

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012344.D
 Acq On : 30 Aug 2019 11:34
 Operator : SY/VA
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 15:50:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135758	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.88	113	106269	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	432972	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.62	95	154112	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	23252	17.291	ug/l	98
3) Chloromethane	2.21	50	40894	19.629	ug/l	100
4) Vinyl Chloride	2.36	62	47583	18.660	ug/l	96
5) Bromomethane	2.73	94	22998	17.808	ug/l	92
6) Chloroethane	2.91	64	26991	18.764	ug/l	98
7) Trichlorofluoromethane	3.25	101	24891	19.440	ug/l	100
8) Diethyl Ether	3.68	74	24146	19.867	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42300	19.435	ug/l	96
10) Methyl Iodide	4.27	142	54604	18.543	ug/l	98
11) Tert butyl alcohol	5.16	59	19431	124.370	ug/l	100
12) 1,1-Dichloroethene	4.04	96	41978	19.163	ug/l	96
13) Acrolein	3.89	56	12988	88.313	ug/l	94
14) Allyl chloride	4.66	41	89767	19.168	ug/l	100
15) Acrylonitrile	5.37	53	65334	108.456	ug/l	97
16) Acetone	4.12	43	68949	103.896	ug/l	100
17) Carbon Disulfide	4.38	76	106956	16.156	ug/l	99
18) Methyl Acetate	4.67	43	38969	23.708	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	75286	21.252	ug/l	97
20) Methylene Chloride	4.92	84	50100	19.970	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	44684	19.022	ug/l	97
22) Diisopropyl ether	6.31	45	177134	20.406	ug/l	99
23) Vinyl Acetate	6.25	43	545401	102.093	ug/l	100
24) 1,1-Dichloroethane	6.21	63	94334	19.959	ug/l	99
25) 2-Butanone	7.17	43	98804	109.563	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54018	20.192	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49886	19.877	ug/l	98
28) Bromochloromethane	7.51	49	45141	21.913	ug/l	99
29) Tetrahydrofuran	7.53	42	61582	113.821	ug/l	99
30) Chloroform	7.67	83	87773	20.298	ug/l	99
31) Cyclohexane	7.95	56	85293	18.240	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	68644	20.067	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69615	19.473	ug/l	99
37) Ethyl Acetate	7.25	43	42683	21.788	ug/l	99
38) Carbon Tetrachloride	8.07	117	61607	19.911	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76314	19.002	ug/l	98
40) Benzene	8.32	78	193587	19.832	ug/l	99
41) Methacrylonitrile	7.48	41	26304	22.846	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62783	20.522	ug/l	99
43) Isopropyl Acetate	8.42	43	79272	21.846	ug/l	99
44) Trichloroethene	9.09	130	47761	20.127	ug/l	99
45) 1,2-Dichloropropane	9.37	63	52813	20.103	ug/l	97
46) Dibromomethane	9.46	93	24249	20.746	ug/l	98
47) Bromodichloromethane	9.64	83	61798	19.865	ug/l	99
48) Methyl methacrylate	9.43	41	37922	21.958	ug/l	98
49) 1,4-Dioxane	9.44	88	8204	458.474	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	212001	114.866	ug/l	100
52) Toluene	10.38	92	116817	19.921	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	63938	20.177	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	76203	19.916	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35329	21.362	ug/l	97
56) Ethyl methacrylate	10.65	69	52368	21.757	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66975	21.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	139134	112.631	ug/l	100
59) 2-Hexanone	10.97	43	148882	114.006	ug/l	100
60) Dibromochloromethane	11.13	129	37222	20.207	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32800	21.289	ug/l	99
64) Tetrachloroethene	10.86	164	38708	19.891	ug/l	97
65) Chlorobenzene	11.66	112	120444	20.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41738	20.243	ug/l	97
67) Ethyl Benzene	11.73	91	228215	20.045	ug/l	100
68) m/p-Xylenes	11.84	106	165830	40.436	ug/l	100
69) o-Xylene	12.16	106	77775	20.491	ug/l	99
70) Styrene	12.18	104	133171	20.270	ug/l	99
71) Bromoform	12.35	173	21642	21.068	ug/l #	99
73) Isopropylbenzene	12.46	105	219506	19.618	ug/l	98
74) N-amyl acetate	12.27	43	74150	21.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43496	21.204	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57611	39.614	ug/l #	100
77) Bromobenzene	12.74	156	47660	19.689	ug/l	98
78) n-propylbenzene	12.80	91	268751	19.675	ug/l	99
79) 2-Chlorotoluene	12.89	91	151260	19.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	188414	20.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13493	20.342	ug/l	96
82) 4-Chlorotoluene	12.99	91	162106	19.963	ug/l	99
83) tert-Butylbenzene	13.21	119	160336	20.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	186803	19.890	ug/l	99
85) sec-Butylbenzene	13.38	105	228582	20.146	ug/l	99
86) p-Isopropyltoluene	13.50	119	206798	20.408	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	94458	19.950	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	94641	20.131	ug/l	99
89) n-Butylbenzene	13.82	91	203611	20.206	ug/l	99
90) Hexachloroethane	14.09	117	34681	19.508	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	86790	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7818	22.608	ug/l	96

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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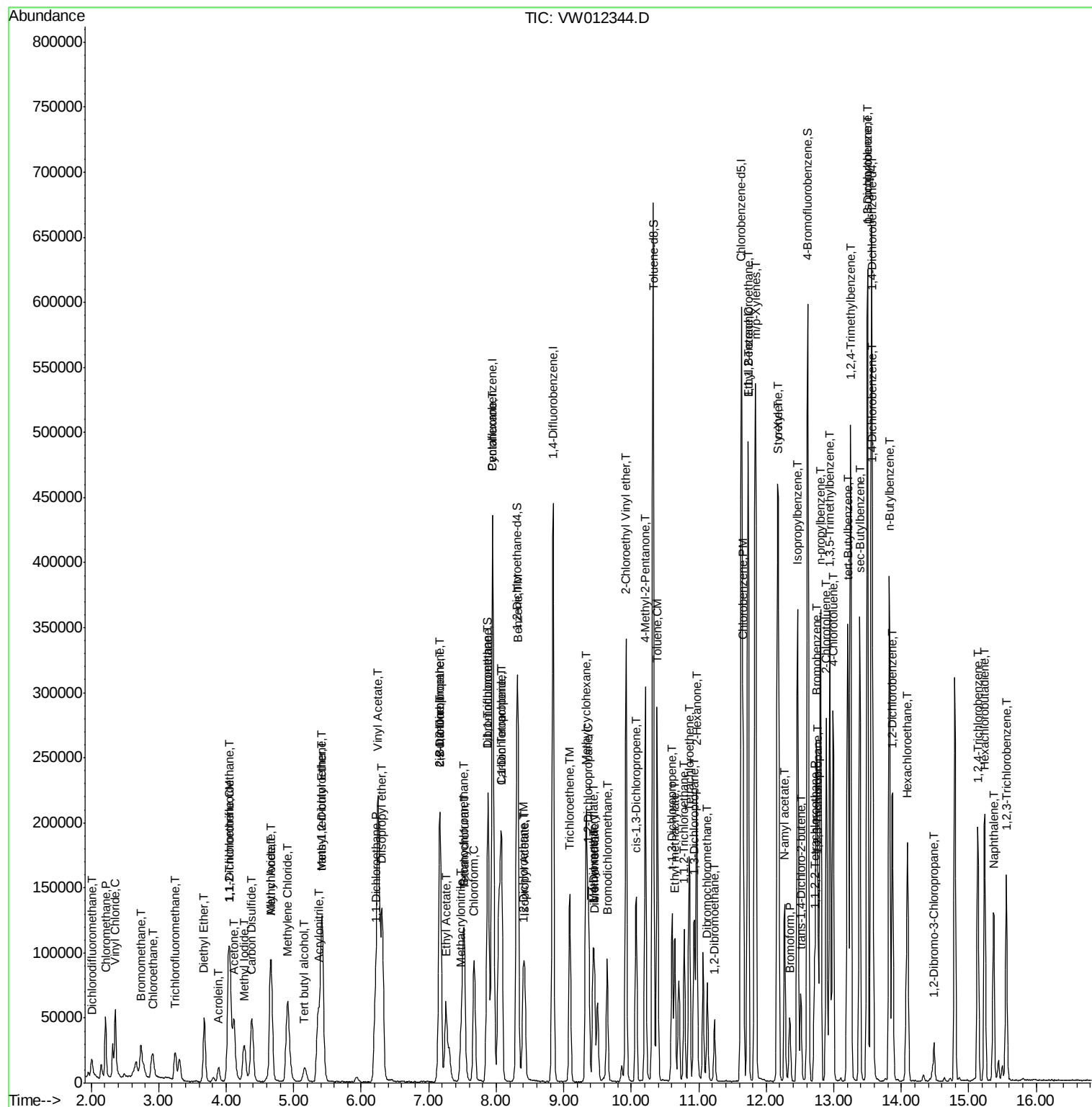
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59974	20.894	ug/l	99
94) Hexachlorobutadiene	15.24	225	41341	21.813	ug/l	99
95) Naphthalene	15.37	128	108165	21.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53263	21.269	ug/l	99

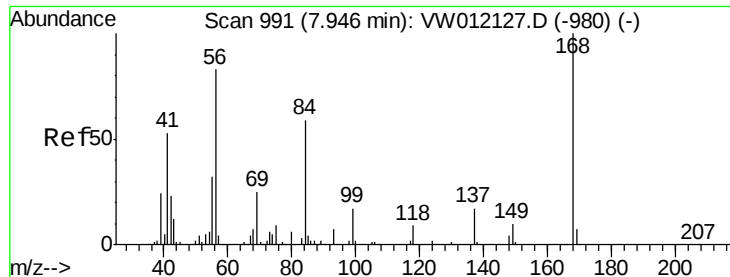
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

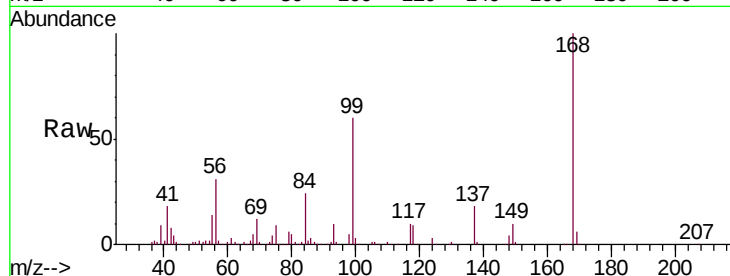
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 218393

Ion Ratio Lower Upper

168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

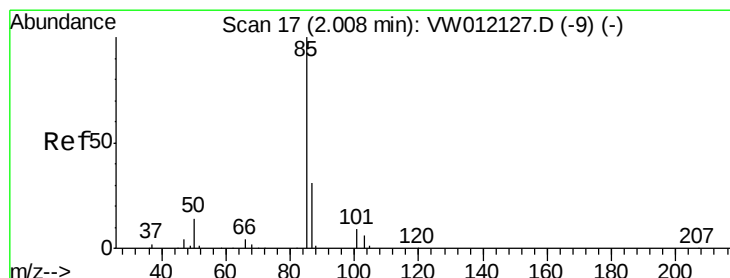
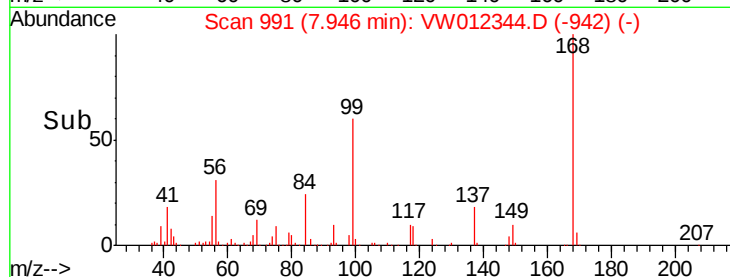
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.291 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012344.D

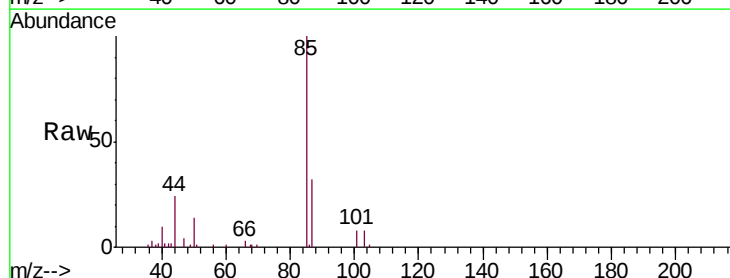
Acq: 30 Aug 2019 11:34

Tgt Ion: 85 Resp: 23252

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

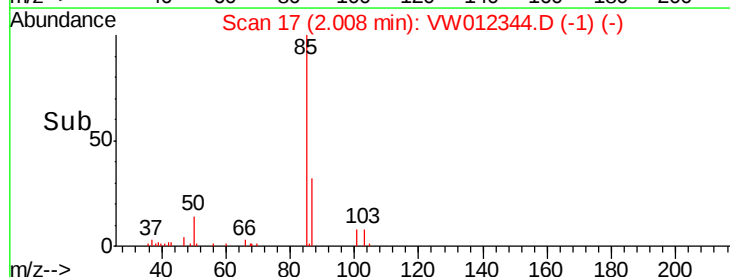
6000

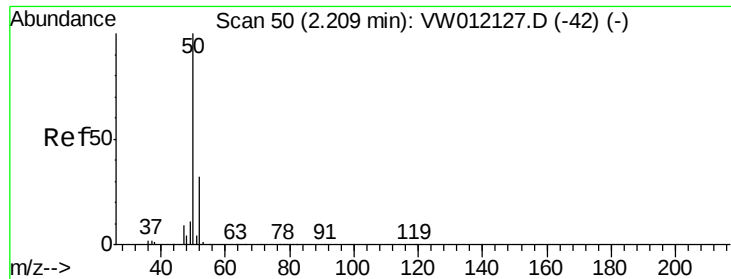
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.629 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

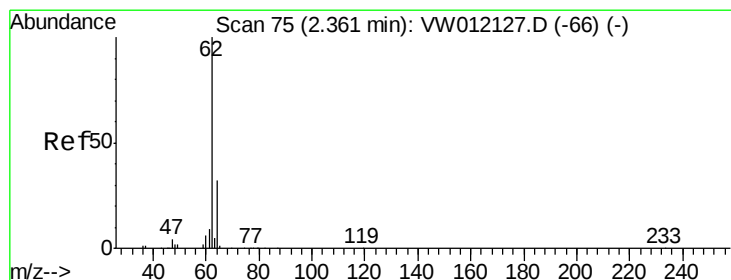
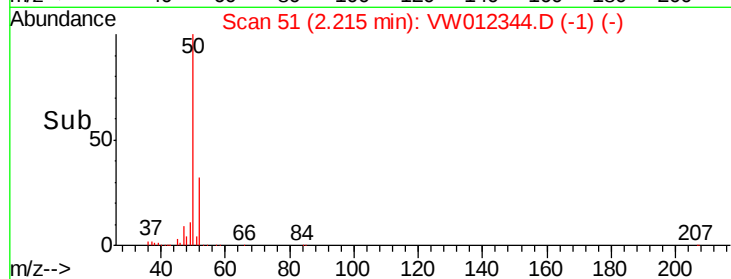
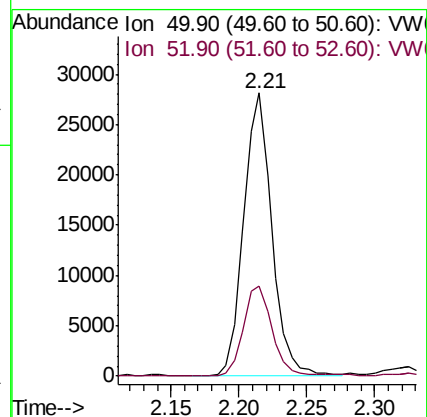
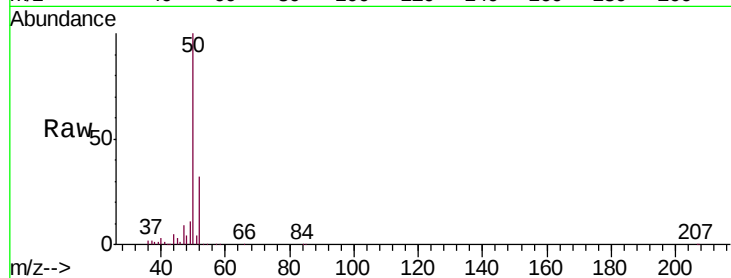
ClientSampleId :

Tot Ion: 50 Resp: 40894

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



#4

Vinyl Chloride

Concen: 18.660 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012344.D

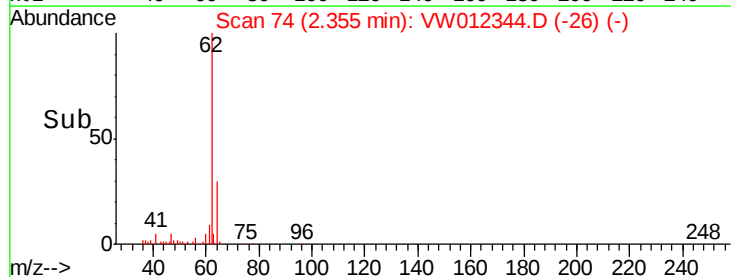
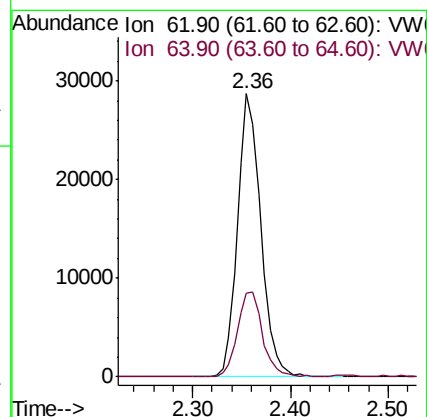
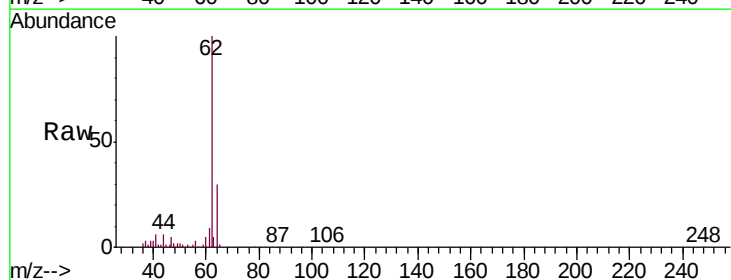
Acq: 30 Aug 2019 11:34

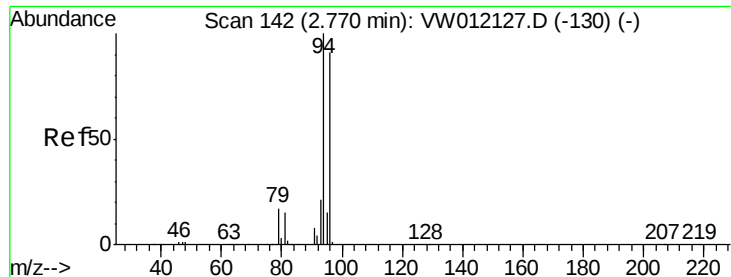
Tgt Ion: 62 Resp: 47583

Ion Ratio Lower Upper

62 100

64 29.5 25.3 37.9





#5

Bromomethane

Concen: 17.808 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

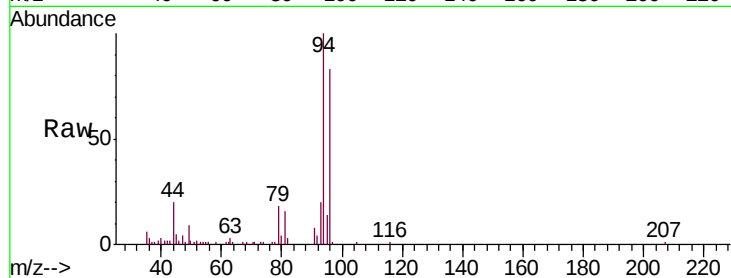
ClientSampleId :

Tot Ion: 94 Resp: 22998

Ion Ratio Lower Upper

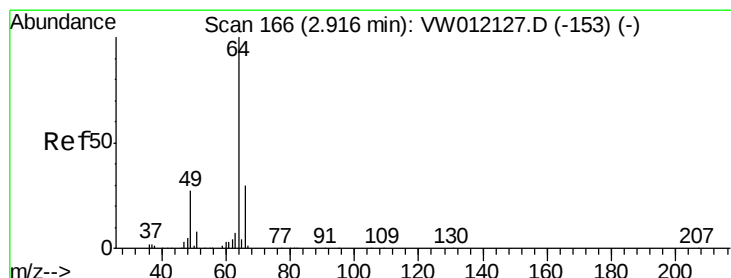
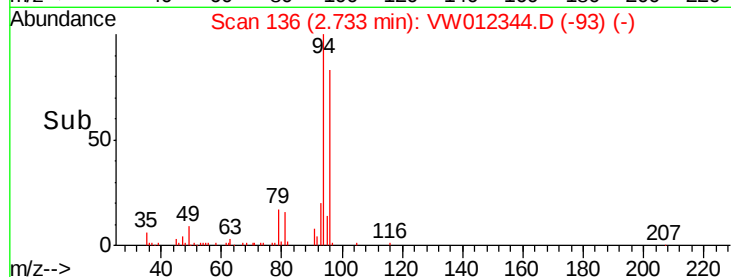
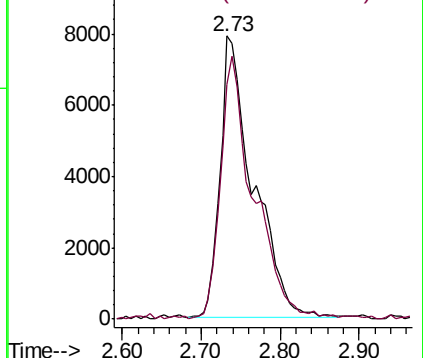
94 100

96 83.7 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.764 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012344.D

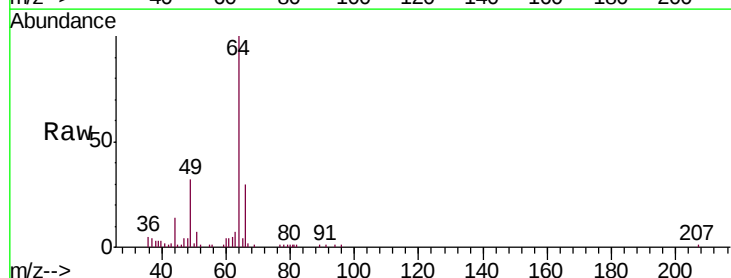
Acq: 30 Aug 2019 11:34

Tgt Ion: 64 Resp: 26991

Ion Ratio Lower Upper

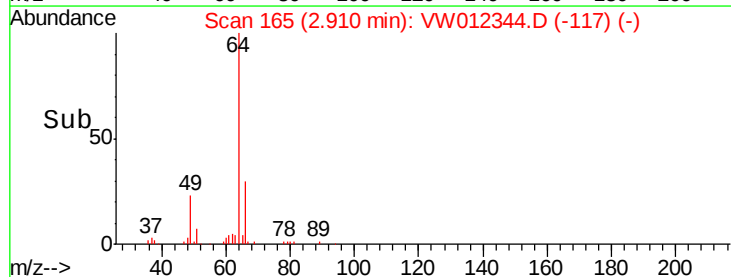
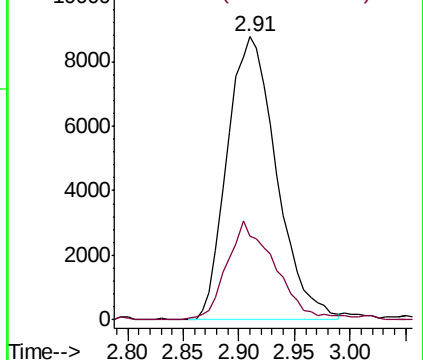
64 100

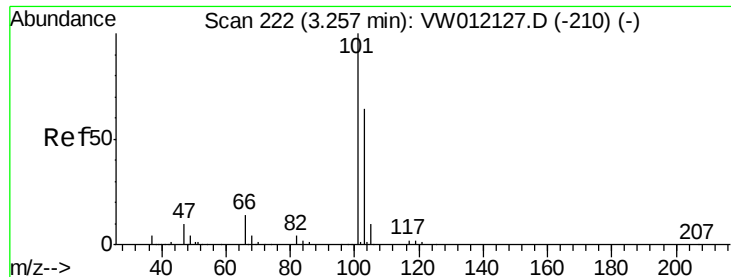
66 28.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



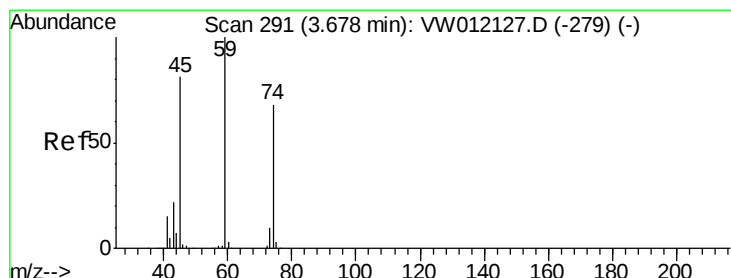
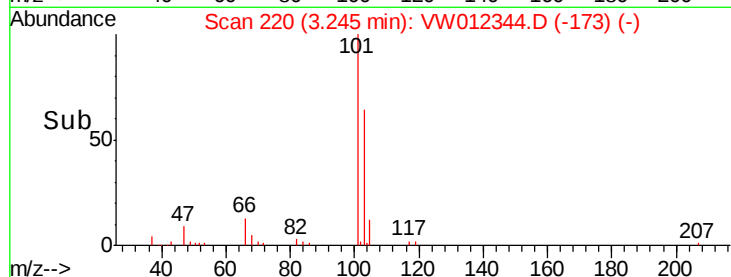
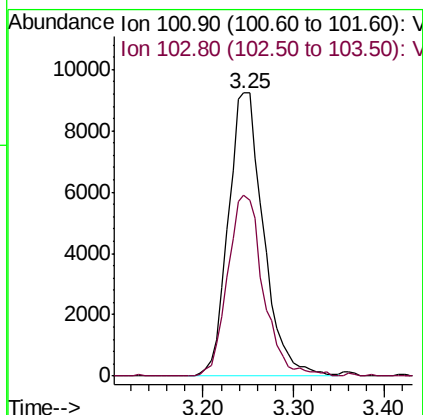
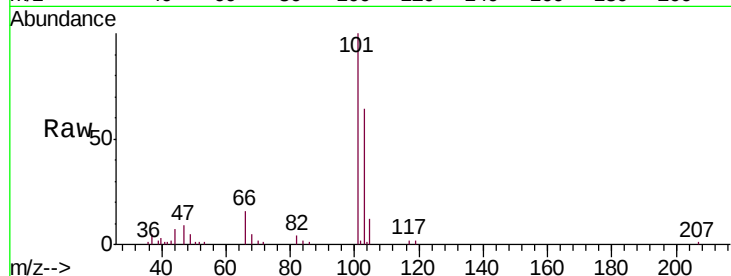


#7

Trichlorofluoromethane
 Concen: 19.440 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampled :

