

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007894.D
 Acq On : 24 Dec 2018 17:35
 Operator : SY/AP
 Sample : J6446-14MS
 Misc : 3.84G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:04:25 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	58536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	96614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	69856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23373	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	36359	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	
35) Dibromofluoromethane	7.88	113	30621	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.32	98	95838	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	
62) 4-Bromofluorobenzene	12.62	95	26939	31.38	ug/l	0.00
Spiked Amount			Recovery	=	62.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25776	49.533	ug/l	93
3) Chloromethane	2.21	50	23710	74.200	ug/l	95
4) Vinyl Chloride	2.37	62	28059	68.981	ug/l	96
5) Bromomethane	2.78	94	17527	61.864	ug/l	98
6) Chloroethane	2.93	64	15412	70.822	ug/l	97
7) Trichlorofluoromethane	3.26	101	19222	45.390	ug/l	95
8) Diethyl Ether	3.68	74	15999	61.680	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	27679	44.380	ug/l	98
10) Methyl Iodide	4.27	142	46823	47.208	ug/l	97
11) Tert butyl alcohol	5.18	59	11633	268.787	ug/l	99
12) 1,1-Dichloroethene	4.04	96	29099	50.385	ug/l	96
13) Acrolein	3.90	56	3170	91.606	ug/l	99
14) Allyl chloride	4.66	41	45620	60.236	ug/l	92
15) Acrylonitrile	5.37	53	29721	268.615	ug/l	99
16) Acetone	4.12	43	24202	201.445	ug/l	98
17) Carbon Disulfide	4.37	76	80218	44.885	ug/l	98
18) Methyl Acetate	4.67	43	45531	159.353	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	54219	65.394	ug/l	93
20) Methylene Chloride	4.91	84	31205	52.216	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	31335	49.333	ug/l	98
22) Diisopropyl ether	6.31	45	93263	65.766	ug/l	97
23) Vinyl Acetate	6.26	43	60072	71.299	ug/l	97
24) 1,1-Dichloroethane	6.21	63	57132	54.764	ug/l	99
25) 2-Butanone	7.17	43	37302	265.076	ug/l	92
26) 2,2-Dichloropropane	7.17	77	38959	51.033	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	34505	50.989	ug/l	96
28) Bromochloromethane	7.51	49	19334	54.355	ug/l	88
29) Tetrahydrofuran	7.53	42	25968	309.370	ug/l	94
30) Chloroform	7.68	83	58783	49.789	ug/l	97
31) Cyclohexane	7.96	56	38345	40.149	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	50272	46.753	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40087	42.989	ug/l	98
37) Ethyl Acetate	7.26	43	11688	36.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	43408	39.527	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)
39) Methylcyclohexane	9.34	83	35397	30.548	ug/l	97
40) Benzene	8.32	78	121111	48.671	ug/l	99
41) Methacrylonitrile	7.48	41	7966	43.598	ug/l	95
42) 1,2-Dichloroethane	8.40	62	40540	48.615	ug/l	98
43) Isopropyl Acetate	8.43	43	27191	42.173	ug/l	97
44) Trichloroethene	9.09	130	31075	41.295	ug/l	98
45) 1,2-Dichloropropane	9.37	63	29244	52.965	ug/l	100
46) Dibromomethane	9.46	93	15405	45.324	ug/l	97
47) Bromodichloromethane	9.65	83	39699	44.429	ug/l	99
48) Methyl methacrylate	9.44	41	21627	67.200	ug/l	90
49) 1,4-Dioxane	9.45	88	5017	931.022	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	84801	278.304	ug/l	97
52) Toluene	10.39	92	70423	42.182	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38861	43.725	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	44595	45.426	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21220	45.288	ug/l	98
56) Ethyl methacrylate	10.65	69	17395	31.421	ug/l	92
57) 1,3-Dichloropropane	10.93	76	36518	46.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	61004	241.350	ug/l	98
59) 2-Hexanone	10.97	43	54819	255.816	ug/l	97
60) Dibromochloromethane	11.13	129	24031	38.734	ug/l	99
61) 1,2-Dibromoethane	11.24	107	20168	42.504	ug/l	100
64) Tetrachloroethene	10.87	164	20704	41.854	ug/l	98
65) Chlorobenzene	11.66	112	68437	45.263	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	26262	48.610	ug/l	97
67) Ethyl Benzene	11.73	91	121128	46.685	ug/l	95
68) m/p-Xylenes	11.84	106	90898	90.314	ug/l	100
69) o-Xylene	12.17	106	44075	46.718	ug/l	99
70) Styrene	12.18	104	67775	43.703	ug/l	100
71) Bromoform	12.35	173	11216	39.992	ug/l #	99
73) Isopropylbenzene	12.47	105	111706	63.227	ug/l	99
74) N-amyl acetate	12.27	43	14478	47.310	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	19936	75.260	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27358	151.441	ug/l #	100
77) Bromobenzene	12.75	156	24146	59.636	ug/l	90
78) n-propylbenzene	12.80	91	117528	57.147	ug/l	99
79) 2-Chlorotoluene	12.90	91	68869	57.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	86957	57.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6245	72.564	ug/l	99
82) 4-Chlorotoluene	12.99	91	71153	55.777	ug/l	98
83) tert-Butylbenzene	13.21	119	77363	57.857	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	86967	56.555	ug/l	99
85) sec-Butylbenzene	13.39	105	92094	49.975	ug/l	99
86) p-Isopropyltoluene	13.51	119	81784	48.806	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39033	48.554	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38797	48.246	ug/l	100
89) n-Butylbenzene	13.83	91	63203	41.137	ug/l	99
90) Hexachloroethane	14.10	117	13246	45.026	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	33714	46.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3427	62.997	ug/l	98

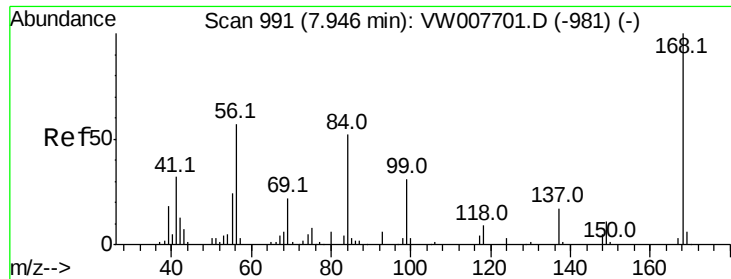
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15322	30.667	ug/l	96
94) Hexachlorobutadiene	15.24	225	7338	27.482	ug/l	98
95) Naphthalene	15.38	128	36223	39.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11914	27.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

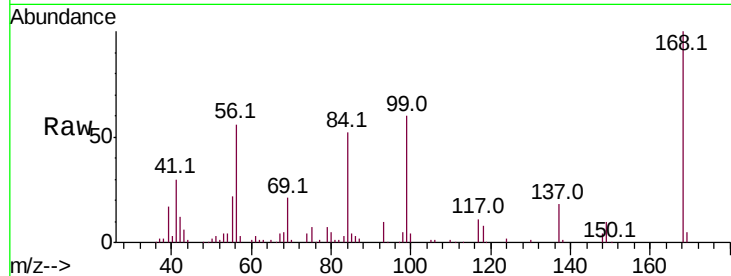
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 58536

Ion Ratio Lower Upper

168 100

99 60.0 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

25000

20000

15000

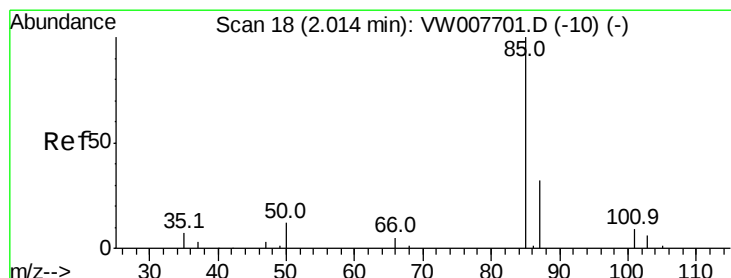
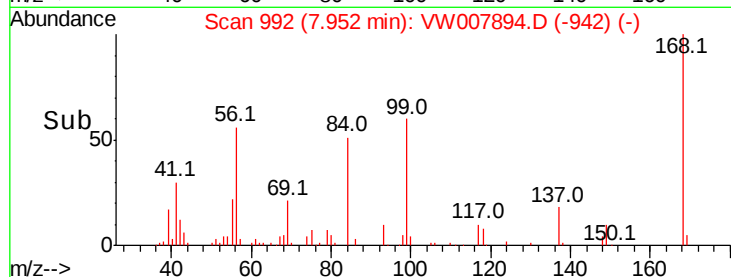
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 49.533 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007894.D

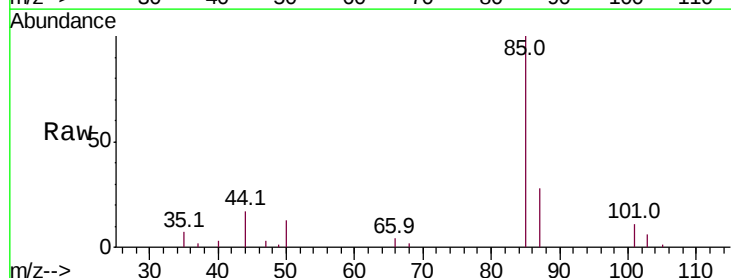
Acq: 24 Dec 2018 17:35

Tgt Ion: 85 Resp: 25776

Ion Ratio Lower Upper

85 100

87 28.5 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

8000

6000

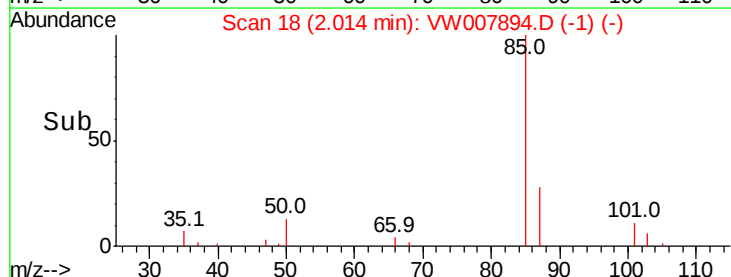
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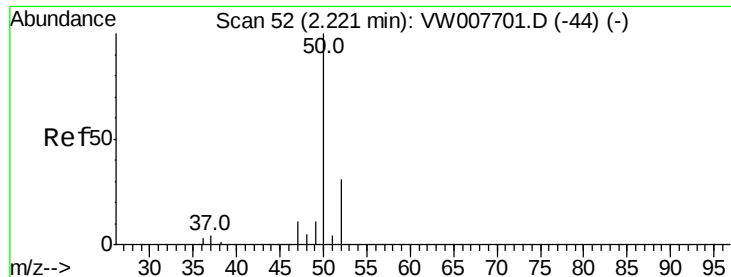
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 74.200 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

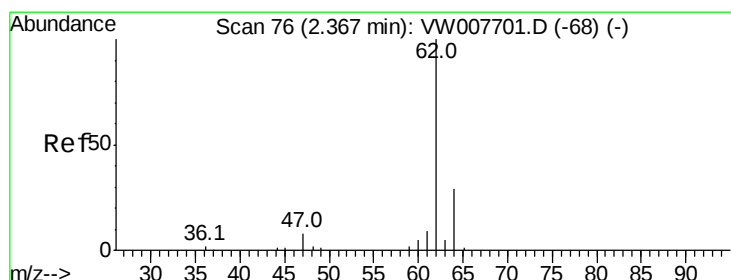
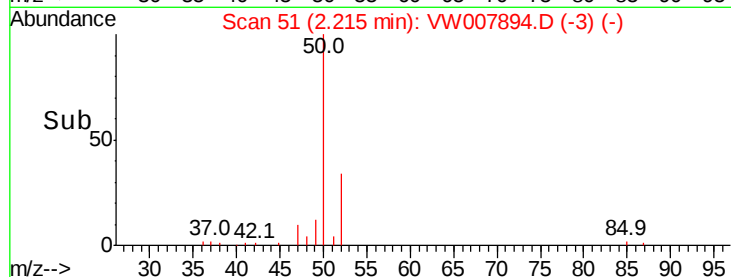
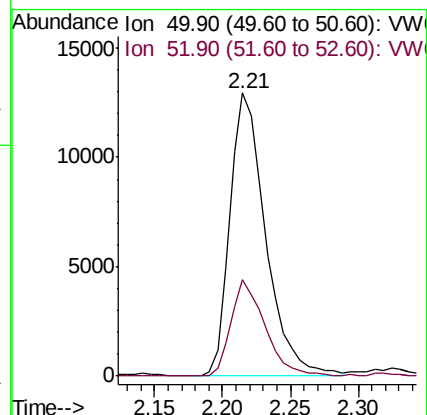
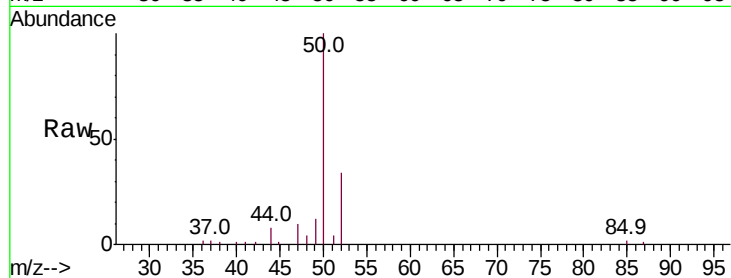
ClientSampled :

Tot Ion: 50 Resp: 23710

Ion Ratio Lower Upper

50 100

52 34.2 25.1 37.7



#4

Vinyl Chloride

Concen: 68.981 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007894.D

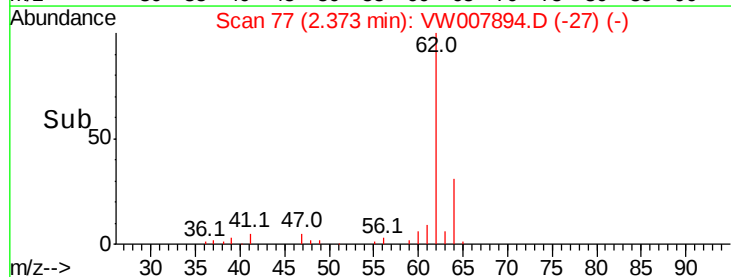
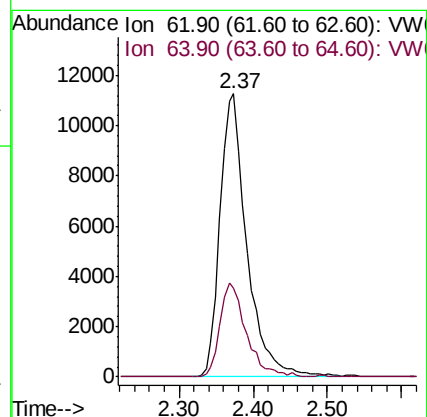
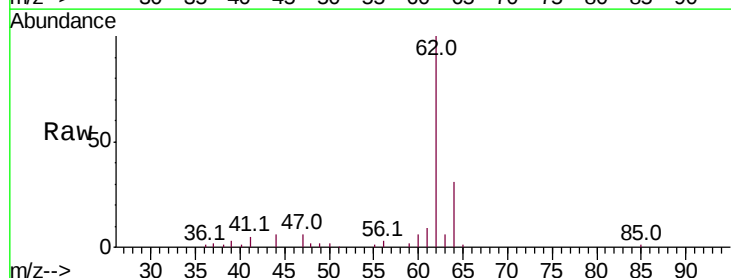
Acq: 24 Dec 2018 17:35

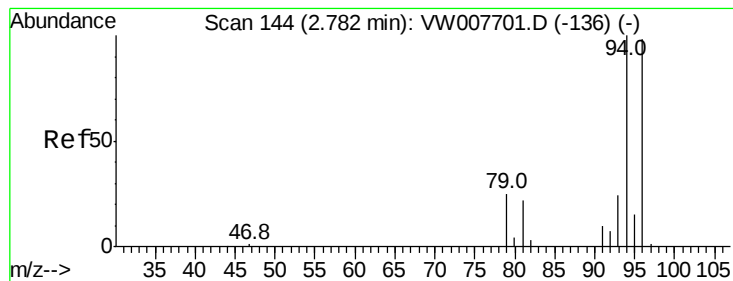
Tgt Ion: 62 Resp: 28059

Ion Ratio Lower Upper

62 100

64 31.4 23.4 35.0





#5

Bromomethane

Concen: 61.864 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

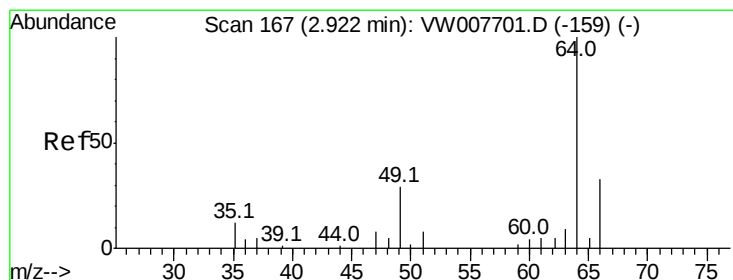
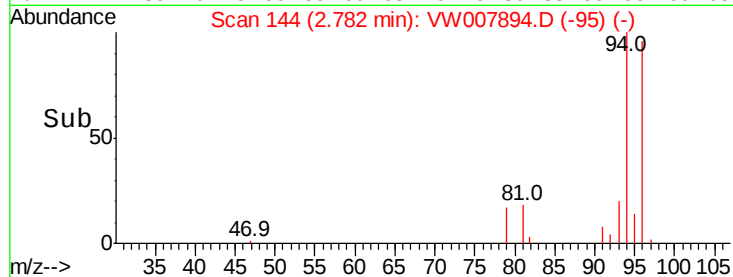
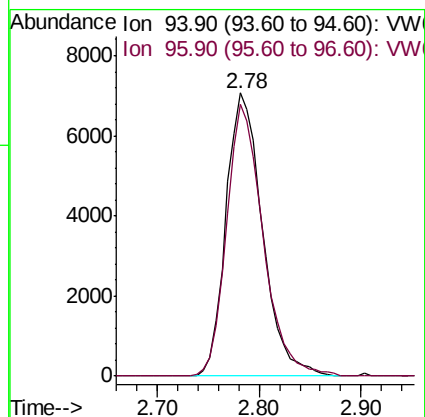
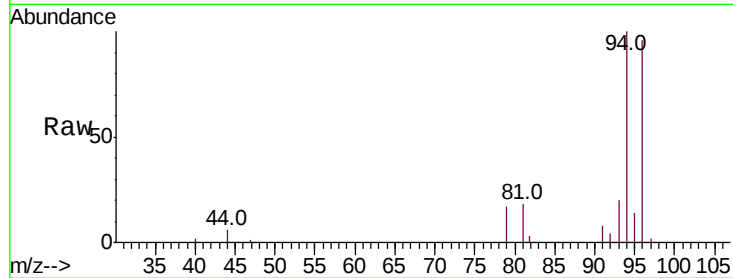
ClientSampleId :

Tot Ion: 94 Resp: 17527

Ion Ratio Lower Upper

94 100

96 96.0 78.2 117.2



#6

Chloroethane

Concen: 70.822 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007894.D

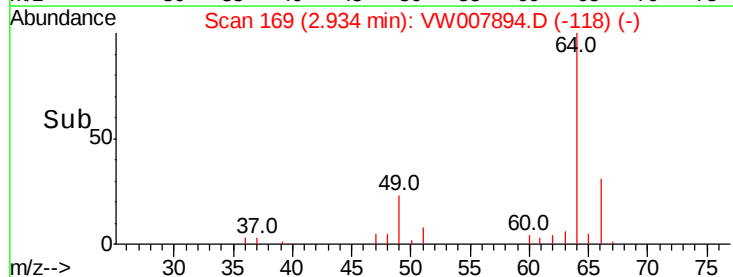
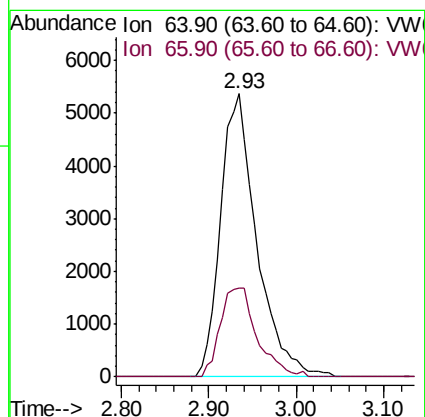
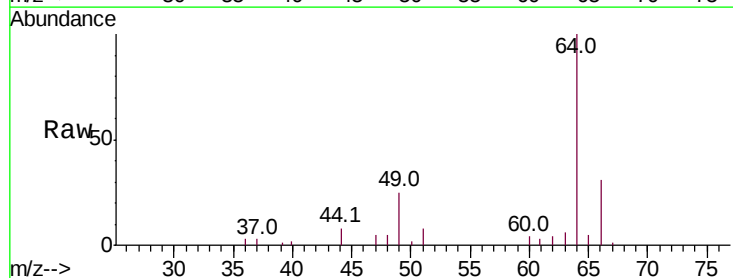
Acq: 24 Dec 2018 17:35

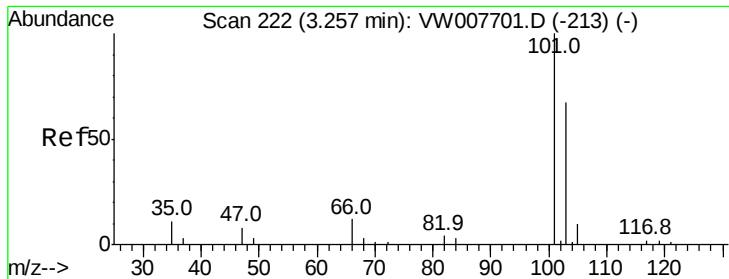
Tgt Ion: 64 Resp: 15412

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.4



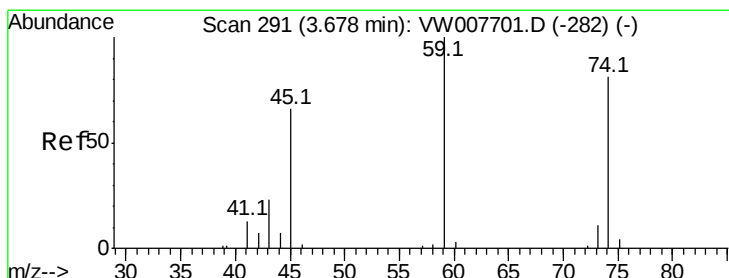
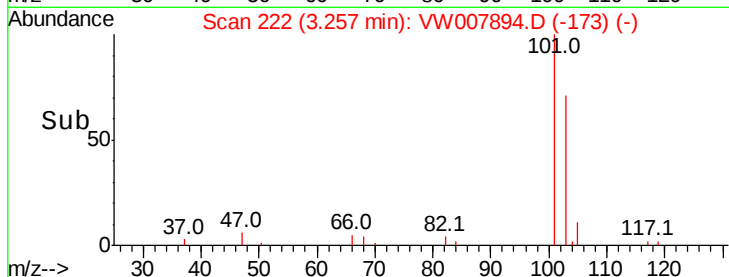
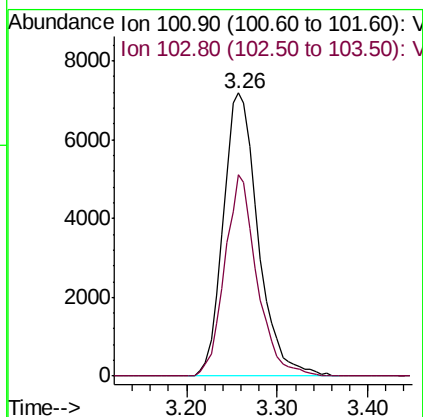
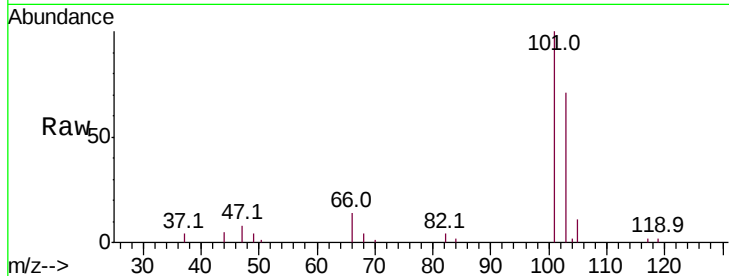


#7

Trichlorofluoromethane
Concen: 45.390 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

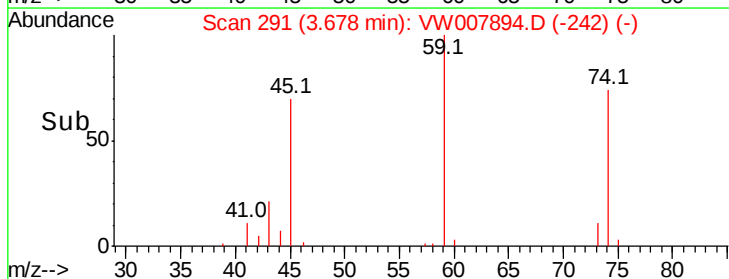
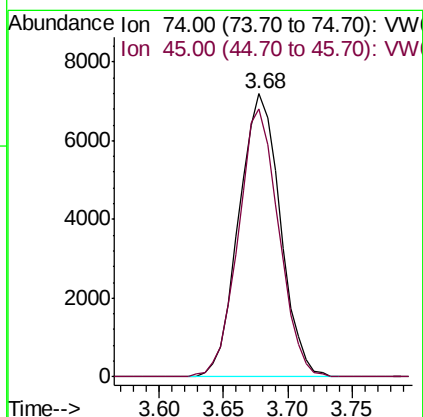
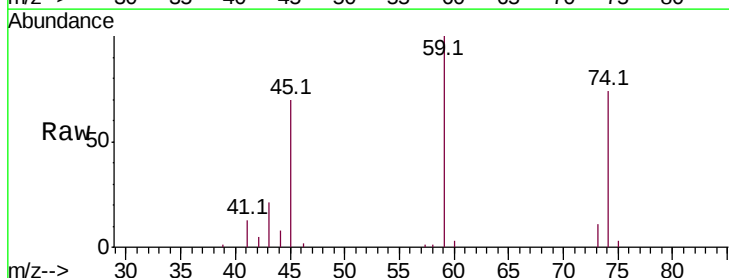
Tot Ion:101 Resp: 19222
Ion Ratio Lower Upper
101 100
103 71.2 53.4 80.2

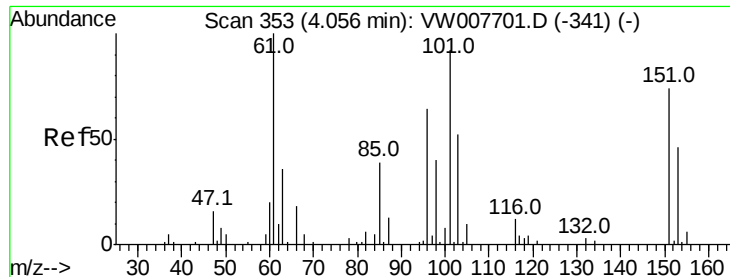


#8

Diethyl Ether
Concen: 61.680 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 74 Resp: 15999
Ion Ratio Lower Upper
74 100
45 92.2 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.380 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

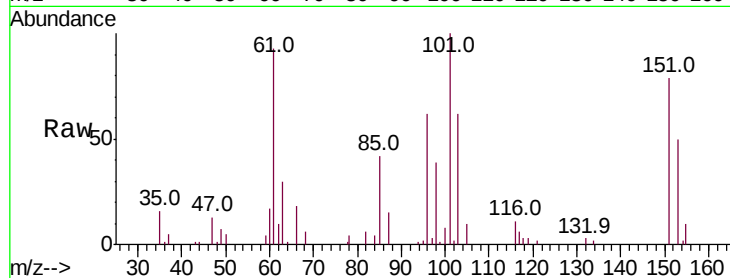
Tot Ion:101 Resp: 27679

Ion Ratio Lower Upper

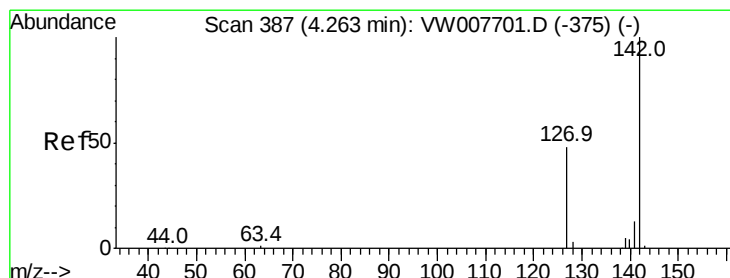
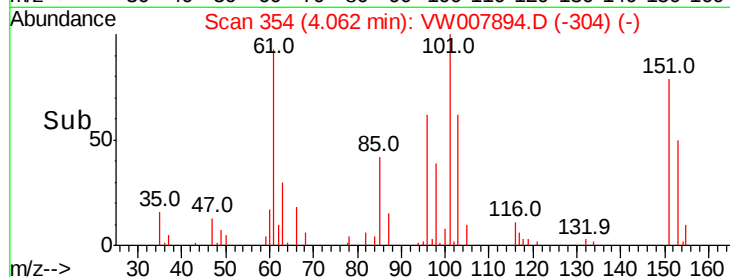
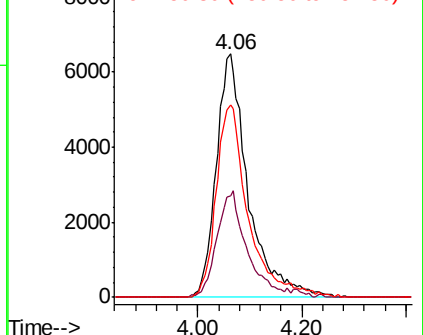
101 100

85 41.0 34.3 51.5

151 79.8 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.208 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

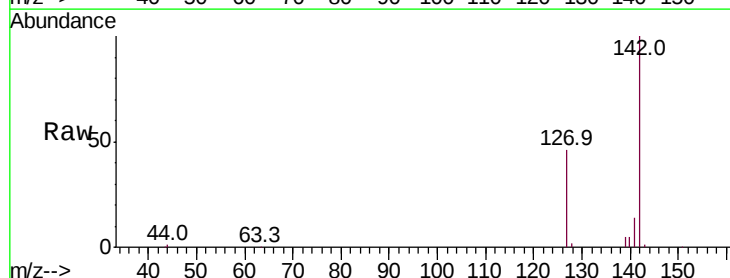
Tgt Ion:142 Resp: 46823

Ion Ratio Lower Upper

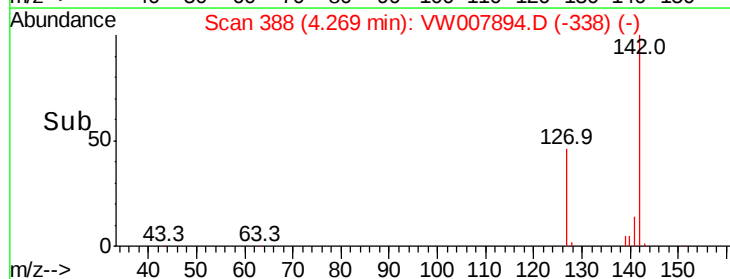
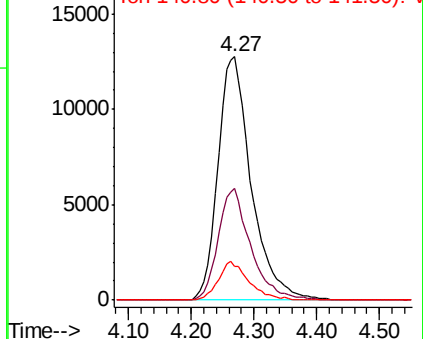
142 100

