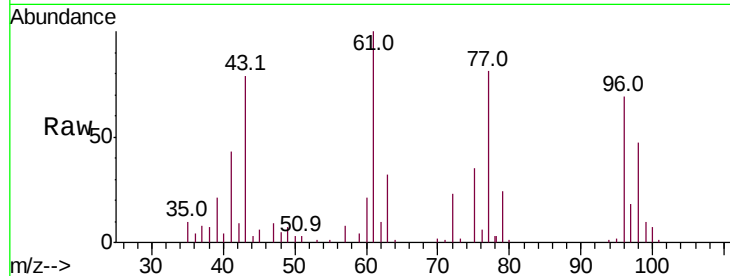


#27

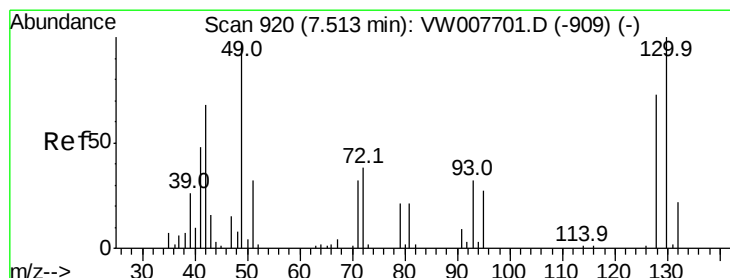
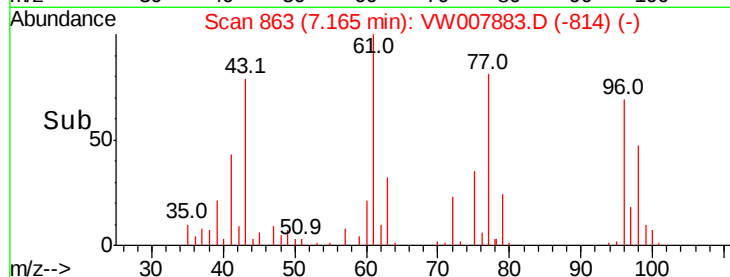
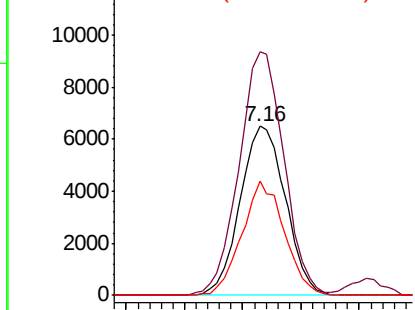
cis-1,2-Dichloroethene
Concen: 21.869 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 17618
Ion Ratio Lower Upper
96 100
61 142.9 0.0 271.6
98 63.3 0.0 131.2



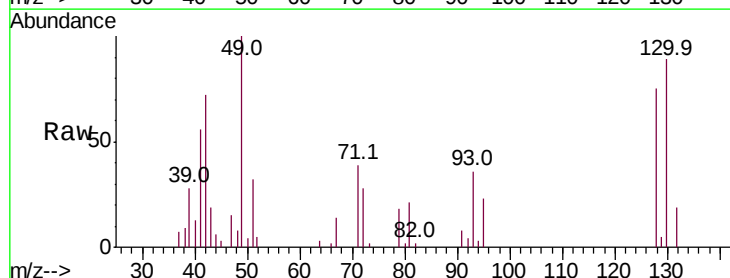
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



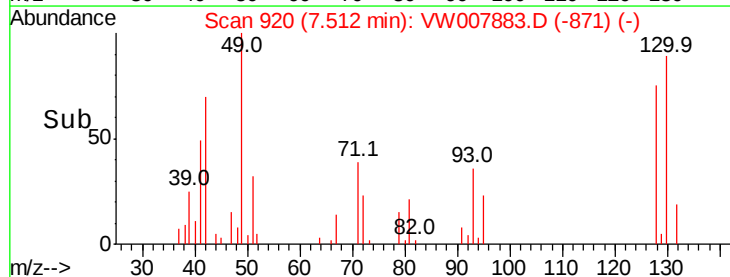
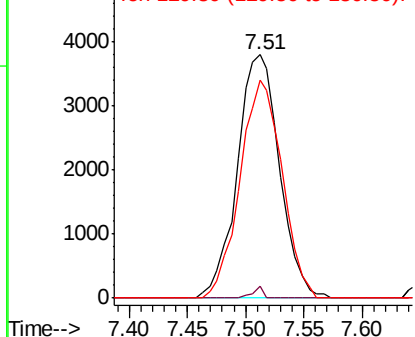
#28

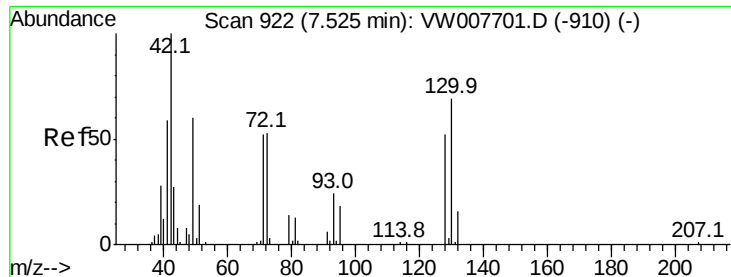
Bromochloromethane
Concen: 22.699 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 49 Resp: 9612
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.2
130 89.0 81.5 122.3



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

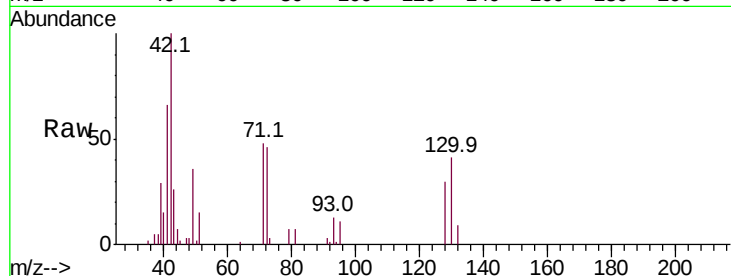




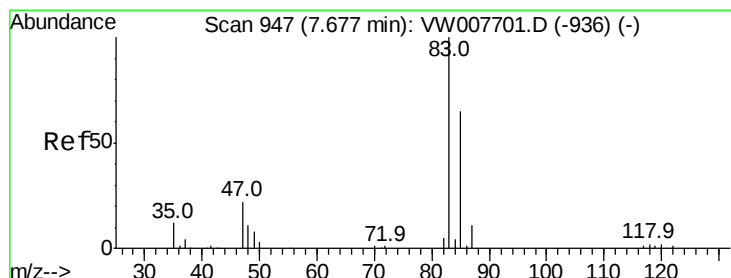
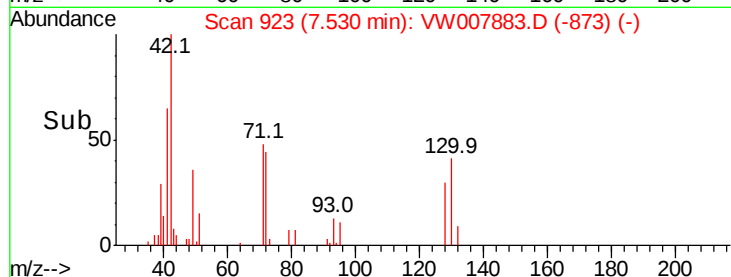
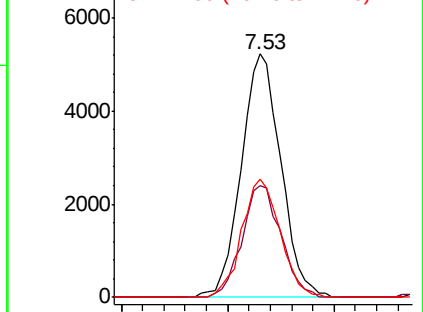
#29
Tetrahydrofuran
Concen: 136.478 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 13638
Ion Ratio Lower Upper
42 100
72 45.0 41.7 62.5
71 46.8 39.0 58.6

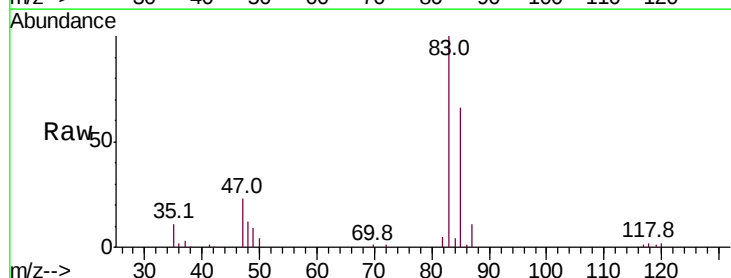


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

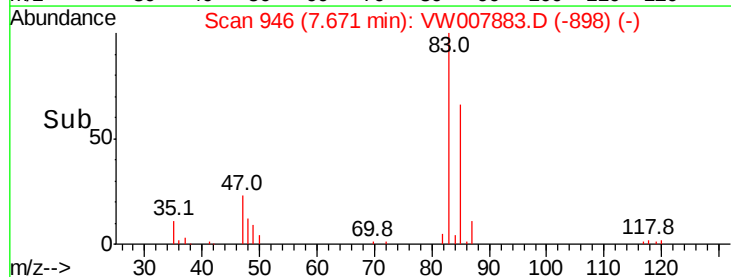
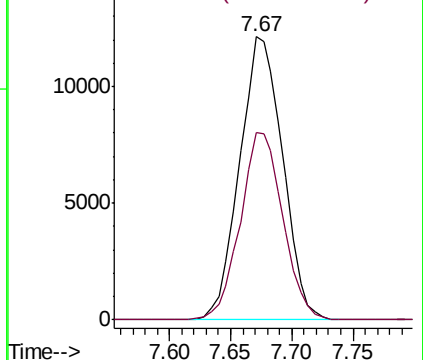


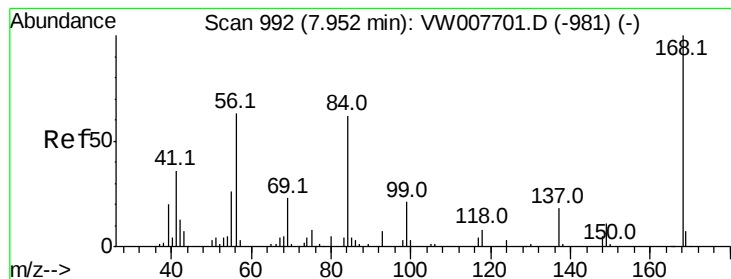
#30
Chloroform
Concen: 21.069 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 83 Resp: 29613
Ion Ratio Lower Upper
83 100
85 66.4 52.2 78.2



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





#31

Cyclohexane

Concen: 23.978 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

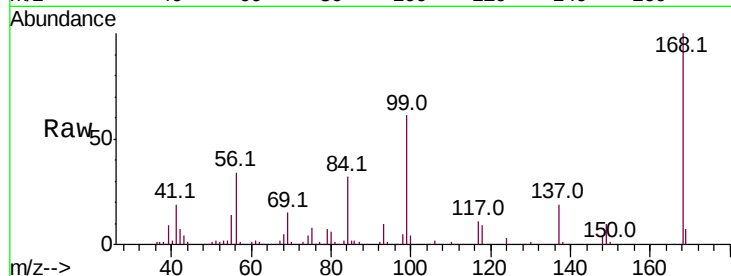
Tot Ion: 56 Resp: 27263

Ion Ratio Lower Upper

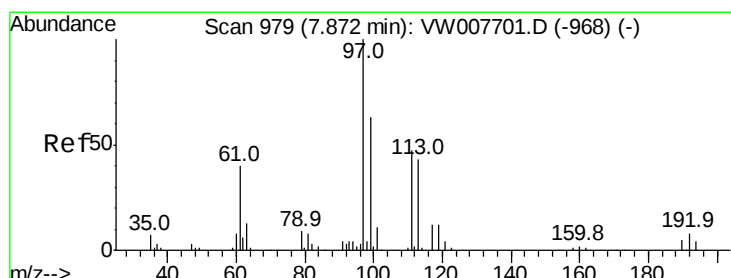
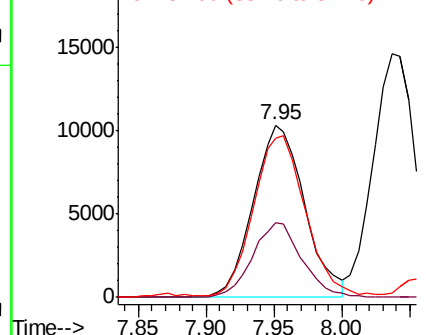
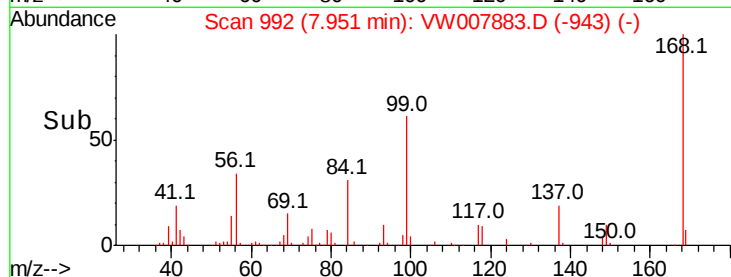
56 100

69 43.2 29.7 44.5

84 91.7 78.9 118.3



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



#32

1,1,1-Trichloroethane

Concen: 21.559 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

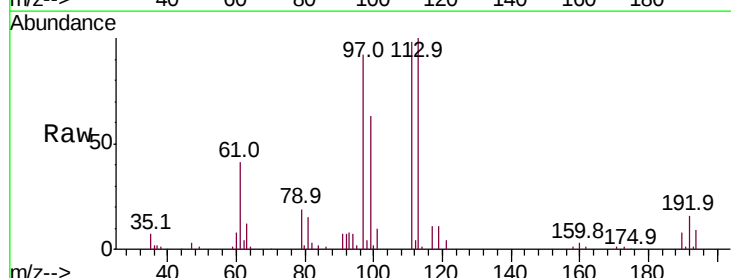
Tgt Ion: 97 Resp: 27597

Ion Ratio Lower Upper

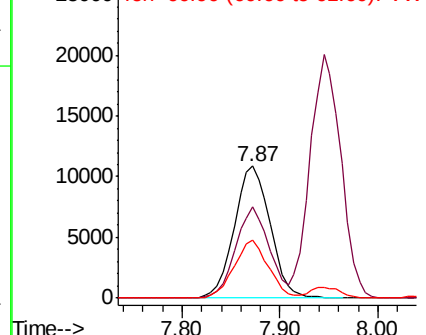
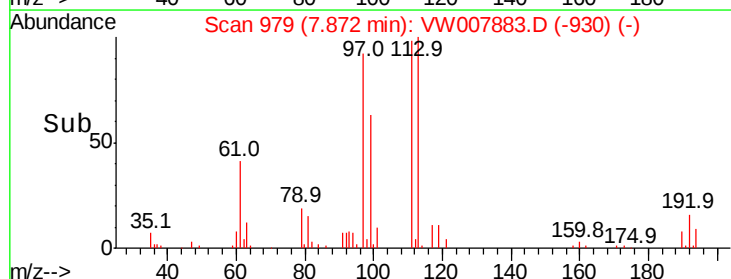
97 100

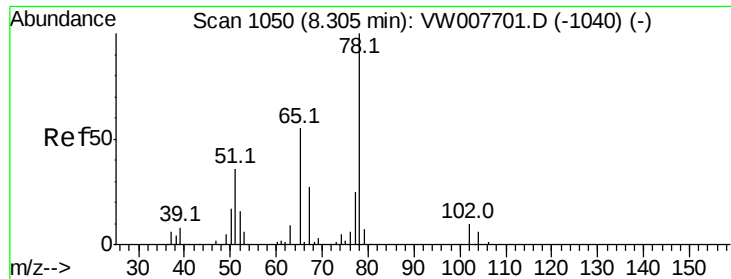
99 65.0 50.6 76.0

61 42.3 32.3 48.5



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





#33

1,2-Dichloroethane-d4

Concen: 55.025 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

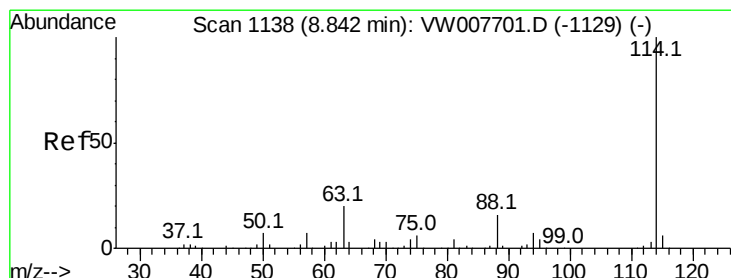
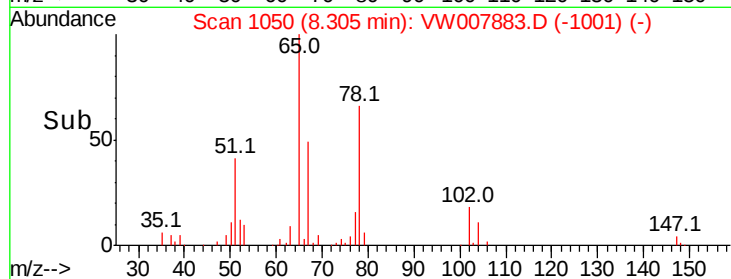
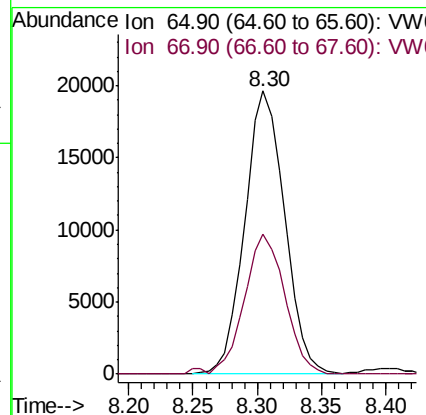
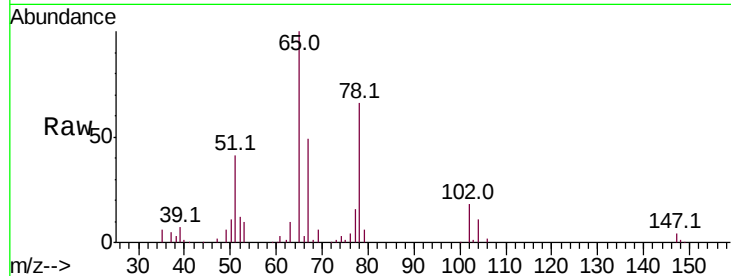
ClientSampled :

Tot Ion: 65 Resp: 42028

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

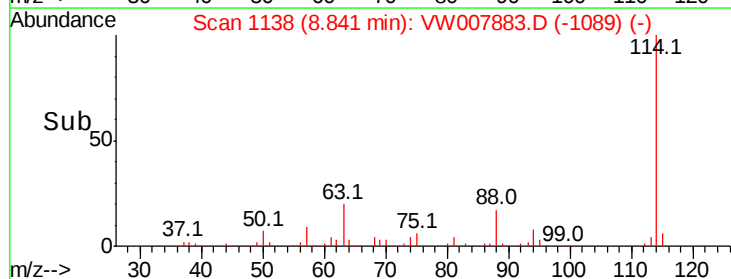
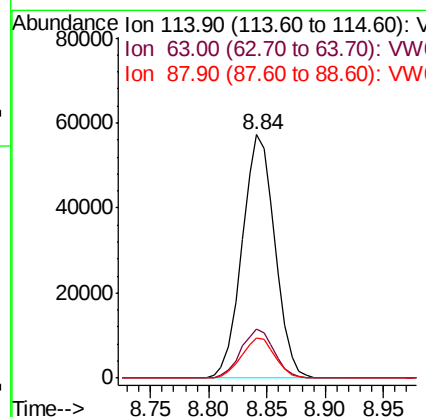
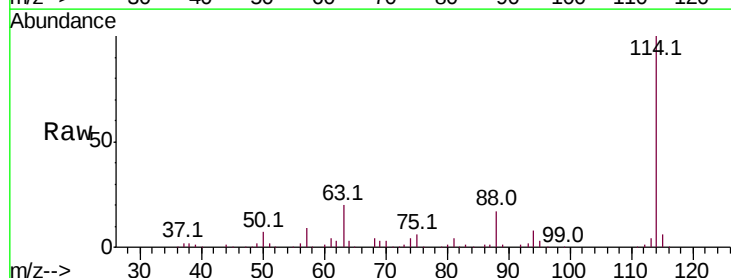
Tgt Ion: 114 Resp: 112427

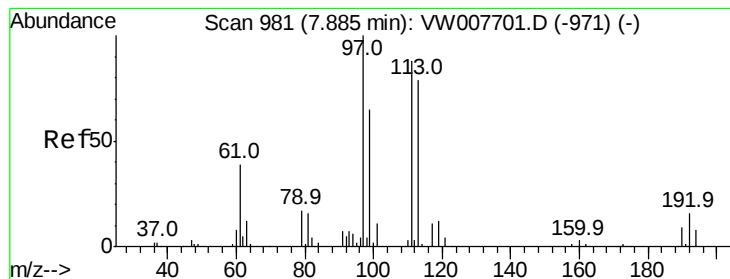
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.811 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampled :

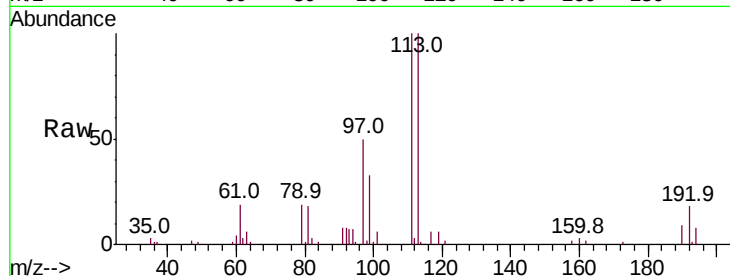
Tot Ion:113 Resp: 36907

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

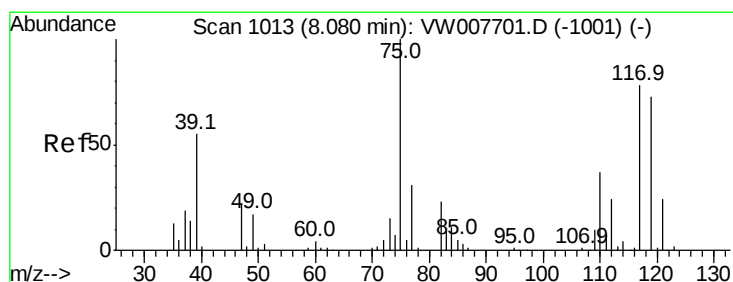
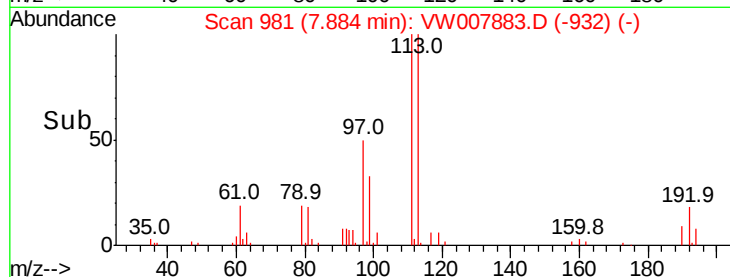
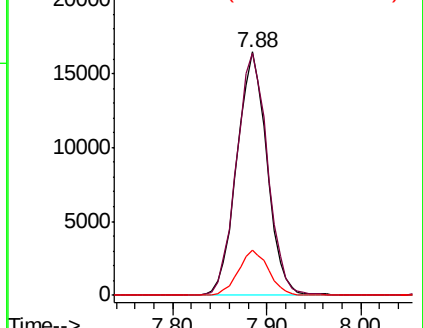
192 18.4 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.656 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