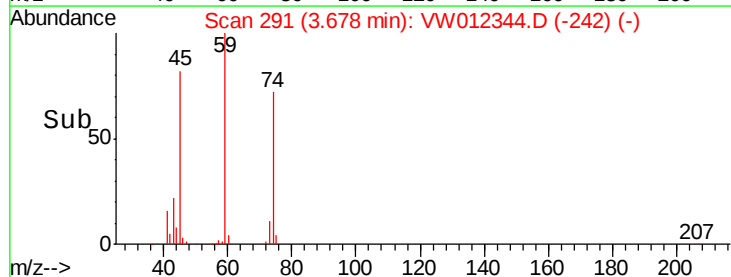
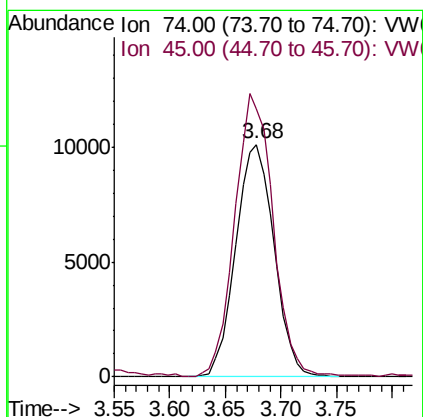
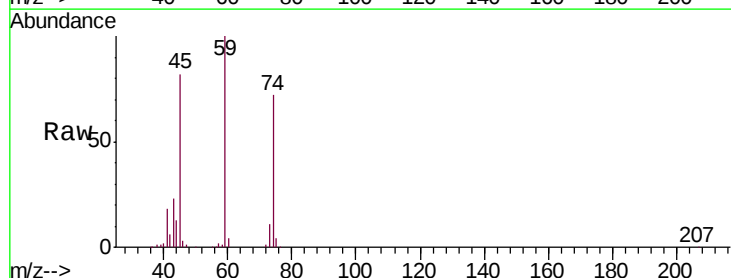
Tot Ion:101 Resp: 24891
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

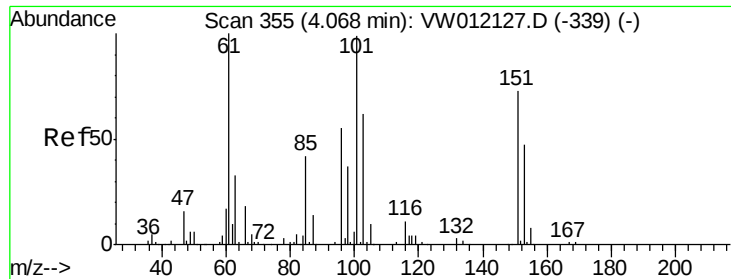


#8

Diethyl Ether
 Concen: 19.867 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 74 Resp: 24146
 Ion Ratio Lower Upper
 74 100
 45 122.0 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.435 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

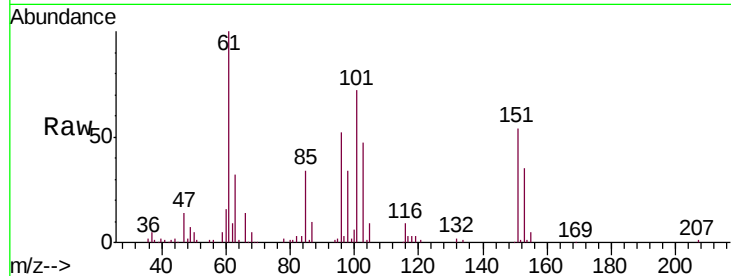
Tot Ion:101 Resp: 42300

Ion Ratio Lower Upper

101 100

85 46.8 35.8 53.6

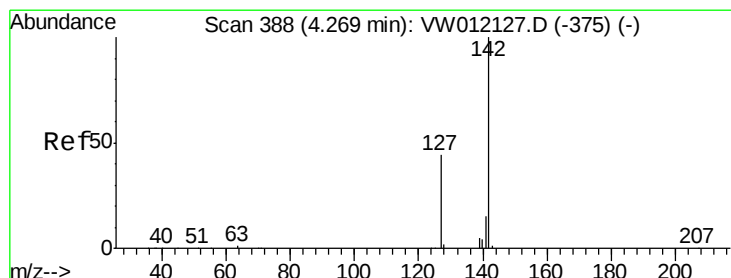
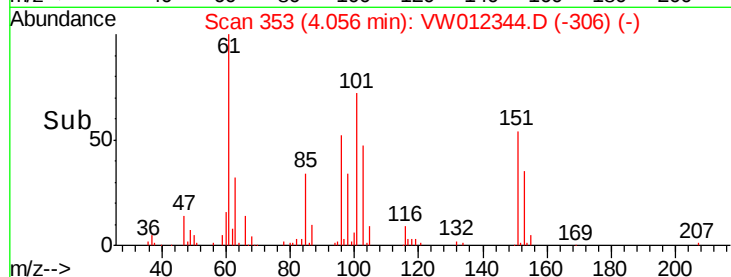
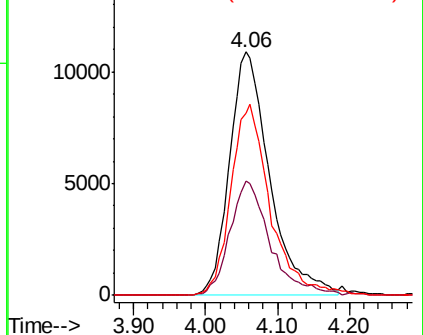
151 77.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.543 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

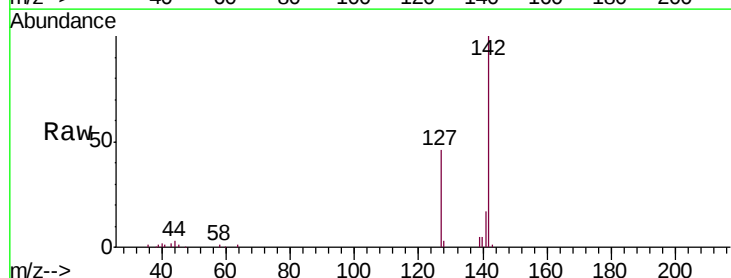
Tgt Ion:142 Resp: 54604

Ion Ratio Lower Upper

142 100

127 45.7 35.5 53.3

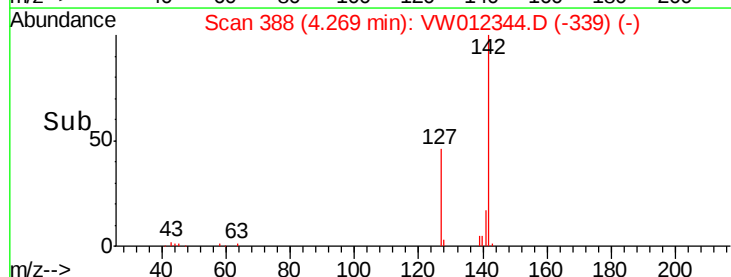
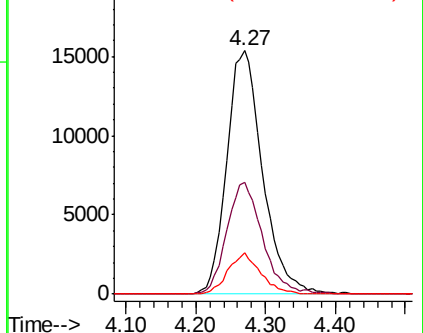
141 15.3 11.8 17.8

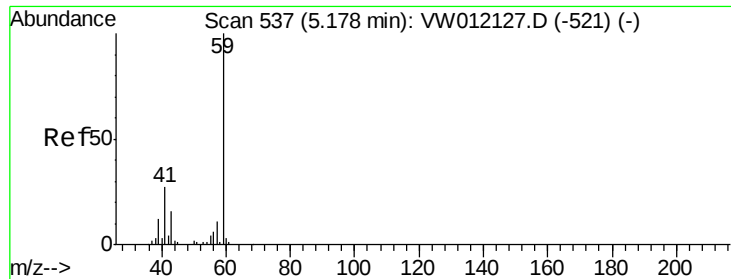


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



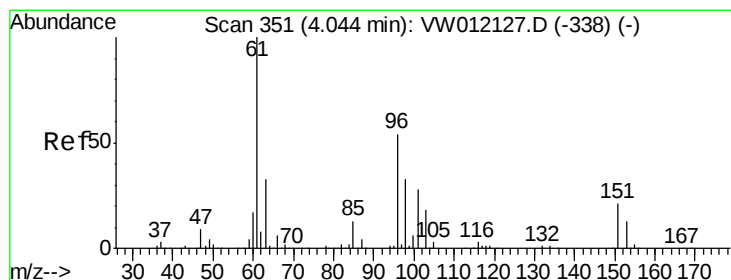
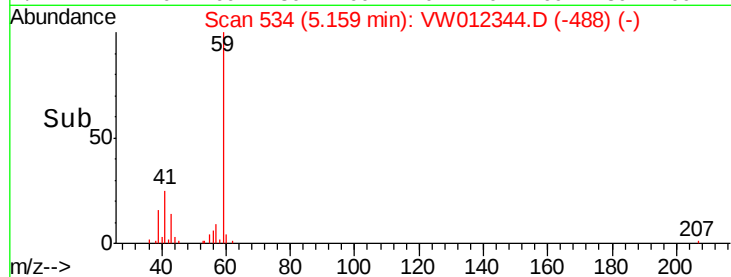
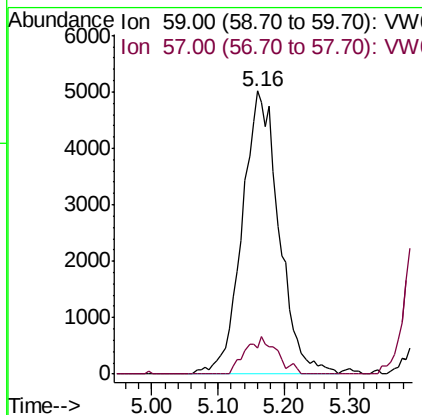
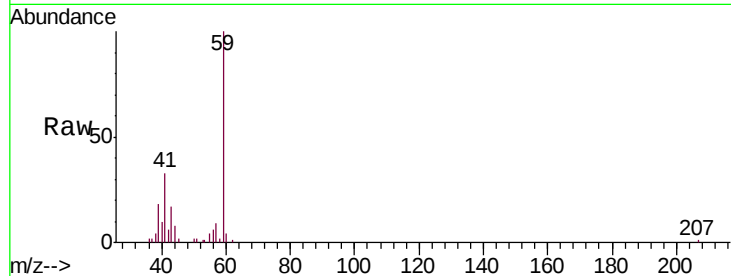


#11

Tert butyl alcohol
Concen: 124.370 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampled :

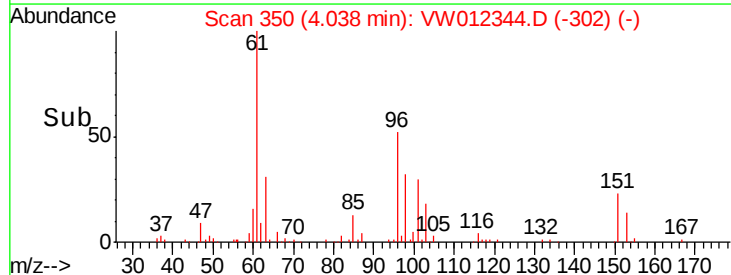
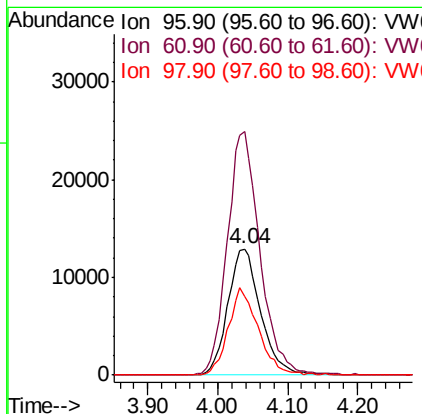
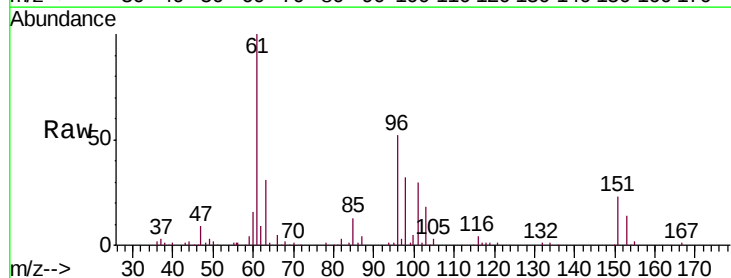
Tot Ion: 59 Resp: 19431
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

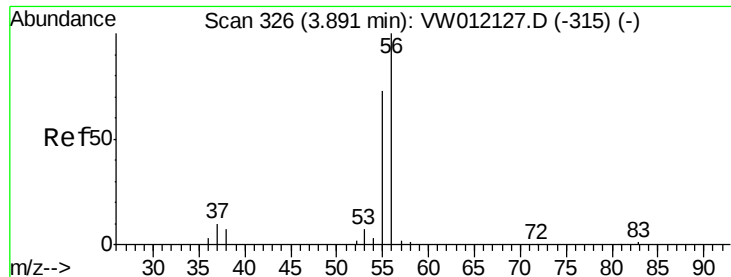


#12

1,1-Dichloroethene
Concen: 19.163 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 96 Resp: 41978
Ion Ratio Lower Upper
96 100
61 193.0 149.1 223.7
98 62.4 49.4 74.2





#13

Acrolein

Concen: 88.313 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

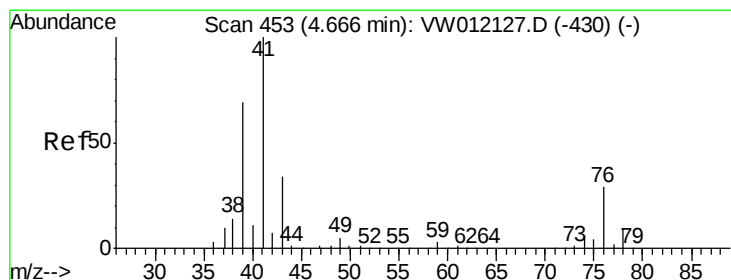
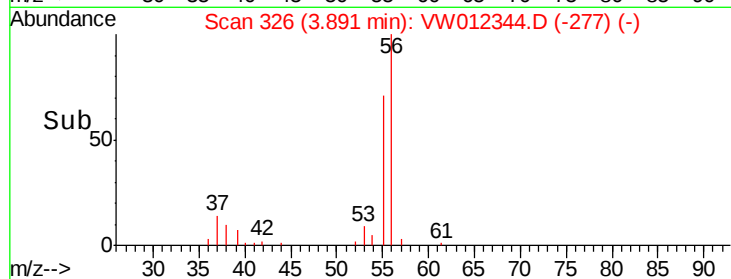
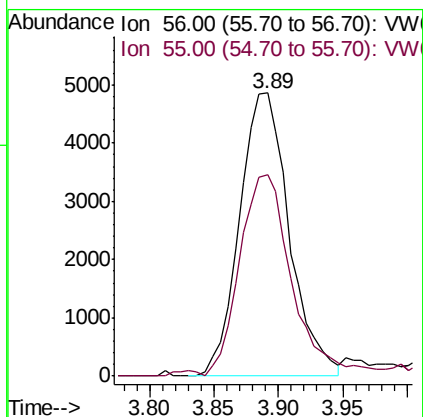
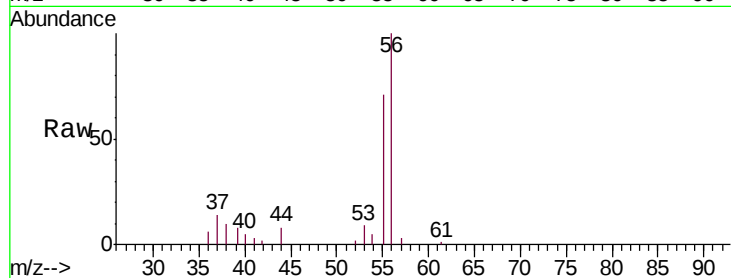
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 12988

Ion Ratio Lower Upper

56 100

55 74.9 55.8 83.8



#14

Allyl chloride

Concen: 19.168 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

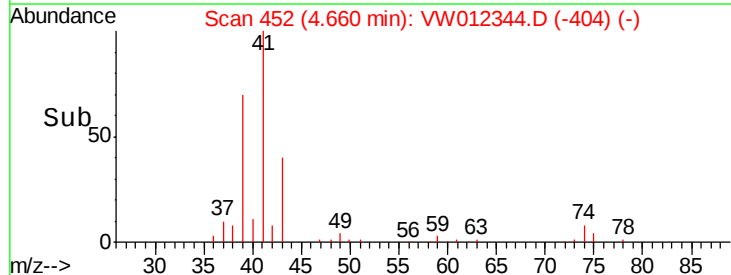
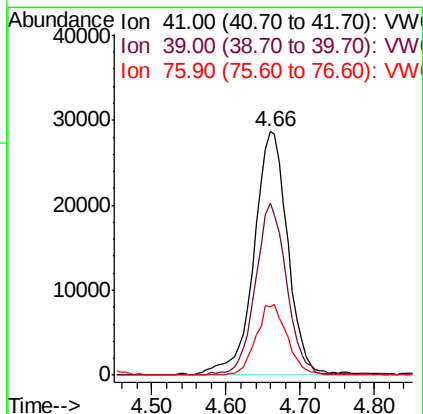
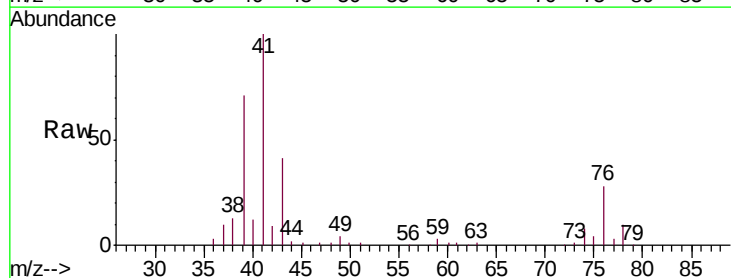
Tgt Ion: 41 Resp: 89767

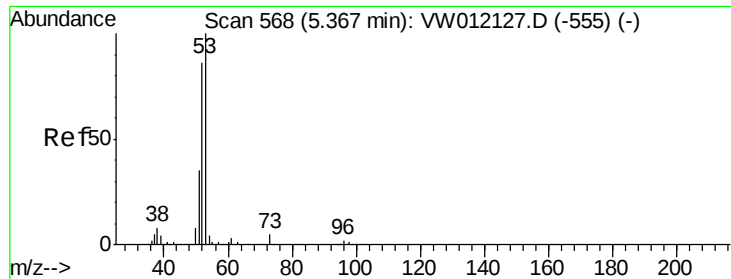
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.1 22.1 33.1





#15

Acrylonitrile

Concen: 108.456 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

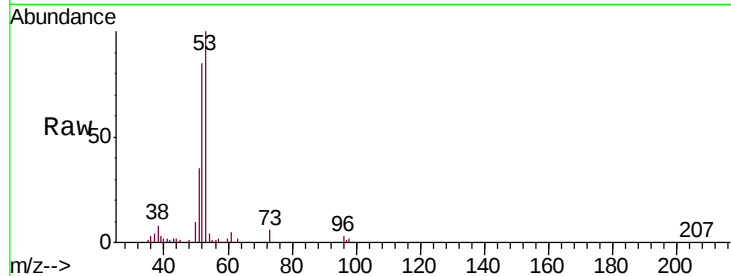
Tot Ion: 53 Resp: 65334

Ion Ratio Lower Upper

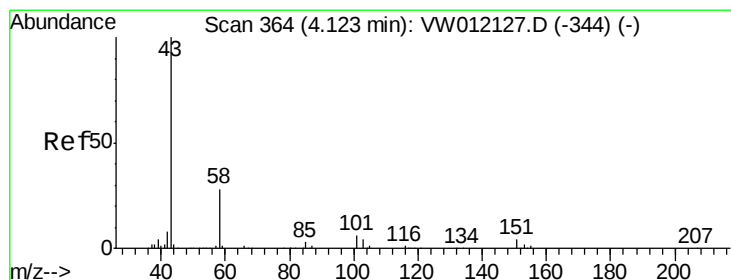
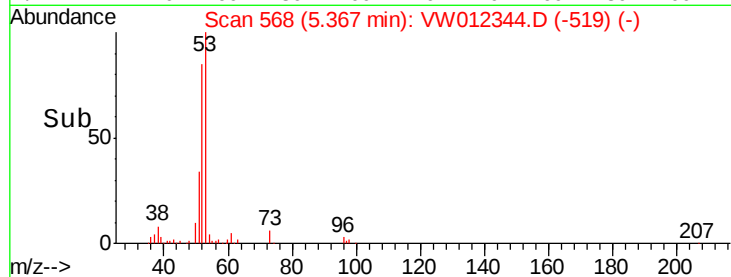
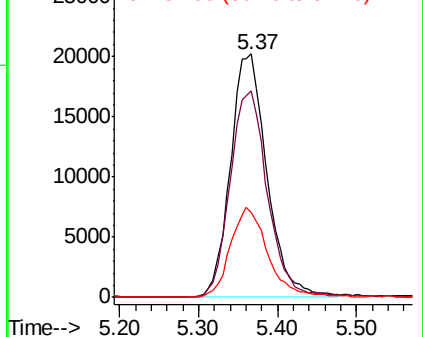
53 100

52 87.2 66.7 100.1

51 37.9 30.1 45.1



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



#16

Acetone

Concen: 103.896 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012344.D

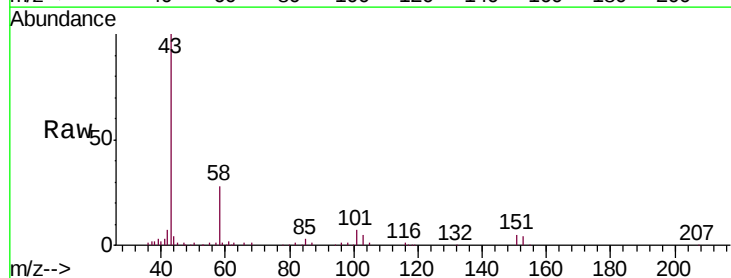
Acq: 30 Aug 2019 11:34

Tgt Ion: 43 Resp: 68949

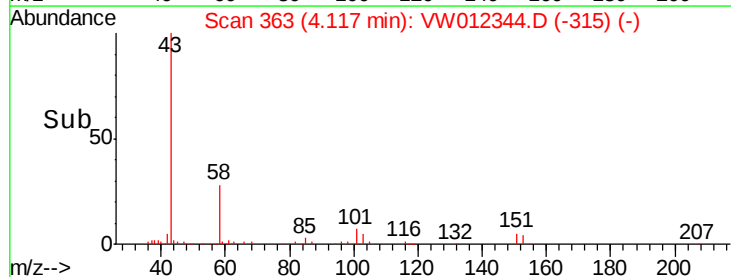
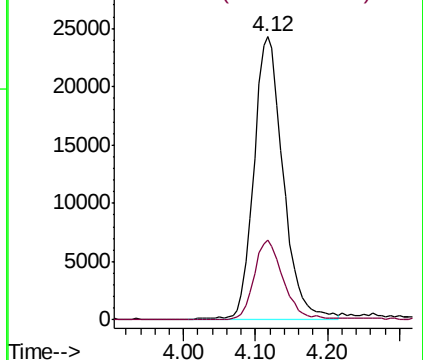
Ion Ratio Lower Upper

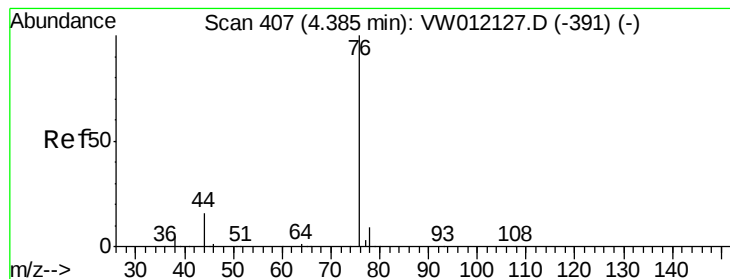
43 100

58 27.8 22.4 33.6



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





#17

Carbon Disulfide

Concen: 16.156 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

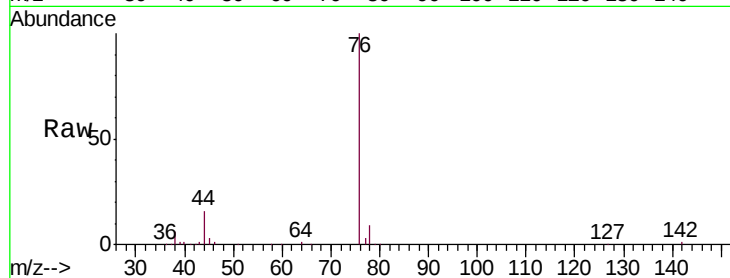
ClientSampleId :

Tot Ion: 76 Resp: 106956

Ion Ratio Lower Upper

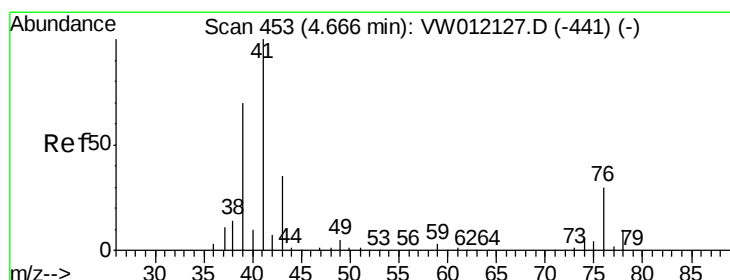
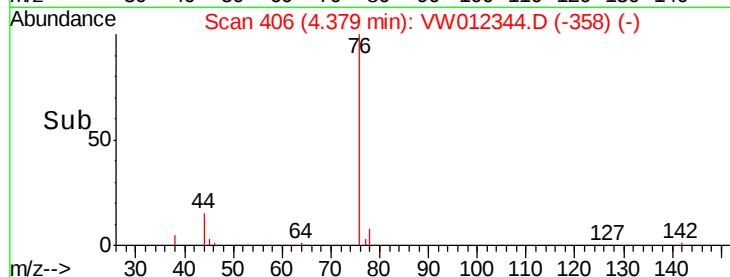
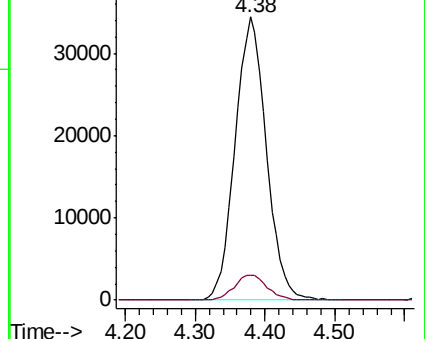
76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.708 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012344.D

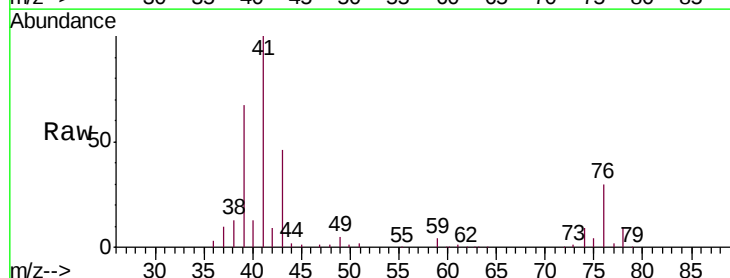
Acq: 30 Aug 2019 11:34

Tgt Ion: 43 Resp: 38969

Ion Ratio Lower Upper

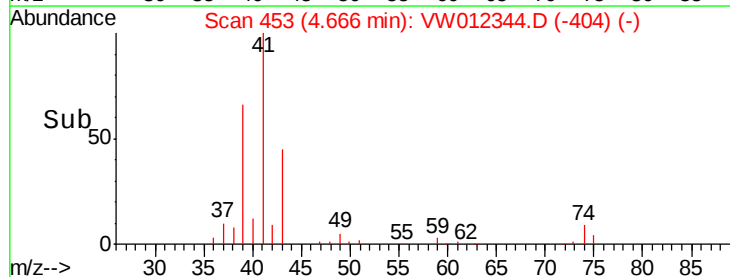
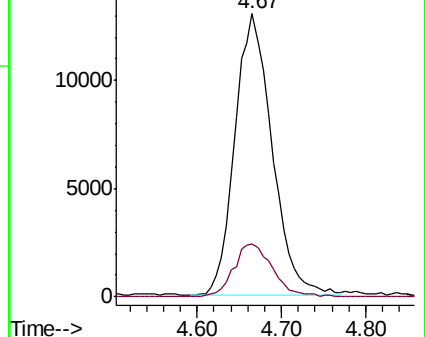
43 100