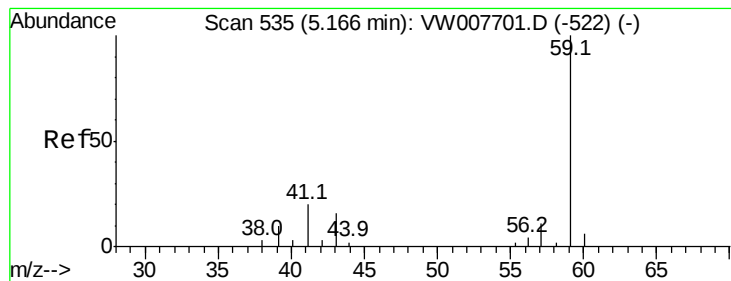
127 44.6 37.7 56.5

141 14.5 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



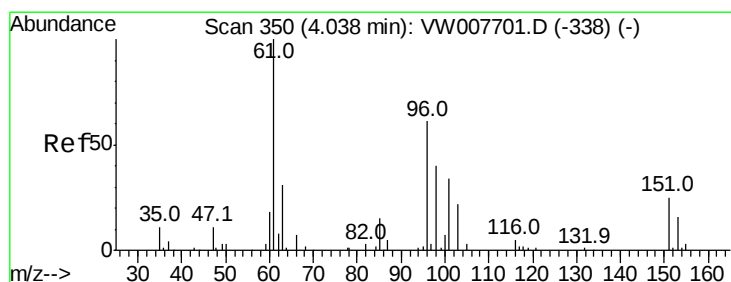
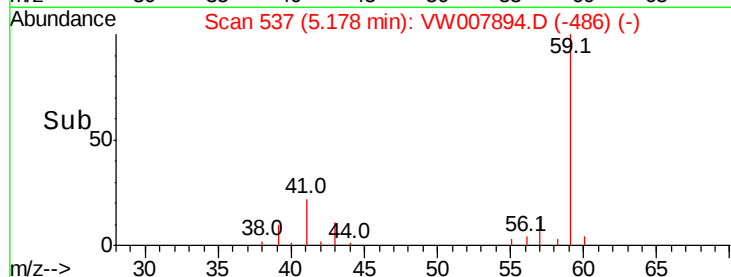
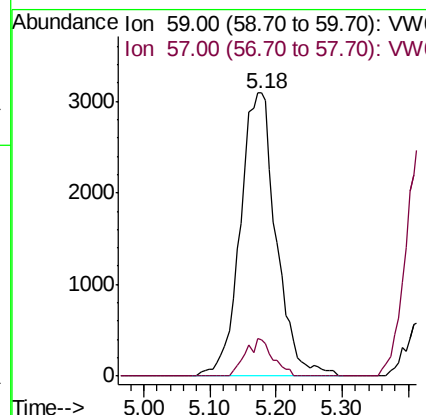
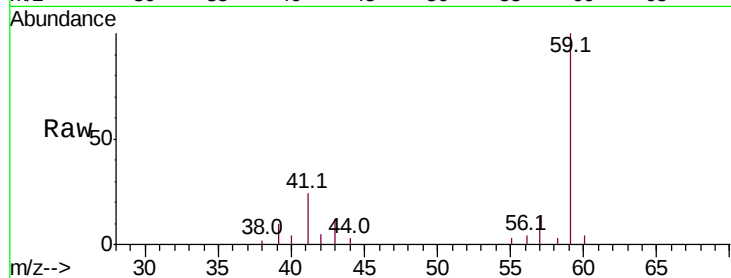


#11

Tert butyl alcohol
 Concen: 268.787 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Instrument :
 MSVOA_W
 ClientSampleId :

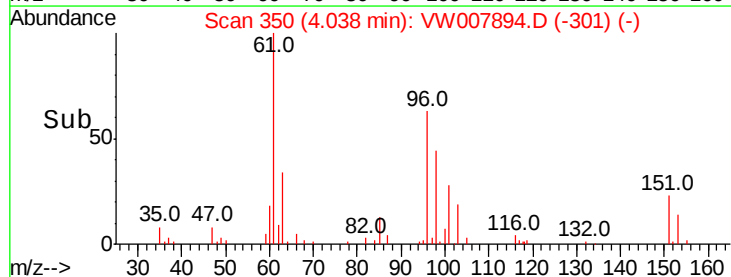
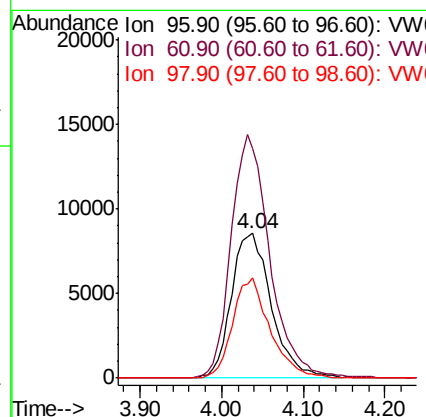
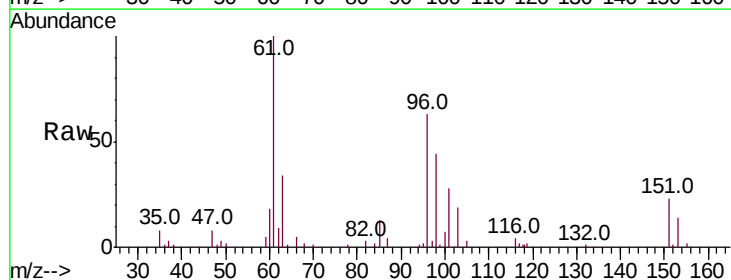
Tot Ion: 59 Resp: 11633
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.8 11.8

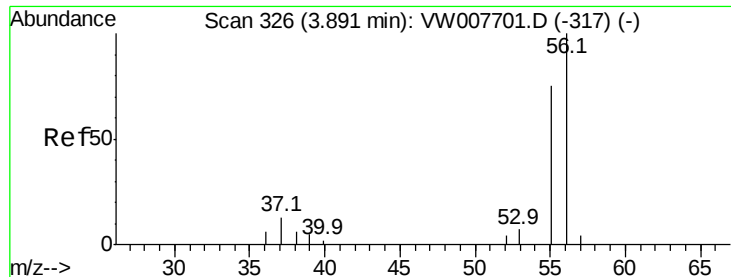


#12

1,1-Dichloroethene
 Concen: 50.385 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion: 96 Resp: 29099
 Ion Ratio Lower Upper
 96 100
 61 158.6 130.6 195.8
 98 69.5 52.3 78.5





#13

Acrolein

Concen: 91.606 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

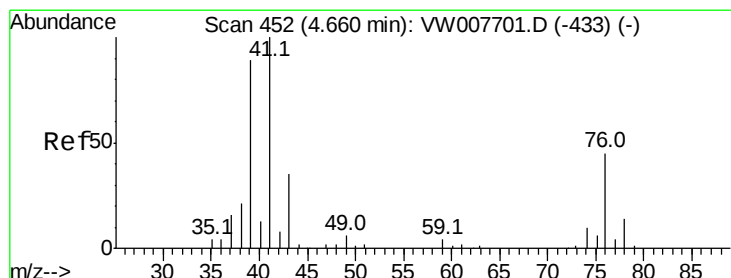
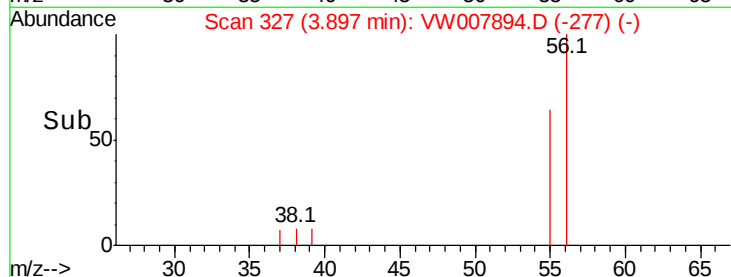
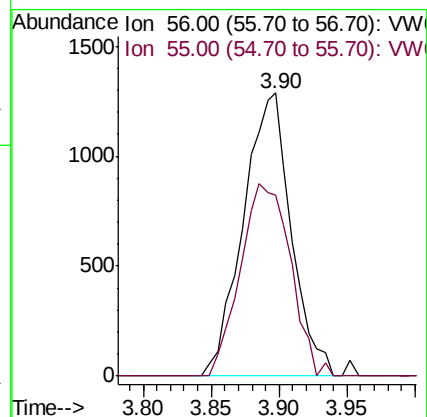
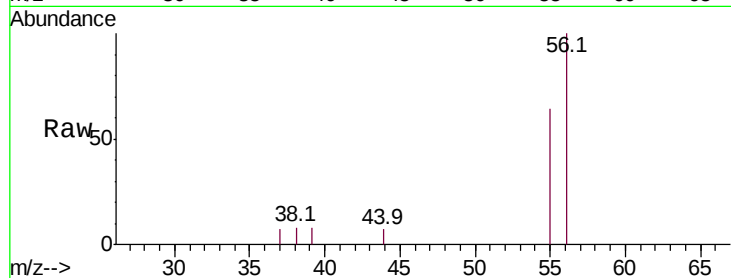
ClientSampled :

Tot Ion: 56 Resp: 3170

Ion Ratio Lower Upper

56 100

55 71.2 57.7 86.5



#14

Allyl chloride

Concen: 60.236 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

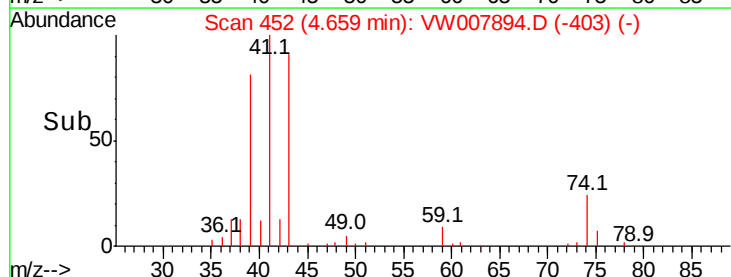
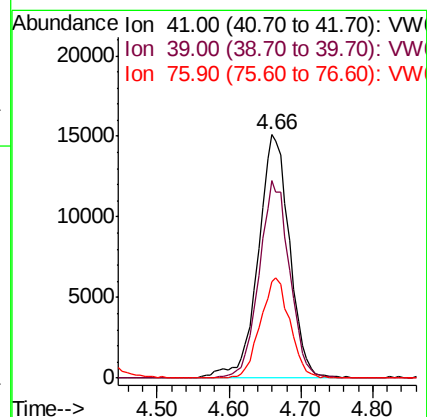
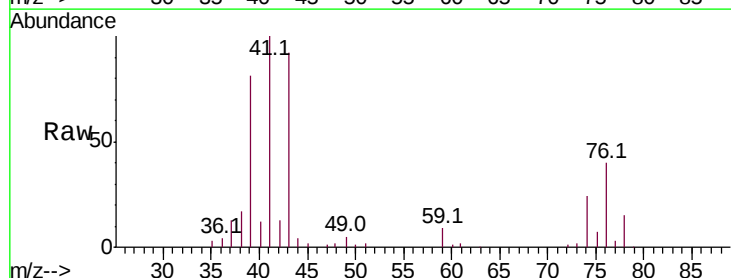
Tgt Ion: 41 Resp: 45620

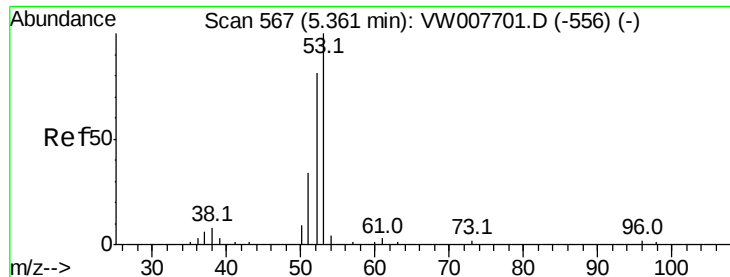
Ion Ratio Lower Upper

41 100

39 78.8 69.5 104.3

76 38.8 34.8 52.2





#15

Acrylonitrile

Concen: 268.615 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

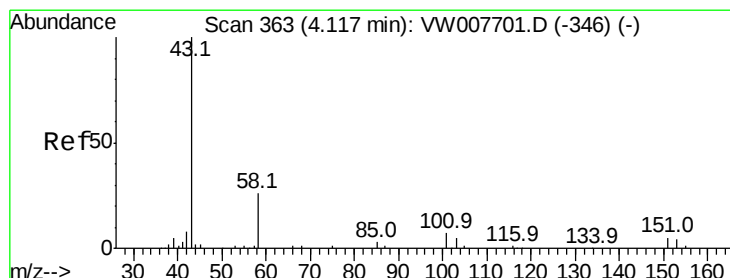
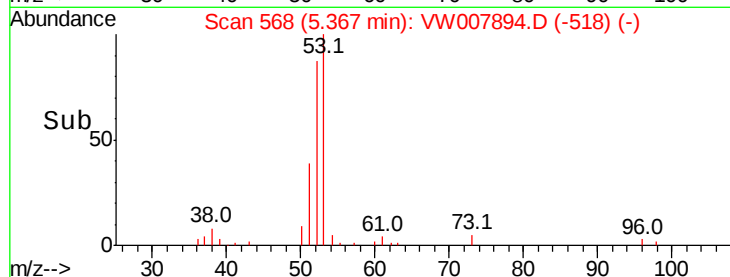
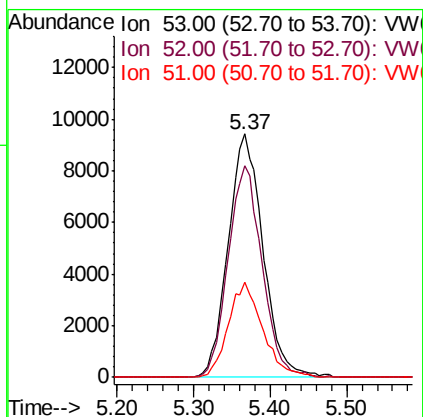
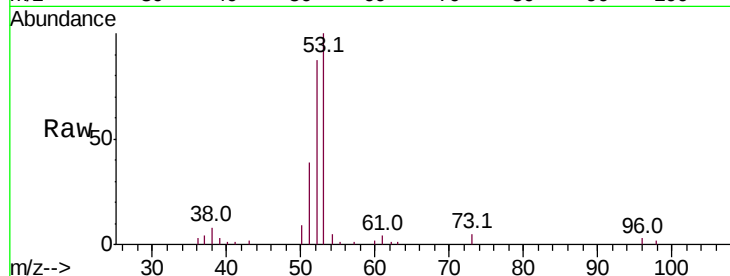
Tot Ion: 53 Resp: 29721

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 38.4 30.2 45.2



#16

Acetone

Concen: 201.445 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007894.D

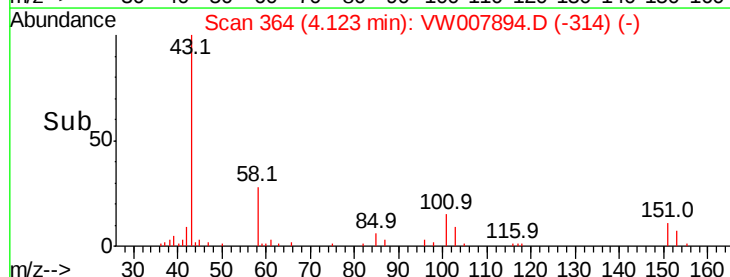
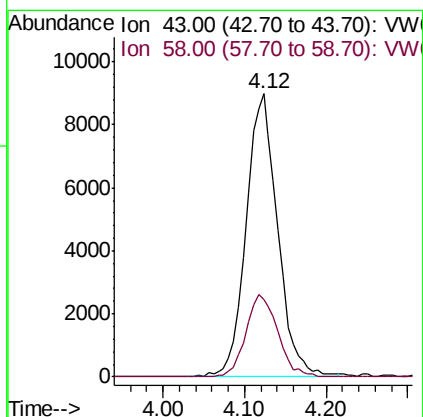
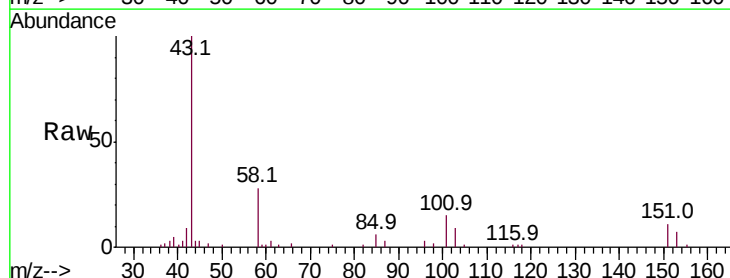
Acq: 24 Dec 2018 17:35

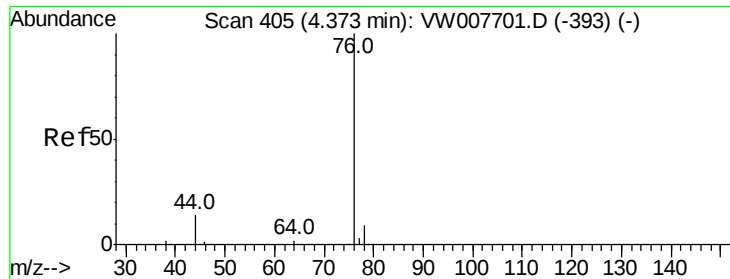
Tgt Ion: 43 Resp: 24202

Ion Ratio Lower Upper

43 100

58 27.5 21.2 31.8





#17

Carbon Disulfide

Concen: 44.885 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

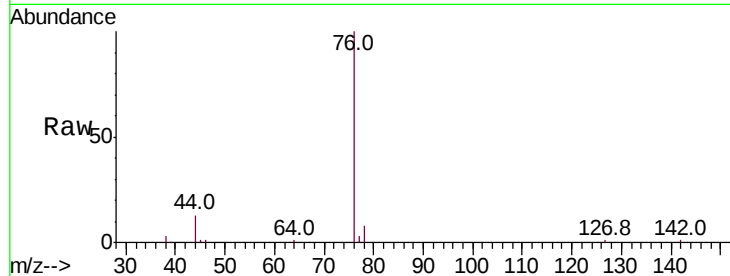
ClientSampled :

Tot Ion: 76 Resp: 80218

Ion Ratio Lower Upper

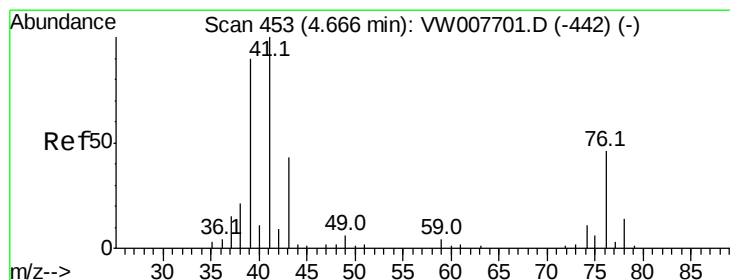
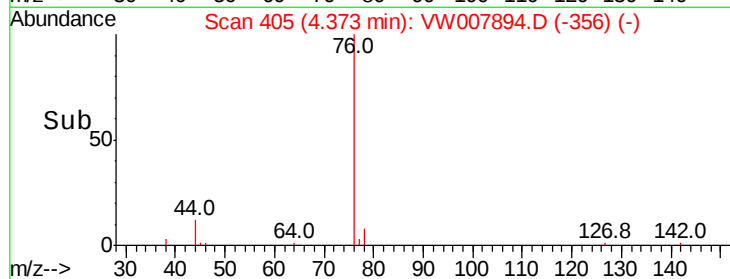
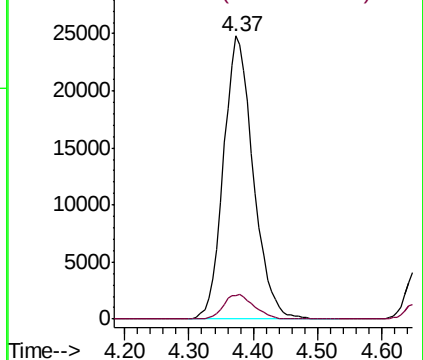
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 159.353 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007894.D

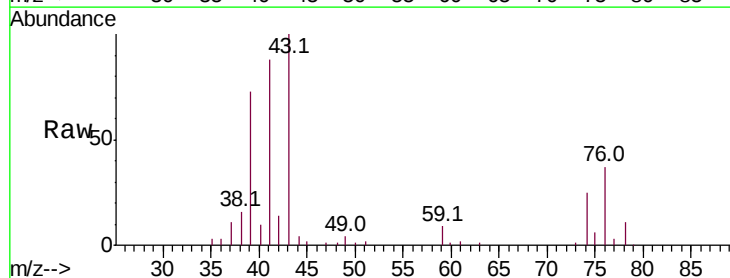
Acq: 24 Dec 2018 17:35

Tgt Ion: 43 Resp: 45531

Ion Ratio Lower Upper

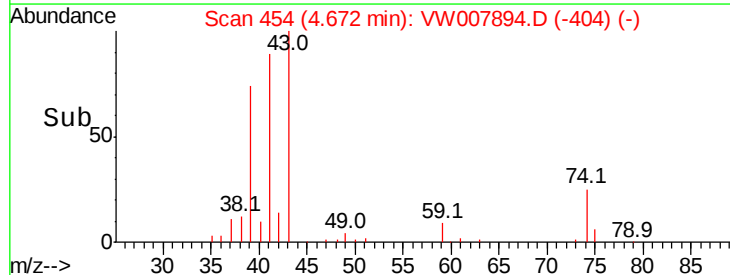
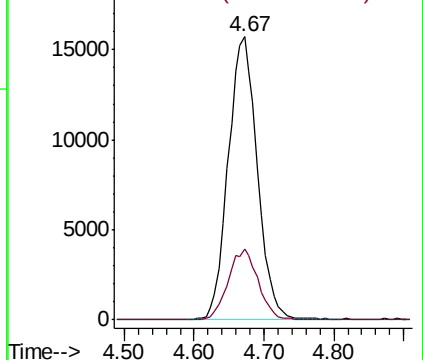
43 100

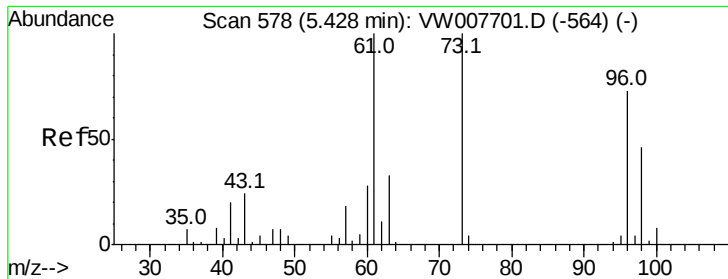
74 25.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

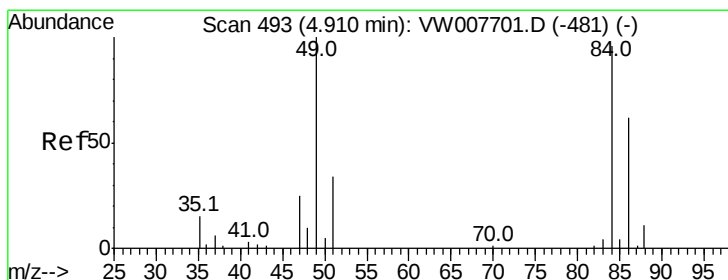
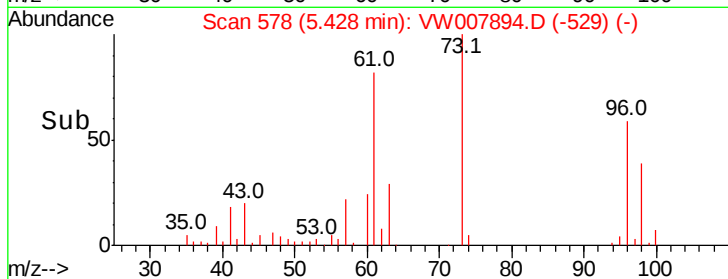
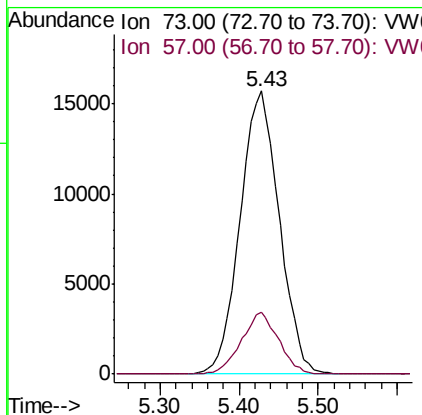
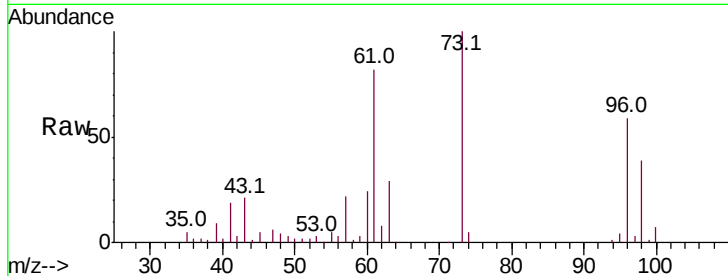




#19
Methvl tert-butvl Ether
Concen: 65.394 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

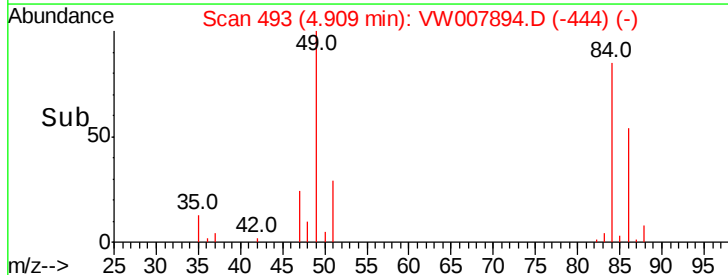
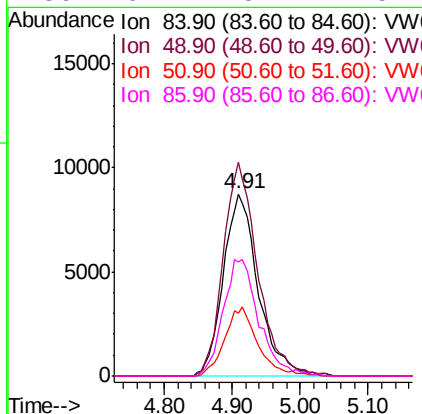
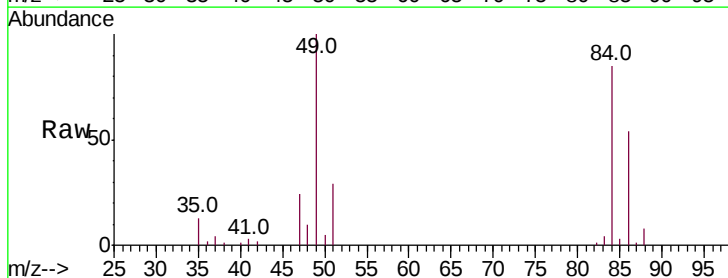
Instrument :
MSVOA_W
ClientSampleId :

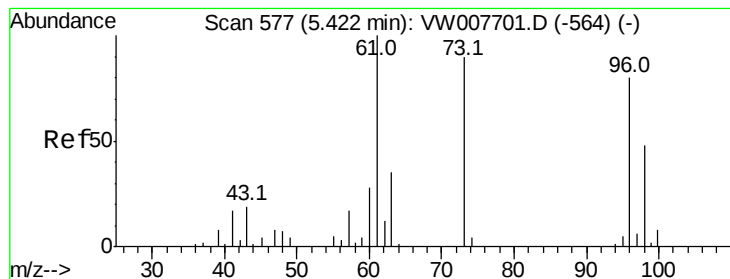
Tot Ion: 73 Resp: 54219
Ion Ratio Lower Upper
73 100
57 21.7 14.7 22.1



#20
Methylene Chloride
Concen: 52.216 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 84 Resp: 31205
Ion Ratio Lower Upper
84 100
49 117.2 83.7 125.5
51 34.5 28.2 42.2
86 62.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.333 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

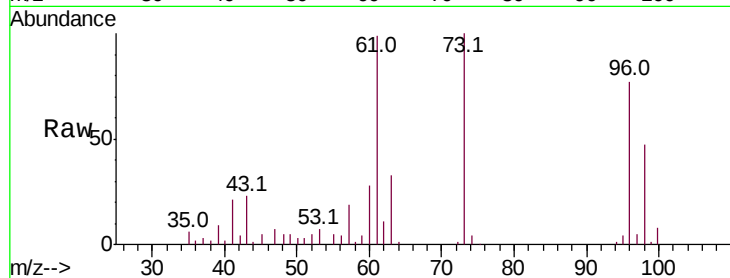
Tot Ion: 96 Resp: 31335

Ion Ratio Lower Upper

96 100

61 127.9 100.1 150.1

98 60.5 48.5 72.7

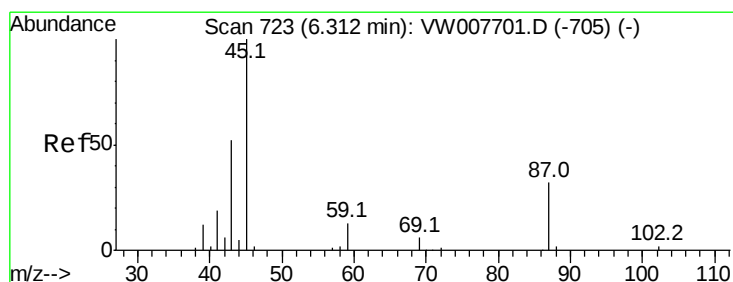
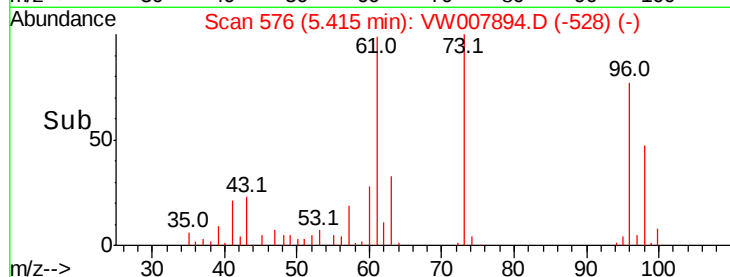
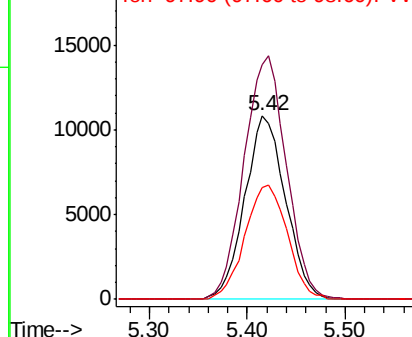


Abundance

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: 65.766 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Tgt Ion: 45 Resp: 93263

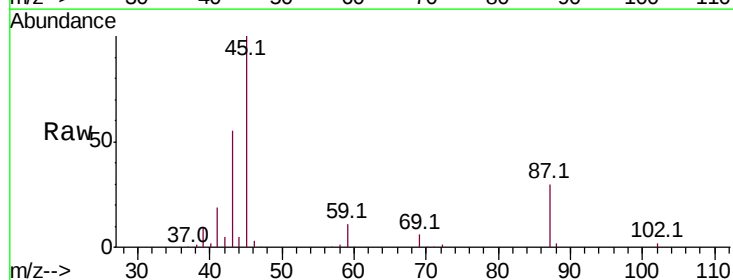
Ion Ratio Lower Upper

45 100

43 54.0 43.7 65.5

87 29.9 26.6 40.0

59 10.8 10.2 15.2



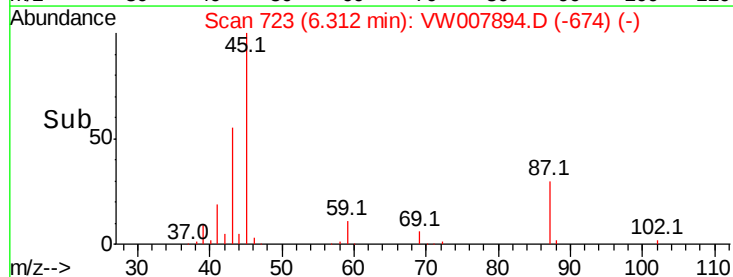
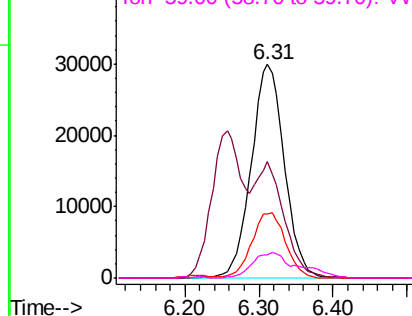
Abundance

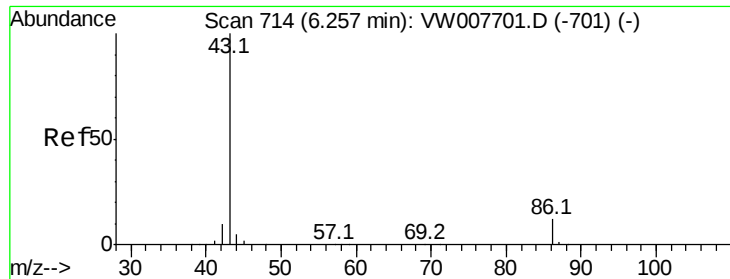
Ion 45.00 (44.70 to 45.70): VW

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: 71.299 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