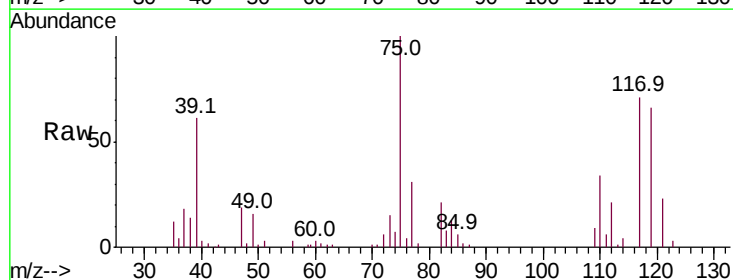
Tgt Ion: 75 Resp: 24584

Ion Ratio Lower Upper

75 100

110 36.6 18.6 55.8

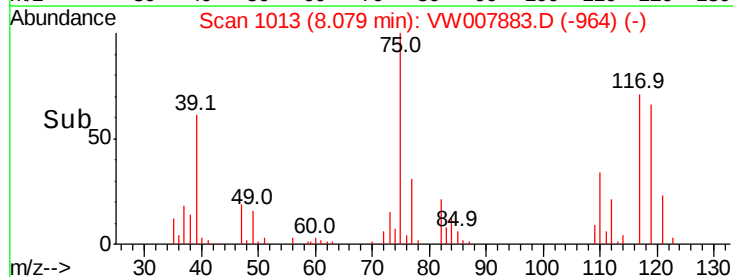
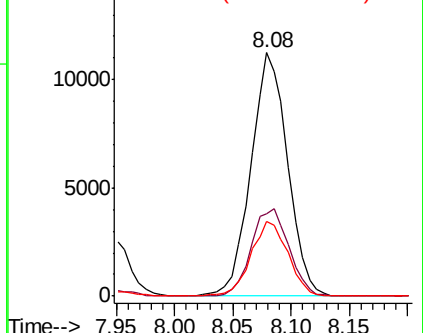
77 30.8 25.0 37.4

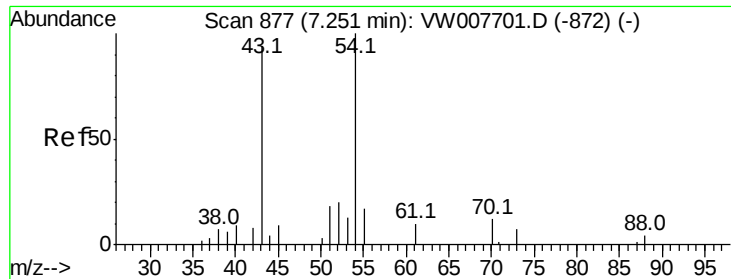


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

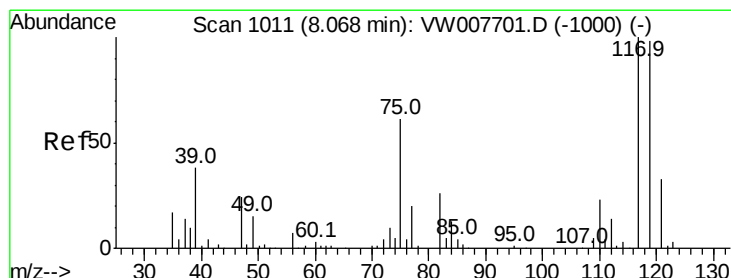
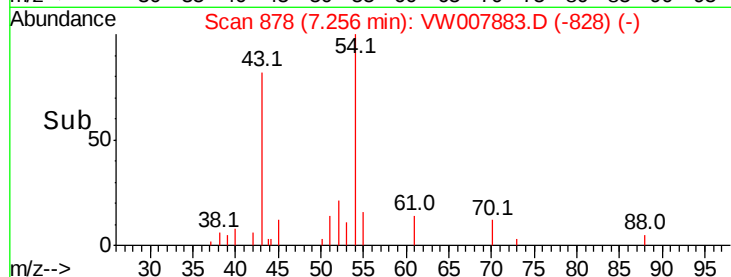
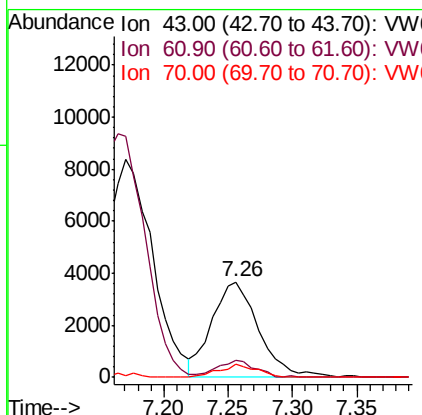
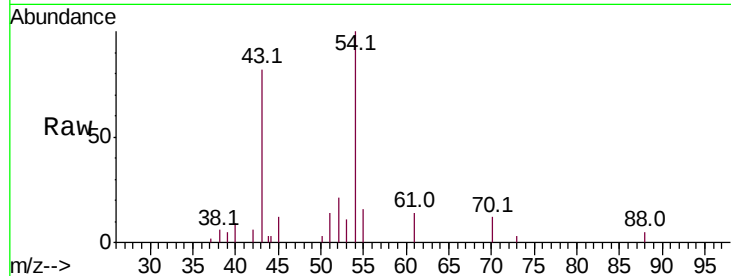




#37
Ethyl Acetate
Concen: 24.975 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

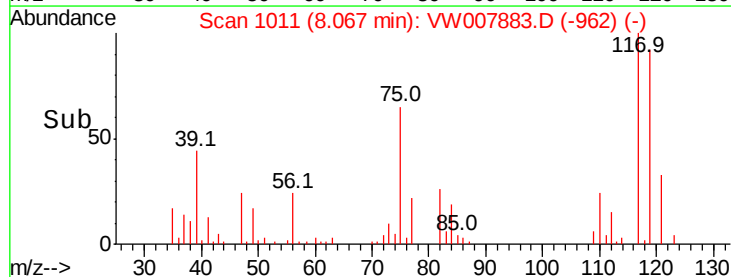
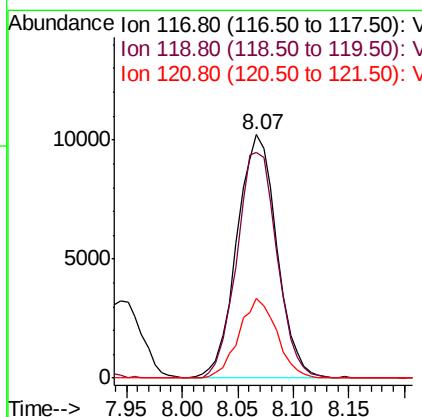
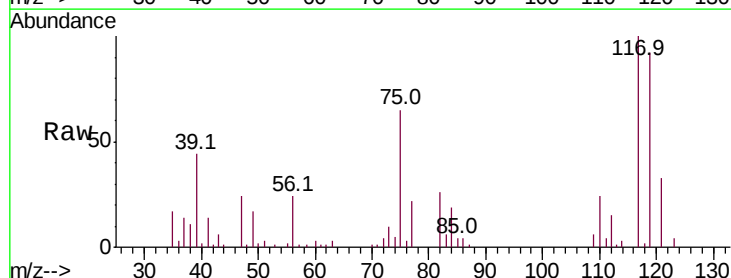
Instrument :
MSVOA_W
ClientSampled :

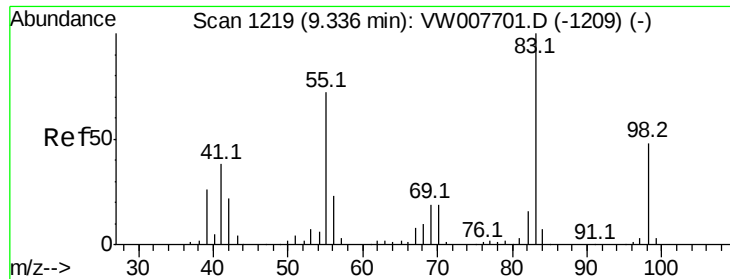
Tot Ion: 43 Resp: 9353
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 10.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.999 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 117 Resp: 25557
Ion Ratio Lower Upper
117 100
119 92.5 78.2 117.2
121 32.6 26.1 39.1

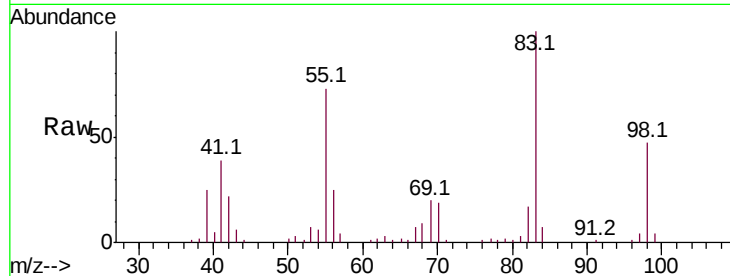




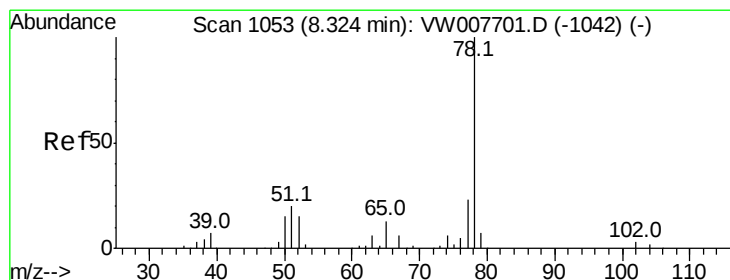
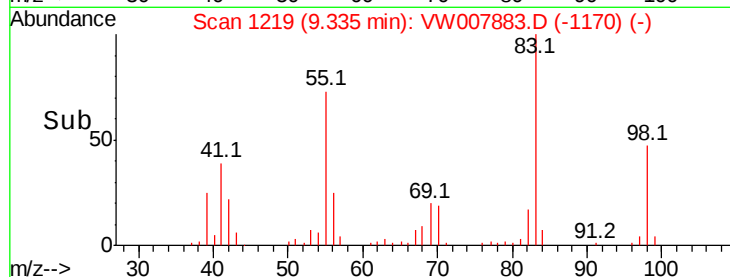
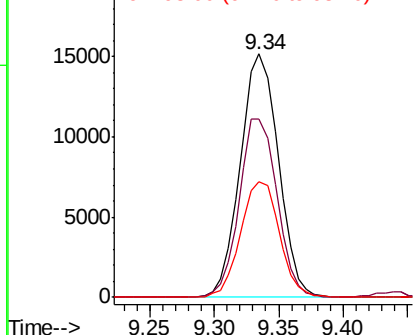
#39
Methvlcvclohexane
Concen: 23.092 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 31137
Ion Ratio Lower Upper
83 100
55 73.5 57.2 85.8
98 47.3 38.6 58.0

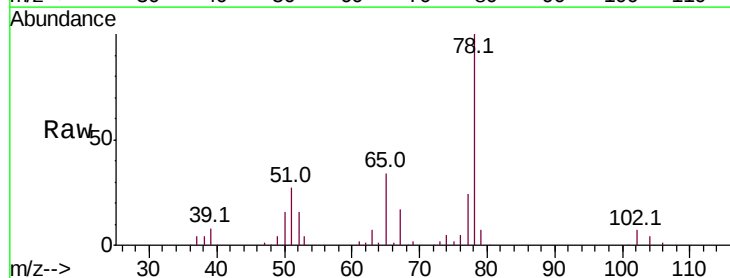


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

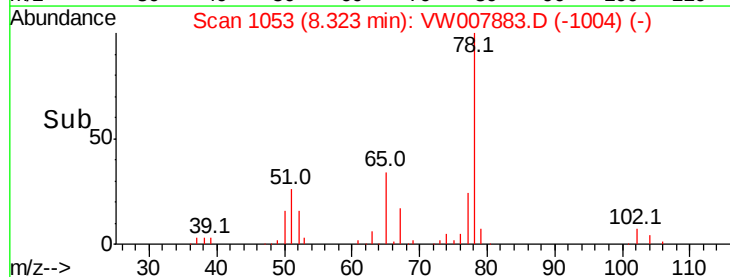
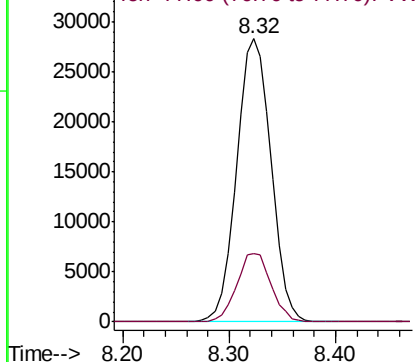


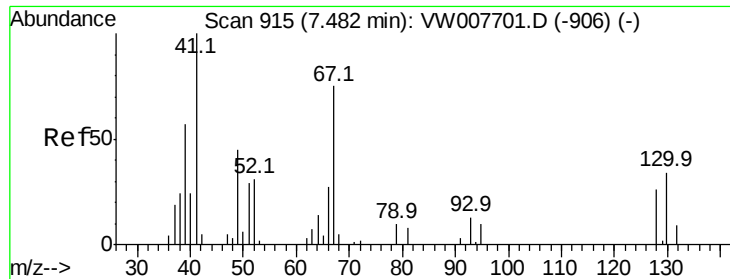
#40
Benzene
Concen: 22.125 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 78 Resp: 64067
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

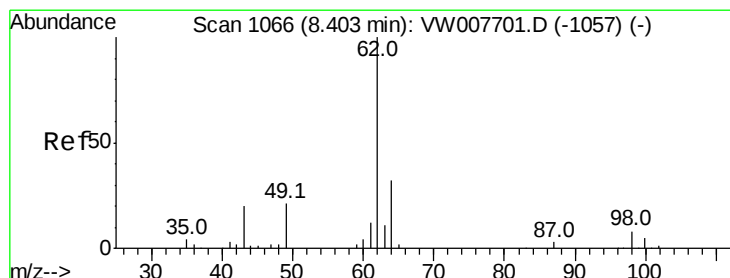
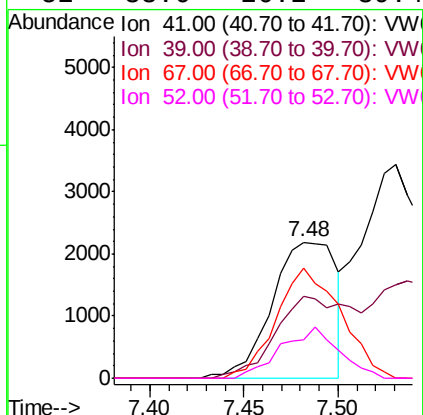
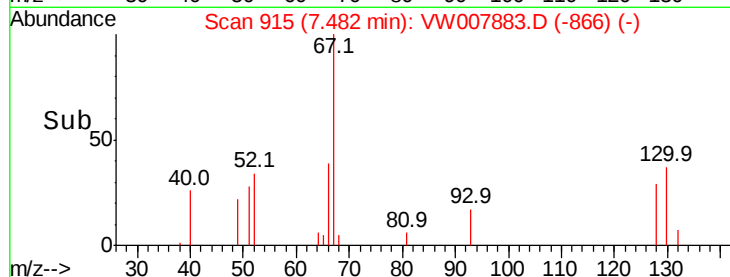
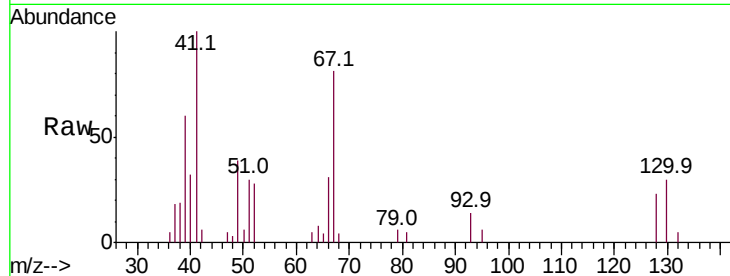




#41
Methacrylonitrile
Concen: 24.382 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

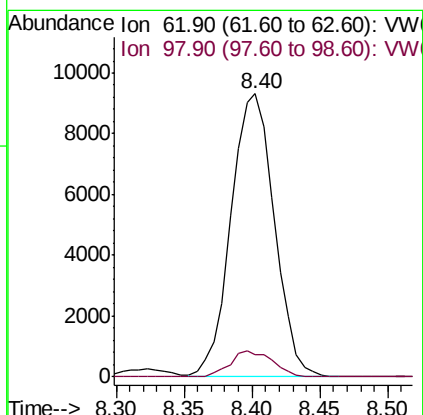
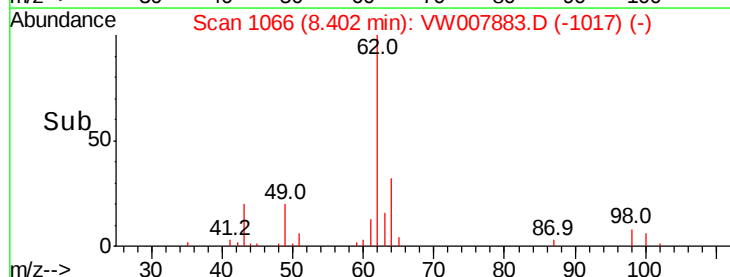
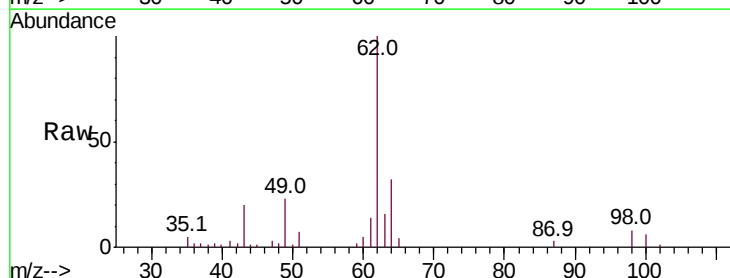
Instrument :
MSVOA_W
ClientSampled :

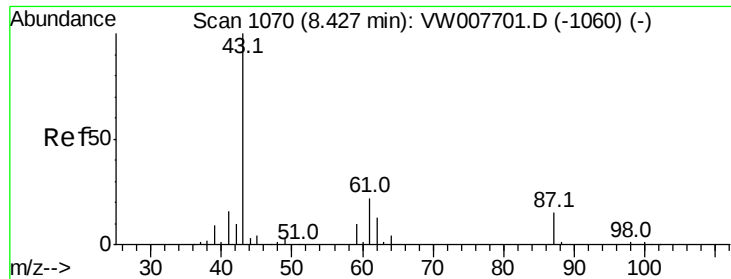
Tot Ion:	41	Resp:	5184
Ion	Ratio	Lower	Upper
41	100		
39	72.8	54.2	81.4
67	81.3	65.7	98.5
52	33.6	26.2	39.4



#42
1,2-Dichloroethane
Concen: 21.253 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:	62	Resp:	20624
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 25.561 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

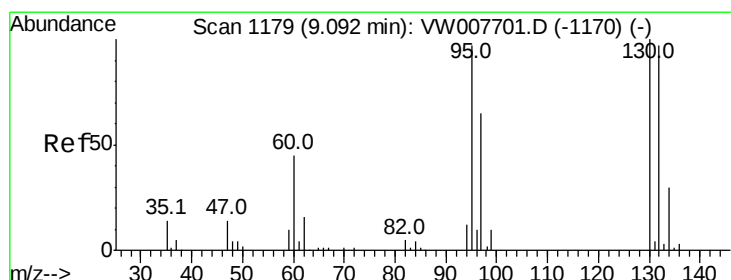
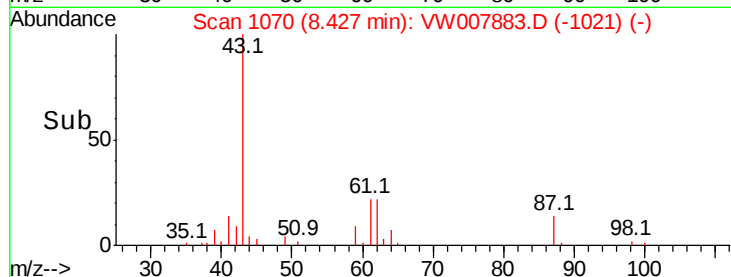
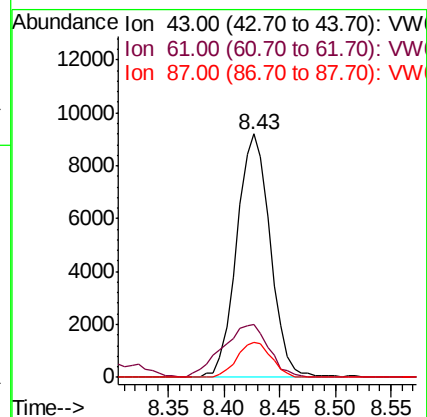
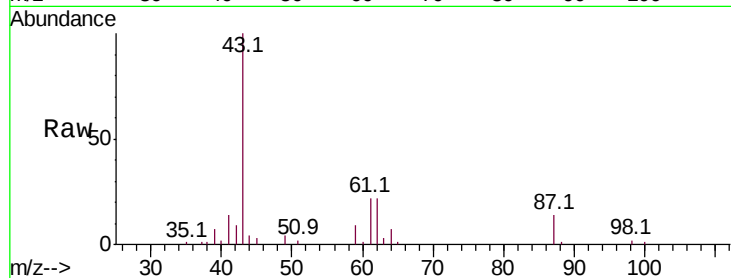
Tot Ion: 43 Resp: 19178