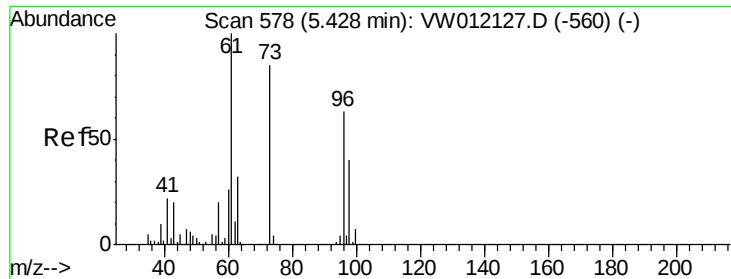
74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

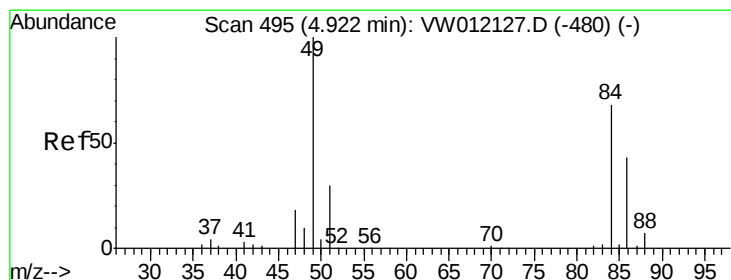
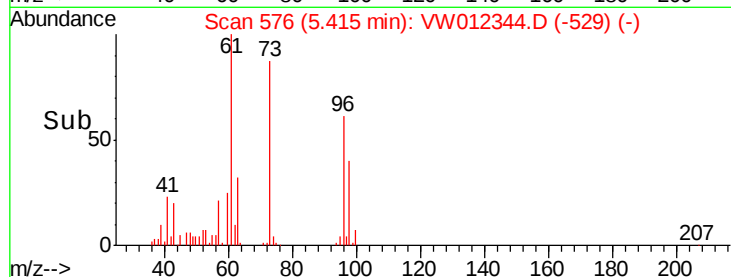
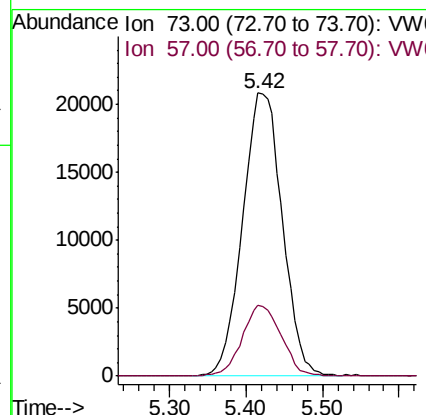
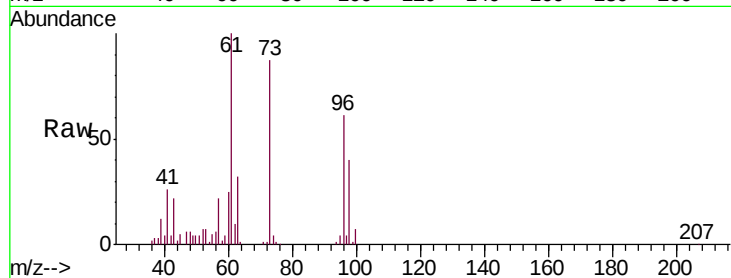




#19
Methyl tert-butyl Ether
Concen: 21.252 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

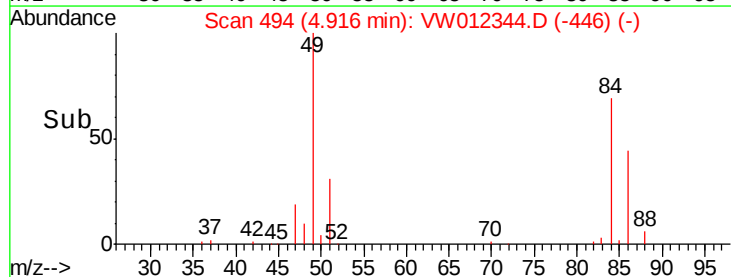
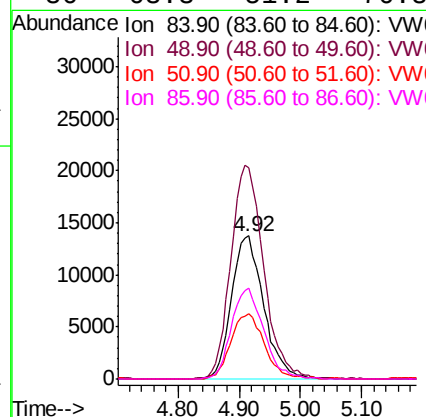
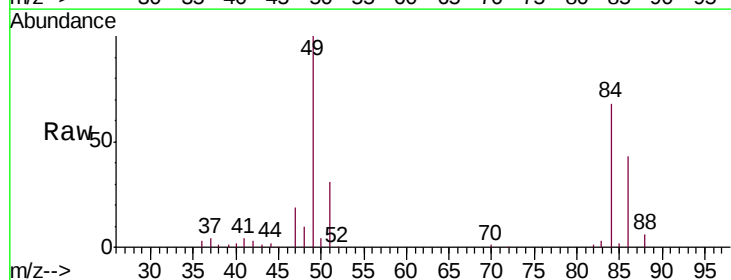
Instrument :
MSVOA_W
ClientSampled :

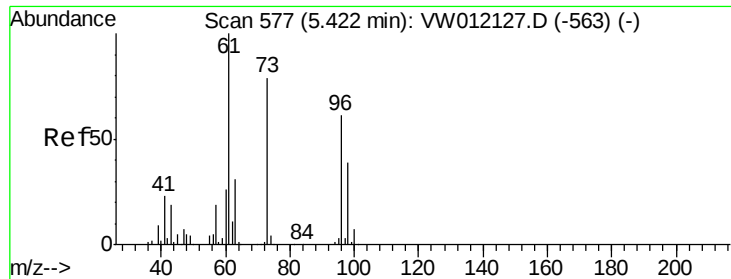
Tot Ion: 73 Resp: 75286
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3



#20
Methylene Chloride
Concen: 19.970 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 84 Resp: 50100
Ion Ratio Lower Upper
84 100
49 147.4 117.8 176.8
51 45.3 35.6 53.4
86 63.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.022 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

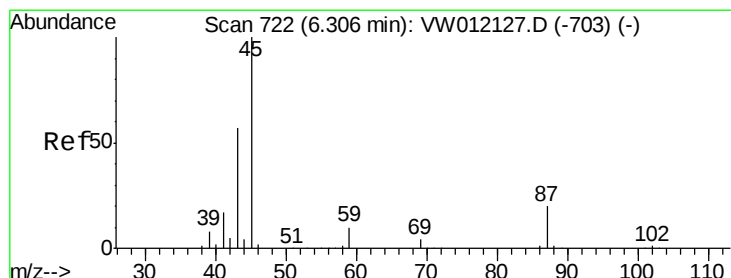
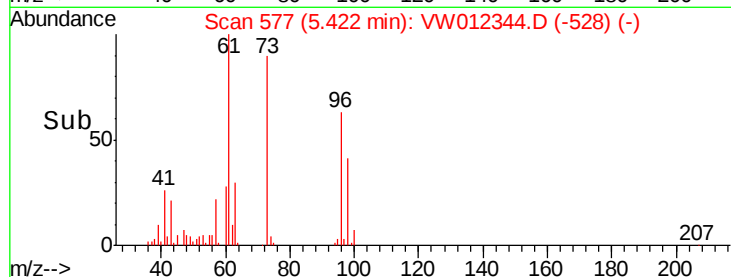
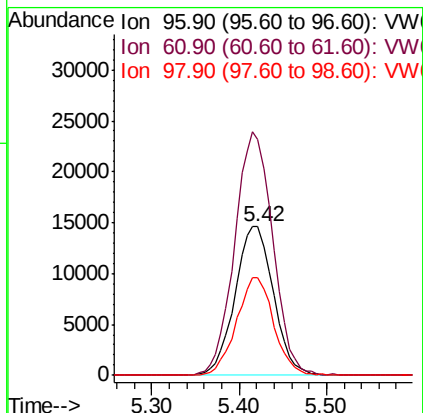
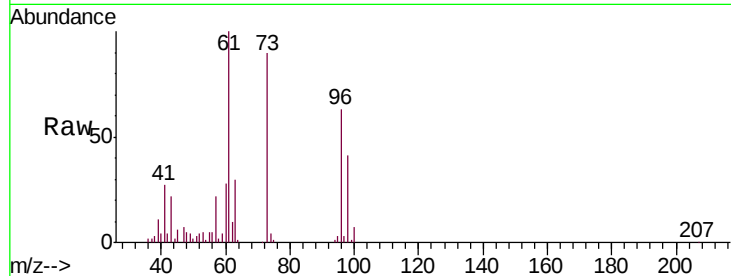
Tot Ion: 96 Resp: 44684

Ion Ratio Lower Upper

96 100

61 158.6 131.4 197.0

98 65.4 51.4 77.0



#22

Diisopropyl ether

Concen: 20.406 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion: 45 Resp: 177134

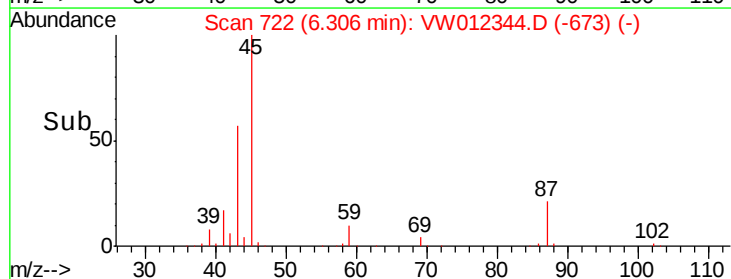
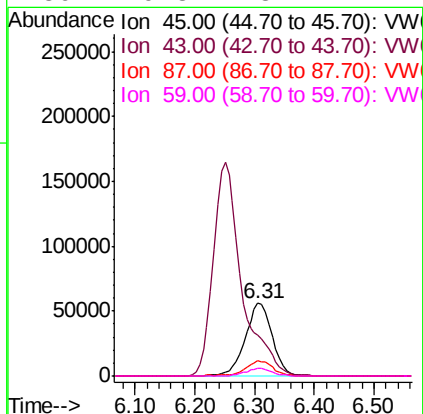
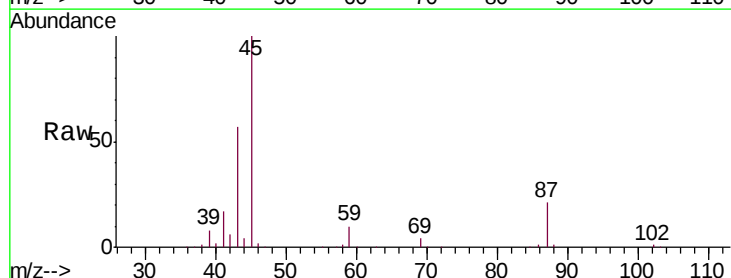
Ion Ratio Lower Upper

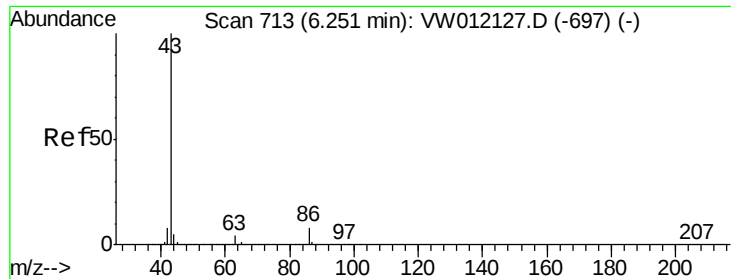
45 100

43 56.4 45.5 68.3

87 21.3 16.1 24.1

59 9.8 8.2 12.2





#23

Vinyl Acetate

Concen: 102.093 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

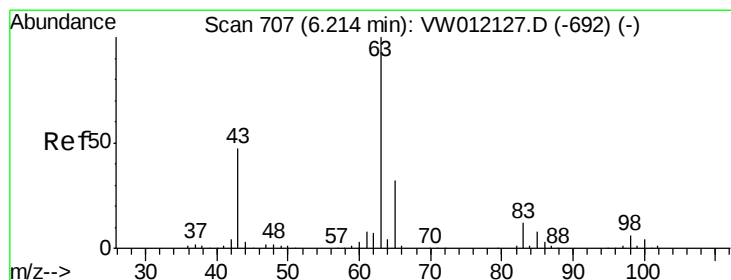
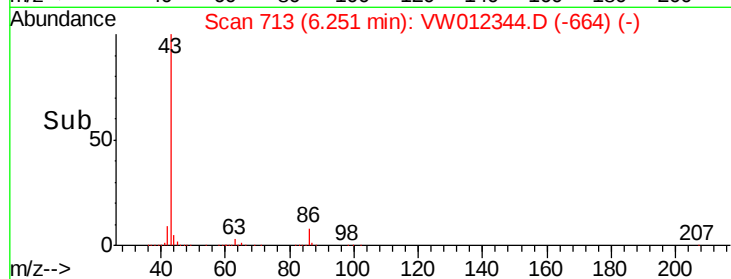
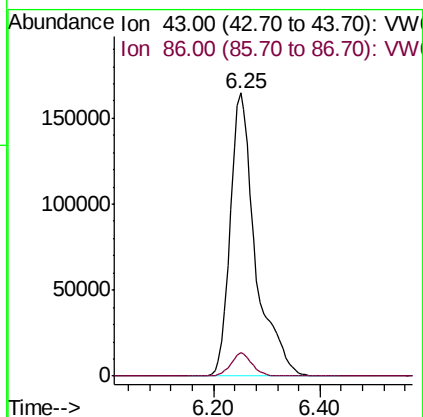
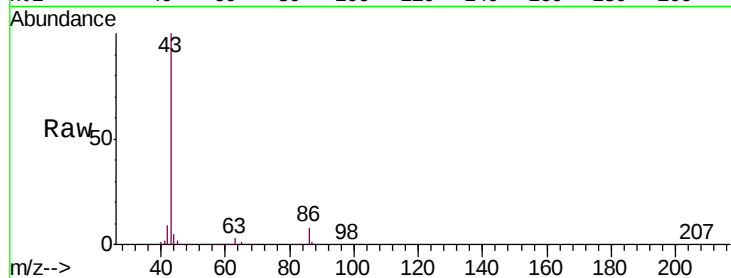
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 545401

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.959 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

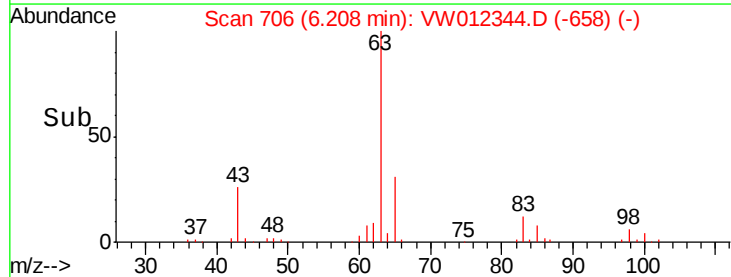
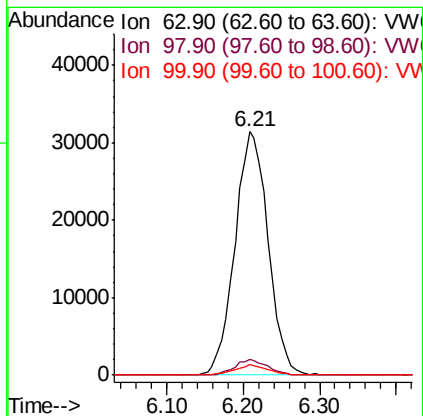
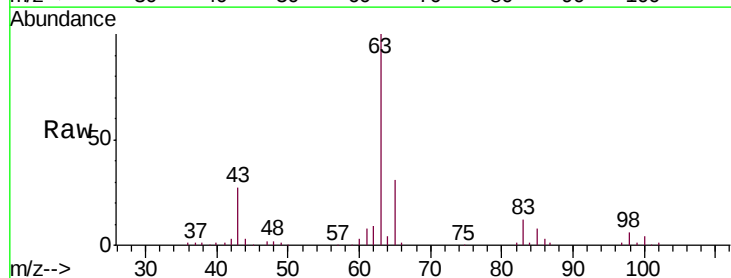
Tgt Ion: 63 Resp: 94334

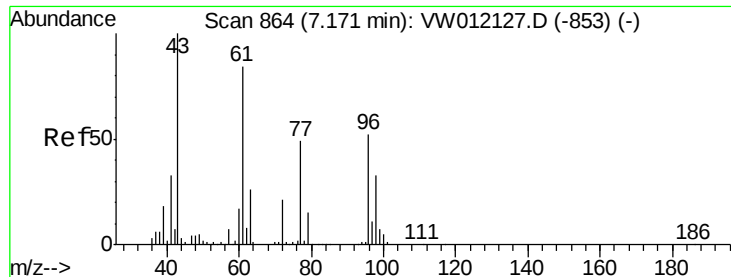
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 109.563 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

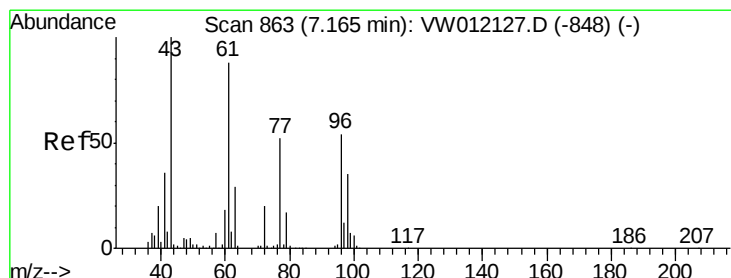
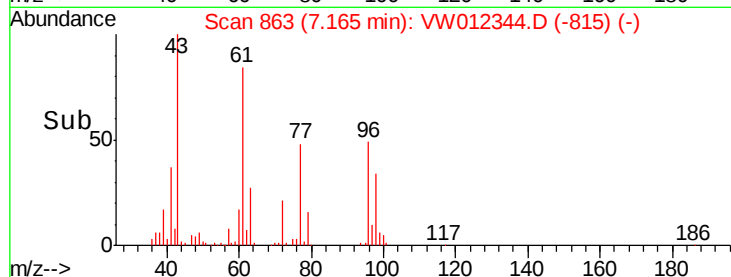
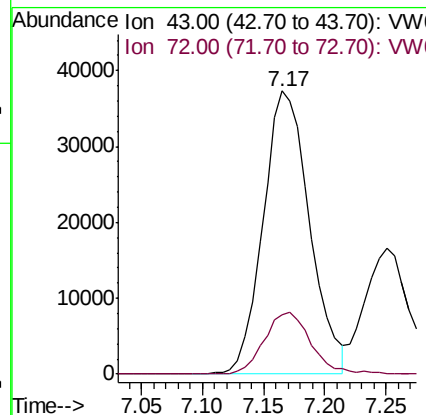
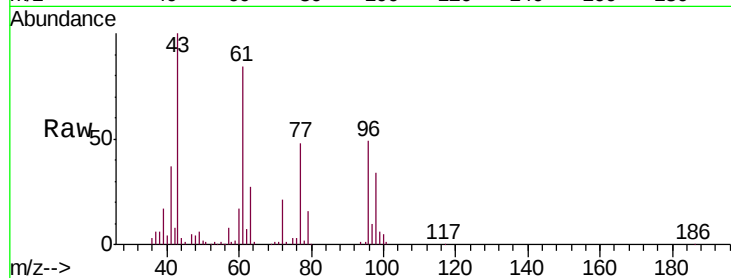
ClientSampled :

Tot Ion: 43 Resp: 98804

Ion Ratio Lower Upper

43 100

72 21.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.192 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012344.D

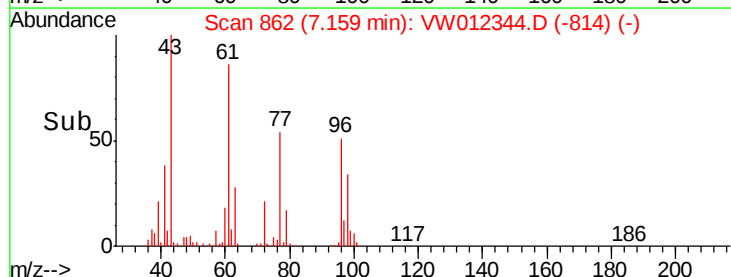
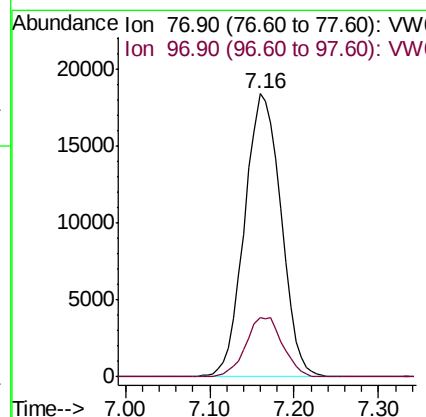
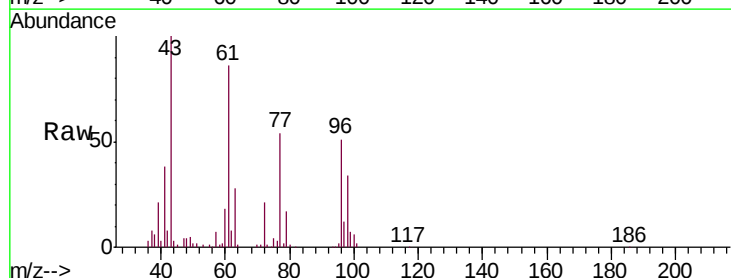
Acq: 30 Aug 2019 11:34

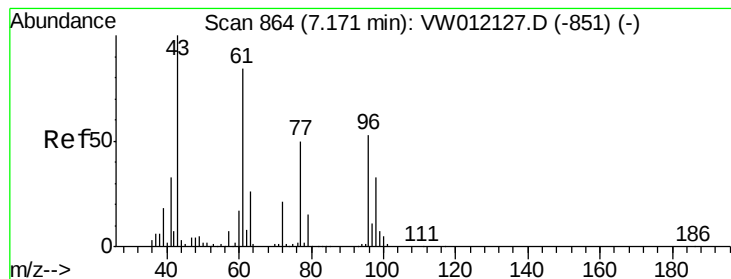
Tgt Ion: 77 Resp: 54018

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.1



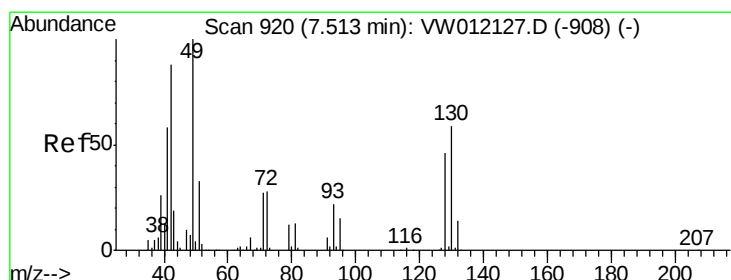
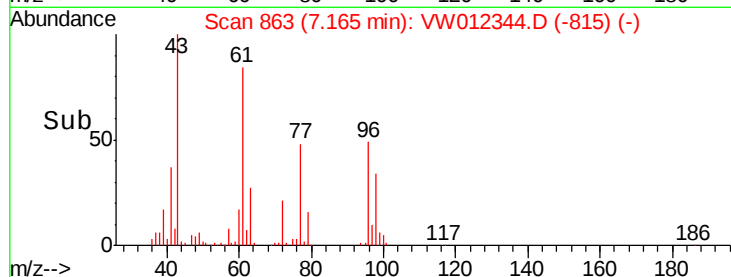
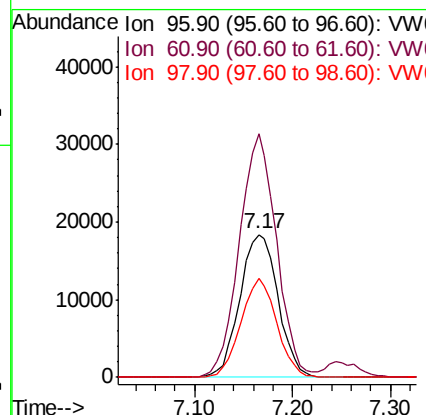
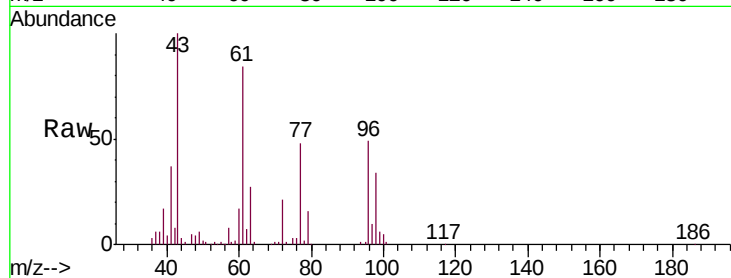


#27

cis-1,2-Dichloroethene
Concen: 19.877 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :

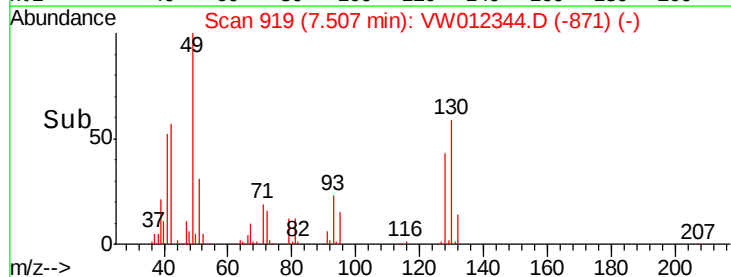
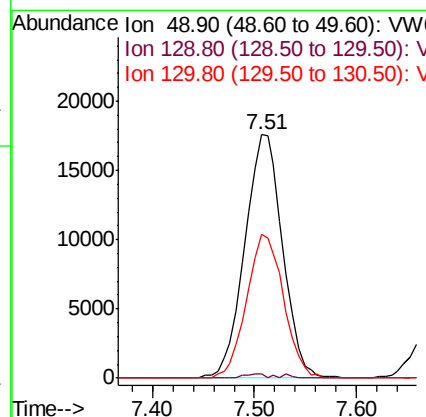
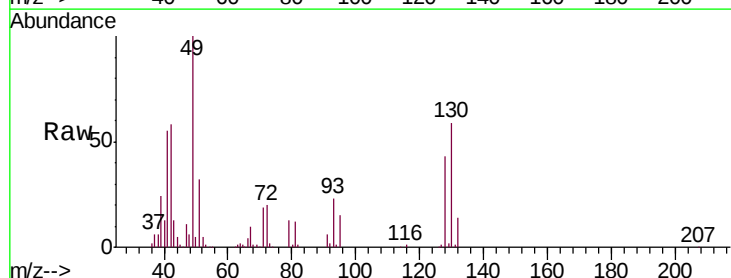
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	326.6
98	64.9	0.0	127.4

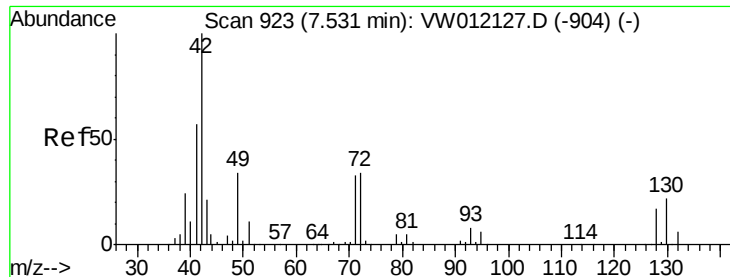


#28

Bromochloromethane
Concen: 21.913 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.4
130	57.8	45.5	68.3

