

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013486.D
 Acq On : 08 Oct 2019 15:01
 Operator : SY/VA
 Sample : VW1008SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 06:01:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136060	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.88	113	137961	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.32	98	588567	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	195448	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27452	23.164	ug/l	99
3) Chloromethane	2.21	50	46648	22.393	ug/l	99
4) Vinyl Chloride	2.35	62	64855	21.107	ug/l	99
5) Bromomethane	2.77	94	38615	21.062	ug/l	94
6) Chloroethane	2.91	64	34385	19.927	ug/l	97
7) Trichlorofluoromethane	3.25	101	30586	21.039	ug/l	92
8) Diethyl Ether	3.68	74	31546	20.964	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59143	19.739	ug/l	94
10) Methyl Iodide	4.26	142	96696	20.380	ug/l	98
11) Tert butyl alcohol	5.20	59	19176	78.788	ug/l	96
12) 1,1-Dichloroethene	4.04	96	64033	20.621	ug/l	99
13) Acrolein	3.90	56	25596	105.597	ug/l	98
14) Allyl chloride	4.67	41	98500	20.642	ug/l	100
15) Acrylonitrile	5.37	53	69142	98.312	ug/l	99
16) Acetone	4.13	43	58786	91.390	ug/l	97
17) Carbon Disulfide	4.38	76	178328	20.460	ug/l	99
18) Methyl Acetate	4.67	43	36157	19.623	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	93633	19.941	ug/l	96
20) Methylene Chloride	4.92	84	71578	20.632	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68491	20.757	ug/l	96
22) Diisopropyl ether	6.31	45	185630	20.762	ug/l	98
23) Vinyl Acetate	6.25	43	544049	101.355	ug/l	98
24) 1,1-Dichloroethane	6.21	63	112589	20.603	ug/l	99
25) 2-Butanone	7.17	43	86582	91.333	ug/l	98
26) 2,2-Dichloropropane	7.16	77	71425	20.275	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	73349	21.009	ug/l	98
28) Bromochloromethane	7.51	49	31376	16.490	ug/l #	98
29) Tetrahydrofuran	7.53	42	57359	99.000	ug/l	98
30) Chloroform	7.67	83	110322	20.871	ug/l	88
31) Cyclohexane	7.95	56	118889	20.555	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	91270	21.241	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94940	20.669	ug/l	100
37) Ethyl Acetate	7.25	43	41608	19.964	ug/l	99
38) Carbon Tetrachloride	8.07	117	84998	20.874	ug/l	97

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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	9.33	83	124030	20.841	ug/l	97
40) Benzene	8.32	78	266934	20.818	ug/l	100
41) Methacrylonitrile	7.48	41	20396	17.210	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	67586	20.854	ug/l	100
43) Isopropyl Acetate	8.42	43	74229	19.714	ug/l	100
44) Trichloroethene	9.09	130	75758	20.711	ug/l	100
45) 1,2-Dichloropropane	9.37	63	64359	20.912	ug/l	94
46) Dibromomethane	9.46	93	31441	20.507	ug/l	98
47) Bromodichloromethane	9.64	83	77604	20.362	ug/l	95
48) Methyl methacrylate	9.43	41	37615	20.281	ug/l	97
49) 1,4-Dioxane	9.46	88	11280	419.002	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	190668	96.320	ug/l	100
52) Toluene	10.38	92	172071	20.833	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	80980	20.448	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100809	21.011	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	48329	21.001	ug/l	94
56) Ethyl methacrylate	10.65	69	62532	20.175	ug/l	98
57) 1,3-Dichloropropane	10.93	76	81181	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142266	97.290	ug/l	99
59) 2-Hexanone	10.97	43	130495	96.136	ug/l	99
60) Dibromochloromethane	11.13	129	54071	20.431	ug/l	96
61) 1,2-Dibromoethane	11.23	107	45544	20.807	ug/l	96
64) Tetrachloroethene	10.86	164	65272	20.327	ug/l	96
65) Chlorobenzene	11.66	112	177483	20.473	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	60794	20.188	ug/l	98
67) Ethyl Benzene	11.73	91	323557	20.420	ug/l	98
68) m/p-Xylenes	11.84	106	250601	41.567	ug/l	98
69) o-Xylene	12.16	106	116663	20.944	ug/l	98
70) Styrene	12.18	104	197986	20.701	ug/l	99
71) Bromoform	12.35	173	33029	19.991	ug/l #	100
73) Isopropylbenzene	12.46	105	323971	20.567	ug/l	98
74) N-amyl acetate	12.27	43	66417	19.279	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53144	19.794	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67705	36.967	ug/l #	100
77) Bromobenzene	12.74	156	76477	20.483	ug/l	99
78) n-propylbenzene	12.80	91	375067	20.591	ug/l	99
79) 2-Chlorotoluene	12.89	91	209590	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270448	20.664	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17324	19.336	ug/l	94
82) 4-Chlorotoluene	12.99	91	220335	20.802	ug/l	99
83) tert-Butylbenzene	13.21	119	241197	20.751	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	267044	20.630	ug/l	100
85) sec-Butylbenzene	13.38	105	328645	20.464	ug/l	100
86) p-Isopropyltoluene	13.50	119	308439	20.903	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	146828	20.740	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147317	21.241	ug/l	99
89) n-Butylbenzene	13.82	91	277986	20.855	ug/l	99
90) Hexachloroethane	14.09	117	51690	20.473	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	130746	20.917	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8251	19.277	ug/l	94

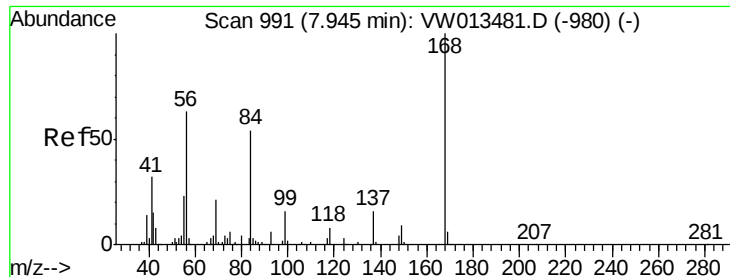
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92330	20.900	ug/l	100
94) Hexachlorobutadiene	15.23	225	62116	21.159	ug/l	98
95) Naphthalene	15.36	128	151475	19.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	80946	20.954	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

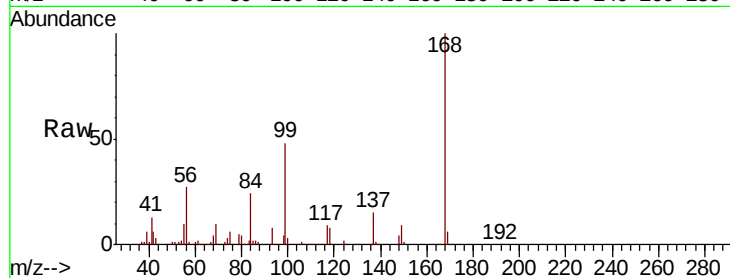
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 357774

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

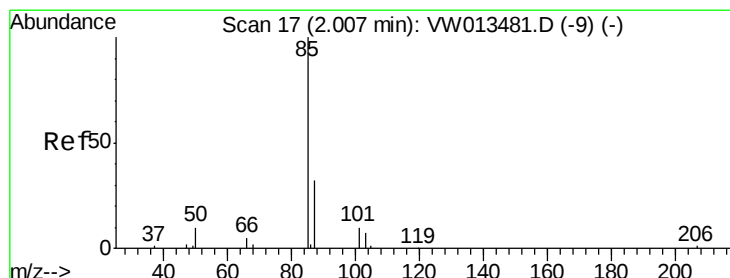
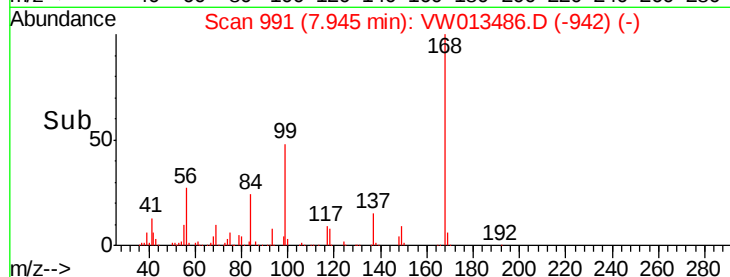
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.164 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013486.D

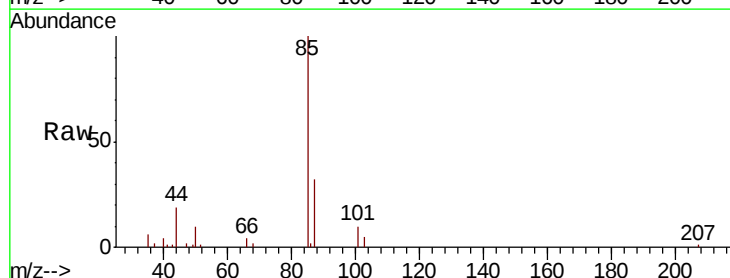
Acq: 08 Oct 2019 15:01

Tgt Ion: 85 Resp: 27452

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

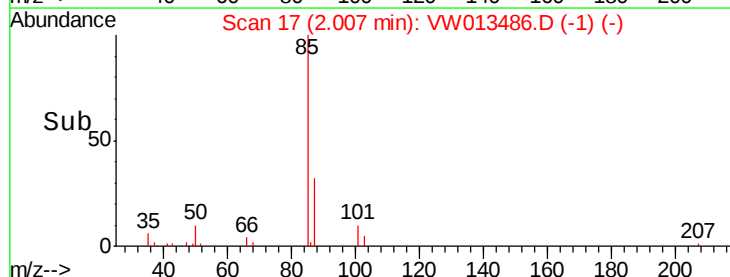
6000

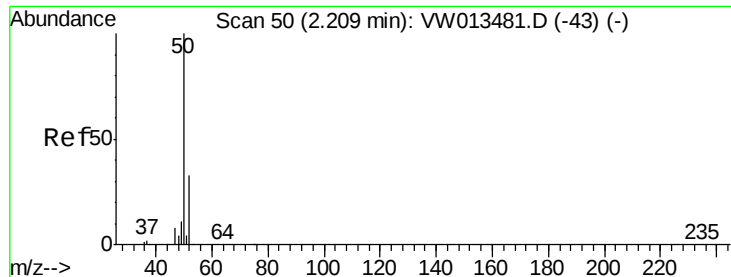
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.393 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

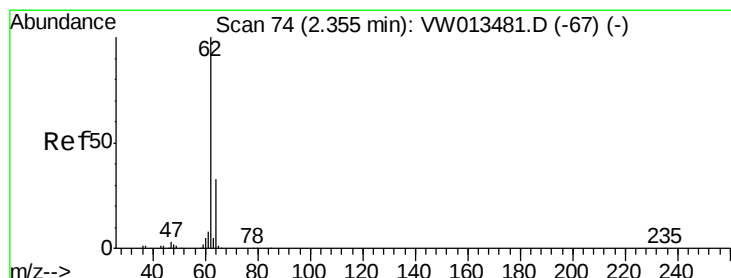
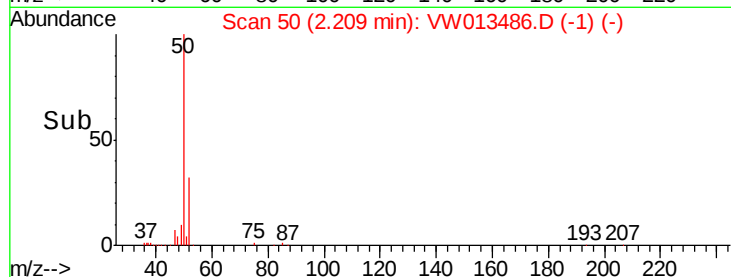
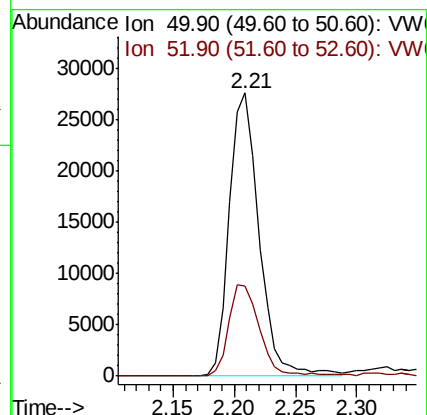
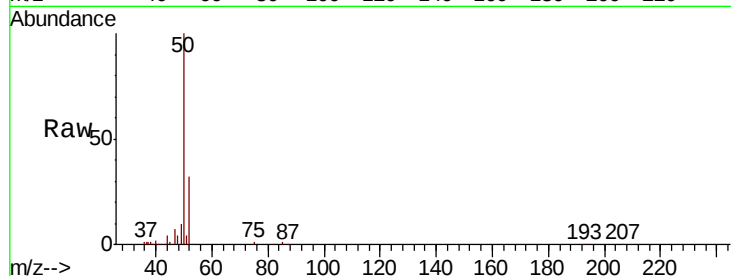
ClientSampleId :

Tot Ion: 50 Resp: 46648

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



#4

Vinyl Chloride

Concen: 21.107 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013486.D

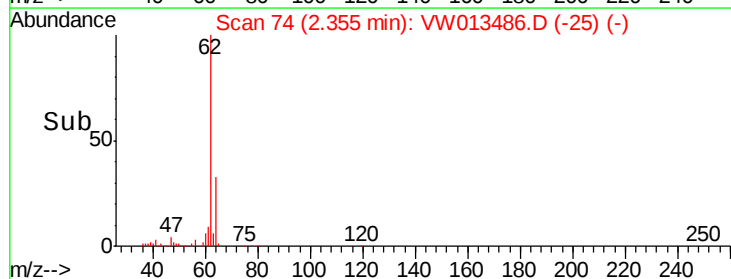
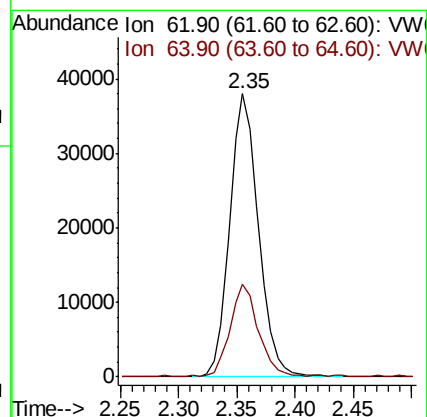
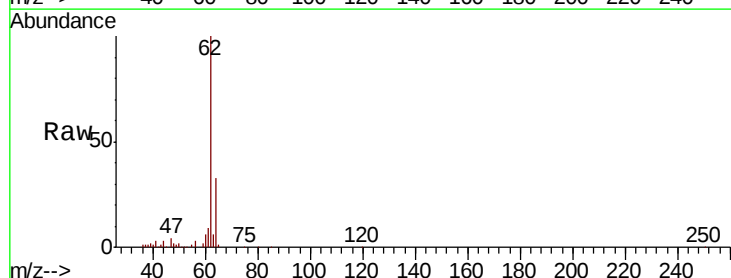
Acq: 08 Oct 2019 15:01

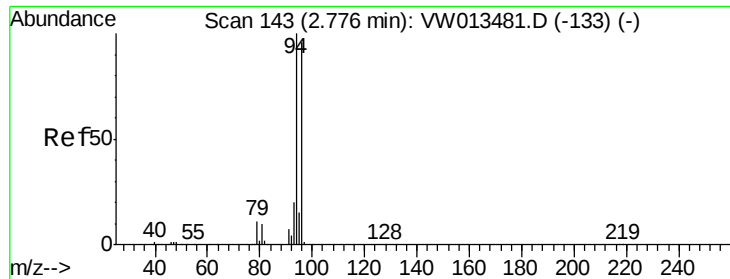
Tgt Ion: 62 Resp: 64855

Ion Ratio Lower Upper

62 100

64 32.4 26.6 39.8





#5

Bromomethane

Concen: 21.062 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

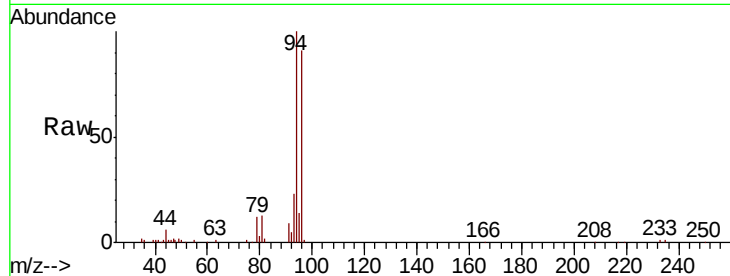
ClientSampleId :

Tot Ion: 94 Resp: 38615

Ion Ratio Lower Upper

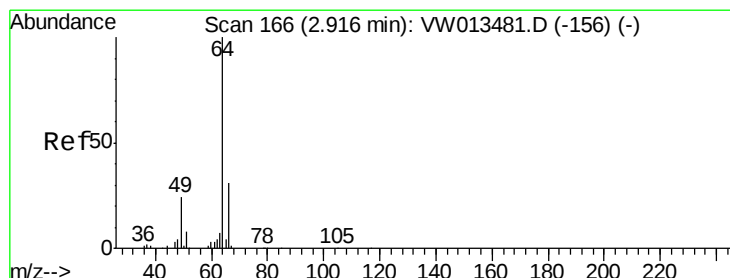
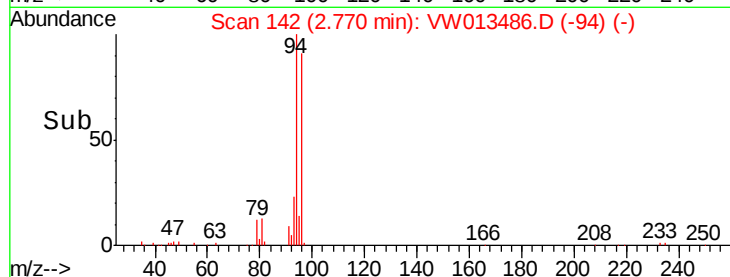
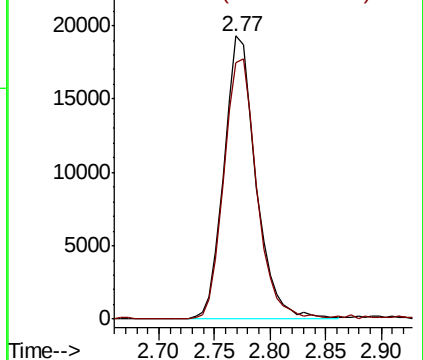
94 100

96 90.5 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.927 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013486.D

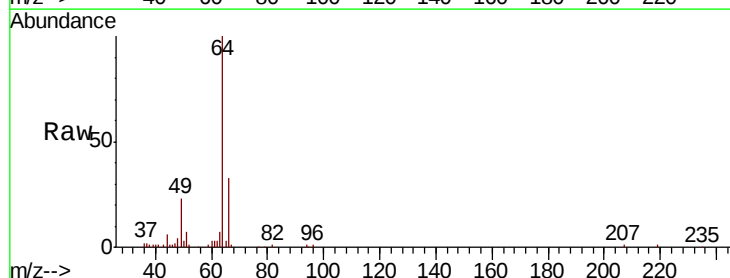
Acq: 08 Oct 2019 15:01

Tgt Ion: 64 Resp: 34385

Ion Ratio Lower Upper

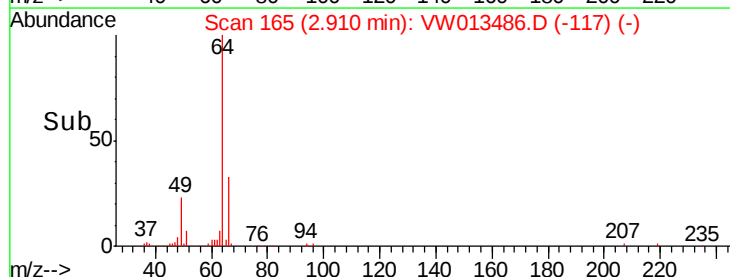
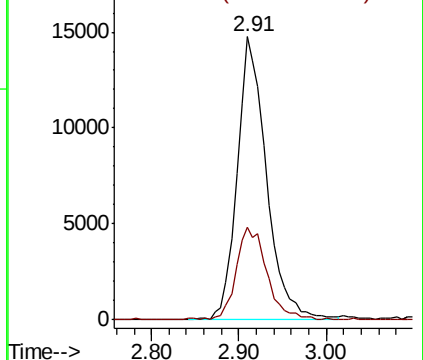
64 100

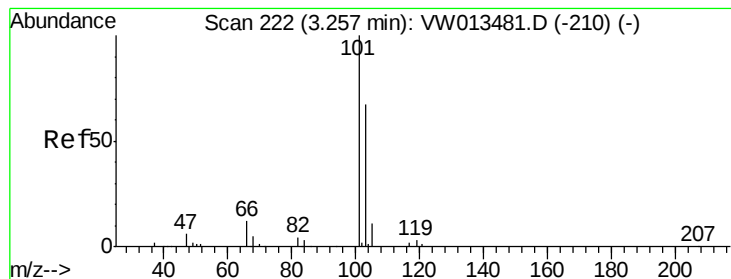
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



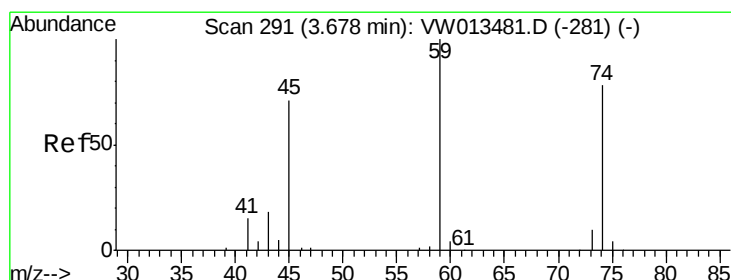
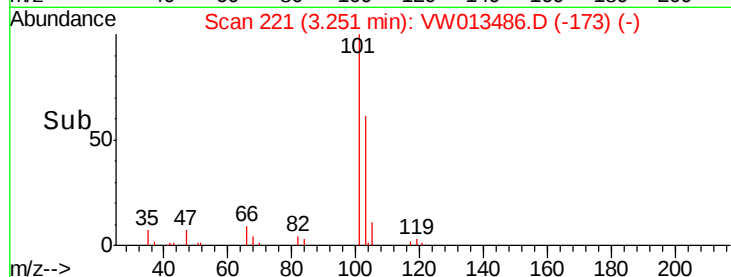
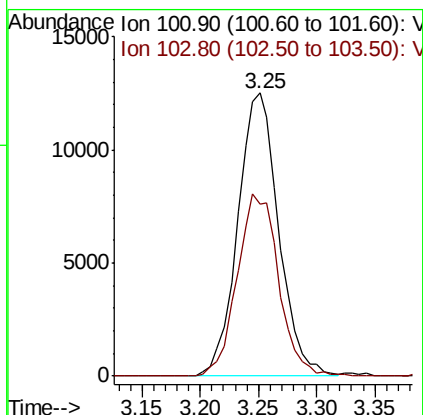
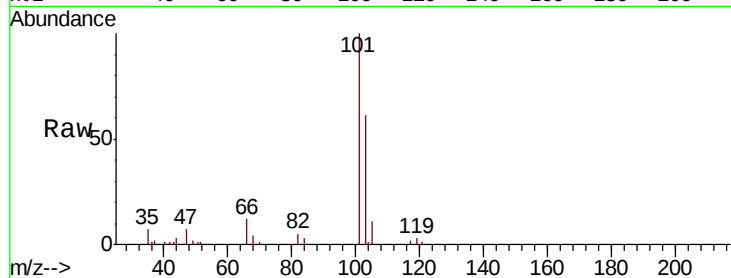


#7

Trichlorofluoromethane
 Concen: 21.039 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :

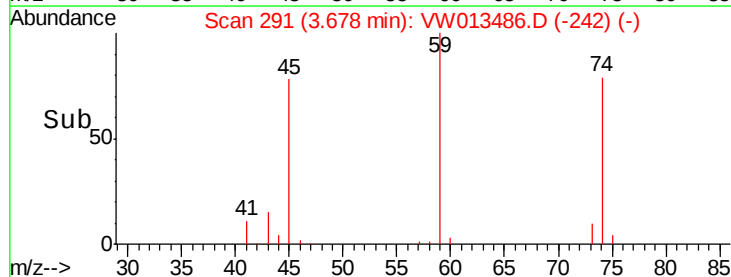
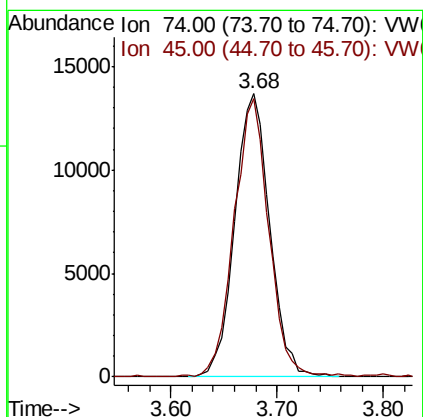
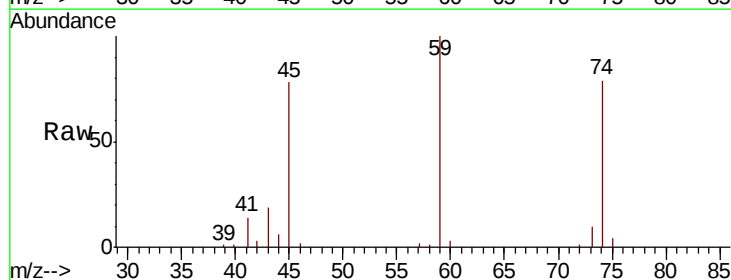
Tot Ion:101 Resp: 30586
 Ion Ratio Lower Upper
 101 100
 103 60.8 53.7 80.5

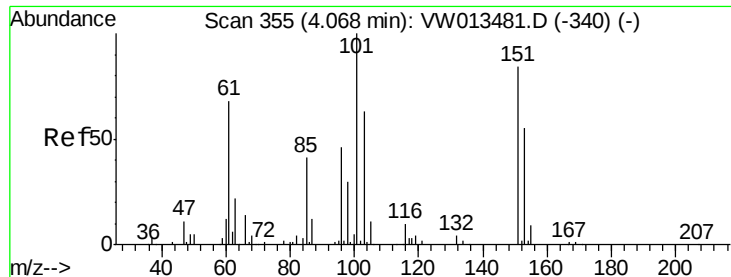


#8

Diethyl Ether
 Concen: 20.964 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 74 Resp: 31546
 Ion Ratio Lower Upper
 74 100
 45 98.1 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.739 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

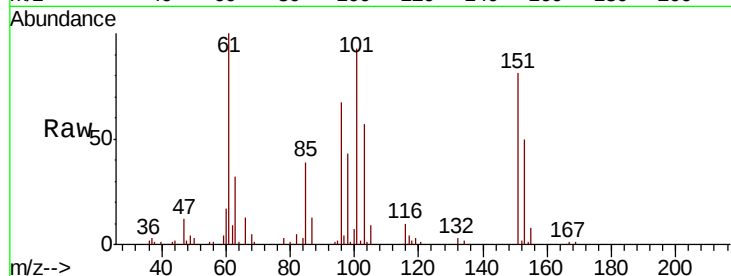
Tot Ion:101 Resp: 59143

Ion Ratio Lower Upper

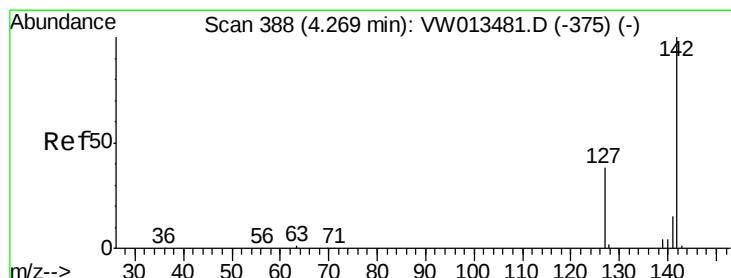
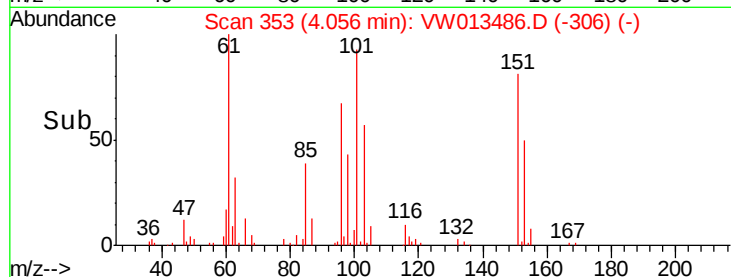
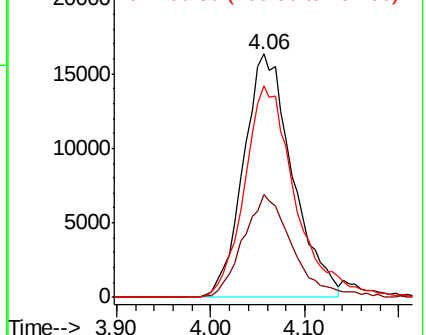
101 100

85 42.8 31.6 47.4

151 90.3 67.5 101.3



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



#10

Methyl Iodide

Concen: 20.380 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

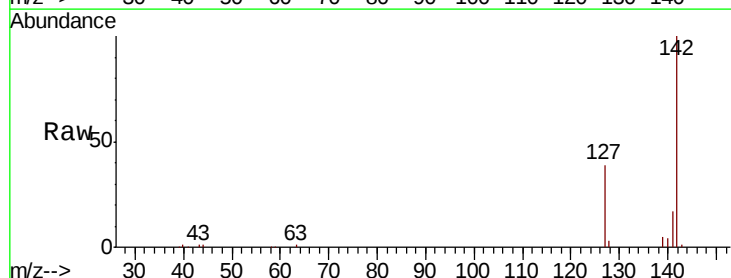
Tgt Ion:142 Resp: 96696

Ion Ratio Lower Upper

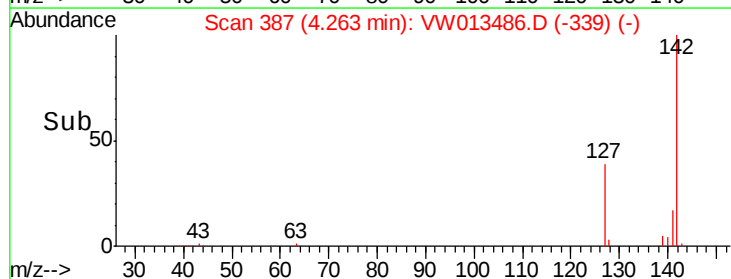
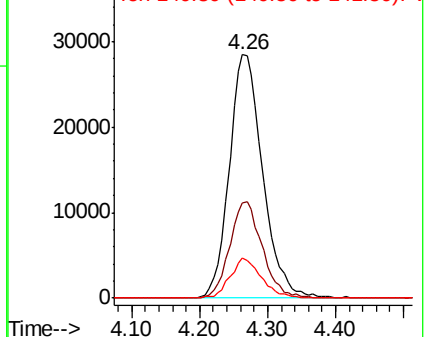
142 100