Ion Ratio Lower Upper

43 100

61 29.9 26.3 39.5

87 14.5 12.0 18.0



#44

Trichloroethene

Concen: 20.577 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007883.D

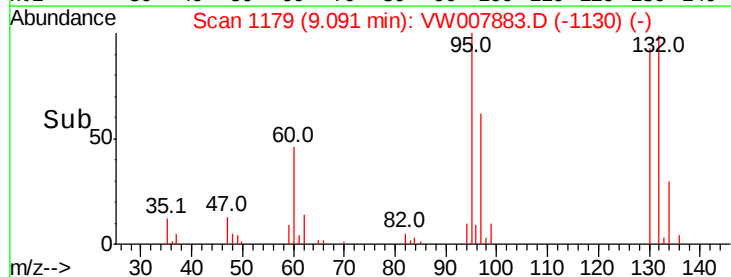
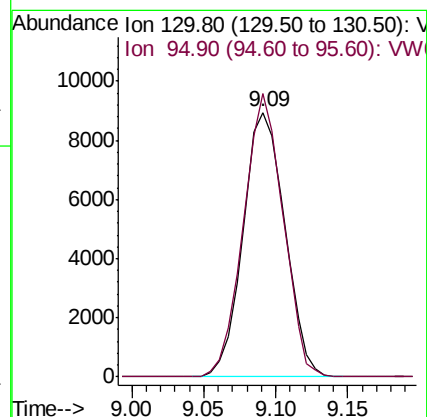
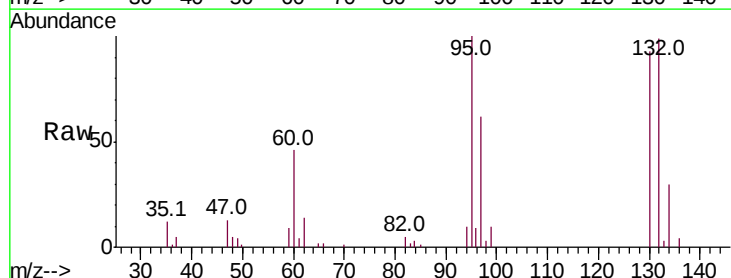
Acq: 24 Dec 2018 12:50

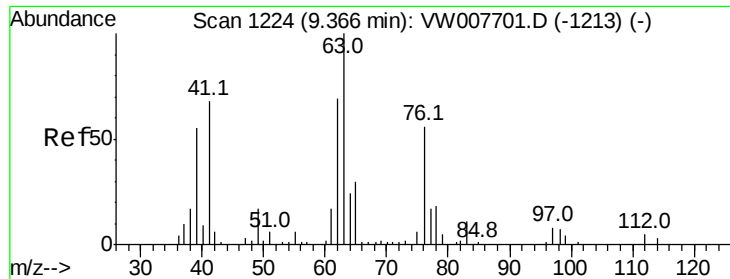
Tgt Ion:130 Resp: 18019

Ion Ratio Lower Upper

130 100

95 107.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 23.162 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

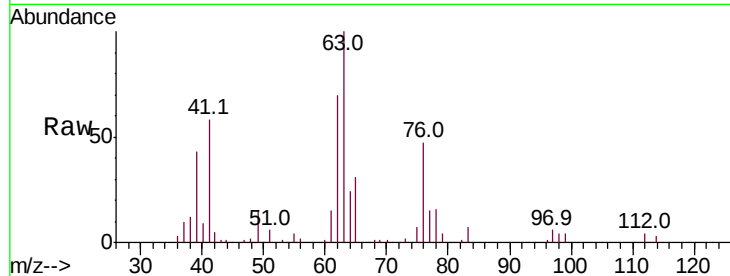
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 14882

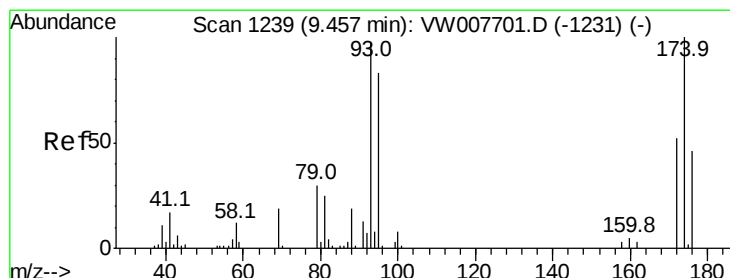
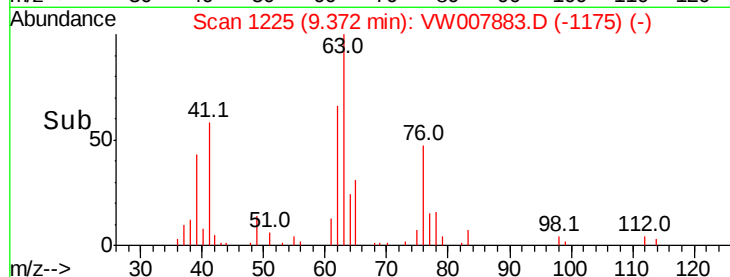
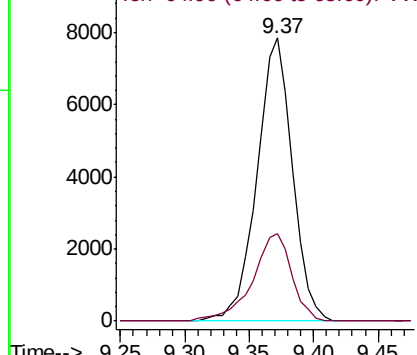
Ion Ratio Lower Upper

63 100

65 31.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.309 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

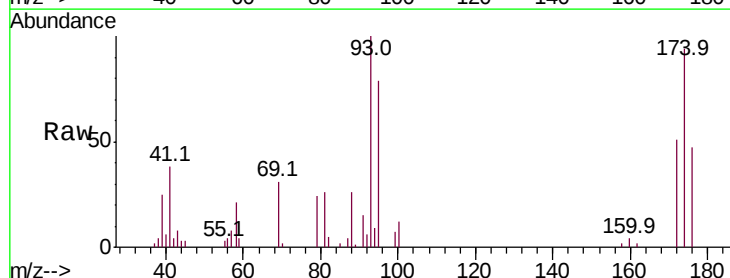
Tgt Ion: 93 Resp: 8428

Ion Ratio Lower Upper

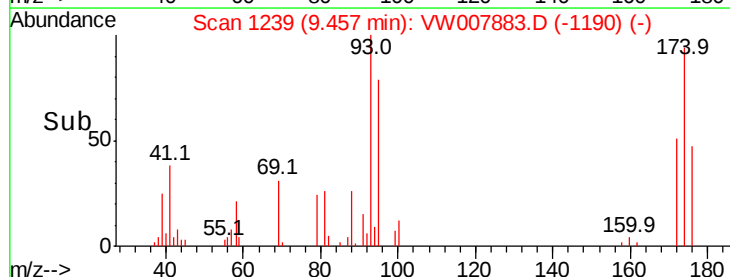
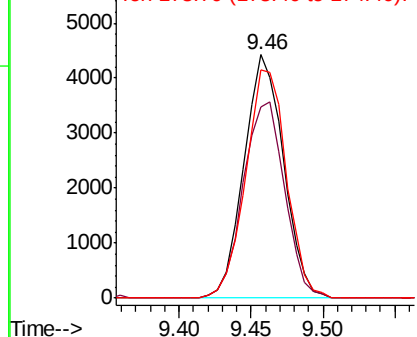
93 100

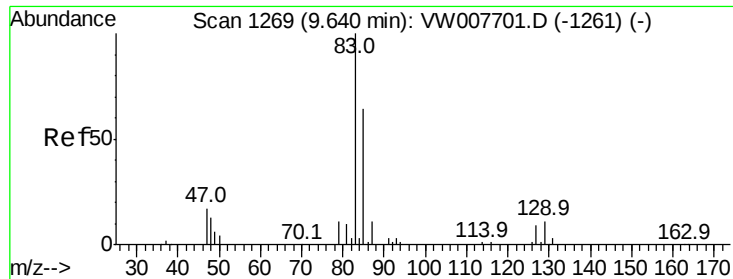
95 84.3 67.5 101.3

174 96.4 83.9 125.9



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





#47

Bromodichloromethane

Concen: 20.351 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampled :

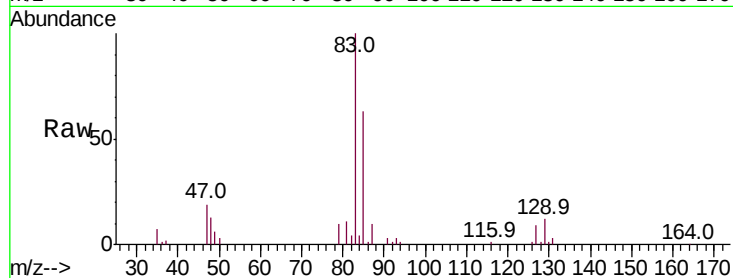
Tot Ion: 83 Resp: 21160

Ion Ratio Lower Upper

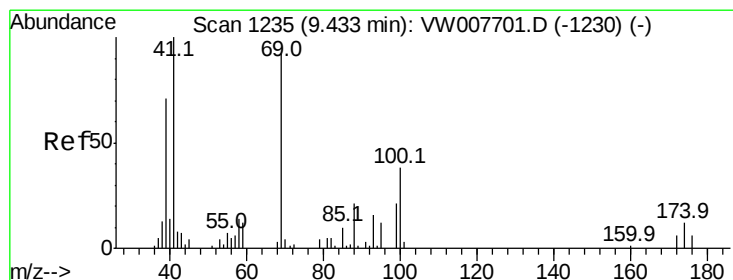
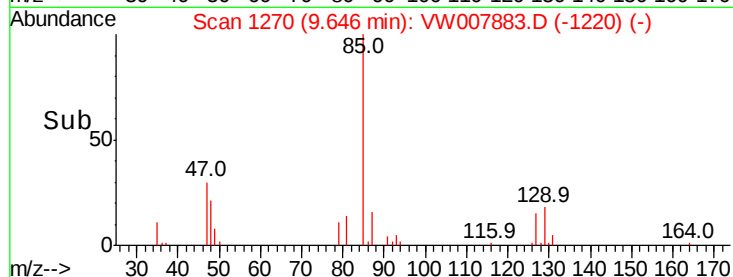
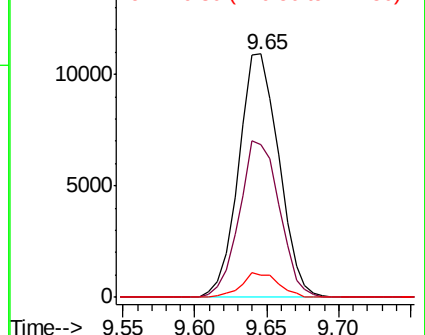
83 100

85 62.9 51.4 77.0

127 9.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 24.862 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

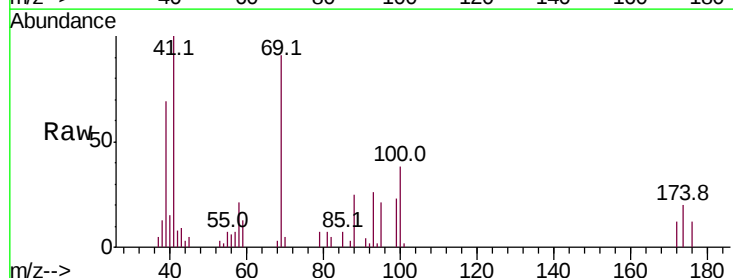
Tgt Ion: 41 Resp: 9311

Ion Ratio Lower Upper

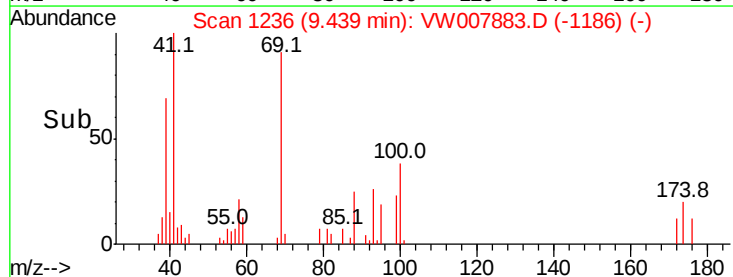
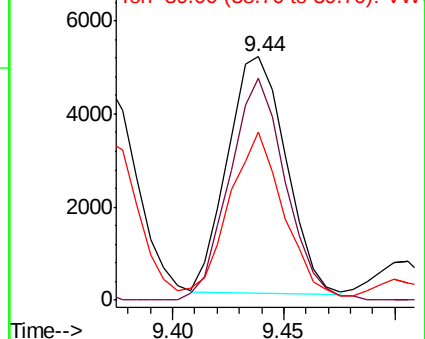
41 100

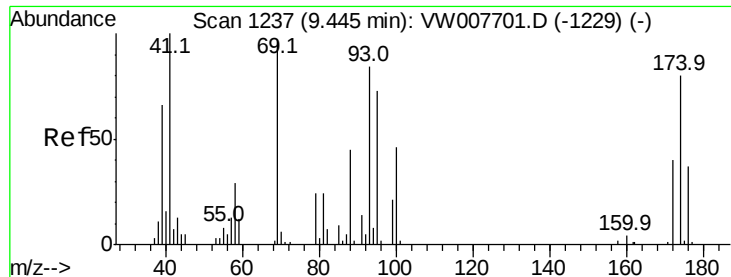
69 90.0 74.2 111.2

39 63.9 53.9 80.9



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





#49

1,4-Dioxane

Concen: 465.819 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

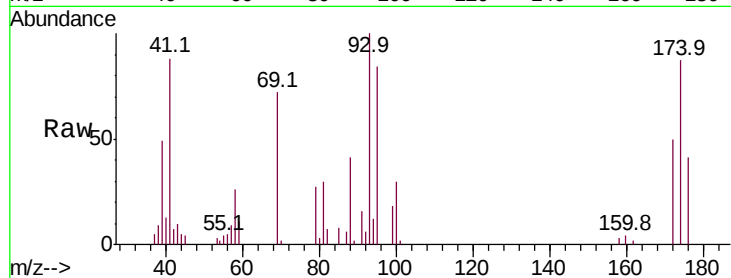
Tot Ion: 88 Resp: 2921

Ion Ratio Lower Upper

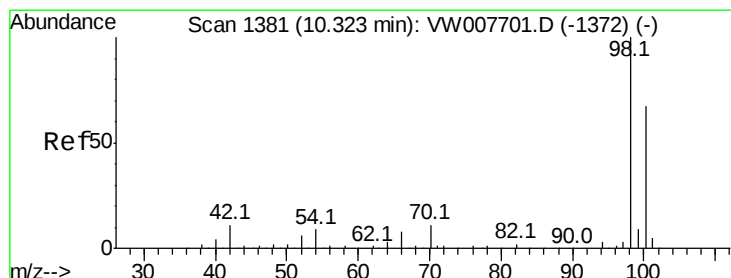
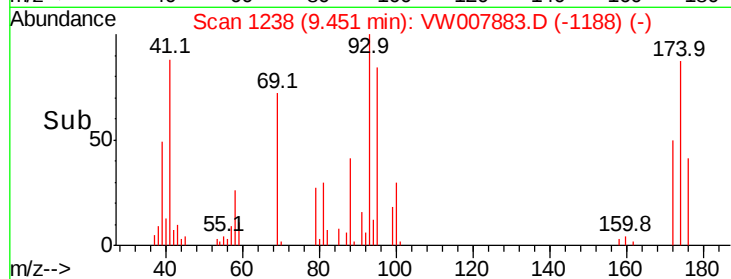
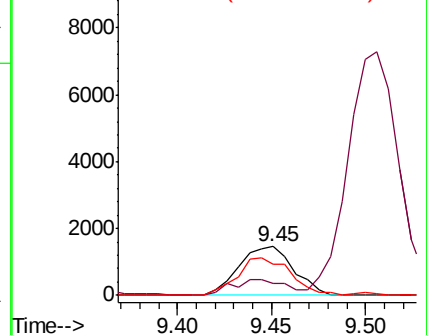
88 100

43 33.9 25.6 38.4

58 75.6 52.3 78.5



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



#50

Toluene-d8

Concen: 56.382 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007883.D

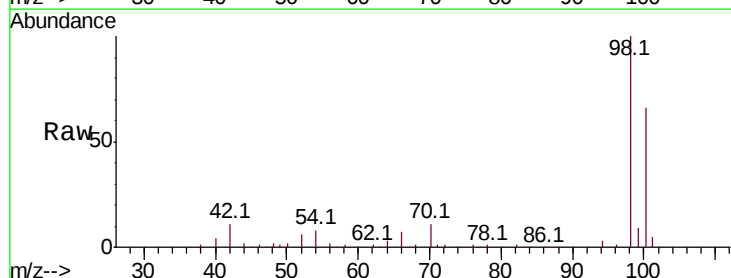
Acq: 24 Dec 2018 12:50

Tgt Ion: 98 Resp: 145781

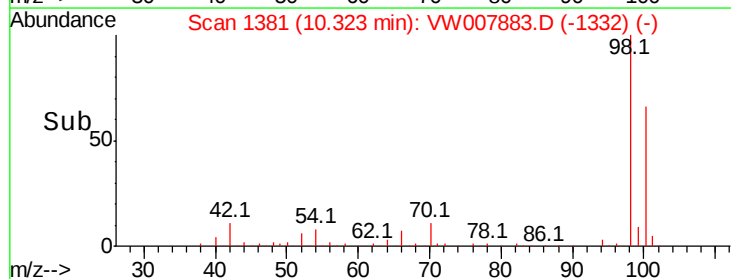
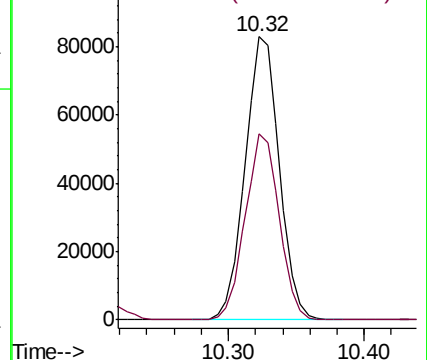
Ion Ratio Lower Upper

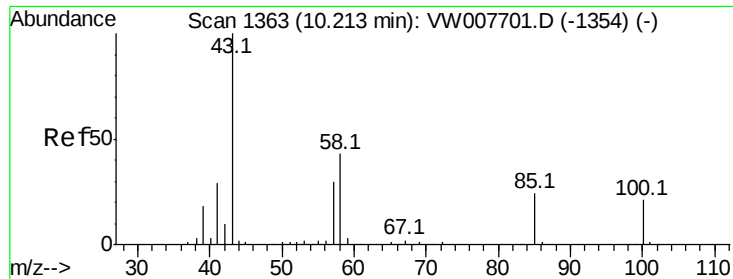
98 100

100 65.4 52.2 78.2



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

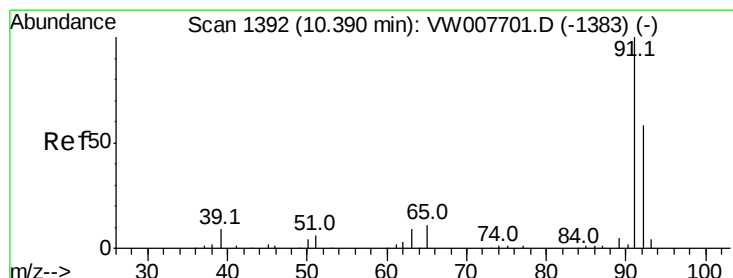
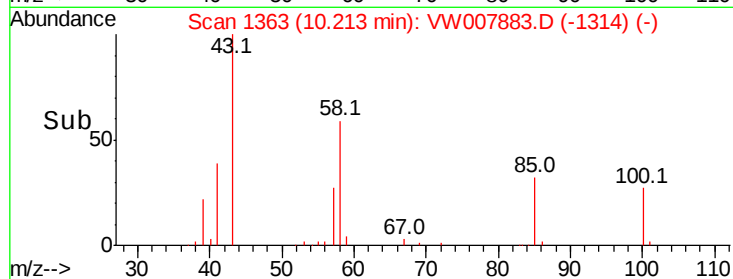
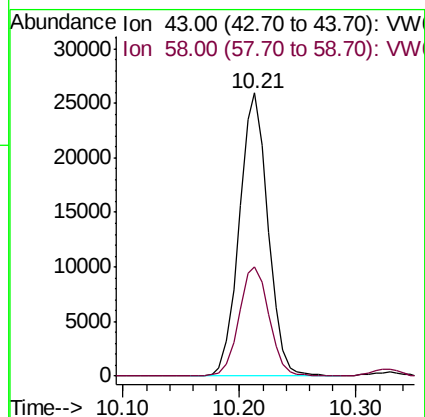
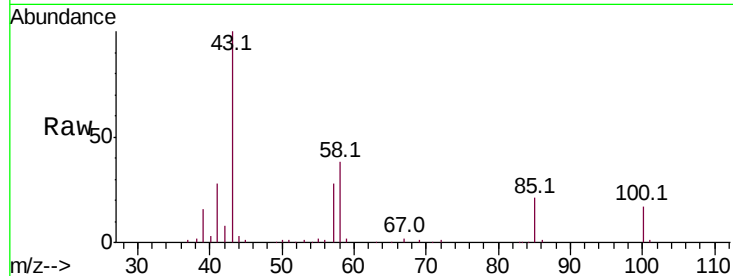




#51
4-Methyl-2-Pentanone
Concen: 125.938 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

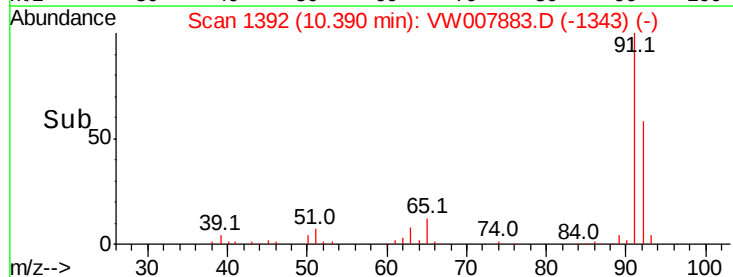
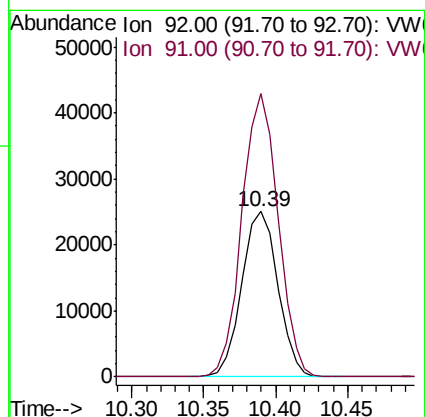
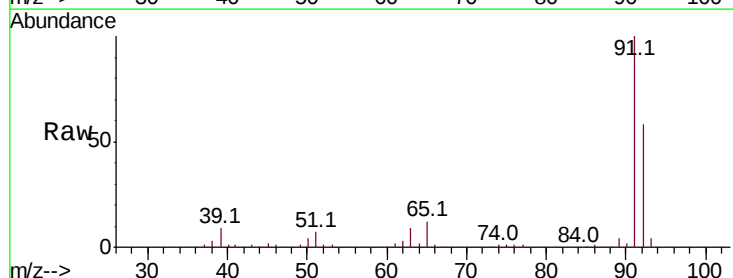
Instrument :
MSVOA_W
ClientSampleId :