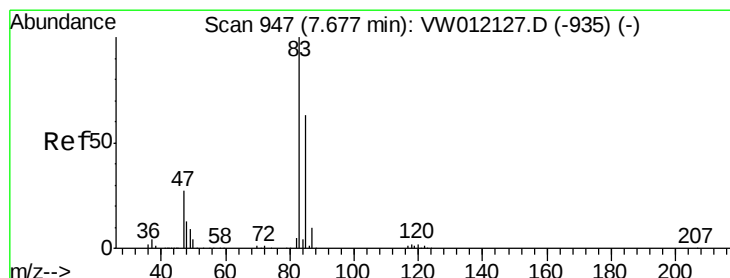
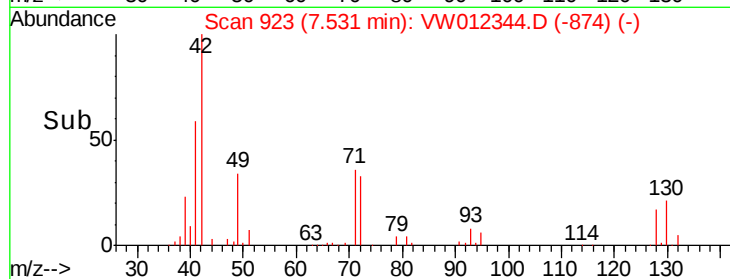
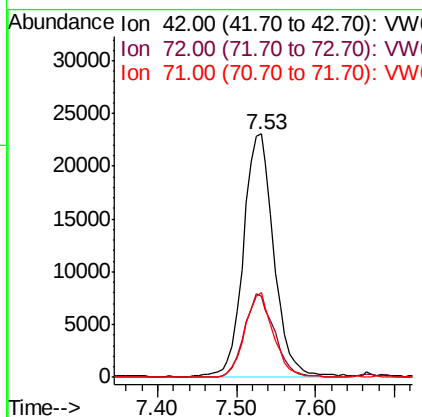
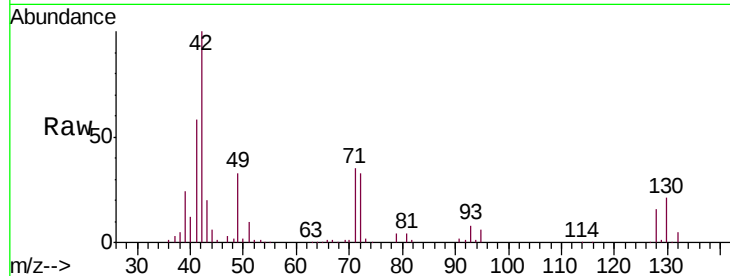




#29
Tetrahydrofuran
Concen: 113.821 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

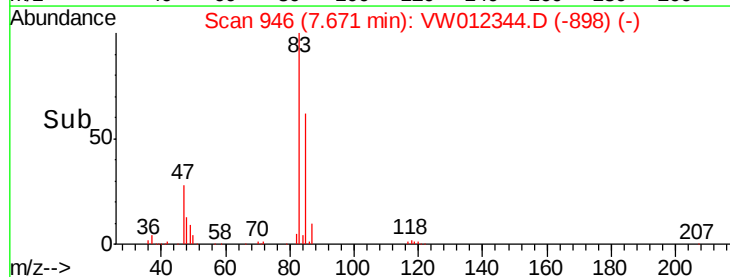
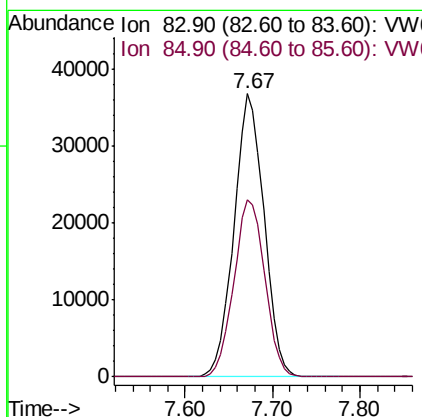
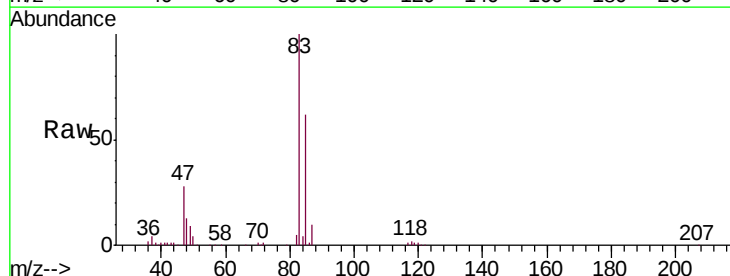
Instrument :
MSVOA_W
ClientSampled :

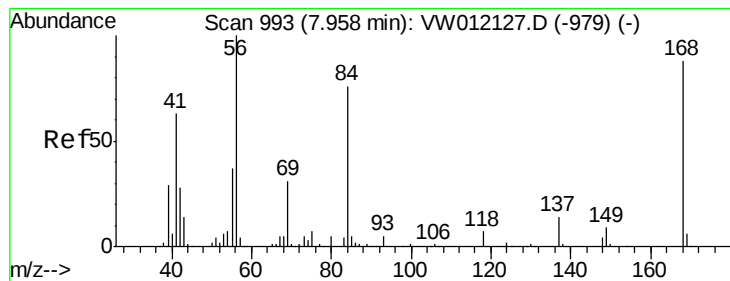
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	33.0	25.5	38.3



#30
Chloroform
Concen: 20.298 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.6	76.0





#31

Cyclohexane

Concen: 18.240 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

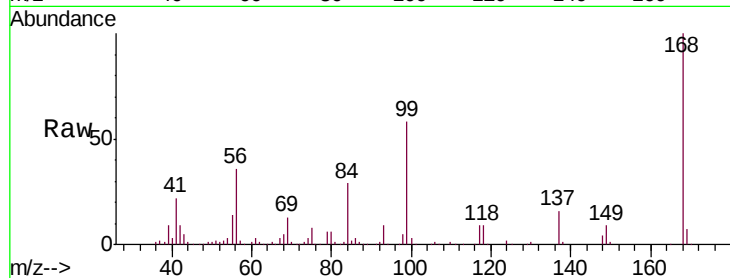
Tot Ion: 56 Resp: 85293

Ion Ratio Lower Upper

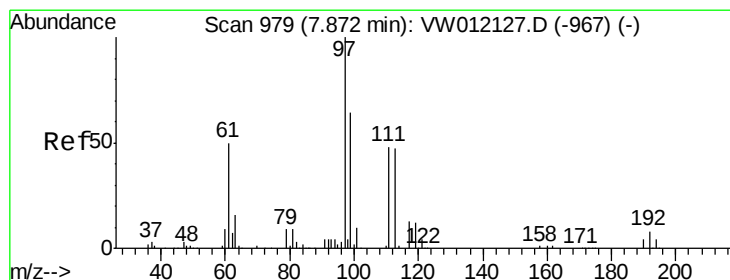
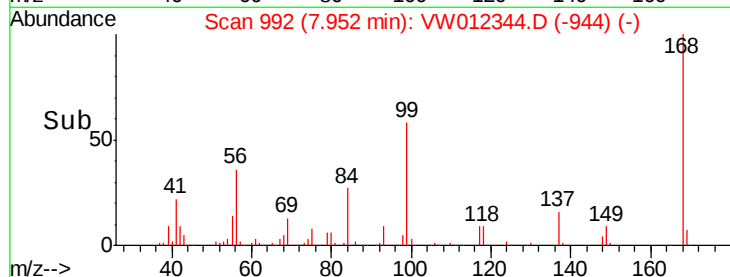
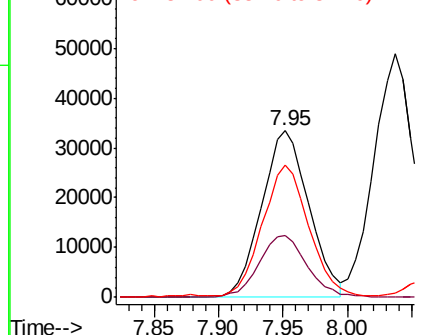
56 100

69 37.1 24.9 37.3

84 77.9 60.6 90.8



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: 20.067 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

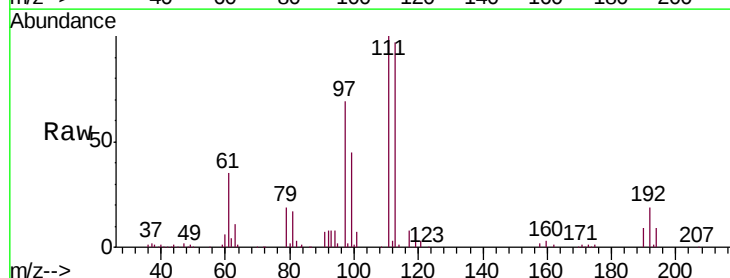
Tgt Ion: 97 Resp: 68644

Ion Ratio Lower Upper

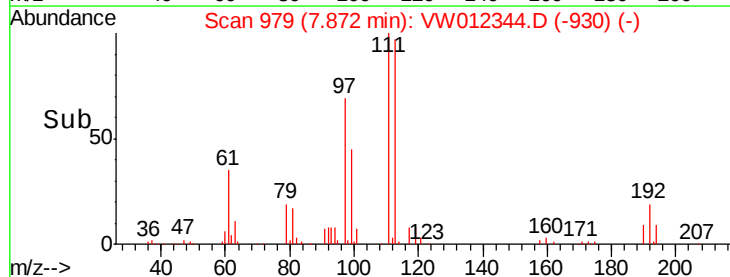
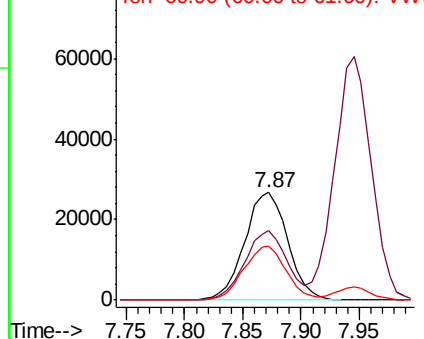
97 100

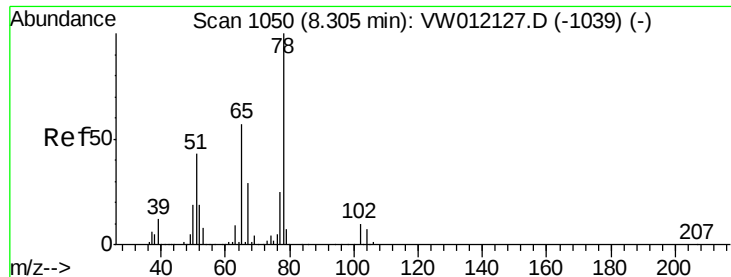
99 63.6 51.4 77.0

61 49.9 39.5 59.3



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

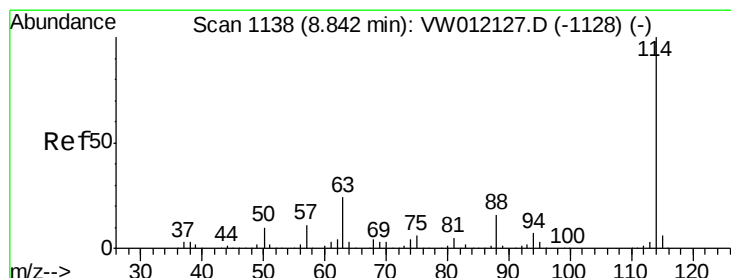
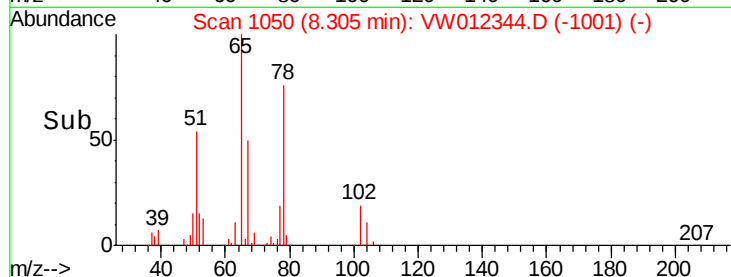
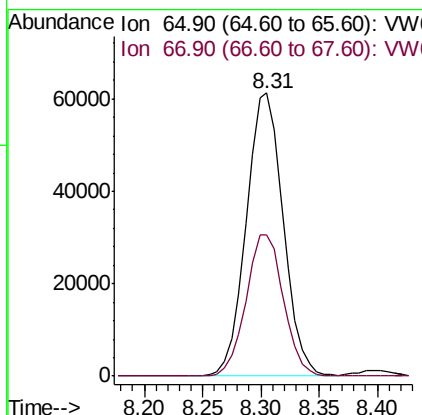
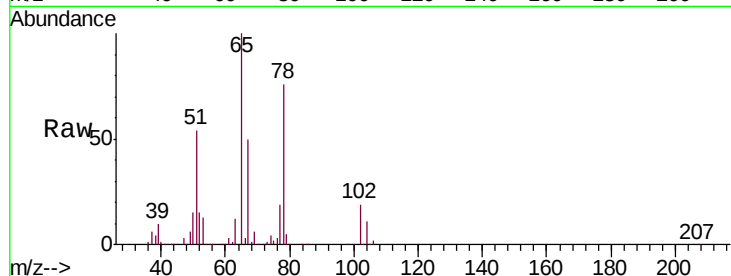




#33
 1,2-Dichloroethane-d4
 Concen: 52.292 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

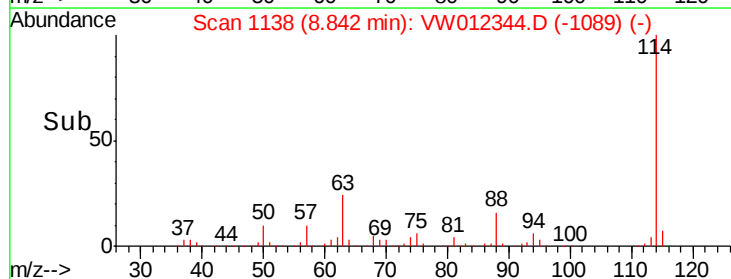
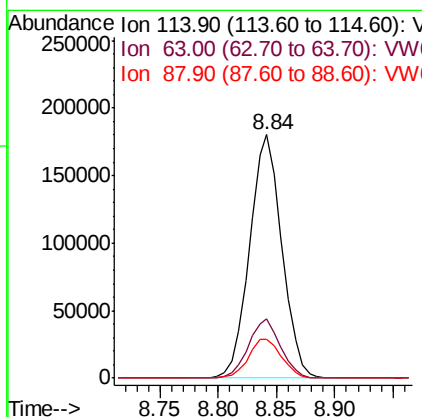
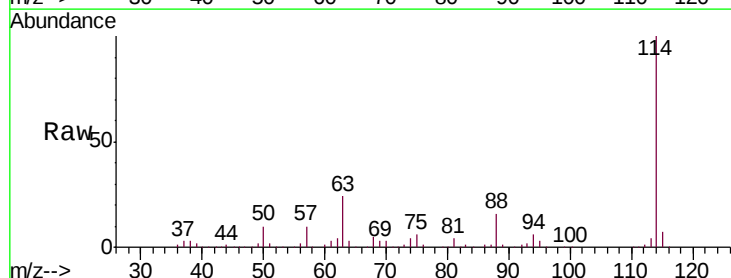
Instrument :
 MSVOA_W
 ClientSampleId :

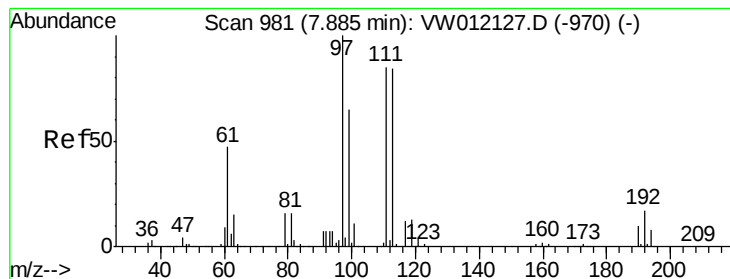
Tot Ion: 65 Resp: 135758
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 114 Resp: 345939
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.464 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

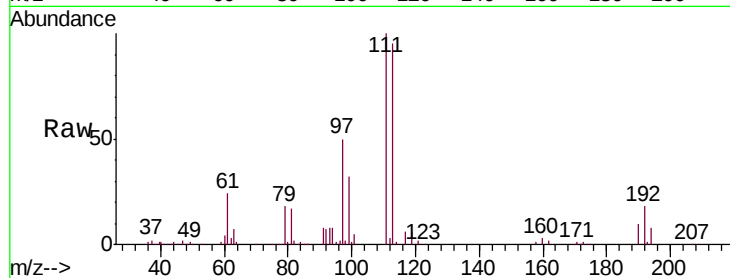
Tot Ion:113 Resp: 106269

Ion Ratio Lower Upper

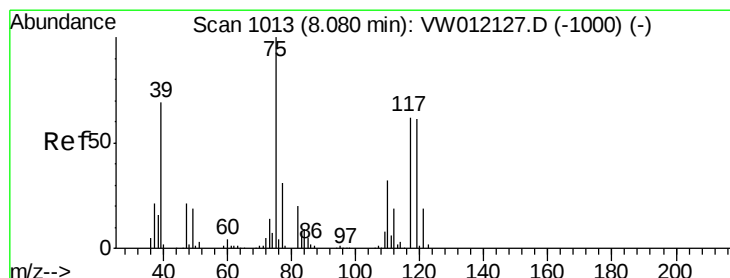
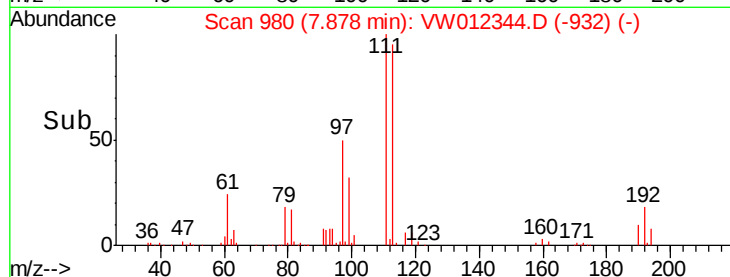
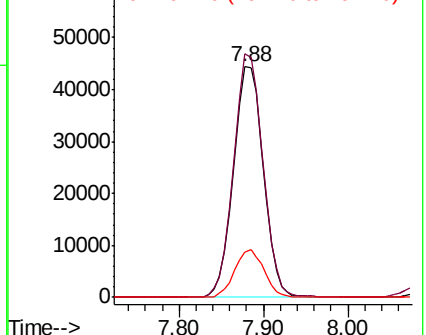
113 100

111 103.4 82.7 124.1

192 20.3 16.2 24.2



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: 19.473 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

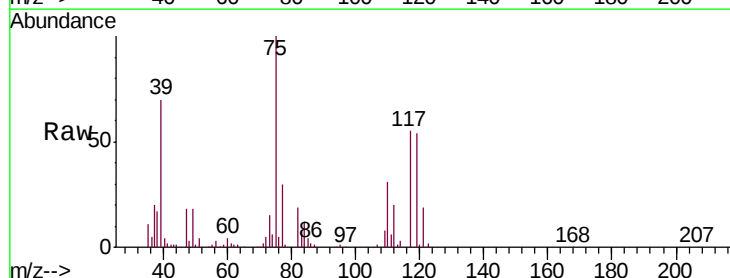
Tgt Ion: 75 Resp: 69615

Ion Ratio Lower Upper

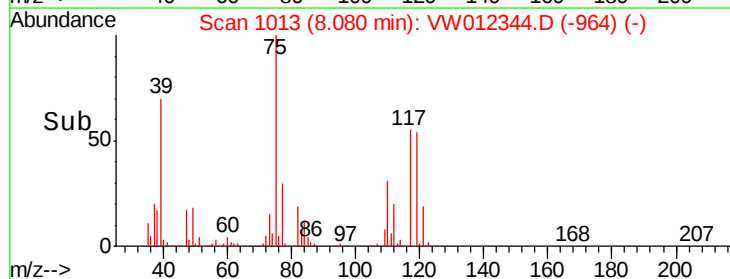
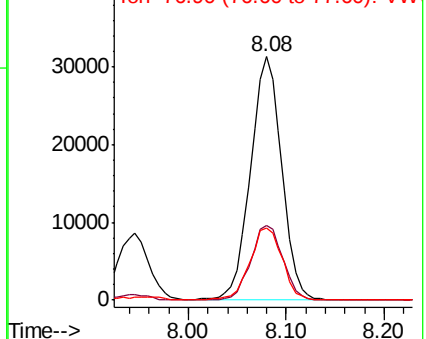
75 100

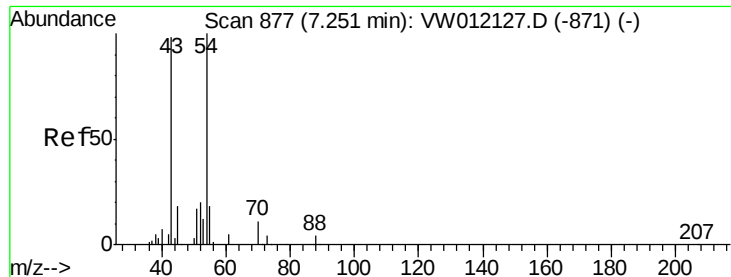
110 31.7 15.6 46.8

77 30.9 24.6 36.8



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

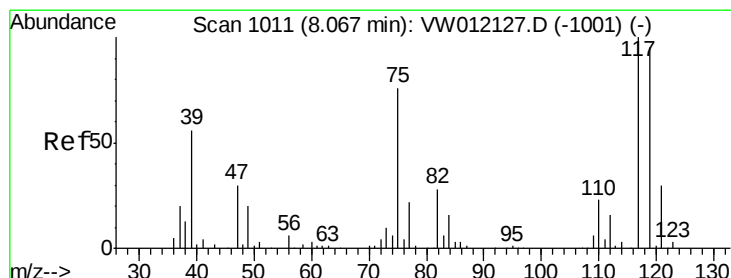
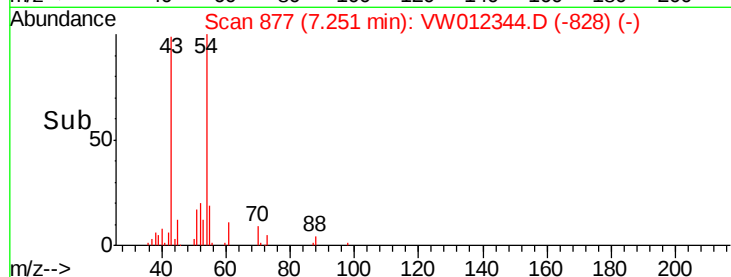
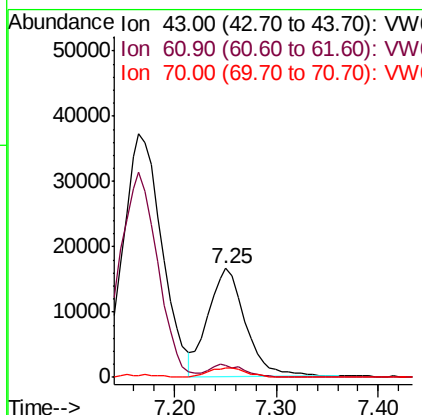
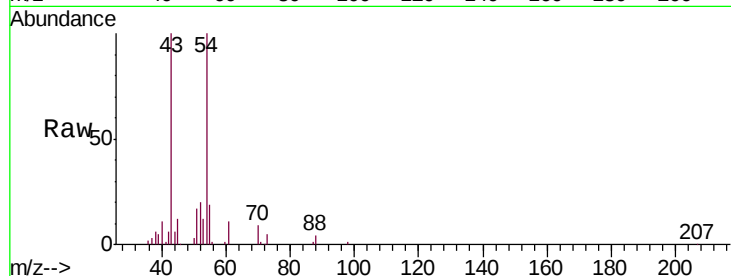




#37
Ethyl Acetate
Concen: 21.788 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

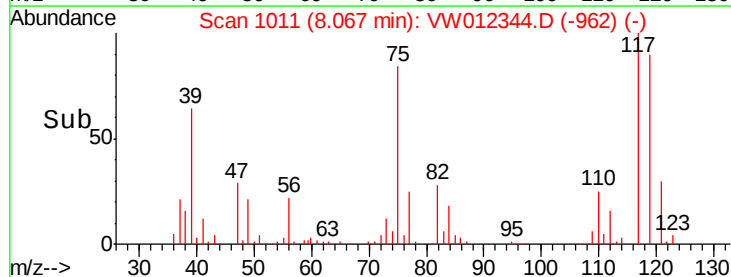
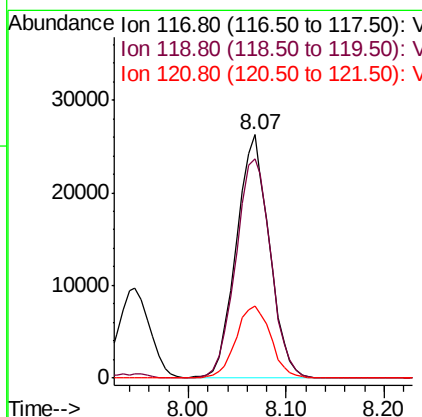
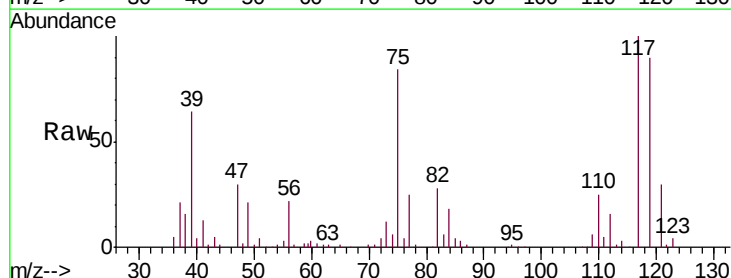
Instrument :
MSVOA_W
ClientSampled :

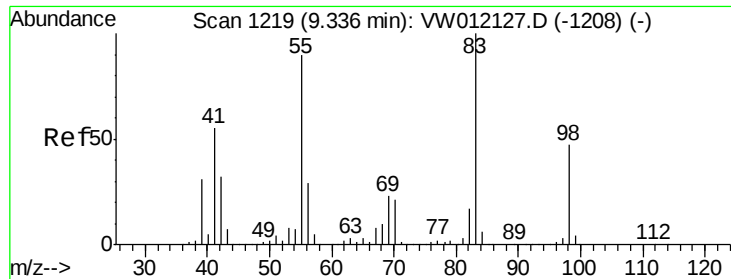
Tot Ion: 43 Resp: 42683
Ion Ratio Lower Upper
43 100
61 11.0 9.2 13.8
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.911 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 117 Resp: 61607
Ion Ratio Lower Upper
117 100
119 90.3 76.2 114.2
121 29.5 23.8 35.8