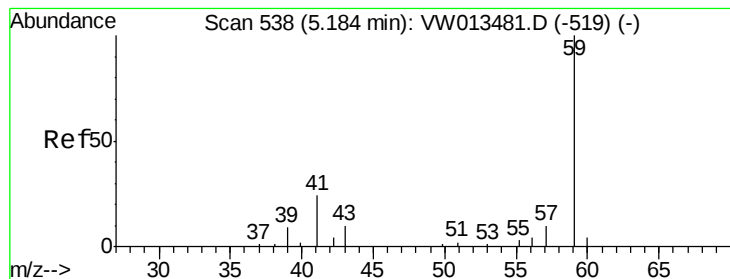
127 38.5 29.6 44.4

141 15.2 12.1 18.1



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



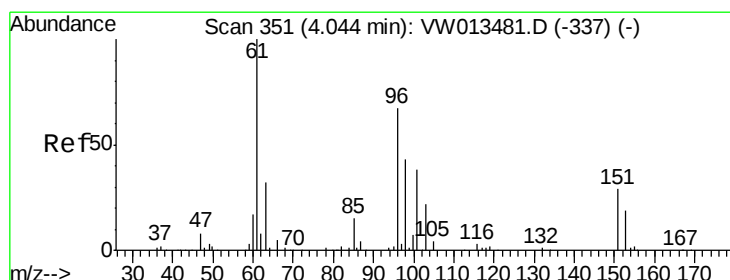
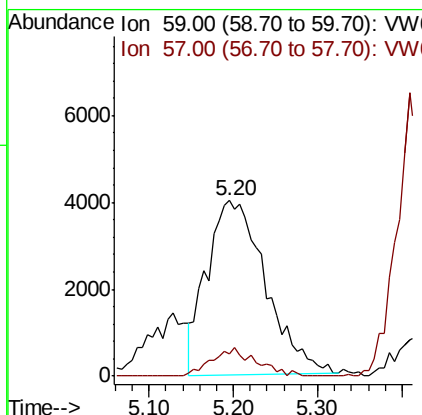
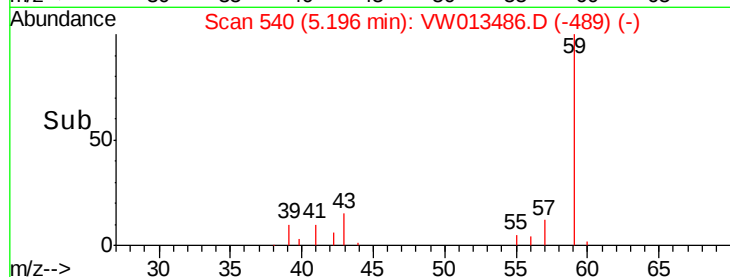
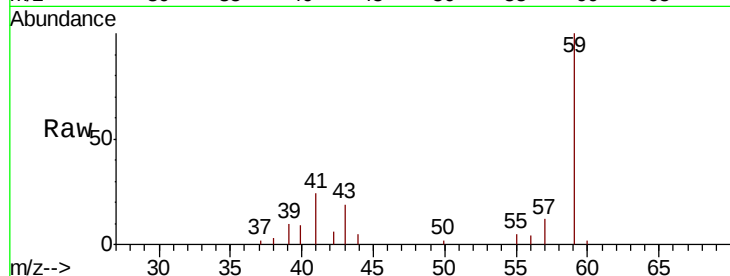


#11

Tert butyl alcohol
 Concen: 78.788 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :

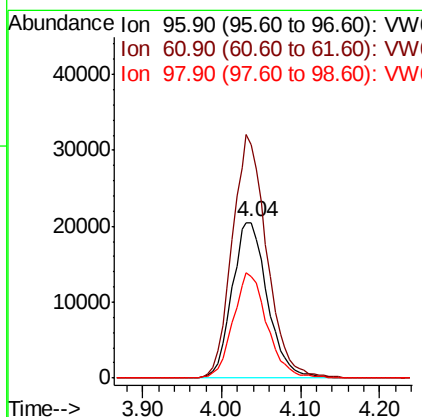
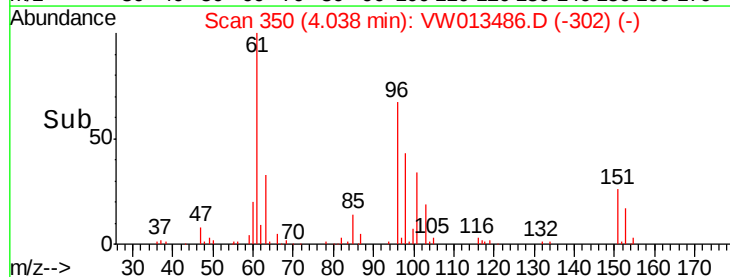
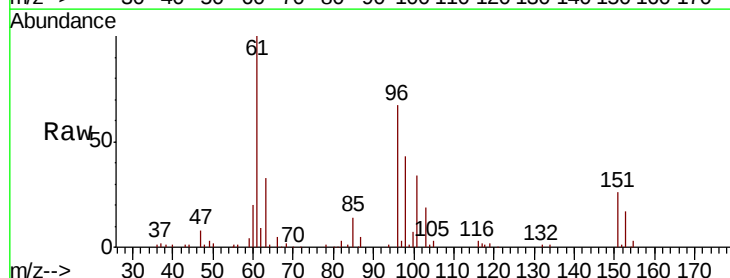
Tot Ion: 59 Resp: 19176
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.2 12.4

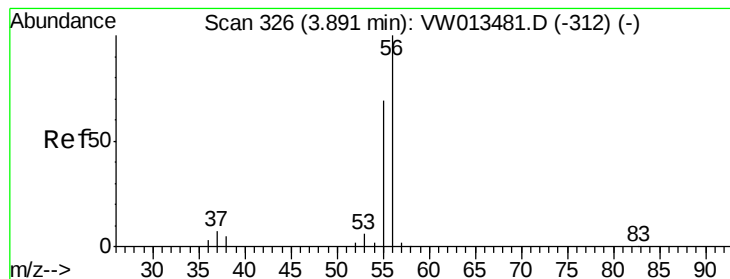


#12

1,1-Dichloroethene
 Concen: 20.621 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 96 Resp: 64033
 Ion Ratio Lower Upper
 96 100
 61 149.9 119.4 179.0
 98 64.9 51.1 76.7





#13

Acrolein

Concen: 105.597 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

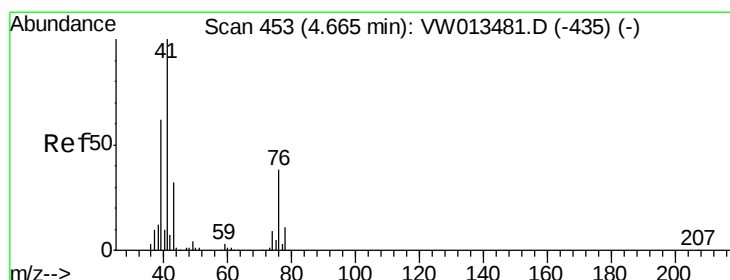
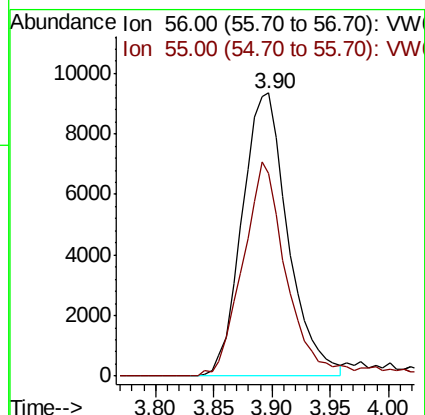
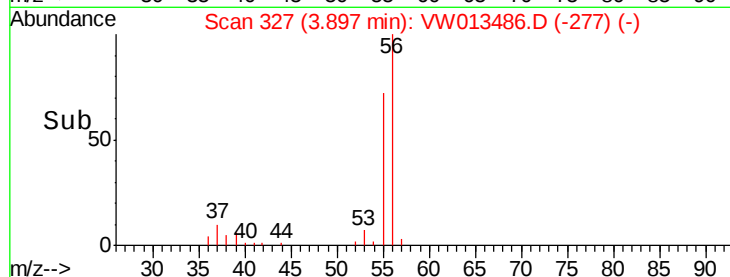
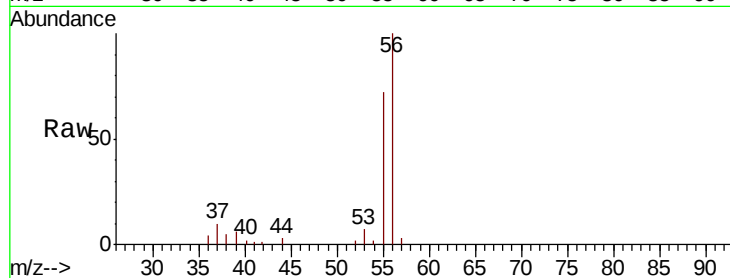
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 25596

Ion Ratio Lower Upper

56 100

55 71.3 55.9 83.9



#14

Allyl chloride

Concen: 20.642 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

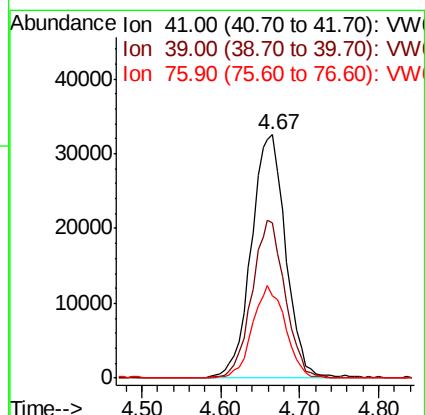
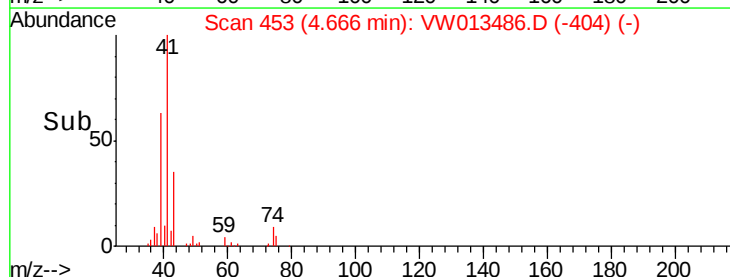
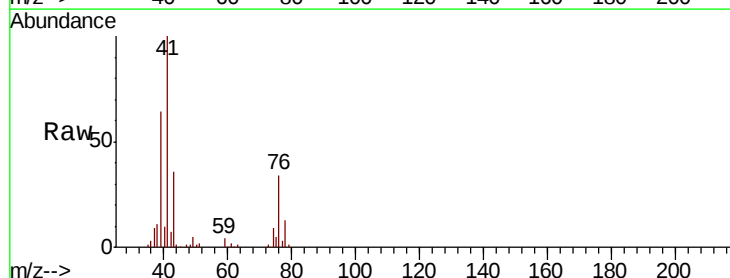
Tgt Ion: 41 Resp: 98500

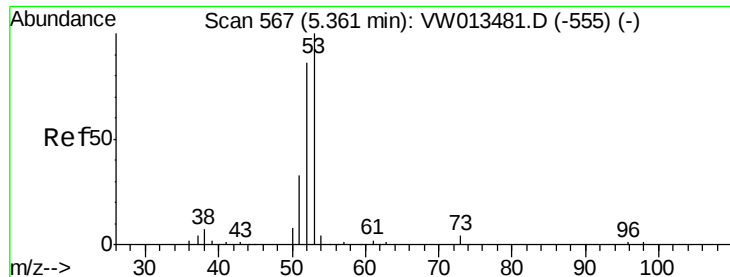
Ion Ratio Lower Upper

41 100

39 62.5 50.1 75.1

76 36.3 29.0 43.4





#15

Acrylonitrile

Concen: 98.312 ug/l

RT: 5.37 min Scan# 568

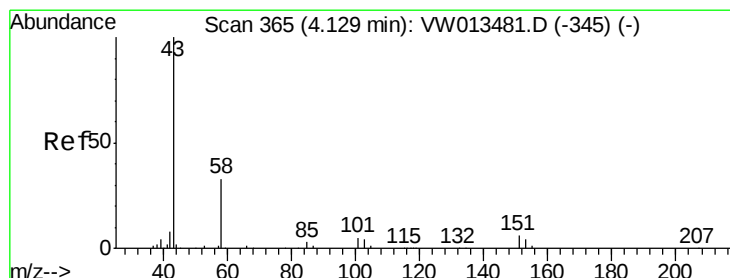
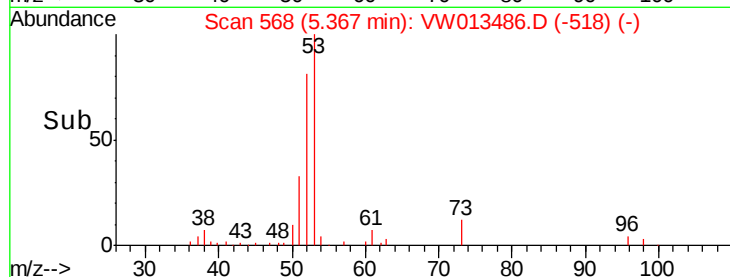
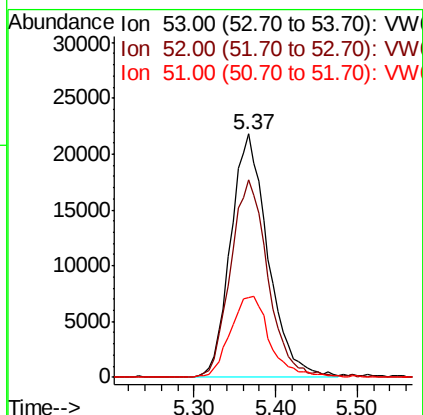
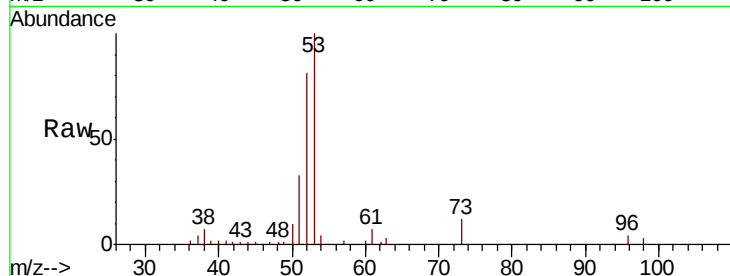
Delta R.T. 0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	69142
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.8
51	35.4	28.6	42.8



#16

Acetone

Concen: 91.390 ug/l

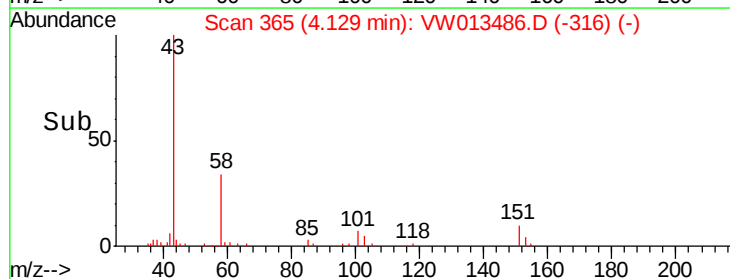
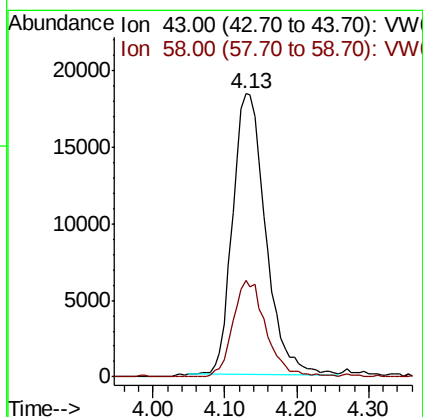
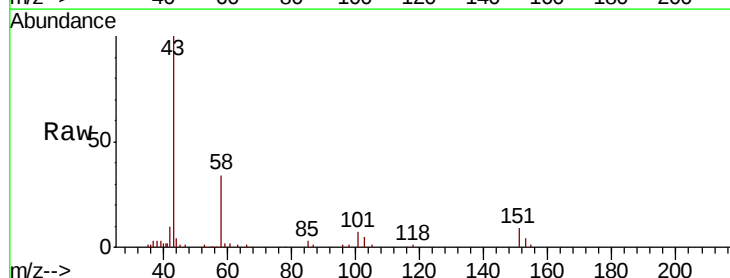
RT: 4.13 min Scan# 365

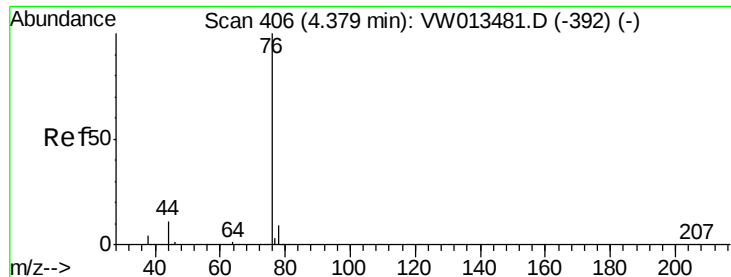
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	43	Resp:	58786
Ion	Ratio	Lower	Upper
43	100		
58	34.4	26.1	39.1

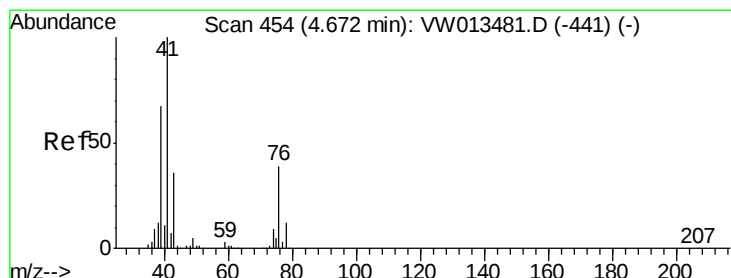
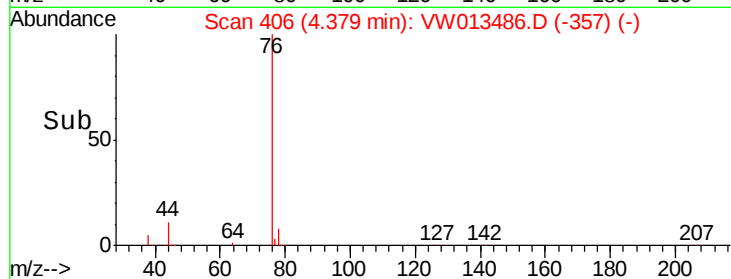
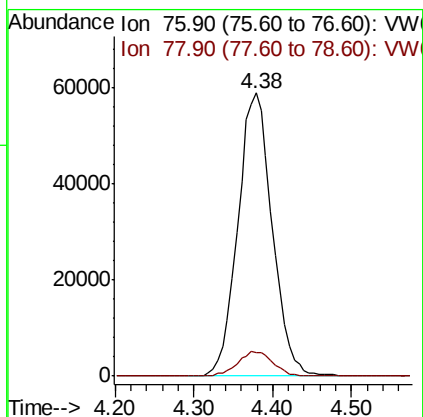
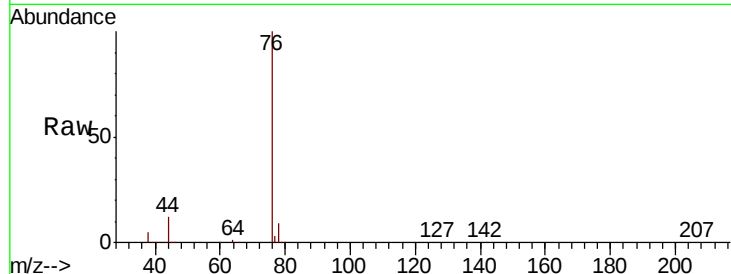




#17
Carbon Disulfide
Concen: 20.460 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

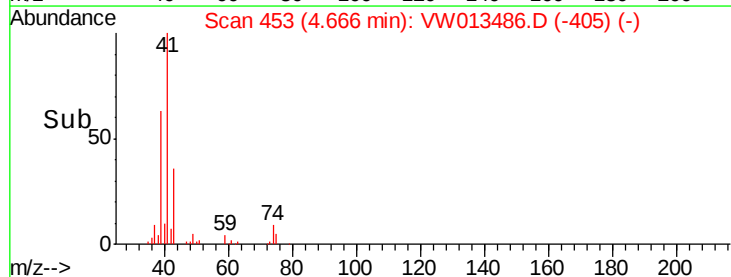
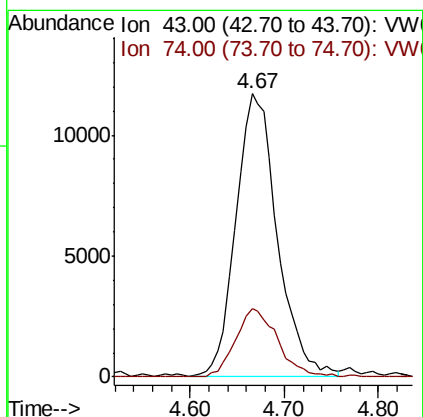
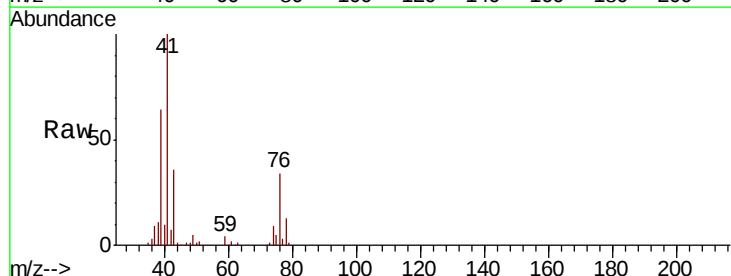
Instrument :
MSVOA_W
ClientSampleId :

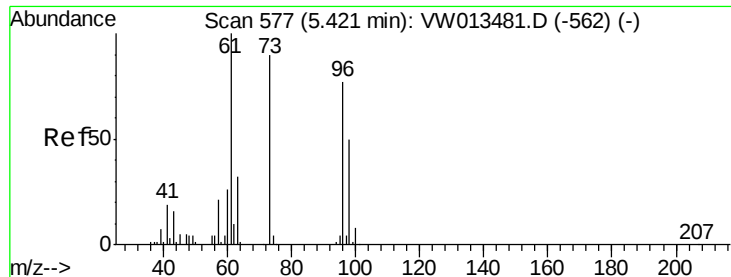
Tot Ion: 76 Resp: 178328
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 19.623 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 43 Resp: 36157
Ion Ratio Lower Upper
43 100
74 24.4 19.6 29.4

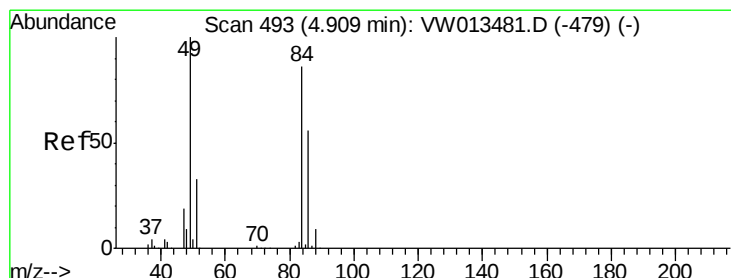
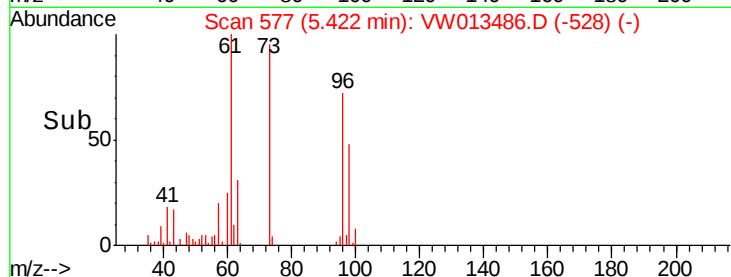
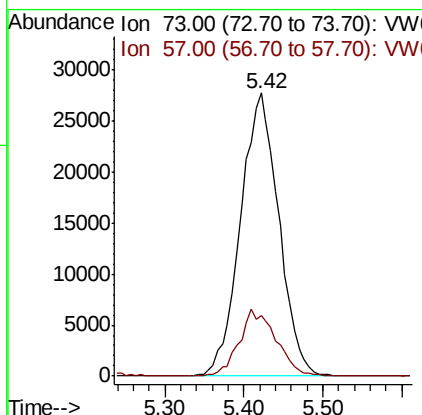
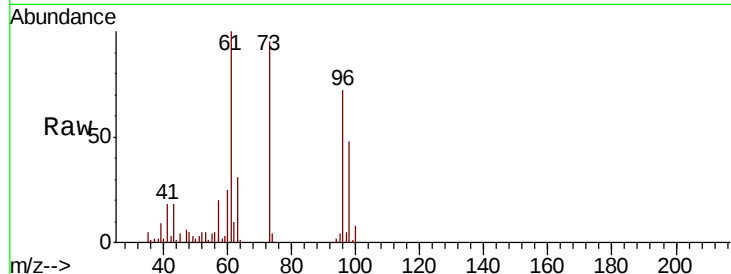




#19
Methvl tert-butvl Ether
Concen: 19.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

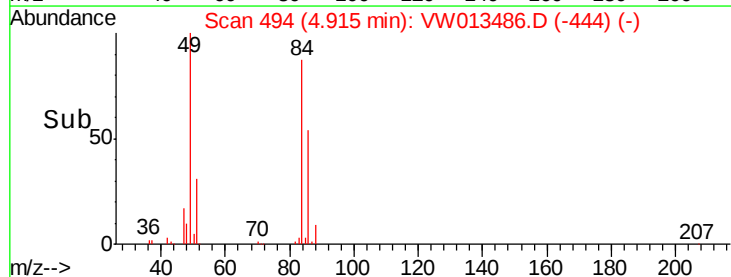
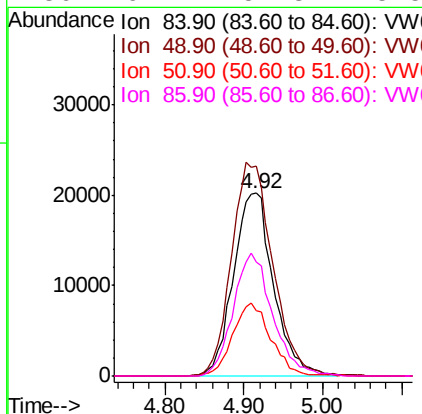
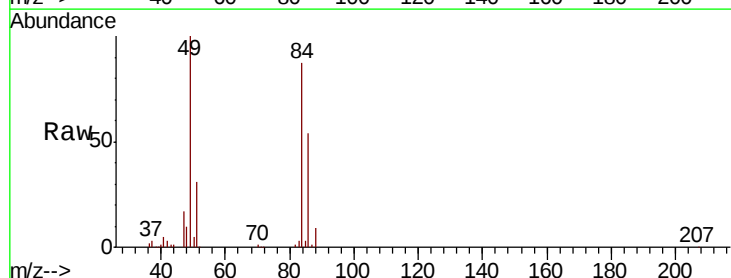
Instrument :
MSVOA_W
ClientSampled :

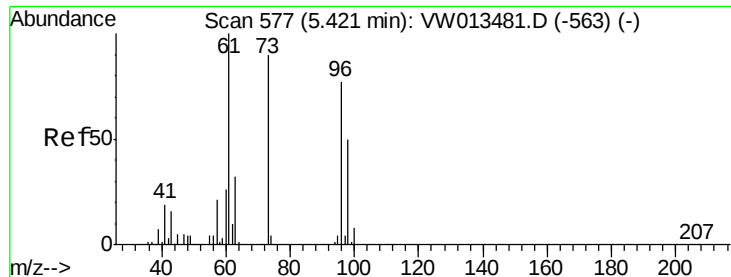
Tot Ion: 73 Resp: 93633
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 20.632 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 84 Resp: 71578
Ion Ratio Lower Upper
84 100
49 114.5 93.4 140.0
51 36.0 30.6 46.0
86 62.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.757 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

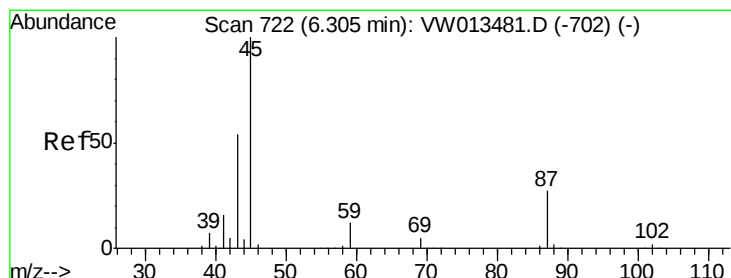
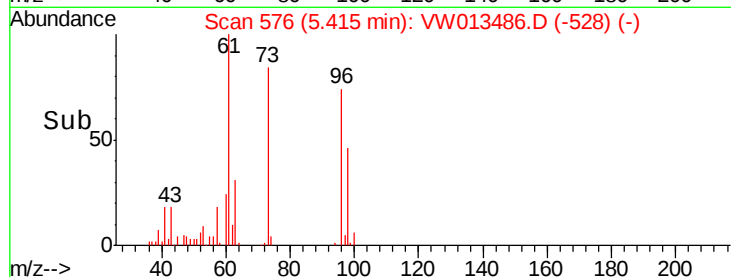
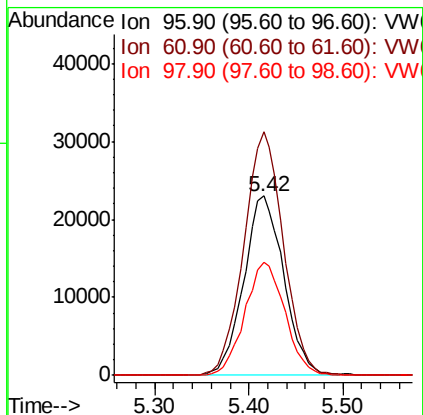
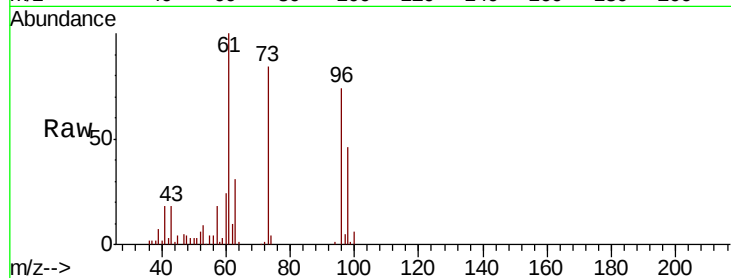
Tot Ion: 96 Resp: 68491

Ion Ratio Lower Upper

96 100

61 135.8 104.3 156.5

98 63.0 51.8 77.8



#22

Diisopropyl ether

Concen: 20.762 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion: 45 Resp: 185630

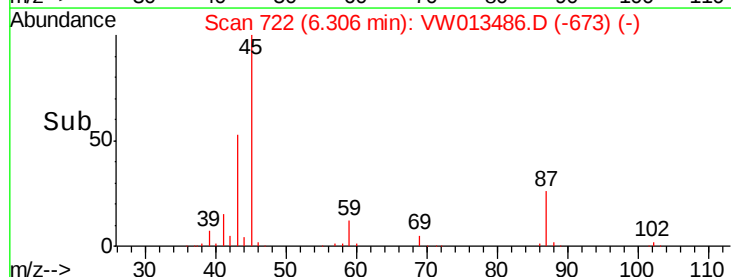
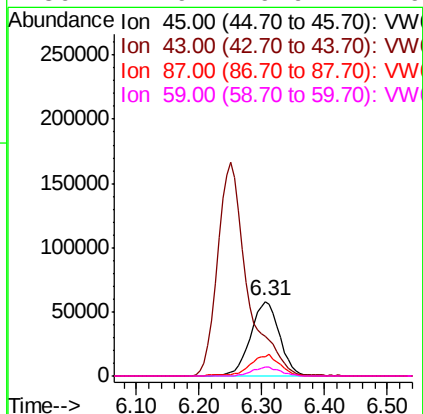
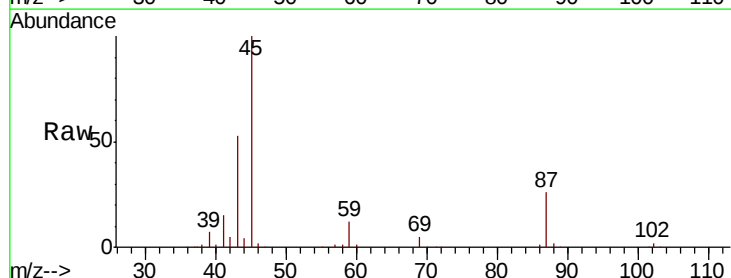
Ion Ratio Lower Upper