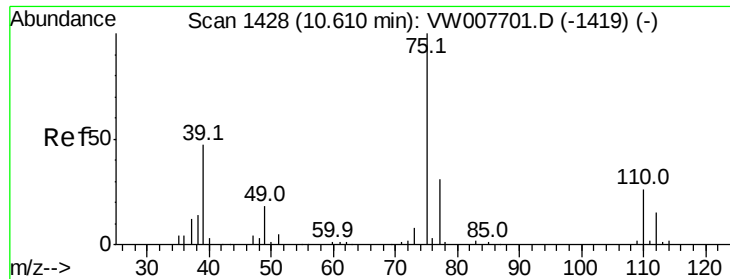
Tot Ion: 43 Resp: 44655
Ion Ratio Lower Upper
43 100
58 40.1 33.2 49.8



#52
Toluene
Concen: 22.477 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 92 Resp: 43667
Ion Ratio Lower Upper
92 100
91 171.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 21.750 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

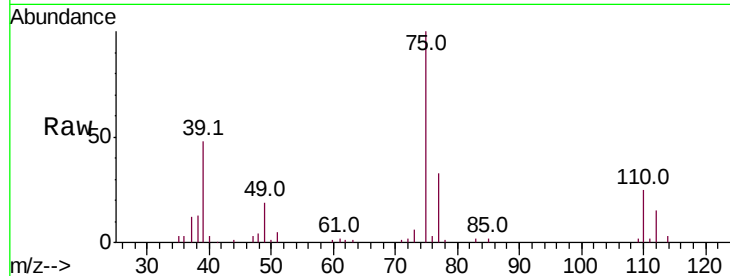
ClientSampled :

Tot Ion: 75 Resp: 22494

Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

15000

10000

5000

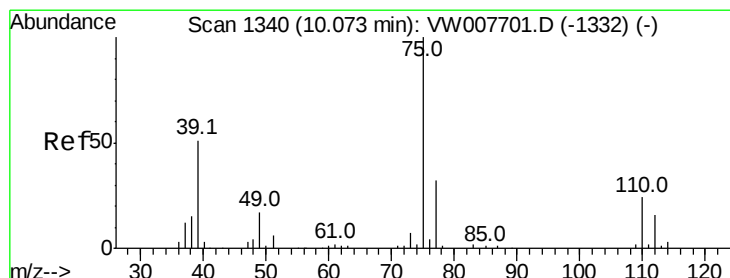
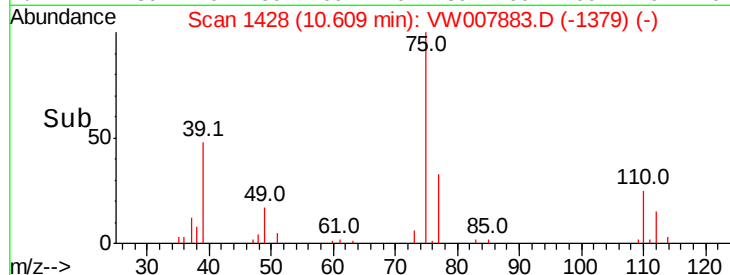
0

10.61

10.60

10.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.125 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

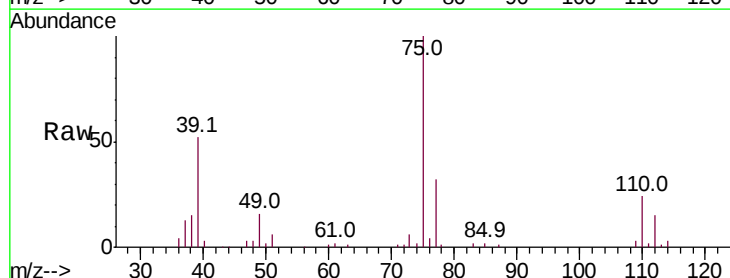
Tgt Ion: 75 Resp: 25275

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 52.3 41.2 61.8



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

20000

15000

10000

5000

0

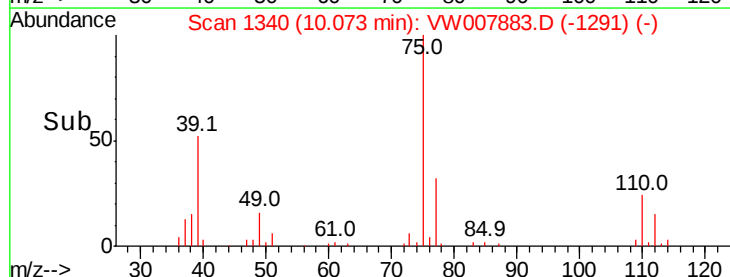
10.07

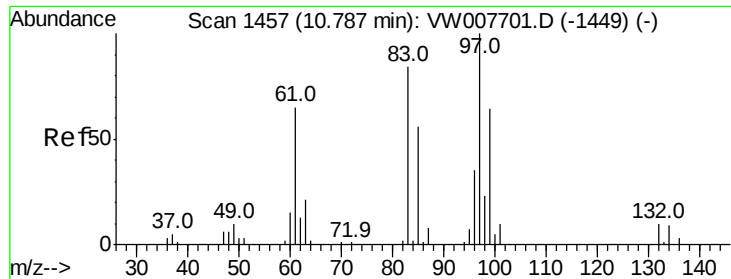
10.00

10.10

10.15

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.250 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 12132

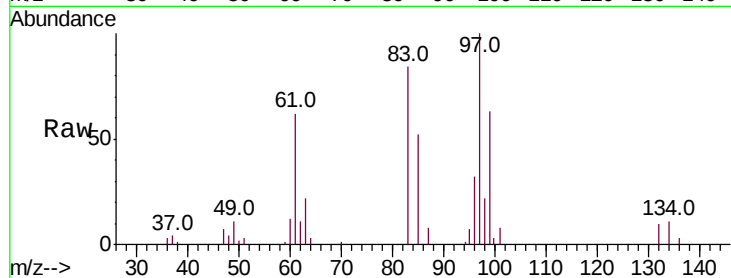
Ion Ratio Lower Upper

97 100

83 84.0 67.5 101.3

85 51.5 44.8 67.2

99 63.3 51.0 76.4



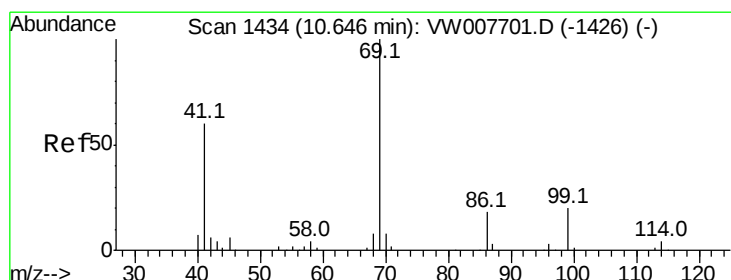
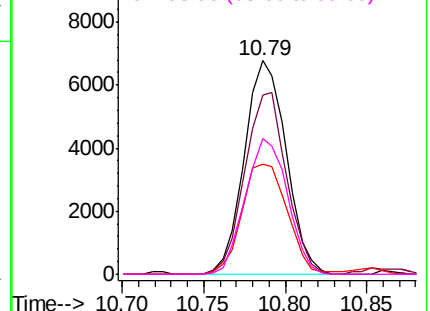
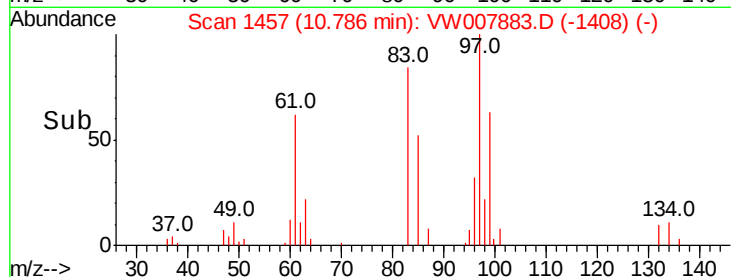
Abundance

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: 23.742 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

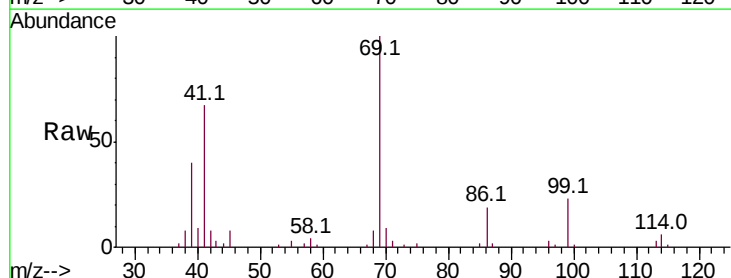
Tgt Ion: 69 Resp: 15295

Ion Ratio Lower Upper

69 100

41 66.3 48.9 73.3

39 38.1 31.3 46.9

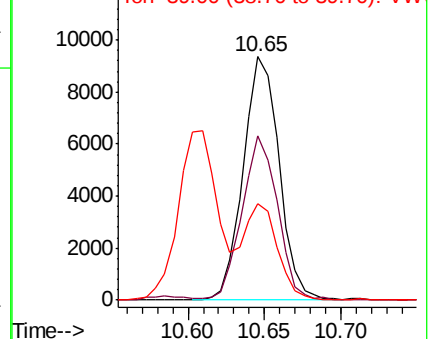
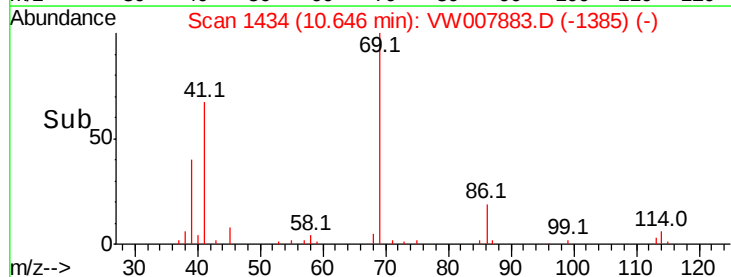


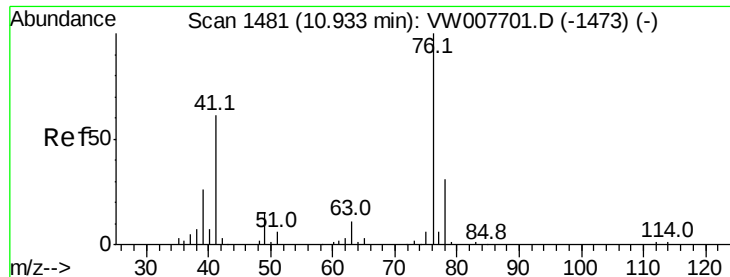
Abundance

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: 23.109 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

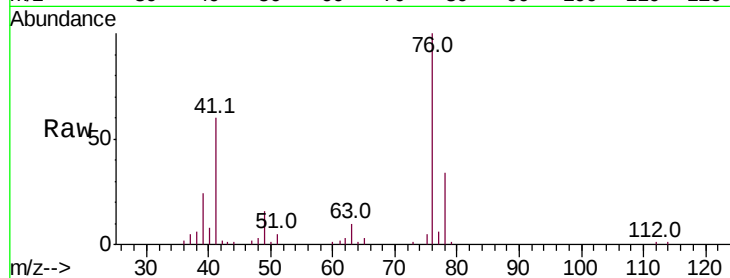
ClientSampled :

Tot Ion: 76 Resp: 20923

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

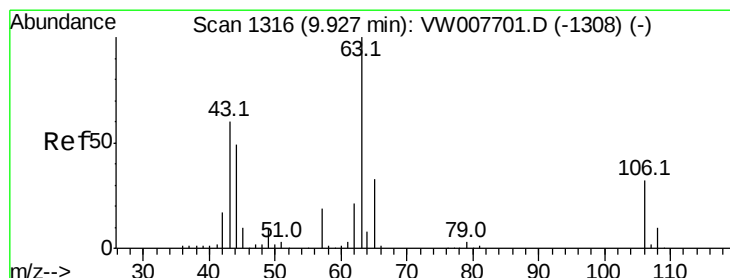
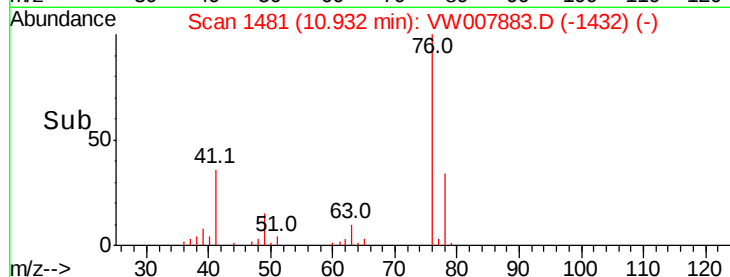
10.93

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 122.201 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007883.D

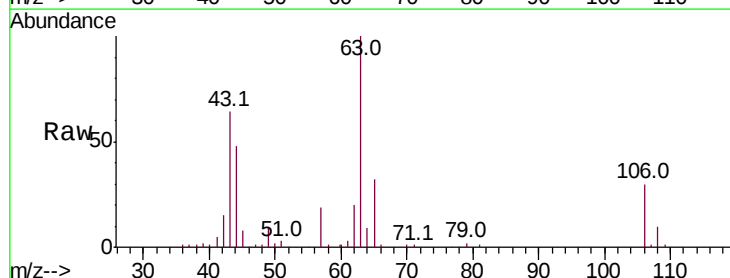
Acq: 24 Dec 2018 12:50

Tgt Ion: 63 Resp: 35943

Ion Ratio Lower Upper

63 100

106 30.8 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

25000

20000

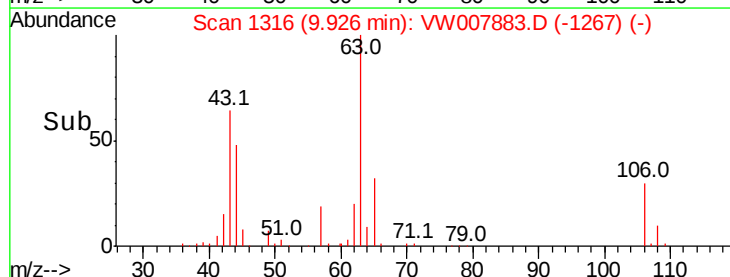
15000

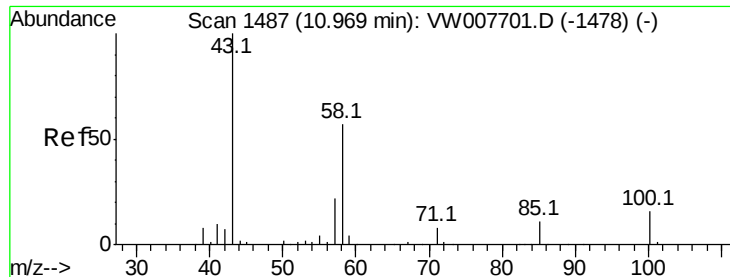
10000

5000

0

Time-->





#59

2-Hexanone

Concen: 132.096 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

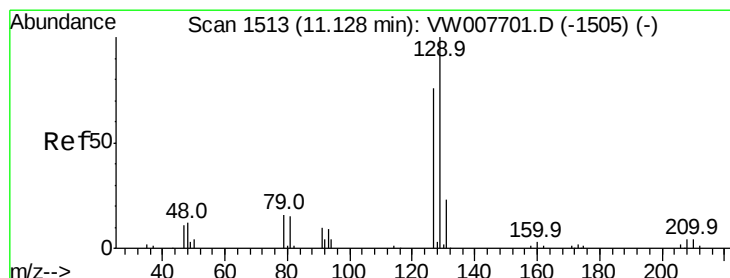
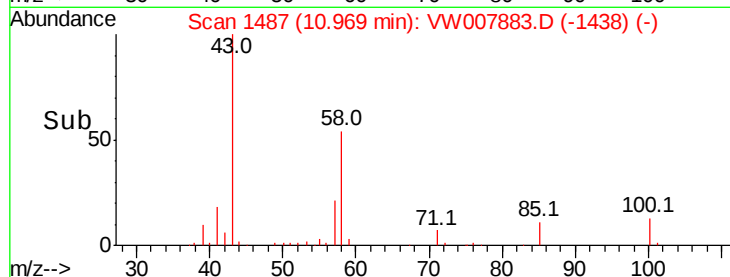
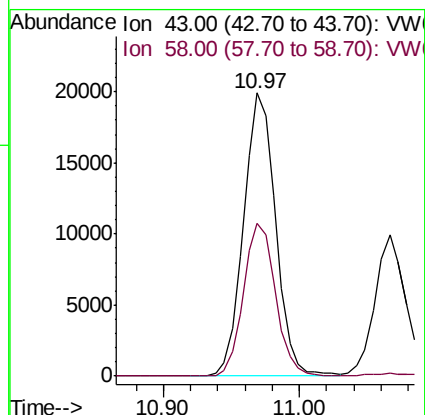
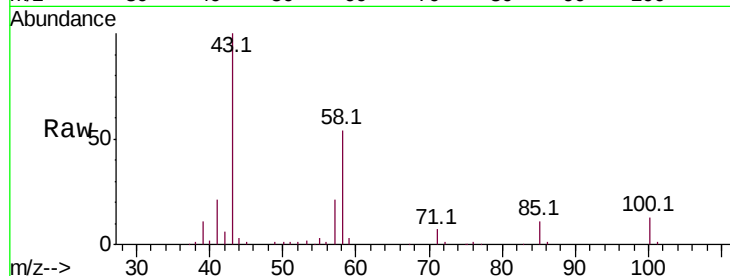
ClientSampleId :

Tot Ion: 43 Resp: 32940

Ion Ratio Lower Upper

43 100

58 53.6 27.7 83.1



#60

Dibromochloromethane

Concen: 19.634 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007883.D

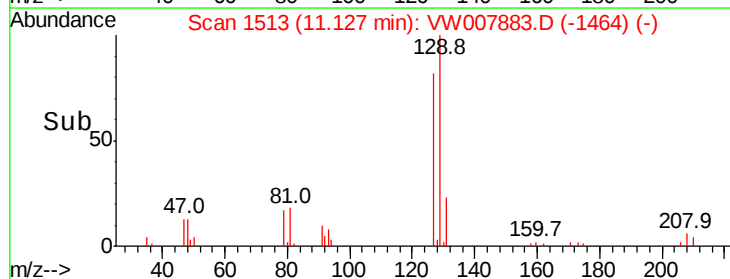
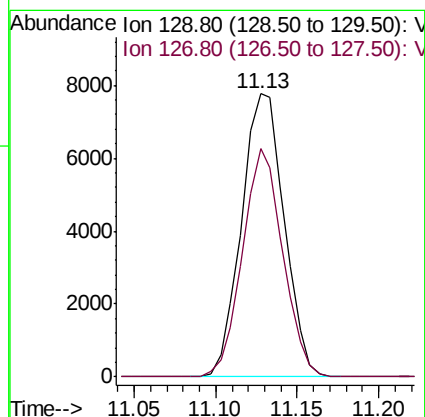
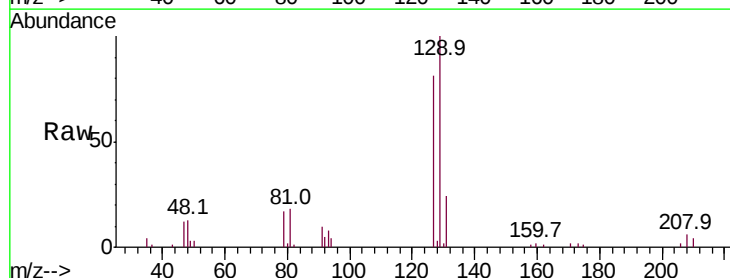
Acq: 24 Dec 2018 12:50

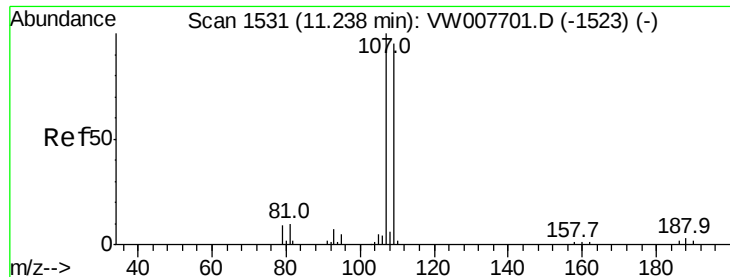
Tgt Ion: 129 Resp: 14175

Ion Ratio Lower Upper

129 100

127 76.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 21.896 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

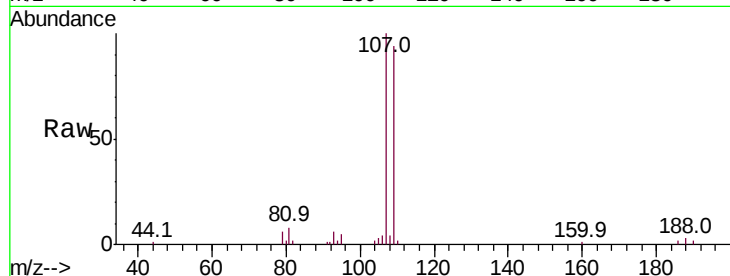
ClientSampleId :