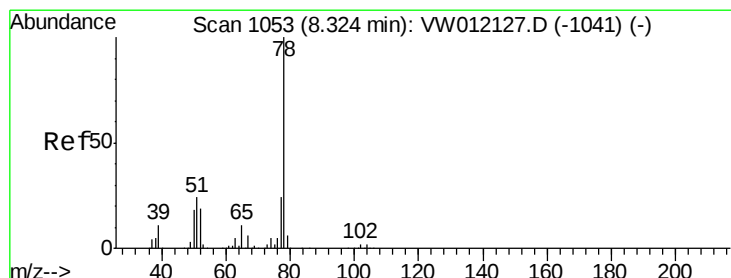
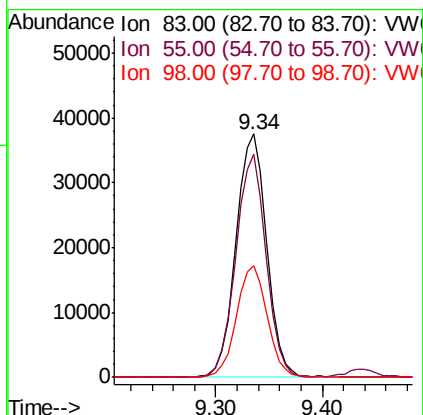
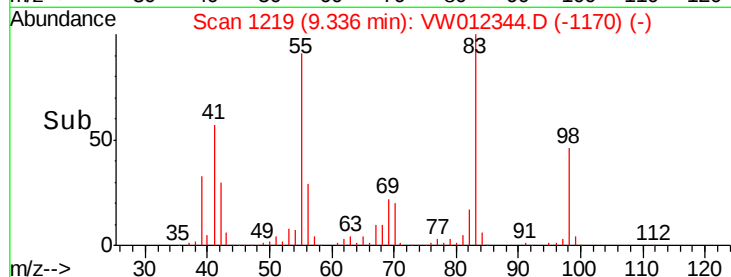
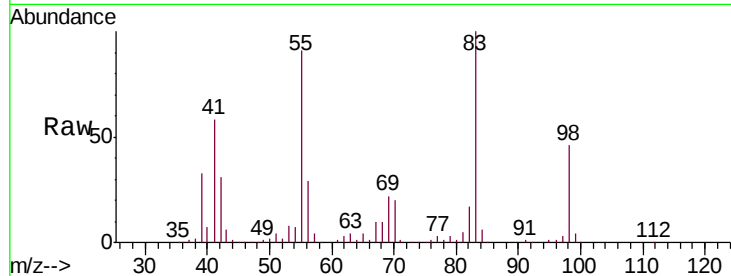




#39
Methvlcvclohexane
Concen: 19.002 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

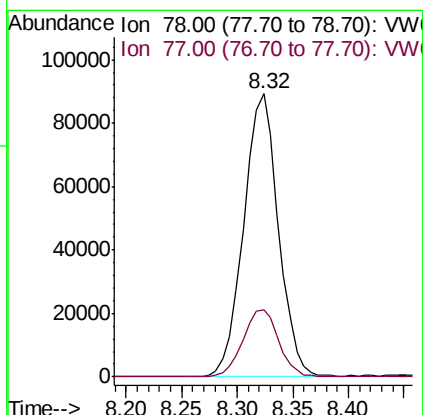
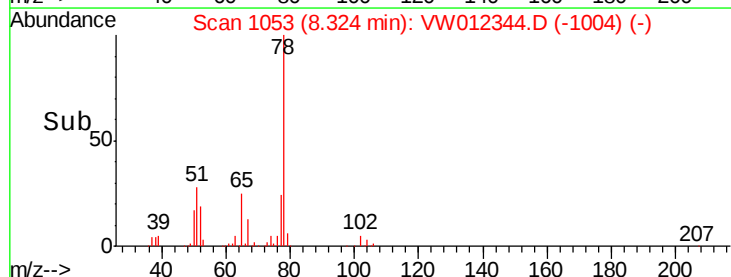
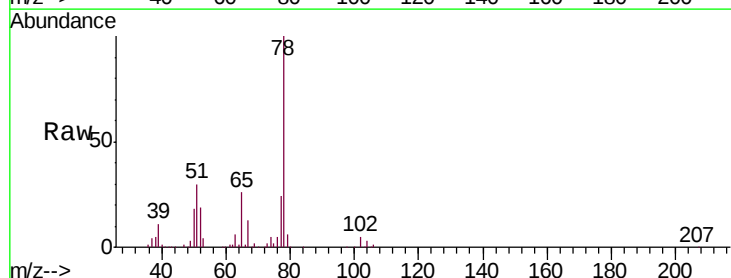
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 76314
Ion Ratio Lower Upper
83 100
55 91.2 71.8 107.8
98 46.0 37.8 56.8



#40
Benzene
Concen: 19.832 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 78 Resp: 193587
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3





#41

Methacrylonitrile

Concen: 22.846 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 26304

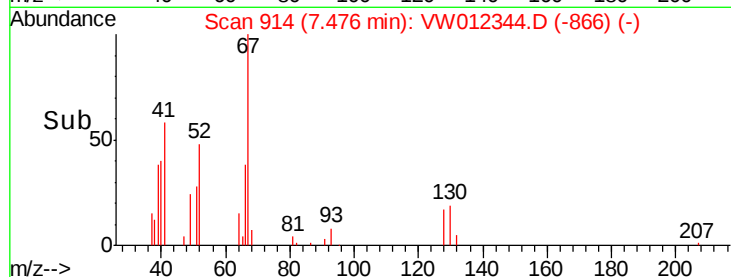
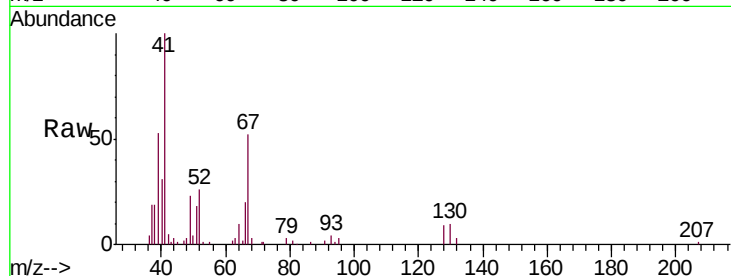
Ion Ratio Lower Upper

41 100

39 58.0 45.8 68.8

67 55.8 46.2 69.4

52 26.1 21.0 31.6

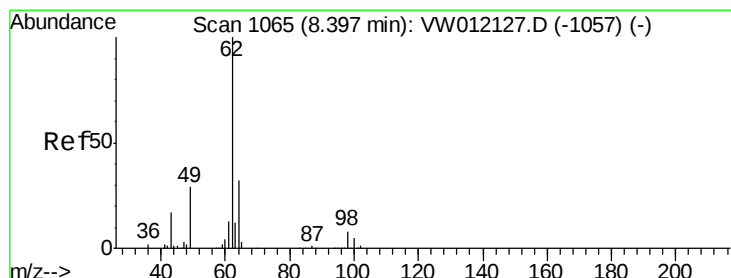
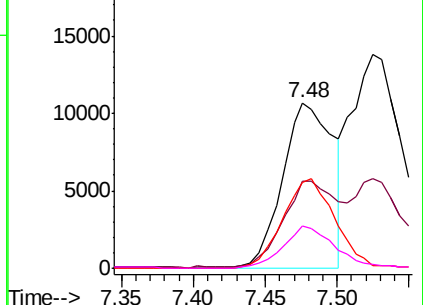


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.522 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW012344.D

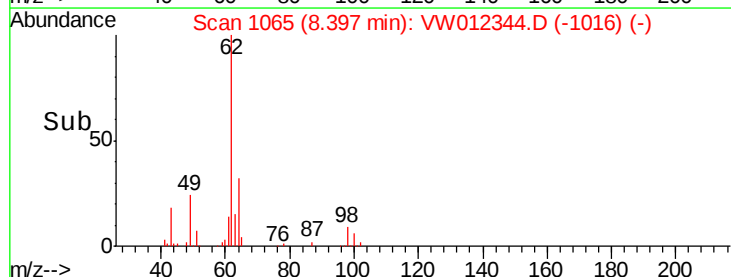
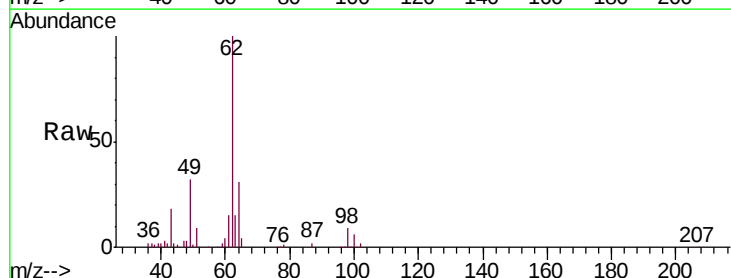
Acq: 30 Aug 2019 11:34

Tgt Ion: 62 Resp: 62783

Ion Ratio Lower Upper

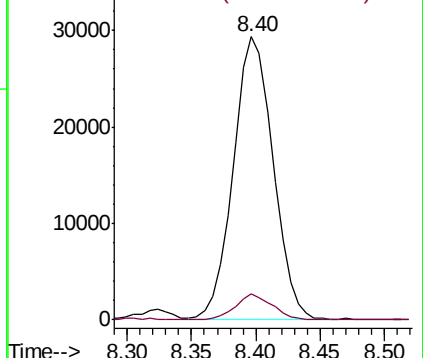
62 100

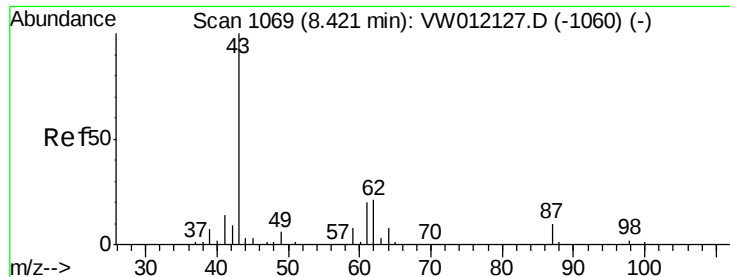
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.846 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

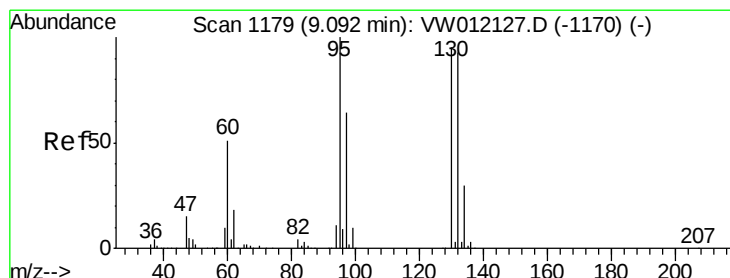
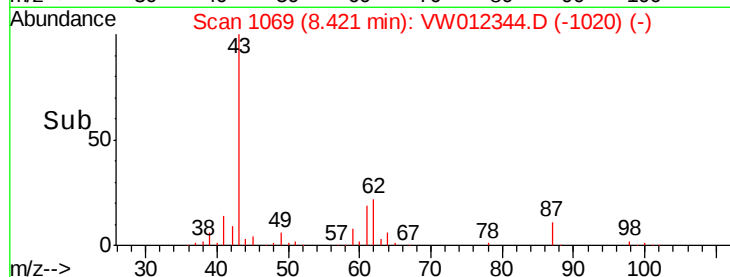
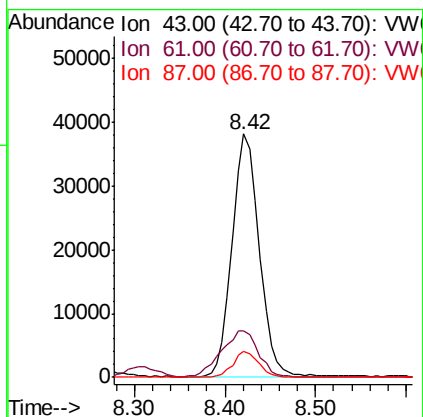
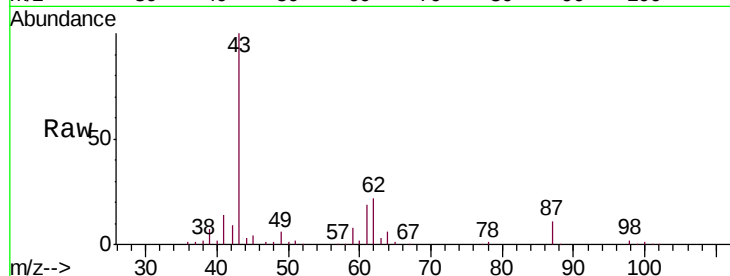
Tot Ion: 43 Resp: 79272

Ion Ratio Lower Upper

43 100

61 25.9 21.1 31.7

87 10.4 8.2 12.2



#44

Trichloroethene

Concen: 20.127 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012344.D

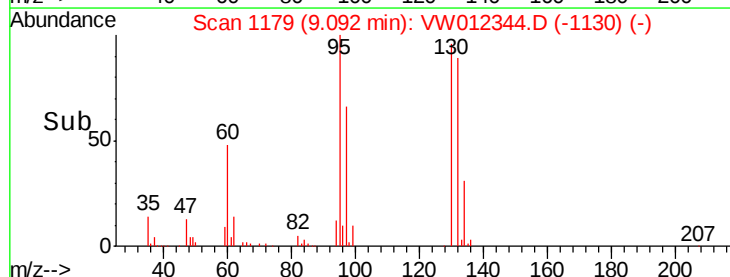
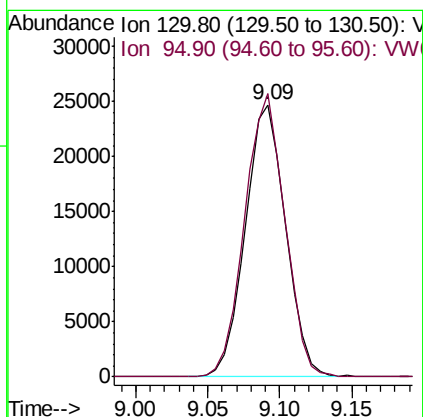
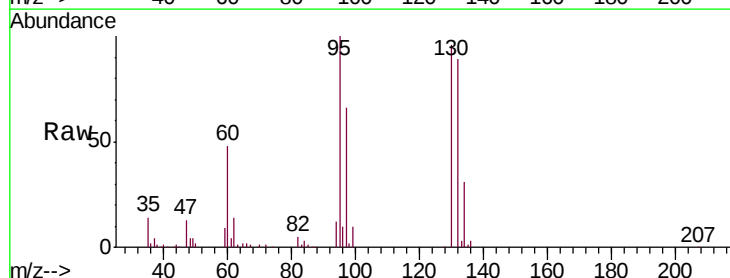
Acq: 30 Aug 2019 11:34

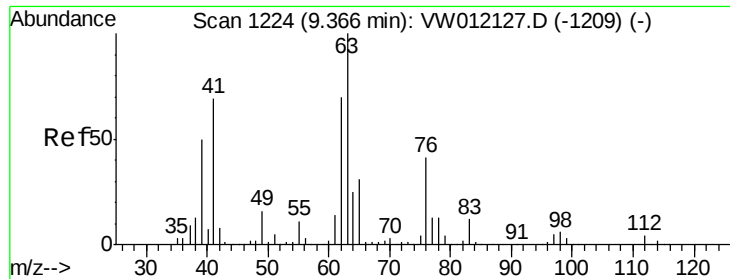
Tgt Ion: 130 Resp: 47761

Ion Ratio Lower Upper

130 100

95 104.1 0.0 210.6

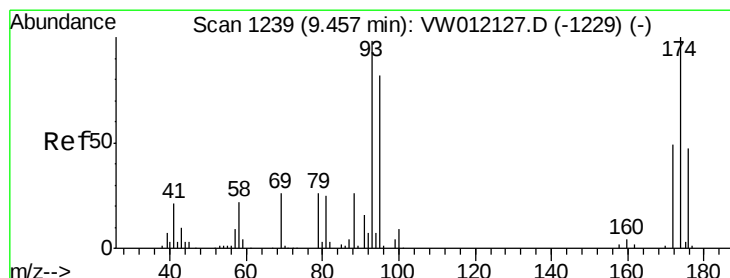
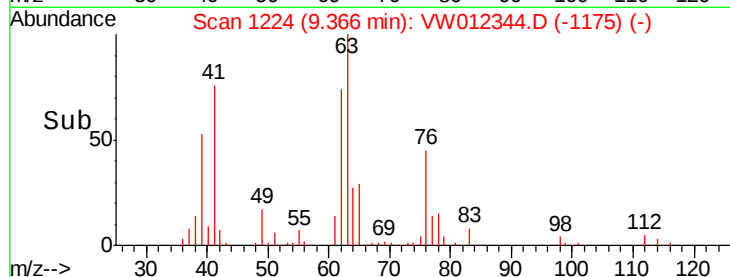
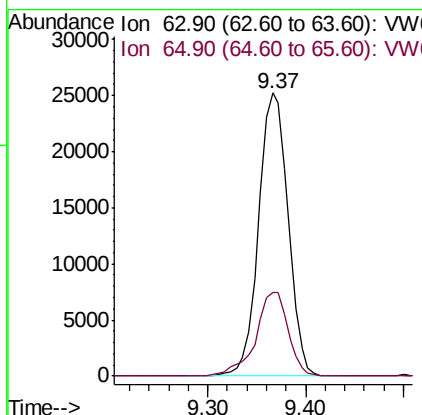
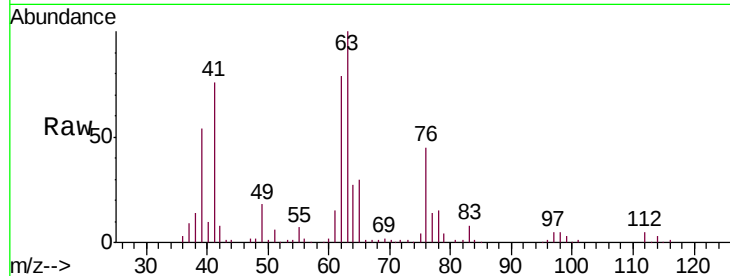




#45
 1,2-Dichloropropane
 Concen: 20.103 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

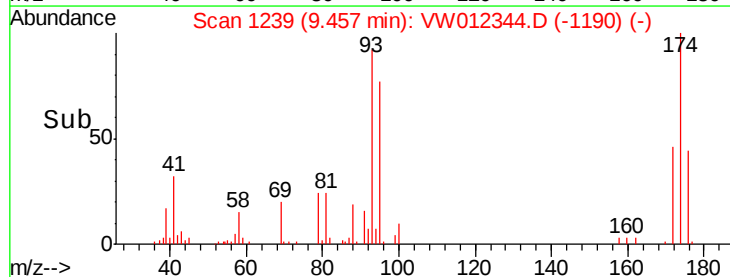
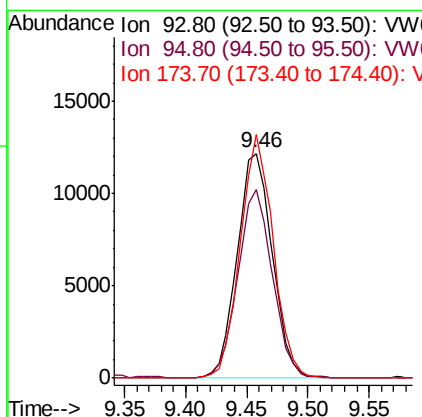
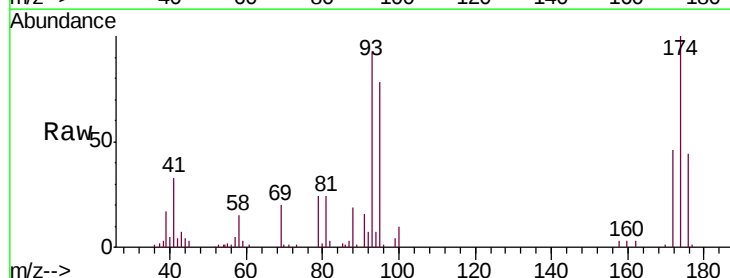
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 52813
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4



#46
 Dibromomethane
 Concen: 20.746 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 93 Resp: 24249
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.2 100.8
 174 101.2 79.0 118.6





#47

Bromodichloromethane

Concen: 19.865 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :

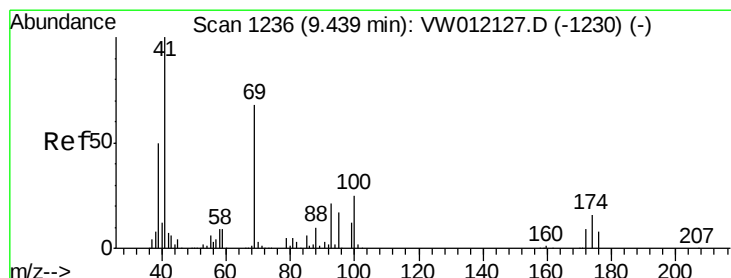
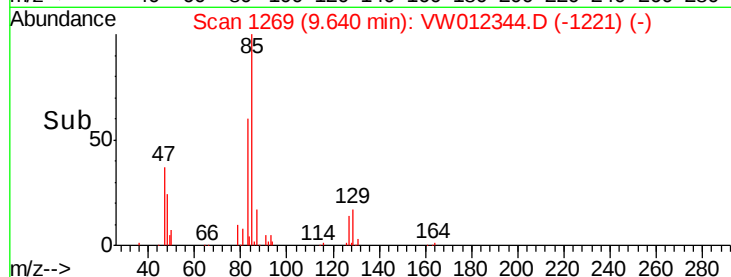
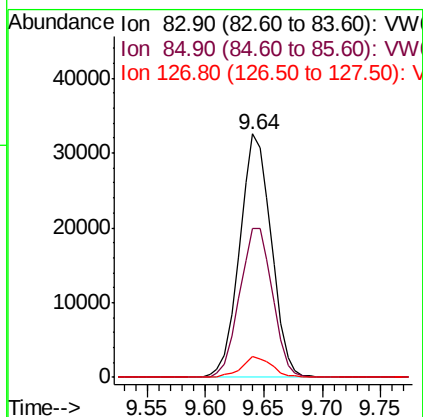
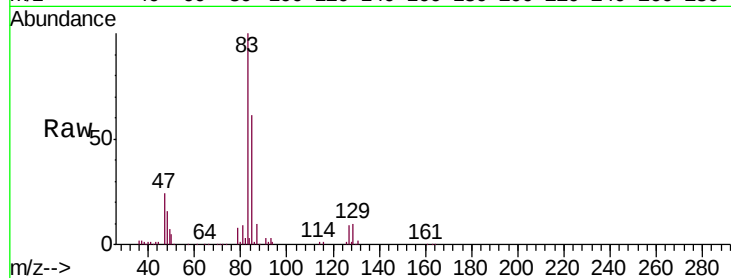
Tot Ion: 83 Resp: 61798

Ion Ratio Lower Upper

83 100

85 61.2 49.4 74.2

127 8.8 6.1 9.1



#48

Methyl methacrylate

Concen: 21.958 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

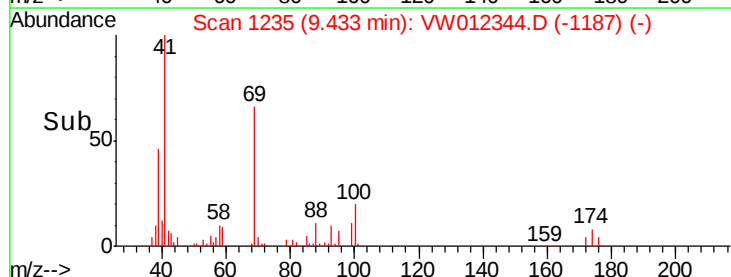
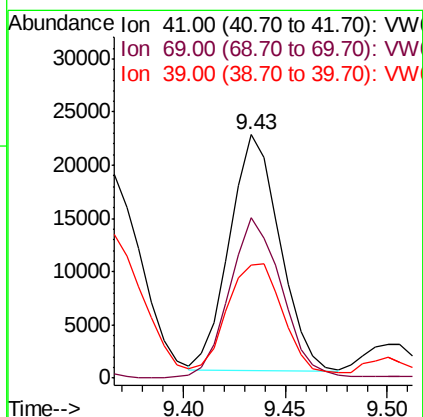
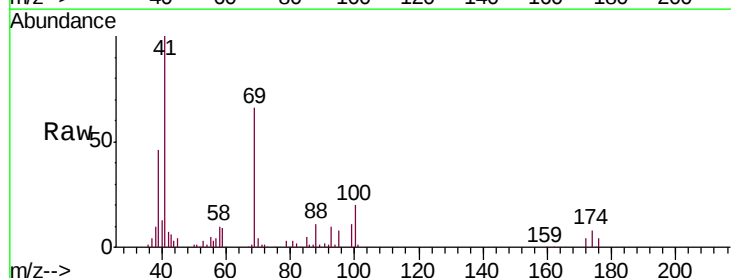
Tgt Ion: 41 Resp: 37922

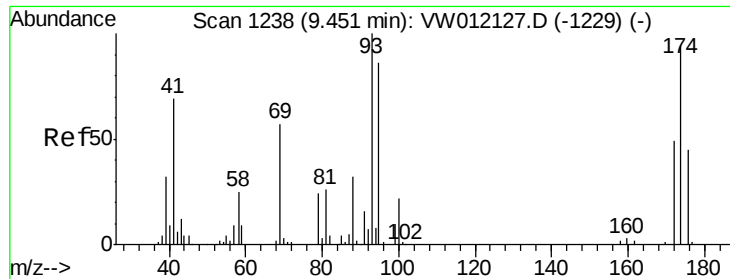
Ion Ratio Lower Upper

41 100

69 71.8 56.7 85.1

39 50.4 42.0 63.0





#49

1,4-Dioxane

Concen: 458.474 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :

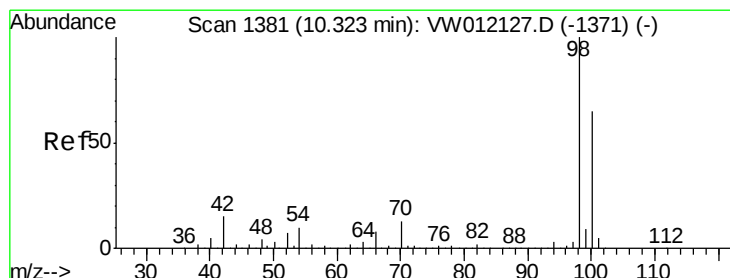
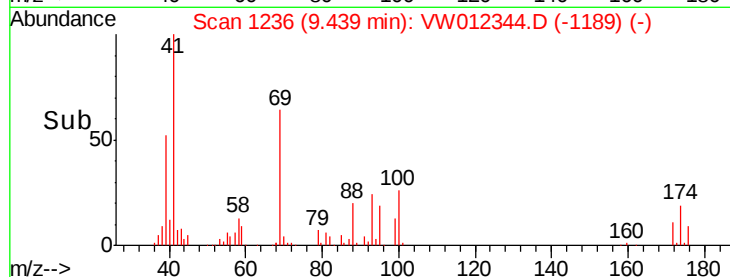
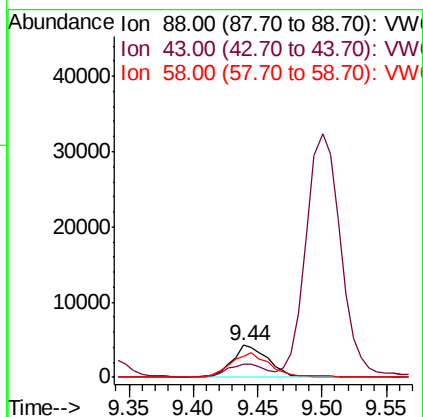
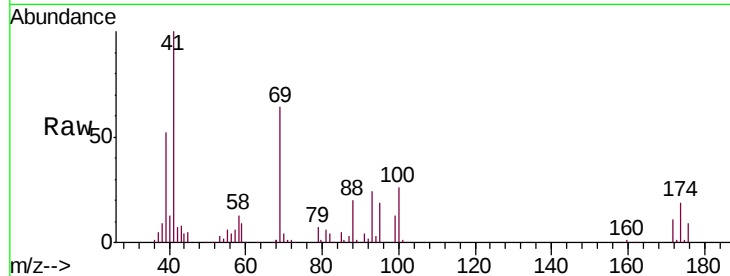
Tot Ion: 88 Resp: 8204