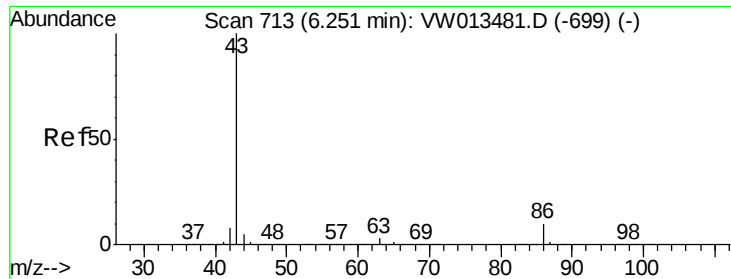
45 100

43 53.0 43.4 65.0

87 26.4 22.1 33.1

59 11.9 9.9 14.9

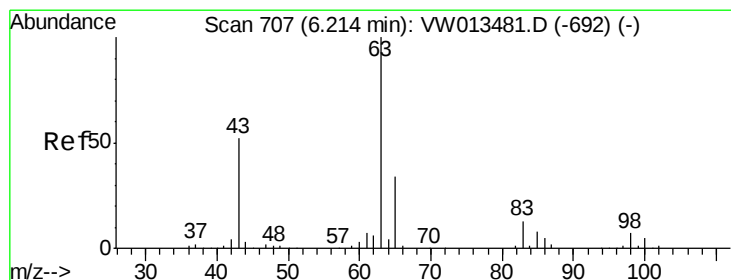
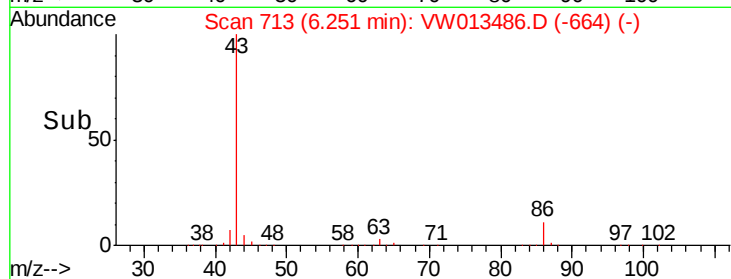
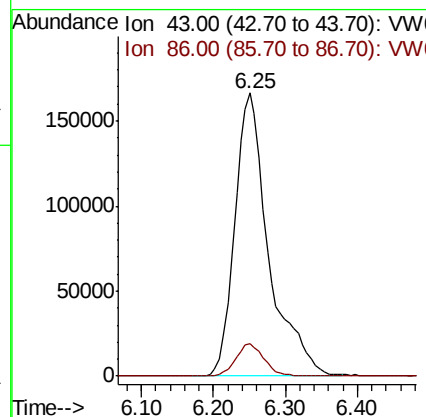
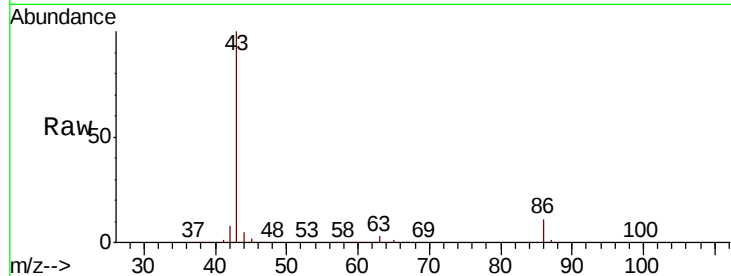




#23
 Vinyl Acetate
 Concen: 101.355 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

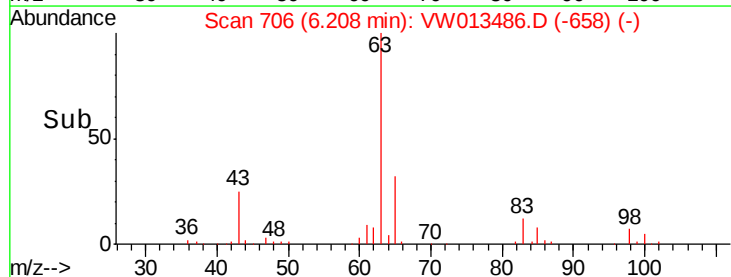
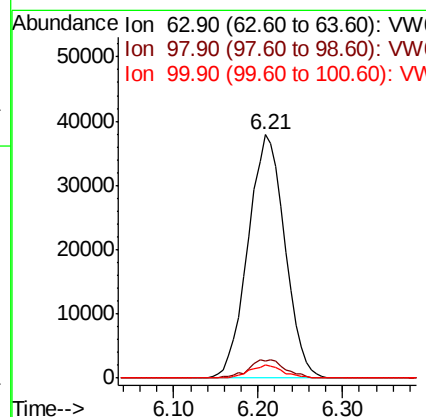
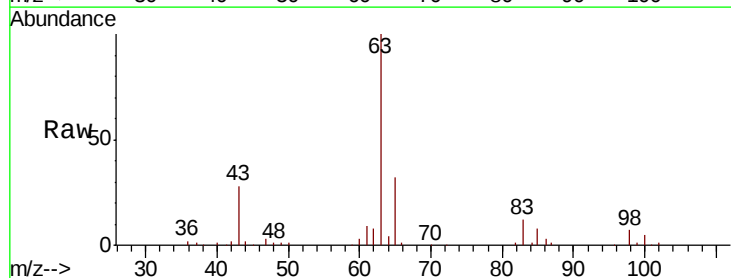
Instrument :
 MSVOA_W
 ClientSampleId :

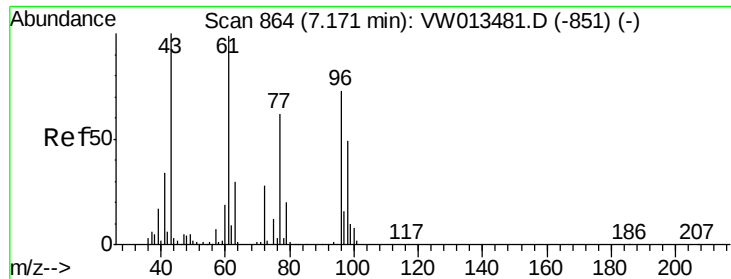
Tot Ion: 43 Resp: 544049
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.603 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 63 Resp: 112589
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.6
 100 5.3 2.3 6.8





#25

2-Butanone

Concen: 91.333 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

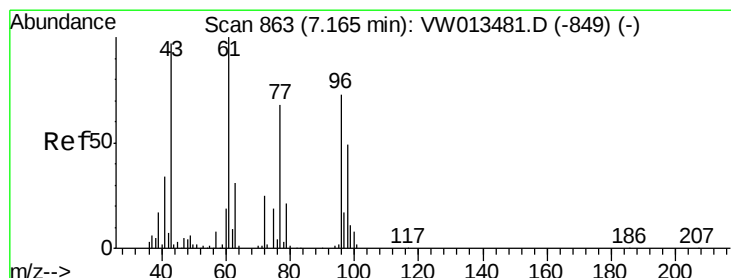
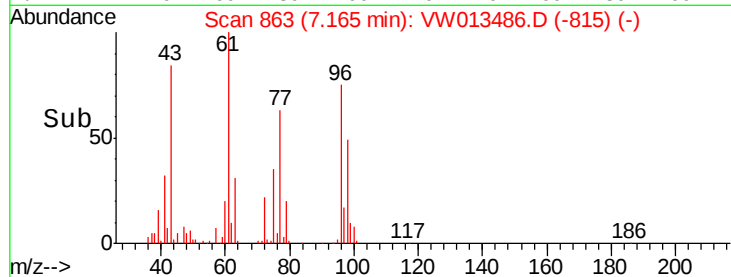
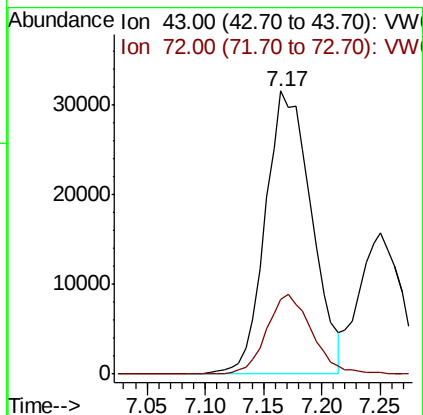
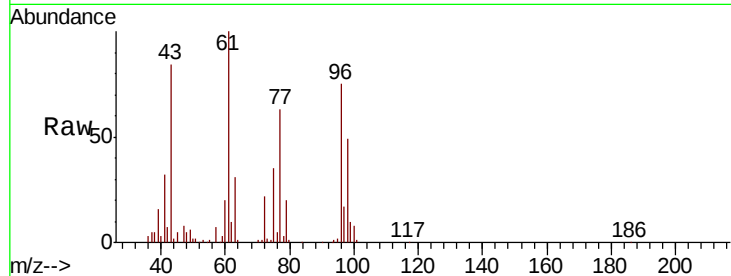
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 86582

Ion Ratio Lower Upper

43 100

72 26.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.275 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013486.D

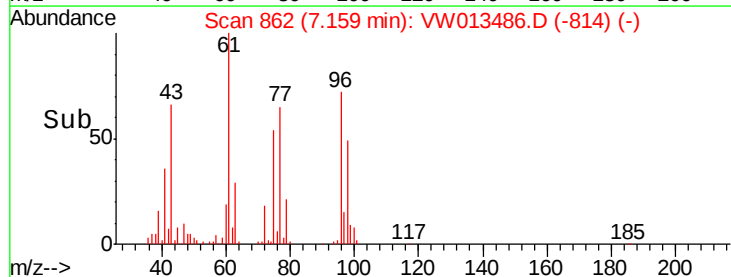
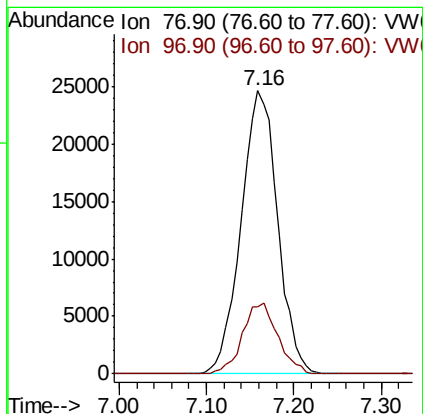
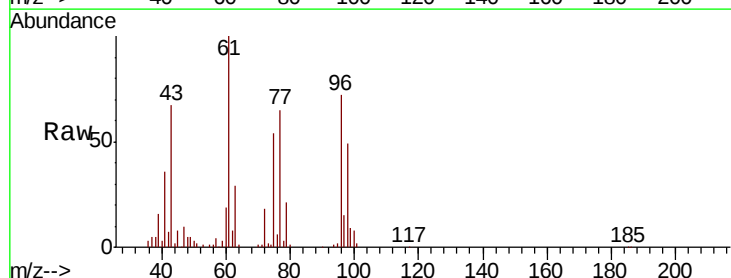
Acq: 08 Oct 2019 15:01

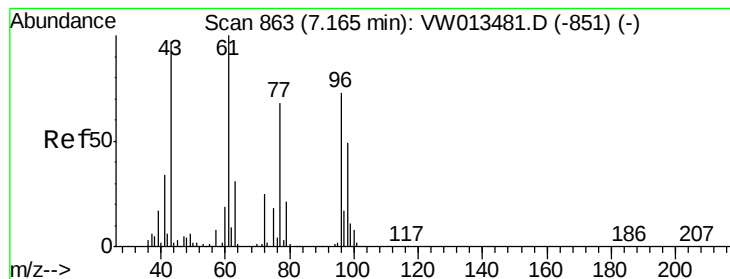
Tgt Ion: 77 Resp: 71425

Ion Ratio Lower Upper

77 100

97 24.1 12.6 37.6



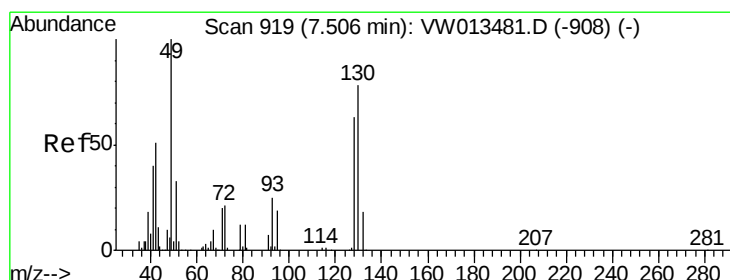
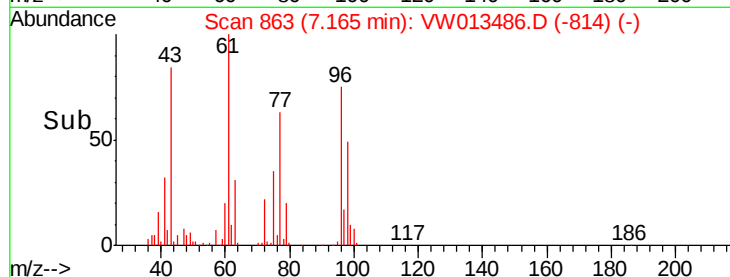
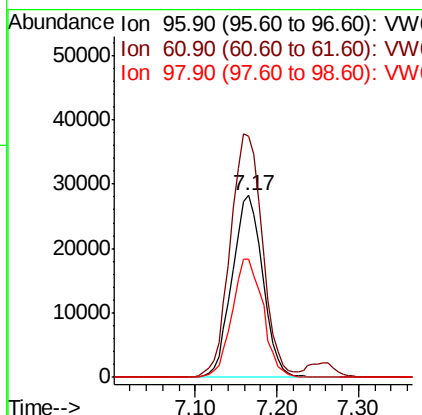
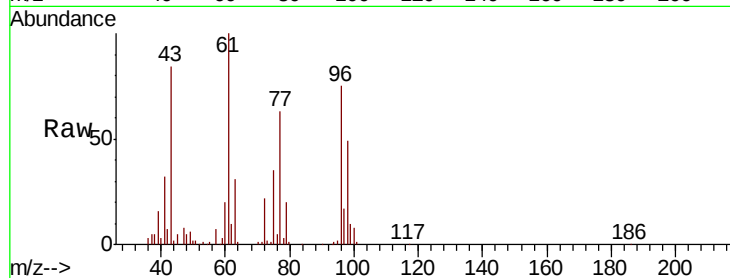


#27

cis-1,2-Dichloroethene
Concen: 21.009 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampled :

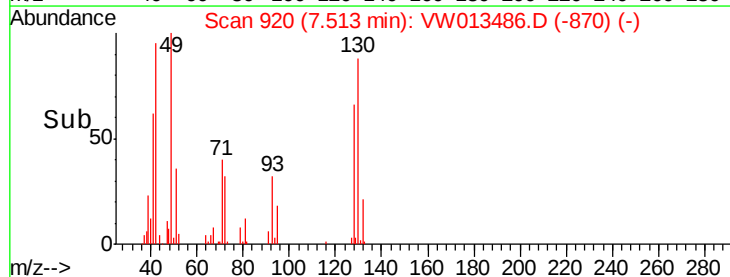
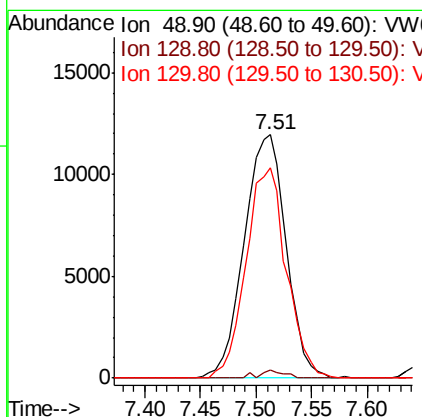
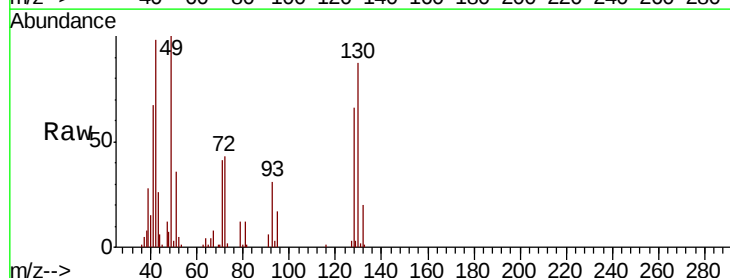
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	274.4
98	65.9	0.0	130.2

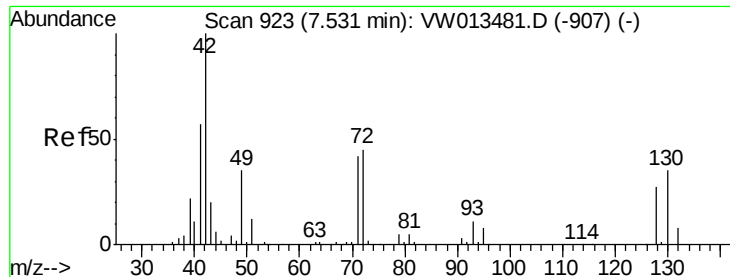


#28

Bromochloromethane
Concen: 16.490 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.6#
130	83.2	0.0	0.0#

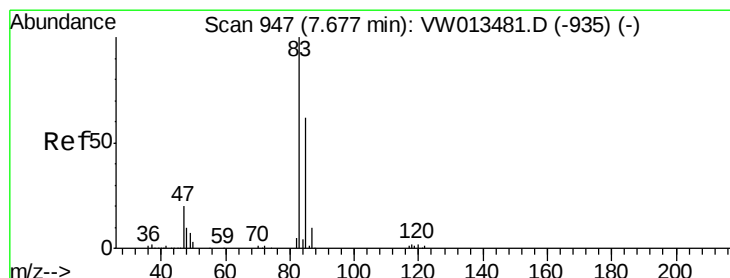
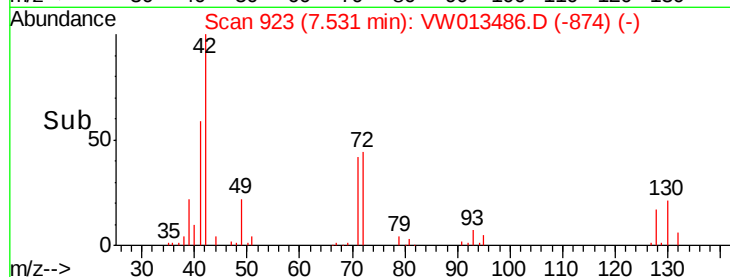
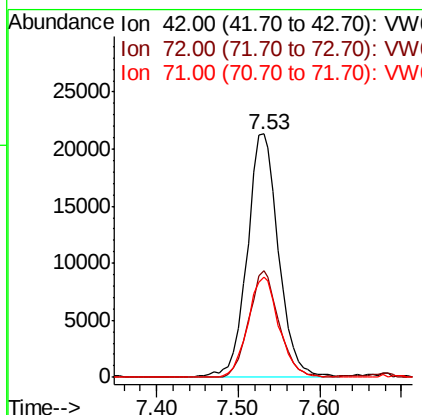
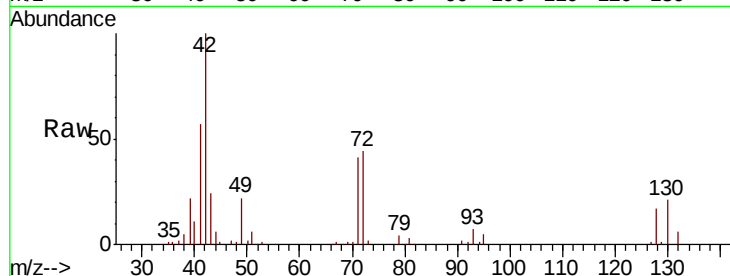




#29
Tetrahydrofuran
Concen: 99.000 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

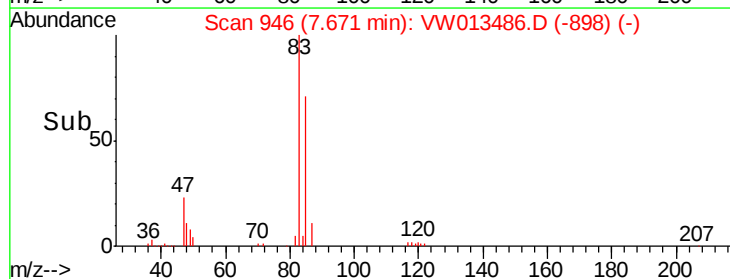
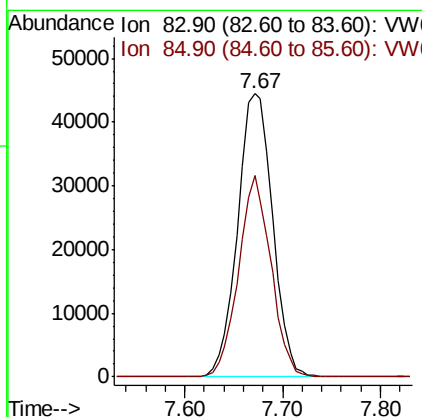
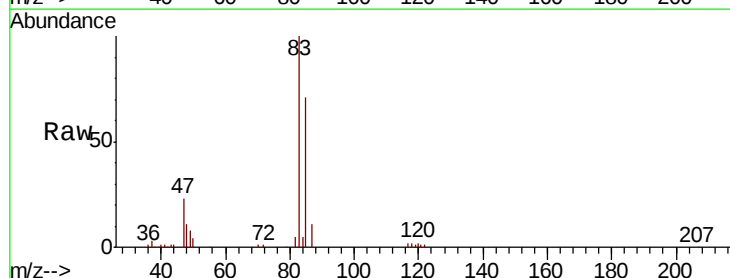
Instrument :
MSVOA_W
ClientSampled :

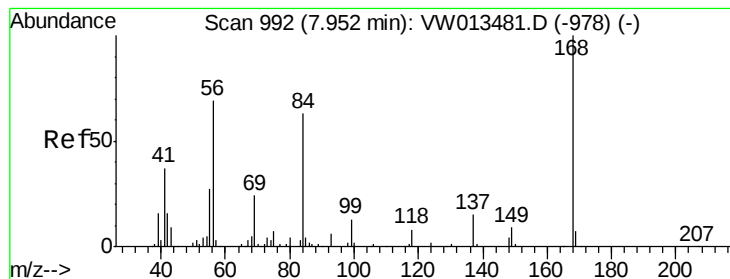
Tot Ion: 42 Resp: 57359
Ion Ratio Lower Upper
42 100
72 42.0 34.8 52.2
71 41.0 33.6 50.4



#30
Chloroform
Concen: 20.871 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 83 Resp: 110322
Ion Ratio Lower Upper
83 100
85 71.3 49.4 74.2





#31

Cyclohexane

Concen: 20.555 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

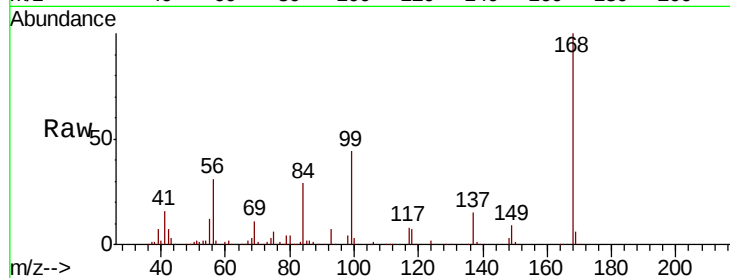
Tot Ion: 56 Resp: 118889

Ion Ratio Lower Upper

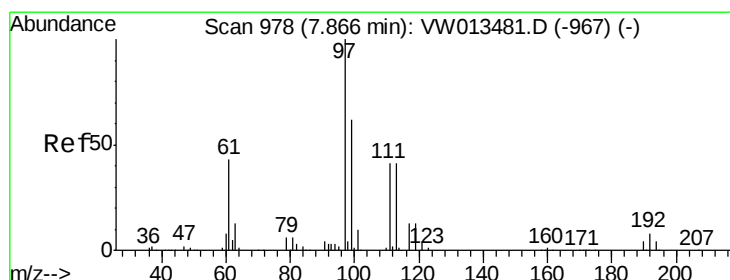
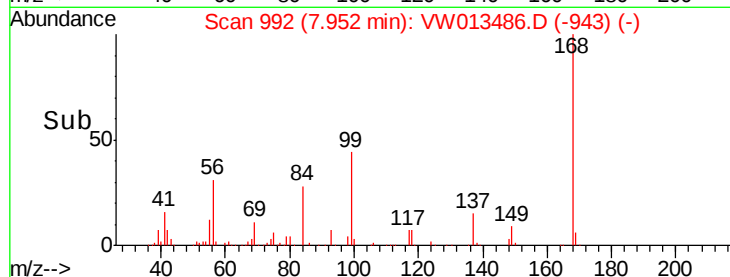
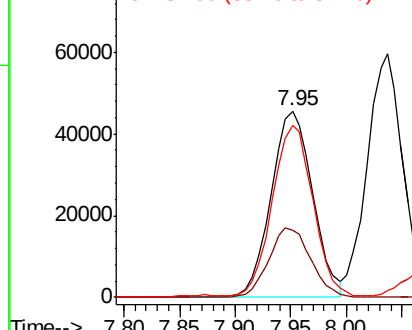
56 100

69 35.9 28.0 42.0

84 90.9 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 21.241 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

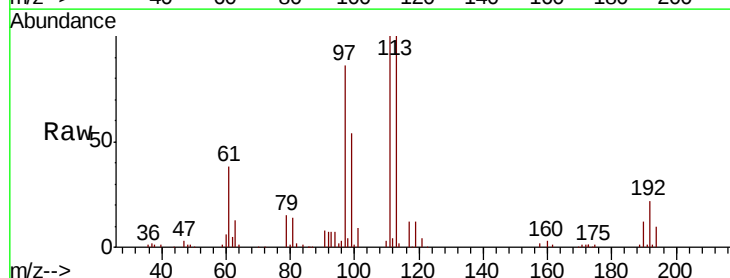
Tgt Ion: 97 Resp: 91270

Ion Ratio Lower Upper

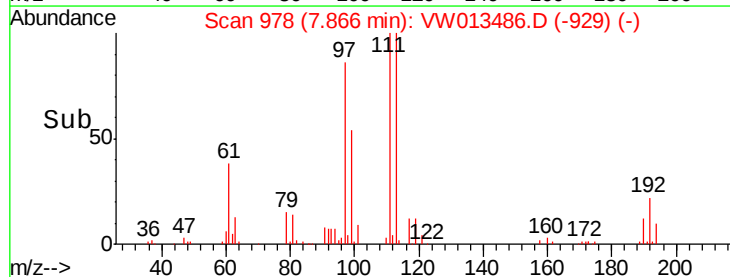
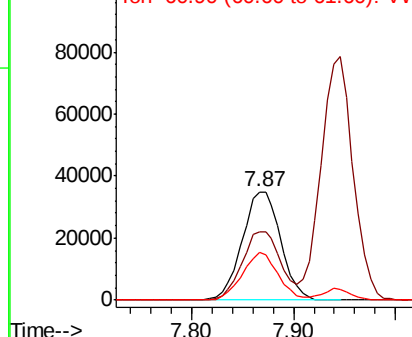
97 100

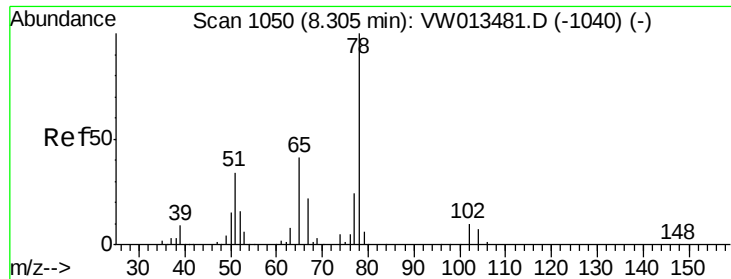
99 64.0 52.3 78.5

61 40.8 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 49.223 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

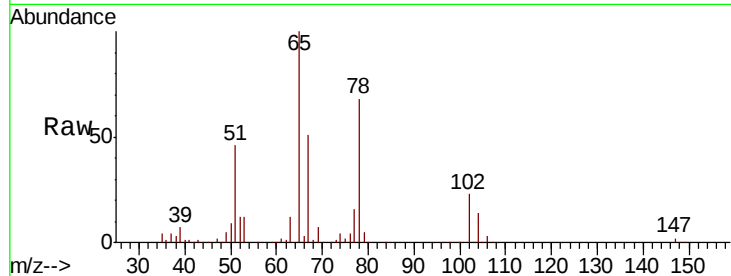
ClientSampleId :

Tot Ion: 65 Resp: 136060

Ion Ratio Lower Upper

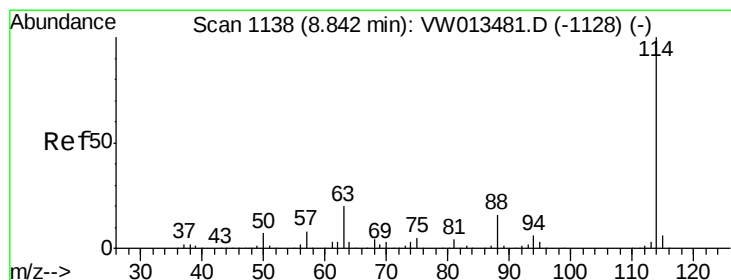
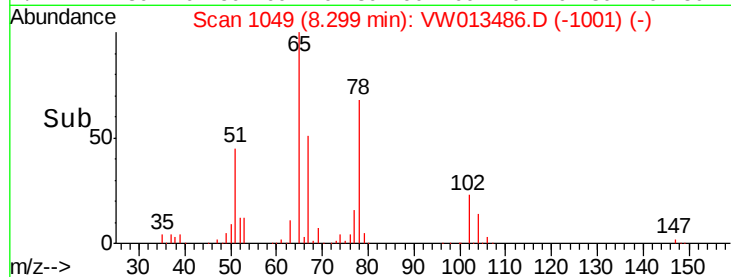
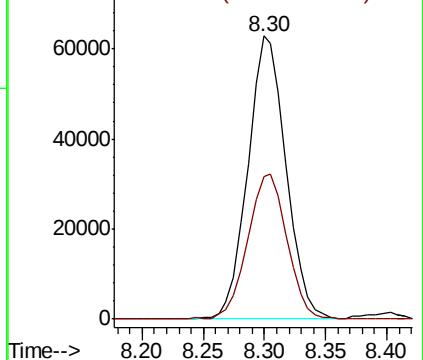
65 100

67 52.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

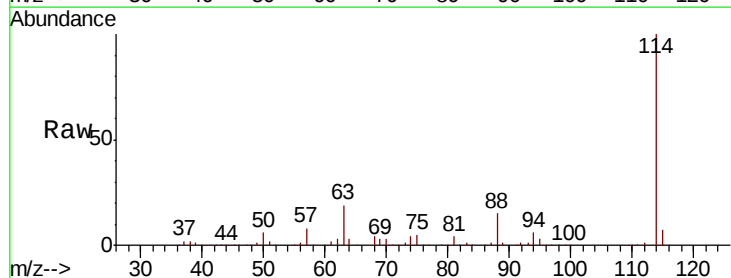
Tgt Ion: 114 Resp: 507768

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

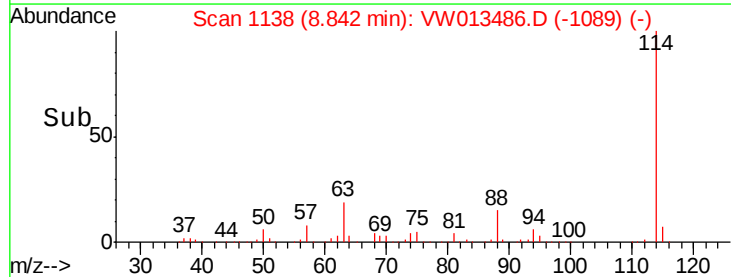
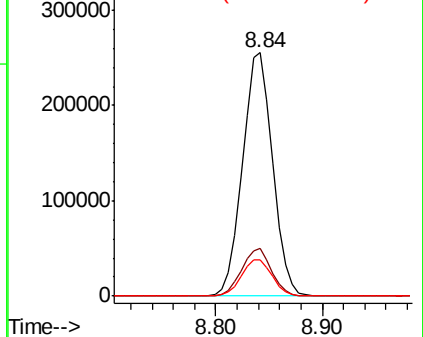
88 14.9 0.0 31.4

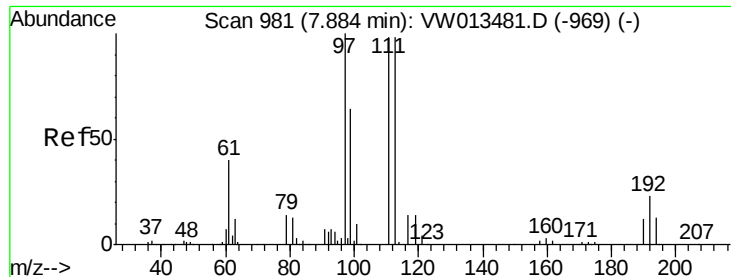


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

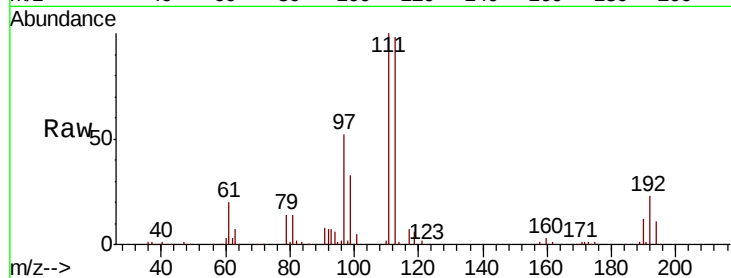




#35
 Dibromofluoromethane
 Concen: 48.647 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	24.3	19.3	28.9