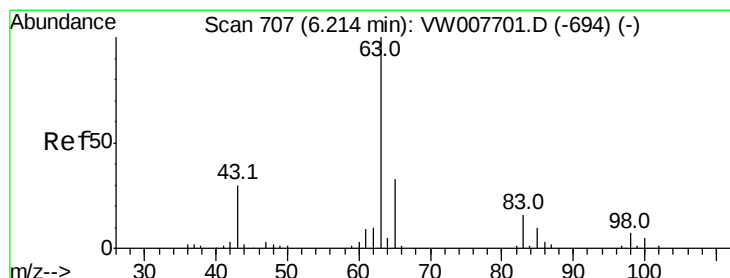
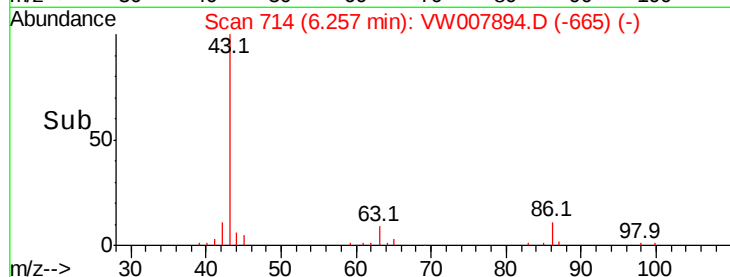
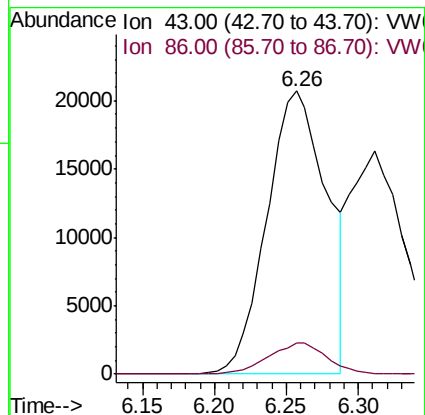
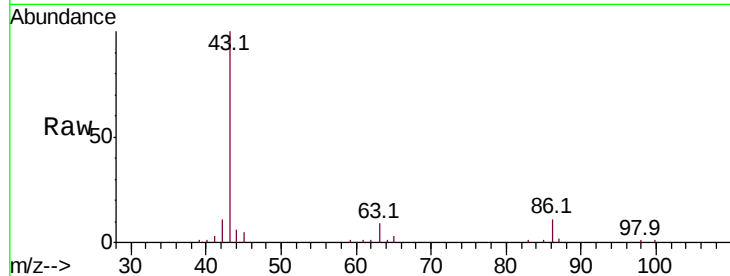
ClientSampleId :

Tot Ion: 43 Resp: 60072

Ion Ratio Lower Upper

43 100

86 11.0 9.6 14.4



#24

1,1-Dichloroethane

Concen: 54.764 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

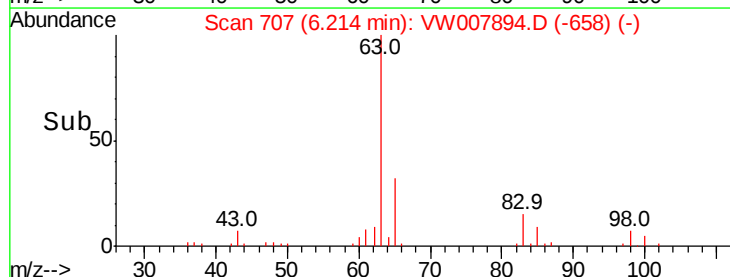
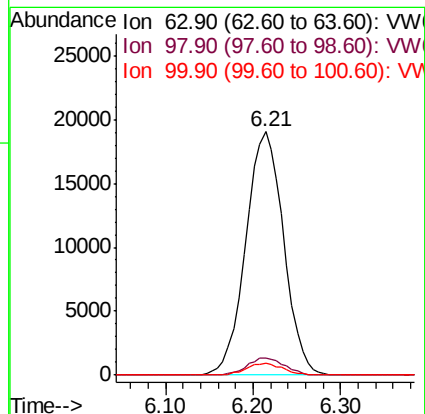
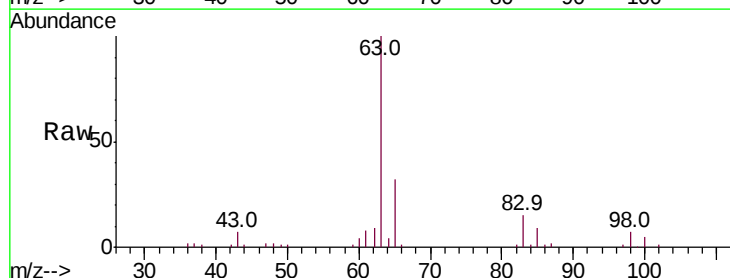
Tgt Ion: 63 Resp: 57132

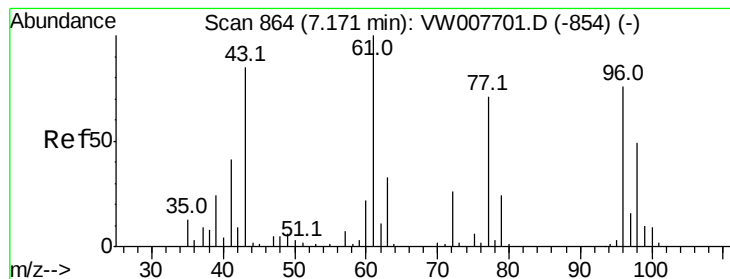
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 265.076 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

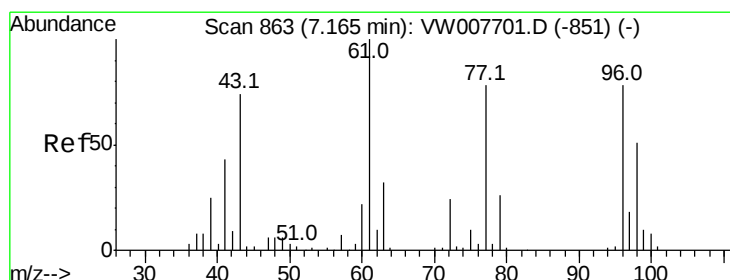
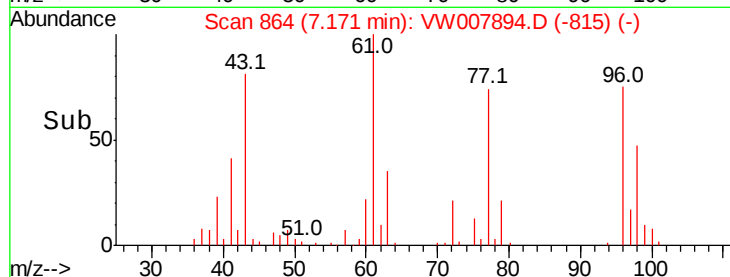
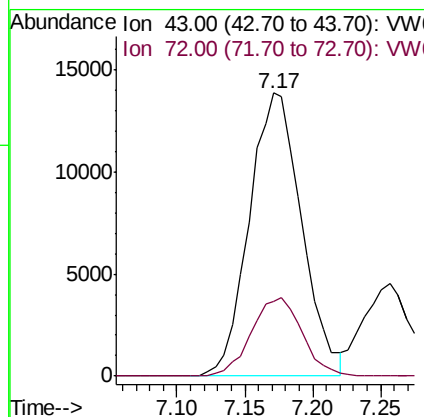
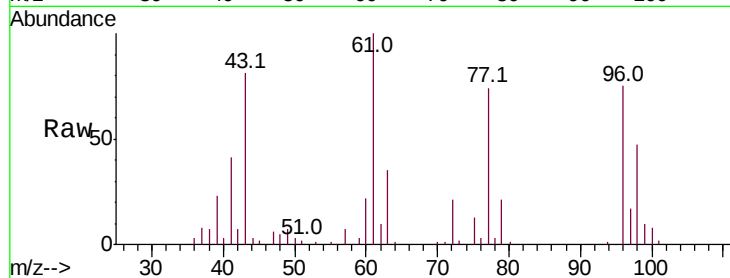
ClientSampleId :

Tot Ion: 43 Resp: 37302

Ion Ratio Lower Upper

43 100

72 26.4 24.5 36.7



#26

2,2-Dichloropropane

Concen: 51.033 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007894.D

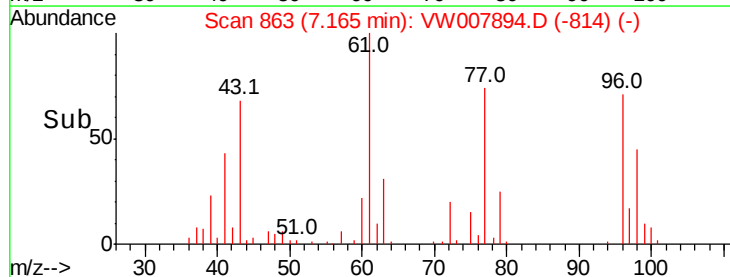
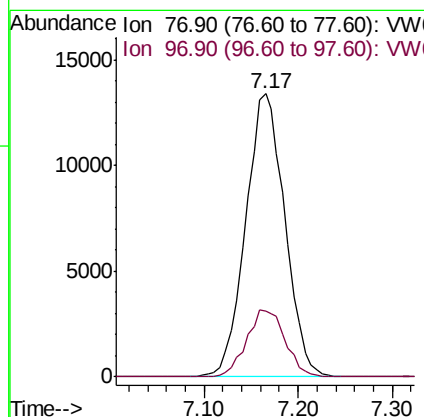
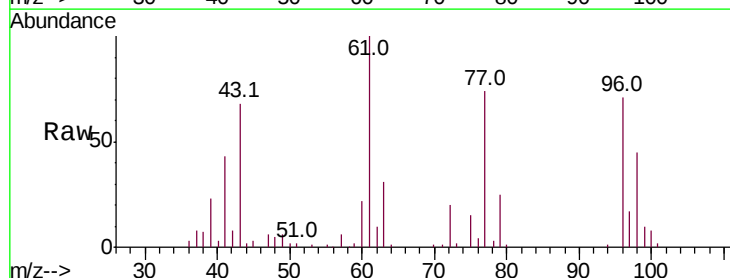
Acq: 24 Dec 2018 17:35

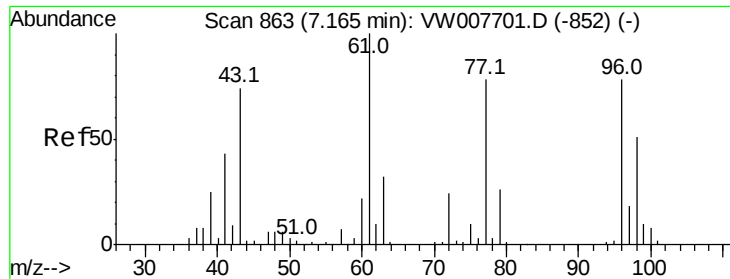
Tgt Ion: 77 Resp: 38959

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9



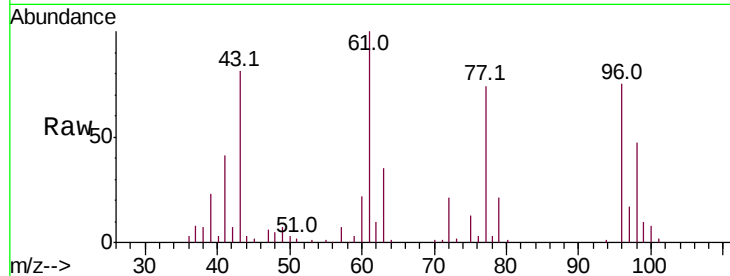


#27

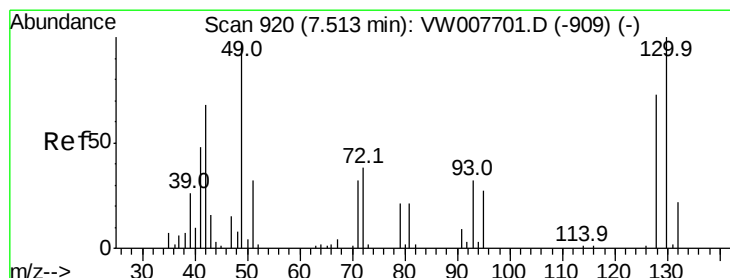
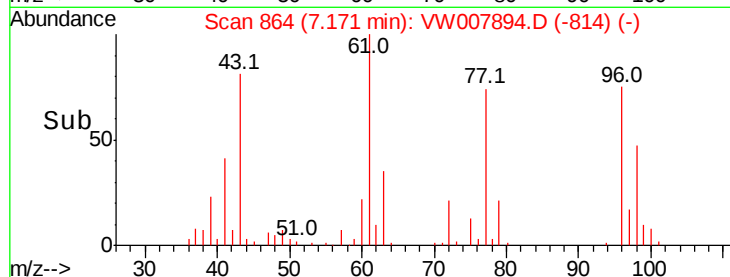
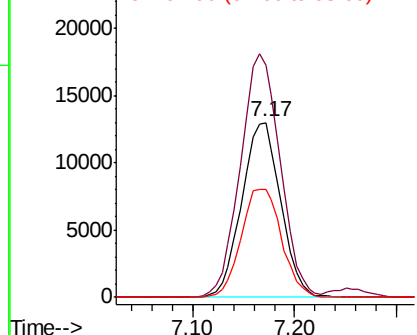
cis-1,2-Dichloroethene
Concen: 50.989 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 34505
Ion Ratio Lower Upper
96 100
61 141.8 0.0 271.6
98 63.9 0.0 131.2



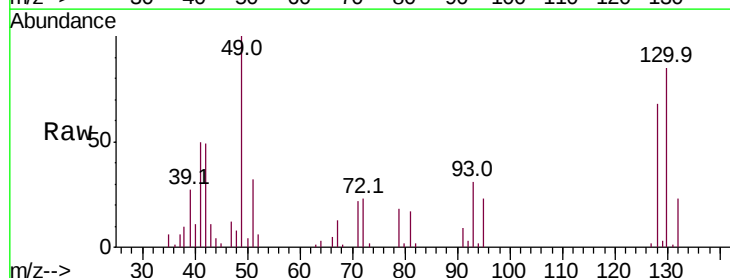
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



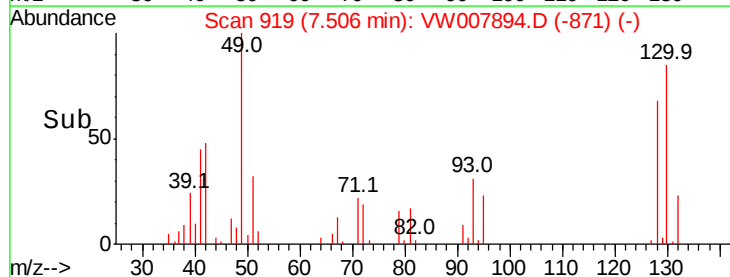
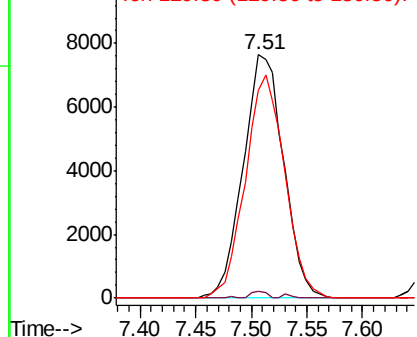
#28

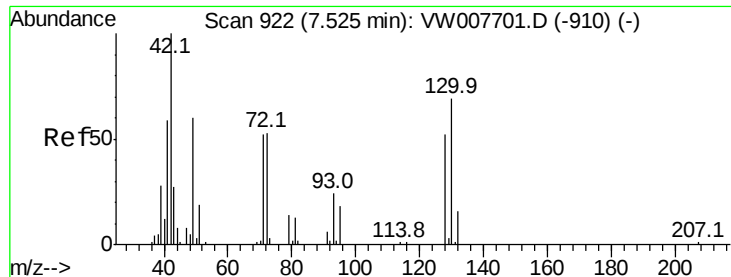
Bromochloromethane
Concen: 54.355 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 49 Resp: 19334
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.2
130 89.3 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

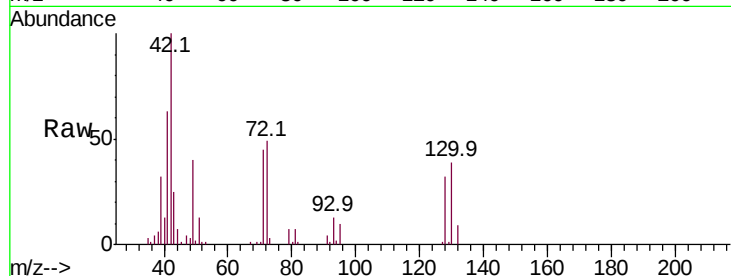




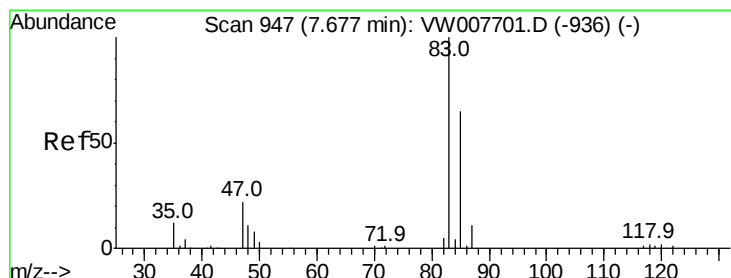
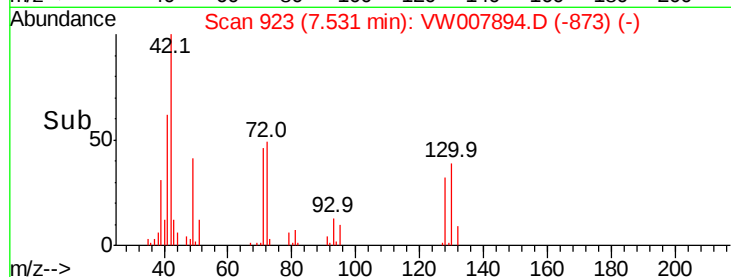
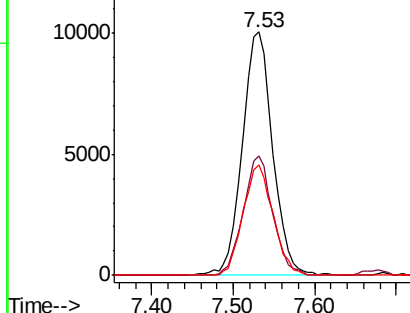
#29
Tetrahydrofuran
Concen: 309.370 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 25968
Ion Ratio Lower Upper
42 100
72 47.4 41.7 62.5
71 44.7 39.0 58.6

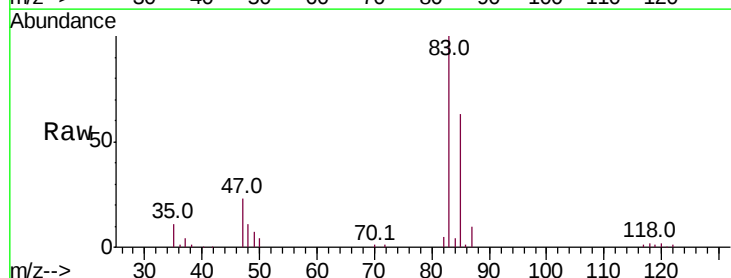


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

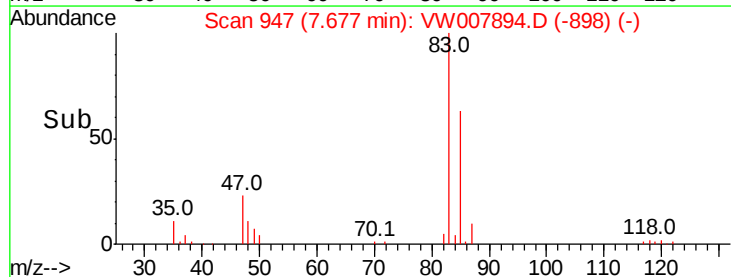
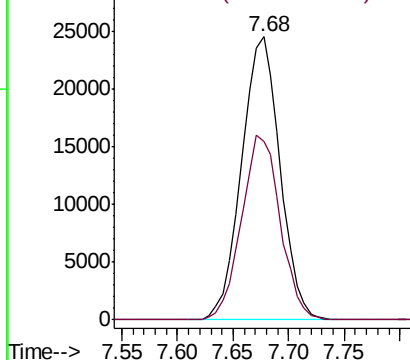


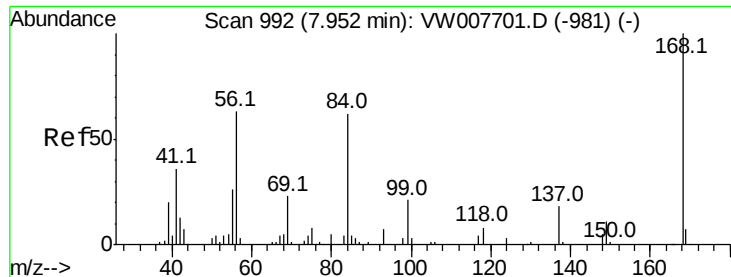
#30
Chloroform
Concen: 49.789 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 83 Resp: 58783
Ion Ratio Lower Upper
83 100
85 63.2 52.2 78.2



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

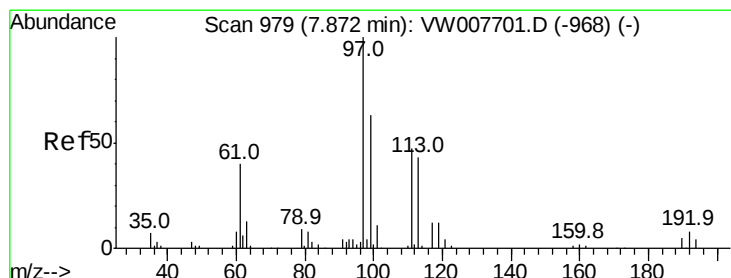
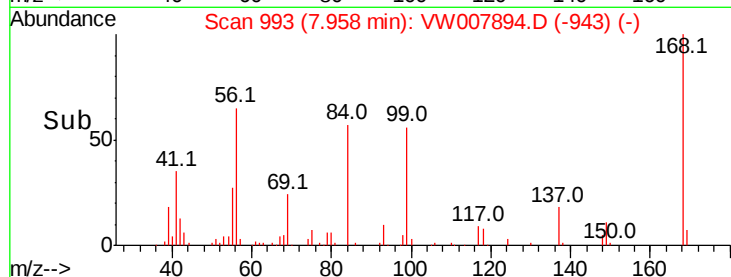
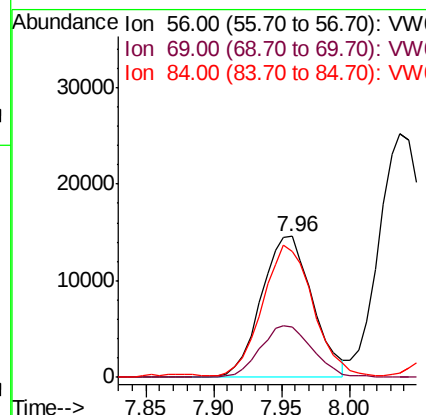
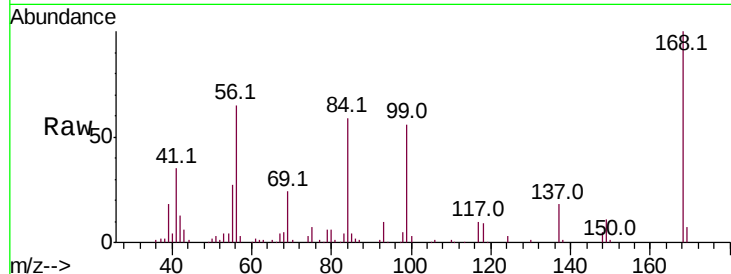




#31
Cyclohexane
Concen: 40.149 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

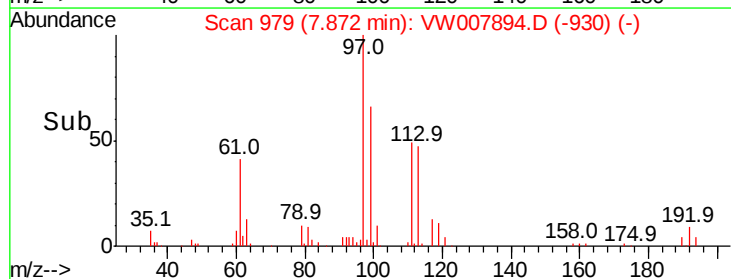
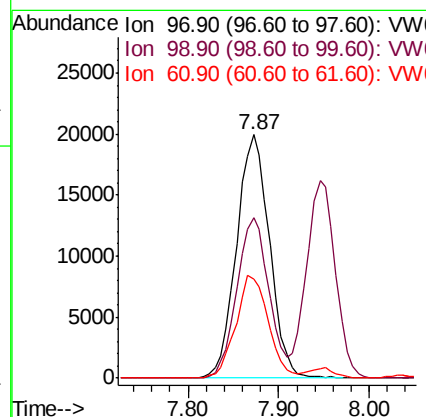
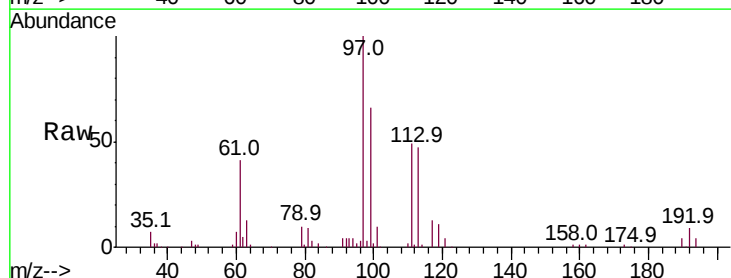
Instrument :
MSVOA_W
ClientSampled :

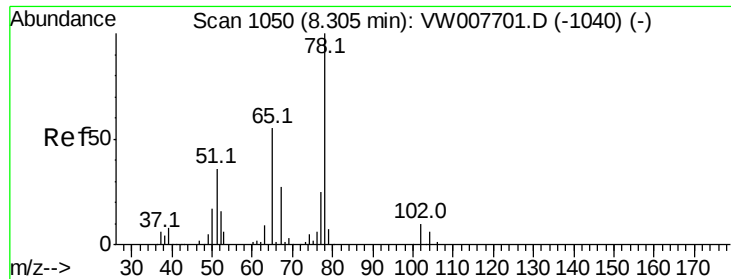
Tot Ion: 56 Resp: 38345
Ion Ratio Lower Upper
56 100
69 36.1 29.7 44.5
84 87.7 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 46.753 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 97 Resp: 50272
Ion Ratio Lower Upper
97 100
99 64.3 50.6 76.0
61 41.7 32.3 48.5

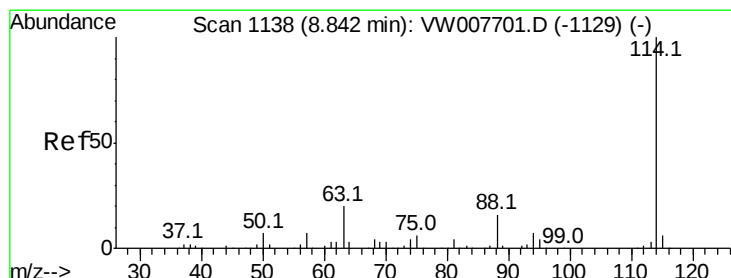
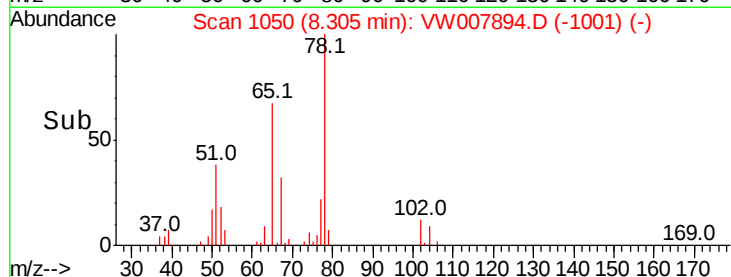
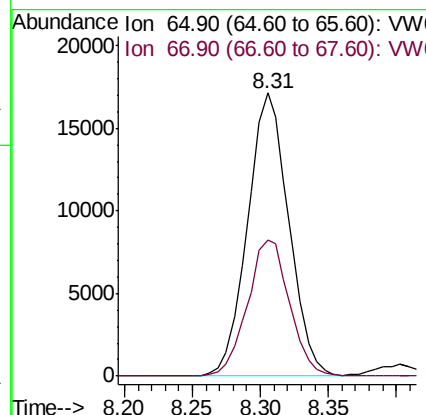
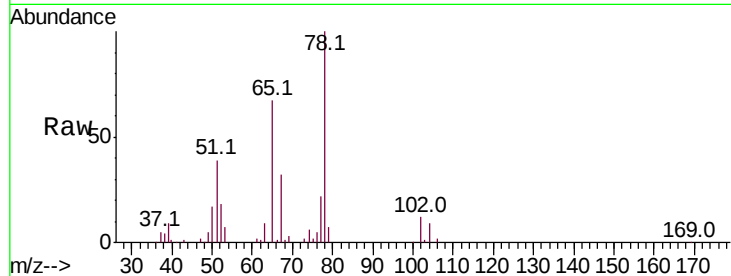




#33
 1,2-Dichloroethane-d4
 Concen: 56.671 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

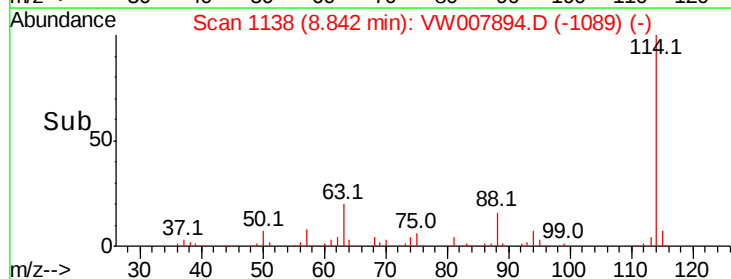
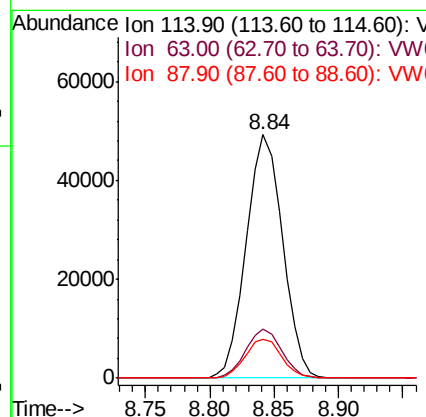
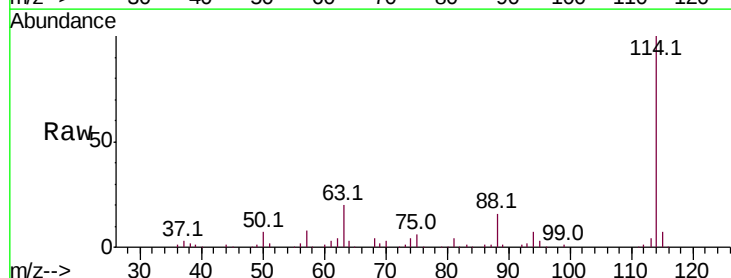
Instrument :
 MSVOA_W
 ClientSampleId :

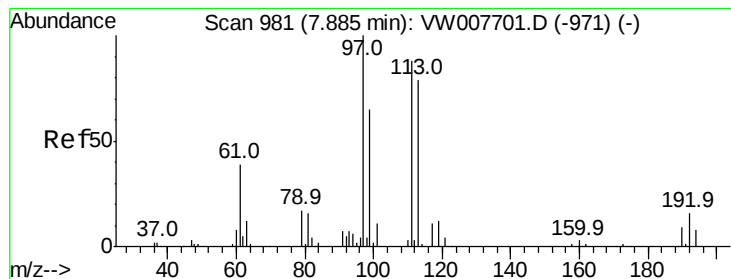
Tot Ion: 65 Resp: 36359
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion:114 Resp: 96614
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.953 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