Ion Ratio Lower Upper

88 100

43 41.1 32.9 49.3

58 82.2 71.0 106.4



#50

Toluene-d8

Concen: 51.713 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012344.D

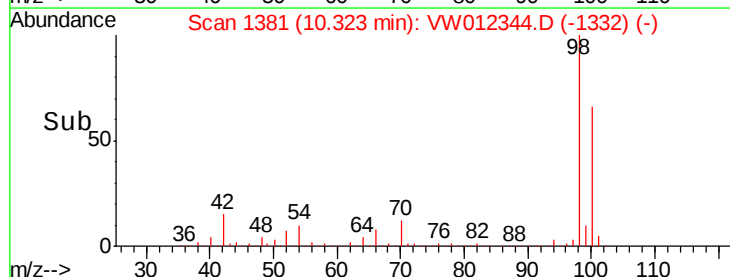
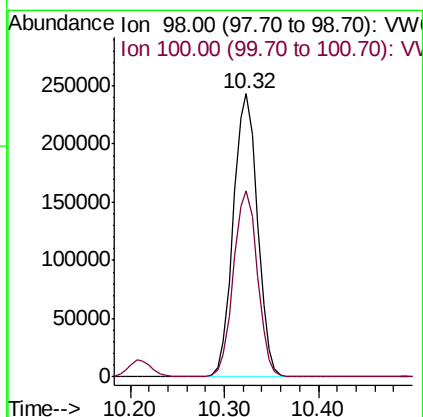
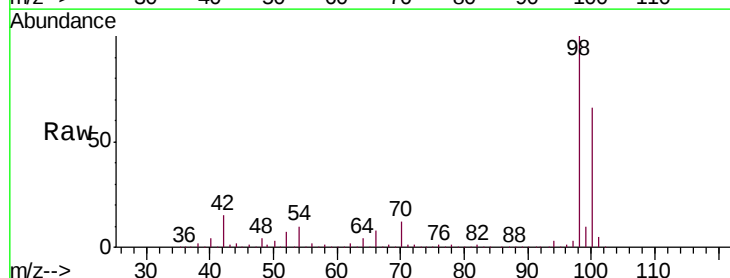
Acq: 30 Aug 2019 11:34

Tgt Ion: 98 Resp: 432972

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 114.866 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

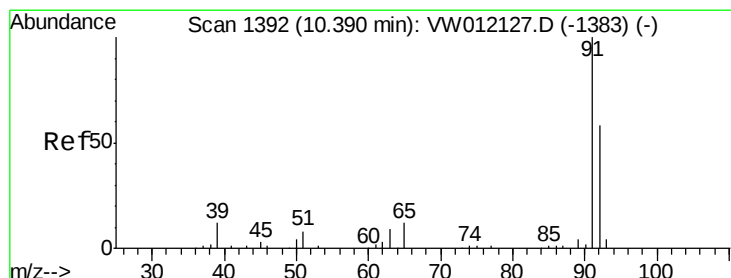
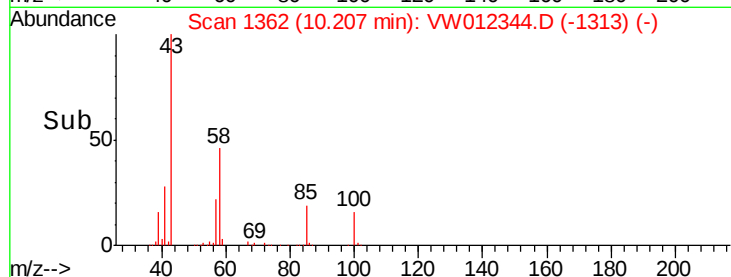
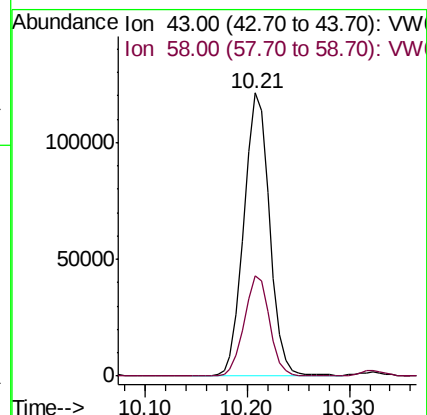
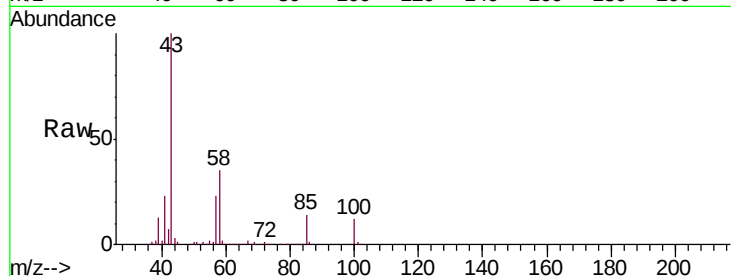
ClientSampled :

Tot Ion: 43 Resp: 212001

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2



#52

Toluene

Concen: 19.921 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012344.D

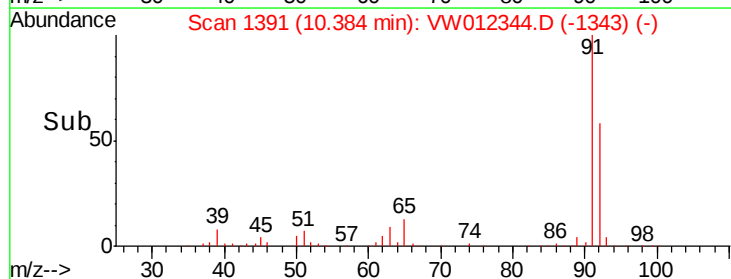
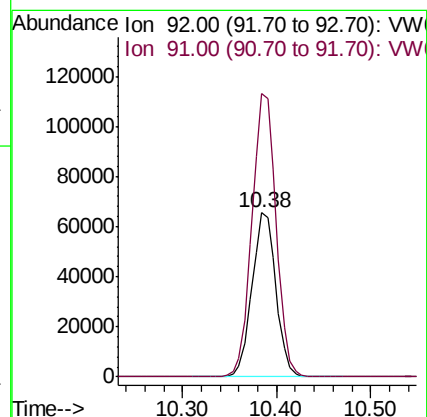
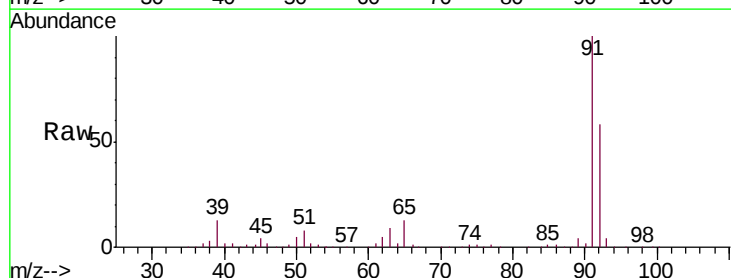
Acq: 30 Aug 2019 11:34

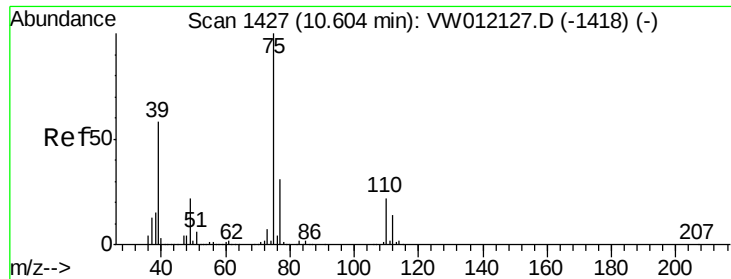
Tgt Ion: 92 Resp: 116817

Ion Ratio Lower Upper

92 100

91 174.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.177 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

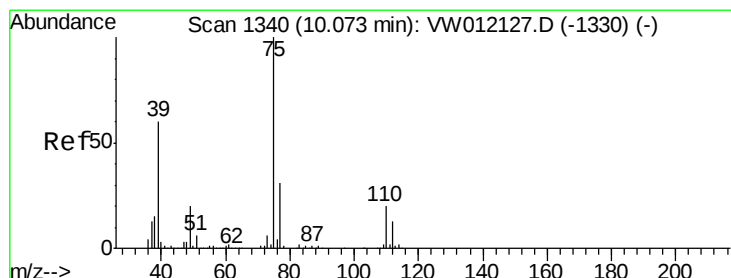
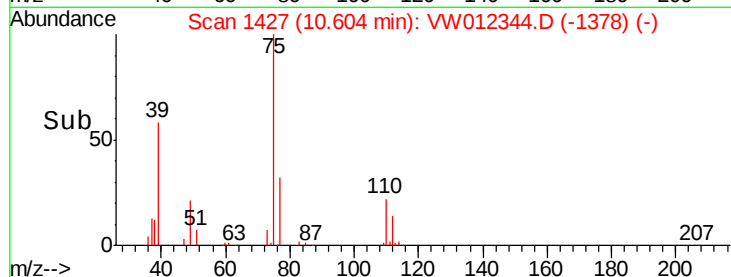
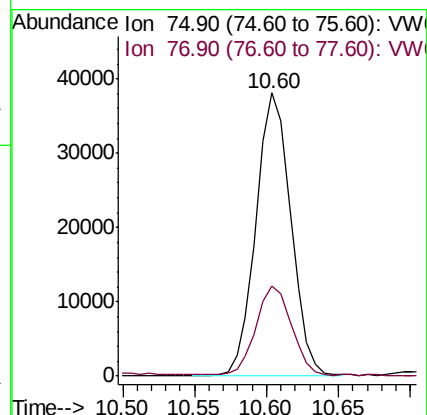
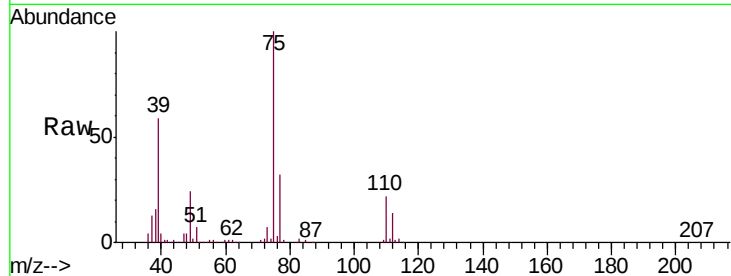
ClientSampleId :

Tot Ion: 75 Resp: 63938

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.916 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

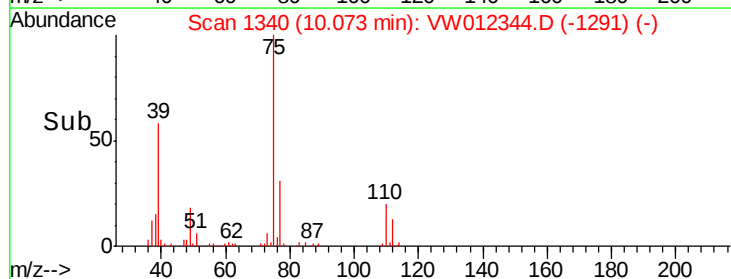
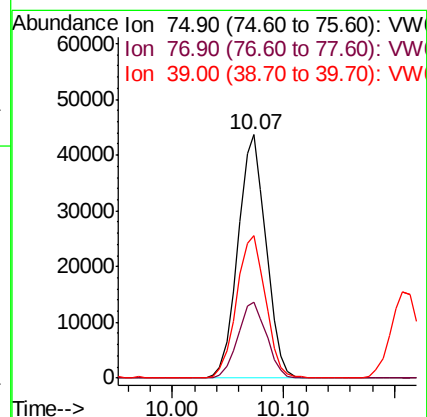
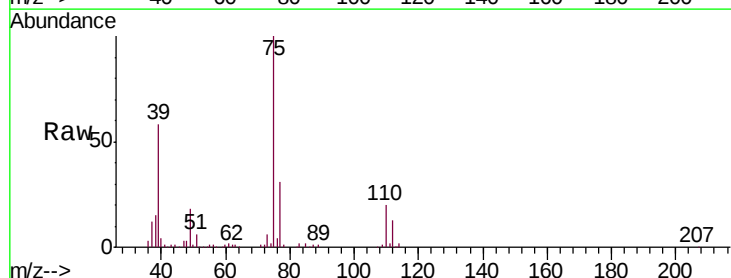
Tgt Ion: 75 Resp: 76203

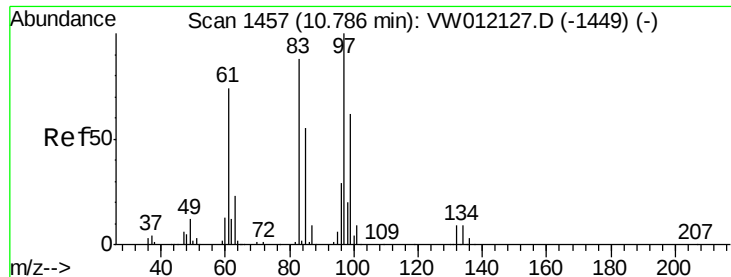
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 58.2 48.3 72.5

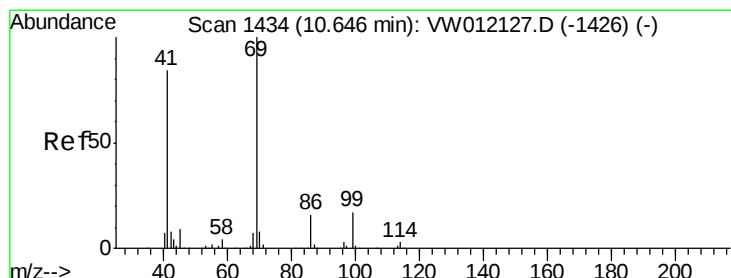
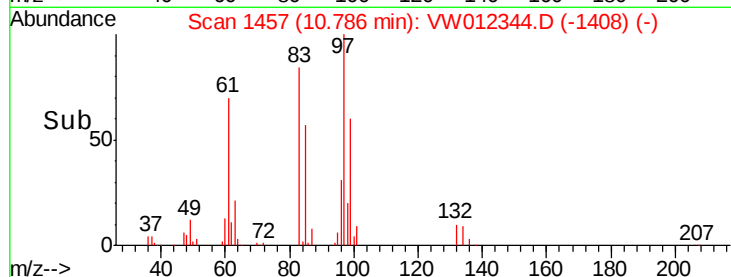
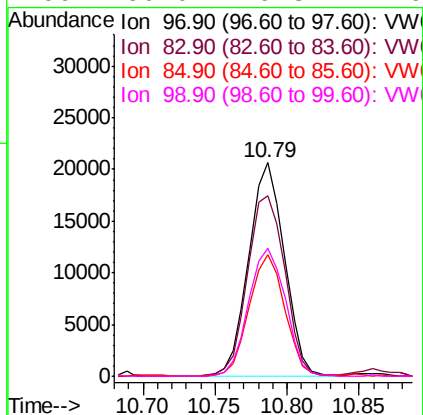
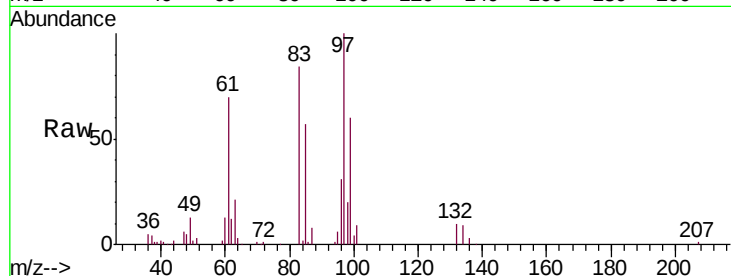




#55
 1,1,2-Trichloroethane
 Concen: 21.362 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

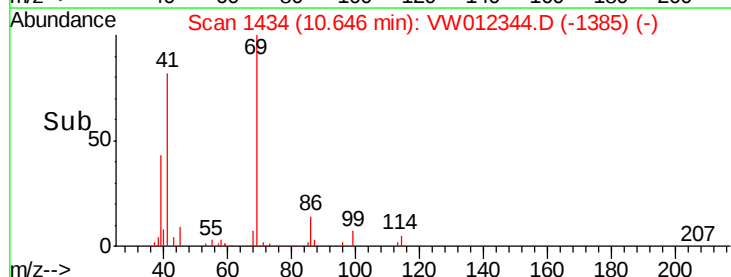
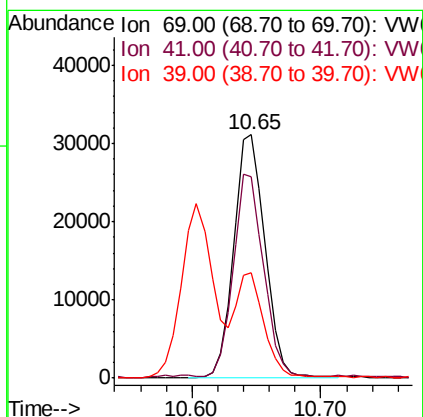
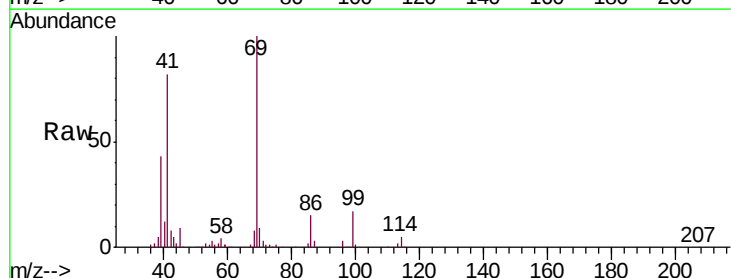
Instrument :
 MSVOA_W
 ClientSampleId :

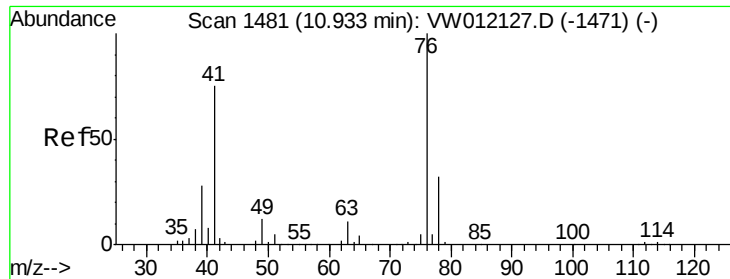
Tot Ion:	97	Resp:	35329
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.8	106.2
85	56.8	43.8	65.8
99	60.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 21.757 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion:	69	Resp:	52368
Ion	Ratio	Lower	Upper
69	100		
41	80.0	66.5	99.7
39	37.6	31.0	46.4

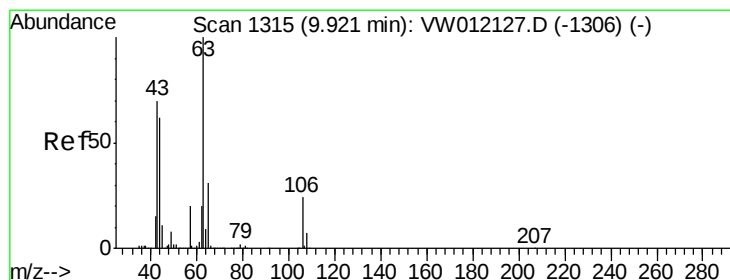
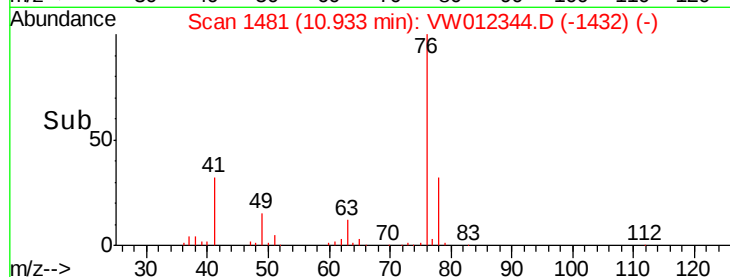
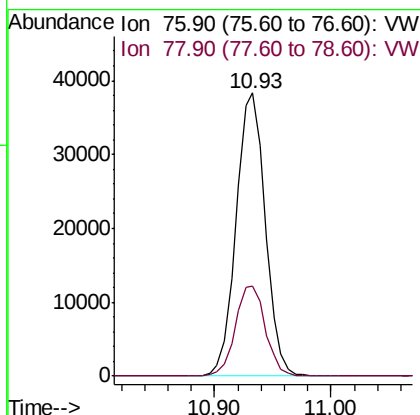
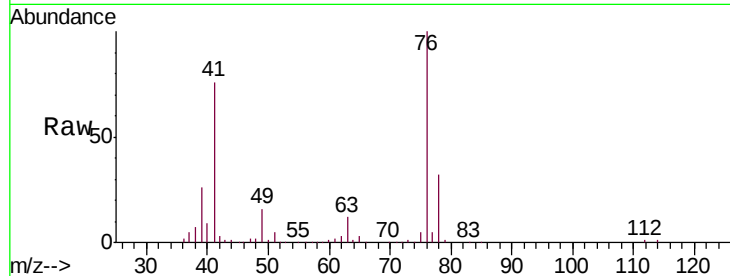




#57
 1,3-Dichloropropane
 Concen: 21.430 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

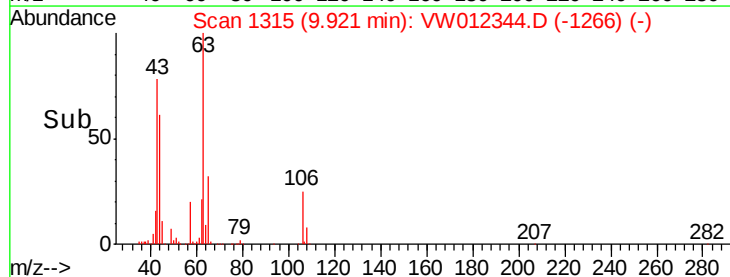
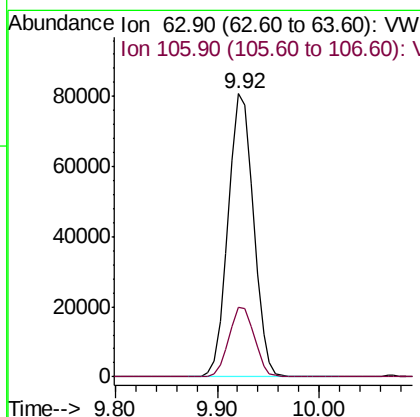
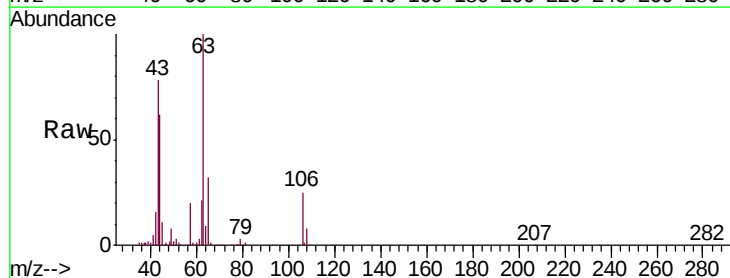
Instrument :
 MSVOA_W
 ClientSampleId :

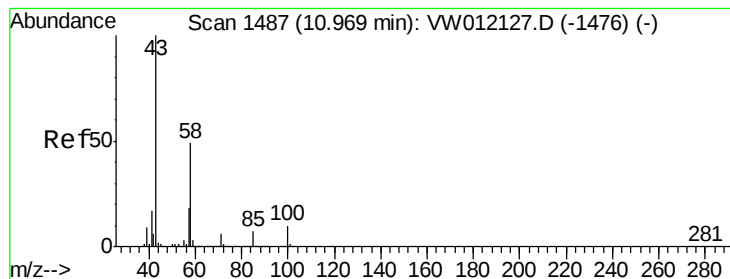
Tot Ion: 76 Resp: 66975
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.631 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 63 Resp: 139134
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





#59

2-Hexanone

Concen: 114.006 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

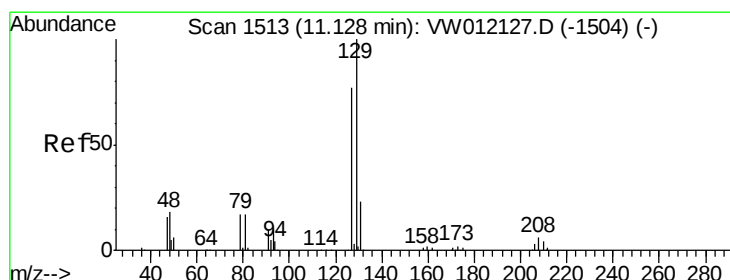
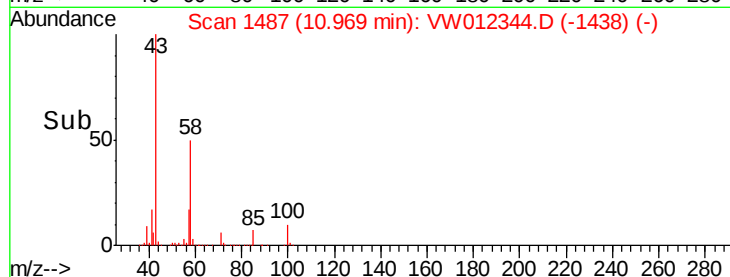
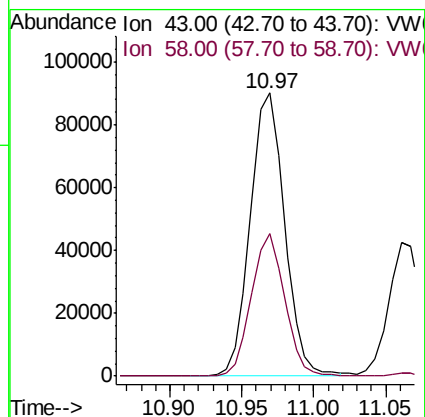
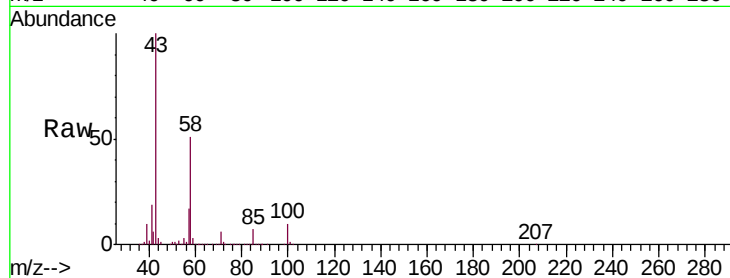
ClientSampled :

Tot Ion: 43 Resp: 148882

Ion Ratio Lower Upper

43 100

58 48.9 24.3 72.9



#60

Dibromochloromethane

Concen: 20.207 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012344.D

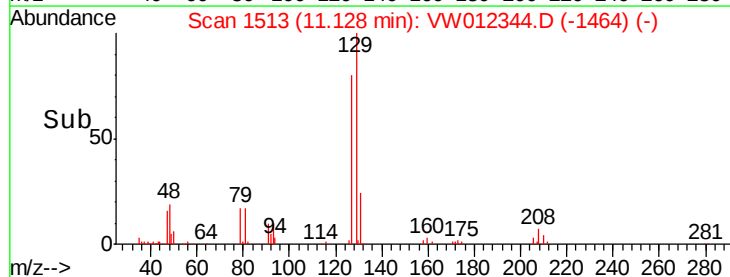
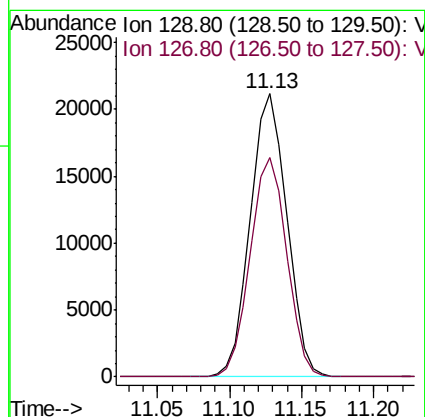
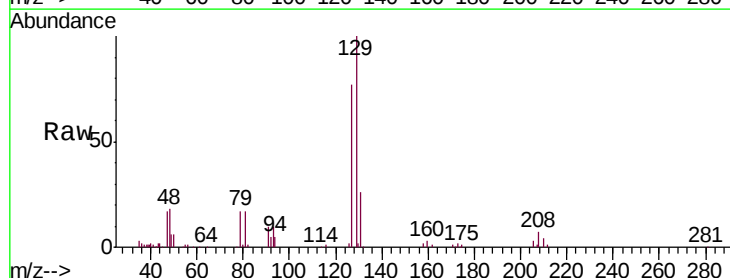
Acq: 30 Aug 2019 11:34