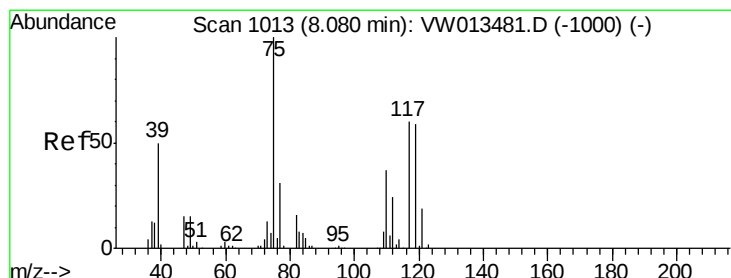
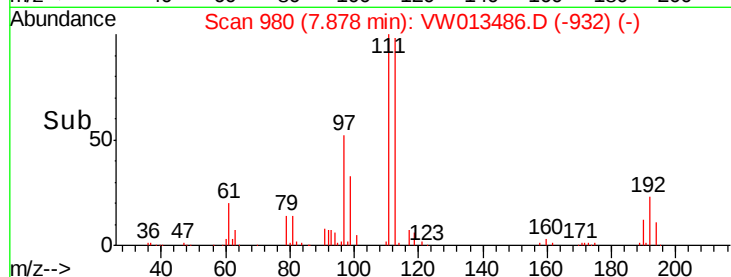
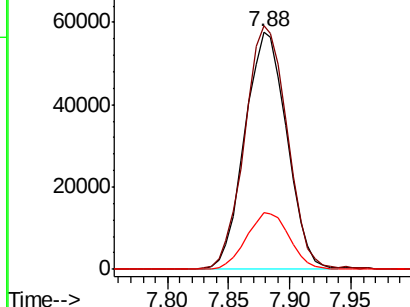


Abundance

Ion 112.80 (112.50 to 113.50): V

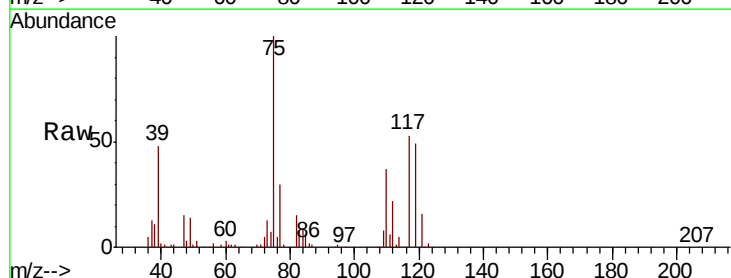
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.669 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.4	55.2
77	31.5	25.0	37.4

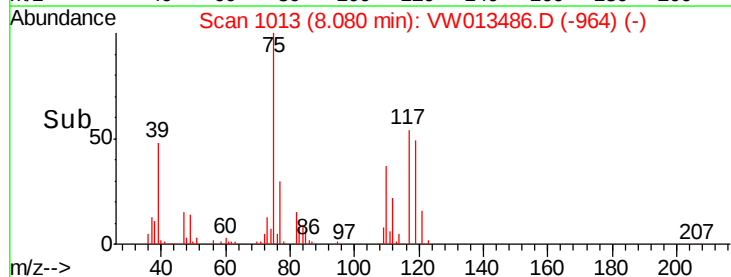
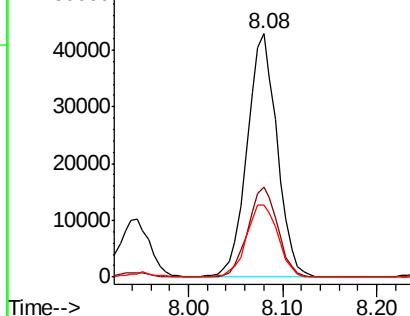


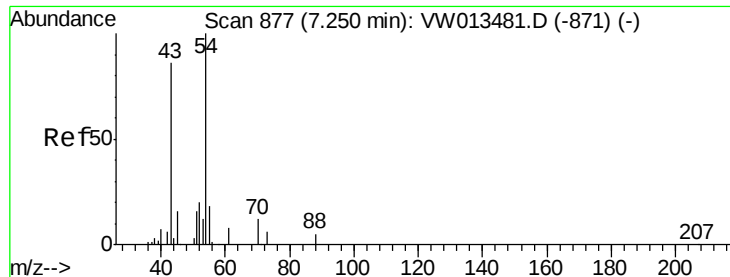
Abundance

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

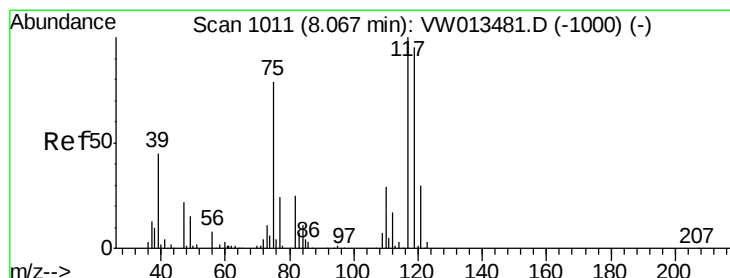
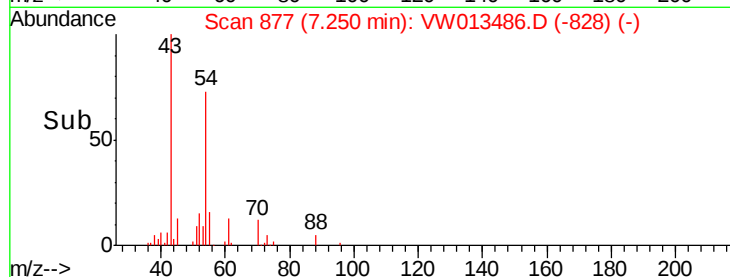
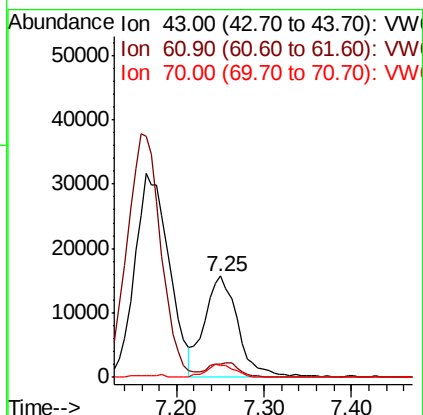
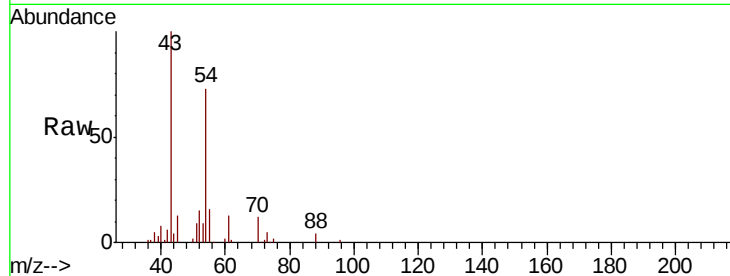




#37
Ethyl Acetate
Concen: 19.964 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

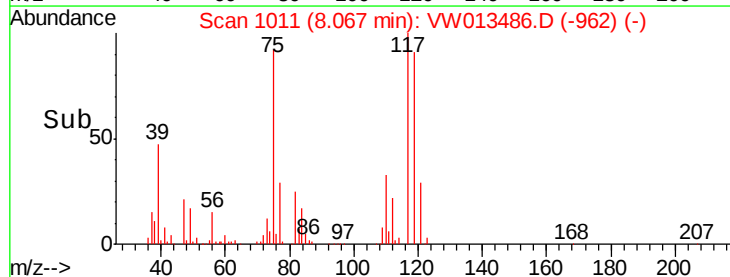
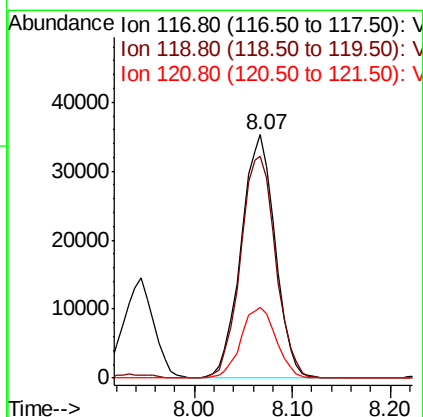
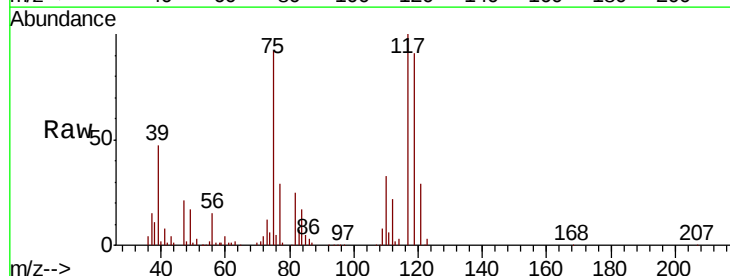
Instrument :
MSVOA_W
ClientSampleId :

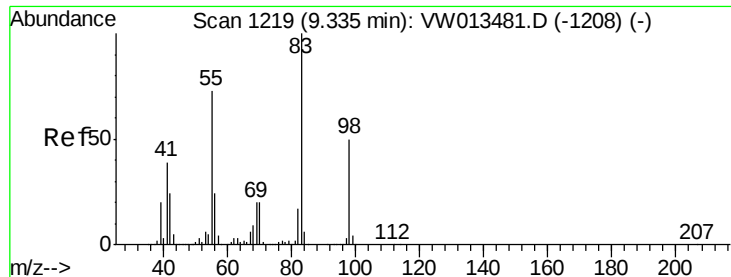
Tot Ion: 43 Resp: 41608
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 10.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.874 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 117 Resp: 84998
Ion Ratio Lower Upper
117 100
119 91.3 76.3 114.5
121 29.3 23.6 35.4

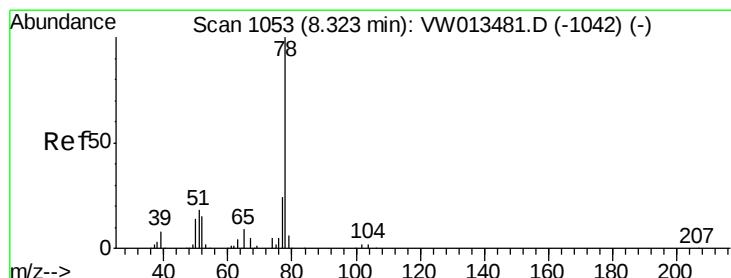
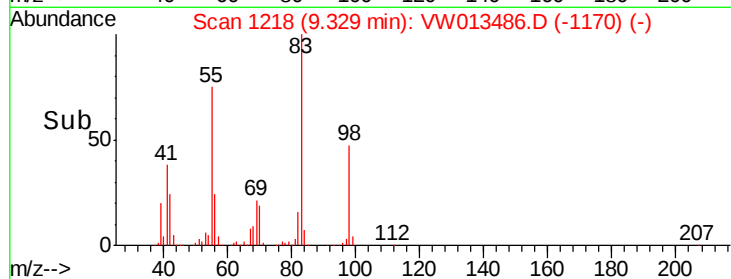
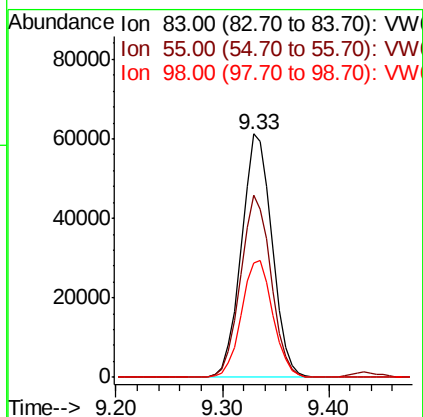
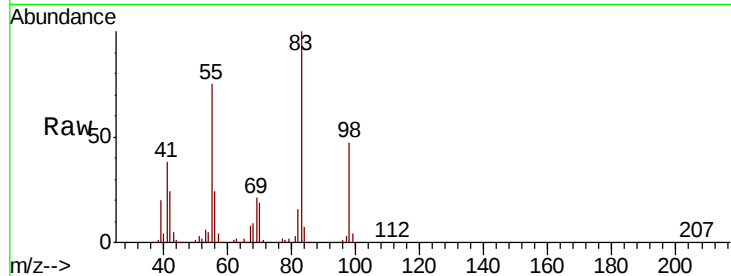




#39
Methvlcvclohexane
Concen: 20.841 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

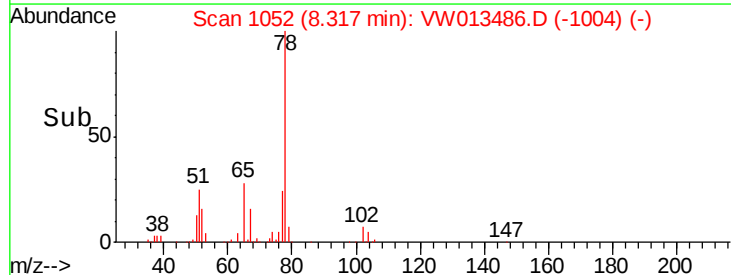
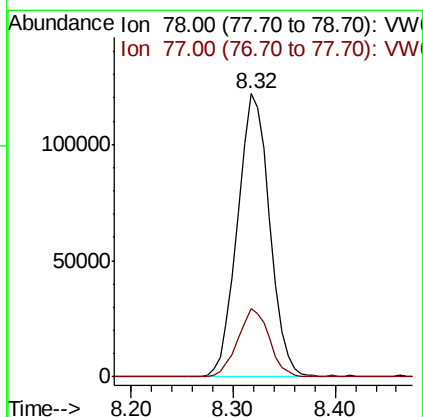
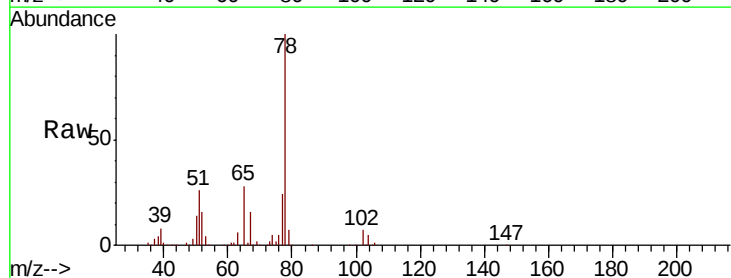
Instrument :
MSVOA_W
ClientSampled :

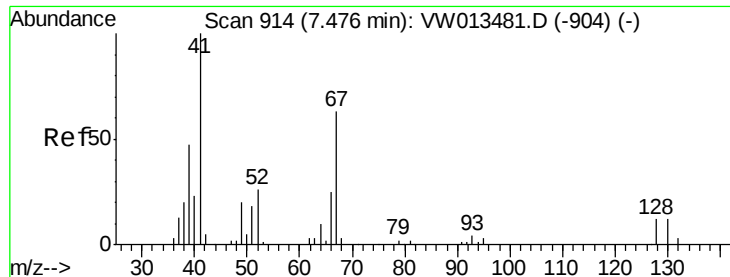
Tot Ion: 83 Resp: 124030
Ion Ratio Lower Upper
83 100
55 75.0 58.2 87.4
98 47.1 39.8 59.6



#40
Benzene
Concen: 20.818 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 78 Resp: 266934
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

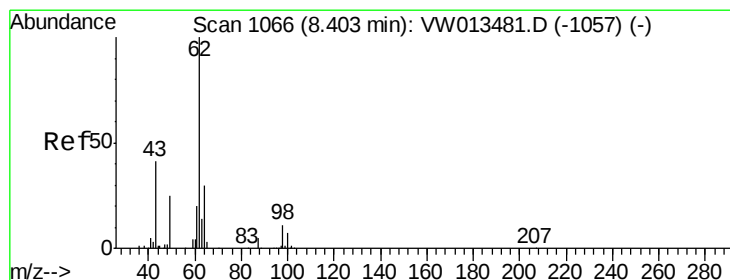
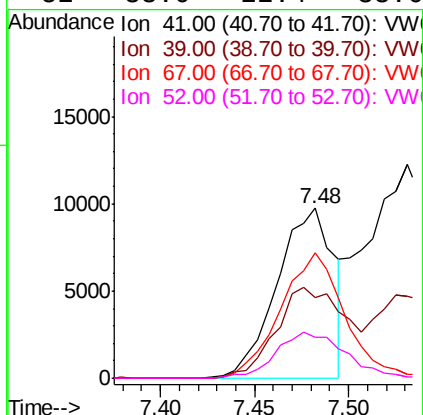
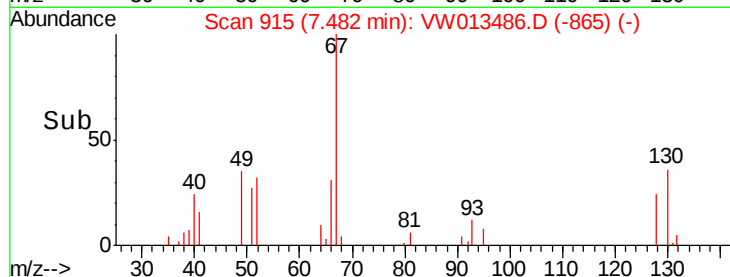
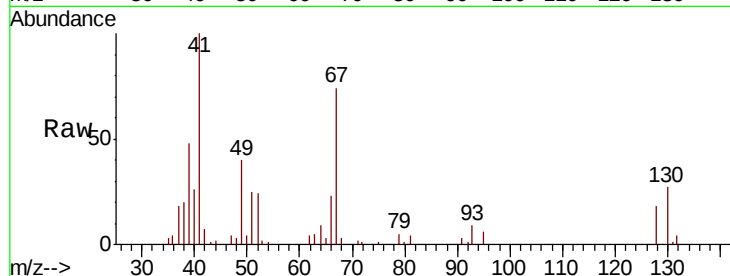




#41
Methacrylonitrile
Concen: 17.210 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

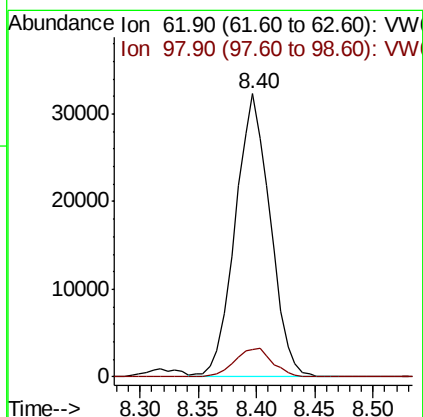
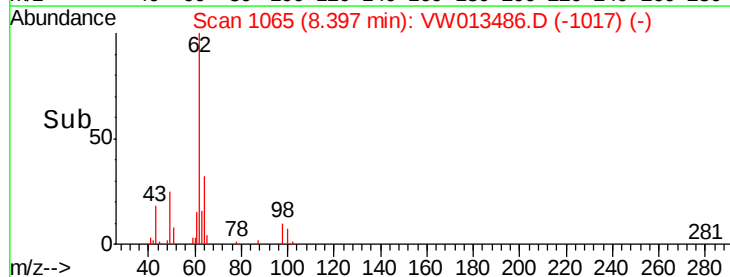
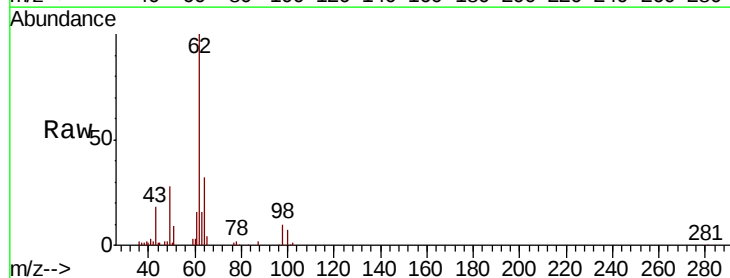
Instrument :
MSVOA_W
ClientSampled :

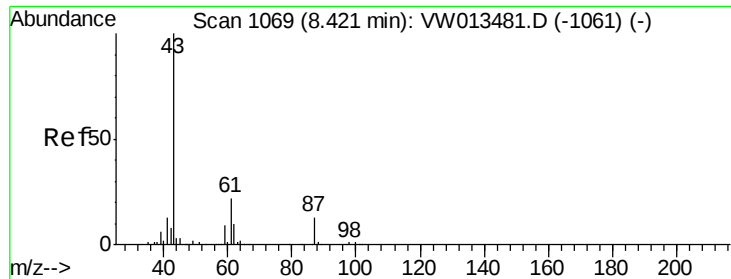
Tot Ion	Ratio	Lower	Upper
41	100		
39	65.8	39.4	59.0
67	83.3	57.0	85.6
52	33.0	22.4	33.6



#42
1,2-Dichloroethane
Concen: 20.854 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.714 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

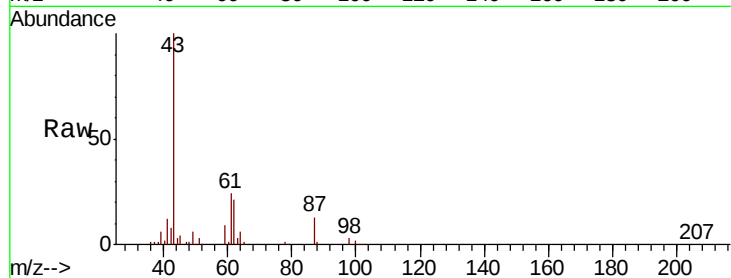
Tot Ion: 43 Resp: 74229

Ion Ratio Lower Upper

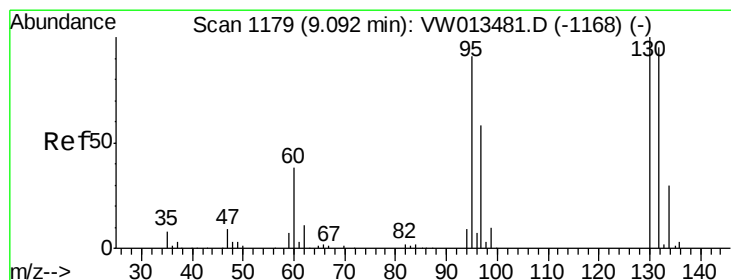
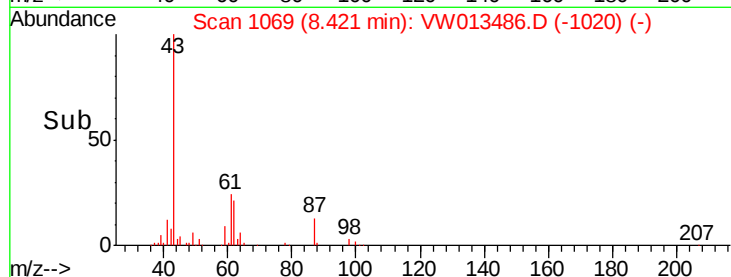
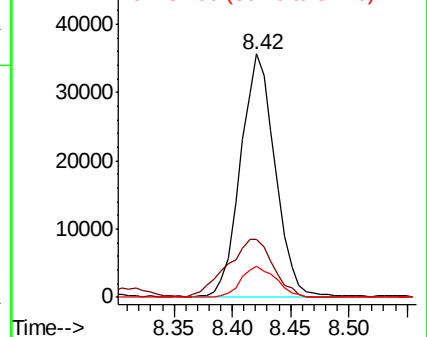
43 100

61 31.7 25.4 38.2

87 13.0 10.8 16.2



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: 20.711 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013486.D

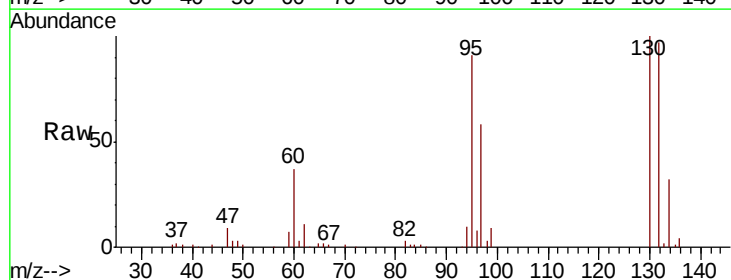
Acq: 08 Oct 2019 15:01

Tgt Ion: 130 Resp: 75758

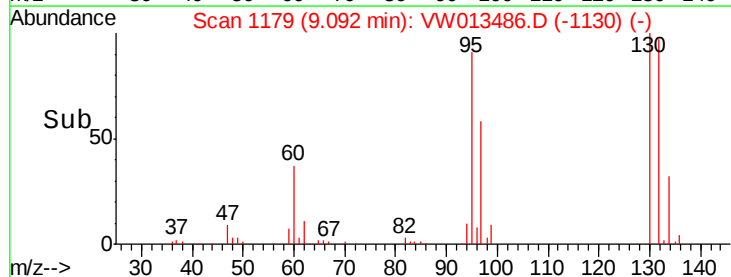
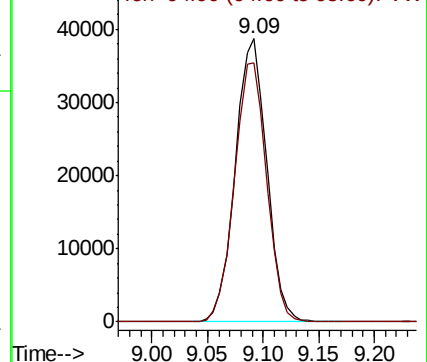
Ion Ratio Lower Upper

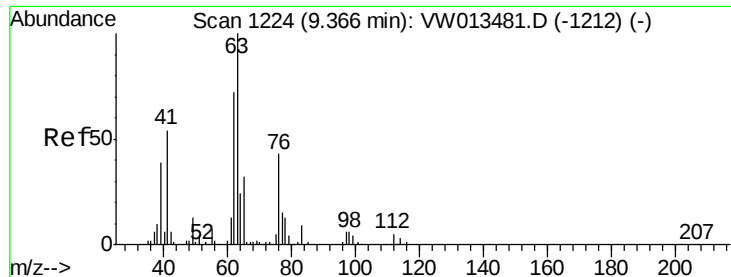
130 100

95 91.4 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

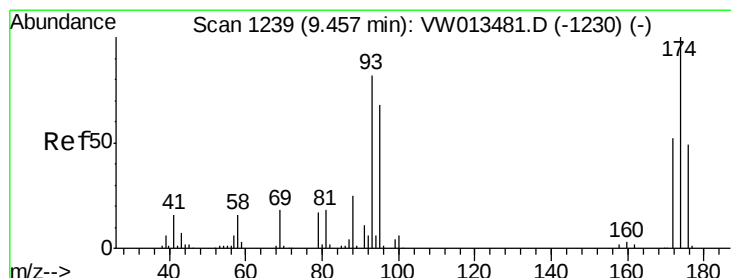
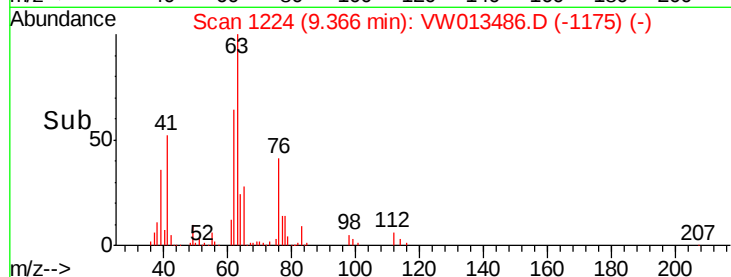
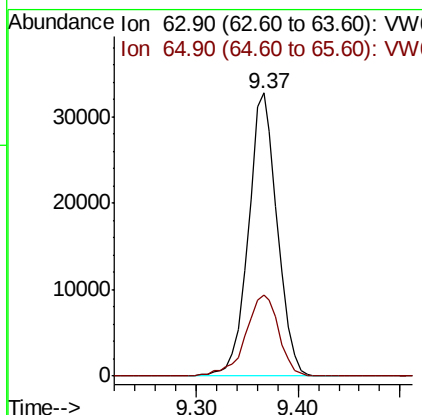
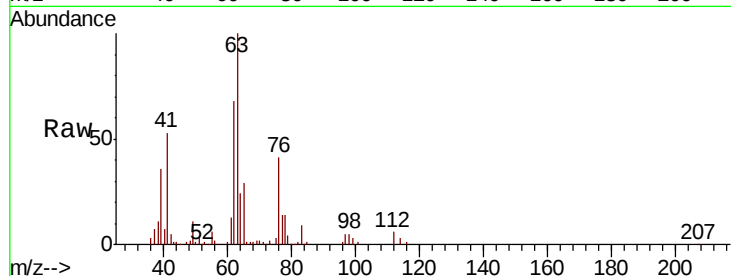




#45
 1,2-Dichloropropane
 Concen: 20.912 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

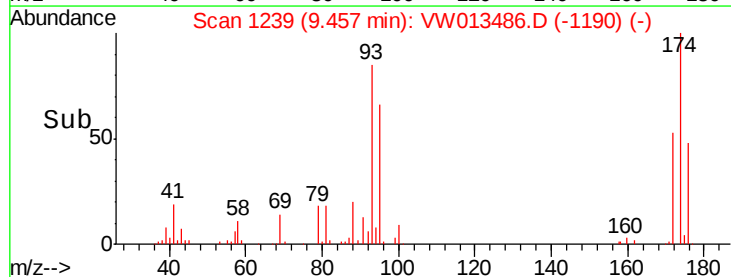
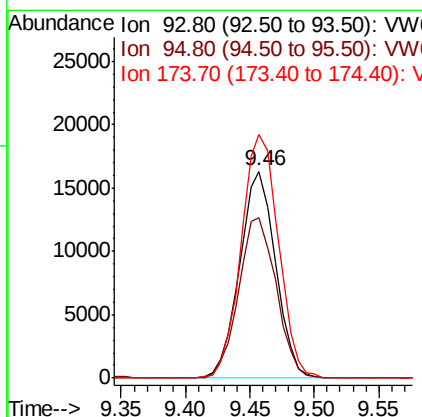
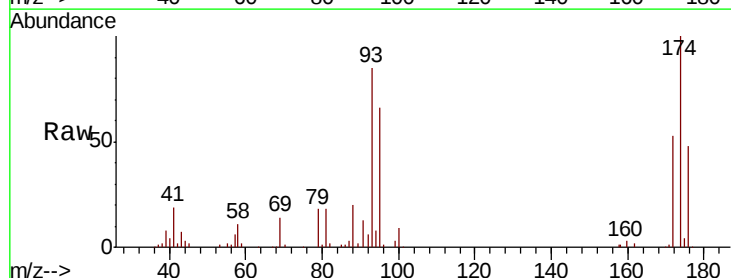
Instrument :
 MSVOA_W
 ClientSampleId :

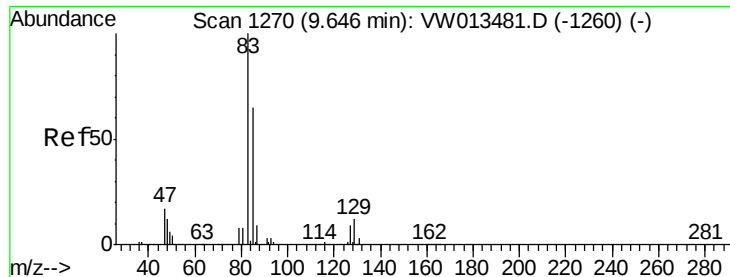
Tot Ion: 63 Resp: 64359
 Ion Ratio Lower Upper
 63 100
 65 28.8 25.8 38.6



#46
 Dibromomethane
 Concen: 20.507 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 93 Resp: 31441
 Ion Ratio Lower Upper
 93 100
 95 81.0 68.0 102.0
 174 122.1 97.0 145.6