Tot Ion:107 Resp: 12090

Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

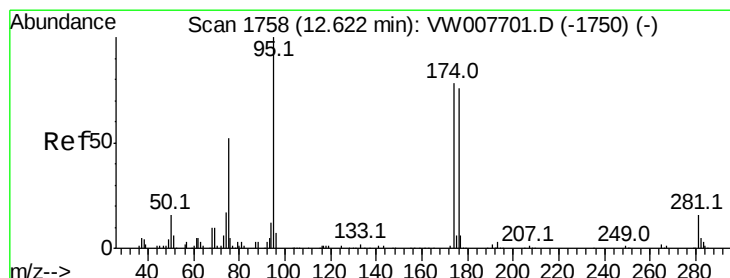
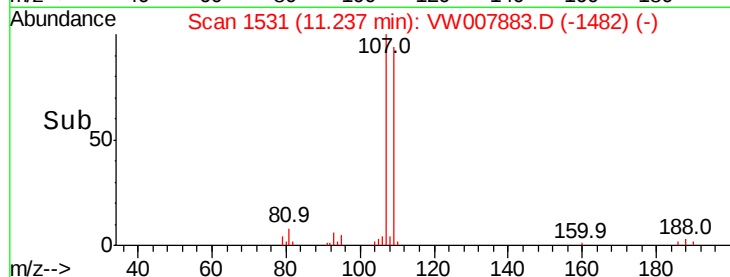
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 55.314 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

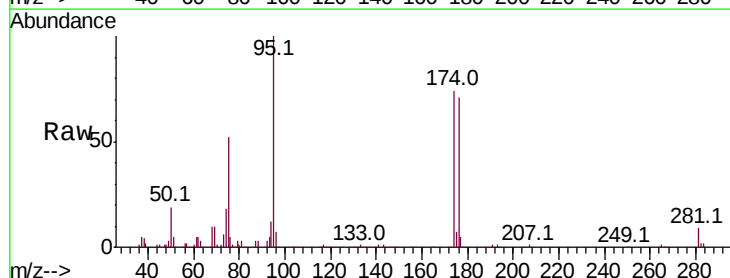
Tgt Ion: 95 Resp: 55252

Ion Ratio Lower Upper

95 100

174 73.5 0.0 152.2

176 71.8 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

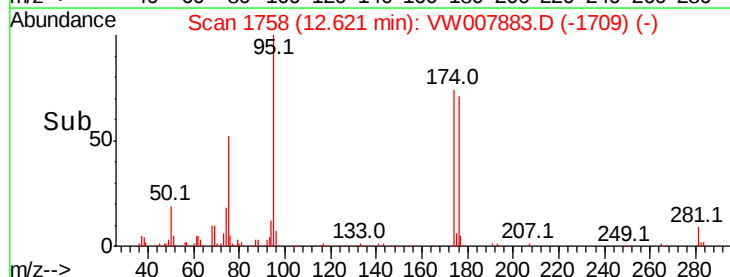
30000

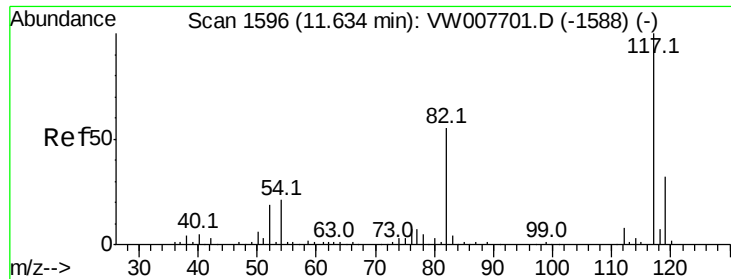
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

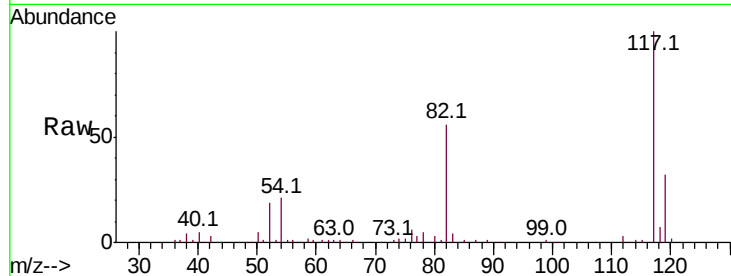




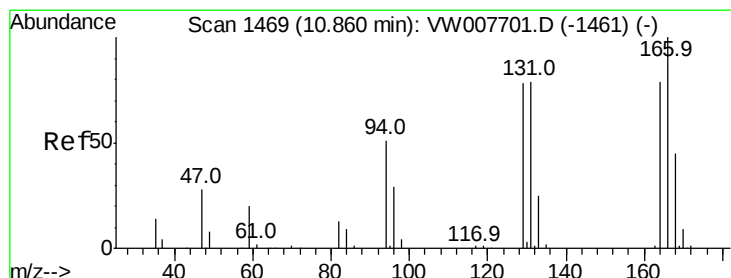
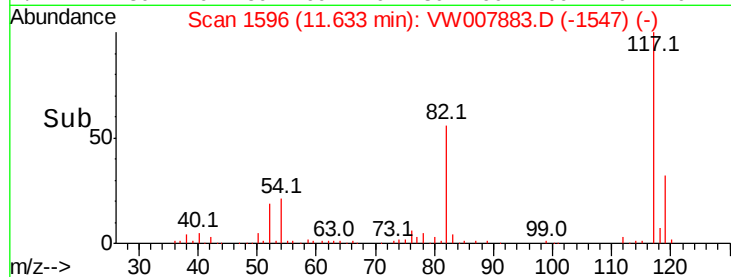
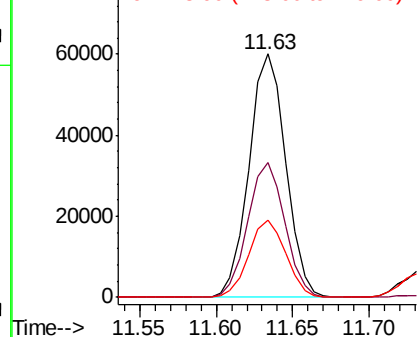
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 100377
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.0 25.7 38.5

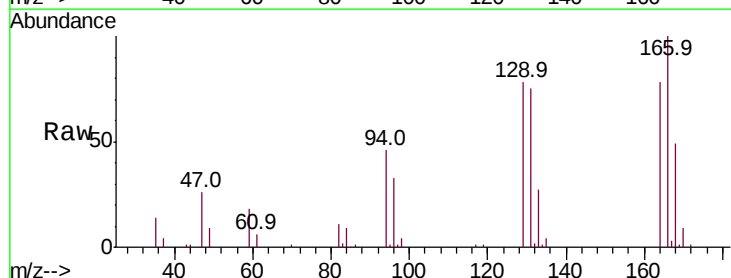


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

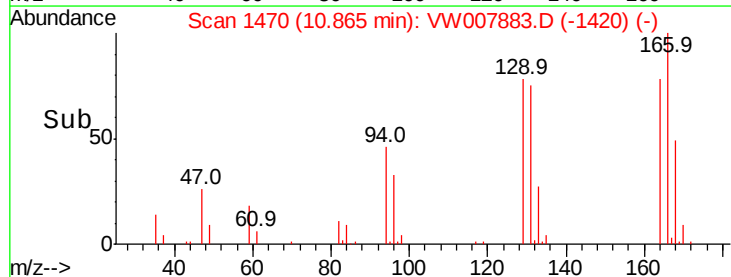
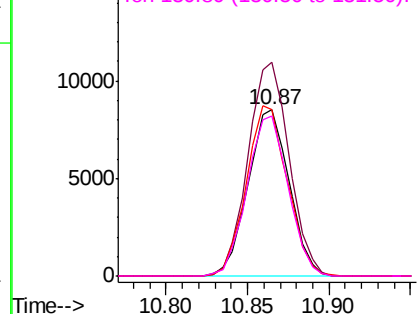


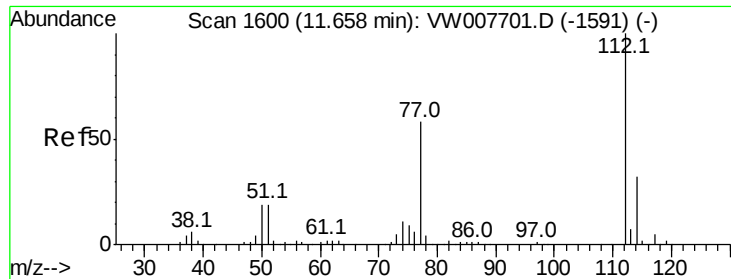
#64
Tetrachloroethene
Concen: 20.937 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:164 Resp: 14882
Ion Ratio Lower Upper
164 100
166 128.7 101.0 151.6
129 100.1 78.7 118.1
131 96.2 79.4 119.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

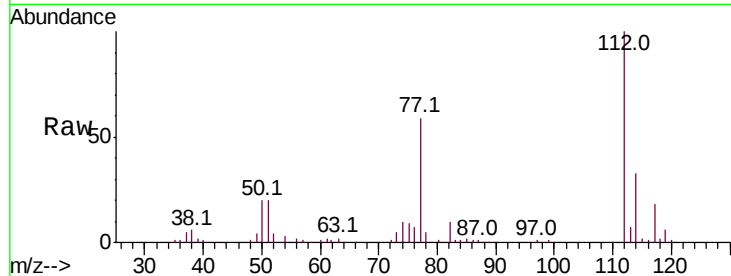




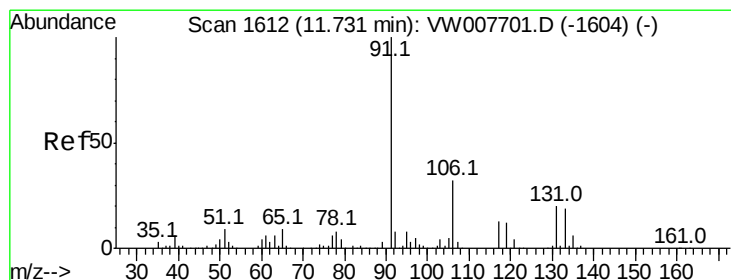
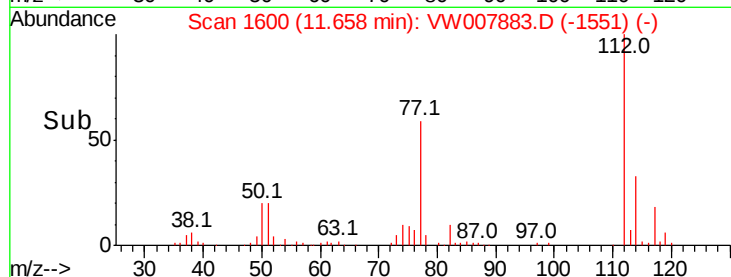
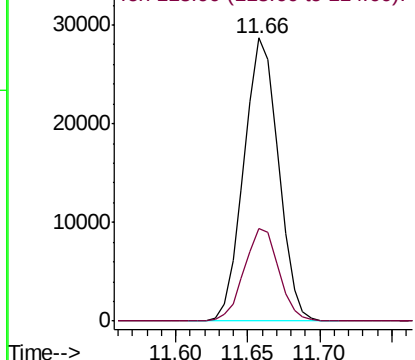
#65
Chlorobenzene
Concen: 21.934 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 47654
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

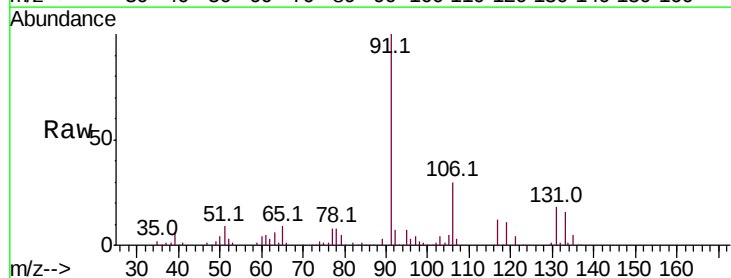


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

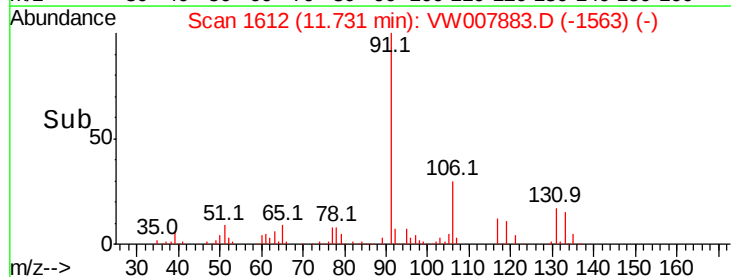
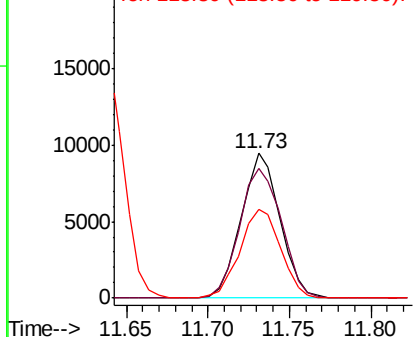


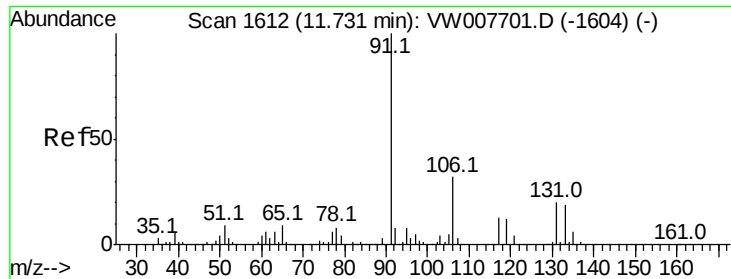
#66
1,1,1,2-Tetrachloroethane
Concen: 20.211 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:131 Resp: 15690
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.5
119 64.2 30.2 90.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

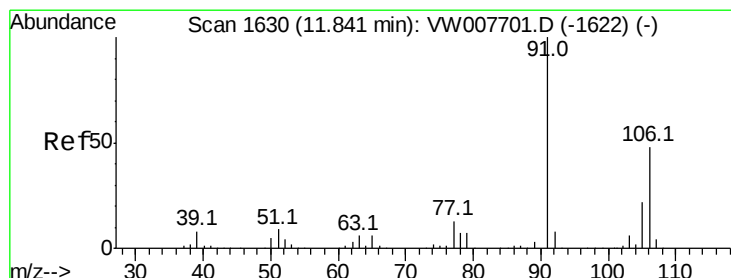
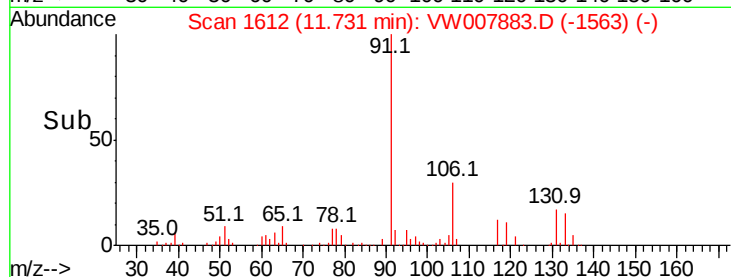
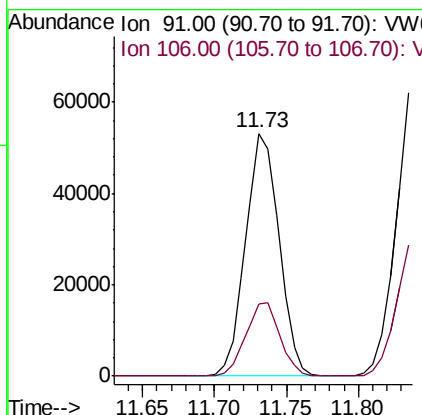
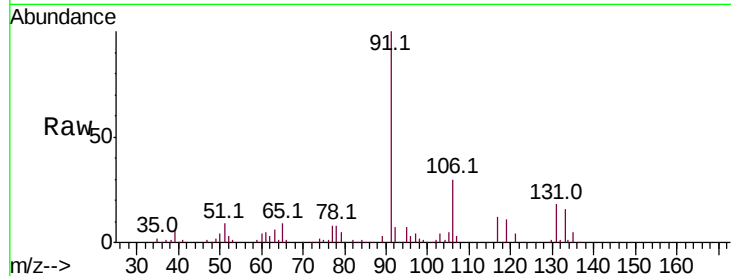




#67
Ethyl Benzene
Concen: 22.914 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

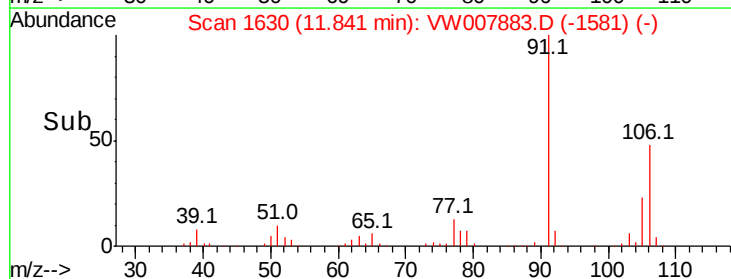
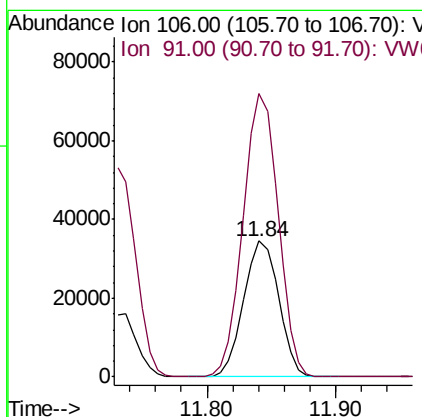
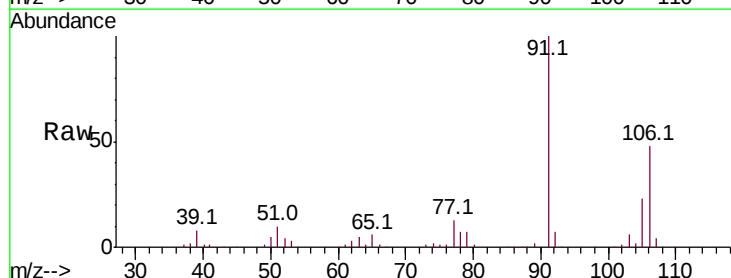
Instrument :
MSVOA_W
ClientSampled :

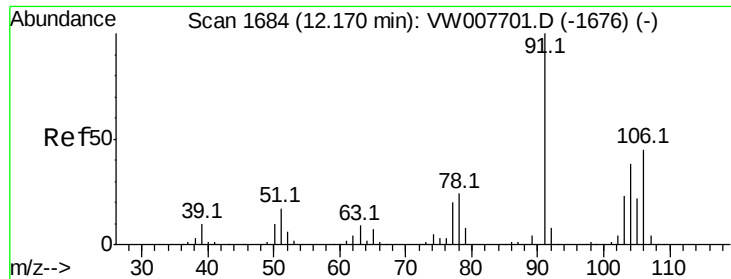
Tot Ion: 91 Resp: 85428
Ion Ratio Lower Upper
91 100
106 29.6 25.8 38.8



#68
m/p-Xylenes
Concen: 45.117 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:106 Resp: 65249
Ion Ratio Lower Upper
106 100
91 208.4 165.2 247.8

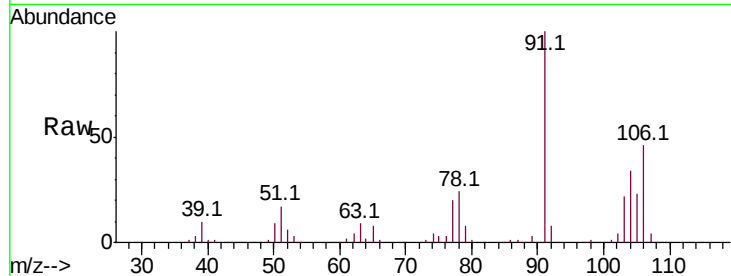




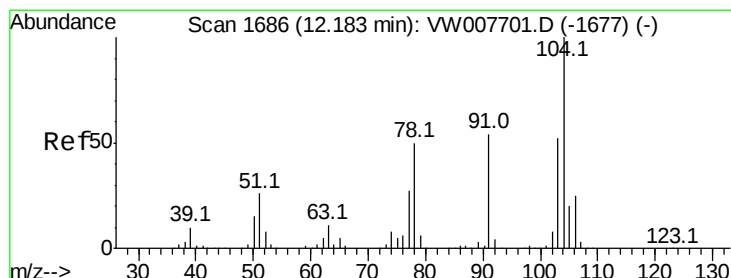
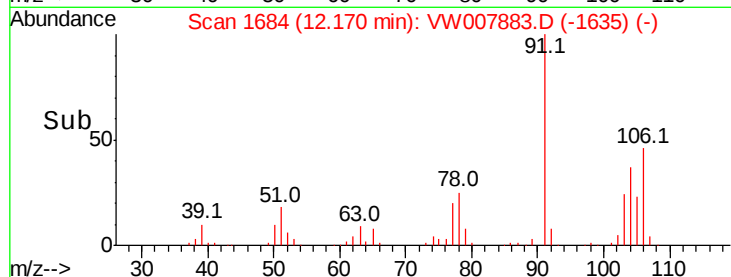
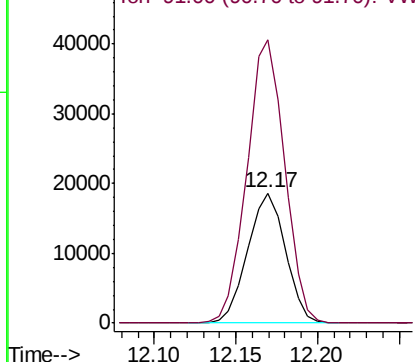
#69
o-Xylene
Concen: 22.301 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 30232
Ion Ratio Lower Upper
106 100
91 217.0 110.5 331.4

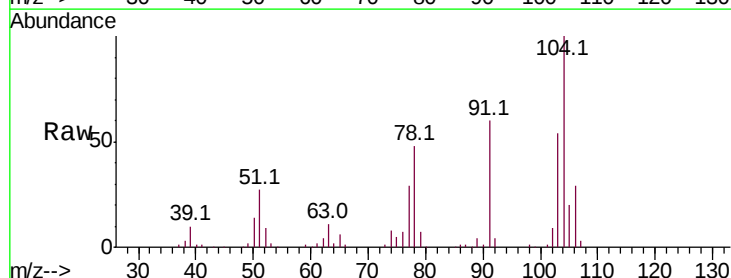


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

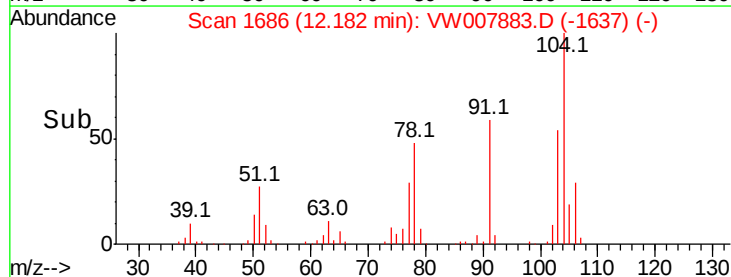
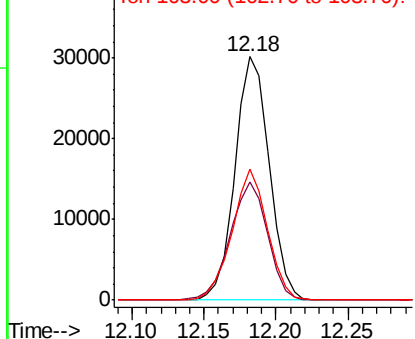