Tgt Ion: 129 Resp: 37222

Ion Ratio Lower Upper

129 100

127 77.4 38.6 115.8

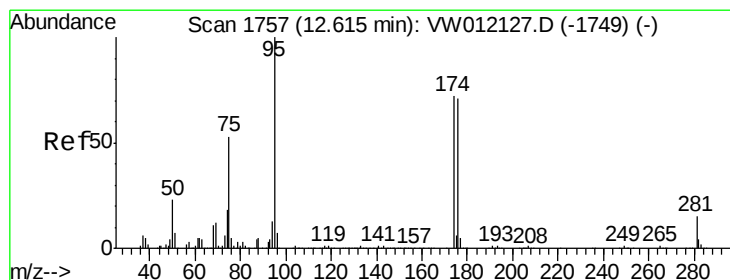
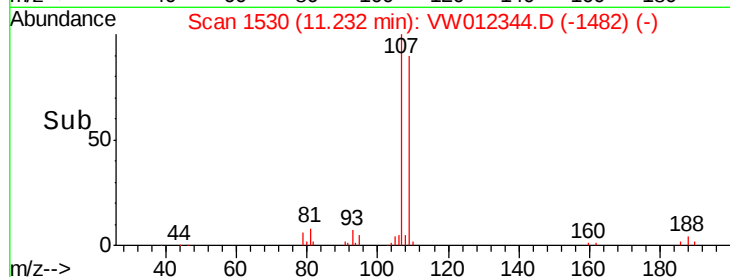
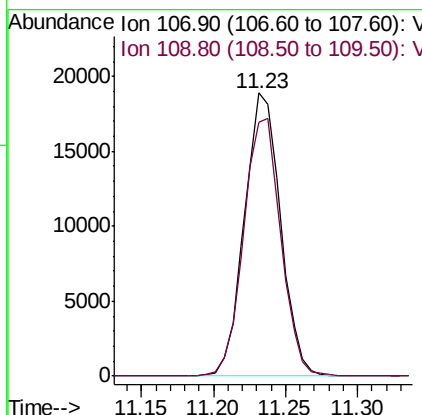
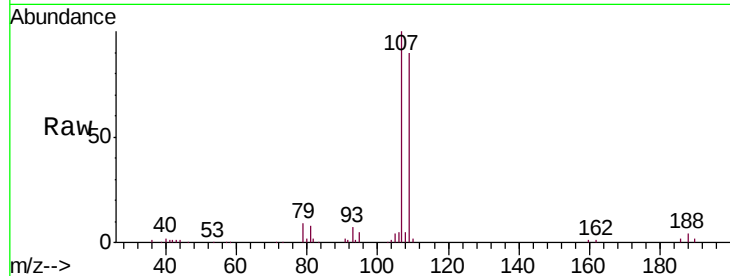




#61
 1,2-Dibromoethane
 Concen: 21.289 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

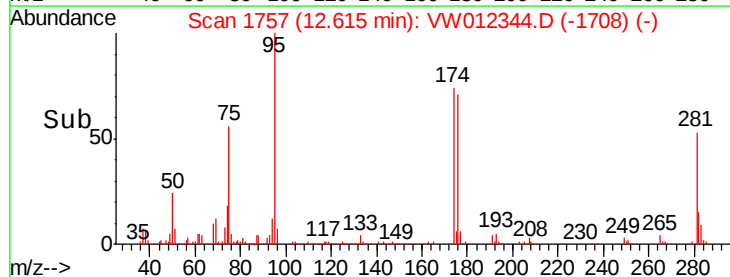
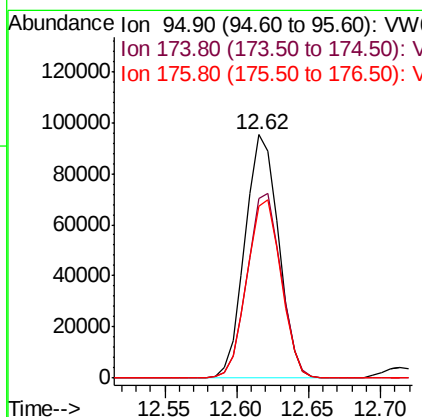
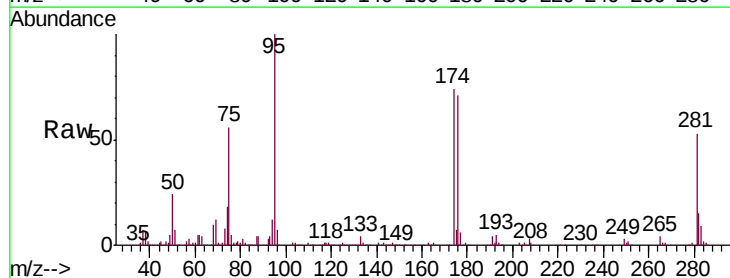
Instrument :
 MSVOA_W
 ClientSampleId :

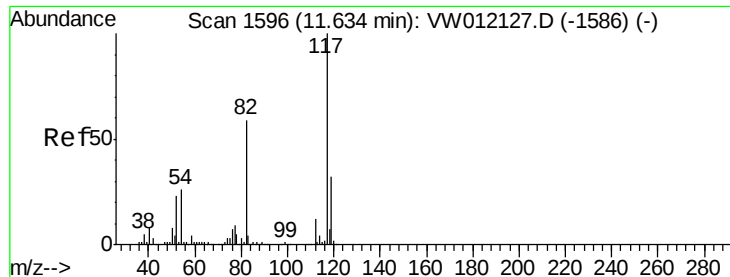
Tot Ion: 107 Resp: 32800
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.217 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 95 Resp: 154112
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.8
 176 74.5 0.0 148.6

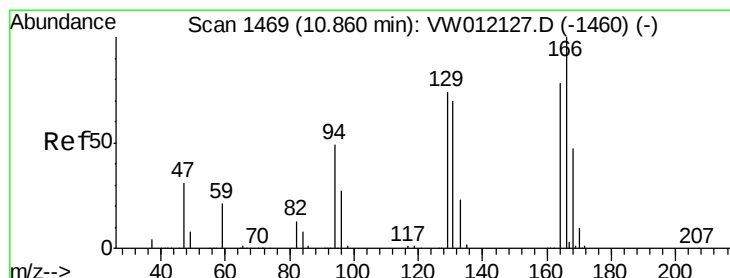
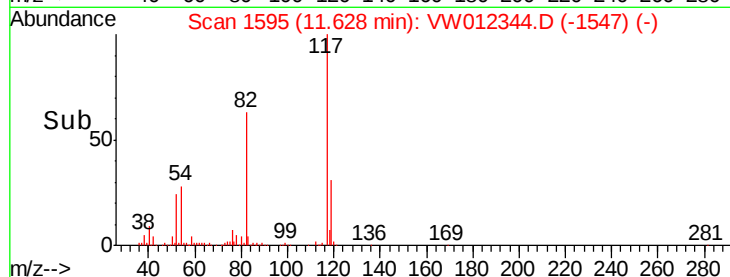
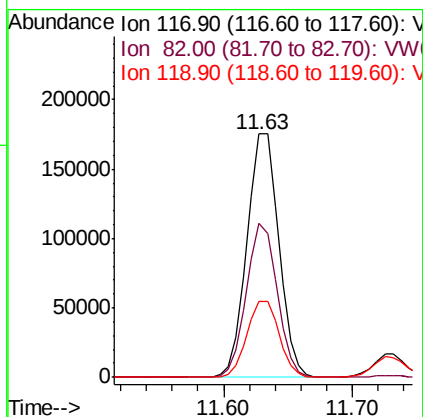
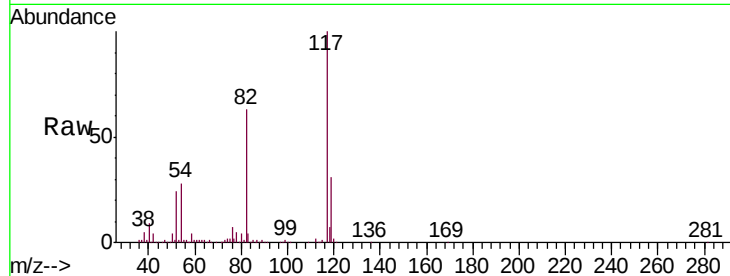




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

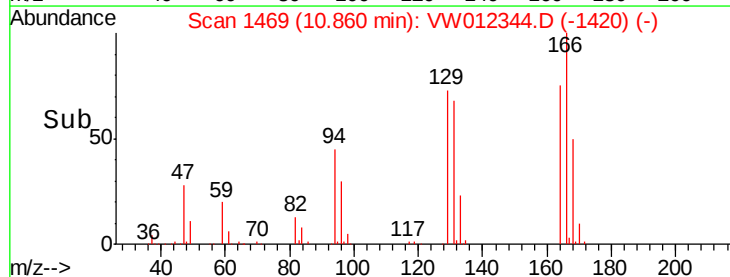
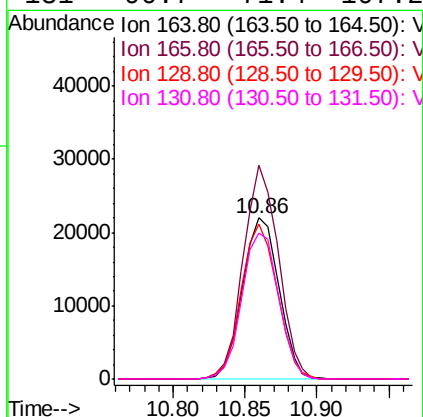
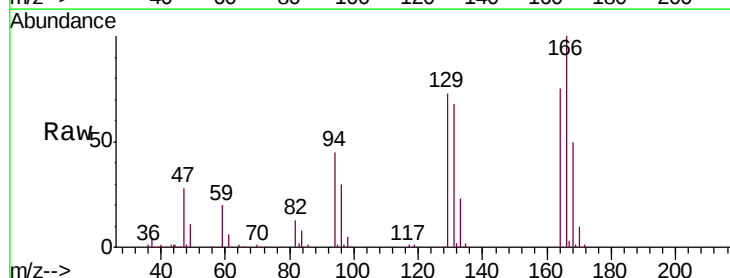
Instrument :
MSVOA_W
ClientSampleId :

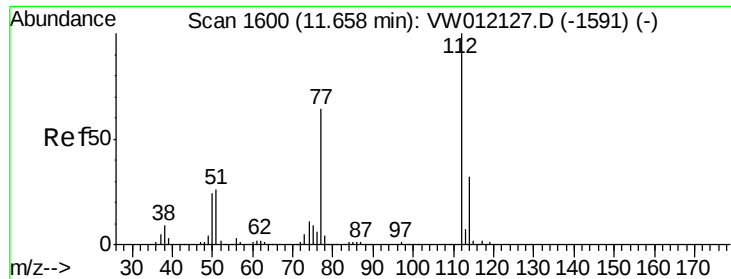
Tot Ion:117 Resp: 300151
Ion Ratio Lower Upper
117 100
82 63.4 47.4 71.2
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 19.891 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion:164 Resp: 38708
Ion Ratio Lower Upper
164 100
166 132.6 102.4 153.6
129 96.5 75.8 113.6
131 90.7 71.4 107.2

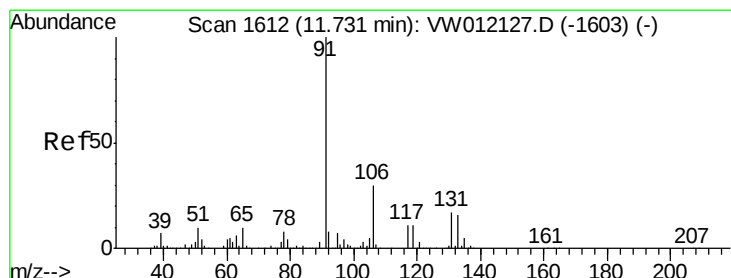
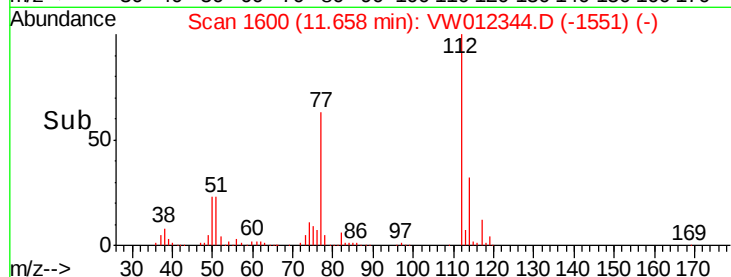
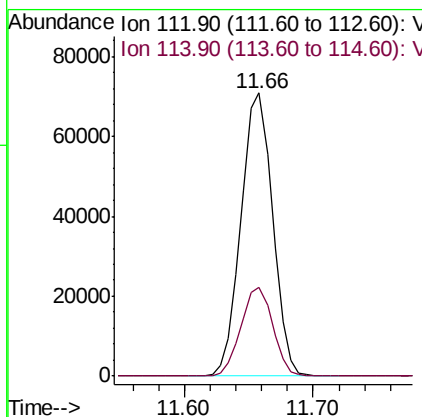
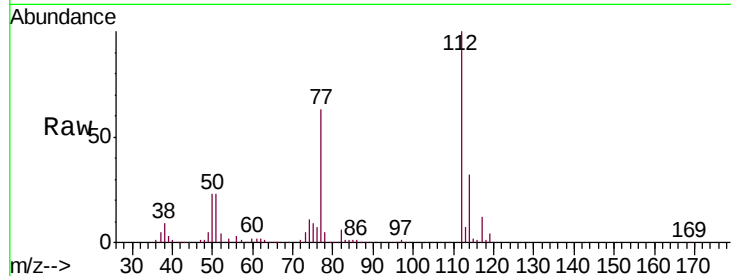




#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

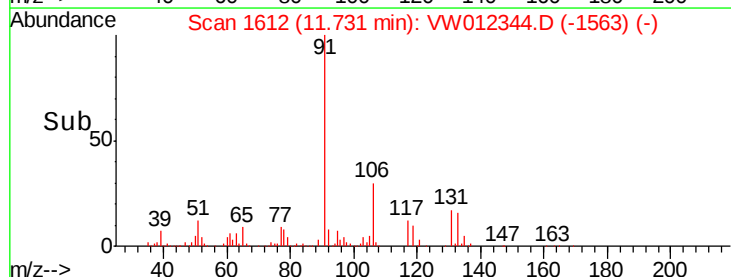
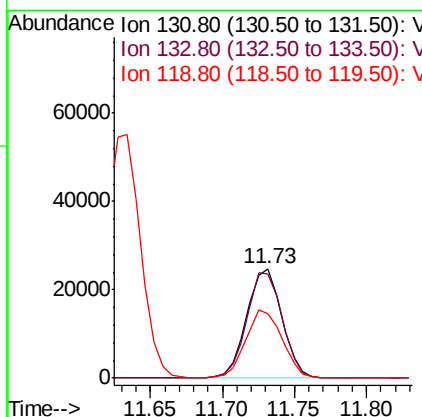
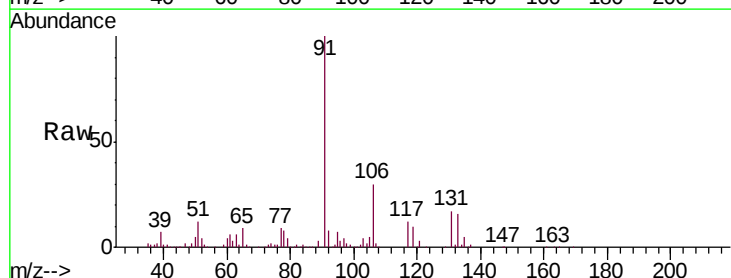
Instrument :
MSVOA_W
ClientSampleId :

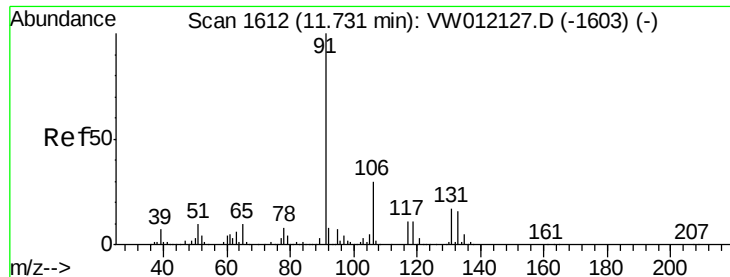
Tot Ion:112 Resp: 120444
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.243 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion:131 Resp: 41738
Ion Ratio Lower Upper
131 100
133 97.5 47.1 141.3
119 65.0 31.8 95.3

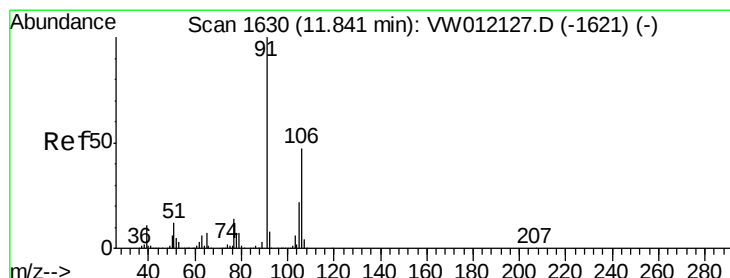
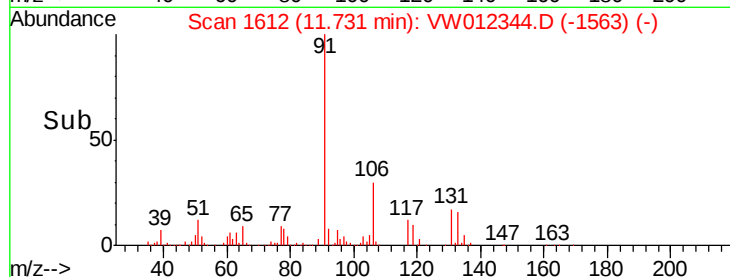
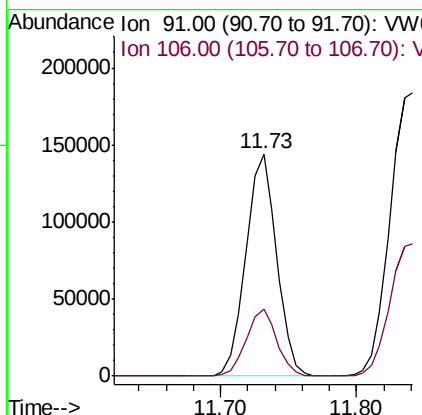
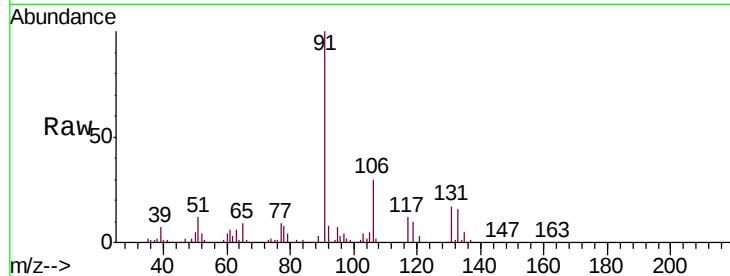




#67
Ethyl Benzene
Concen: 20.045 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

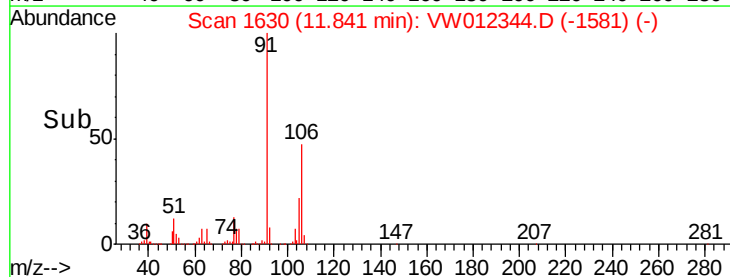
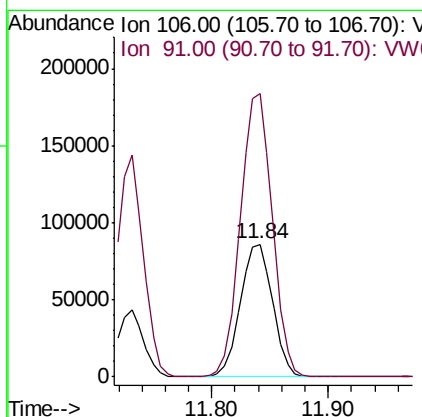
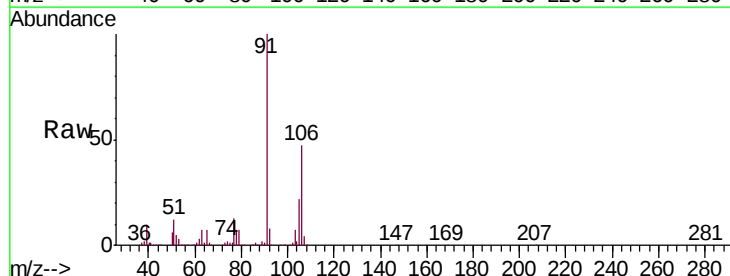
Instrument :
MSVOA_W
ClientSampled :

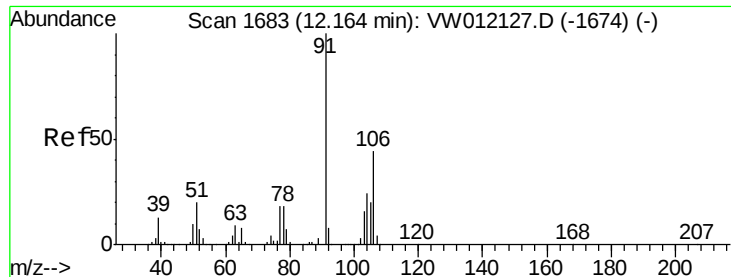
Tot Ion: 91 Resp: 228215
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5



#68
m/p-Xylenes
Concen: 40.436 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 106 Resp: 165830
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3

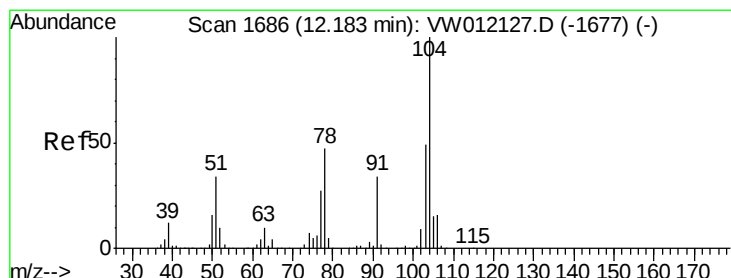
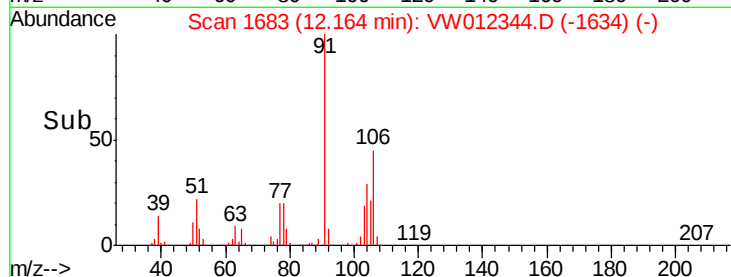
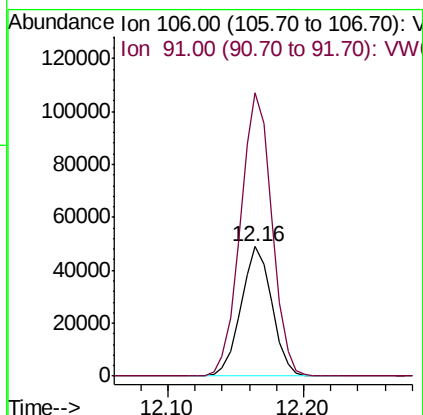
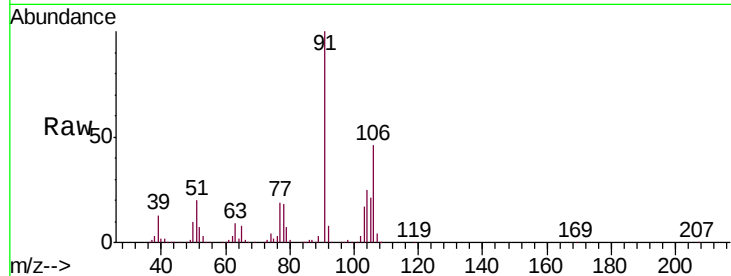




#69
o-Xylene
Concen: 20.491 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

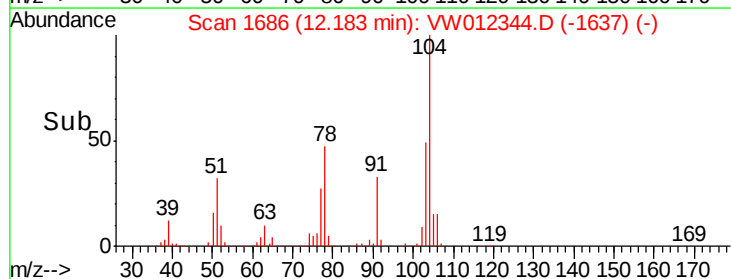
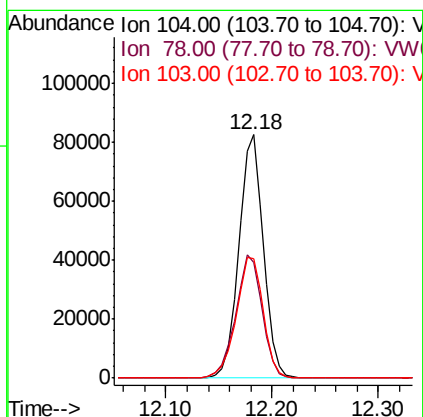
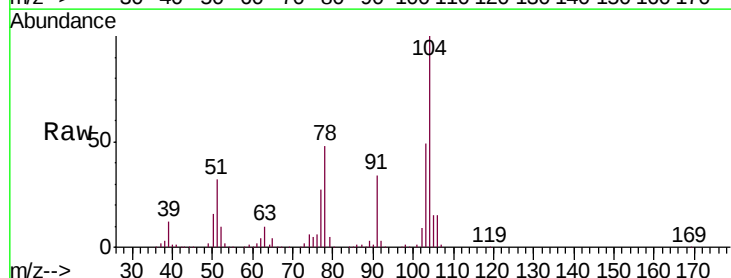
Instrument :
MSVOA_W
ClientSampled :

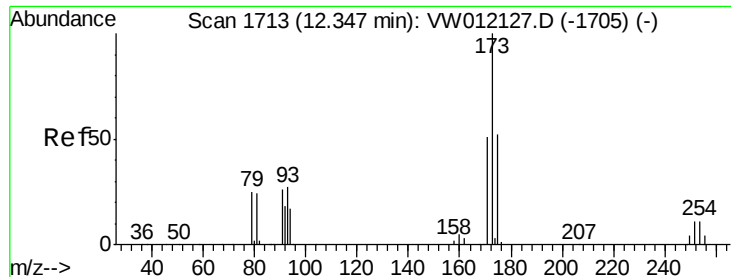
Tot Ion:106 Resp: 77775
Ion Ratio Lower Upper
106 100
91 222.2 111.6 334.6



#70
Styrene
Concen: 20.270 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion:104 Resp: 133171
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 54.9 43.5 65.3