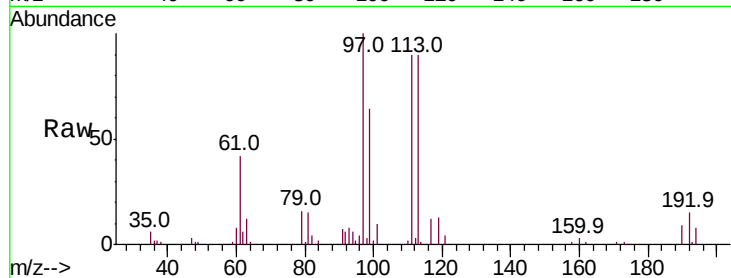
Tot Ion:113 Resp: 30621

Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

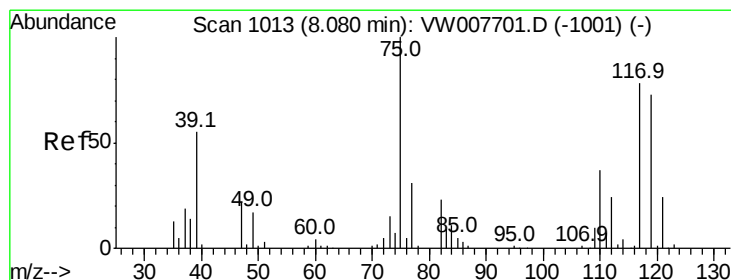
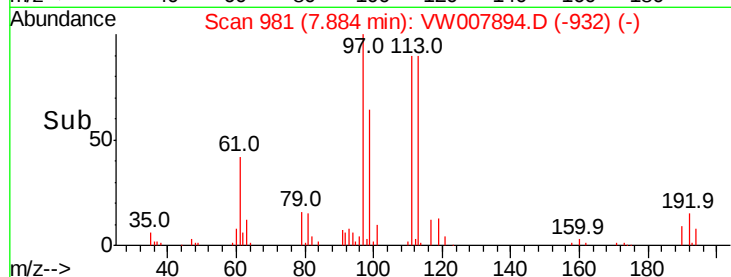
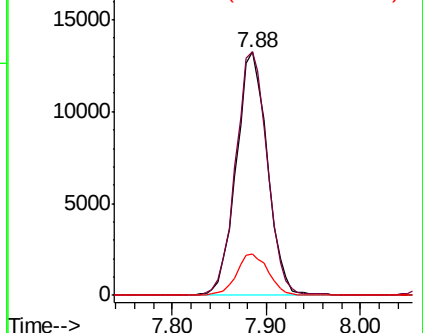
192 17.3 15.5 23.3



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: 42.989 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

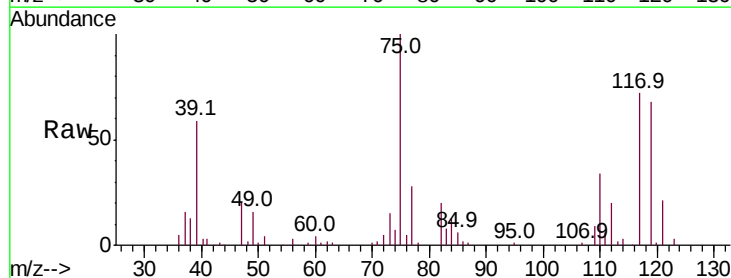
Tgt Ion: 75 Resp: 40087

Ion Ratio Lower Upper

75 100

110 35.1 18.6 55.8

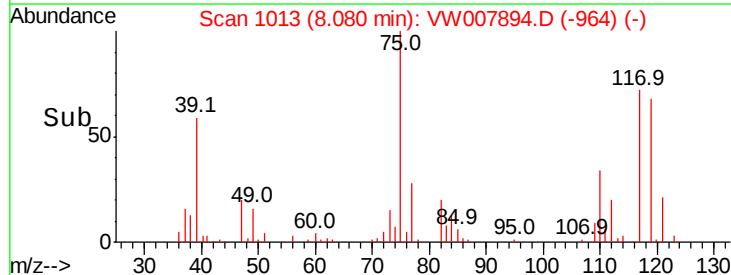
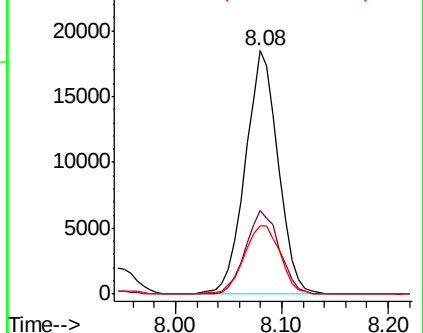
77 31.1 25.0 37.4

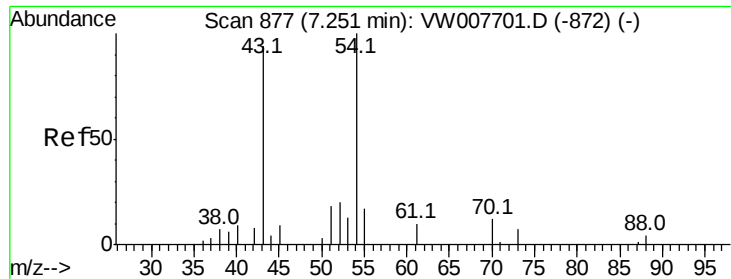


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

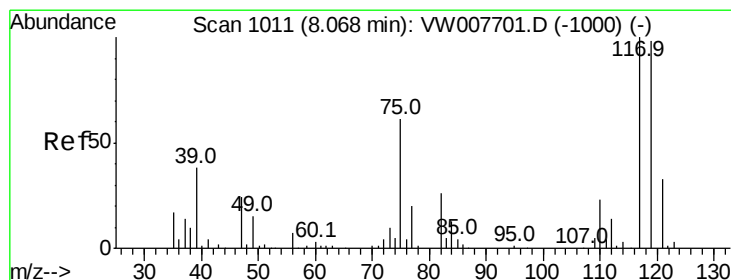
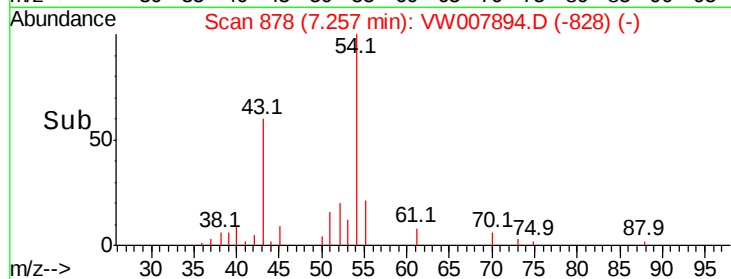
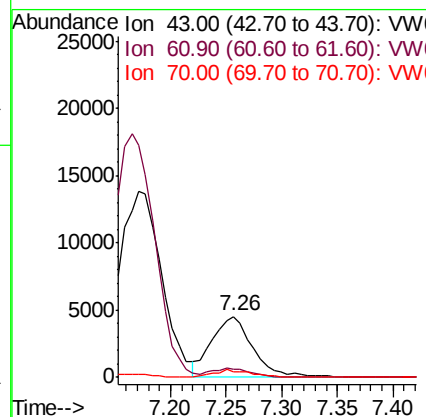
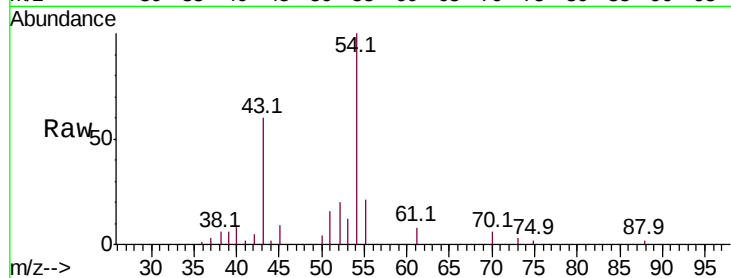




#37
Ethyl Acetate
Concen: 36.319 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

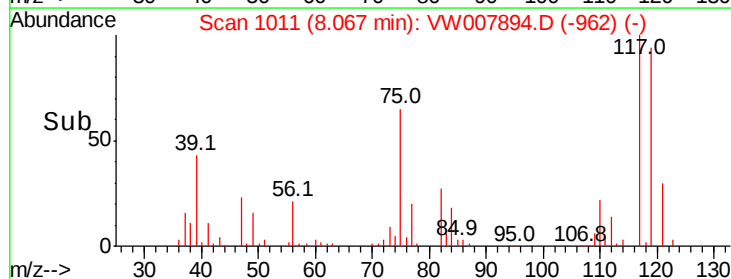
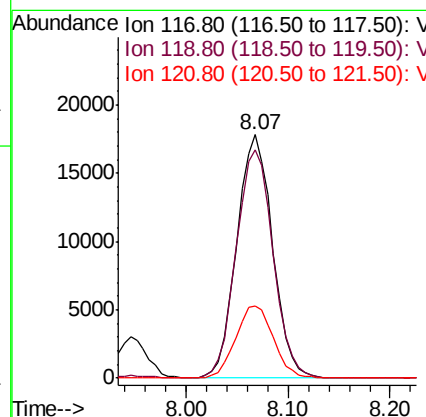
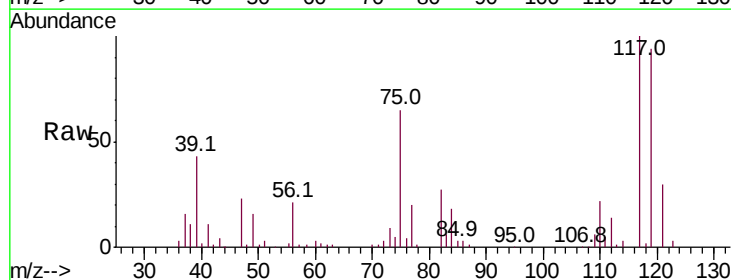
Instrument :
MSVOA_W
ClientSampled :

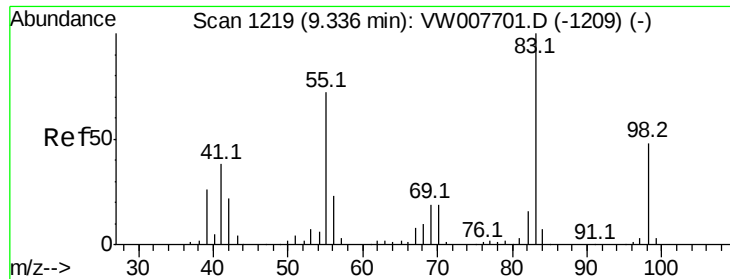
Tot Ion: 43 Resp: 11688
Ion Ratio Lower Upper
43 100
61 13.4 11.2 16.8
70 11.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 39.527 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 117 Resp: 43408
Ion Ratio Lower Upper
117 100
119 93.7 78.2 117.2
121 29.6 26.1 39.1

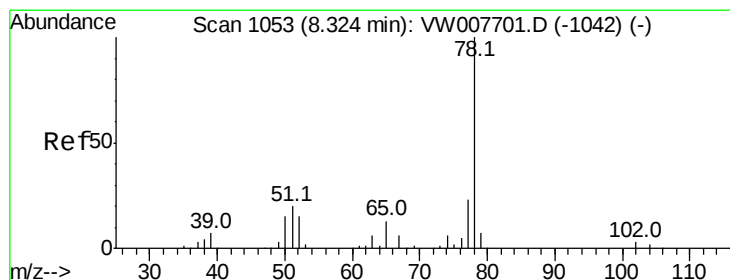
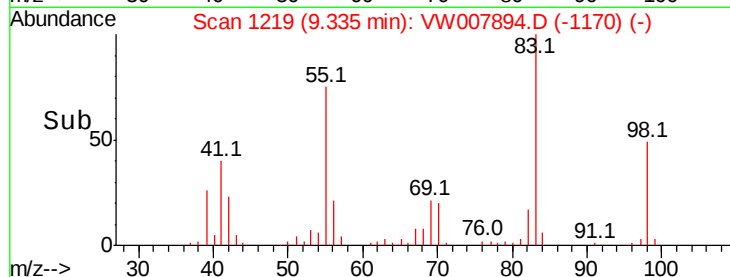
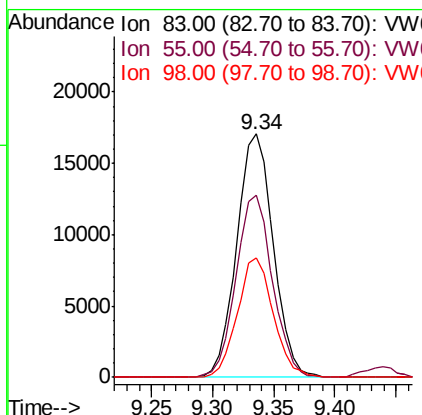
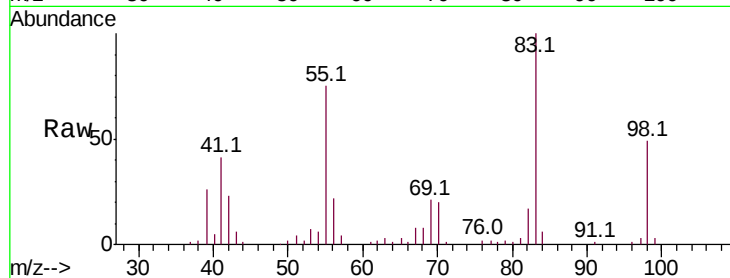




#39
Methvlcvclohexane
Concen: 30.548 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

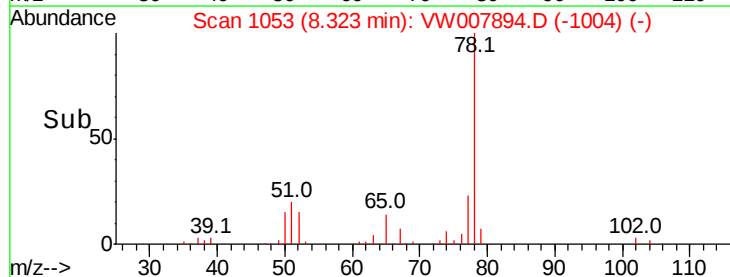
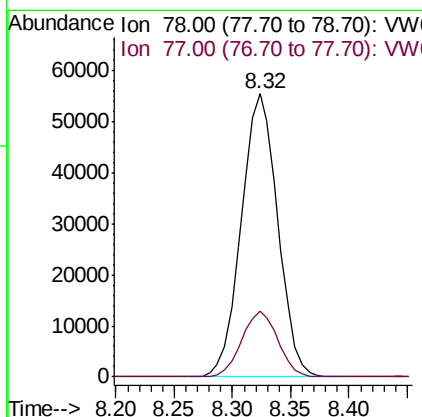
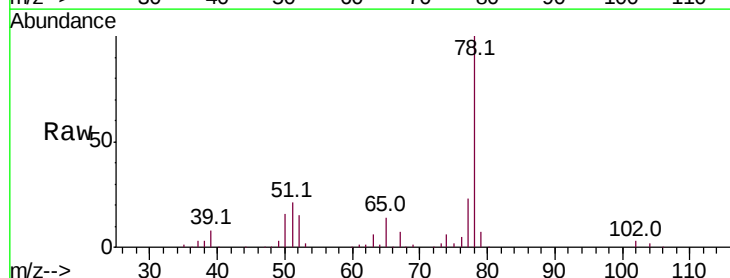
Instrument :
MSVOA_W
ClientSampleId :

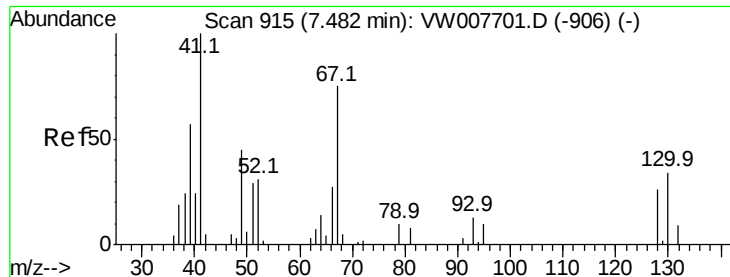
Tot Ion: 83 Resp: 35397
Ion Ratio Lower Upper
83 100
55 74.6 57.2 85.8
98 49.2 38.6 58.0



#40
Benzene
Concen: 48.671 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 78 Resp: 121111
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

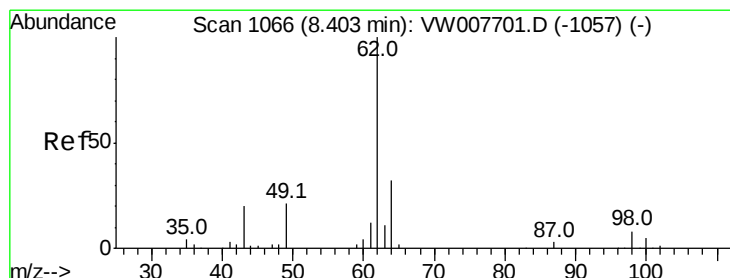
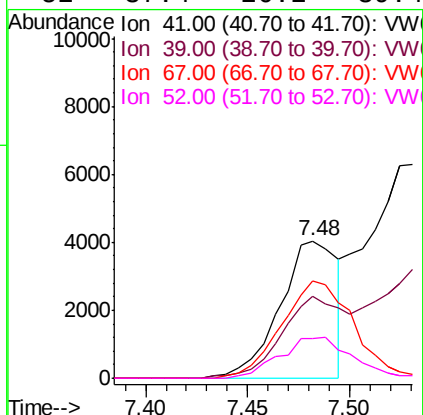
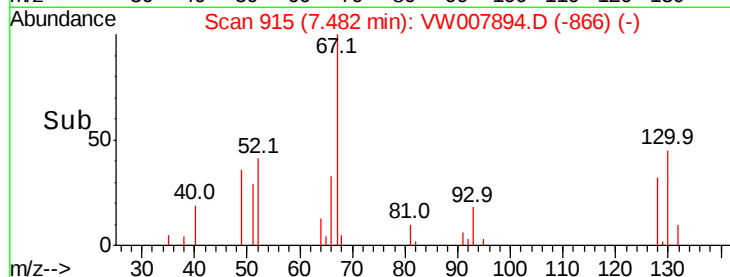
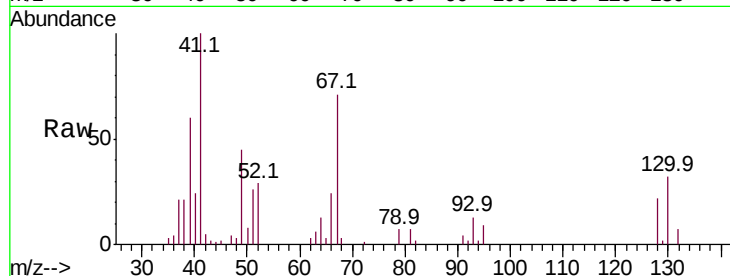




#41
Methacrylonitrile
Concen: 43.598 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

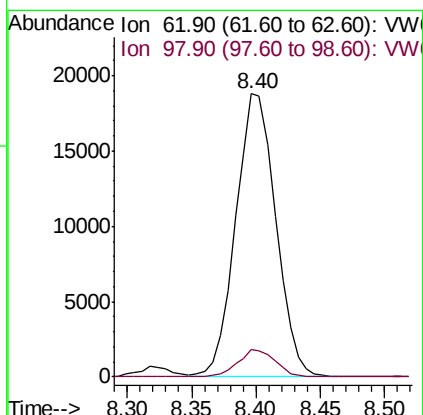
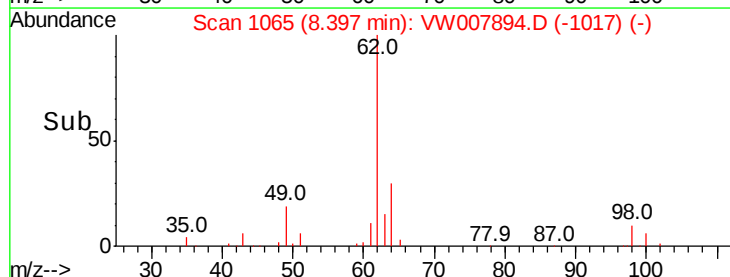
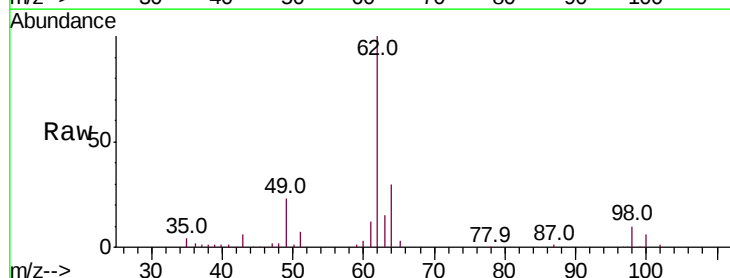
Instrument :
MSVOA_W
ClientSampled :

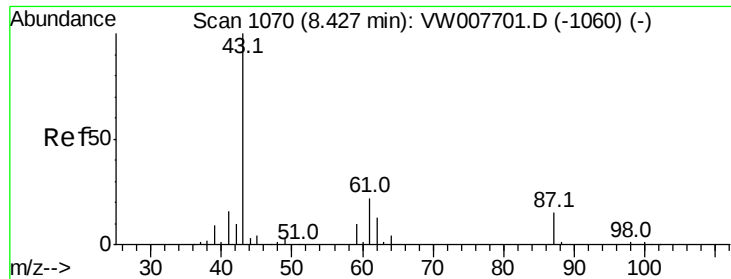
Tot Ion: 41 Resp: 7966
Ion Ratio Lower Upper
41 100
39 66.4 54.2 81.4
67 88.3 65.7 98.5
52 37.4 26.2 39.4



#42
1,2-Dichloroethane
Concen: 48.615 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 62 Resp: 40540
Ion Ratio Lower Upper
62 100
98 8.9 0.0 16.6





#43

Isopropyl Acetate

Concen: 42.173 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

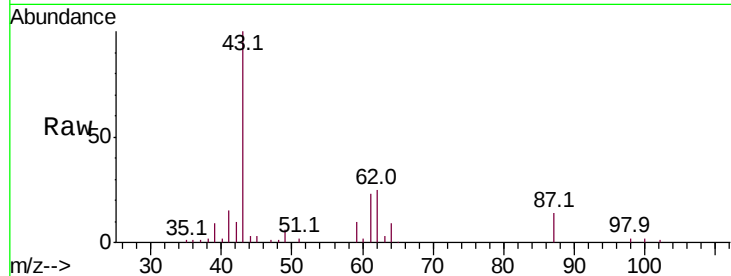
Tot Ion: 43 Resp: 27191

Ion Ratio Lower Upper

43 100

61 34.7 26.3 39.5

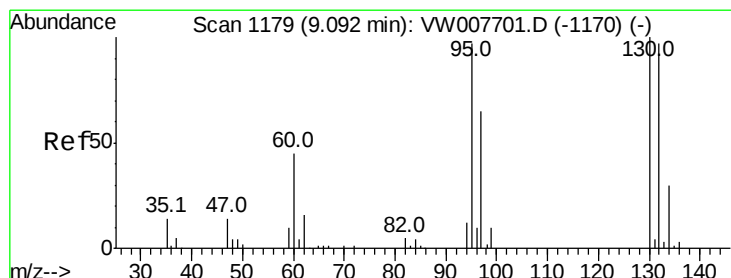
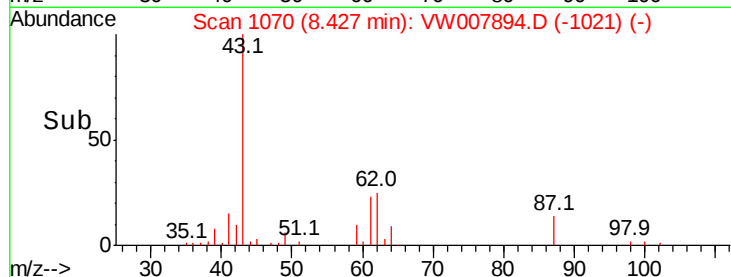
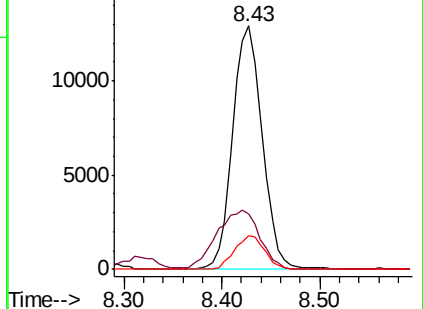
87 14.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 41.295 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007894.D

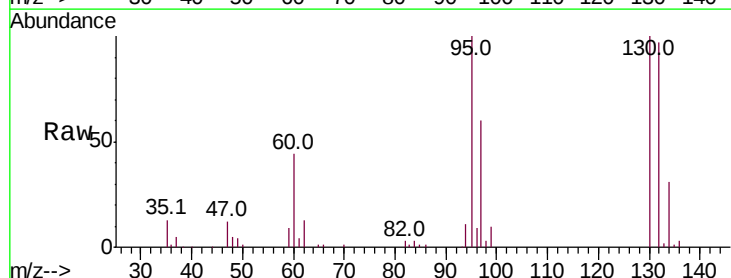
Acq: 24 Dec 2018 17:35

Tgt Ion:130 Resp: 31075

Ion Ratio Lower Upper

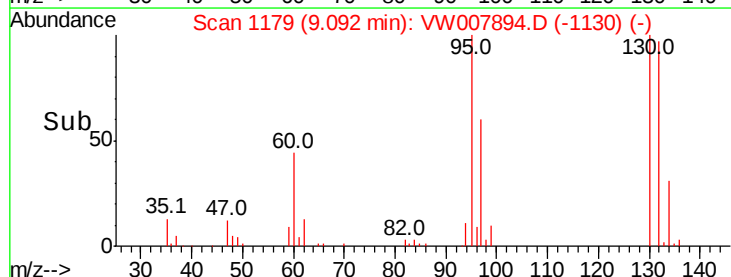
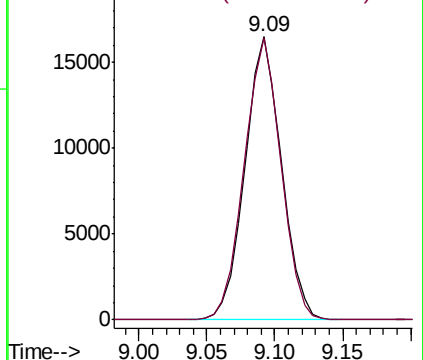
130 100

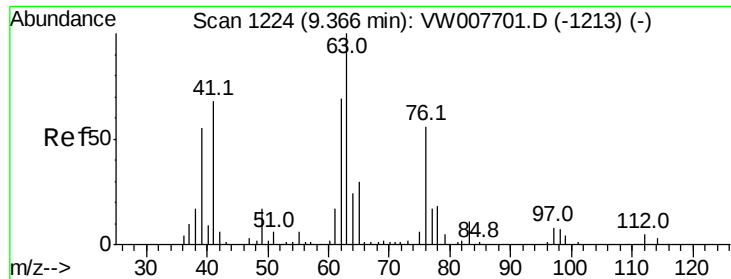
95 99.8 0.0 194.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

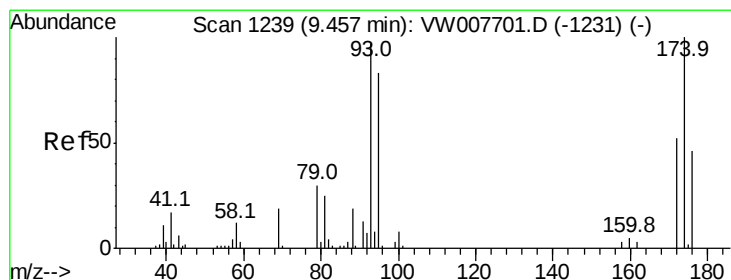
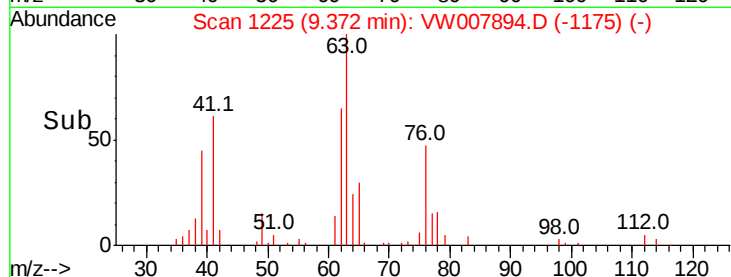
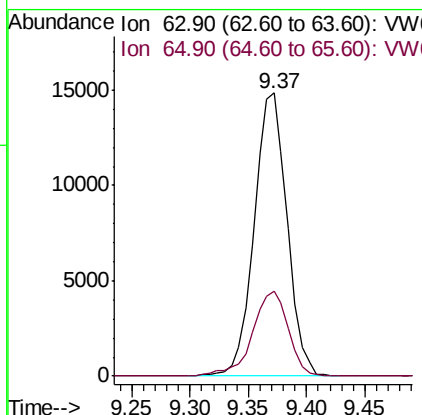
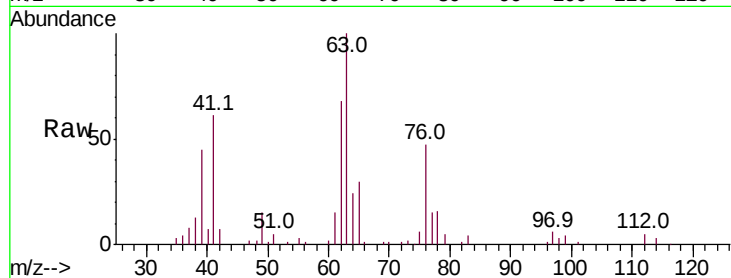




#45
 1,2-Dichloropropane
 Concen: 52.965 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

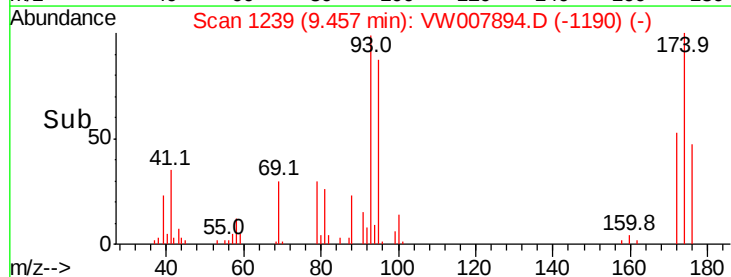
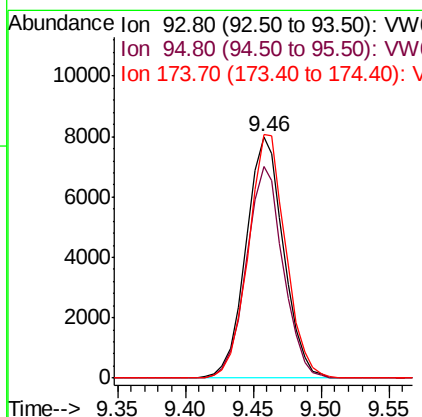
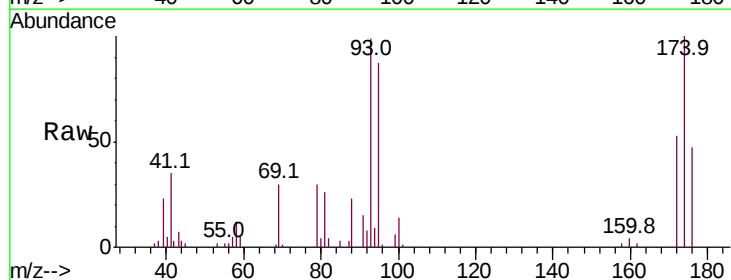
Instrument :
 MSVOA_W
 ClientSampleId :

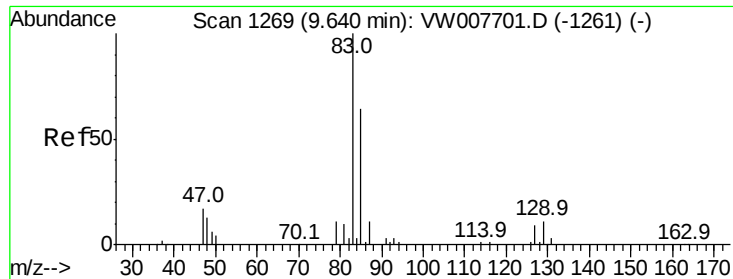
Tot Ion: 63 Resp: 29244
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.8