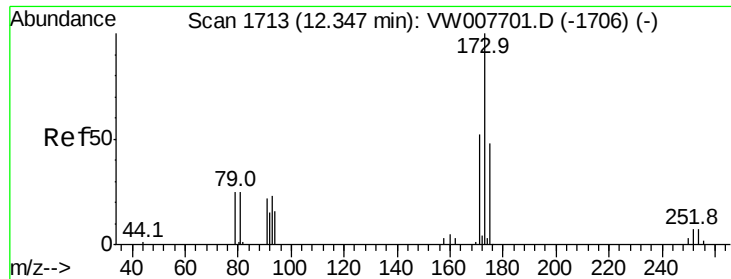
#70
Styrene
Concen: 22.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:104 Resp: 49757
Ion Ratio Lower Upper
104 100
78 52.8 43.4 65.0
103 55.5 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.370 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

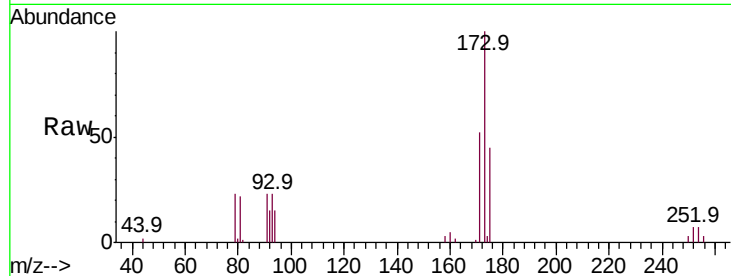
Tot Ion:173 Resp: 7806

Ion Ratio Lower Upper

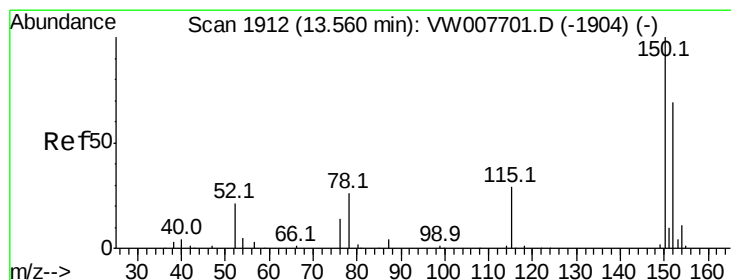
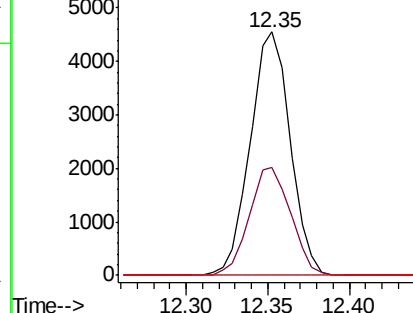
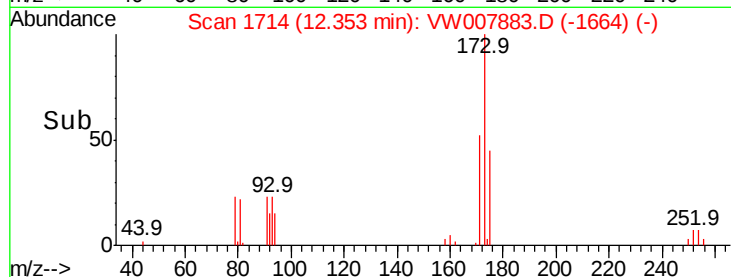
173 100

175 45.5 23.9 71.7

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

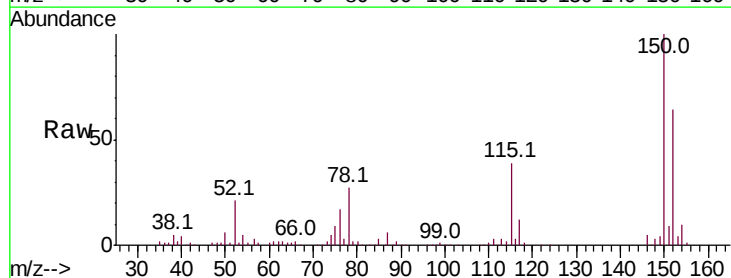
Tgt Ion:152 Resp: 49992

Ion Ratio Lower Upper

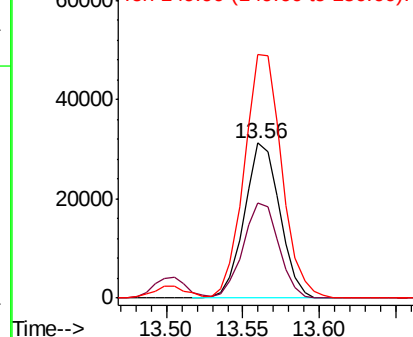
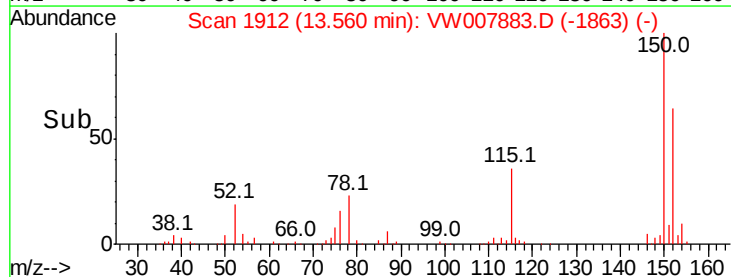
152 100

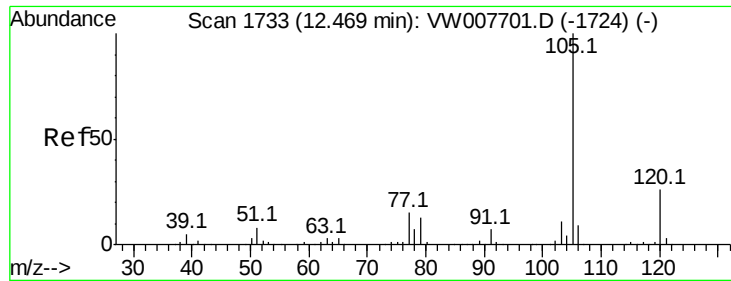
115 62.3 31.8 95.4

150 167.3 0.0 350.8



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





#73

Isopropylbenzene

Concen: 23.262 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

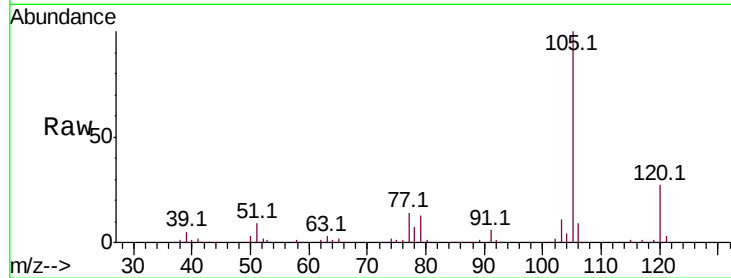
ClientSampled :

Tot Ion:105 Resp: 87902

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

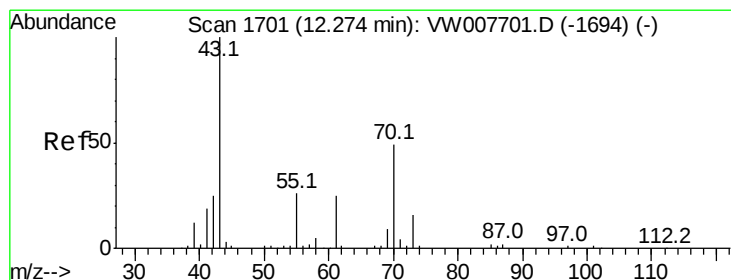
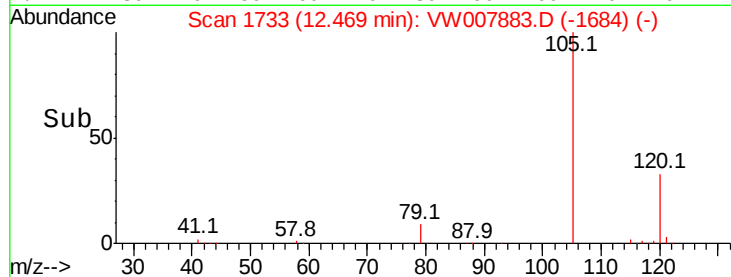
20000

10000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 26.928 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Tgt Ion: 43 Resp: 17626

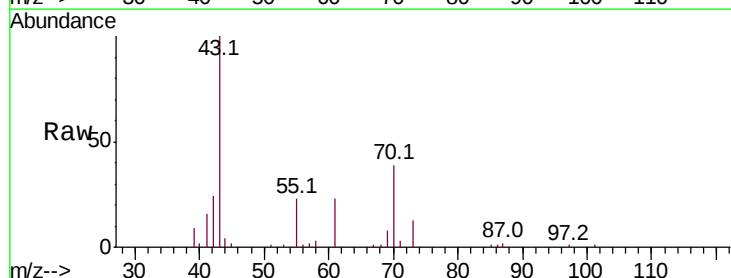
Ion Ratio Lower Upper

43 100

70 42.9 37.6 56.4

55 23.8 21.7 32.5

61 23.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

15000

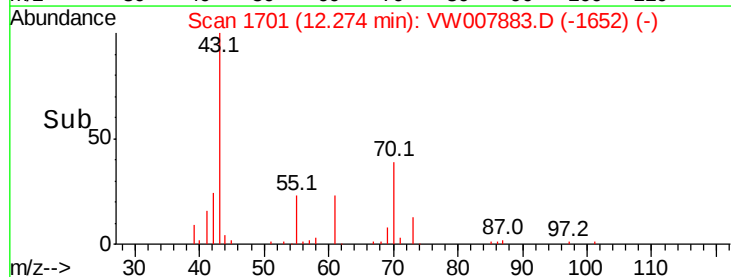
10000

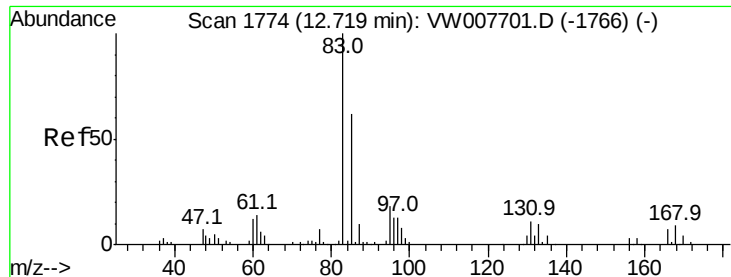
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.702 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampled :

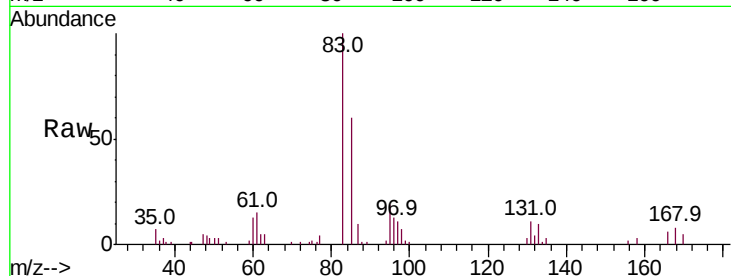
Tot Ion: 83 Resp: 13429

Ion Ratio Lower Upper

83 100

131 11.2 6.3 18.8

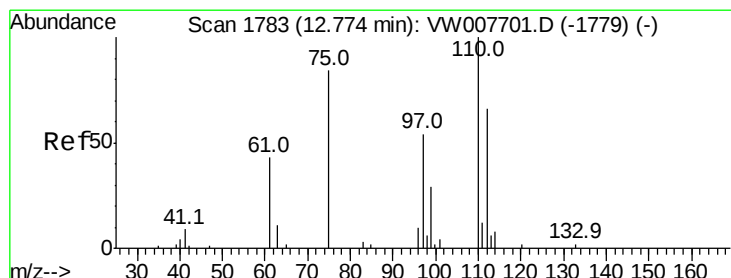
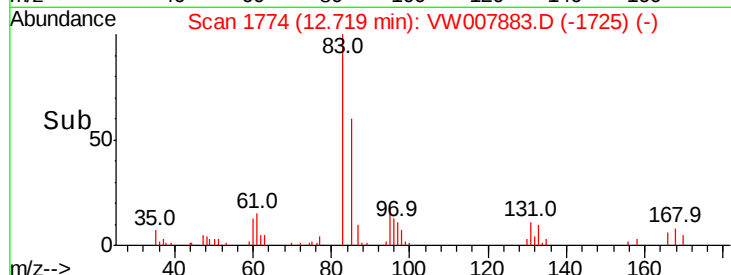
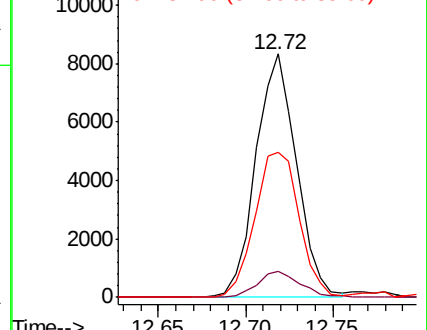
85 65.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 48.658 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007883.D

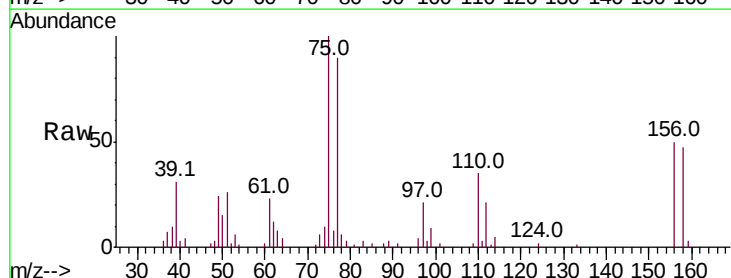
Acq: 24 Dec 2018 12:50

Tgt Ion: 75 Resp: 18801

Ion Ratio Lower Upper

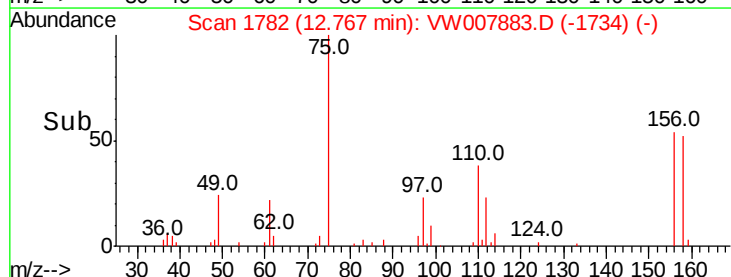
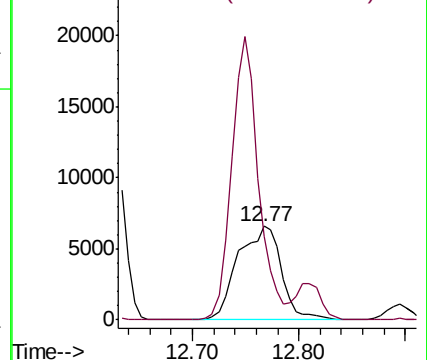
75 100

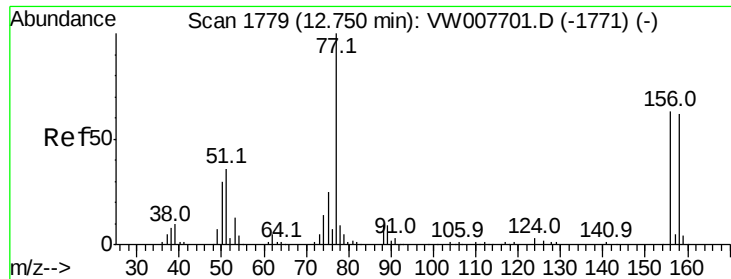
77 186.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.605 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

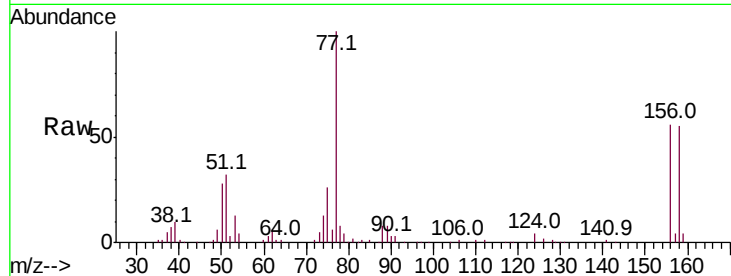
Tot Ion:156 Resp: 18710

Ion Ratio Lower Upper

156 100

77 187.4 87.4 262.1

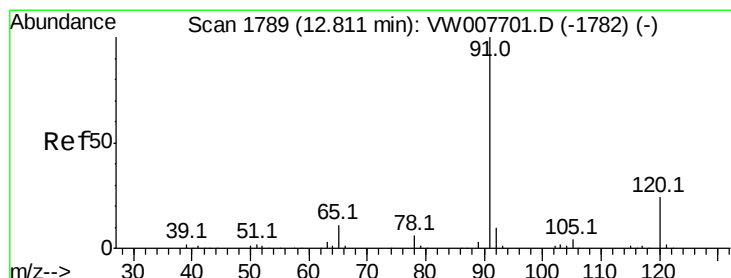
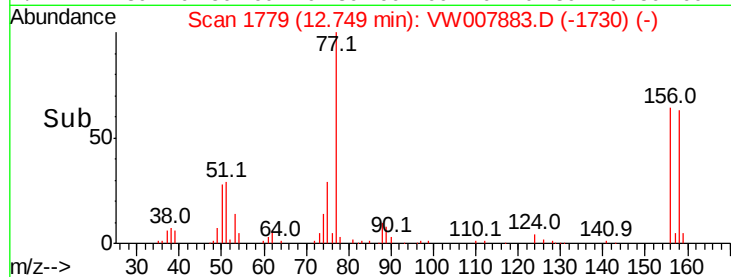
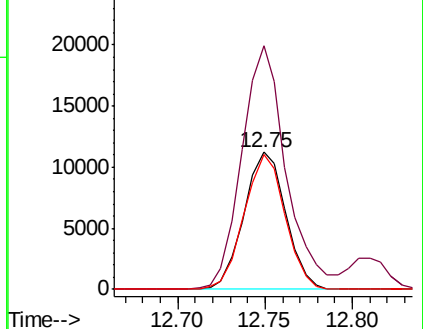
158 96.7 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.085 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007883.D

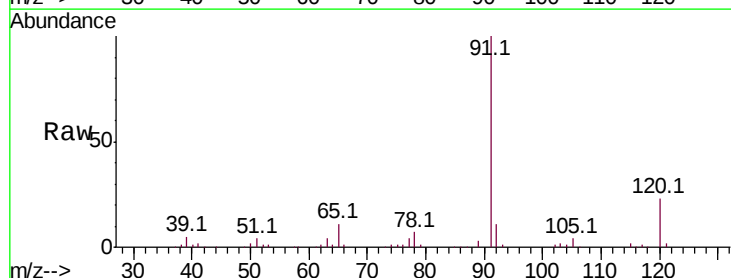
Acq: 24 Dec 2018 12:50

Tgt Ion: 91 Resp: 101548

Ion Ratio Lower Upper

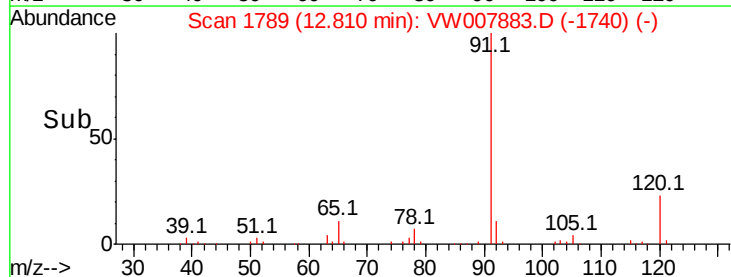
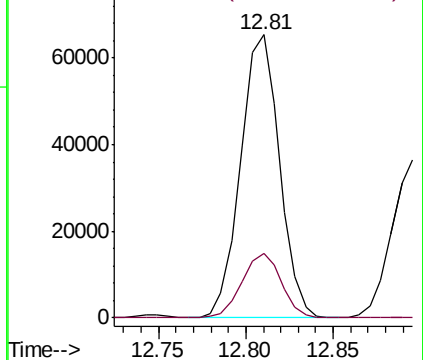
91 100

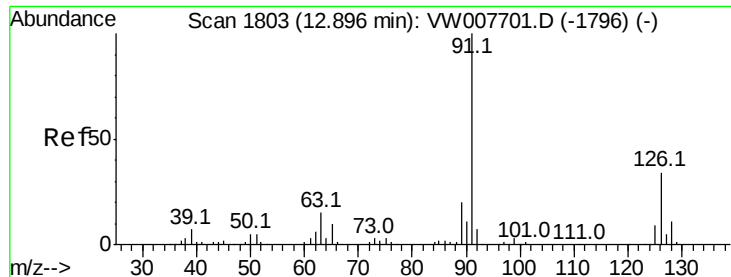
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.998 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

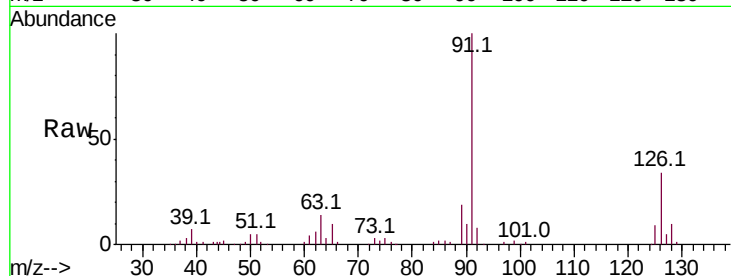
ClientSampleId :