#47

Bromodichloromethane

Concen: 20.362 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

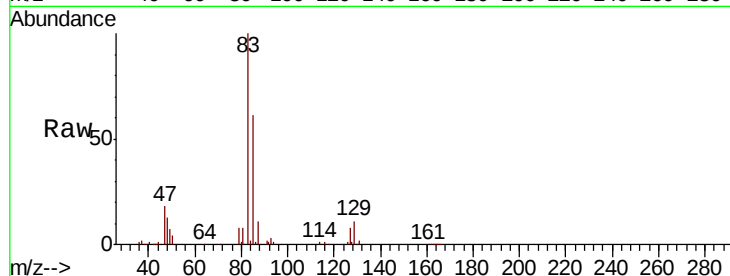
Tot Ion: 83 Resp: 77604

Ion Ratio Lower Upper

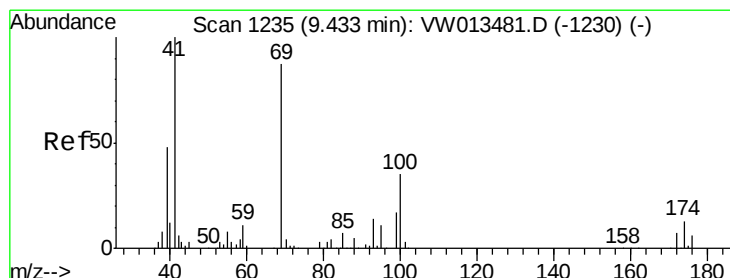
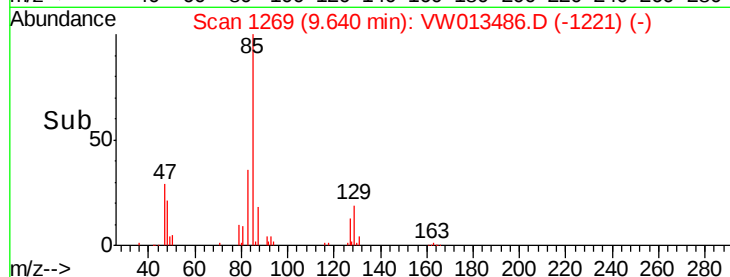
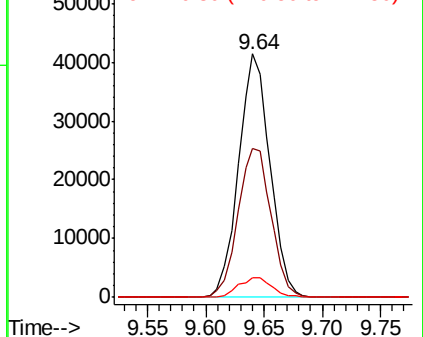
83 100

85 61.0 51.9 77.9

127 8.1 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.281 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

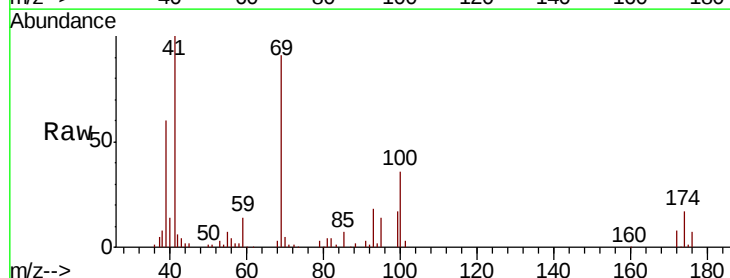
Tgt Ion: 41 Resp: 37615

Ion Ratio Lower Upper

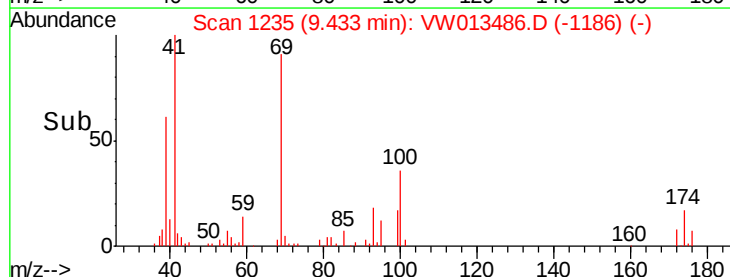
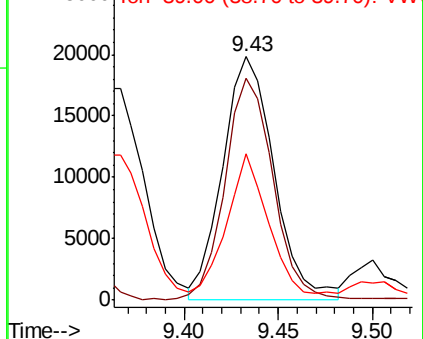
41 100

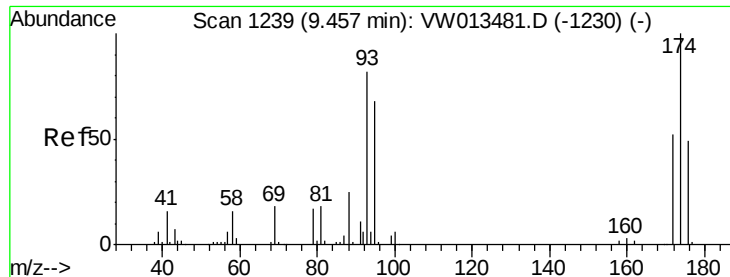
69 85.0 70.4 105.6

39 45.1 37.3 55.9



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

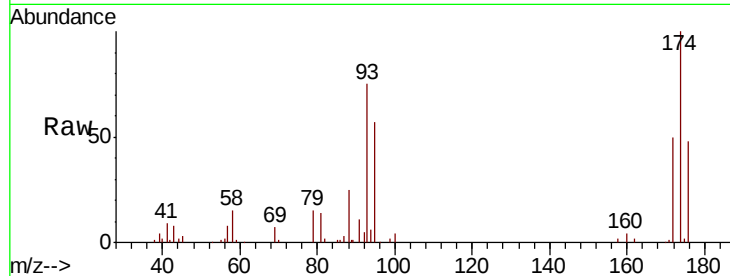




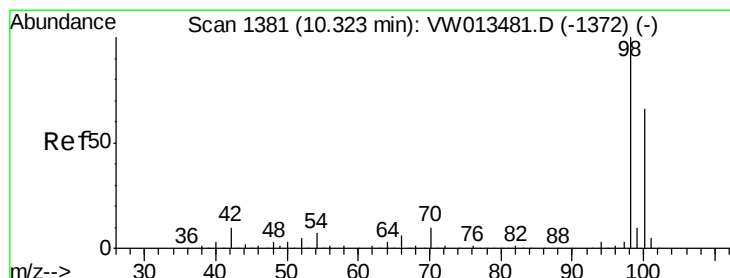
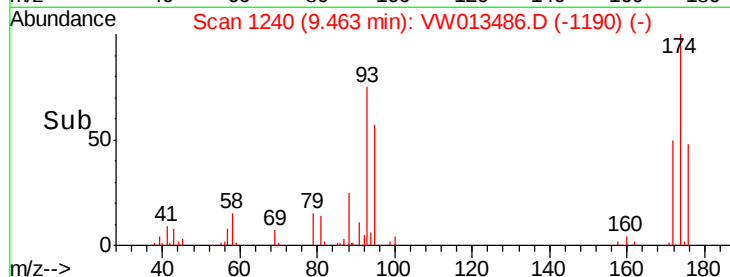
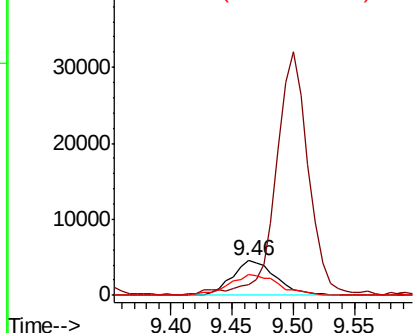
#49
1,4-Dioxane
Concen: 419.002 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 11280
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 67.1 60.0 90.0

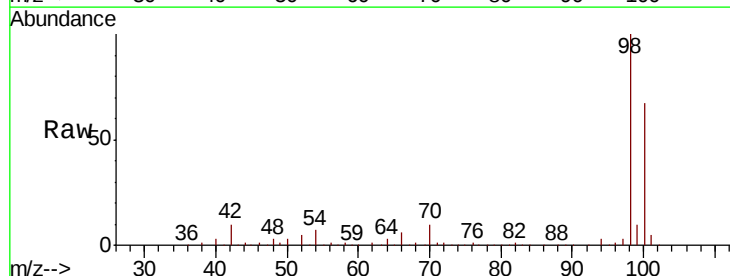


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

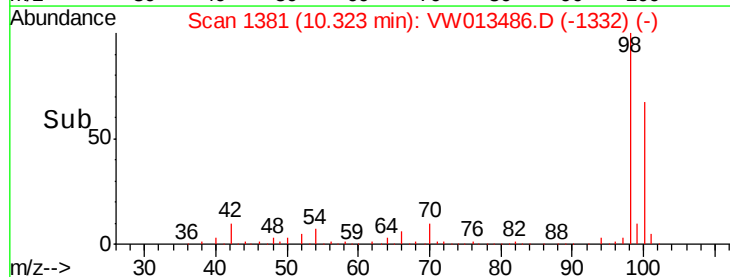
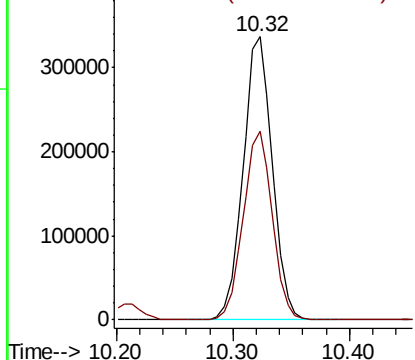


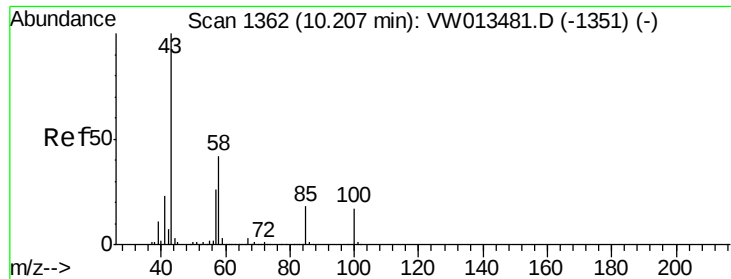
#50
Toluene-d8
Concen: 49.385 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 98 Resp: 588567
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



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

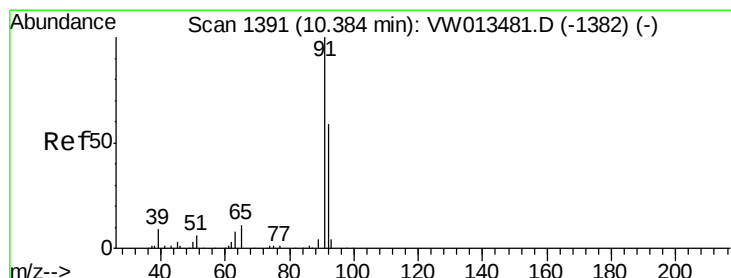
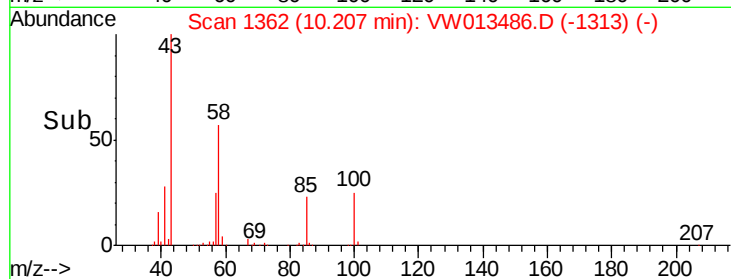
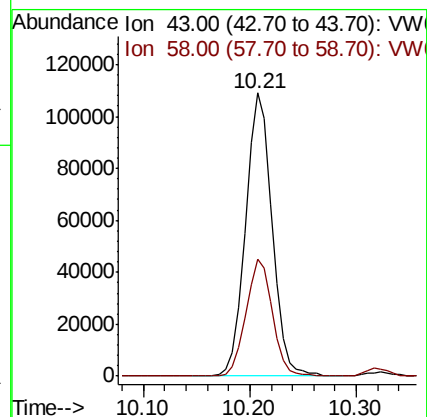
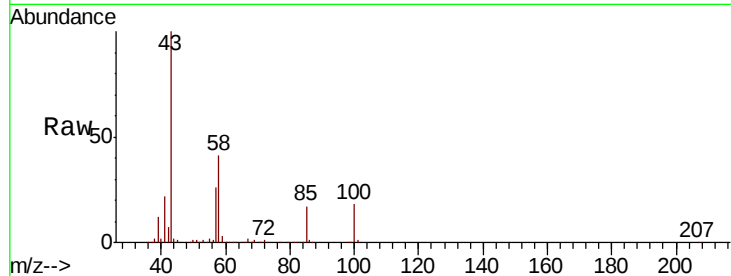




#51
 4-Methyl-2-Pentanone
 Concen: 96.320 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

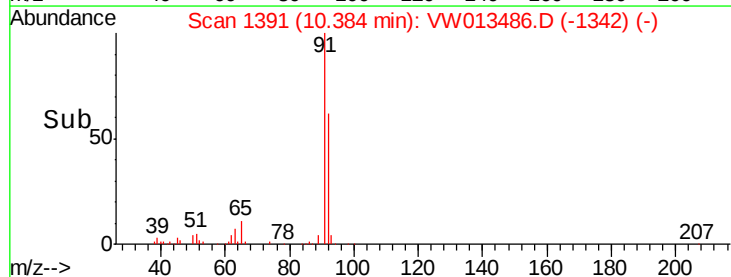
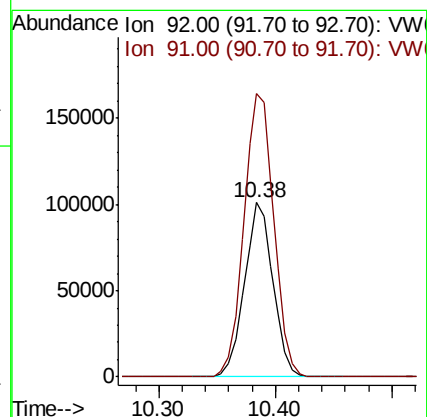
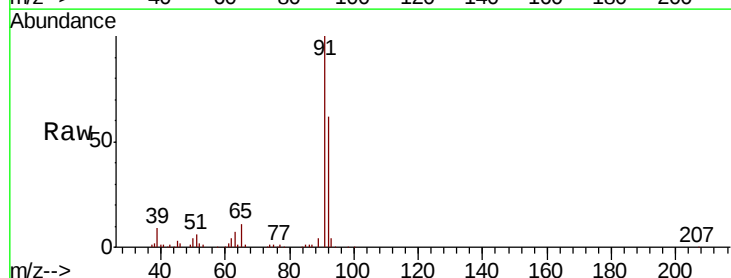
Instrument :
 MSVOA_W
 ClientSampled :

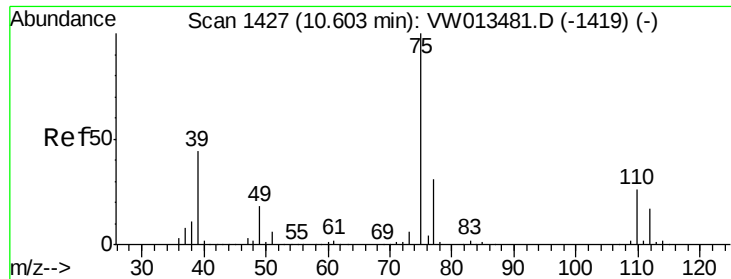
Tot Ion: 43 Resp: 190668
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.8 49.2



#52
 Toluene
 Concen: 20.833 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 92 Resp: 172071
 Ion Ratio Lower Upper
 92 100
 91 170.3 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 20.448 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

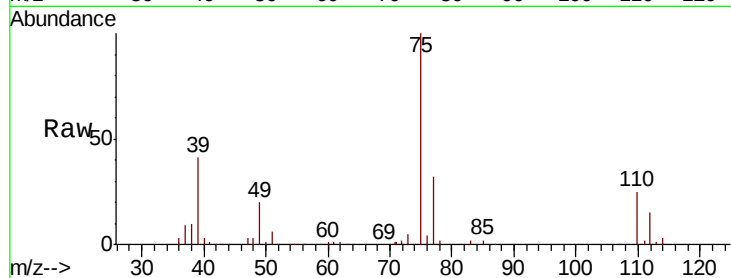
ClientSampled :

Tot Ion: 75 Resp: 80980

Ion Ratio Lower Upper

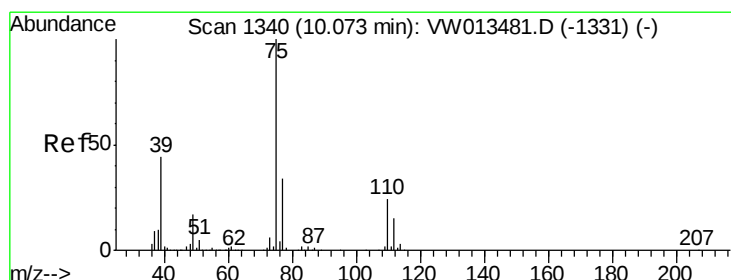
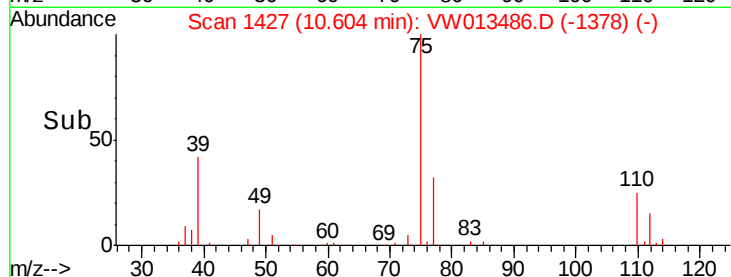
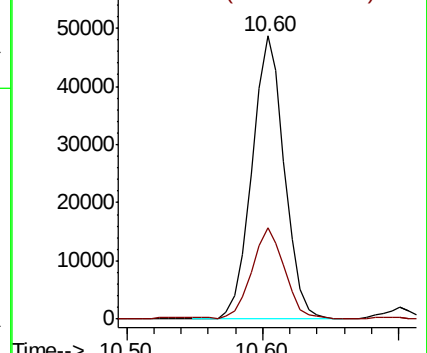
75 100

77 32.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.011 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

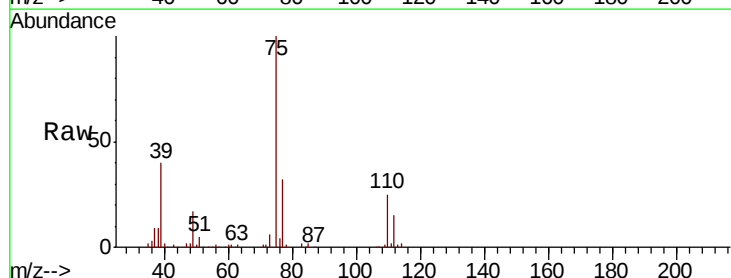
Tgt Ion: 75 Resp: 100809

Ion Ratio Lower Upper

75 100

77 31.8 27.0 40.4

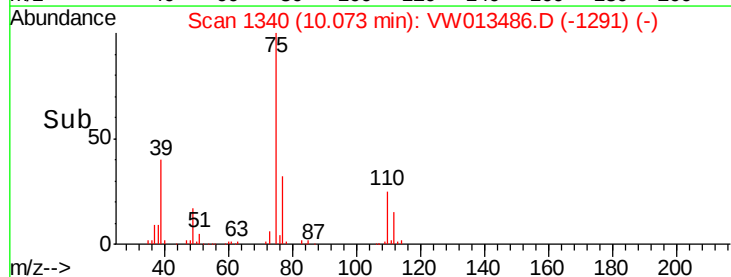
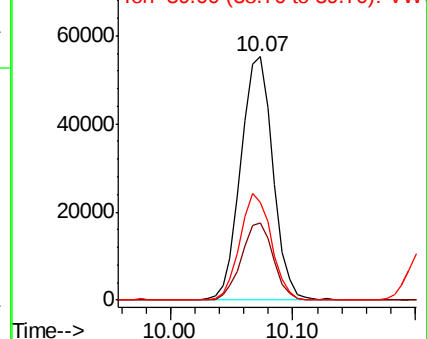
39 40.1 35.0 52.4

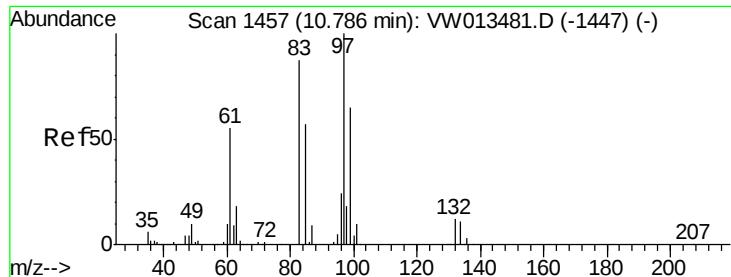


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

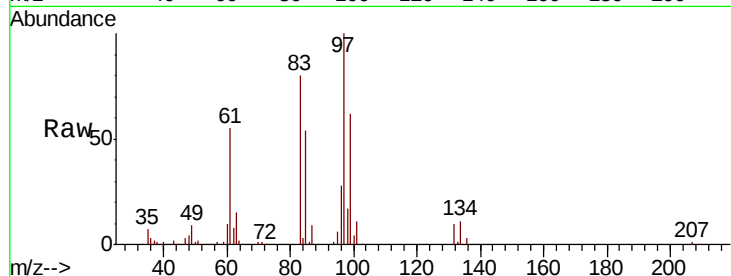




#55
 1,1,2-Trichloroethane
 Concen: 21.001 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	97	Resp	48329
Ion	Ratio	Lower	Upper
97	100		
83	79.5	69.8	104.8
85	53.6	45.4	68.0
99	62.1	51.9	77.9



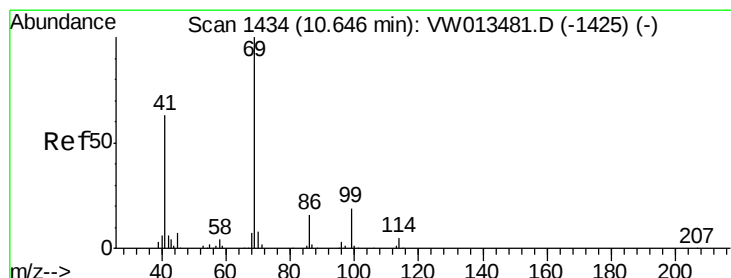
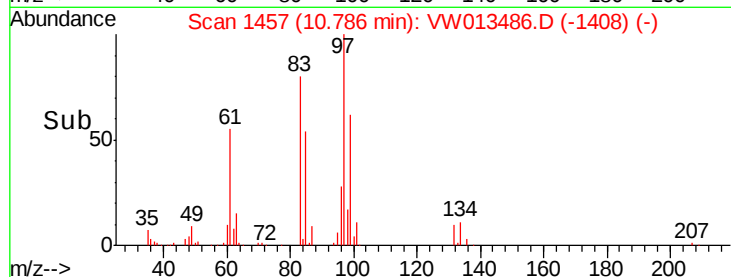
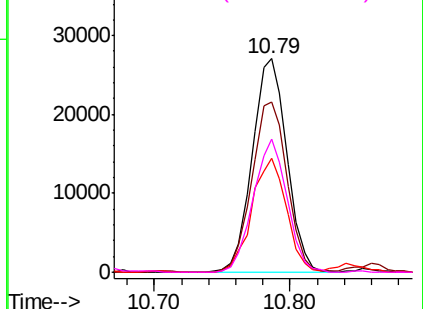
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

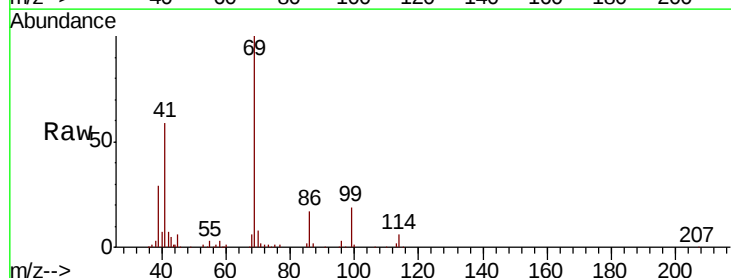
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.175 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	69	Resp	62532
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.8	77.6
39	28.2	21.7	32.5

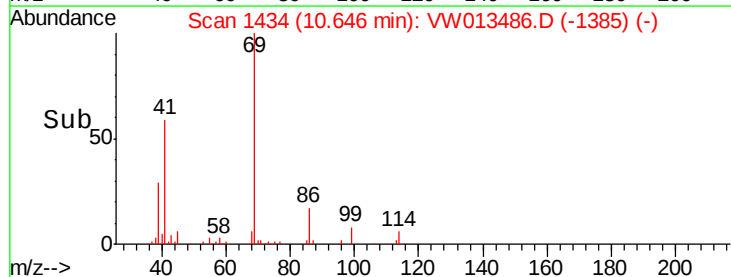
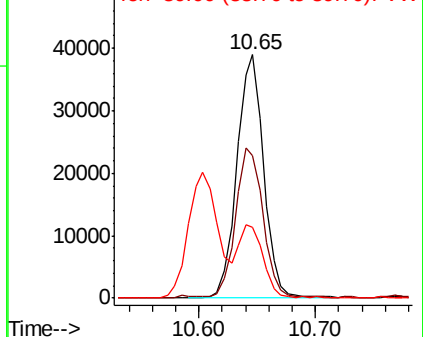


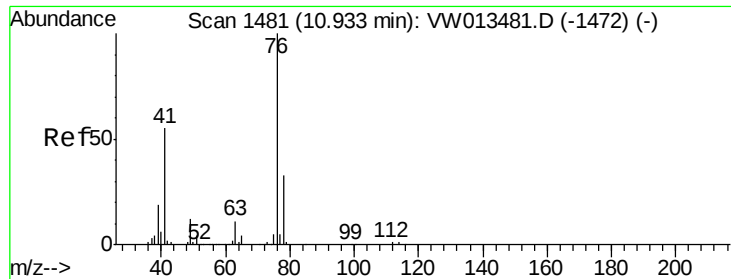
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

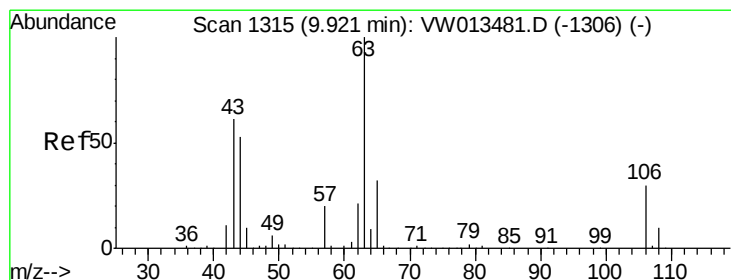
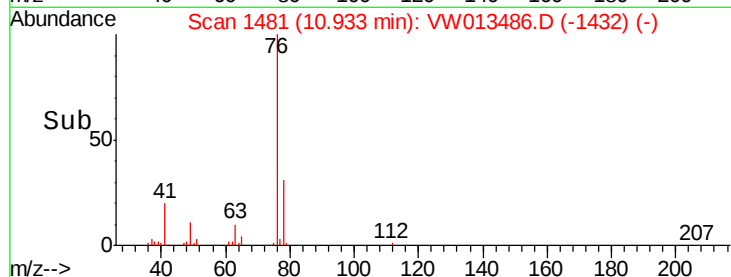
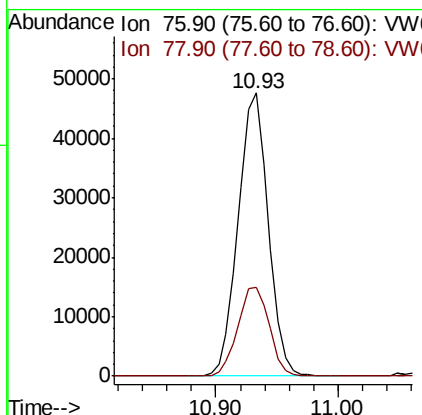
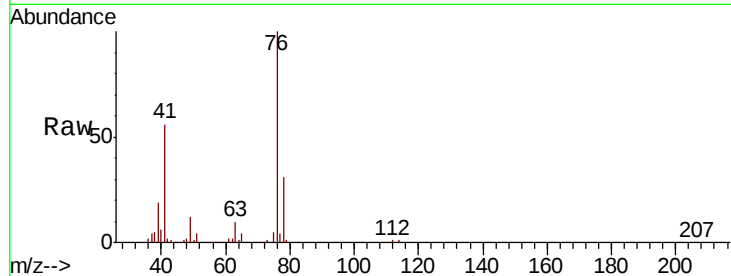




#57
 1,3-Dichloropropane
 Concen: 20.544 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

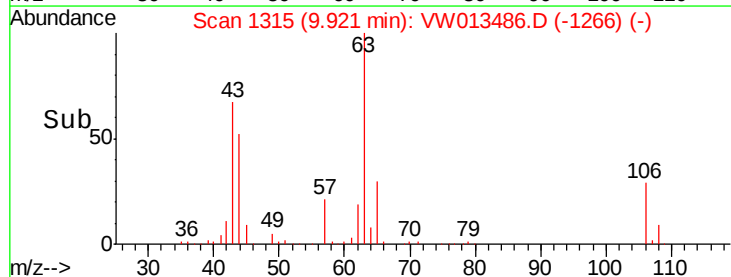
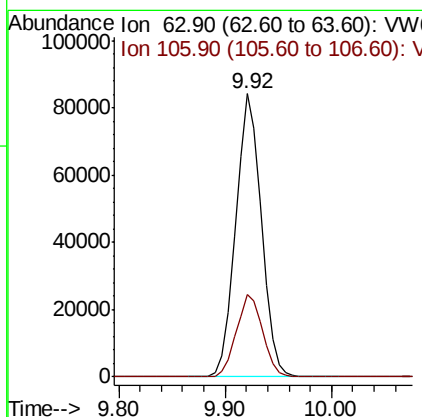
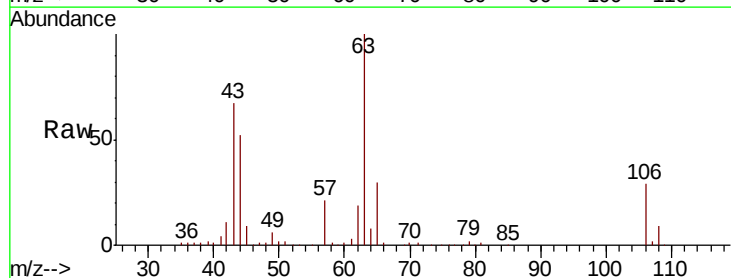
Instrument :
 MSVOA_W
 ClientSampled :

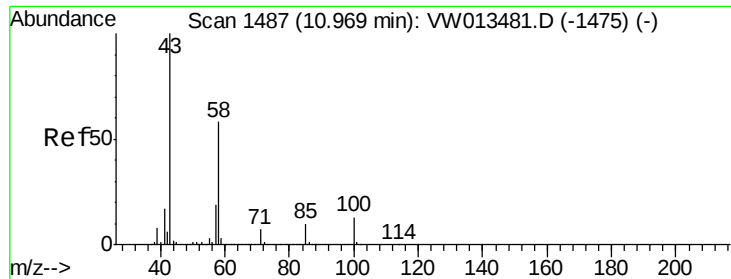
Tot Ion: 76 Resp: 81181
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.290 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 63 Resp: 142266
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.5 36.7

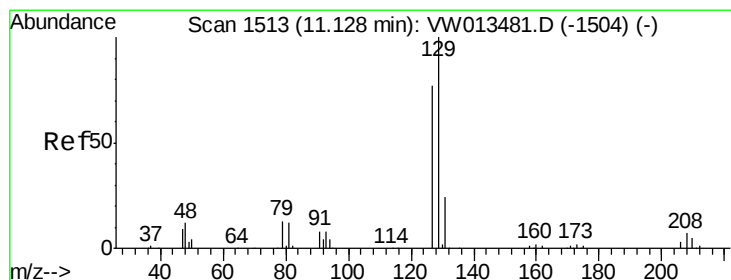
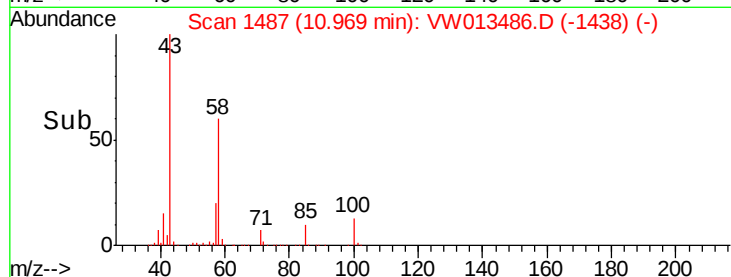
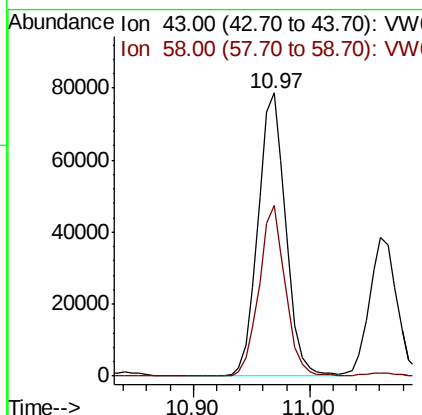
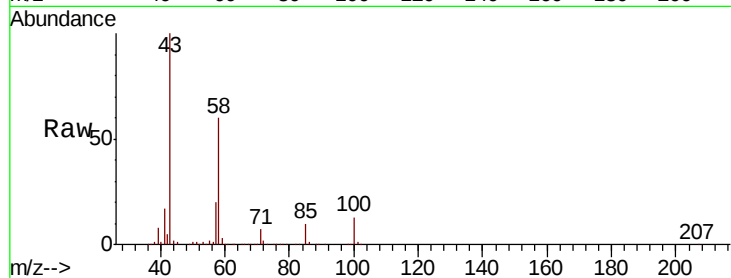