#46
 Dibromomethane
 Concen: 45.324 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion: 93 Resp: 15405
 Ion Ratio Lower Upper
 93 100
 95 86.0 67.5 101.3
 174 100.3 83.9 125.9





#47

Bromodichloromethane

Concen: 44.429 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

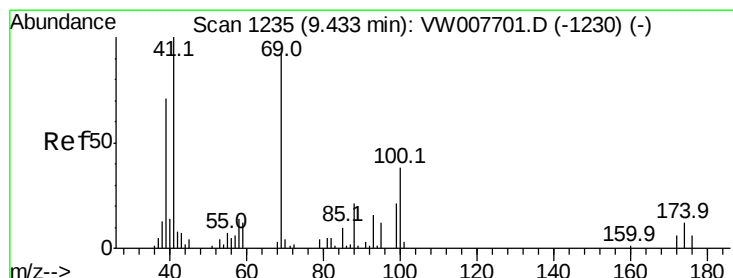
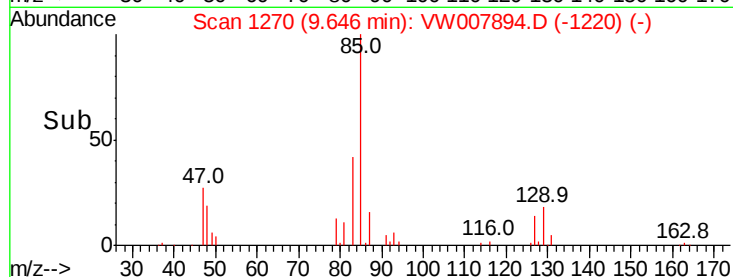
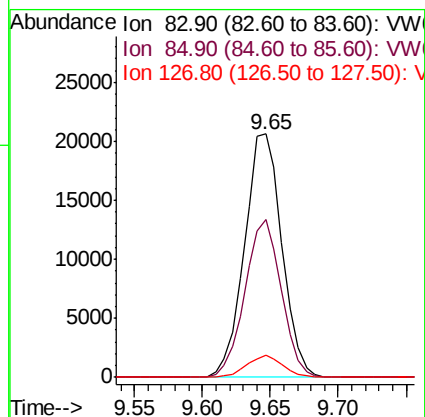
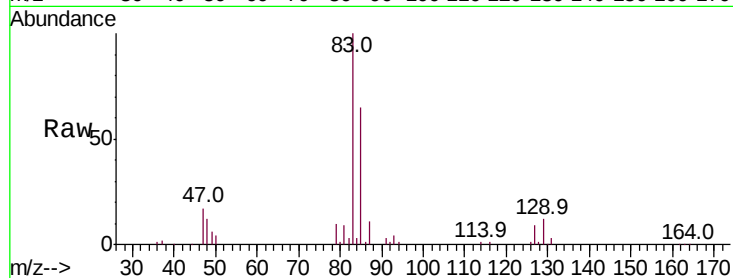
Tot Ion: 83 Resp: 39699

Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.0

127 9.2 7.5 11.3



#48

Methyl methacrylate

Concen: 67.200 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

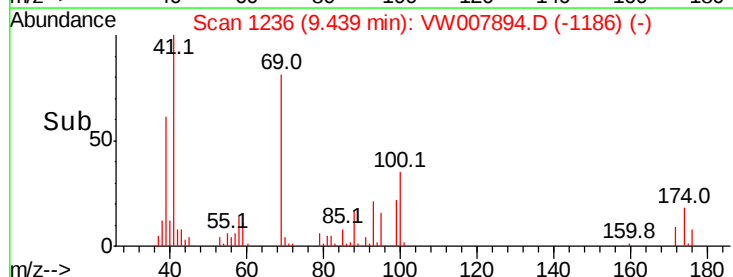
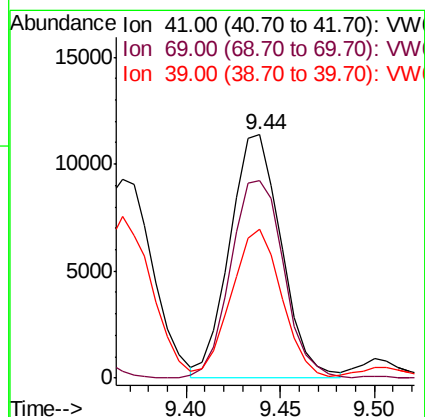
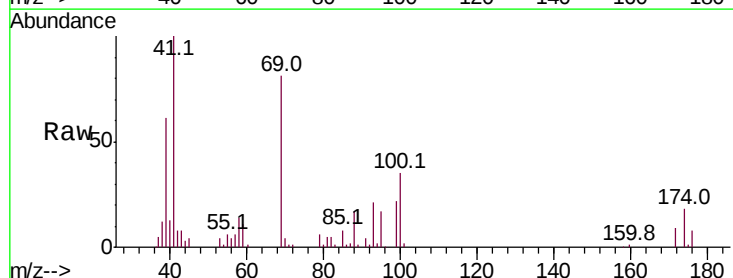
Tgt Ion: 41 Resp: 21627

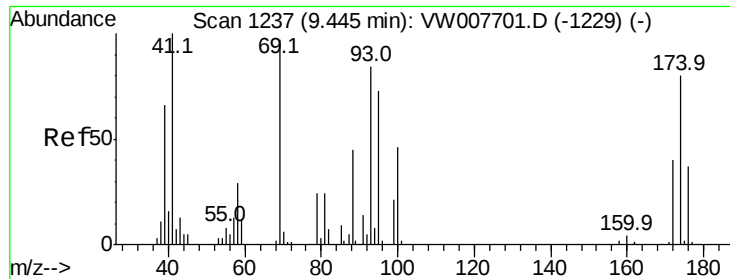
Ion Ratio Lower Upper

41 100

69 83.1 74.2 111.2

39 59.8 53.9 80.9





#49

1,4-Dioxane

Concen: 931.022 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

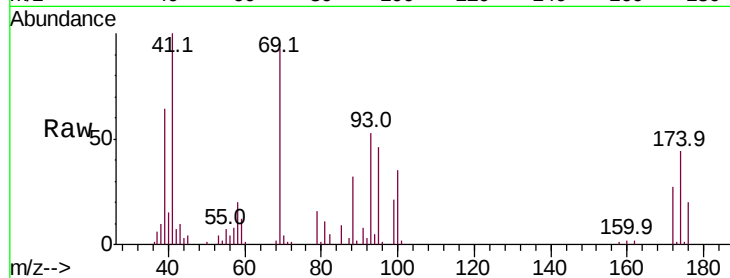
Tot Ion: 88 Resp: 5017

Ion Ratio Lower Upper

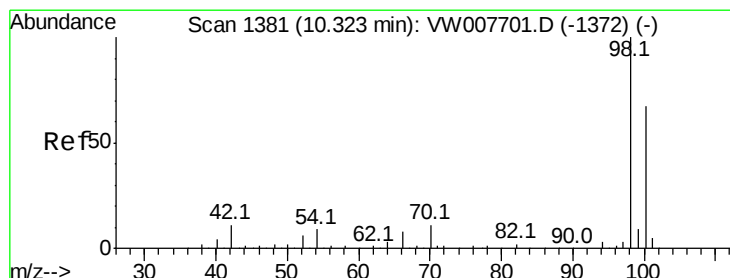
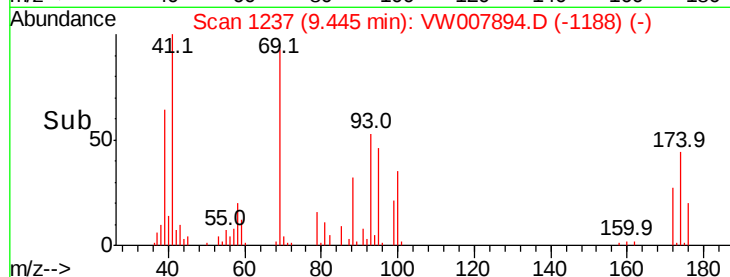
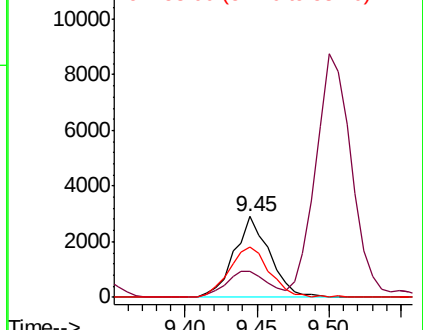
88 100

43 38.6 25.6 38.4#

58 69.3 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: 43.133 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007894.D

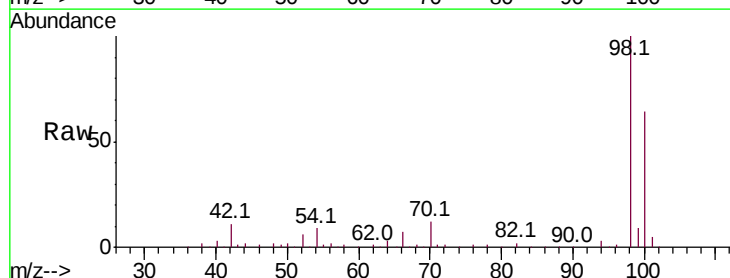
Acq: 24 Dec 2018 17:35

Tgt Ion: 98 Resp: 95838

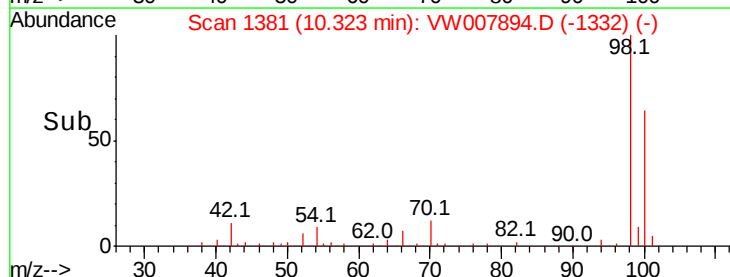
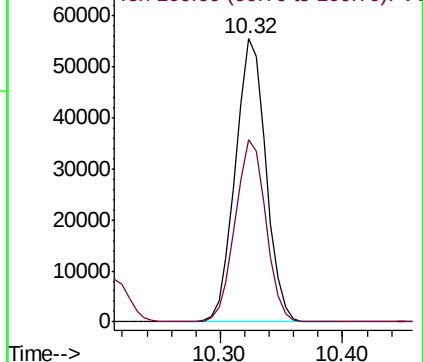
Ion Ratio Lower Upper

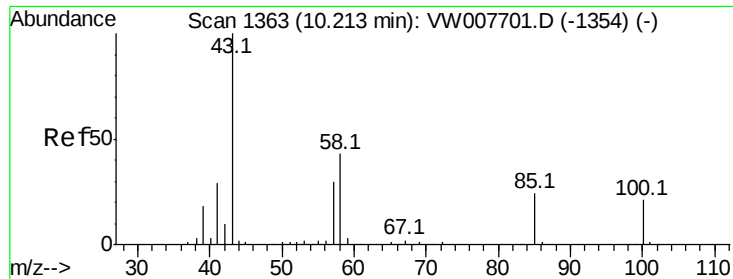
98 100

100 64.6 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: 278.304 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

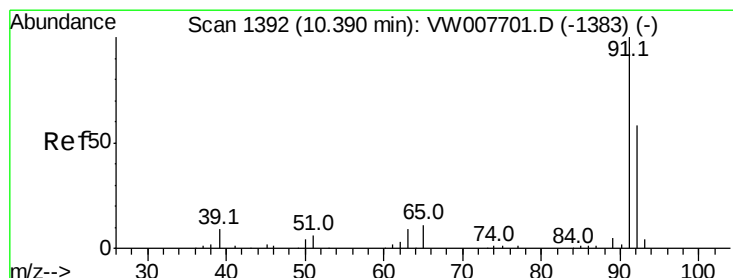
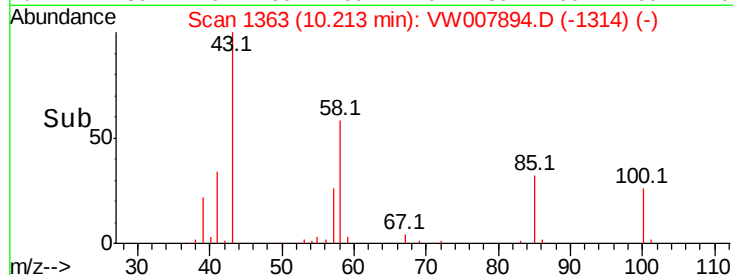
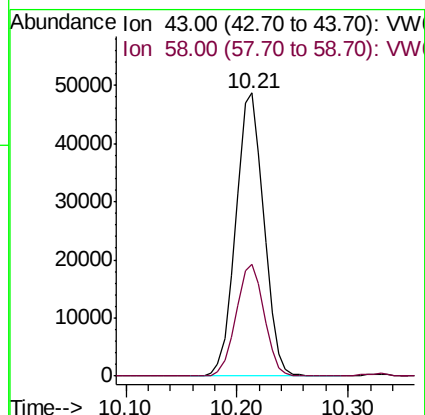
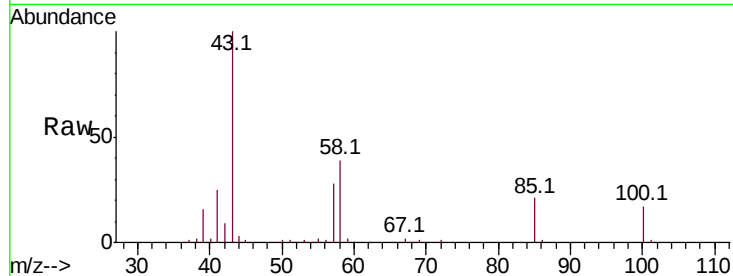
ClientSampled :

Tot Ion: 43 Resp: 84801

Ion Ratio Lower Upper

43 100

58 39.5 33.2 49.8



#52

Toluene

Concen: 42.182 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007894.D

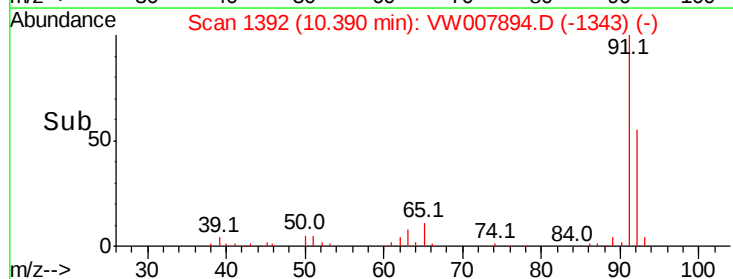
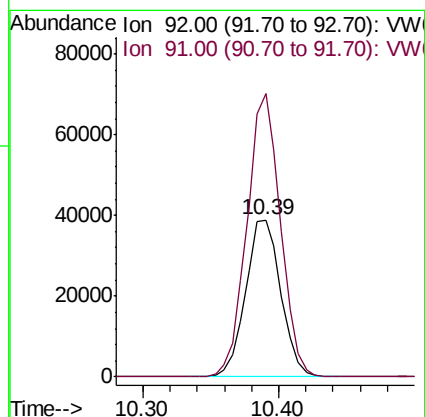
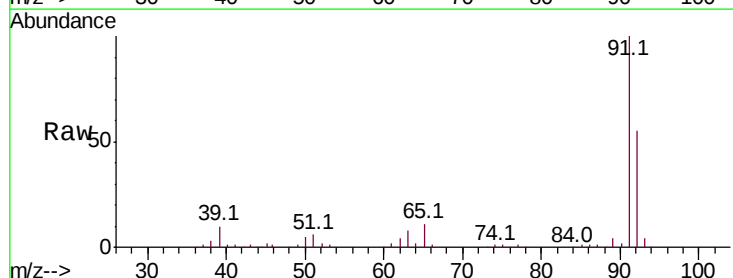
Acq: 24 Dec 2018 17:35

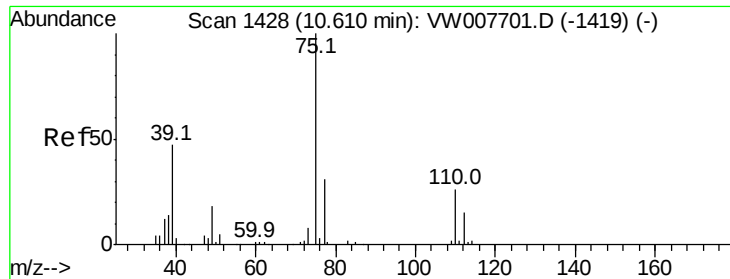
Tgt Ion: 92 Resp: 70423

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 43.725 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

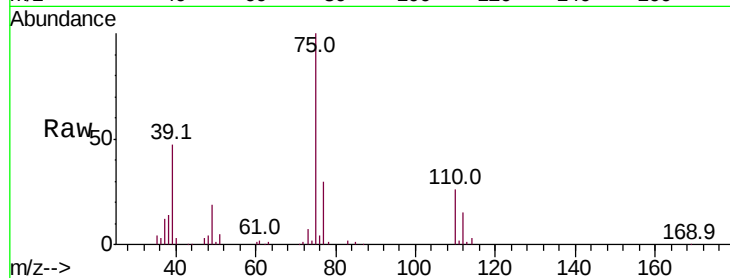
ClientSampleId :

Tot Ion: 75 Resp: 38861

Ion Ratio Lower Upper

75 100

77 30.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

25000

20000

15000

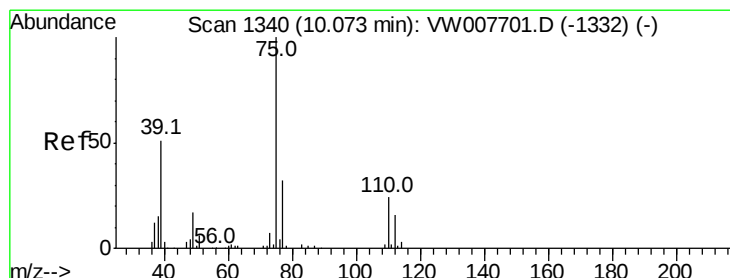
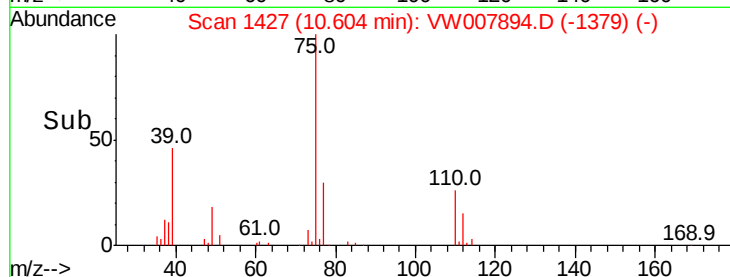
10000

5000

0

Time-->

10.55 10.60 10.65



#54

cis-1,3-Dichloropropene

Concen: 45.426 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

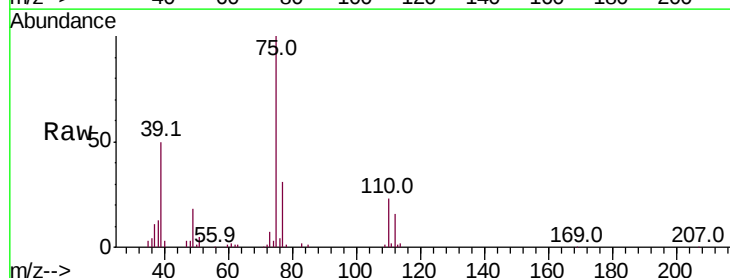
Tgt Ion: 75 Resp: 44595

Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 50.0 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

30000

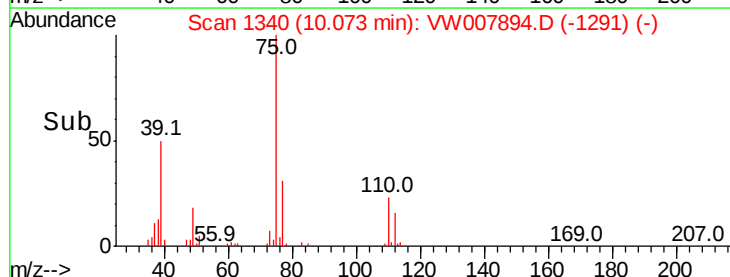
20000

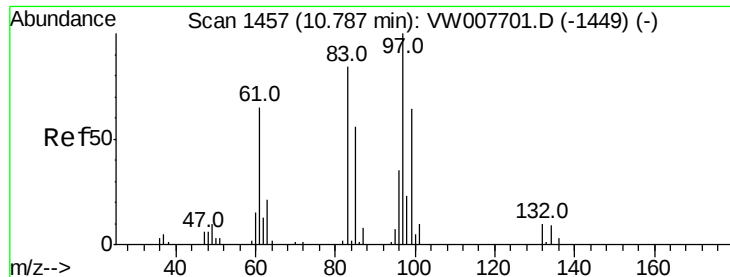
10000

0

Time-->

10.00 10.05 10.10 10.15





#55

1,1,2-Trichloroethane

Concen: 45.288 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

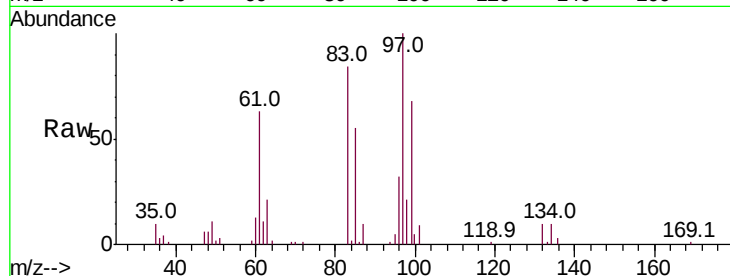
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 21220

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.5	101.3
85	55.5	44.8	67.2
99	68.0	51.0	76.4



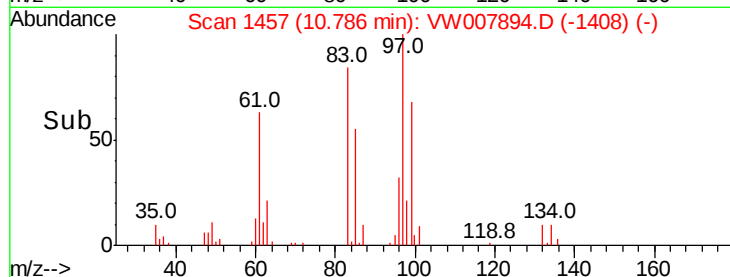
Abundance

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



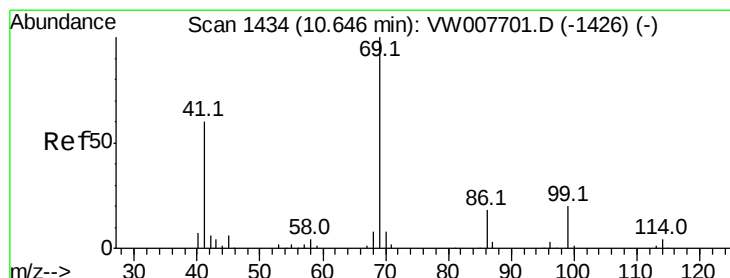
Time-->

10.79

10.75

10.80

10.85



#56

Ethyl methacrylate

Concen: 31.421 ug/l

RT: 10.65 min Scan# 1434

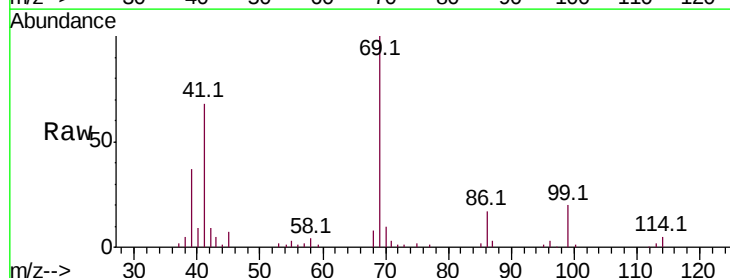
Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Tgt Ion: 69 Resp: 17395

Ion	Ratio	Lower	Upper
69	100		
41	67.2	48.9	73.3
39	33.8	31.3	46.9

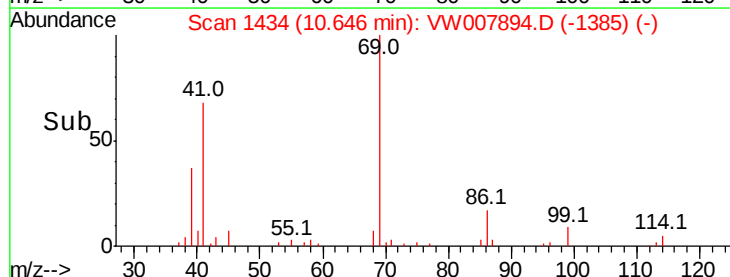


Abundance

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

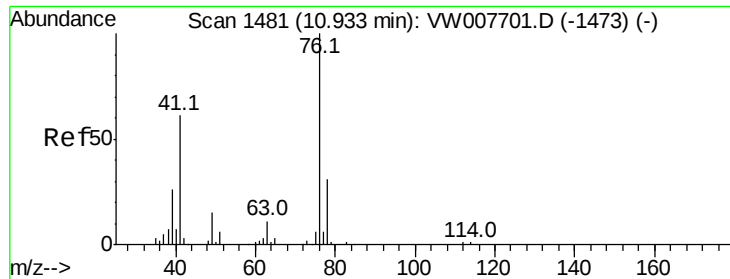


Time-->

10.65

10.60

10.70



#57

1,3-Dichloropropane

Concen: 46.934 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

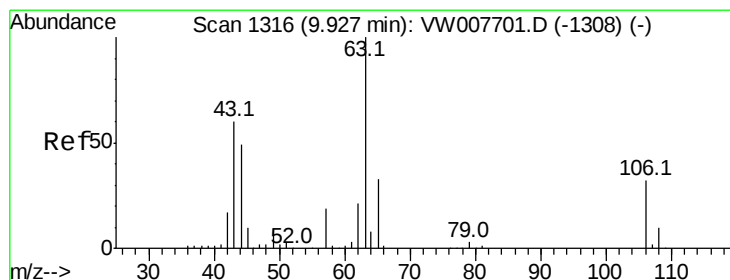
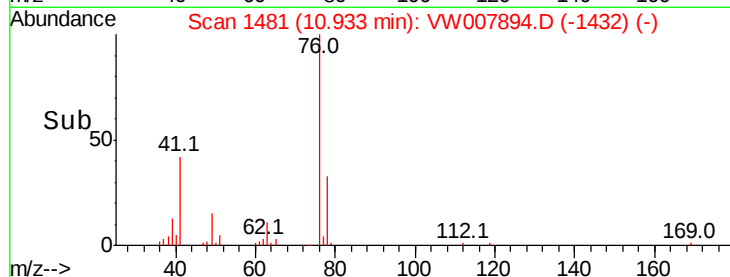
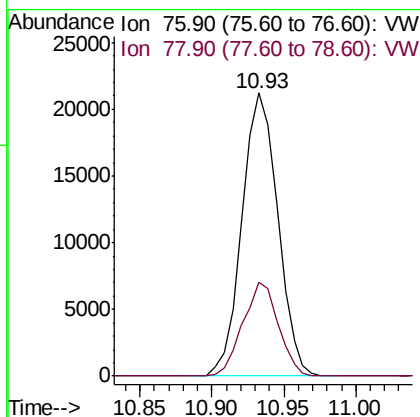
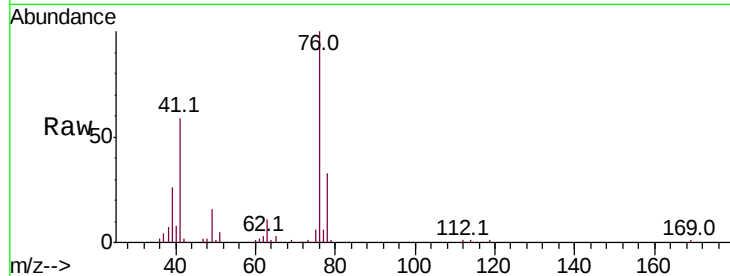
Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 36518

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 241.350 ug/l

RT: 9.93 min Scan# 1316

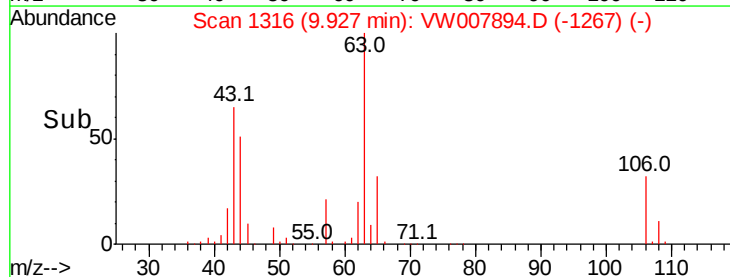
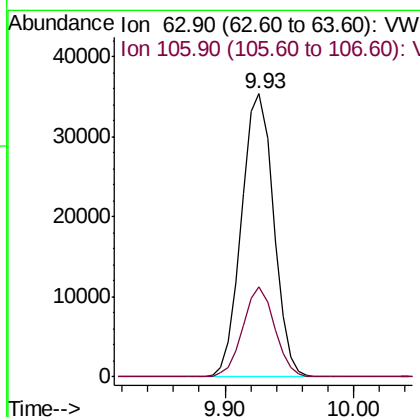
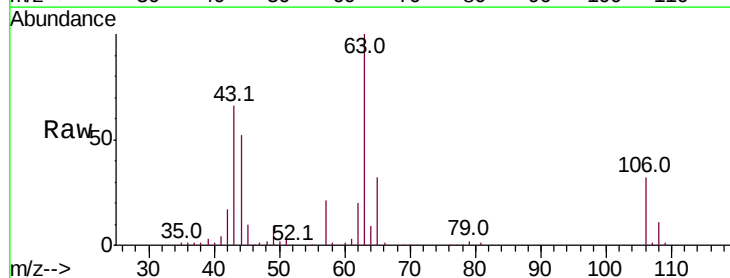
Delta R.T. -0.00 min

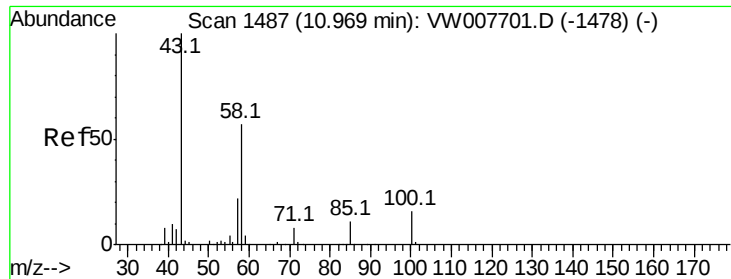
Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Tgt Ion: 63 Resp: 61004

Ion	Ratio	Lower	Upper
63	100		
106	31.2	25.9	38.9

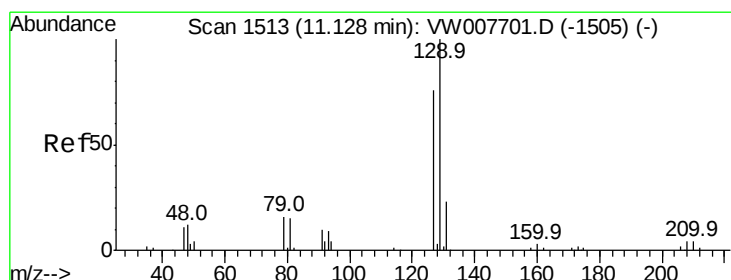
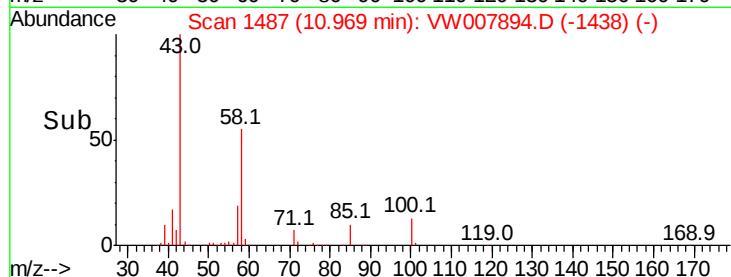
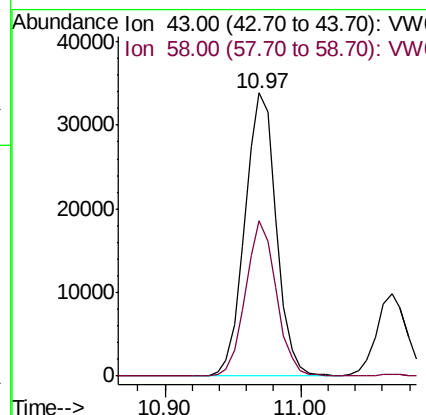
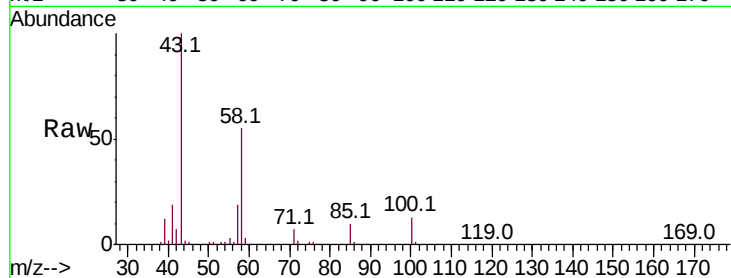