Tot Ion: 91 Resp: 58934

Ion Ratio Lower Upper

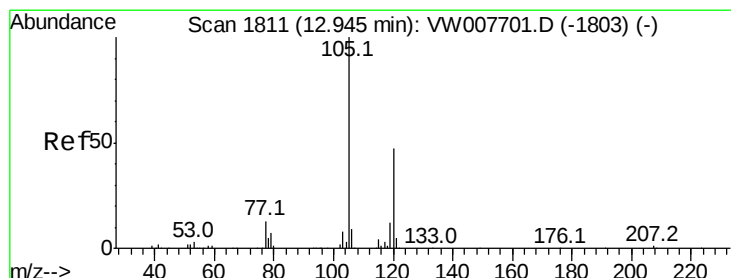
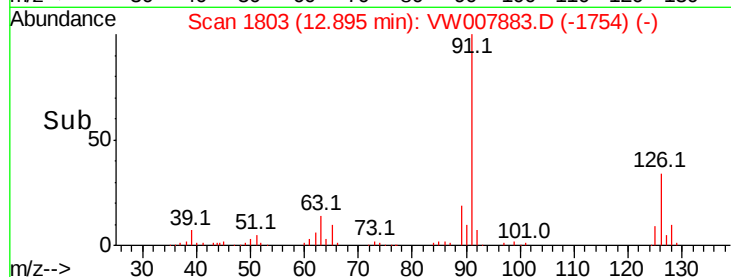
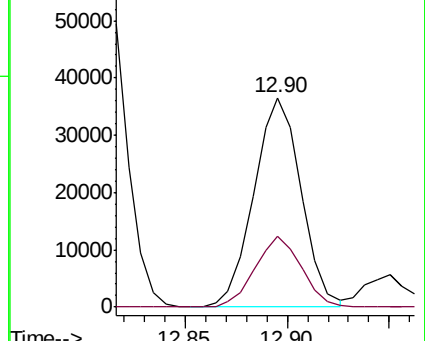
91 100

126 33.2 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.720 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007883.D

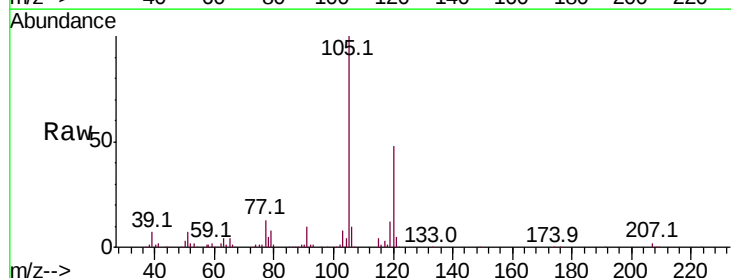
Acq: 24 Dec 2018 12:50

Tgt Ion:105 Resp: 74056

Ion Ratio Lower Upper

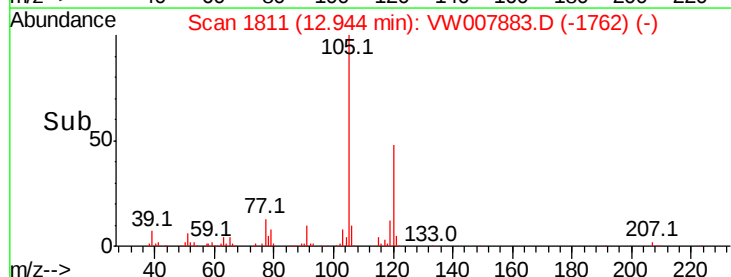
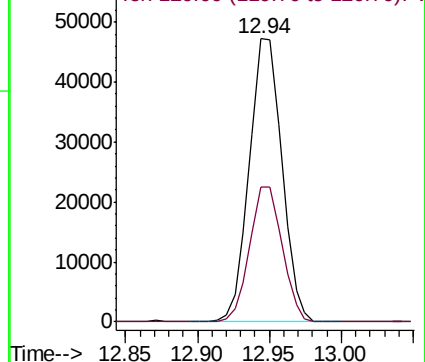
105 100

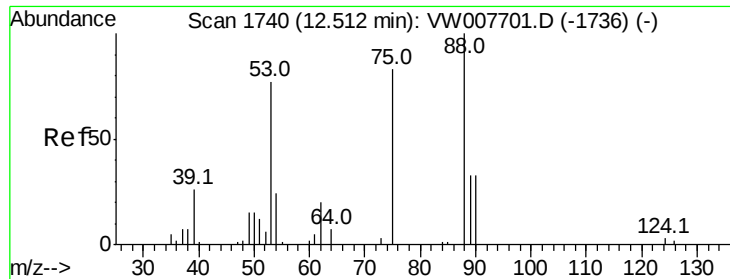
120 47.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

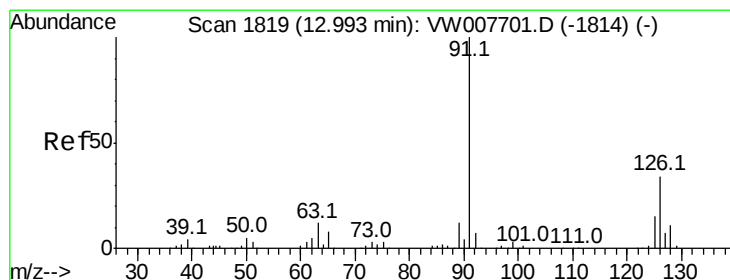
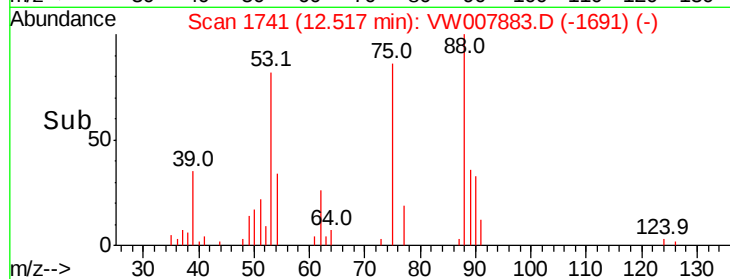
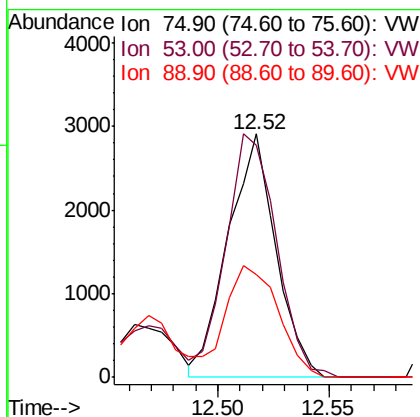
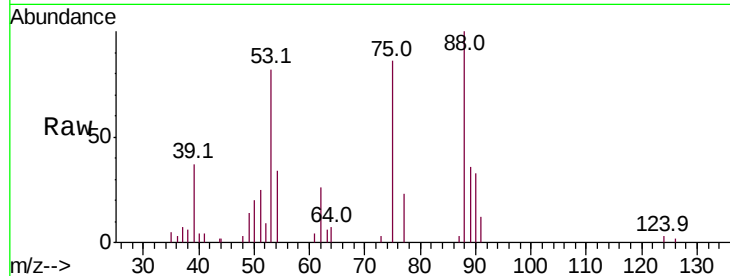




#81
trans-1,4-Dichloro-2-butene
Concen: 23.653 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

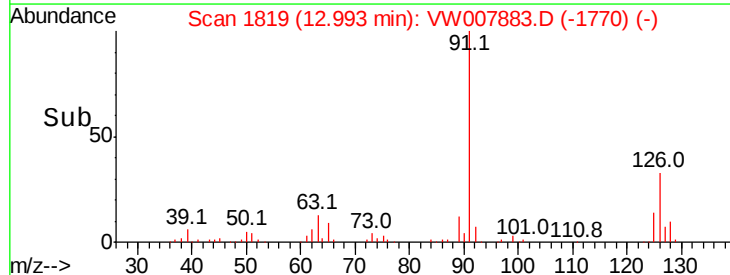
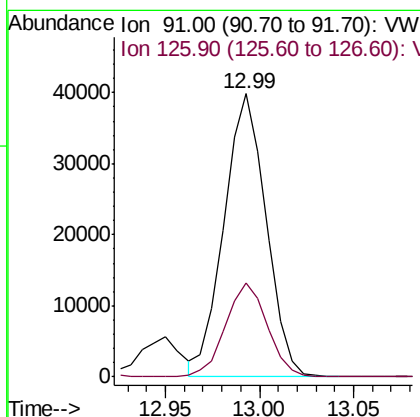
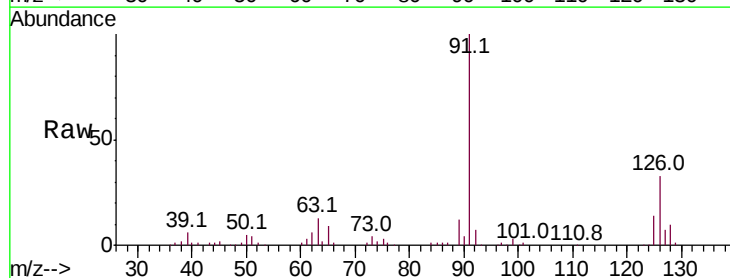
Instrument :
MSVOA_W
ClientSampleId :

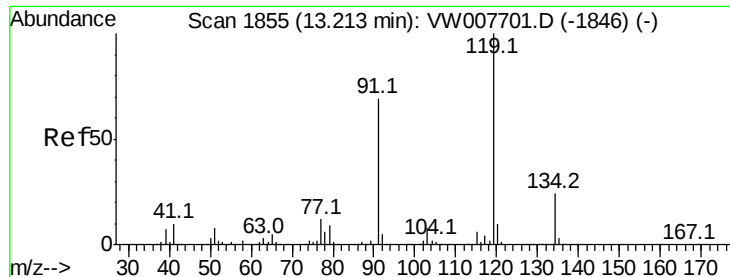
Tot Ion: 75 Resp: 4354
Ion Ratio Lower Upper
75 100
53 105.5 80.2 120.2
89 49.7 39.2 58.8



#82
4-Chlorotoluene
Concen: 22.613 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion: 91 Resp: 61698
Ion Ratio Lower Upper
91 100
126 32.9 16.5 49.5





#83

tert-Butylbenzene

Concen: 23.143 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

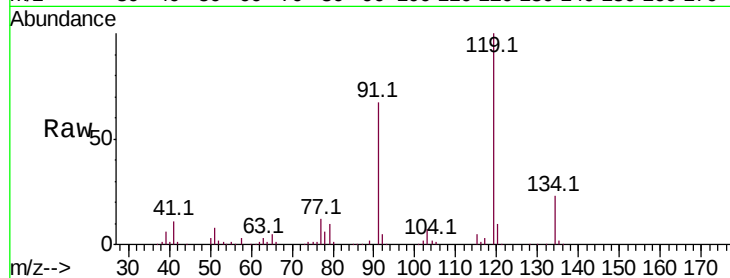
Tot Ion:119 Resp: 66189

Ion Ratio Lower Upper

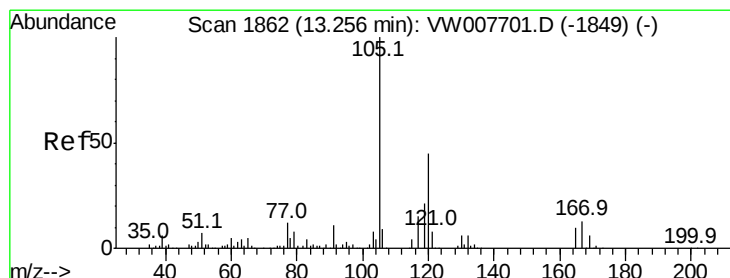
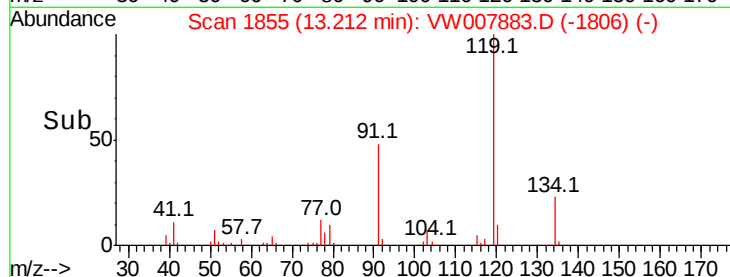
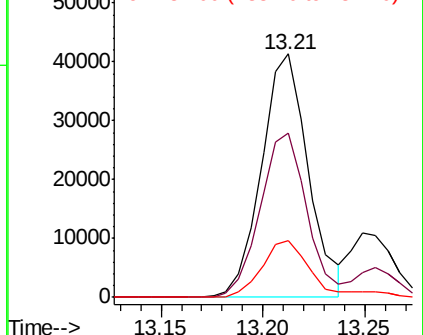
119 100

91 66.9 34.2 102.5

134 25.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.700 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007883.D

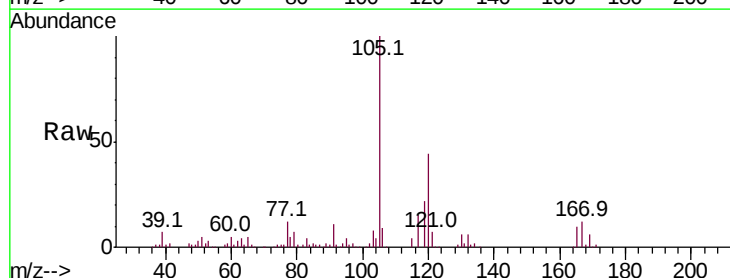
Acq: 24 Dec 2018 12:50

Tgt Ion:105 Resp: 74661

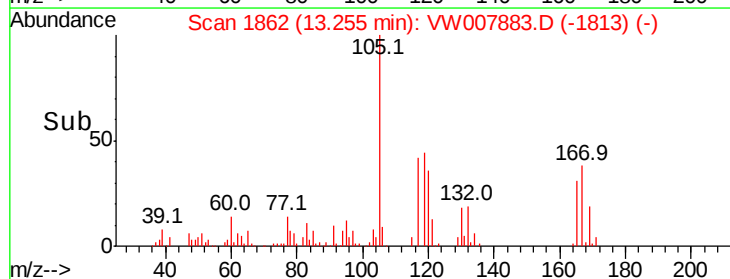
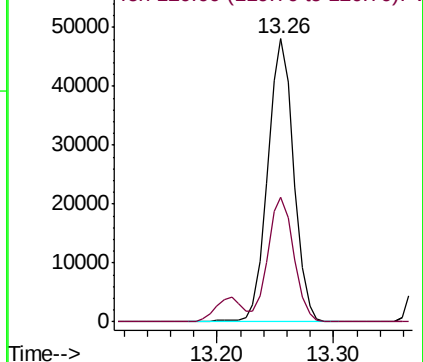
Ion Ratio Lower Upper

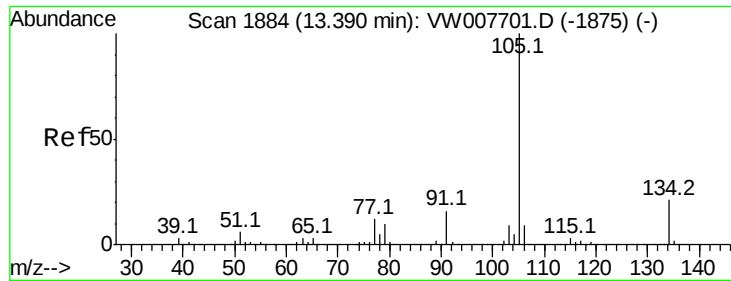
105 100

120 44.2 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

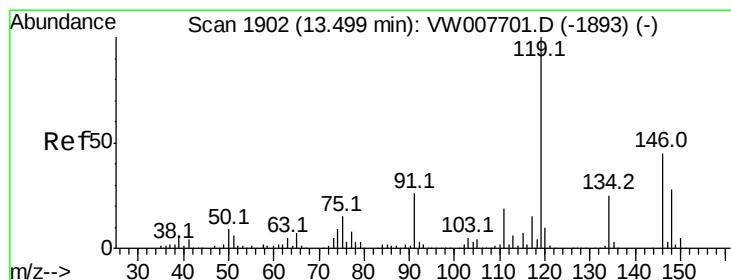
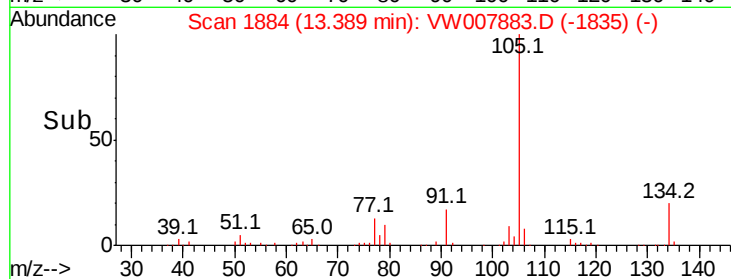
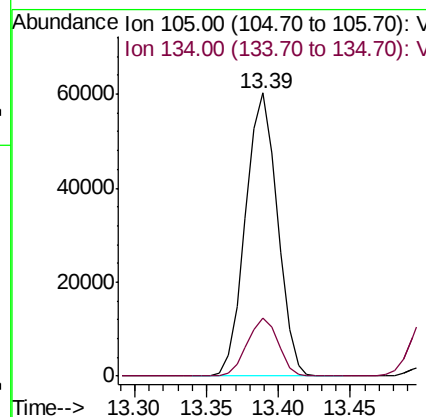
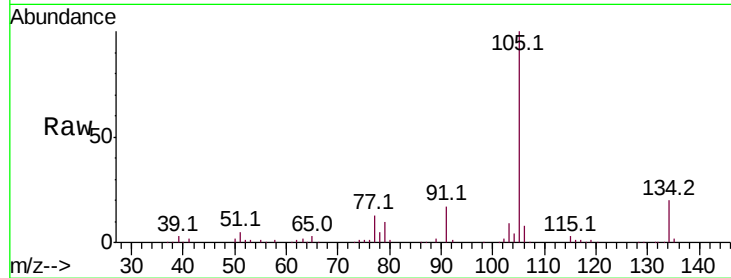




#85
 sec-Butylbenzene
 Concen: 23.530 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

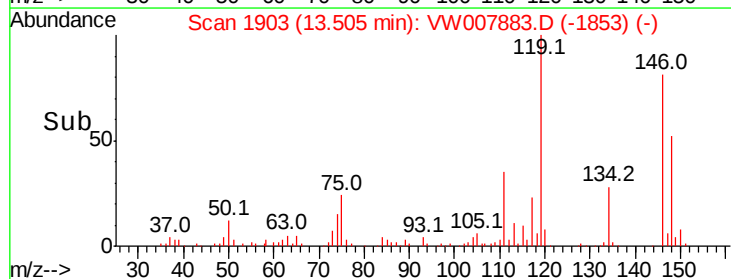
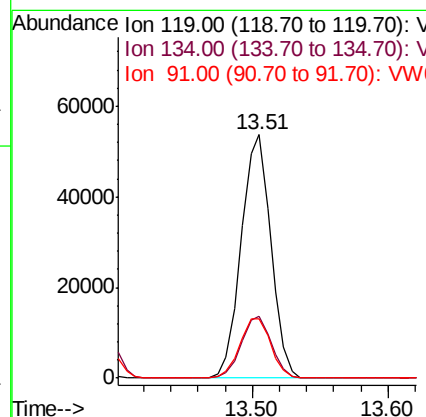
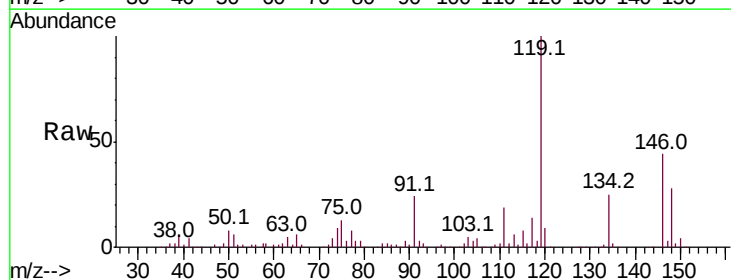
Instrument :
 MSVOA_W
 ClientSampleId :

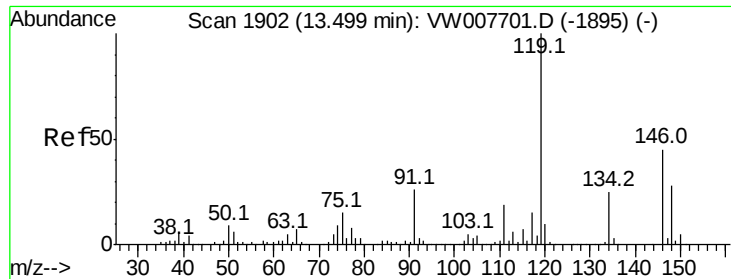
Tot Ion:105 Resp: 92745
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 22.759 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Tgt Ion:119 Resp: 81571
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 25.5 12.8 38.4

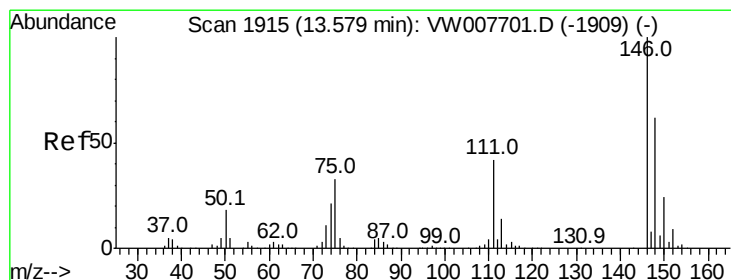
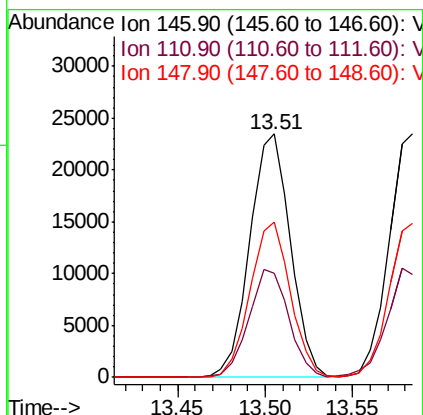
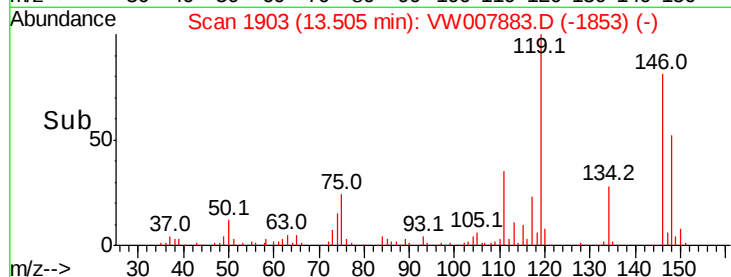
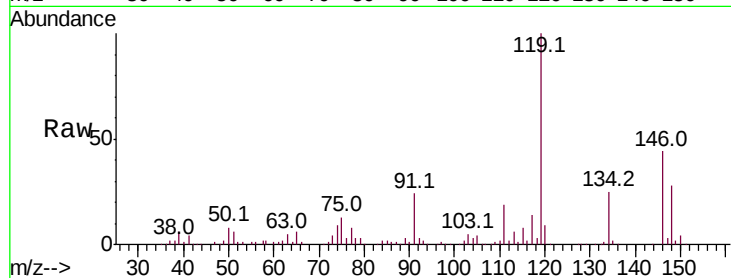