#59
2-Hexanone
Concen: 96.136 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

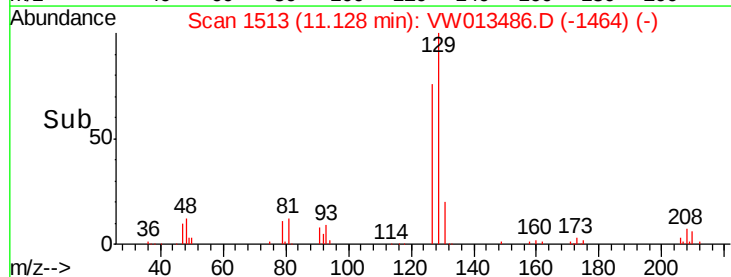
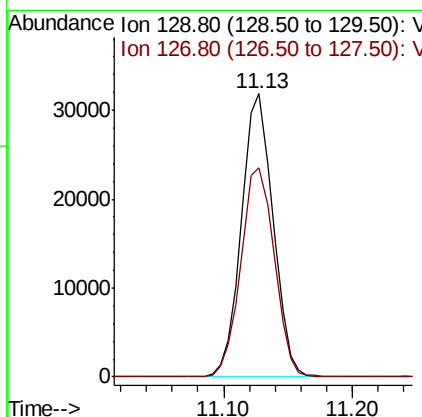
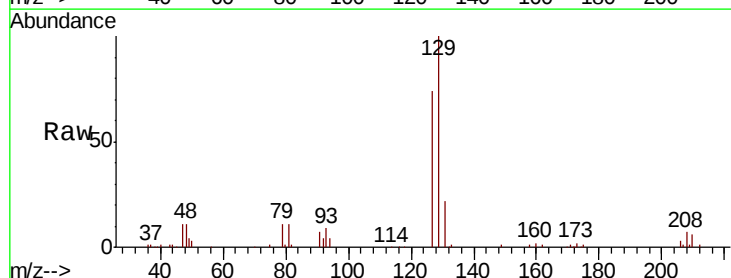
Instrument :
MSVOA_W
ClientSampleId :

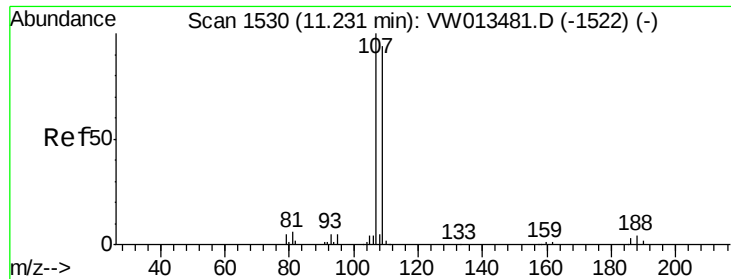
Tot Ion: 43 Resp: 130495
Ion Ratio Lower Upper
43 100
58 57.2 28.4 85.2



#60
Dibromochloromethane
Concen: 20.431 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 129 Resp: 54071
Ion Ratio Lower Upper
129 100
127 78.4 37.4 112.1

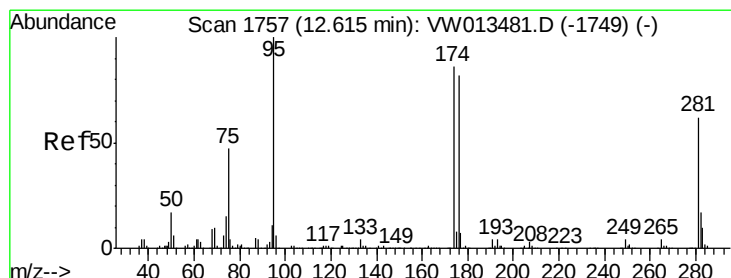
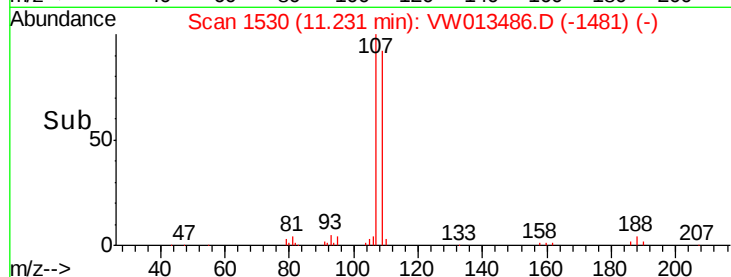
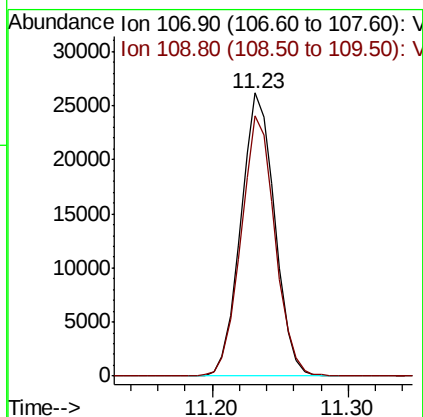
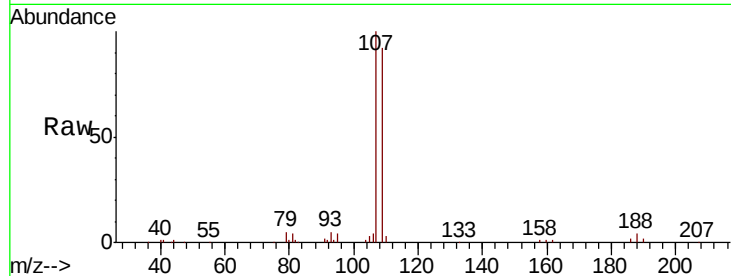




#61
 1,2-Dibromoethane
 Concen: 20.807 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

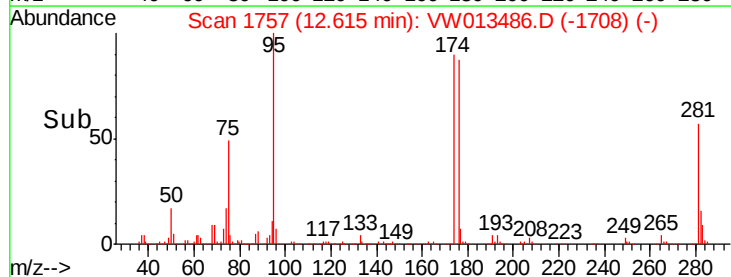
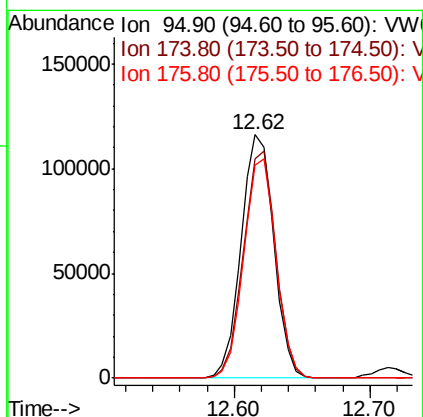
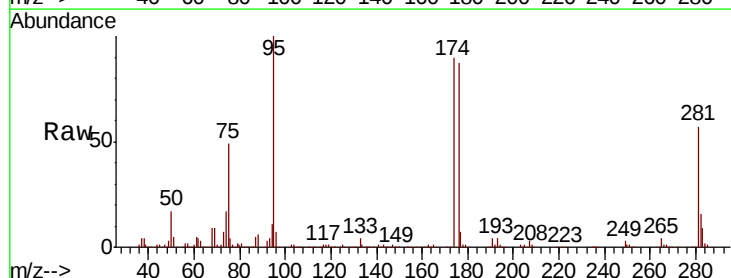
Instrument :
 MSVOA_W
 ClientSampled :

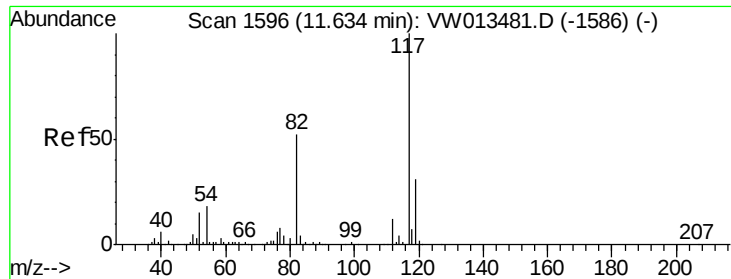
Tot Ion: 107 Resp: 45544
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.817 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 95 Resp: 195448
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 177.4
 176 89.3 0.0 173.4

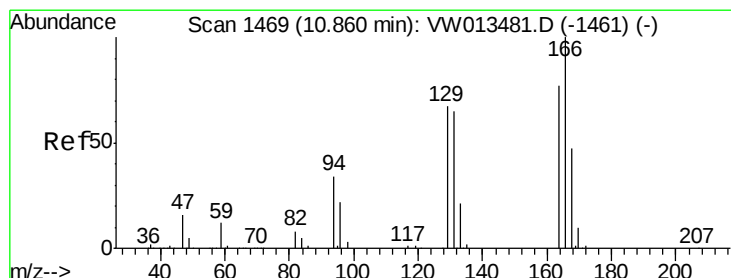
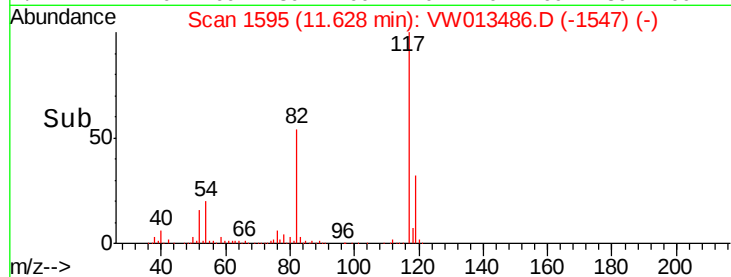
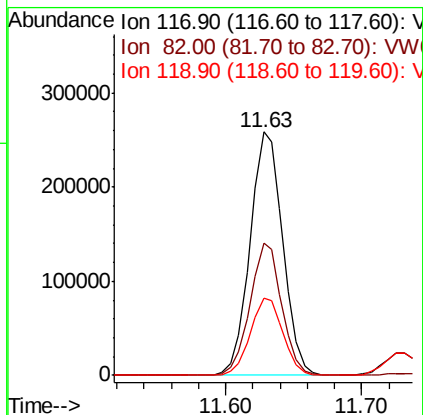
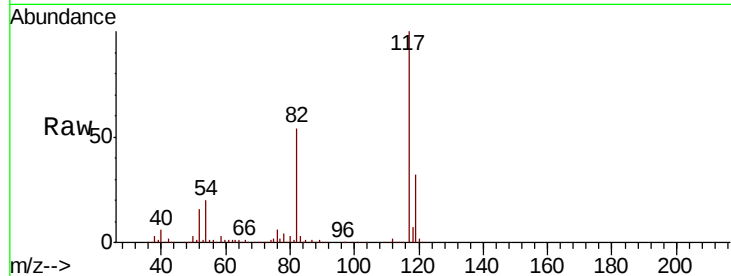




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

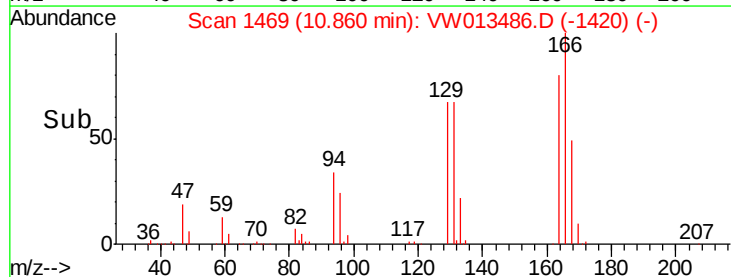
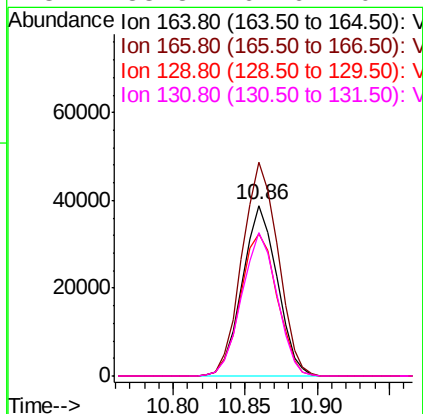
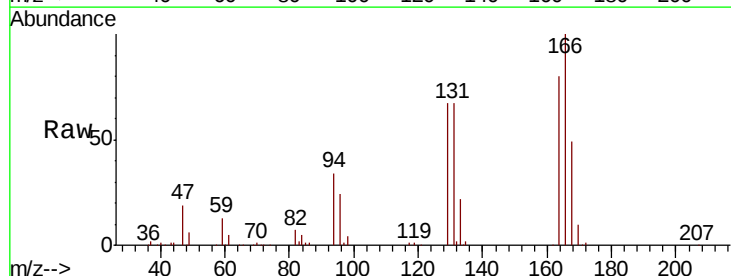
Instrument :
MSVOA_W
ClientSampleId :

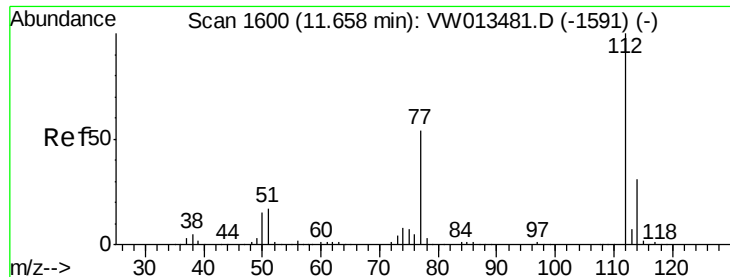
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.4	62.2
119	31.7	25.1	37.7



#64
Tetrachloroethene
Concen: 20.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	104.6	156.8
129	83.3	70.2	105.2
131	83.8	67.6	101.4

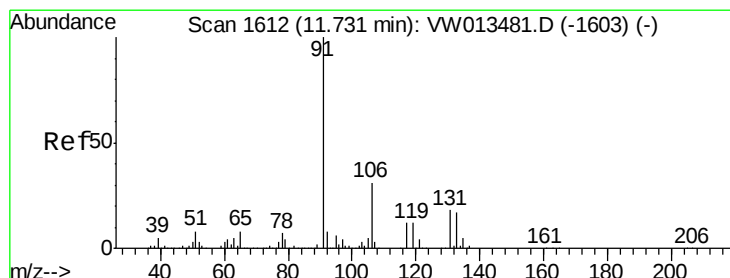
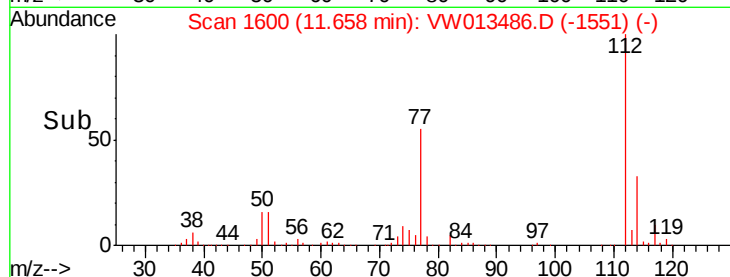
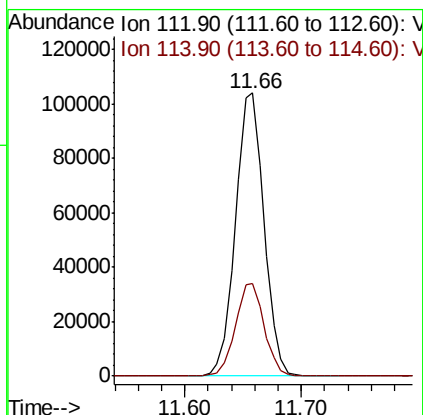
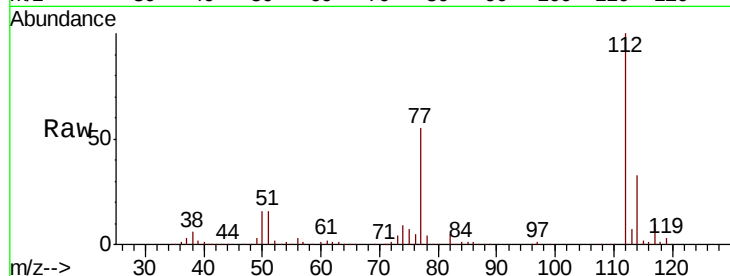




#65
Chlorobenzene
Concen: 20.473 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

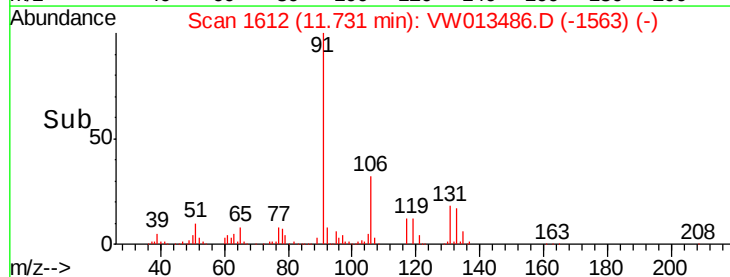
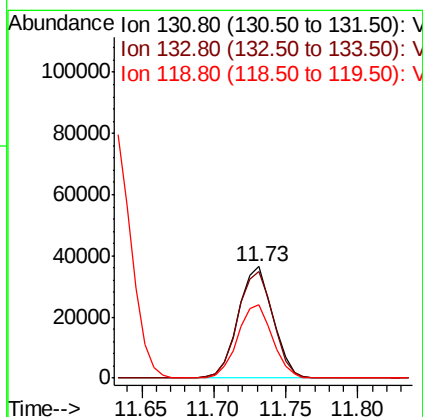
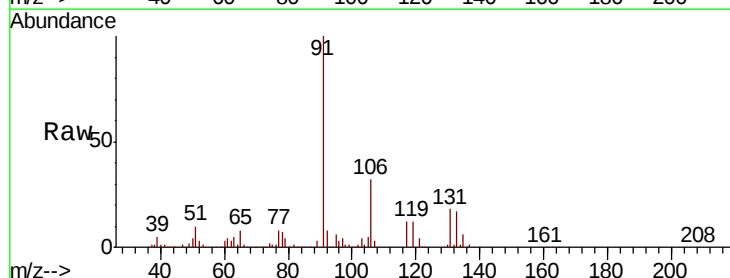
Instrument :
MSVOA_W
ClientSampled :

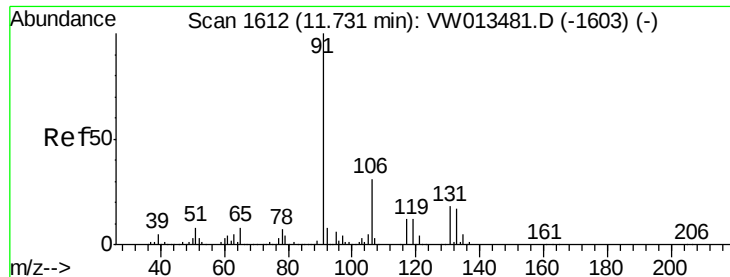
Tot Ion:112 Resp: 177483
Ion Ratio Lower Upper
112 100
114 32.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.188 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion:131 Resp: 60794
Ion Ratio Lower Upper
131 100
133 97.7 47.6 142.9
119 66.3 32.6 98.0

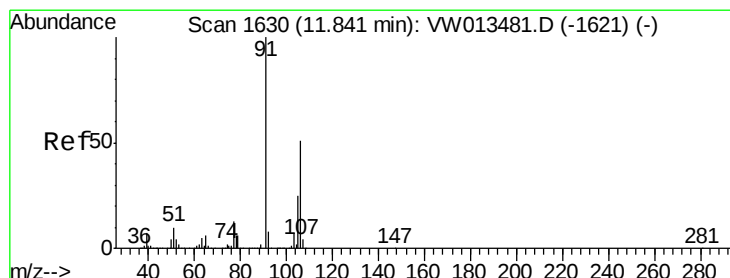
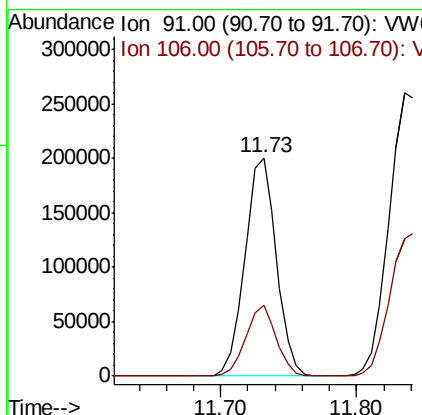
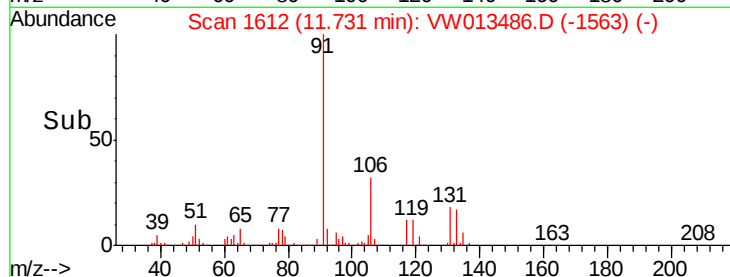
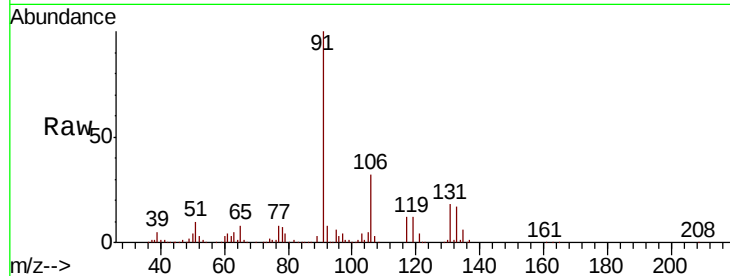




#67
Ethyl Benzene
Concen: 20.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

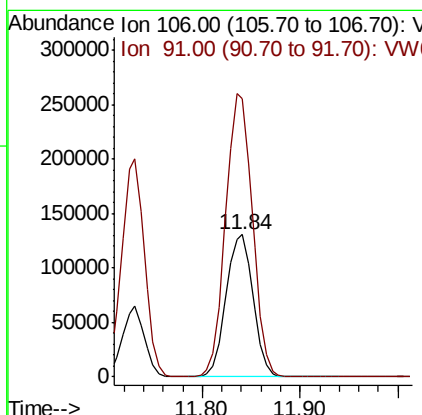
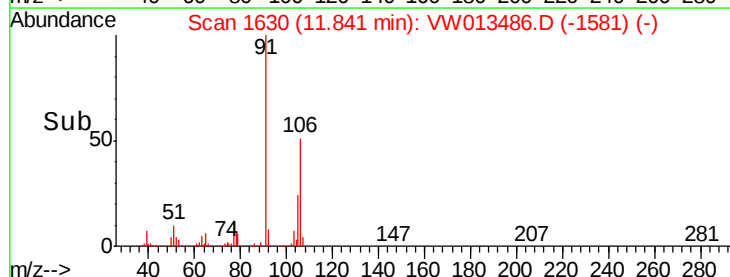
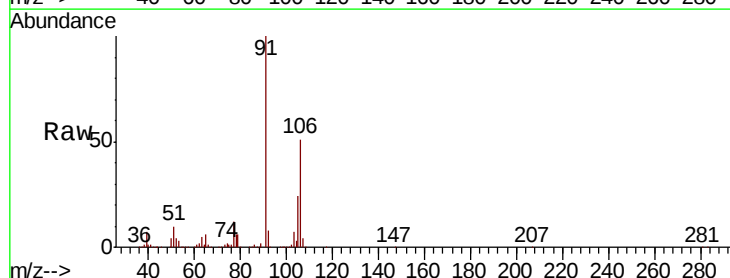
Instrument :
MSVOA_W
ClientSampleId :

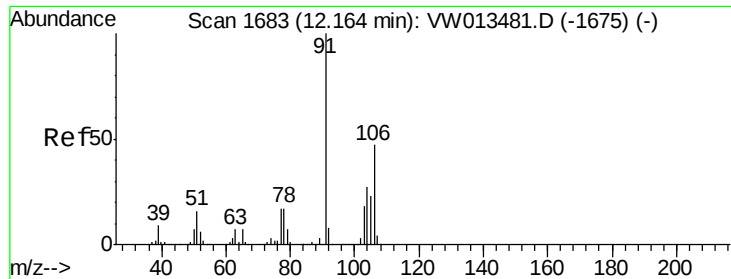
Tot Ion: 91 Resp: 323557
Ion Ratio Lower Upper
91 100
106 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 41.567 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 106 Resp: 250601
Ion Ratio Lower Upper
106 100
91 197.6 156.2 234.4

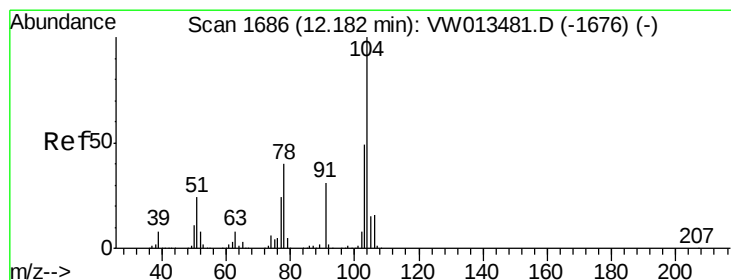
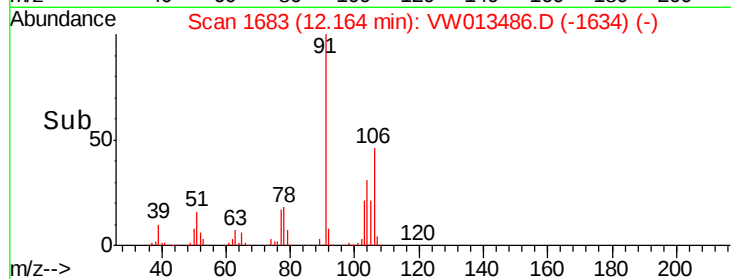
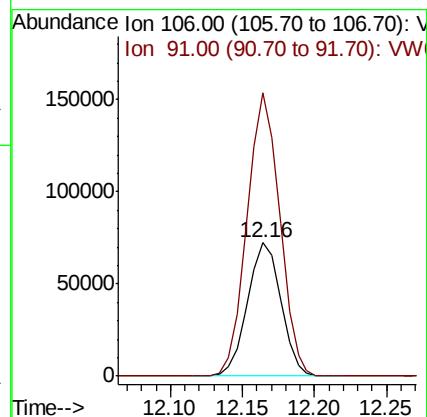
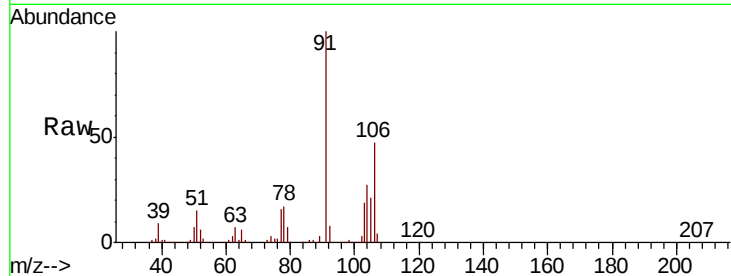




#69
o-Xylene
Concen: 20.944 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

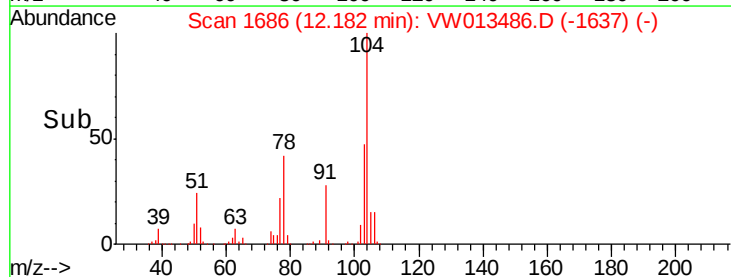
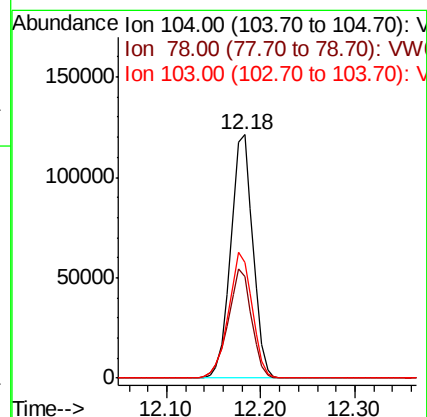
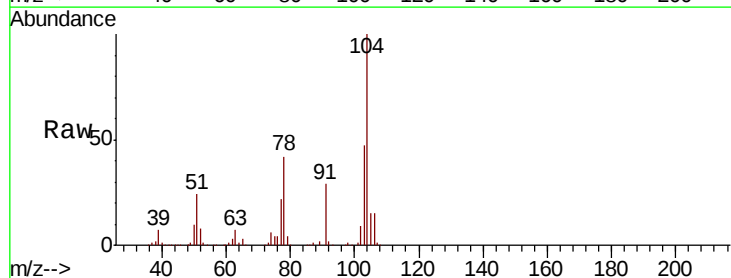
Instrument :
MSVOA_W
ClientSampled :

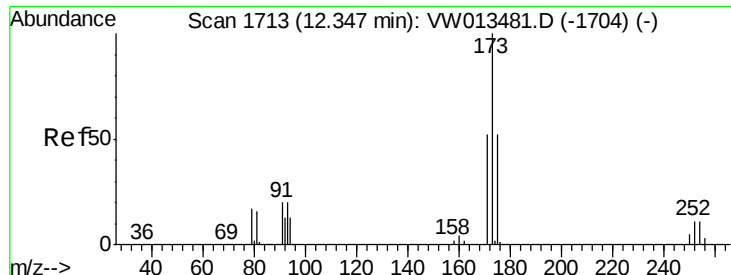
Tot Ion:106 Resp: 116663
Ion Ratio Lower Upper
106 100
91 207.4 105.0 315.0



#70
Styrene
Concen: 20.701 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion:104 Resp: 197986
Ion Ratio Lower Upper
104 100
78 47.4 37.1 55.7
103 54.8 43.2 64.8