#59
2-Hexanone
Concen: 255.816 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

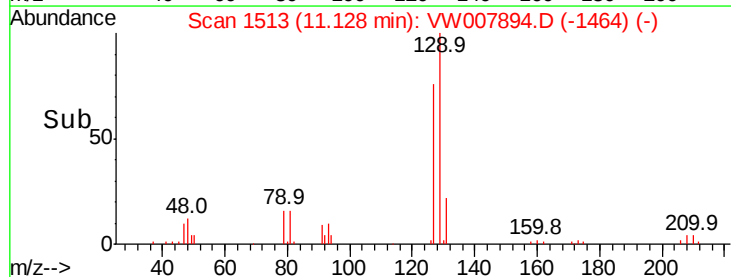
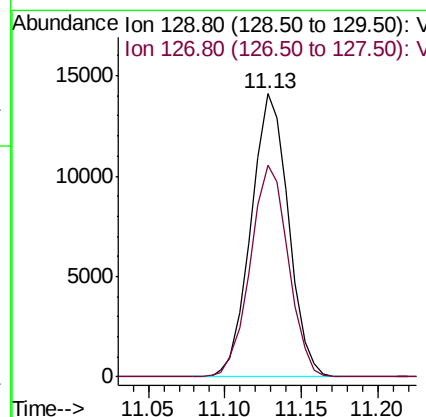
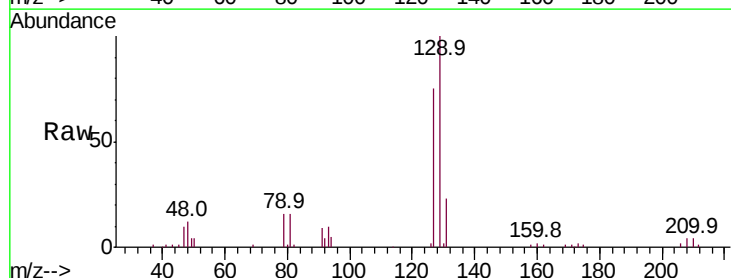
Instrument :
MSVOA_W
ClientSampleId :

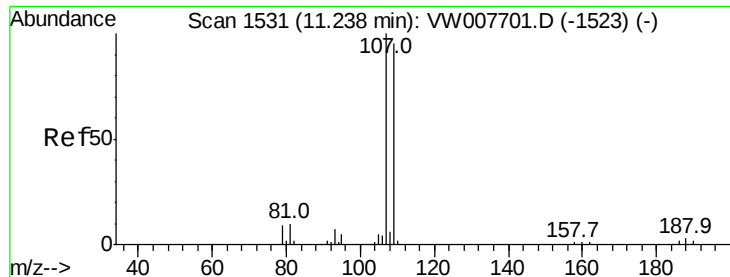
Tot Ion: 43 Resp: 54819
Ion Ratio Lower Upper
43 100
58 53.3 27.7 83.1



#60
Dibromochloromethane
Concen: 38.734 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 129 Resp: 24031
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.9

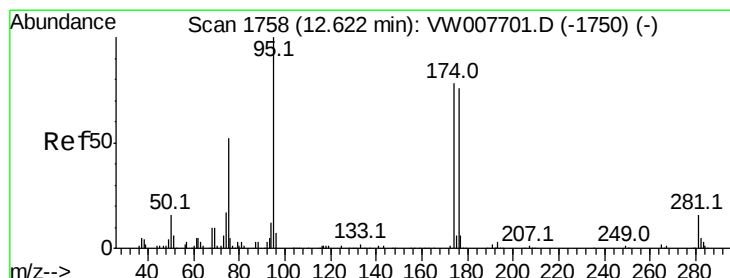
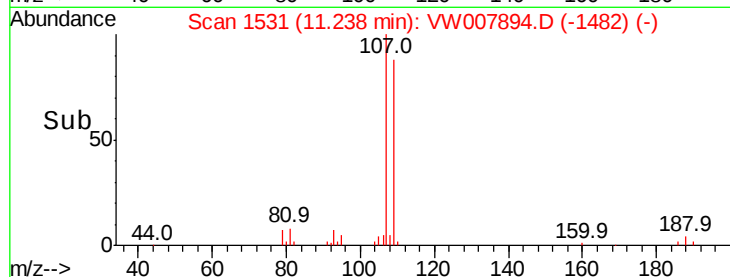
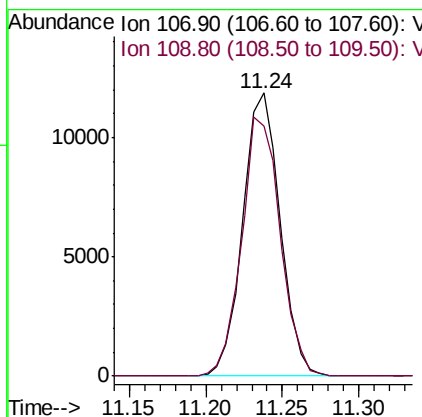
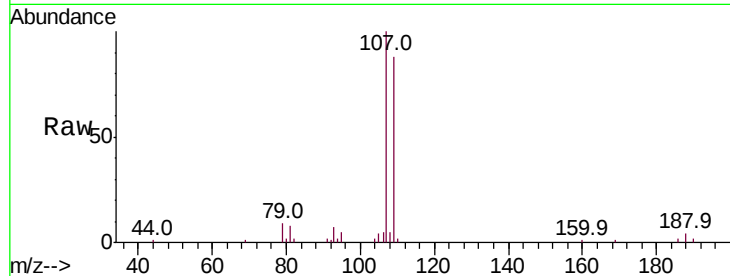




#61
 1,2-Dibromoethane
 Concen: 42.504 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

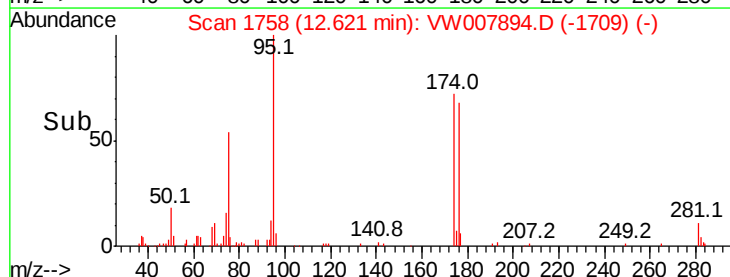
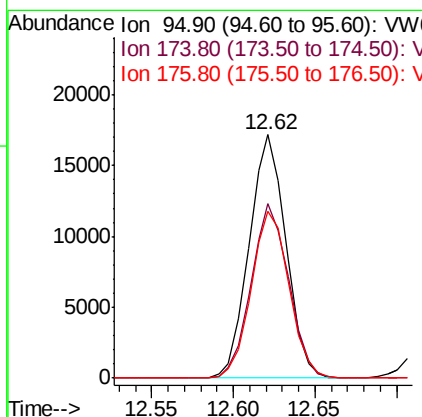
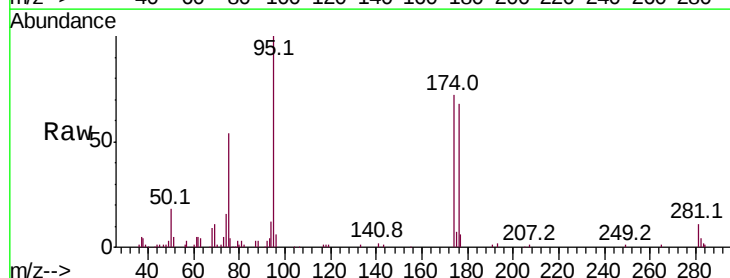
Instrument :
 MSVOA_W
 ClientSampleId :

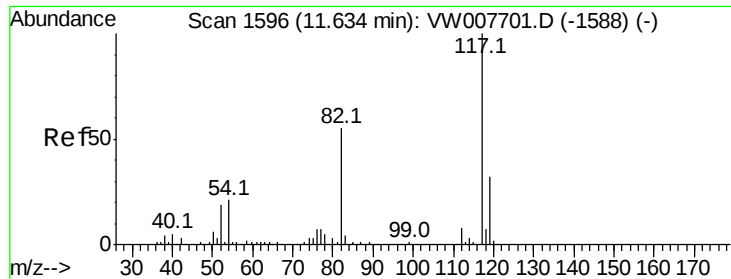
Tot Ion:107 Resp: 20168
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 31.383 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion: 95 Resp: 26939
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 152.2
 176 70.0 0.0 146.8

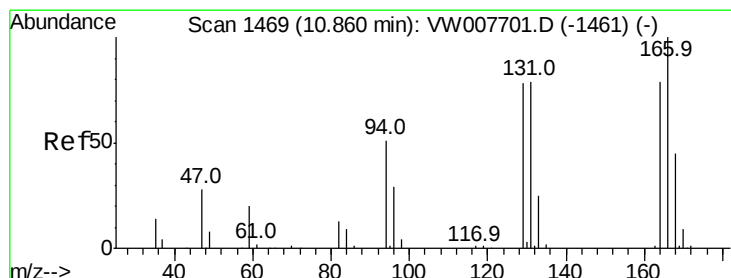
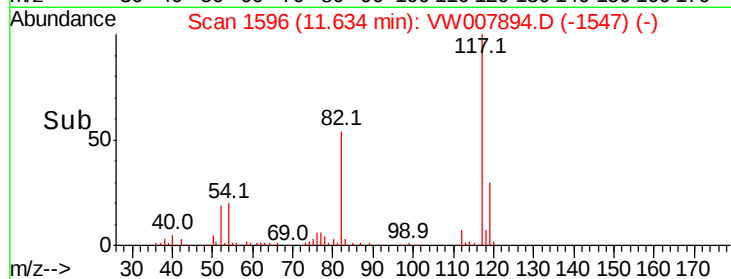
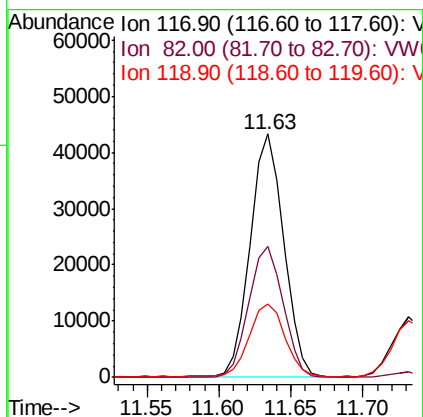
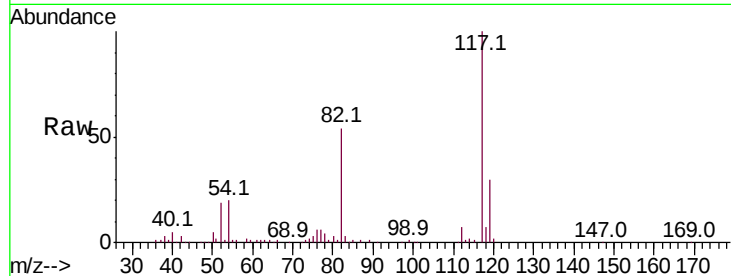




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

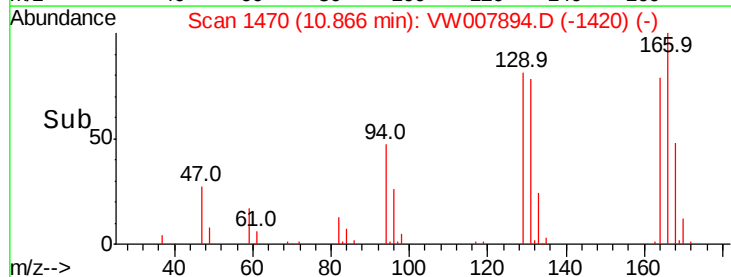
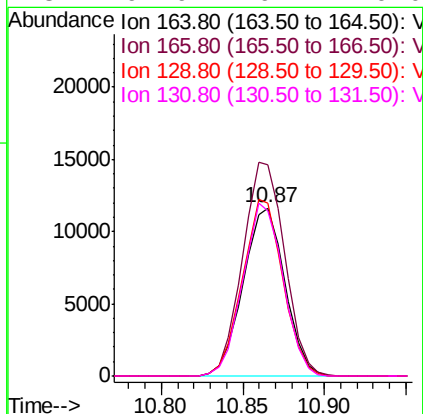
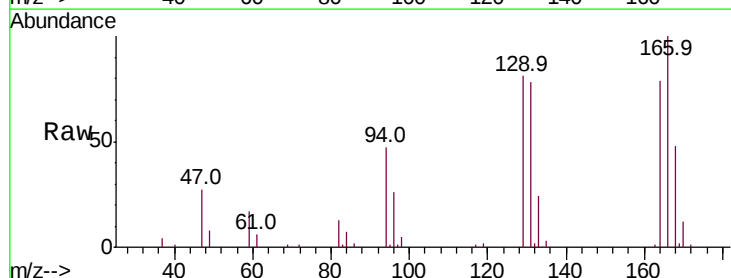
Instrument :
MSVOA_W
ClientSampled :

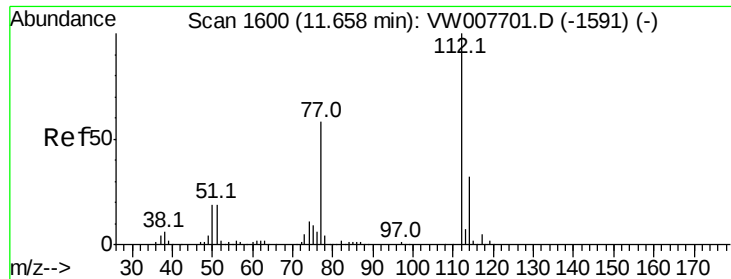
Tot Ion:117 Resp: 69856
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 30.0 25.7 38.5



#64
Tetrachloroethene
Concen: 41.854 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:164 Resp: 20704
Ion Ratio Lower Upper
164 100
166 126.0 101.0 151.6
129 102.5 78.7 118.1
131 97.9 79.4 119.0

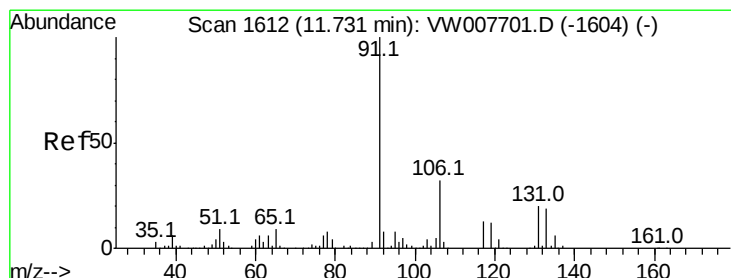
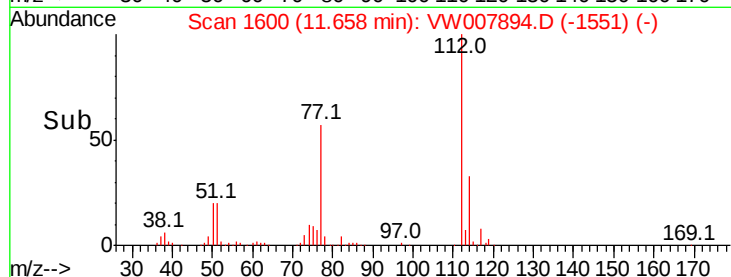
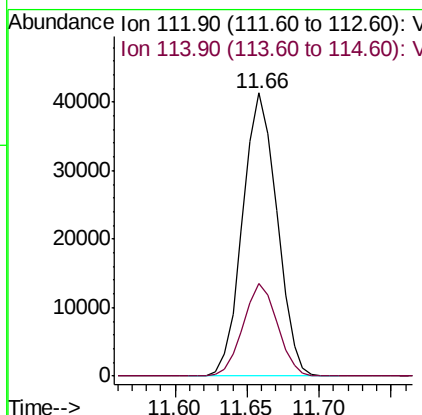
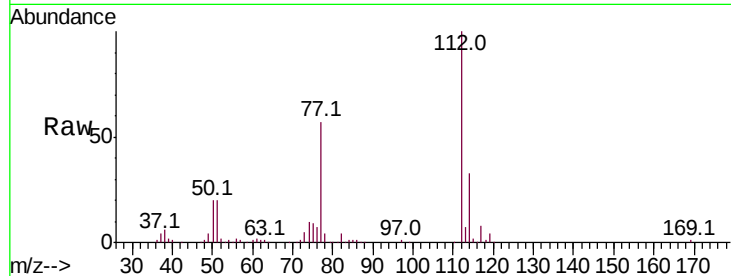




#65
Chlorobenzene
Concen: 45.263 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

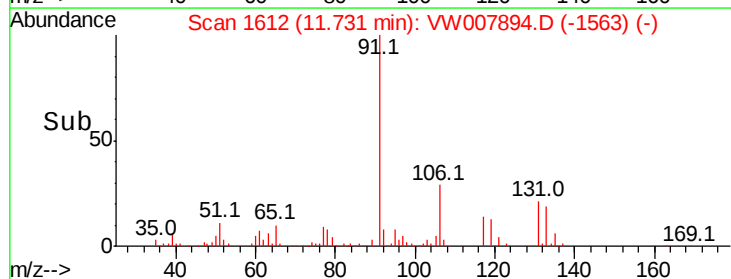
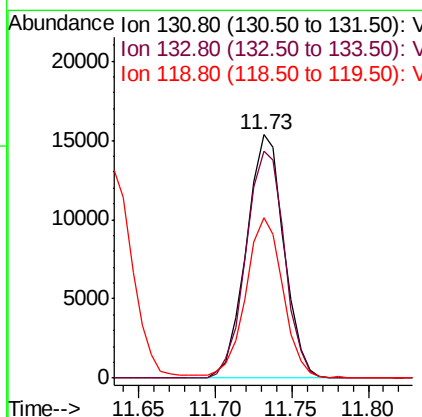
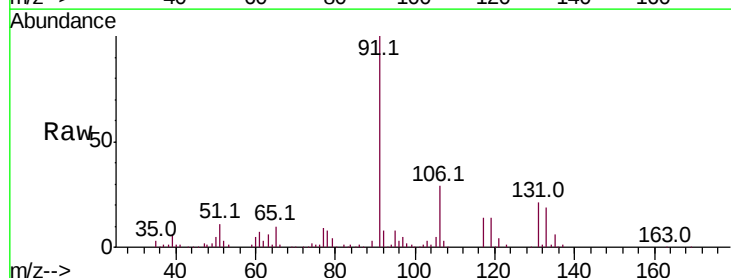
Instrument :
MSVOA_W
ClientSampleId :

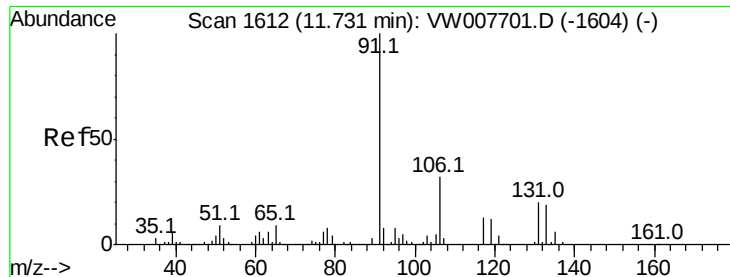
Tot Ion:112 Resp: 68437
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.610 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:131 Resp: 26262
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 65.8 30.2 90.6

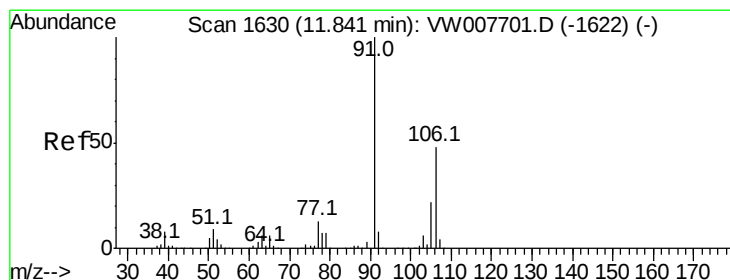
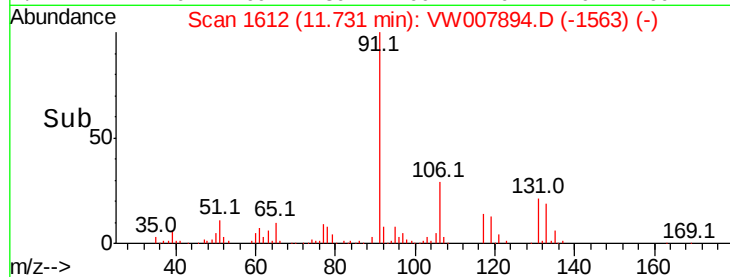
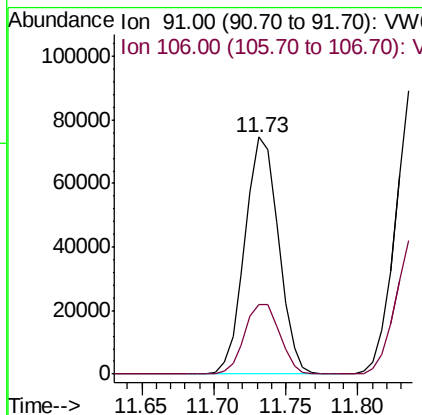
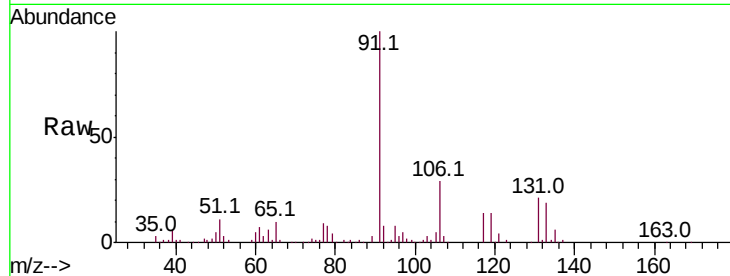




#67
Ethyl Benzene
Concen: 46.685 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

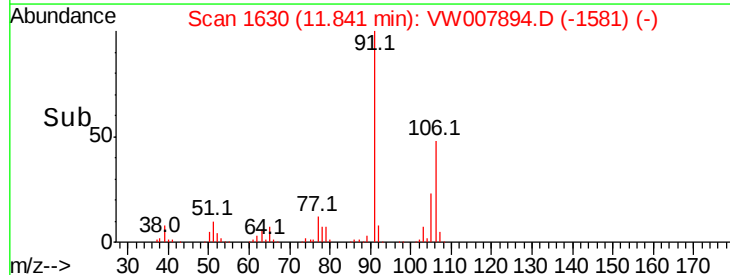
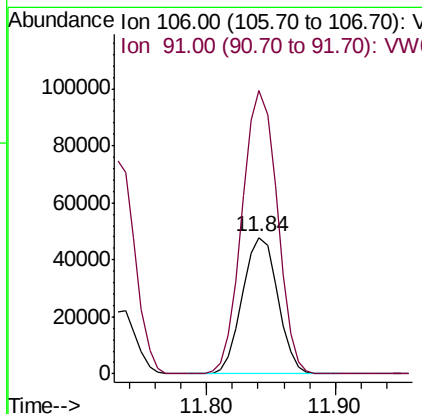
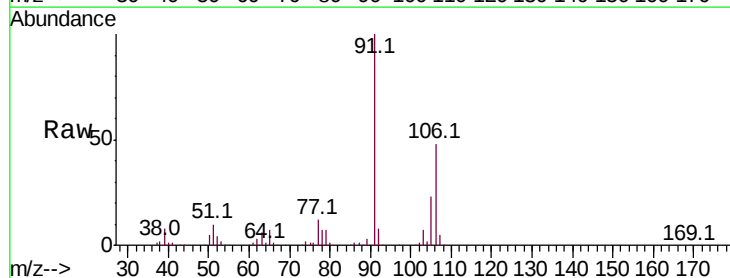
Instrument :
MSVOA_W
ClientSampleId :

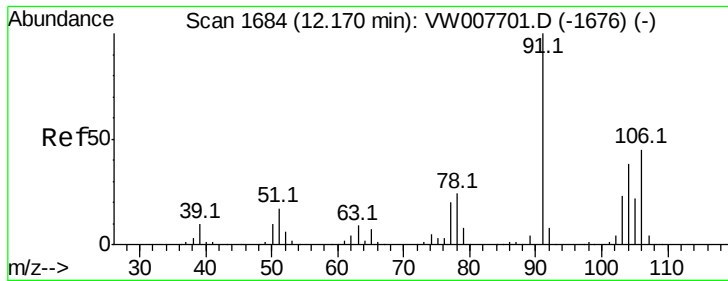
Tot Ion: 91 Resp: 121128
Ion Ratio Lower Upper
91 100
106 29.4 25.8 38.8



#68
m/p-Xylenes
Concen: 90.314 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:106 Resp: 90898
Ion Ratio Lower Upper
106 100
91 206.8 165.2 247.8

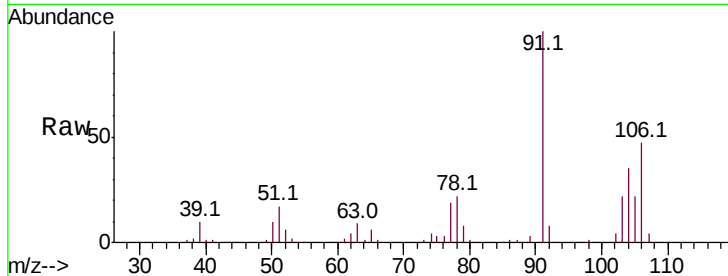




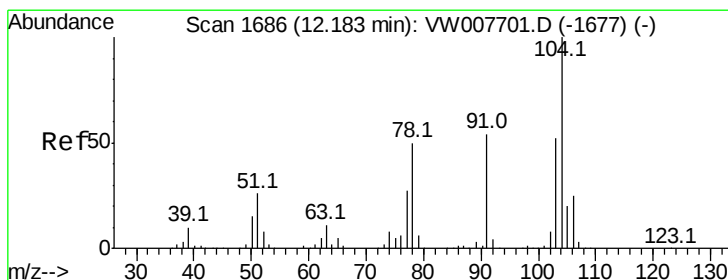
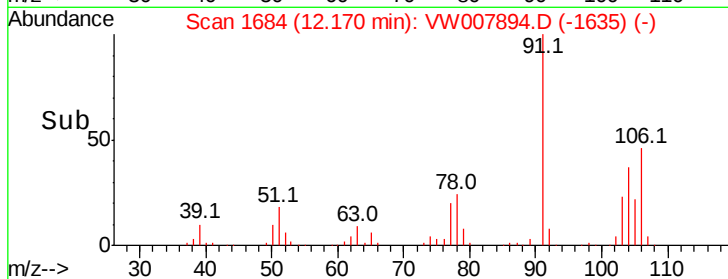
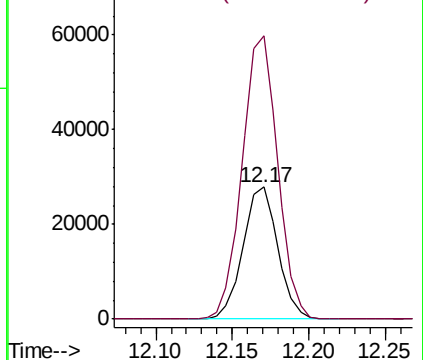
#69
o-Xylene
Concen: 46.718 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 44075
Ion Ratio Lower Upper
106 100
91 218.7 110.5 331.4

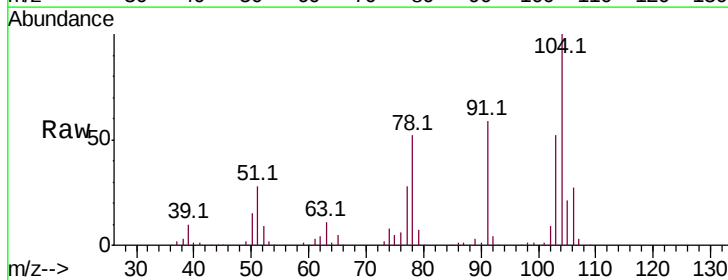


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

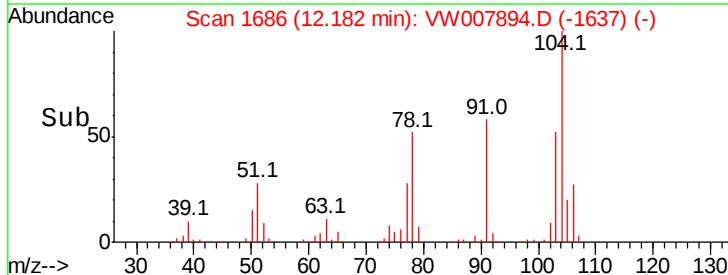
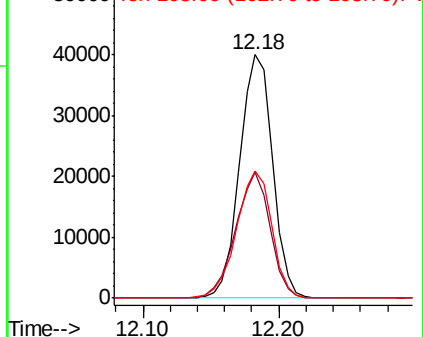


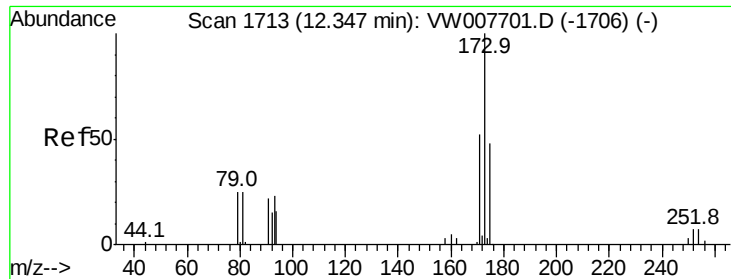
#70
Styrene
Concen: 43.703 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:104 Resp: 67775
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 55.6 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

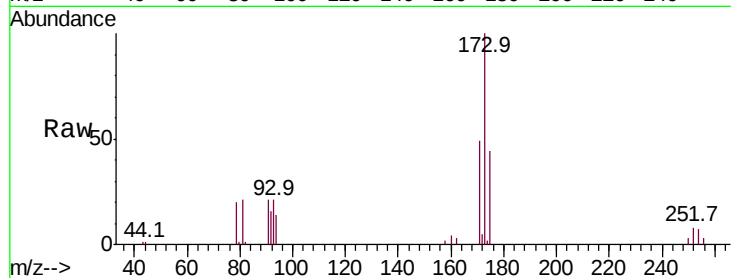




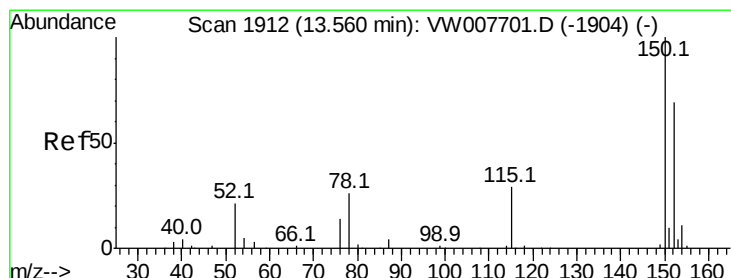
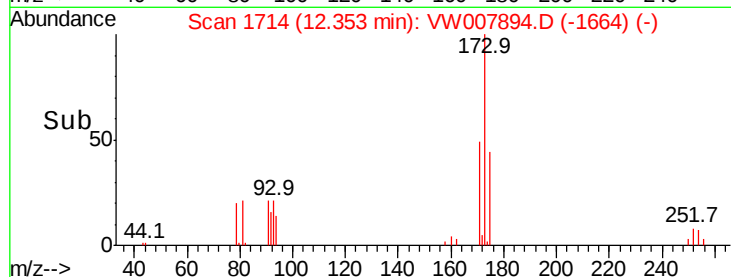
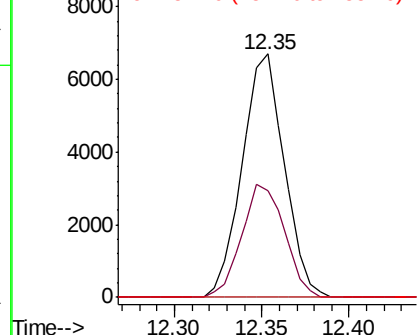
#71
Bromoform
Concen: 39.992 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 11216
Ion Ratio Lower Upper
173 100
175 47.4 23.9 71.7
254 0.0 0.0 0.0