#87
 1,3-Dichlorobenzene
 Concen: 22.252 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

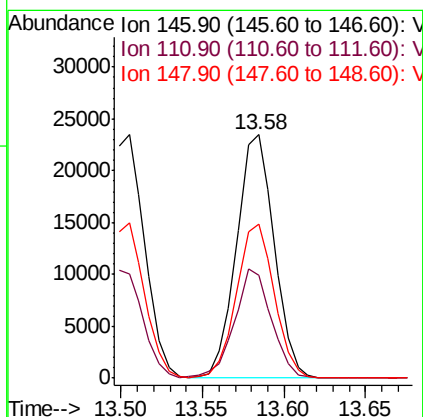
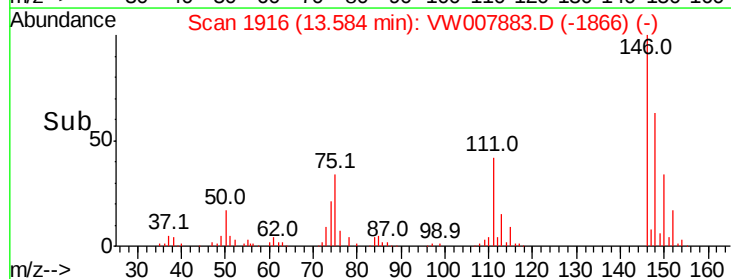
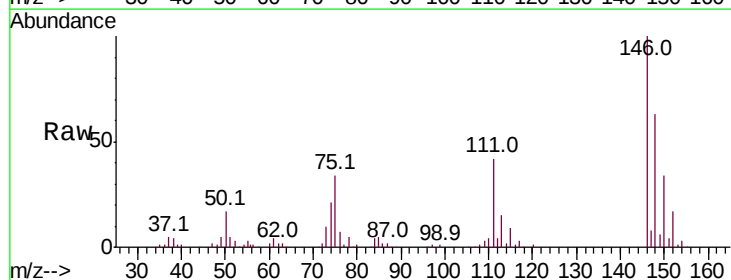
Instrument :
 MSVOA_W
 ClientSampleId :

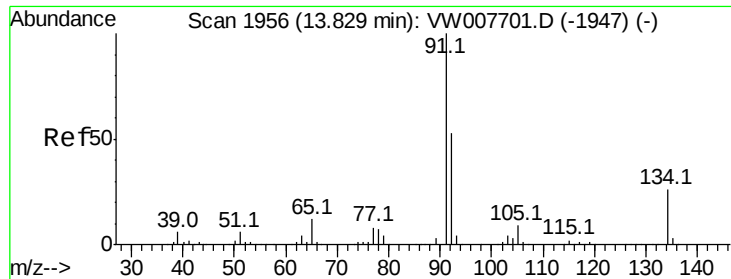
Tot Ion:146 Resp: 38261
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.1 63.4
 148 63.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.988 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Tgt Ion:146 Resp: 37818
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.0 63.0
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 23.394 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

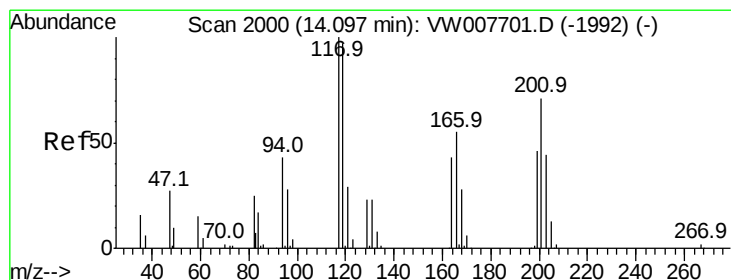
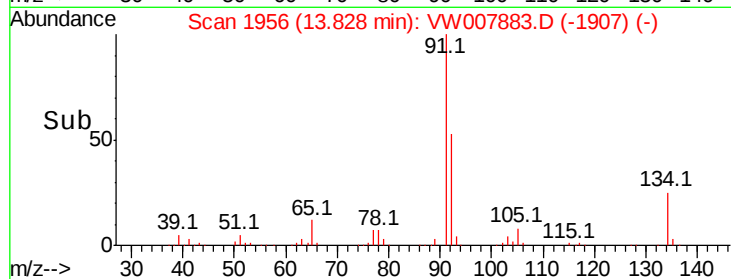
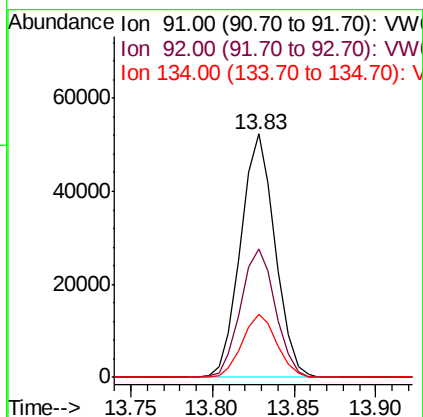
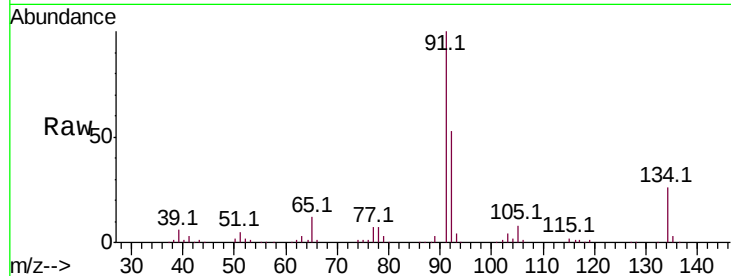
Tot Ion: 91 Resp: 76877

Ion Ratio Lower Upper

91 100

92 53.5 26.4 79.2

134 26.1 13.7 41.0



#90

Hexachloroethane

Concen: 19.722 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007883.D

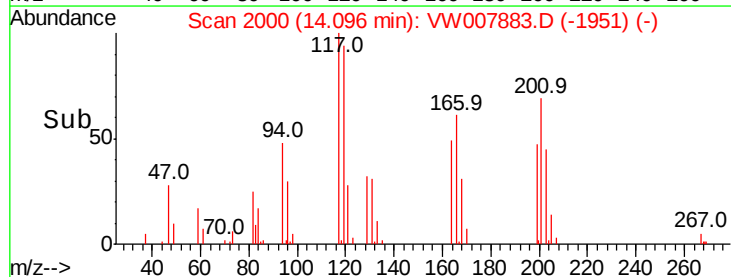
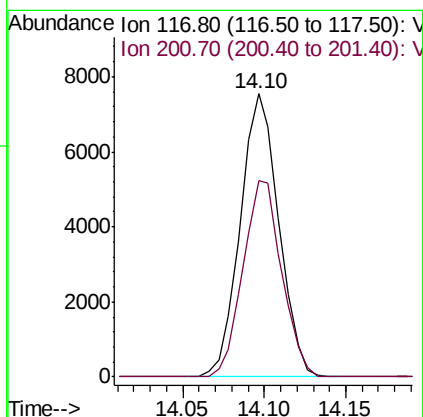
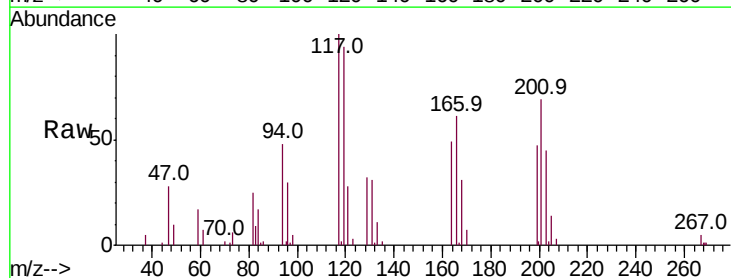
Acq: 24 Dec 2018 12:50

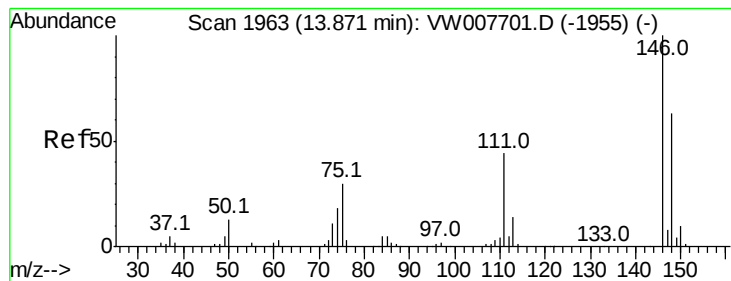
Tgt Ion: 117 Resp: 12410

Ion Ratio Lower Upper

117 100

201 69.6 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 21.926 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

Instrument :

MSVOA_W

ClientSampleId :

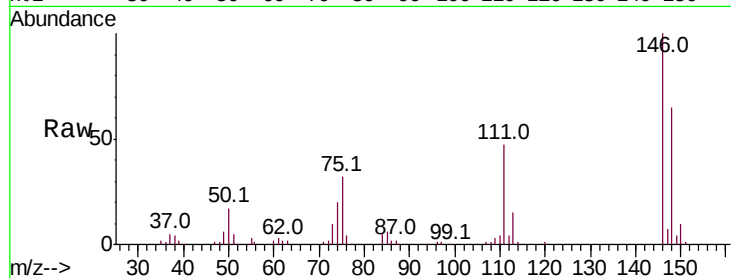
Tot Ion:146 Resp: 33755

Ion Ratio Lower Upper

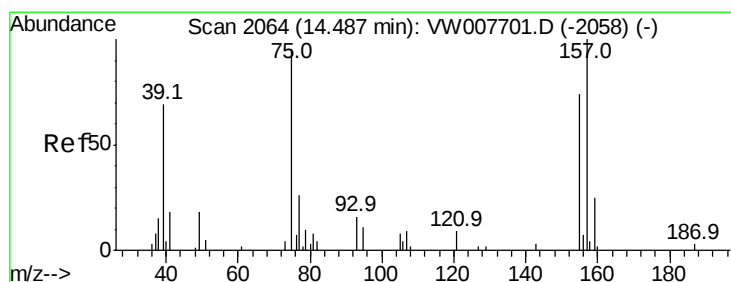
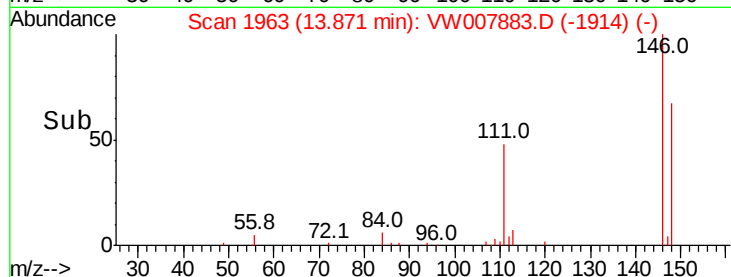
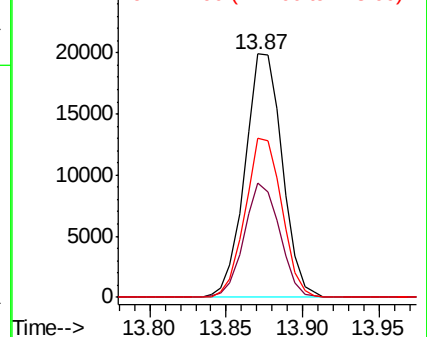
146 100

111 44.6 21.7 65.1

148 64.3 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.890 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007883.D

Acq: 24 Dec 2018 12:50

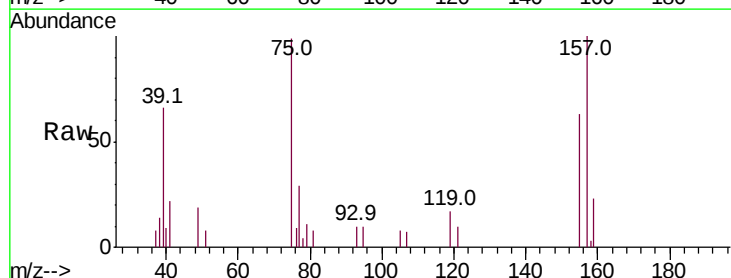
Tgt Ion: 75 Resp: 2547

Ion Ratio Lower Upper

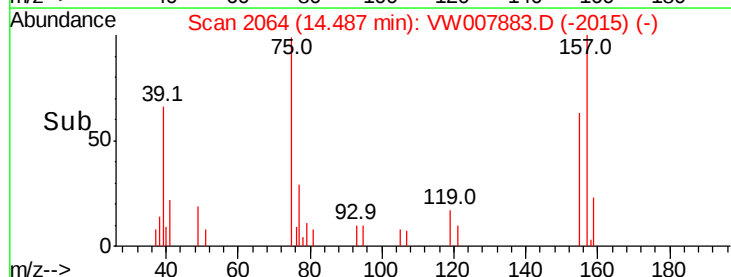
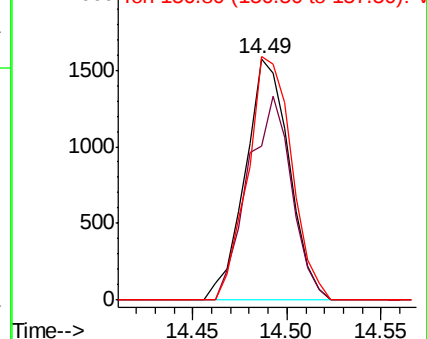
75 100

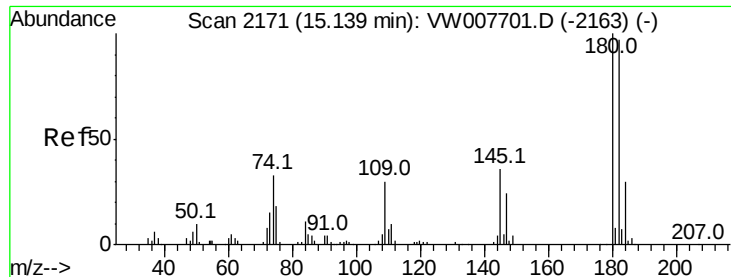
155 83.9 39.4 118.1

157 101.0 52.0 156.0



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

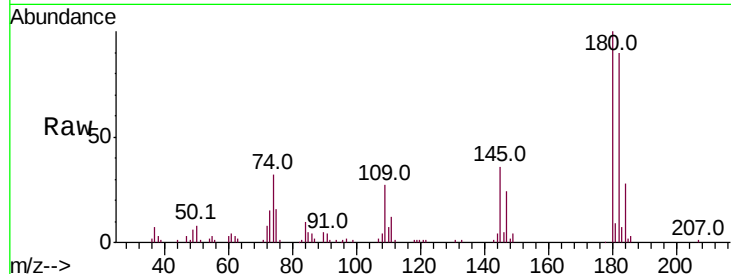




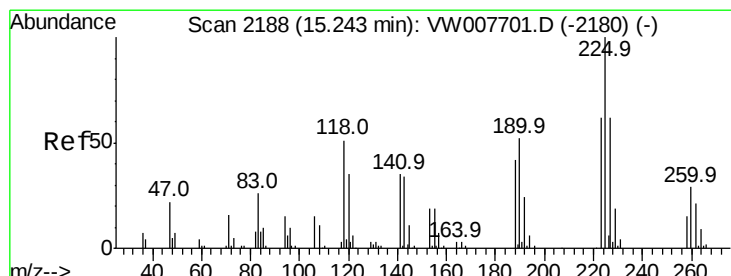
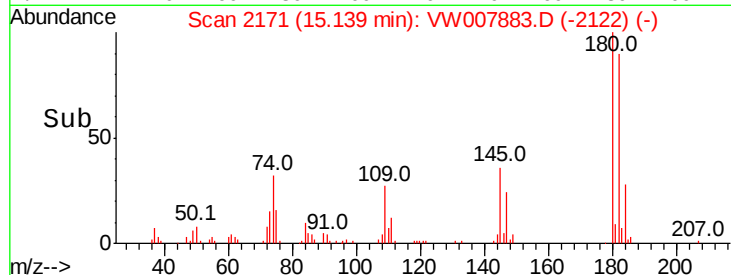
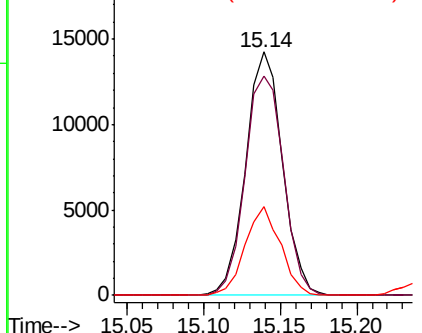
#93
 1,2,4-Trichlorobenzene
 Concen: 22.257 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	35.2	17.5	52.5

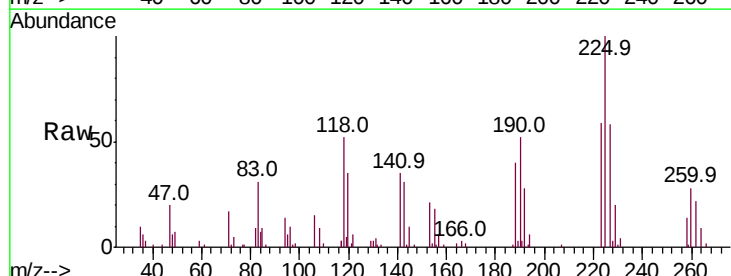


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

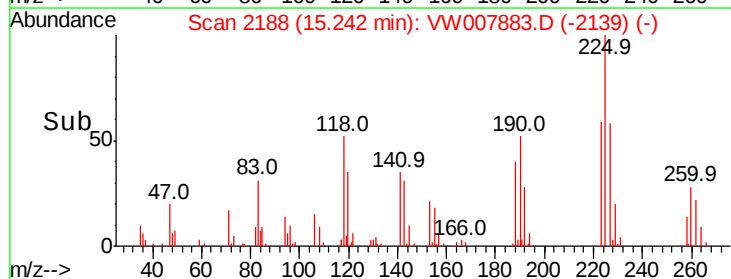
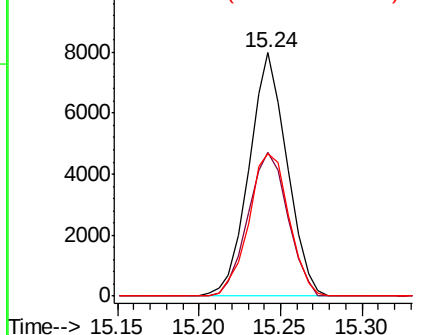


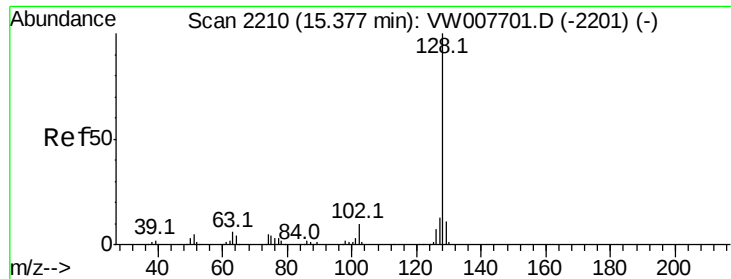
#94
 Hexachlorobutadiene
 Concen: 22.549 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007883.D
 Acq: 24 Dec 2018 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	94.8
227	62.1	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

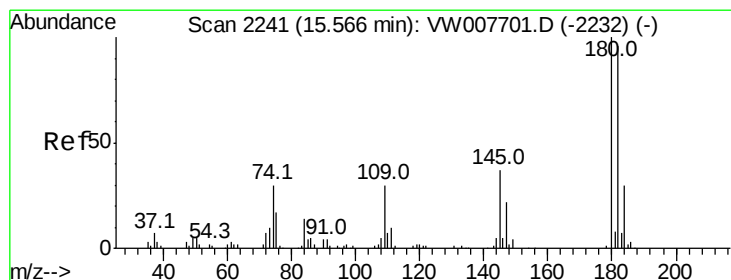
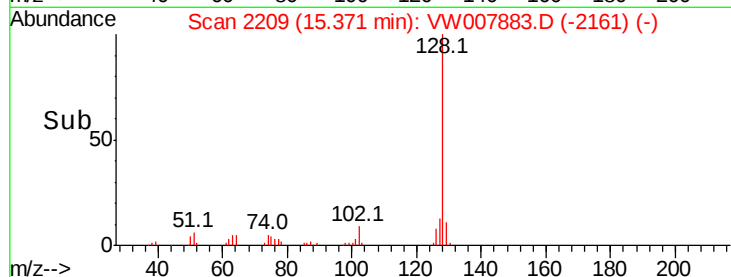
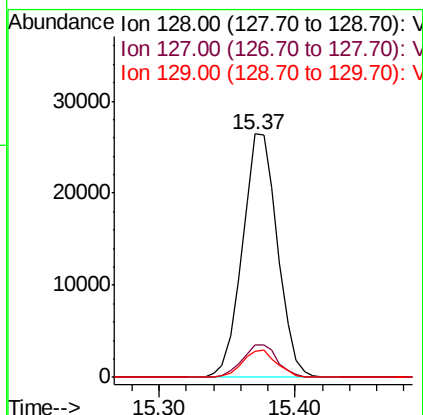
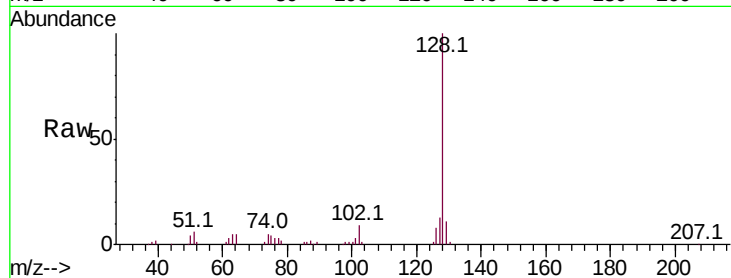




#95
Naphthalene
Concen: 24.109 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 47634
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.450 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007883.D
Acq: 24 Dec 2018 12:50

Tgt Ion:180 Resp: 20536
Ion Ratio Lower Upper
180 100
182 94.5 47.4 142.2
145 36.8 18.4 55.0