#71

Bromoform

Concen: 19.991 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

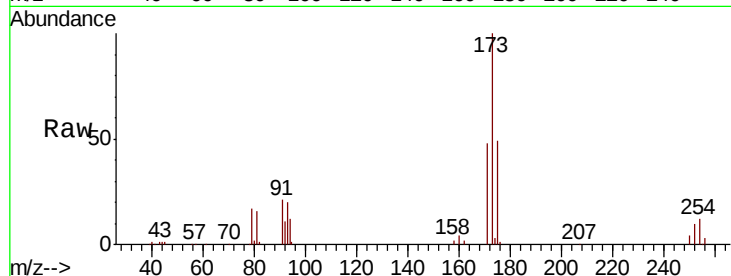
Tot Ion:173 Resp: 33029

Ion Ratio Lower Upper

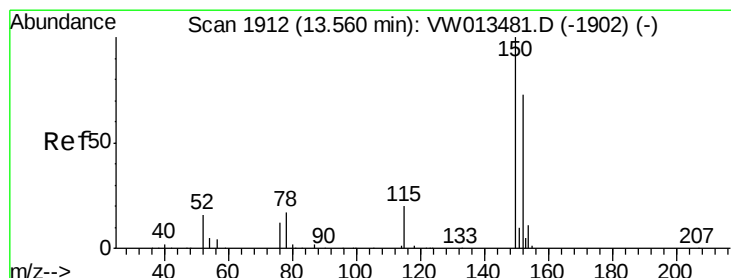
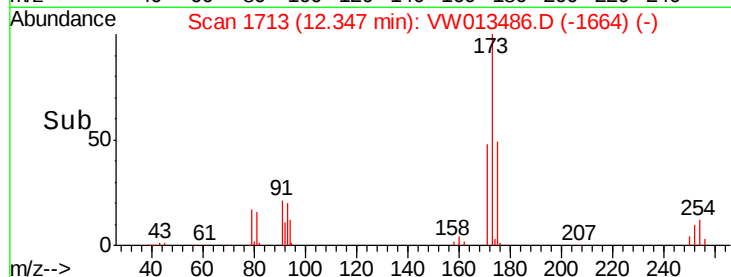
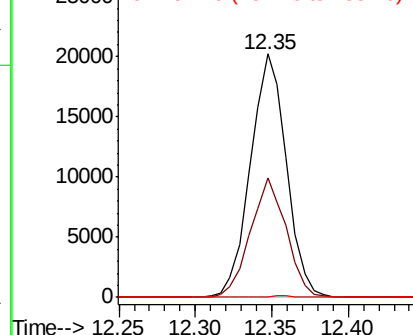
173 100

175 48.9 24.4 73.4

254 0.3 0.1 0.1#



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: VW013486.D

Acq: 08 Oct 2019 15:01

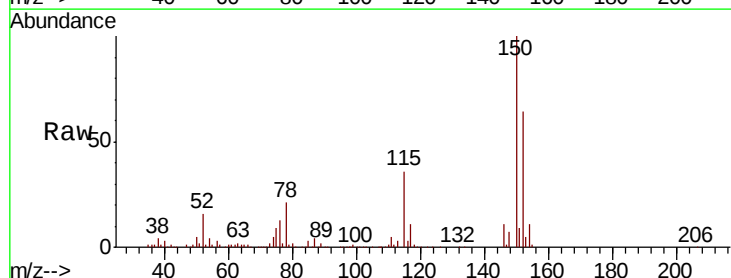
Tgt Ion:152 Resp: 219904

Ion Ratio Lower Upper

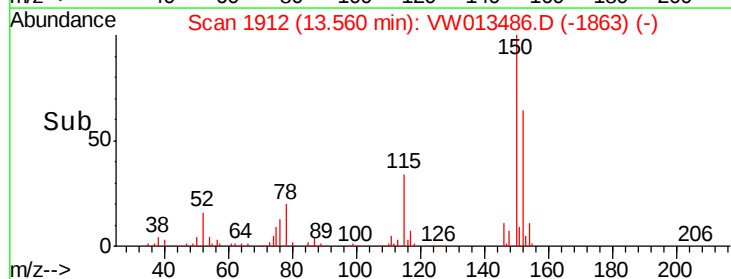
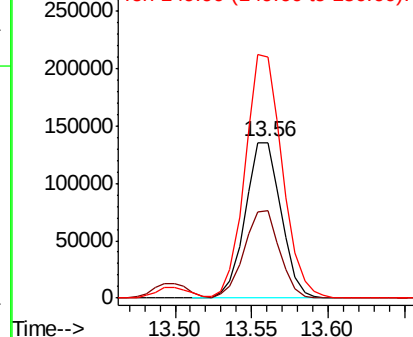
152 100

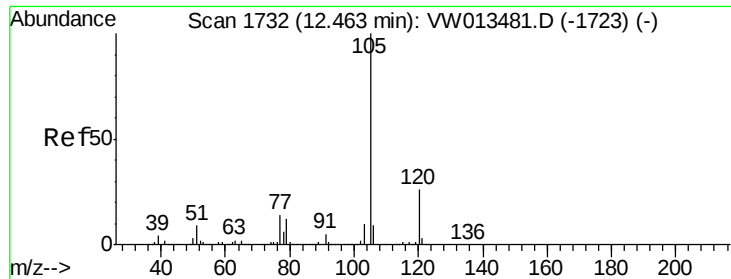
115 55.9 27.0 81.0

150 162.6 0.0 337.4



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





#73

Isopropylbenzene

Concen: 20.567 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

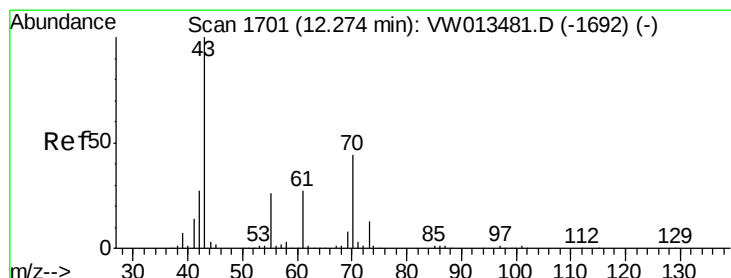
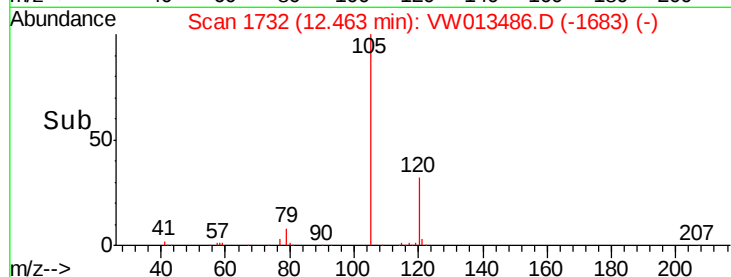
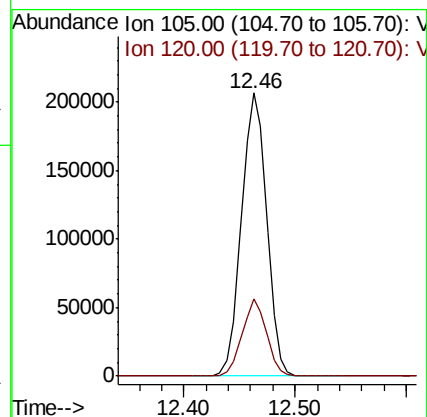
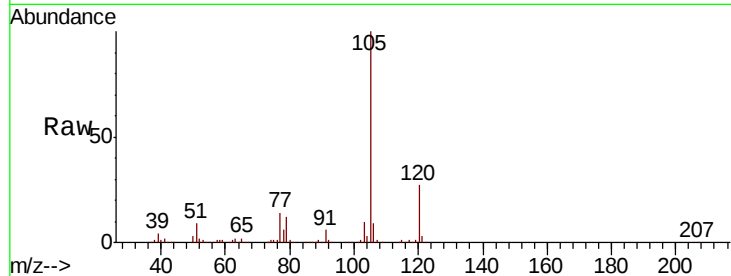
ClientSampleId :

Tot Ion:105 Resp: 323971

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.5



#74

N-ethyl acetate

Concen: 19.279 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion: 43 Resp: 66417

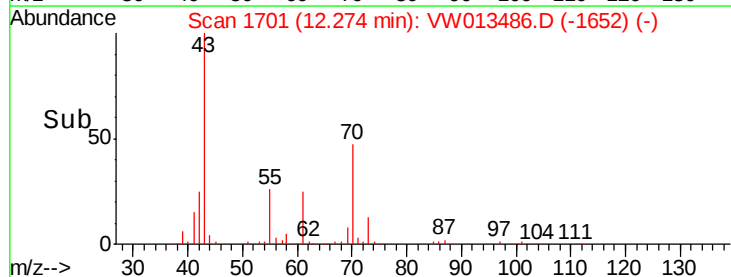
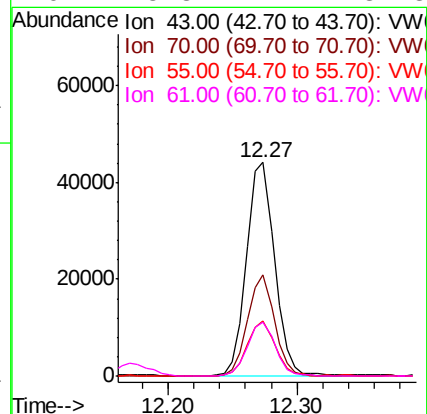
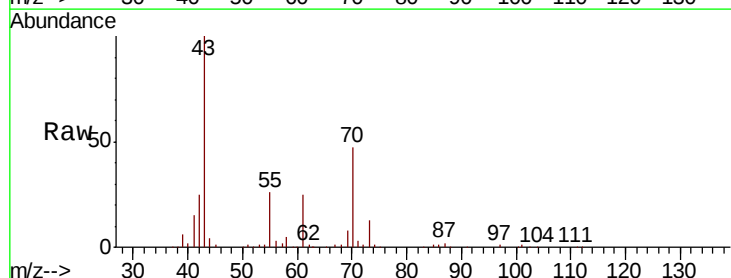
Ion Ratio Lower Upper

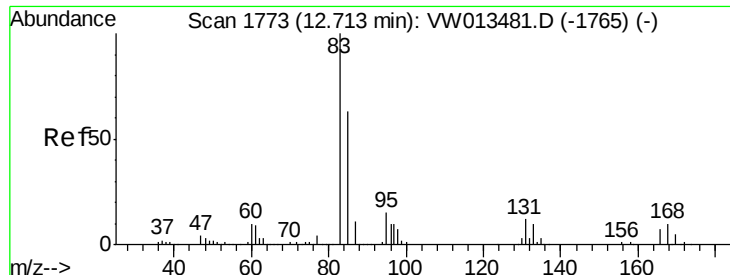
43 100

70 45.3 35.3 52.9

55 25.7 20.0 30.0

61 25.3 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.794 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

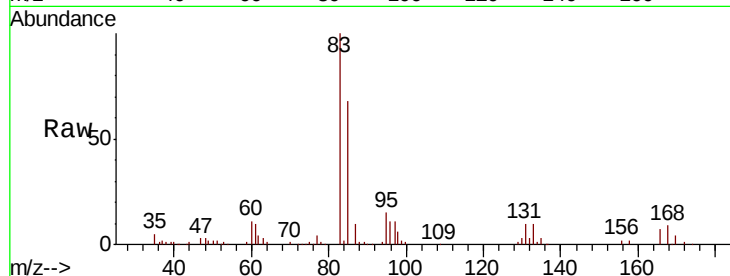
Tot Ion: 83 Resp: 53144

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

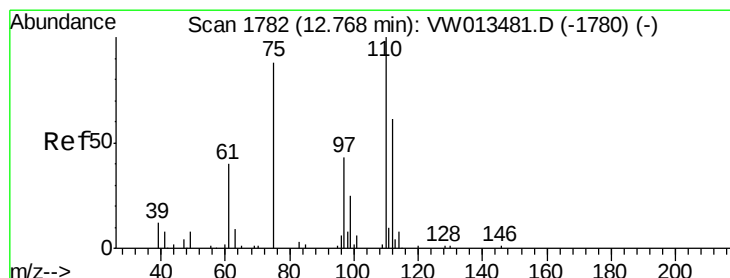
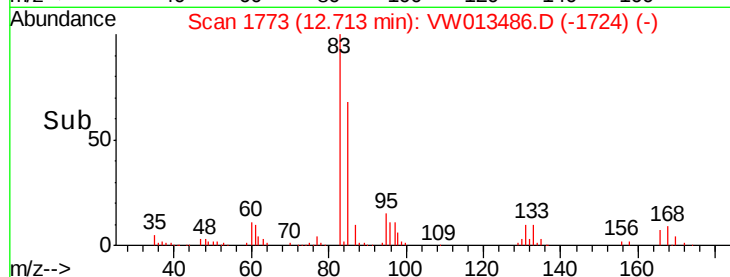
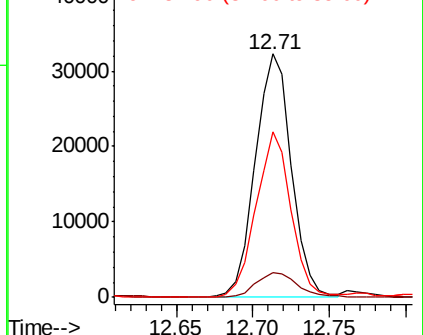
85 65.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.967 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013486.D

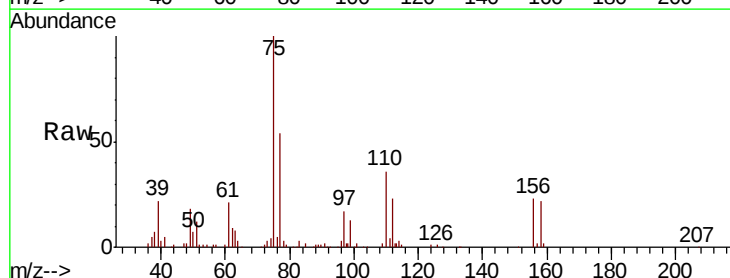
Acq: 08 Oct 2019 15:01

Tgt Ion: 75 Resp: 67705

Ion Ratio Lower Upper

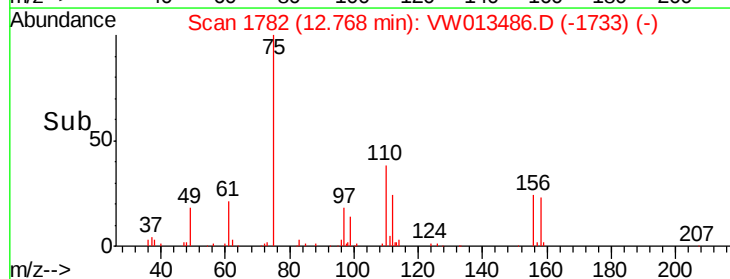
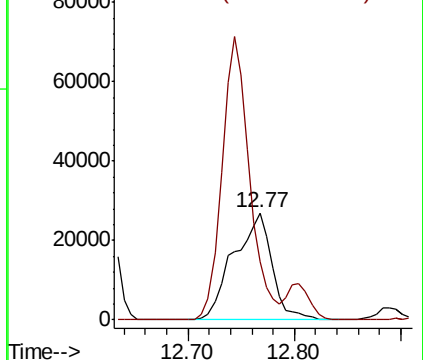
75 100

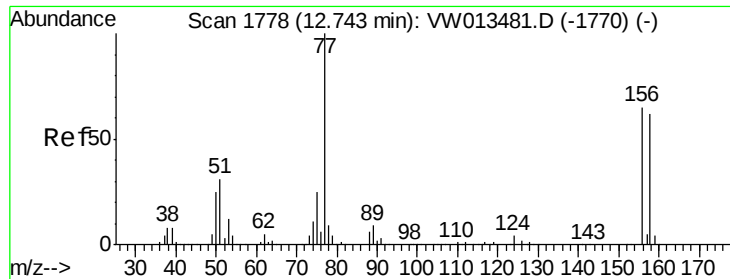
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.483 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

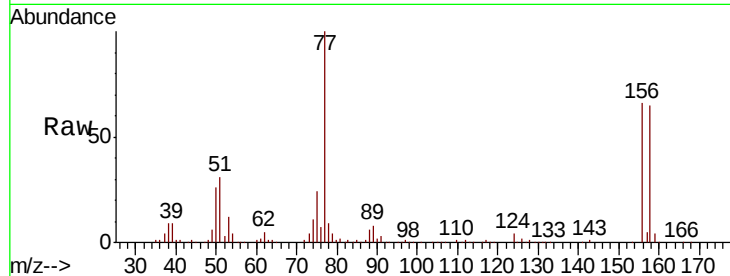
Tot Ion:156 Resp: 76477

Ion Ratio Lower Upper

156 100

77 168.9 83.7 251.0

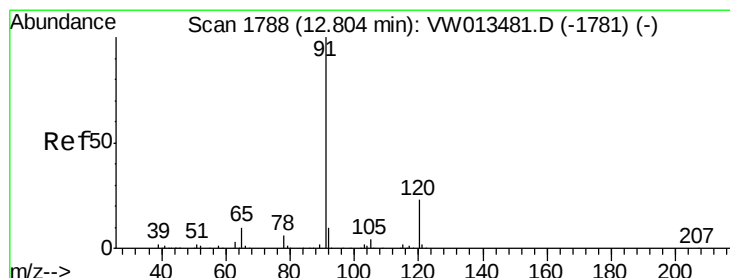
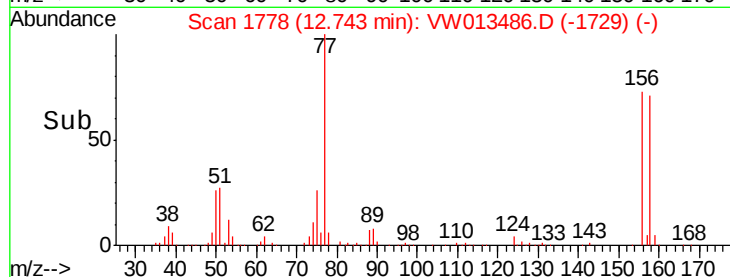
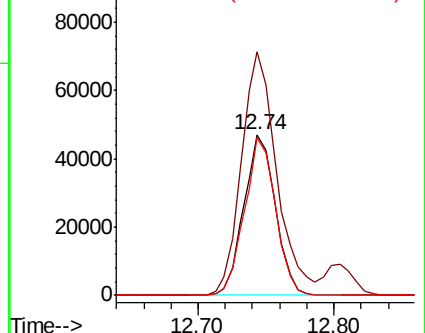
158 96.7 49.0 147.0



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: 20.591 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013486.D

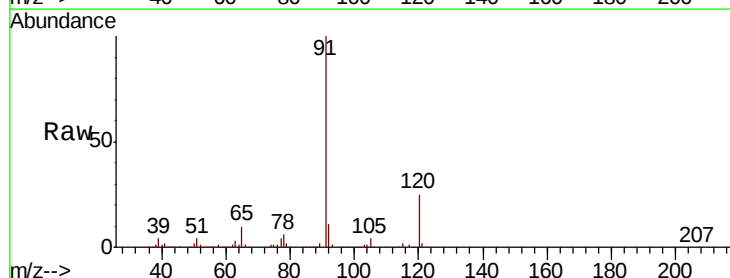
Acq: 08 Oct 2019 15:01

Tgt Ion: 91 Resp: 375067

Ion Ratio Lower Upper

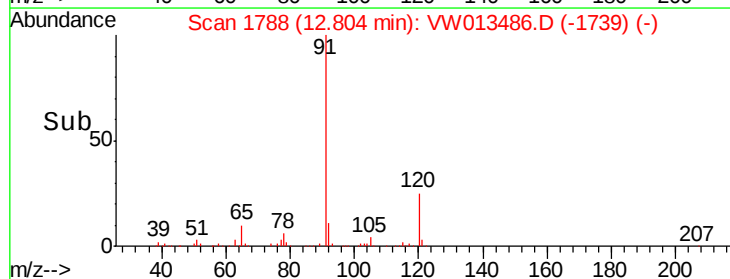
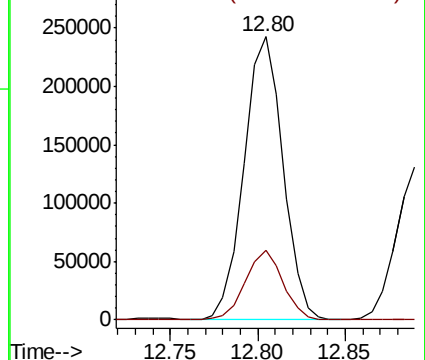
91 100

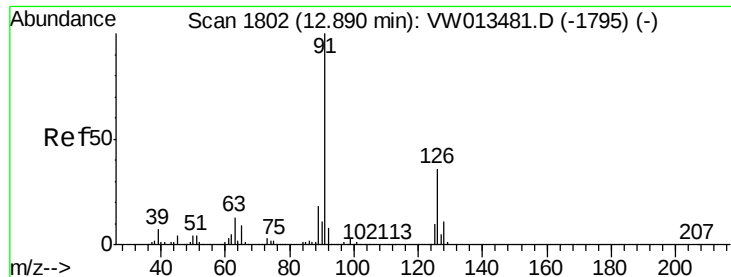
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.538 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

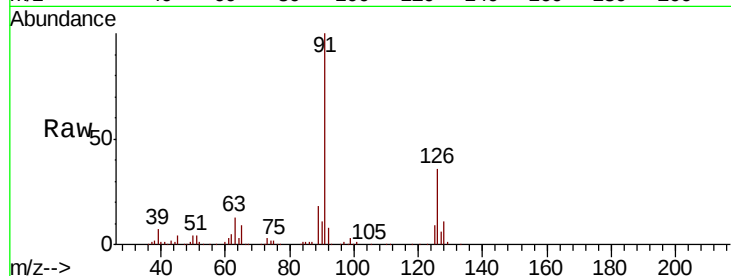
ClientSampled :

Tot Ion: 91 Resp: 209590

Ion Ratio Lower Upper

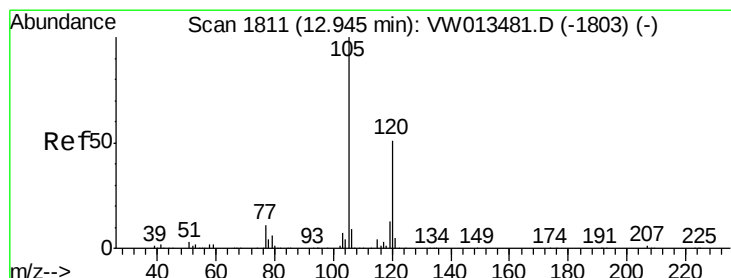
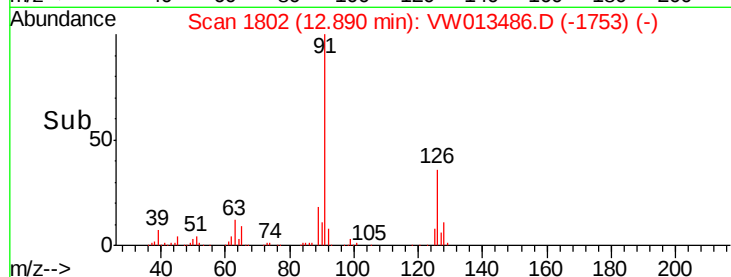
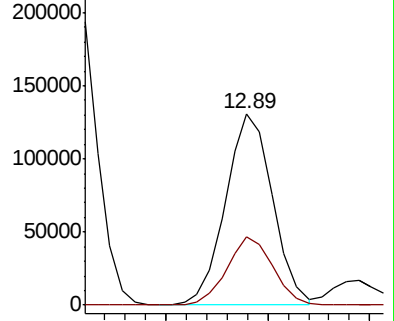
91 100

126 35.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.664 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013486.D

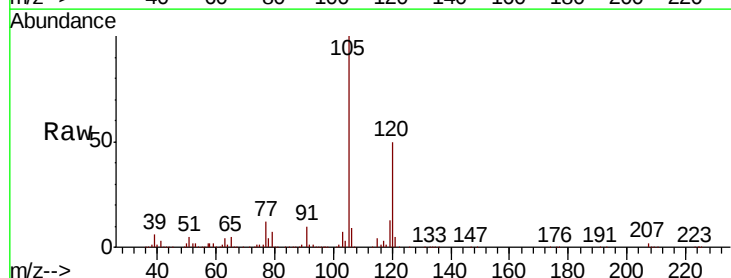
Acq: 08 Oct 2019 15:01

Tgt Ion: 105 Resp: 270448

Ion Ratio Lower Upper

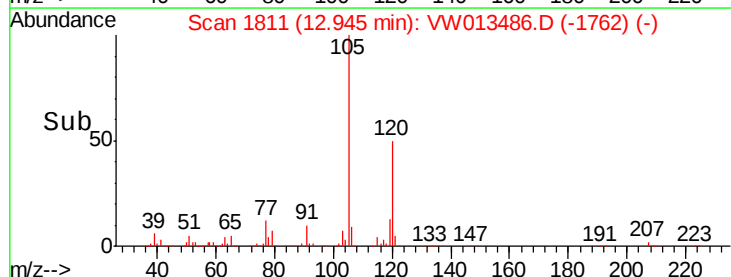
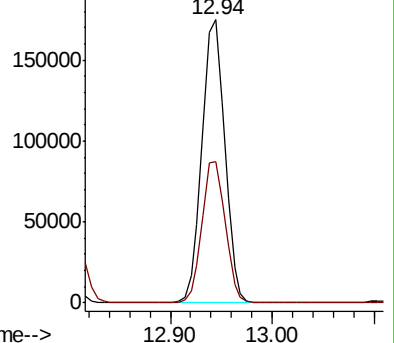
105 100

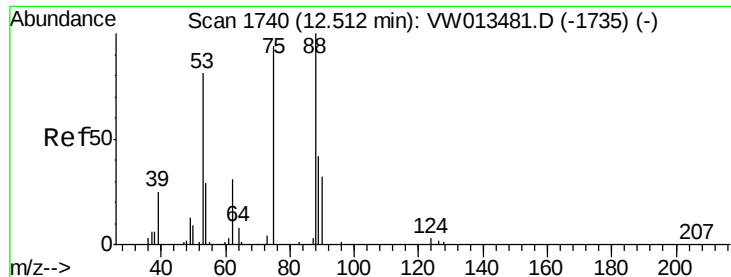
120 50.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.336 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

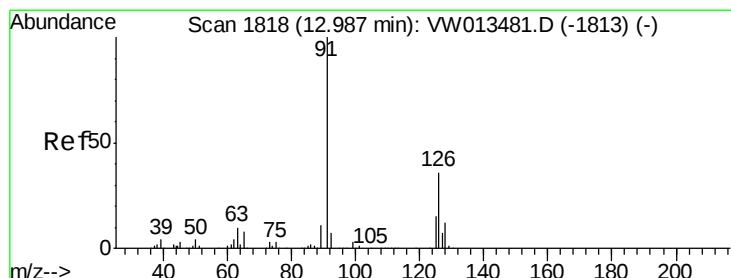
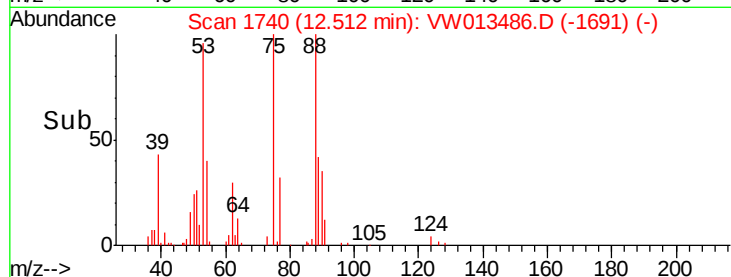
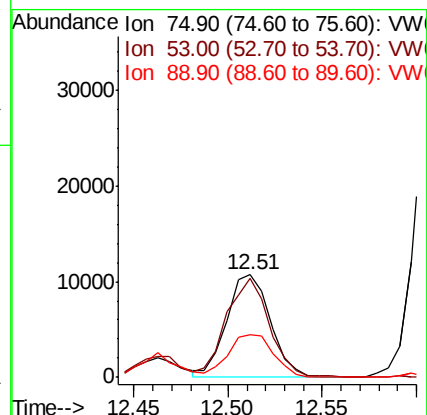
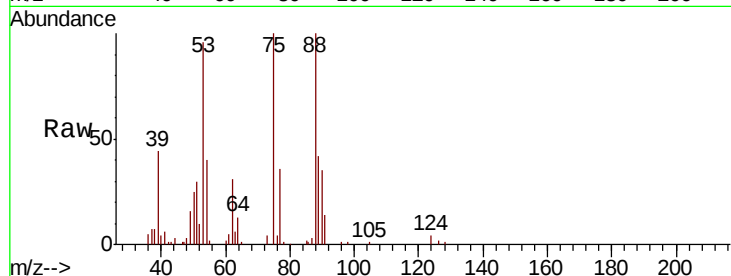
Tot Ion: 75 Resp: 17324

Ion Ratio Lower Upper

75 100

53 95.5 71.0 106.6

89 43.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.802 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013486.D

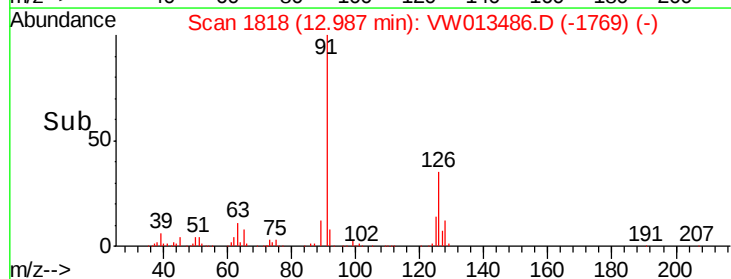
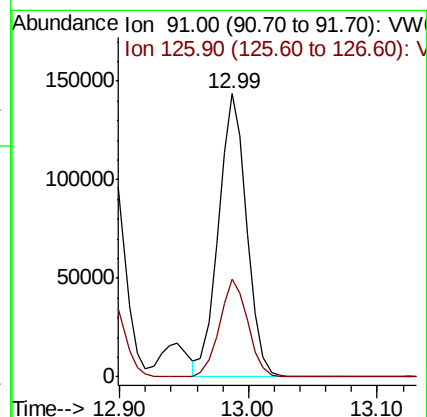
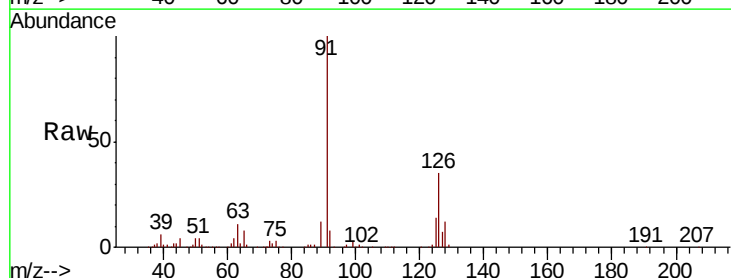
Acq: 08 Oct 2019 15:01

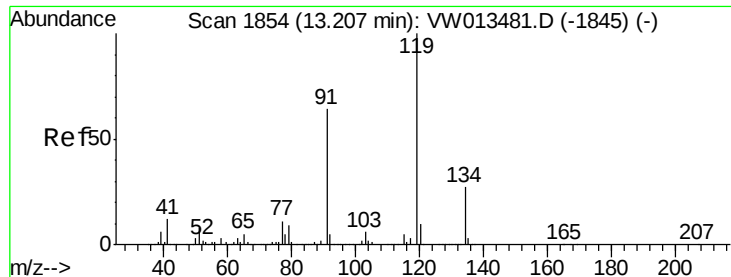
Tgt Ion: 91 Resp: 220335

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6

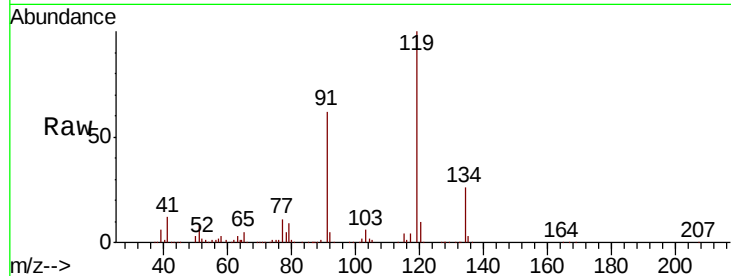




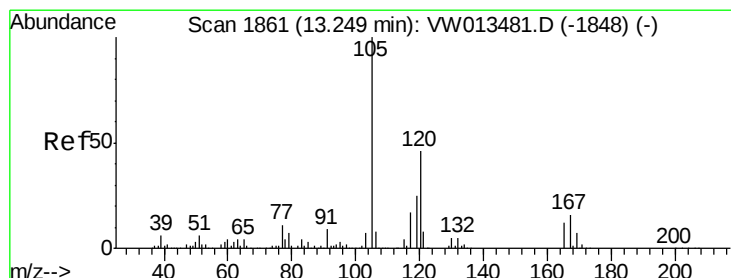
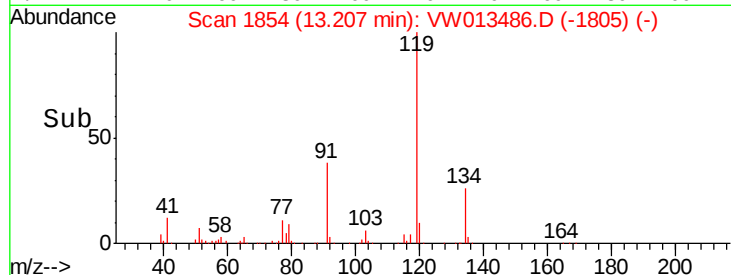
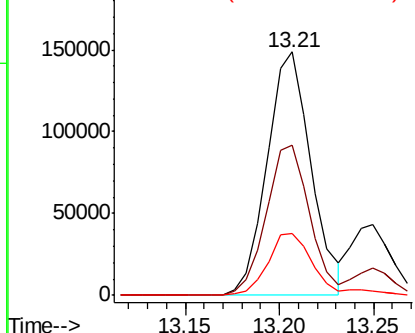
#83
tert-Butylbenzene
Concen: 20.751 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 241197
Ion Ratio Lower Upper
119 100
91 60.9 30.6 91.6
134 27.2 13.8 41.3