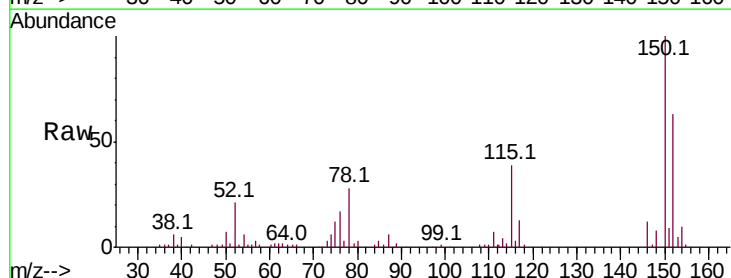


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

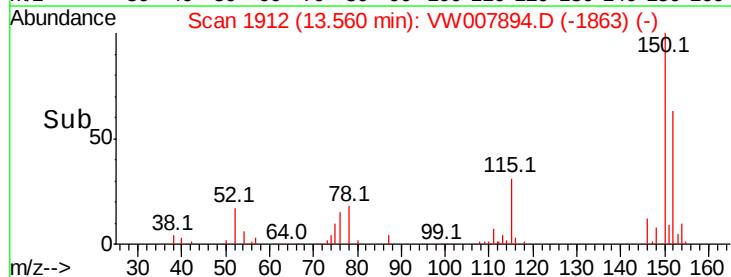
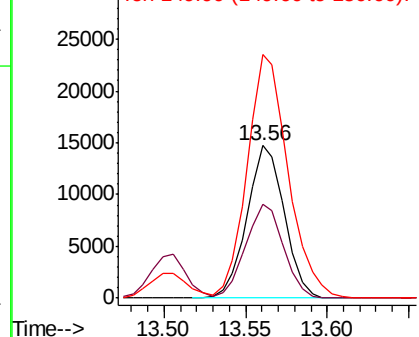


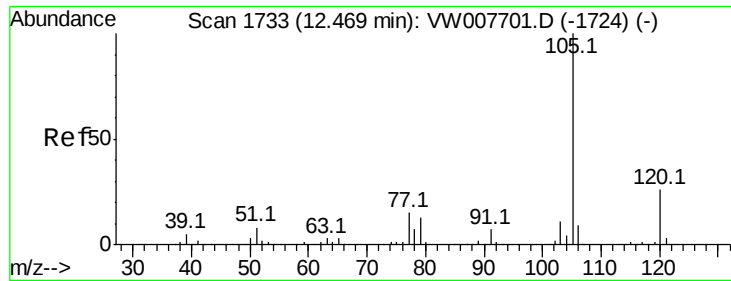
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:152 Resp: 23373
Ion Ratio Lower Upper
152 100
115 62.3 31.8 95.4
150 175.0 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

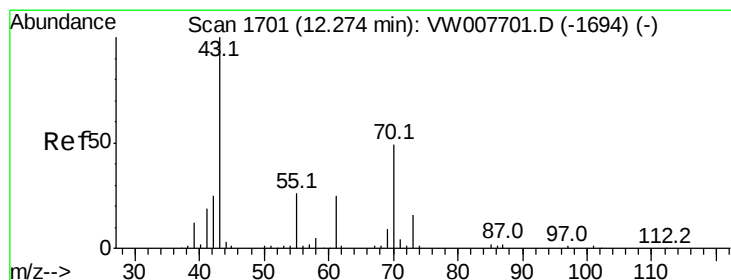
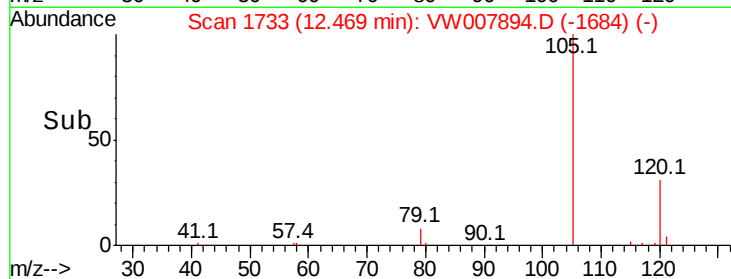
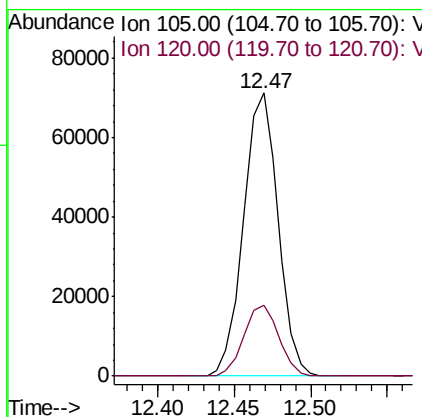
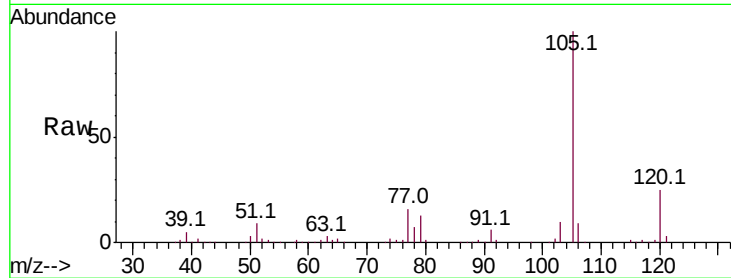




#73
Isopropylbenzene
Concen: 63.227 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

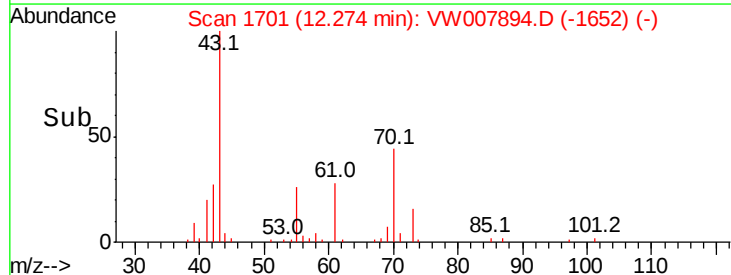
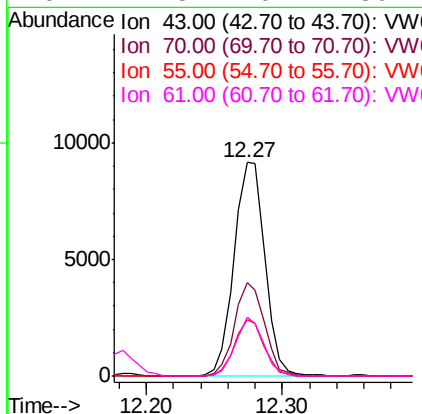
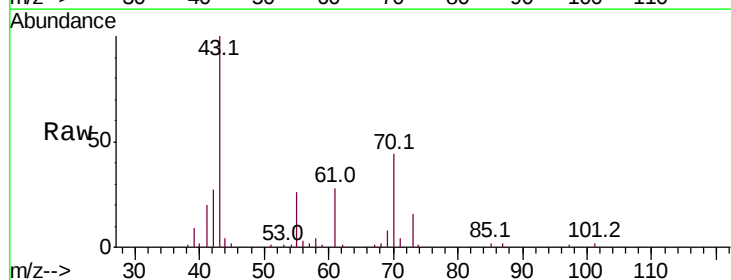
Instrument :
MSVOA_W
ClientSampleId :

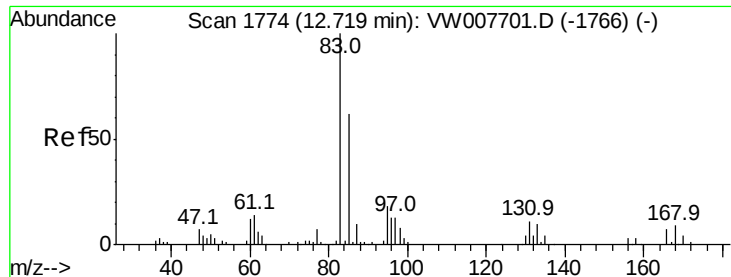
Tot Ion:105 Resp: 111706
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.3



#74
N-ethyl acetate
Concen: 47.310 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion: 43 Resp: 14478
Ion Ratio Lower Upper
43 100
70 42.3 37.6 56.4
55 24.9 21.7 32.5
61 24.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 75.260 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

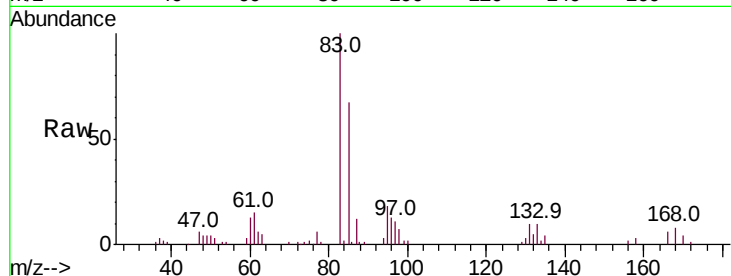
Tot Ion: 83 Resp: 19936

Ion Ratio Lower Upper

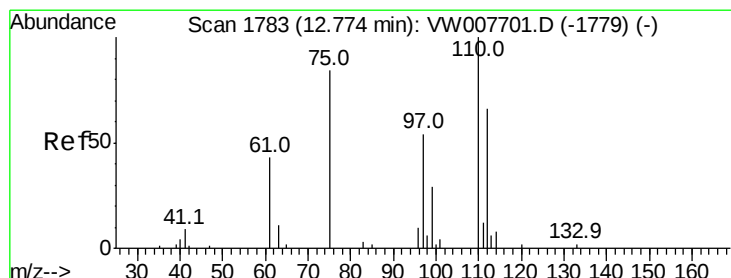
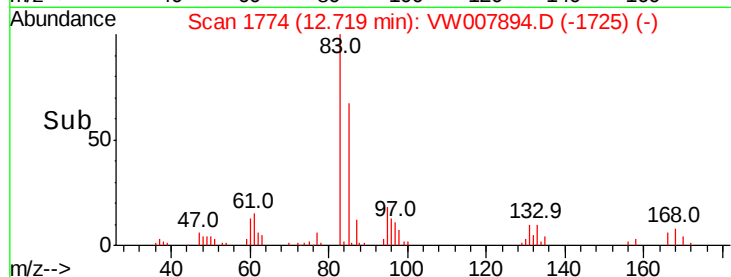
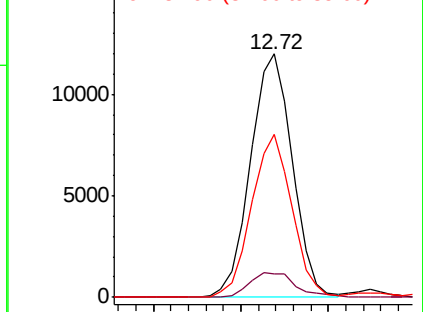
83 100

131 11.2 6.3 18.8

85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 151.441 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007894.D

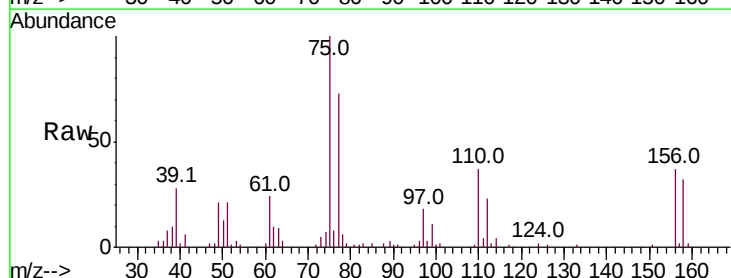
Acq: 24 Dec 2018 17:35

Tgt Ion: 75 Resp: 27358

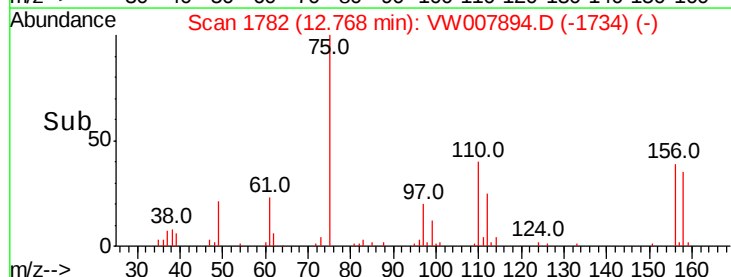
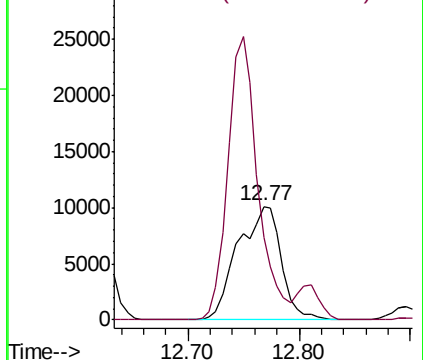
Ion Ratio Lower Upper

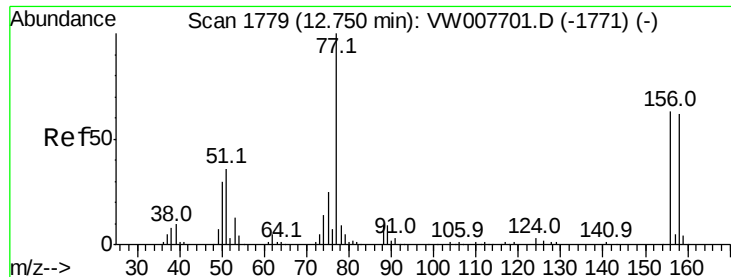
75 100

77 172.1 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: 59.636 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

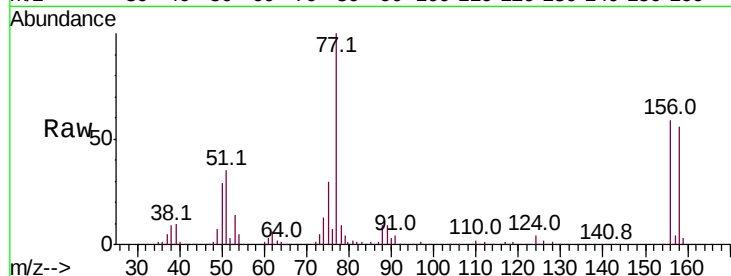
Tot Ion:156 Resp: 24146

Ion Ratio Lower Upper

156 100

77 195.0 87.4 262.1

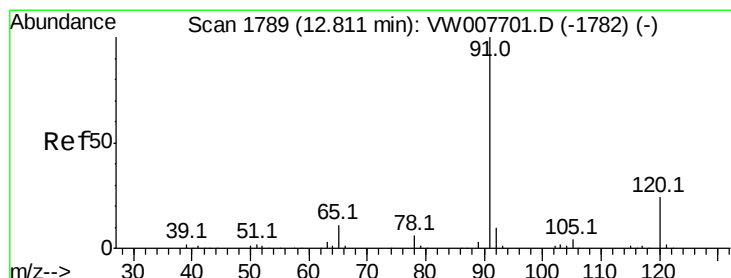
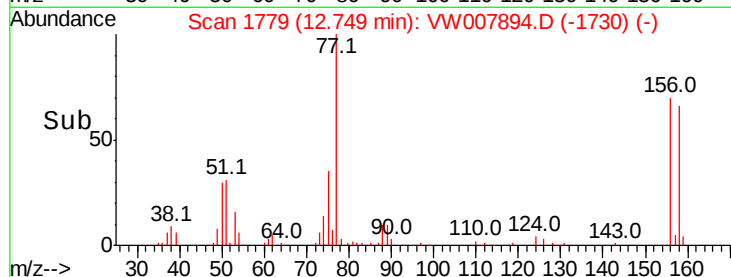
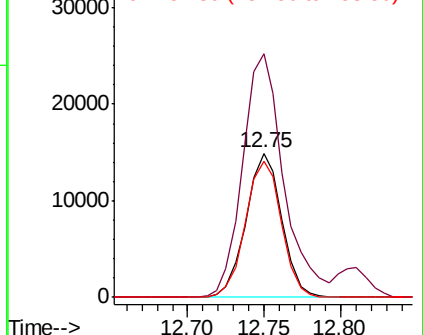
158 95.0 48.4 145.0



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: 57.147 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007894.D

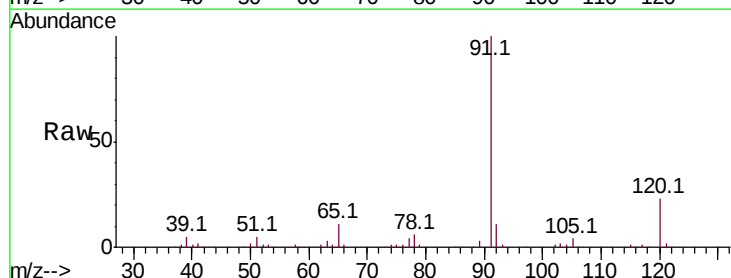
Acq: 24 Dec 2018 17:35

Tgt Ion: 91 Resp: 117528

Ion Ratio Lower Upper

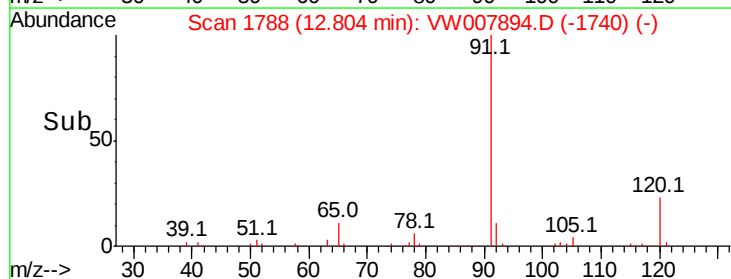
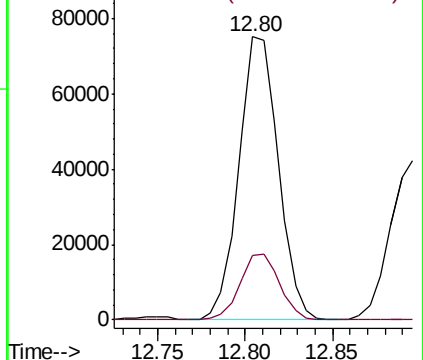
91 100

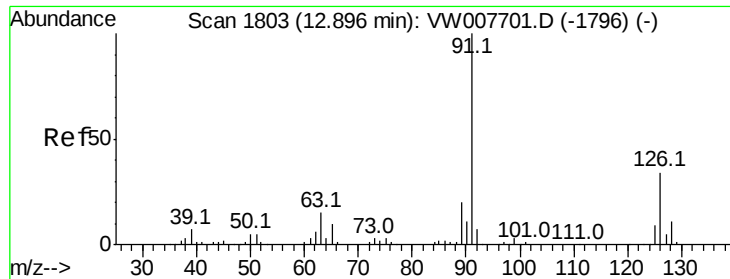
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

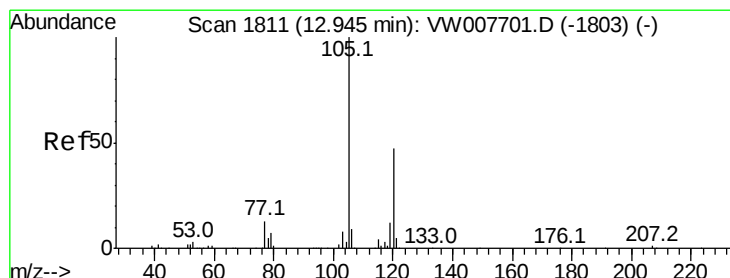
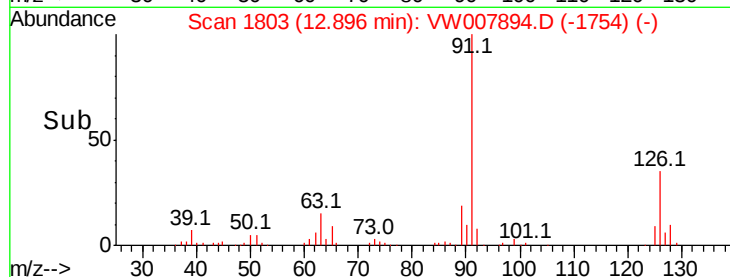
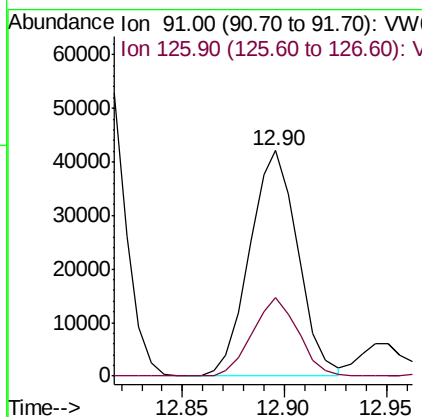
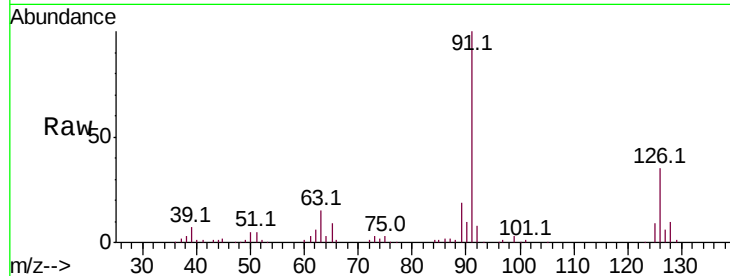




#79
2-Chlorotoluene
Concen: 57.483 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

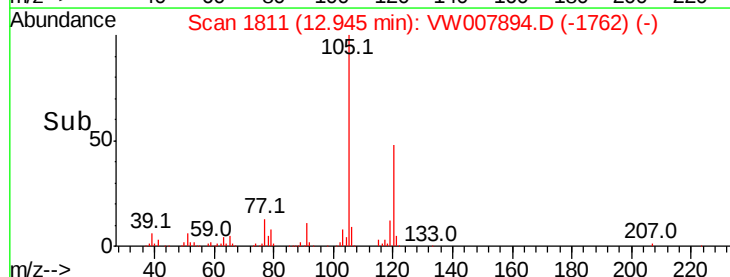
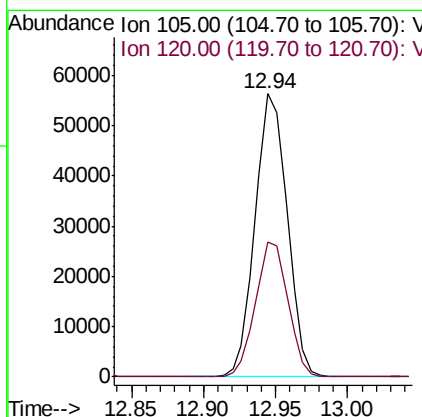
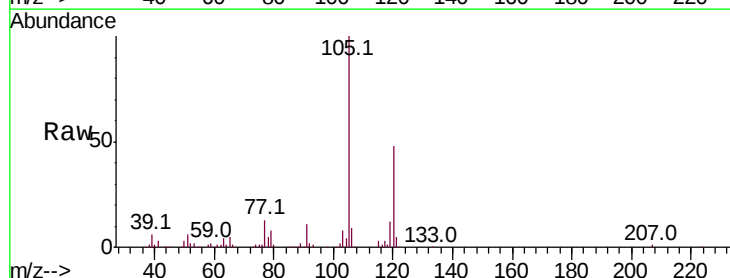
Instrument :
MSVOA_W
ClientSampled :

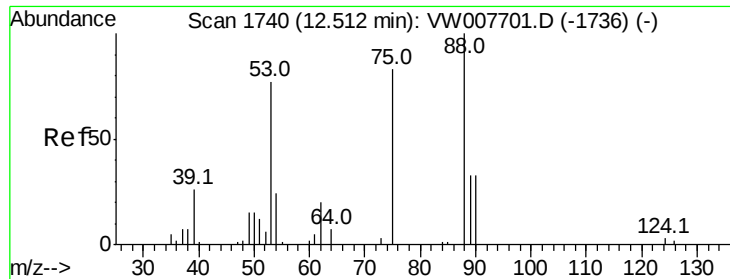
Tot Ion: 91 Resp: 68869
Ion Ratio Lower Upper
91 100
126 33.2 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 57.061 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:105 Resp: 86957
Ion Ratio Lower Upper
105 100
120 48.0 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 72.564 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

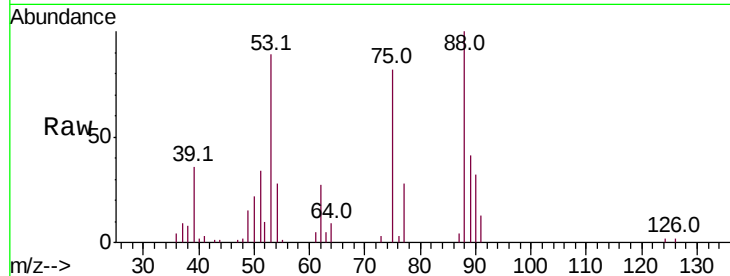
Tot Ion: 75 Resp: 6245

Ion Ratio Lower Upper

75 100

53 101.3 80.2 120.2

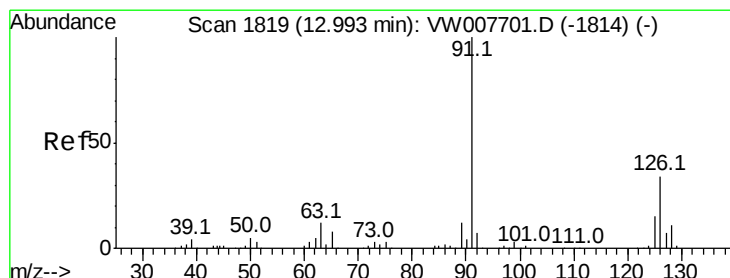
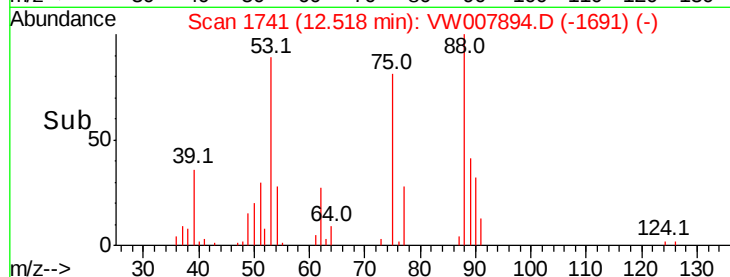
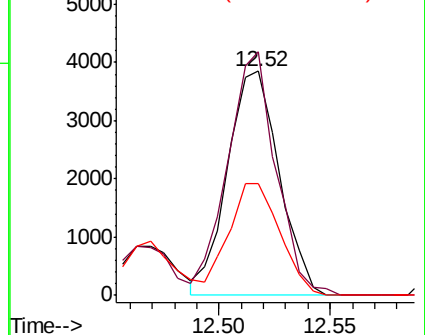
89 49.0 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 55.777 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007894.D

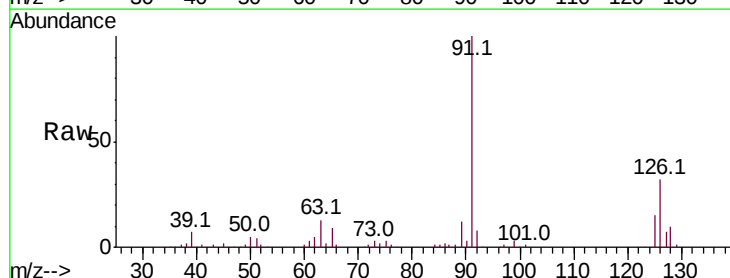
Acq: 24 Dec 2018 17:35

Tgt Ion: 91 Resp: 71153

Ion Ratio Lower Upper

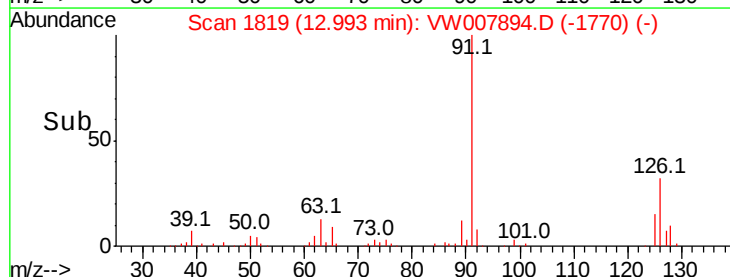
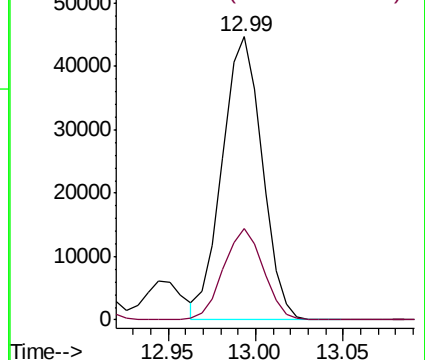
91 100

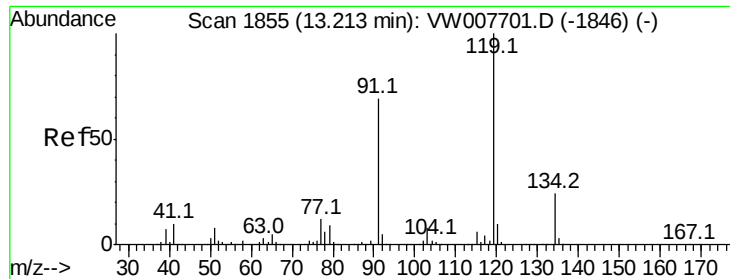
126 32.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

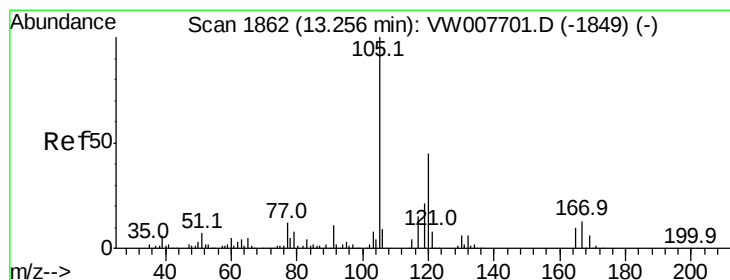
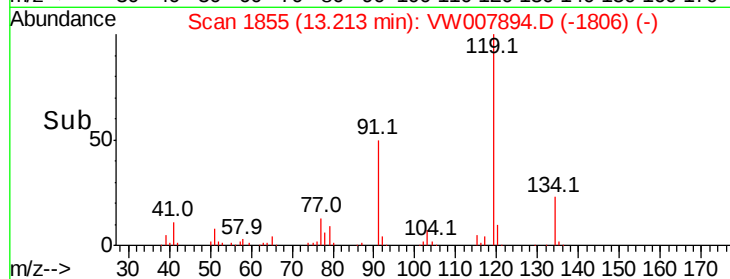
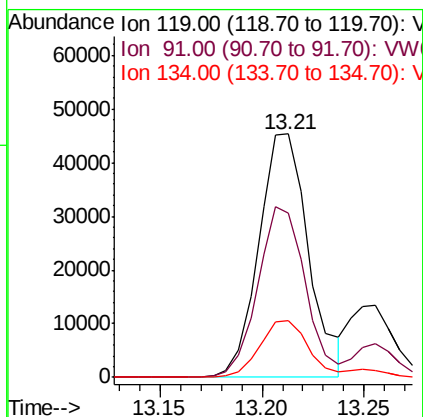
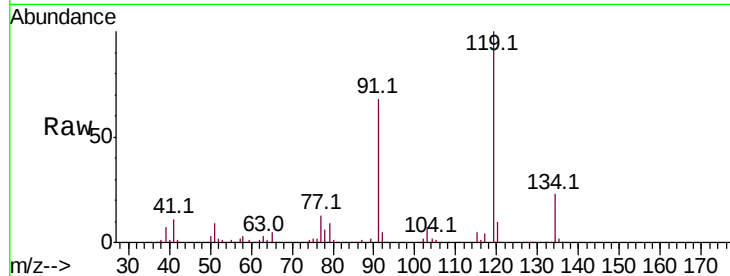