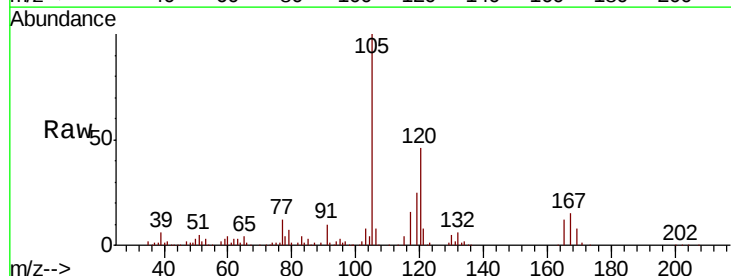


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

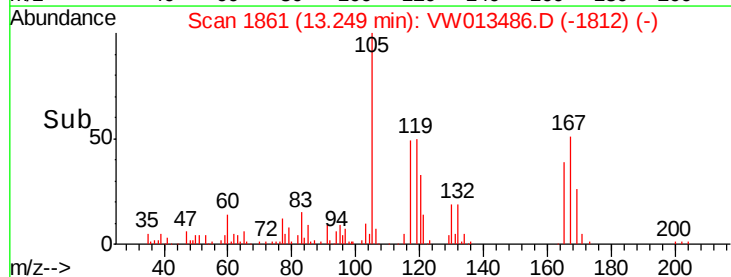
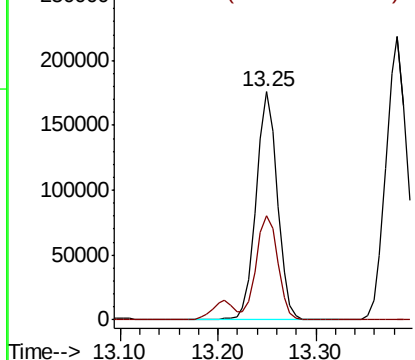


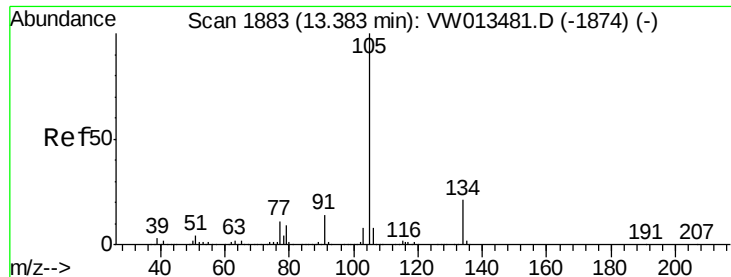
#84
1,2,4-Trimethylbenzene
Concen: 20.630 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion:105 Resp: 267044
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 20.464 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

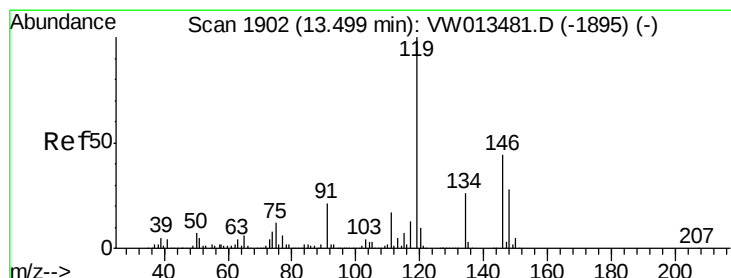
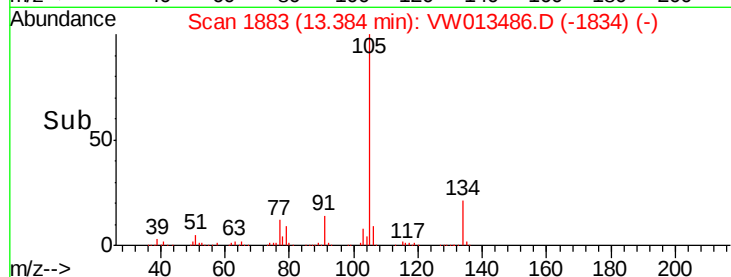
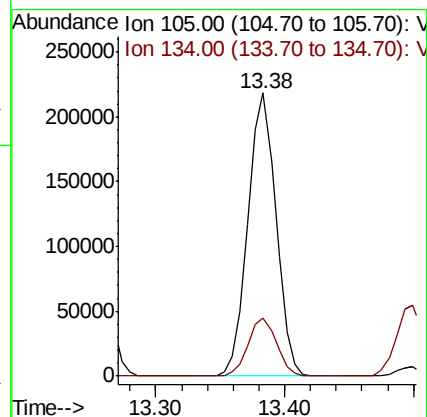
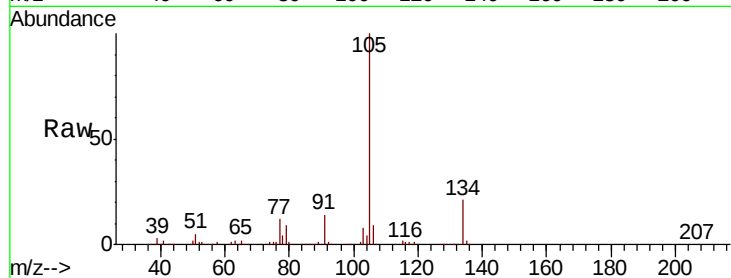
ClientSampleId :

Tot Ion:105 Resp: 328645

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.903 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

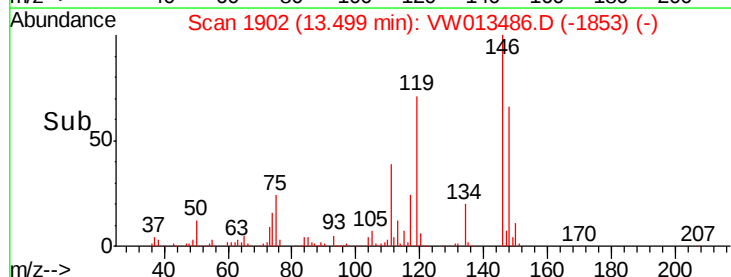
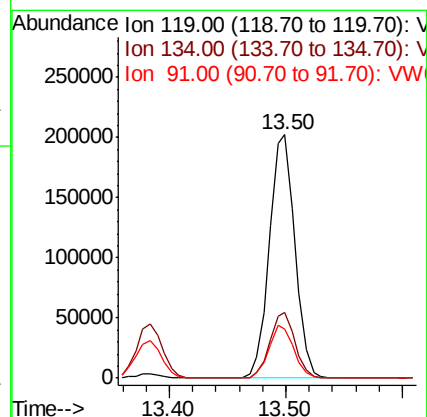
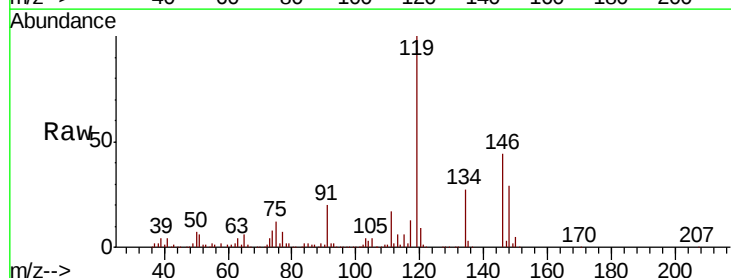
Tgt Ion:119 Resp: 308439

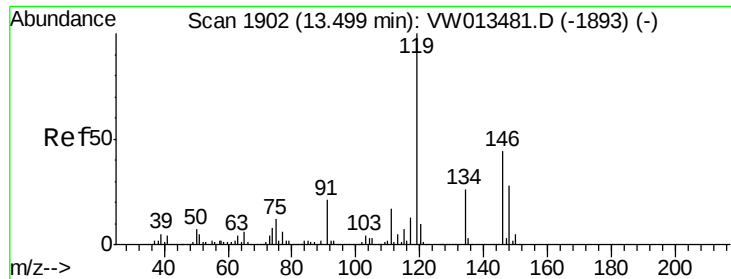
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 21.2 10.8 32.3

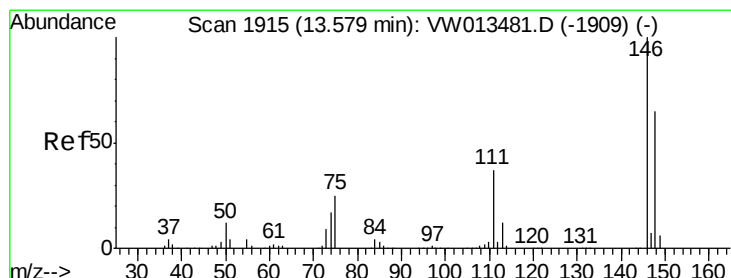
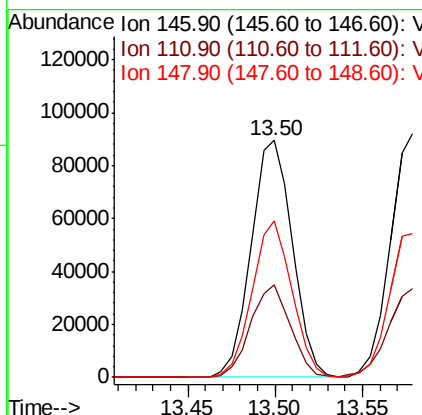
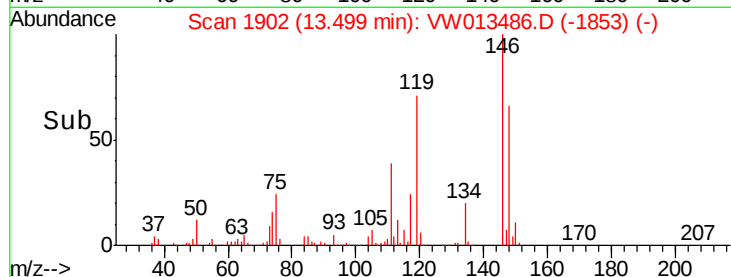
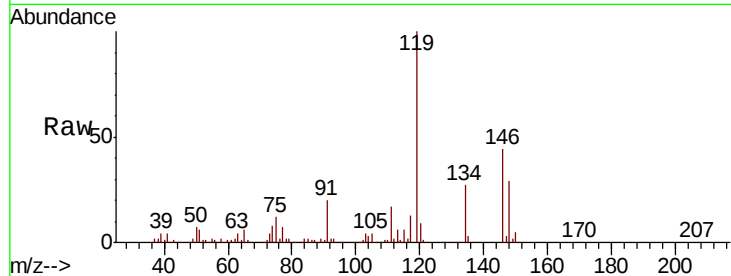




#87
 1,3-Dichlorobenzene
 Concen: 20.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

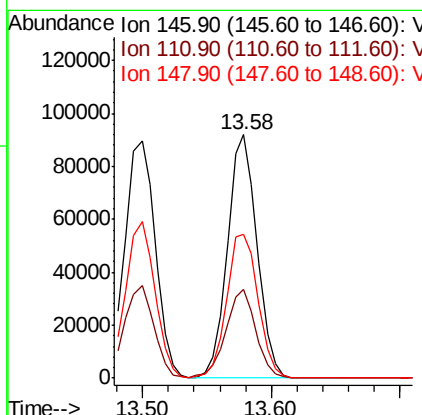
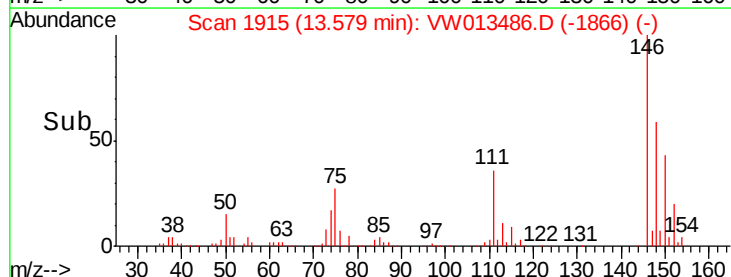
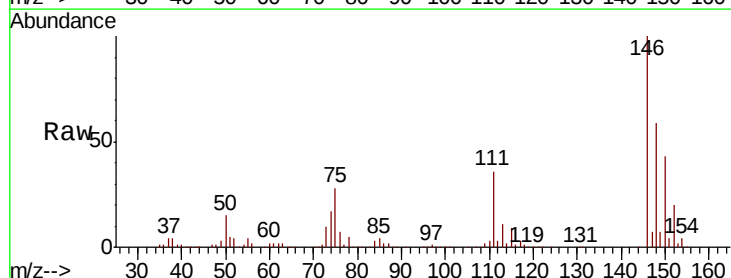
Instrument :
 MSVOA_W
 ClientSampled :

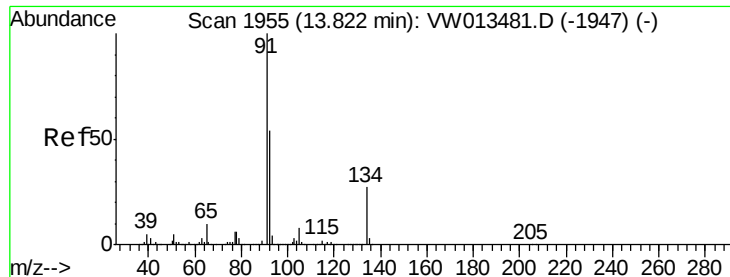
Tot Ion:146 Resp: 146828
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 63.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion:146 Resp: 147317
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.4
 148 62.9 32.0 96.2





#89

n-Butylbenzene

Concen: 20.855 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampled :

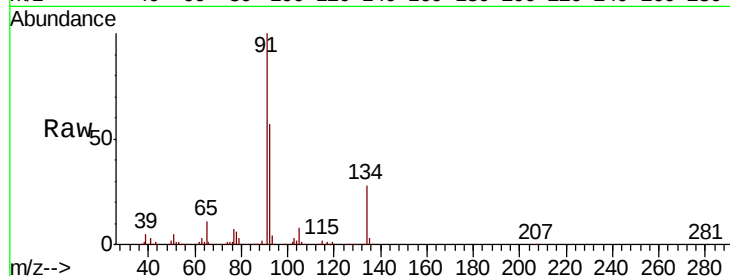
Tot Ion: 91 Resp: 277986

Ion Ratio Lower Upper

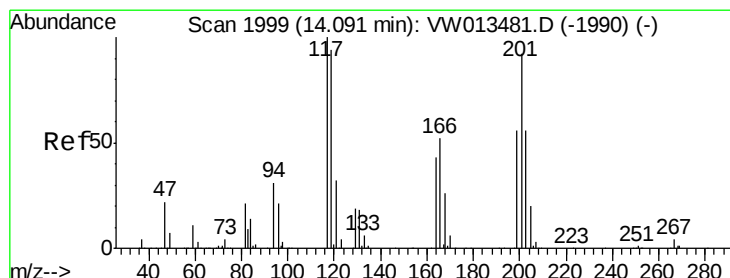
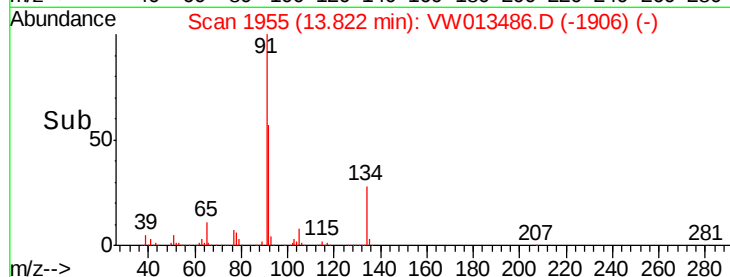
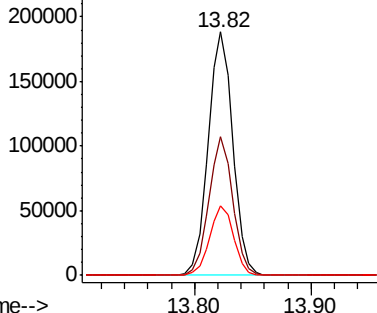
91 100

92 55.1 27.5 82.4

134 28.0 13.8 41.3



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: 20.473 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013486.D

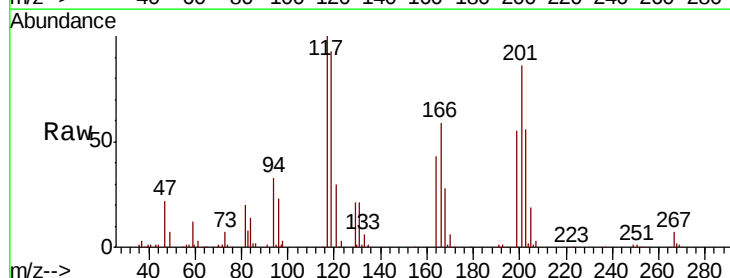
Acq: 08 Oct 2019 15:01

Tgt Ion: 117 Resp: 51690

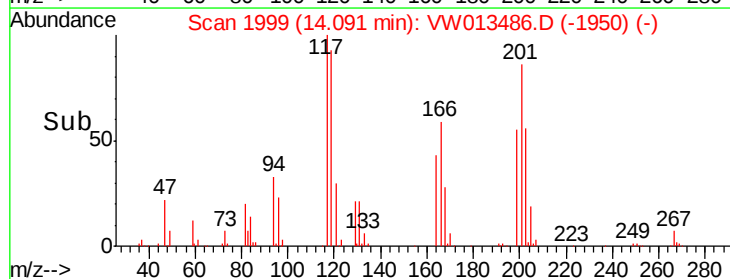
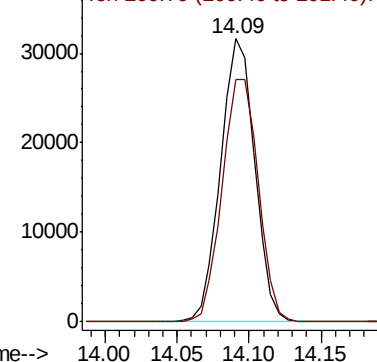
Ion Ratio Lower Upper

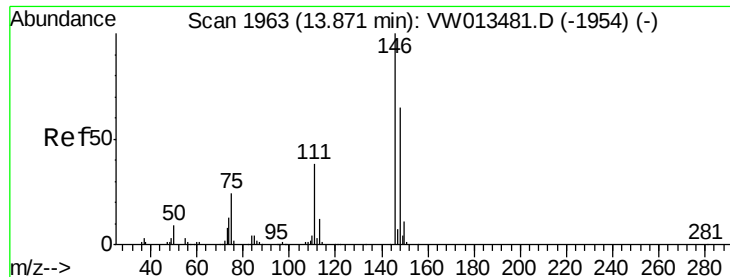
117 100

201 90.9 46.9 140.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

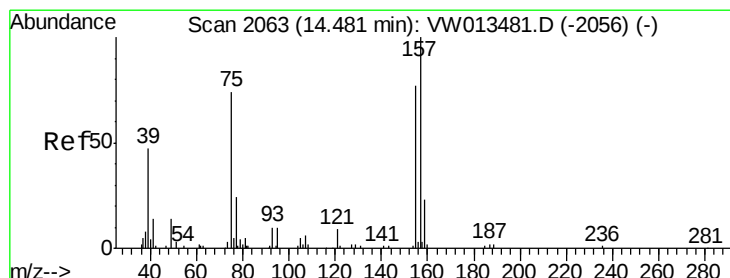
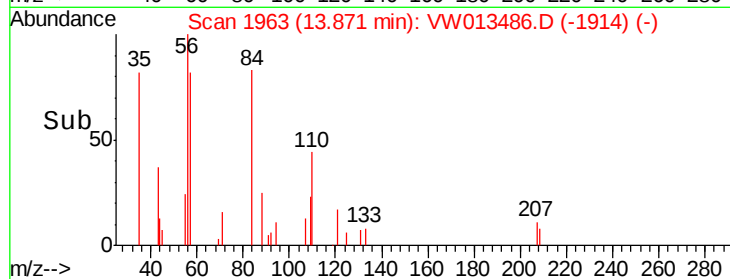
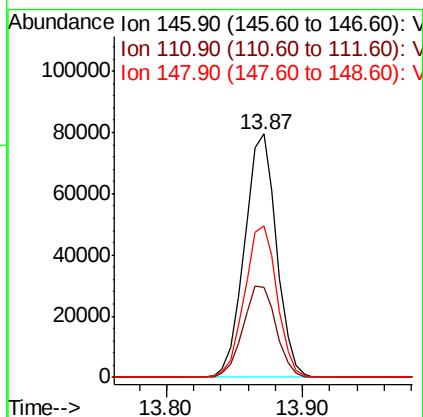
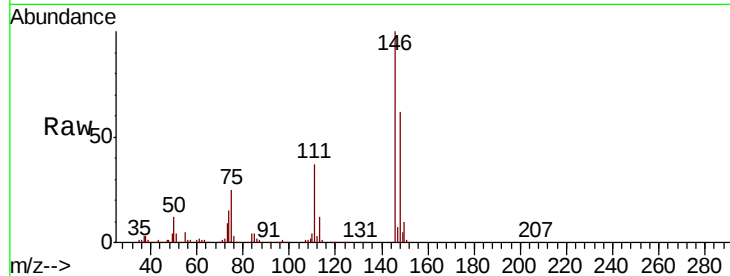




#91
 1,2-Dichlorobenzene
 Concen: 20.917 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

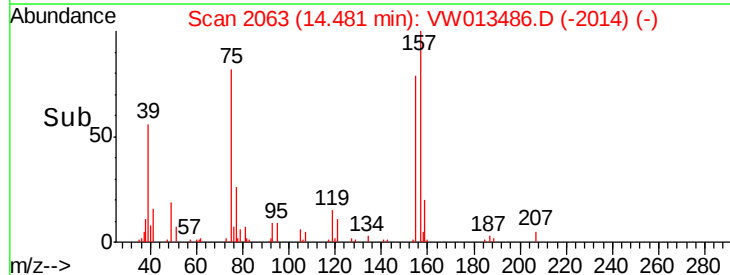
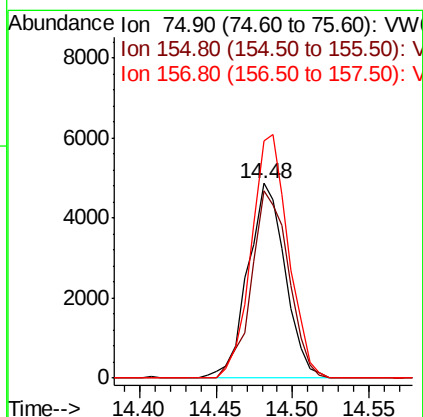
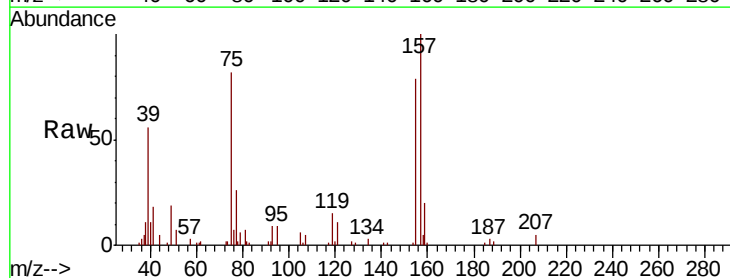
Instrument :
 MSVOA_W
 ClientSampleId :

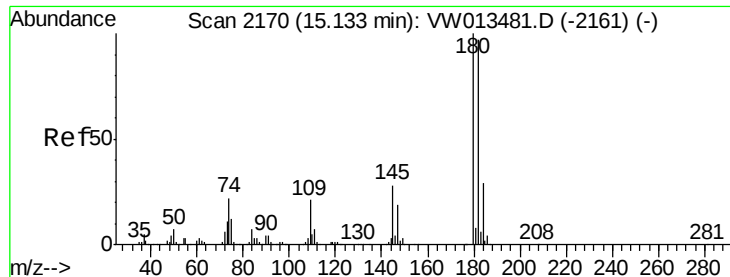
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.3	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.277 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	51.0	153.1
157	124.1	65.9	197.7

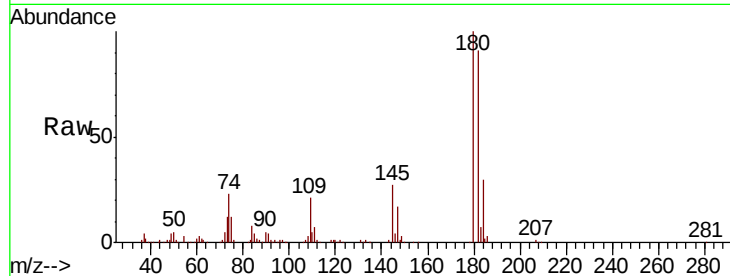




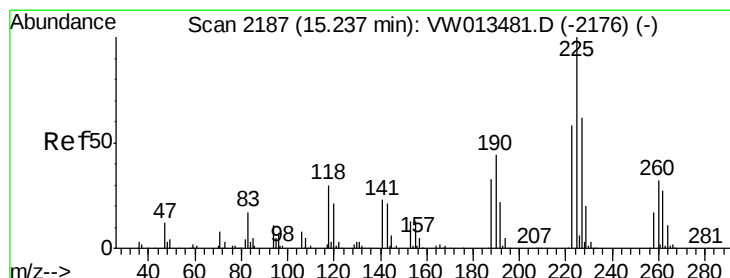
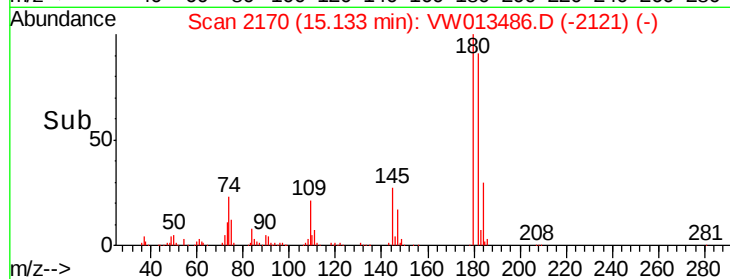
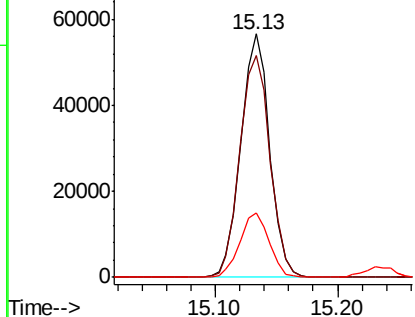
#93
 1,2,4-Trichlorobenzene
 Concen: 20.900 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 92330
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 26.9 14.0 41.9

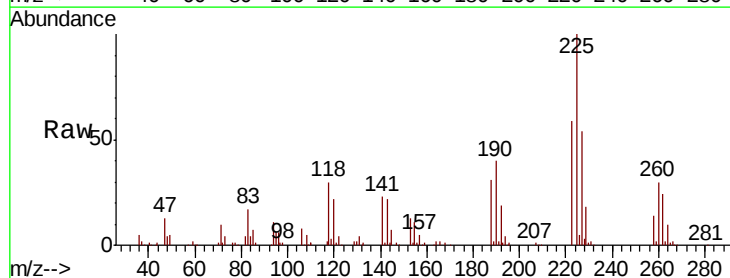


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

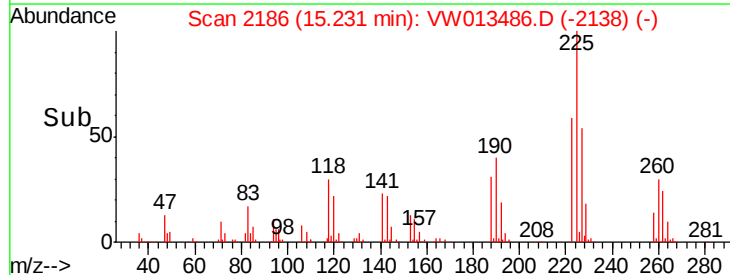
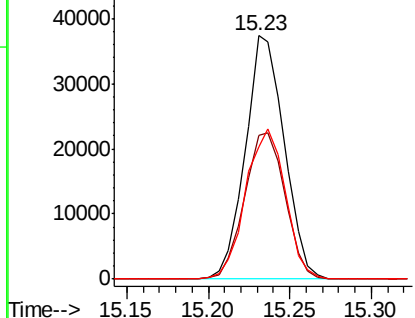


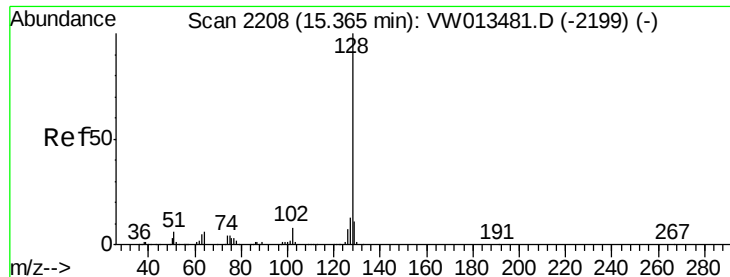
#94
 Hexachlorobutadiene
 Concen: 21.159 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion:225 Resp: 62116
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.3 90.9
 227 63.1 32.0 96.0



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

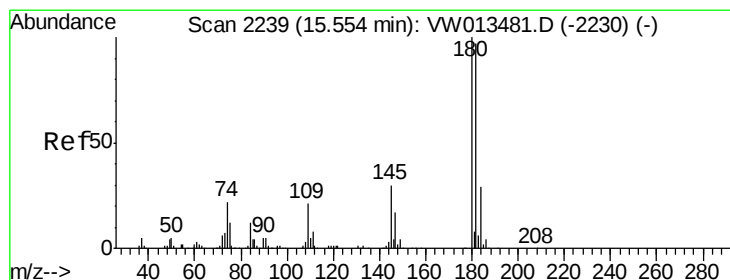
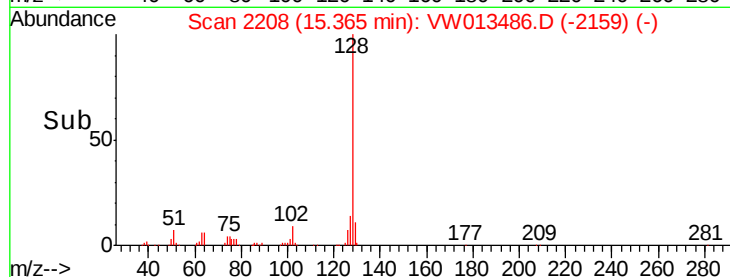
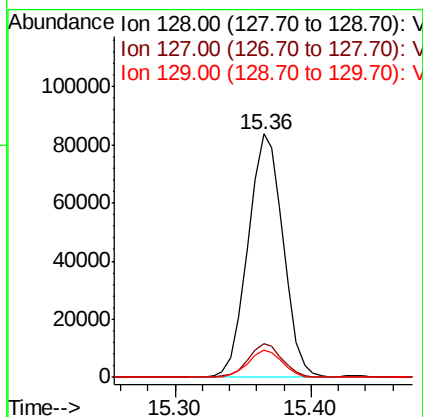
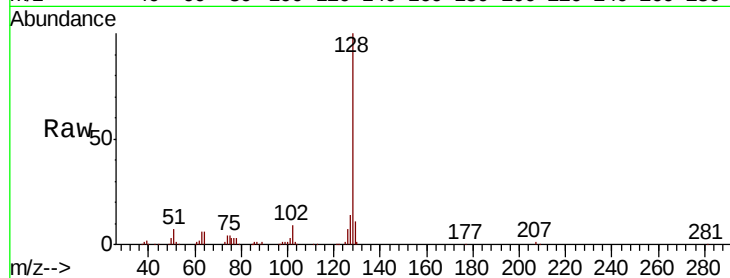




#95
Naphthalene
Concen: 19.822 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 151475
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.954 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion:180 Resp: 80946
Ion Ratio Lower Upper
180 100
182 94.9 47.7 143.1
145 28.4 14.9 44.9