#83
 tert-Butylbenzene
 Concen: 57.857 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

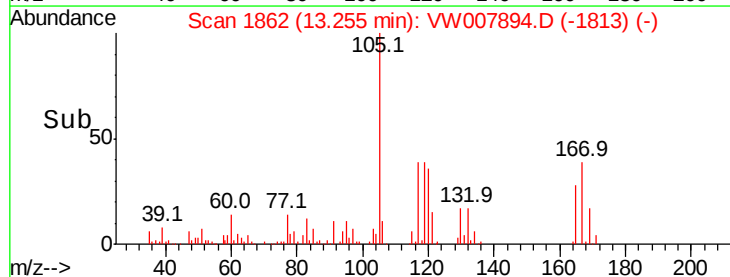
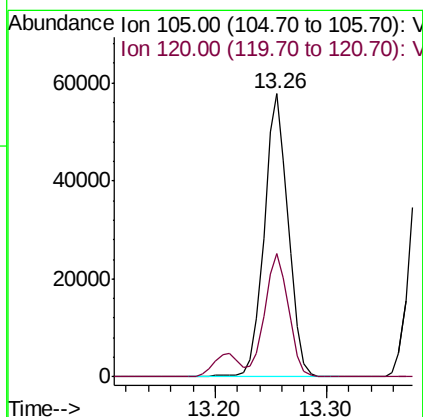
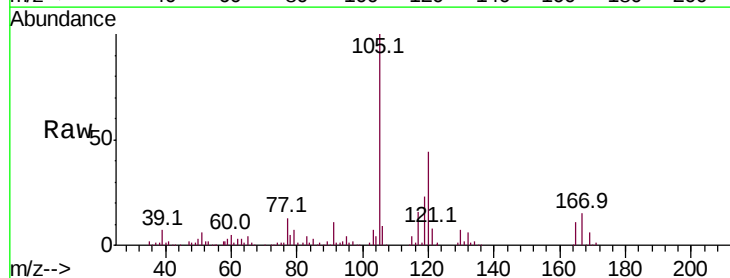
Instrument :
 MSVOA_W
 ClientSampleId :

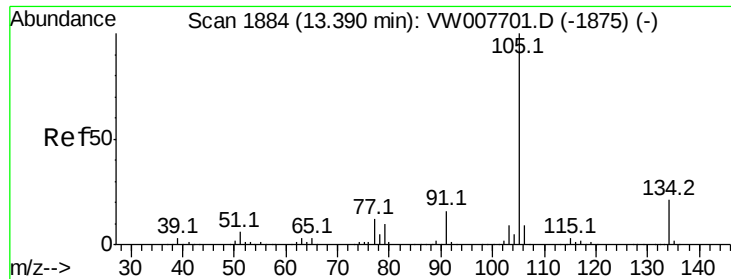
Tot Ion:119 Resp: 77363
 Ion Ratio Lower Upper
 119 100
 91 66.7 34.2 102.5
 134 22.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 56.555 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion:105 Resp: 86967
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.0 66.0

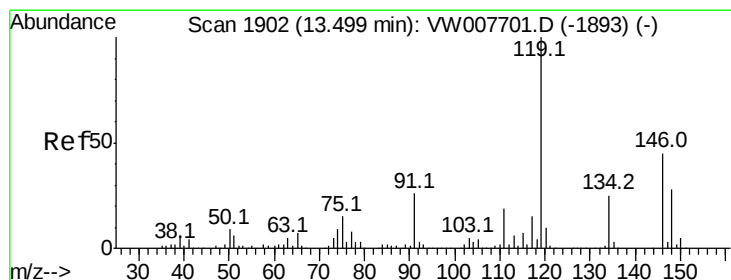
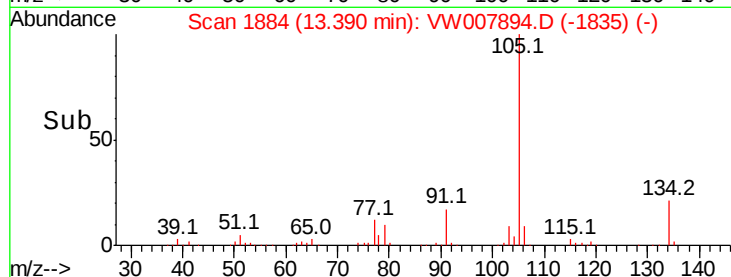
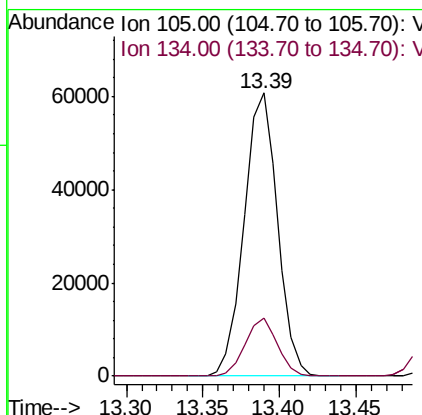
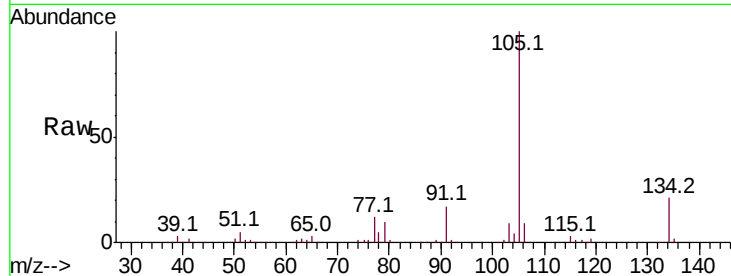




#85
 sec-Butylbenzene
 Concen: 49.975 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

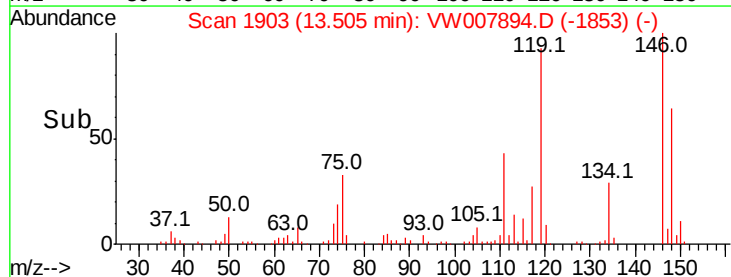
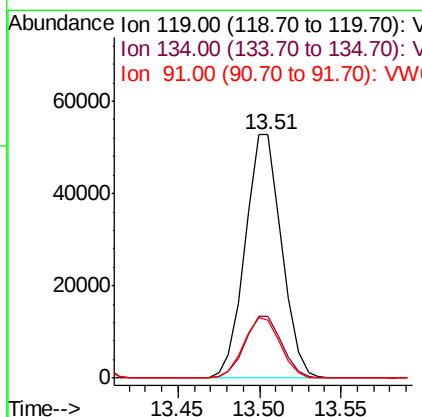
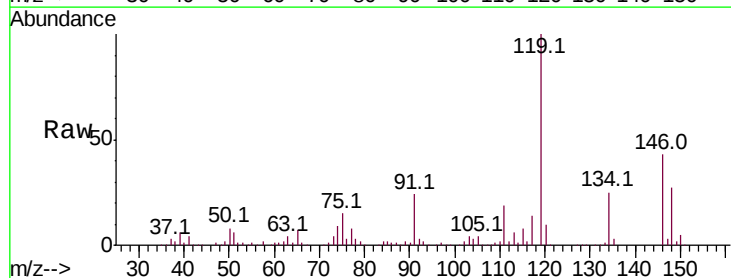
Instrument :
 MSVOA_W
 ClientSampleId :

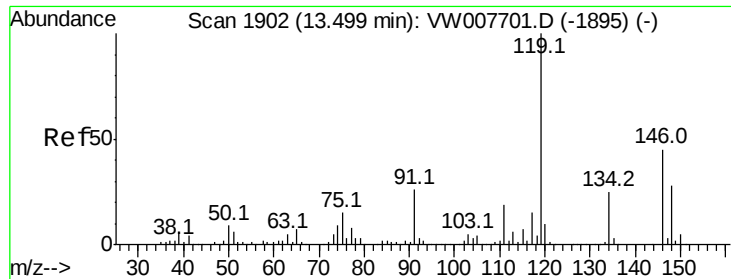
Tot Ion:105 Resp: 92094
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 48.806 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion:119 Resp: 81784
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 25.2 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 48.554 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

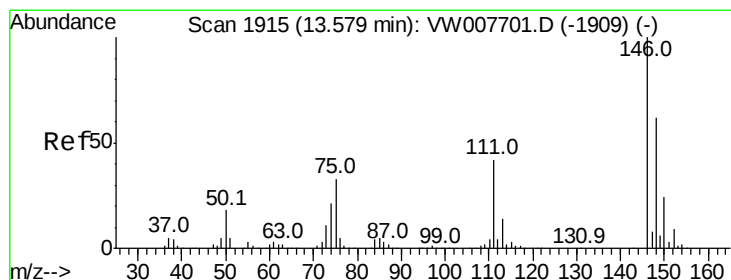
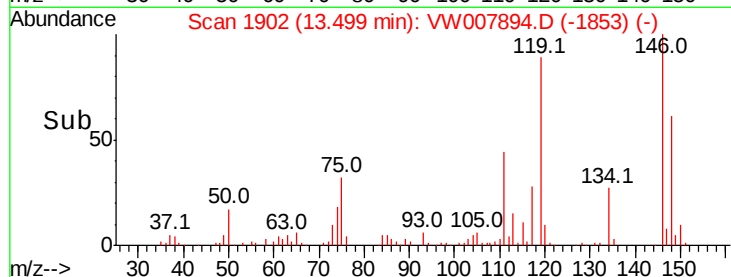
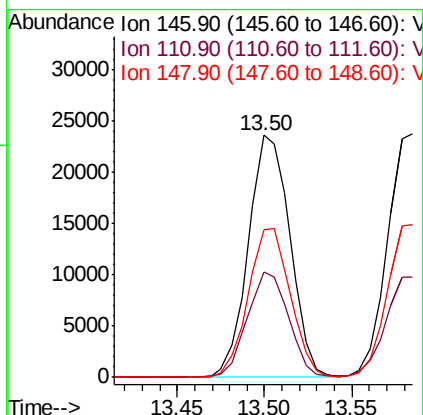
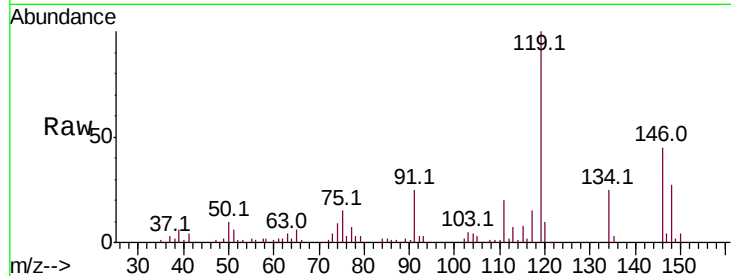
Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 39033

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.4	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 48.246 ug/l

RT: 13.58 min Scan# 1916

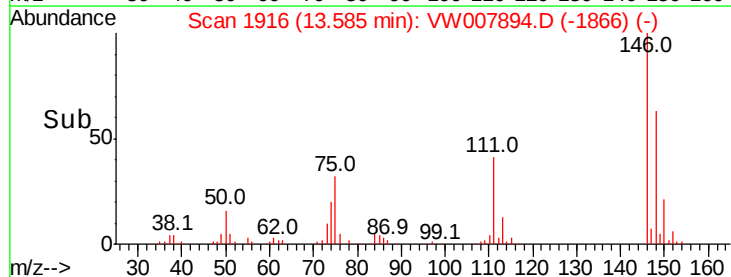
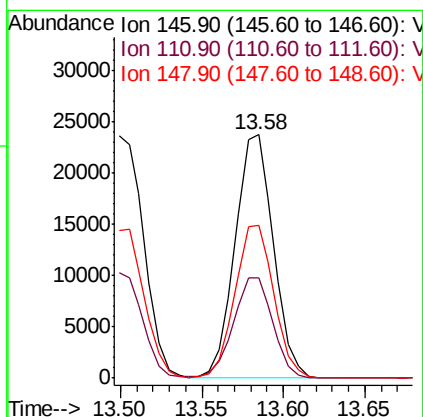
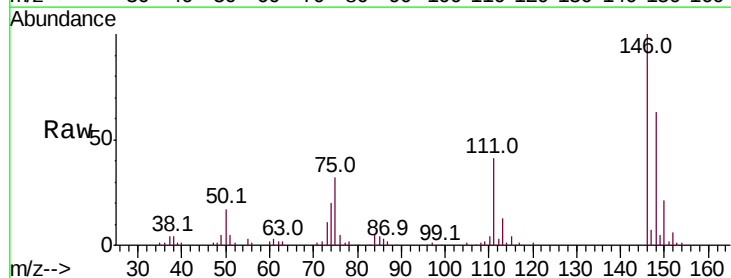
Delta R.T. 0.01 min

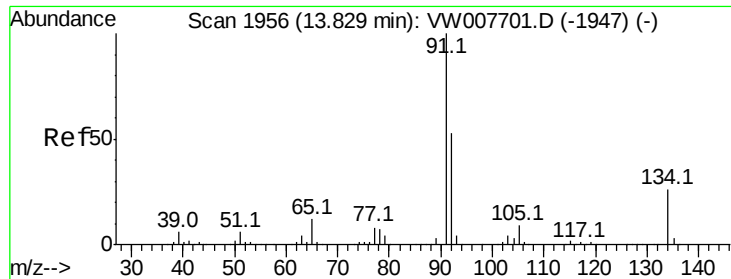
Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Tgt Ion:146 Resp: 38797

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.0	63.0
148	63.9	31.8	95.4





#89

n-Butylbenzene

Concen: 41.137 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

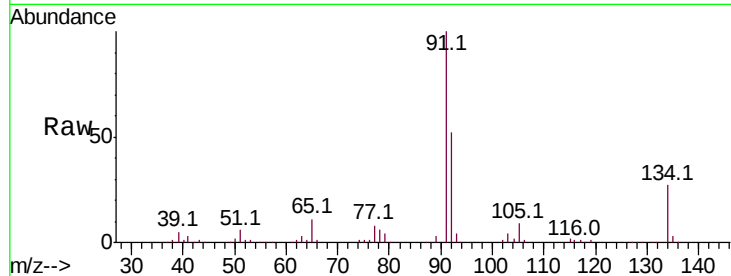
Tot Ion: 91 Resp: 63203

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.2

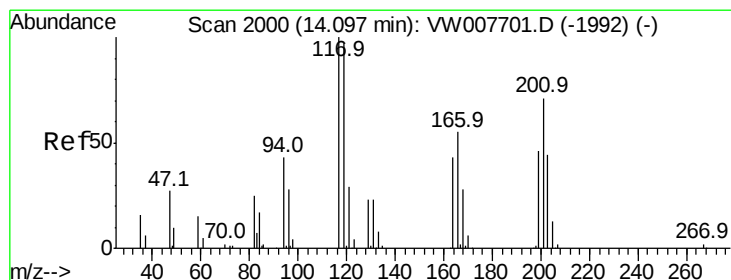
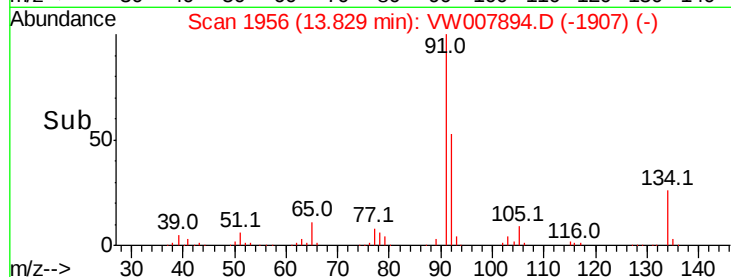
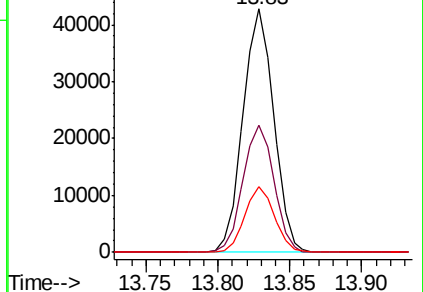
134 26.0 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.026 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007894.D

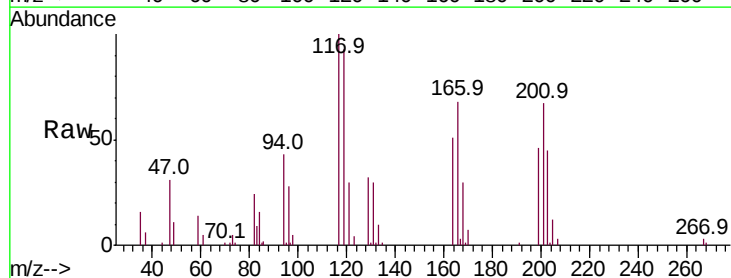
Acq: 24 Dec 2018 17:35

Tgt Ion:117 Resp: 13246

Ion Ratio Lower Upper

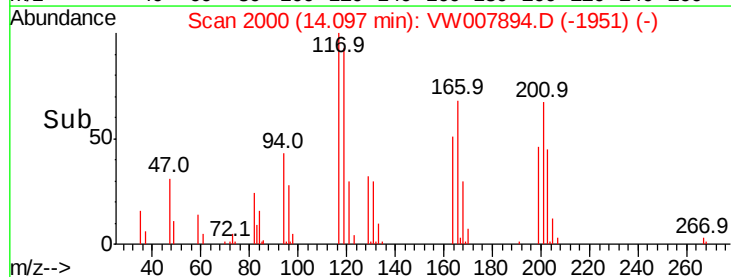
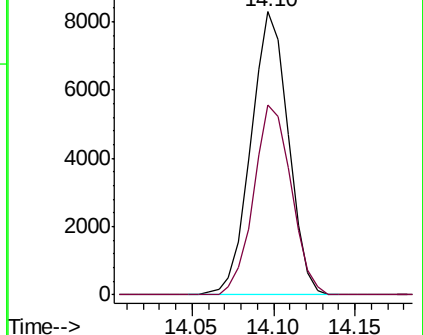
117 100

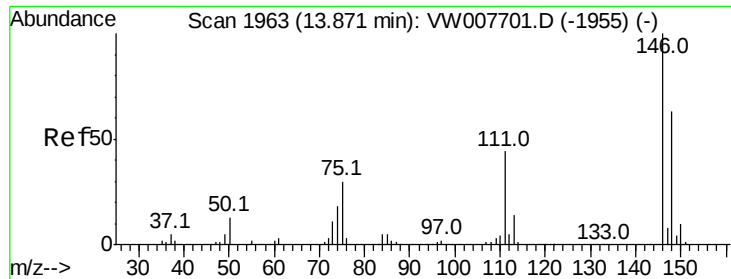
201 67.5 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 46.840 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

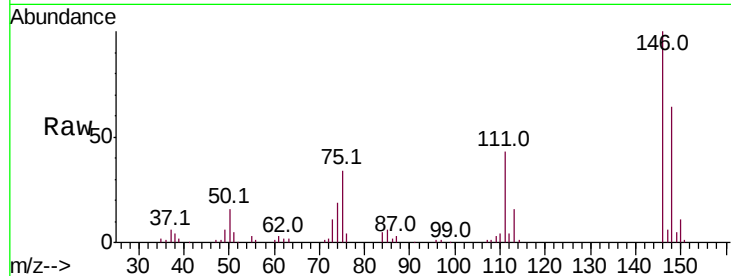
Tot Ion:146 Resp: 33714

Ion Ratio Lower Upper

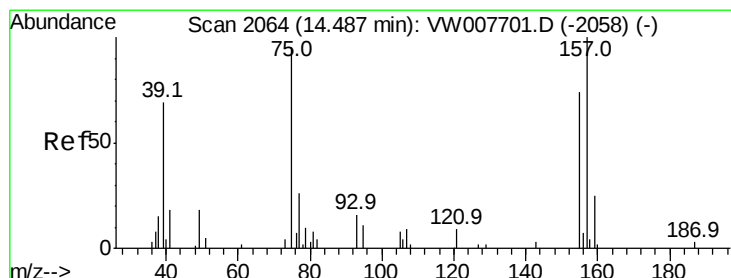
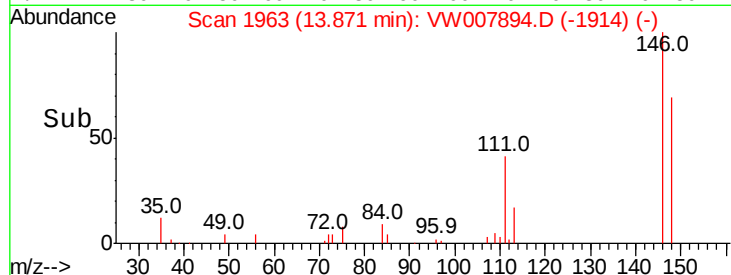
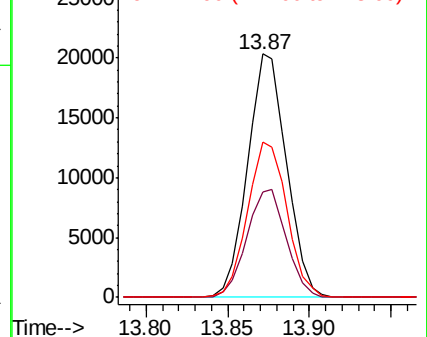
146 100

111 45.0 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: 62.997 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007894.D

Acq: 24 Dec 2018 17:35

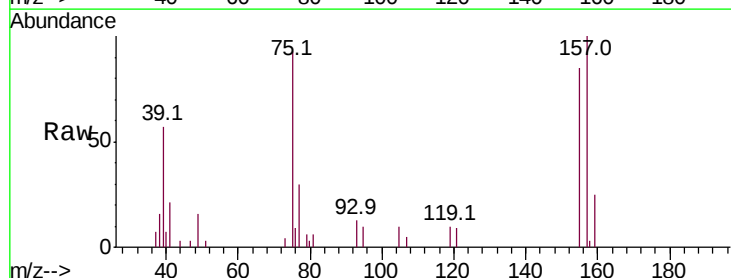
Tgt Ion: 75 Resp: 3427

Ion Ratio Lower Upper

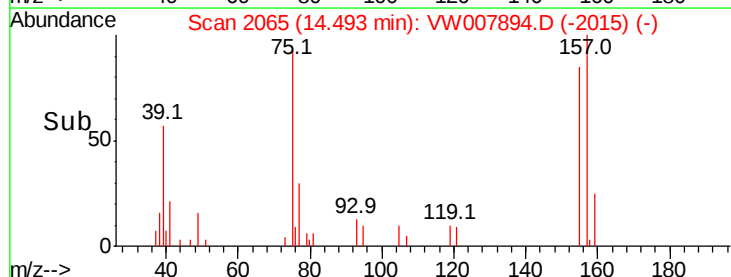
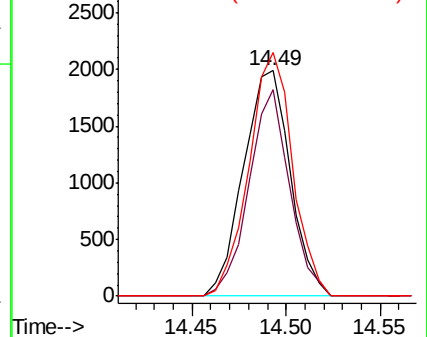
75 100

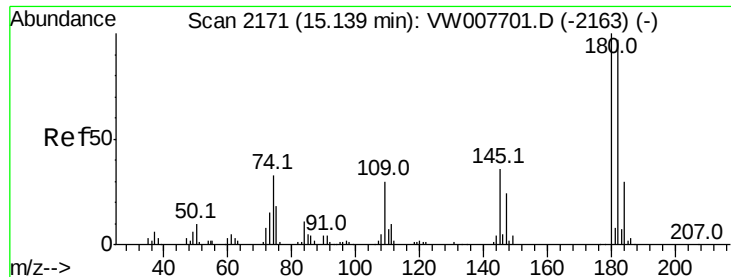
155 79.6 39.4 118.1

157 100.9 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

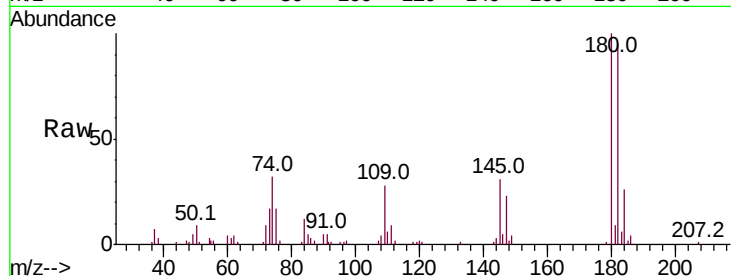




#93
 1,2,4-Trichlorobenzene
 Concen: 30.667 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.5	142.6
145	32.9	17.5	52.5

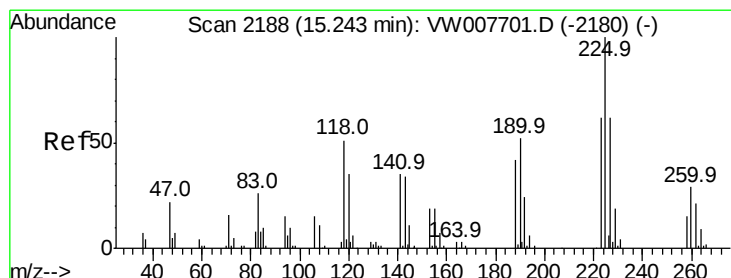
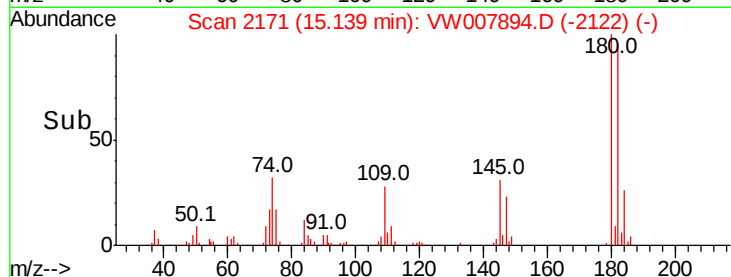
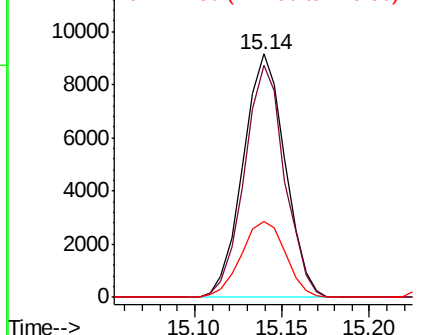


Abundance

Ion 179.80 (179.50 to 180.50): V

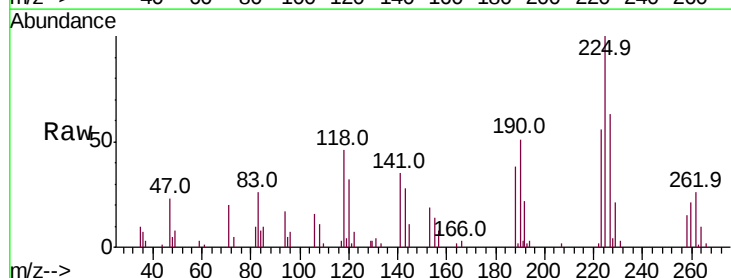
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 27.482 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007894.D
 Acq: 24 Dec 2018 17:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	94.8
227	61.7	32.1	96.3

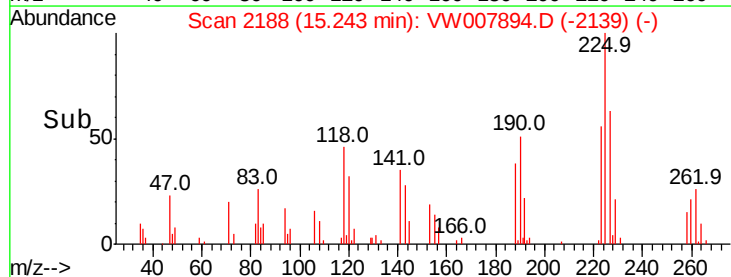
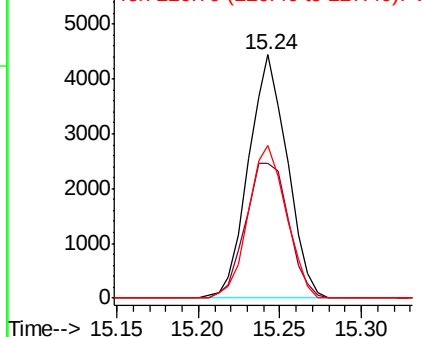


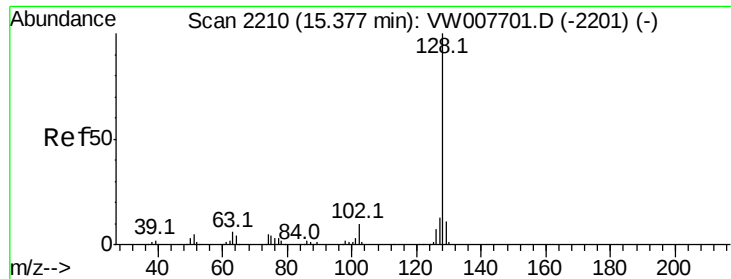
Abundance

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

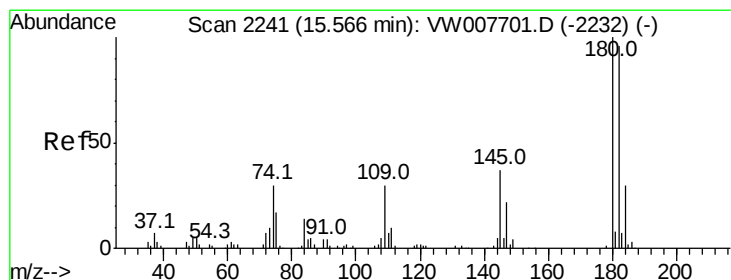
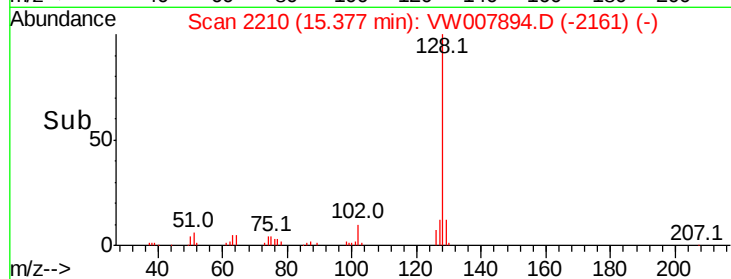
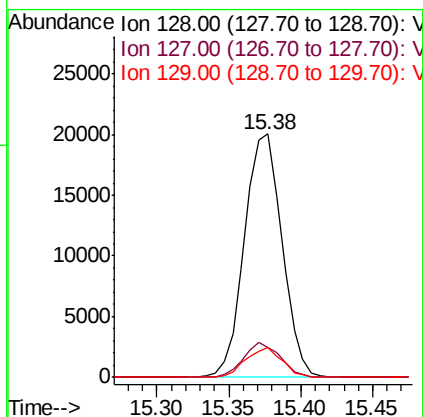
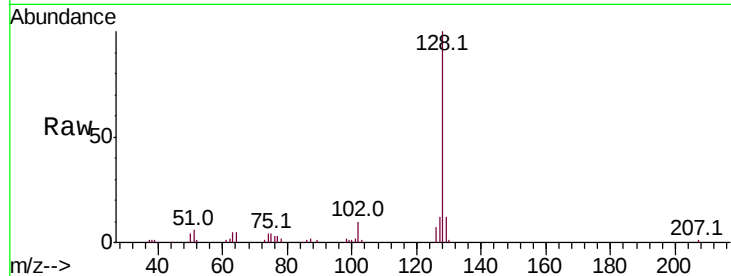




#95
Naphthalene
Concen: 39.214 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 36223
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.857 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007894.D
Acq: 24 Dec 2018 17:35

Tgt Ion:180 Resp: 11914
Ion Ratio Lower Upper
180 100
182 97.2 47.4 142.2
145 37.0 18.4 55.0