#71

Bromoform

Concen: 21.068 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

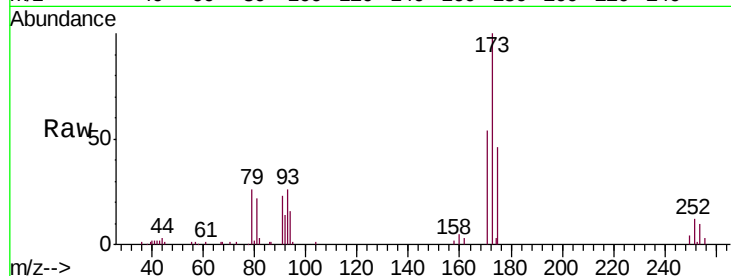
Tot Ion:173 Resp: 21642

Ion Ratio Lower Upper

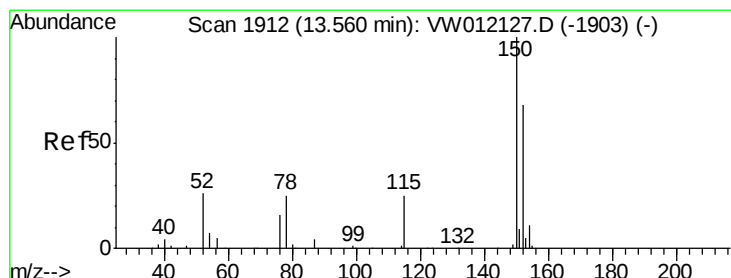
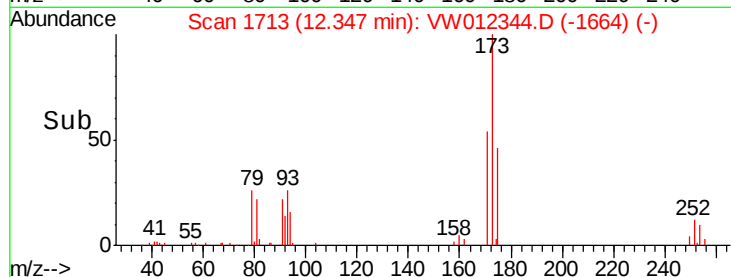
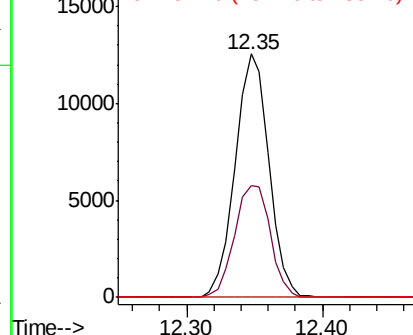
173 100

175 48.7 24.6 74.0

254 0.0 0.2 0.2#



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: VW012344.D

Acq: 30 Aug 2019 11:34

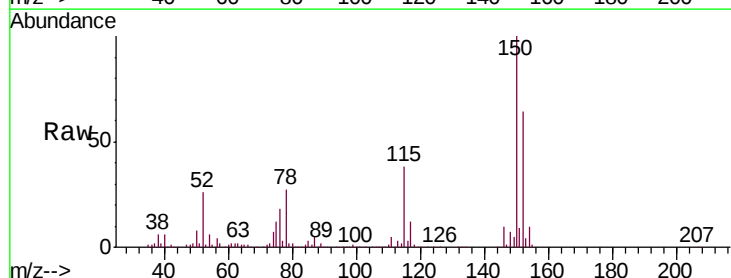
Tgt Ion:152 Resp: 149323

Ion Ratio Lower Upper

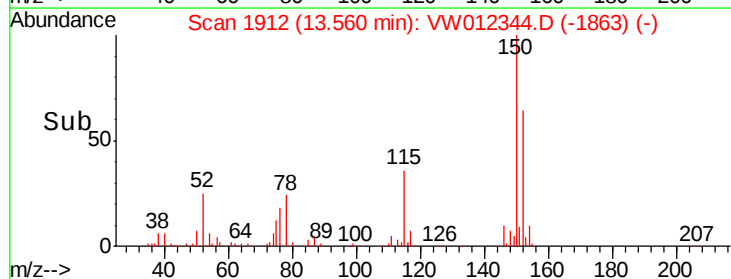
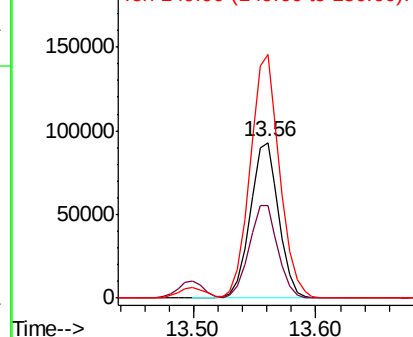
152 100

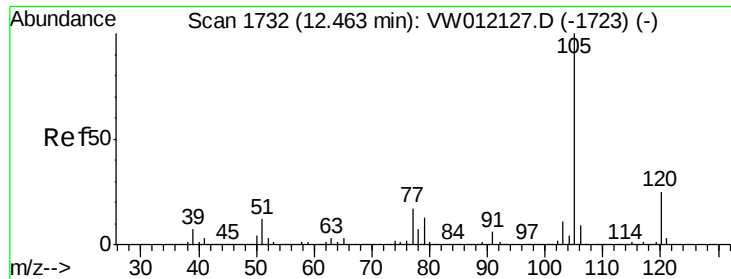
115 60.0 30.1 90.3

150 162.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.618 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

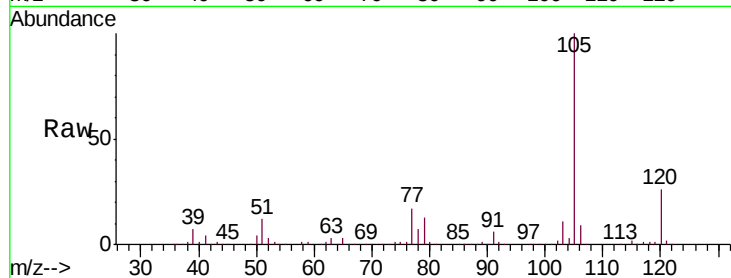
ClientSampled :

Tot Ion:105 Resp: 219506

Ion Ratio Lower Upper

105 100

120 25.8 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

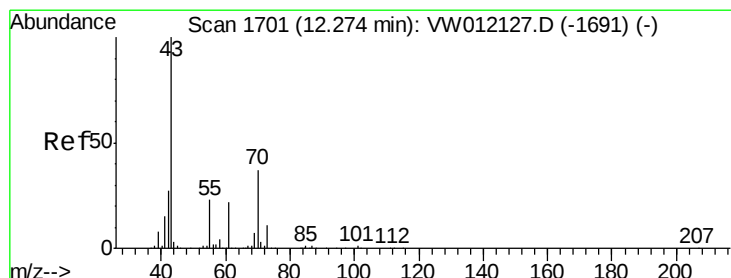
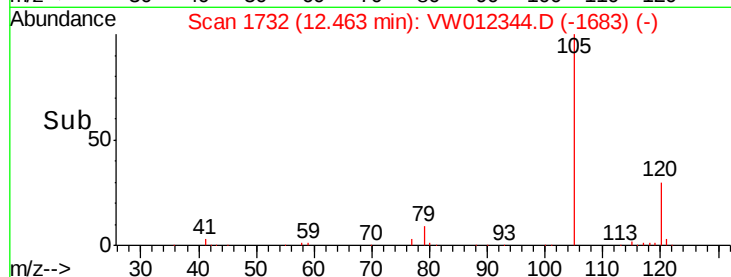
50000

0

12.46

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 21.935 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion: 43 Resp: 74150

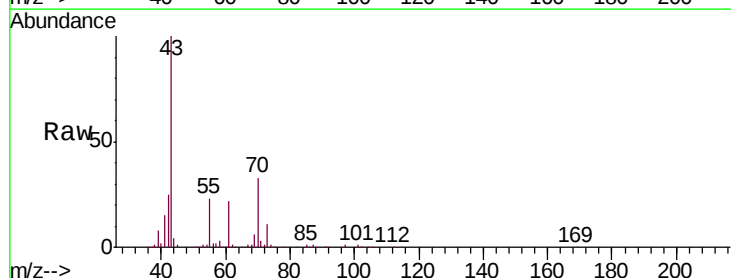
Ion Ratio Lower Upper

43 100

70 34.9 28.6 43.0

55 23.3 17.8 26.6

61 21.5 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

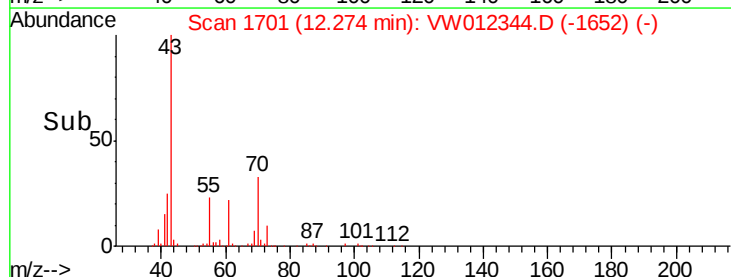
20000

0

12.27

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.204 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

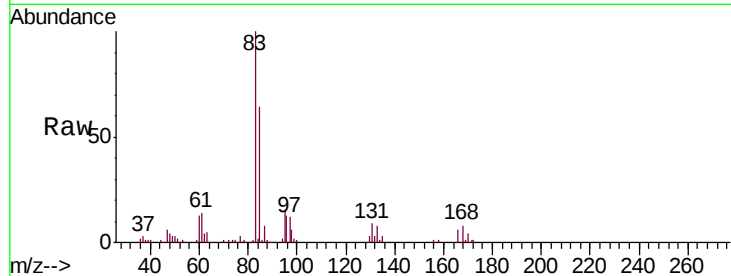
Tot Ion: 83 Resp: 43496

Ion Ratio Lower Upper

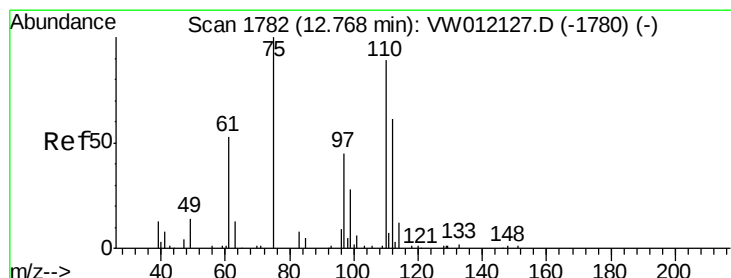
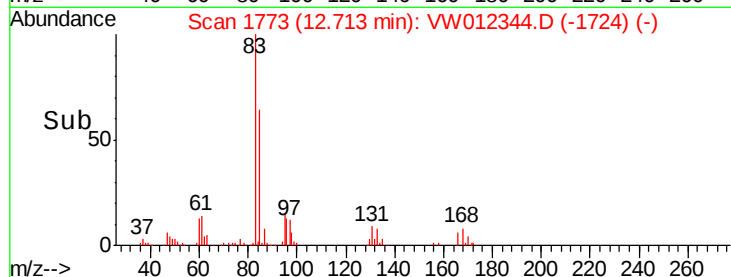
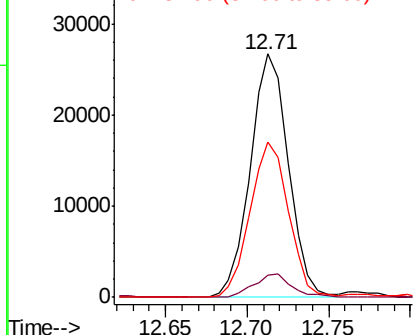
83 100

131 9.6 4.9 14.7

85 64.6 31.9 95.7



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



#76

1,2,3-Trichloropropane

Concen: 39.614 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012344.D

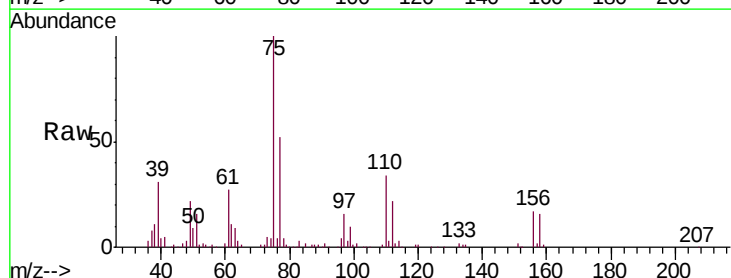
Acq: 30 Aug 2019 11:34

Tgt Ion: 75 Resp: 57611

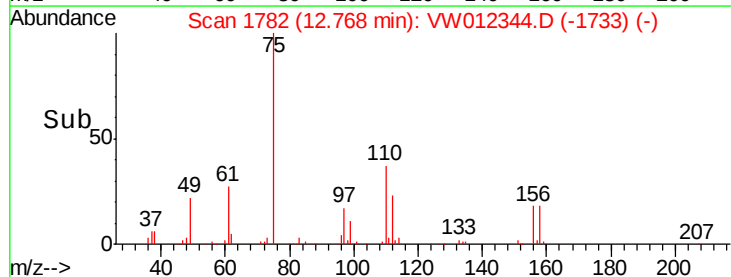
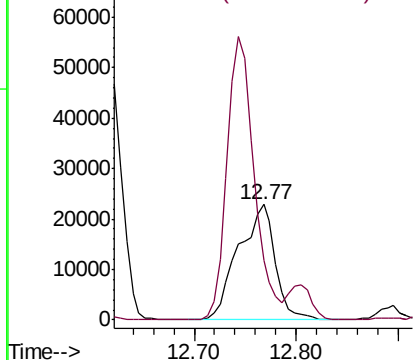
Ion Ratio Lower Upper

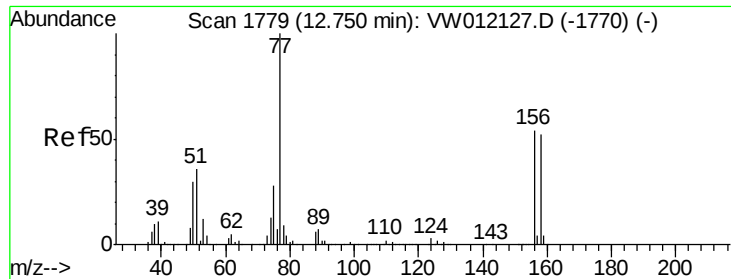
75 100

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: 19.689 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

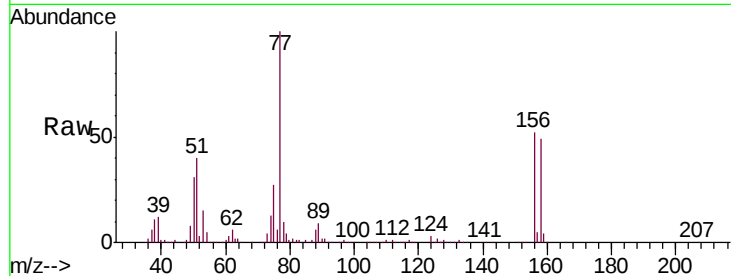
Tot Ion:156 Resp: 47660

Ion Ratio Lower Upper

156 100

77 218.1 107.3 321.8

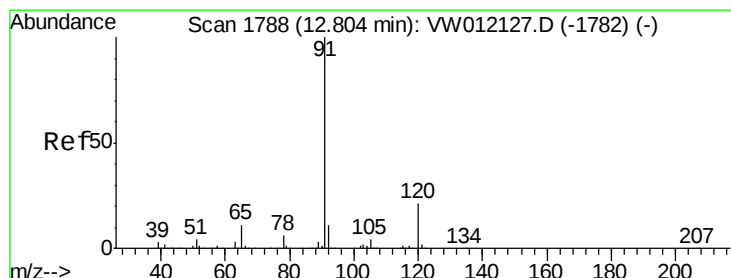
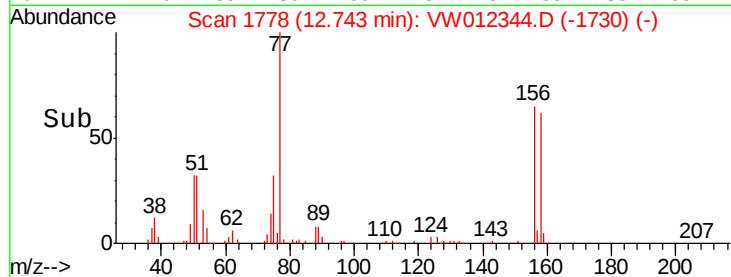
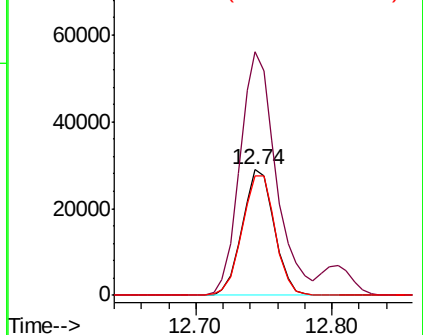
158 98.1 49.0 147.0



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: 19.675 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012344.D

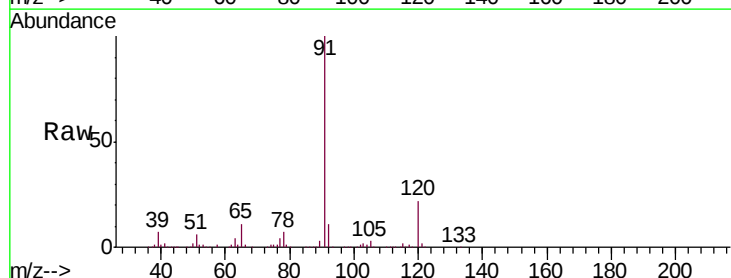
Acq: 30 Aug 2019 11:34

Tgt Ion: 91 Resp: 268751

Ion Ratio Lower Upper

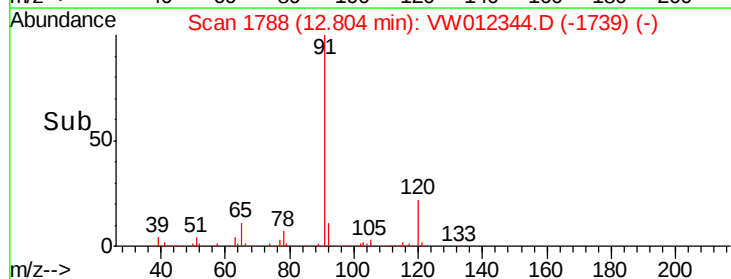
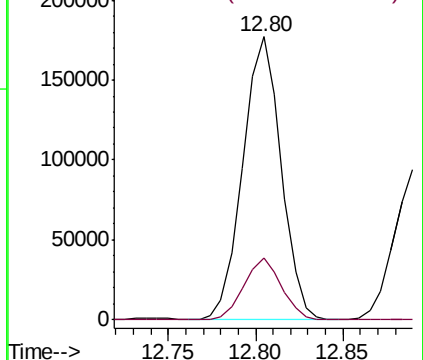
91 100

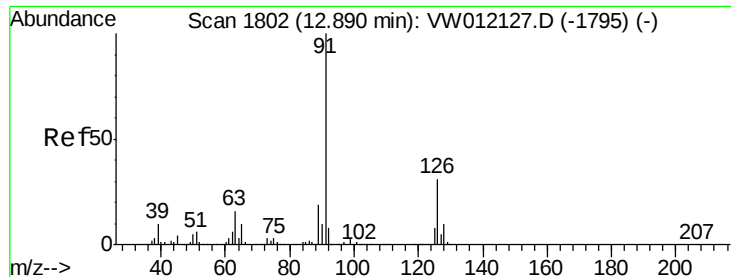
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.505 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

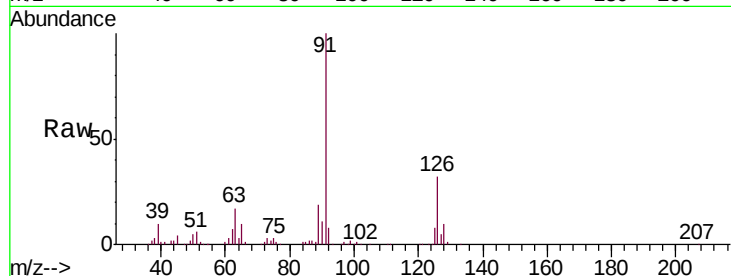
ClientSampleId :

Tot Ion: 91 Resp: 151260

Ion Ratio Lower Upper

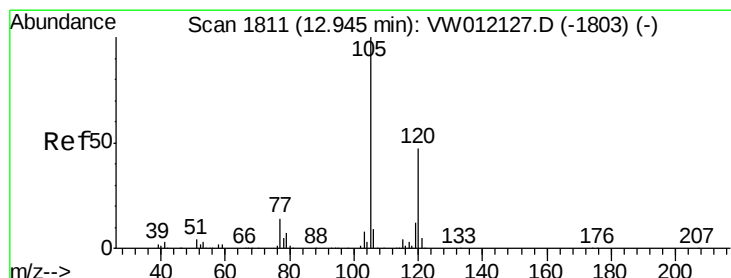
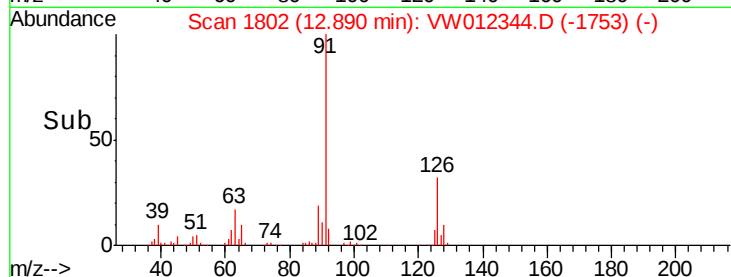
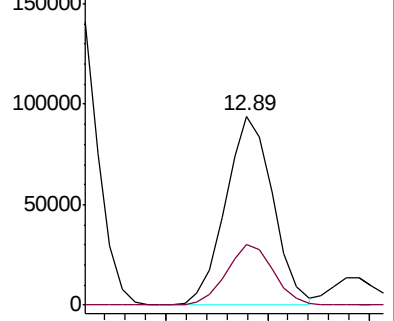
91 100

126 32.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.152 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012344.D

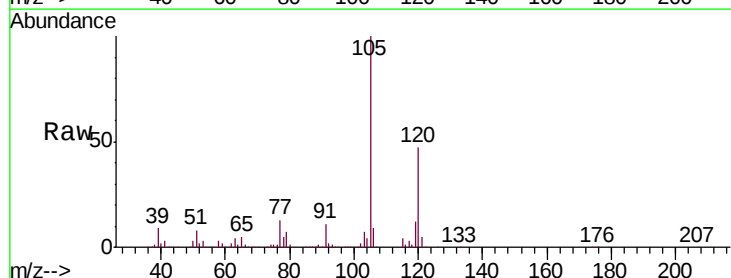
Acq: 30 Aug 2019 11:34

Tgt Ion:105 Resp: 188414

Ion Ratio Lower Upper

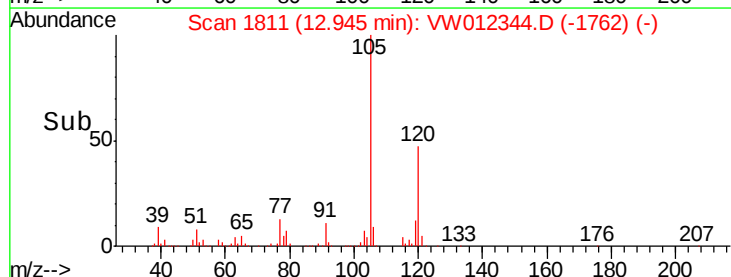
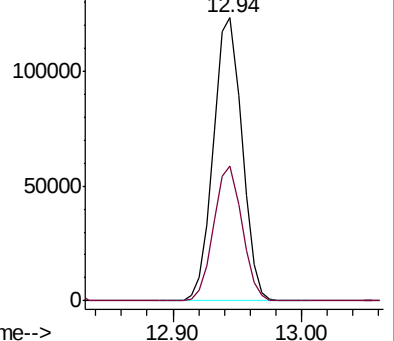
105 100

120 47.4 24.0 72.0



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: 20.342 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

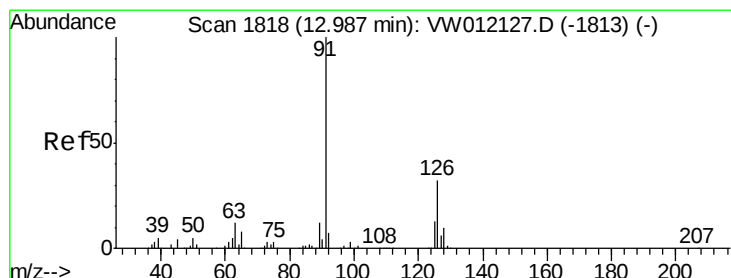
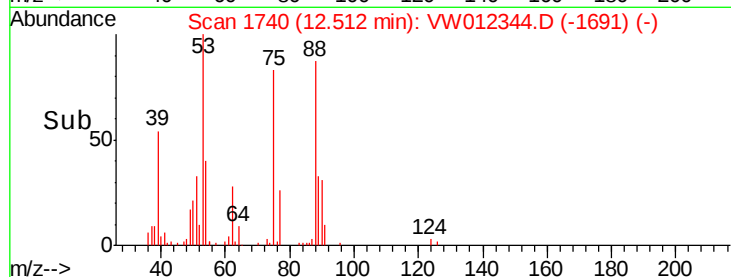
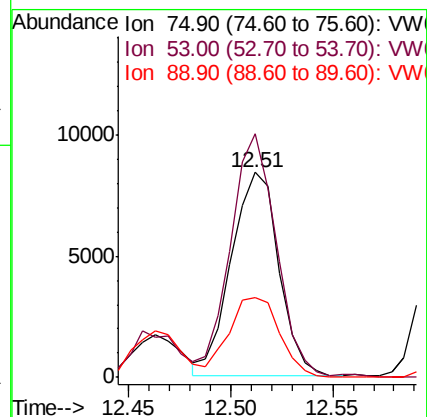
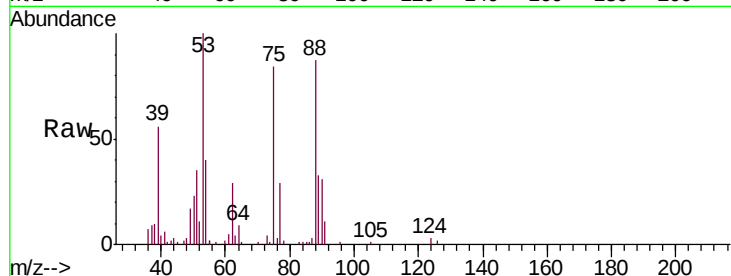
Tot Ion: 75 Resp: 13493

Ion Ratio Lower Upper

75 100

53 117.3 89.4 134.0

89 42.2 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.963 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012344.D

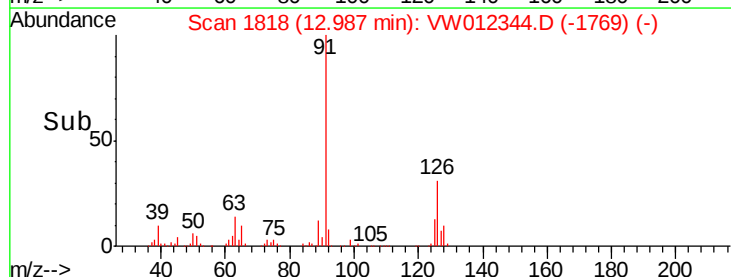
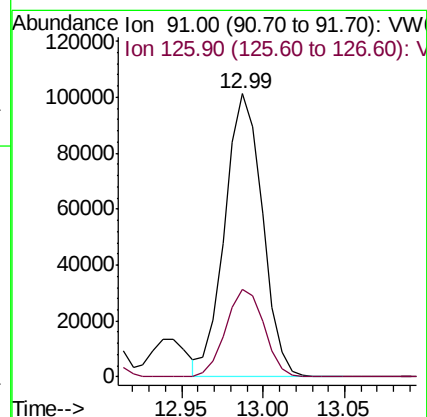
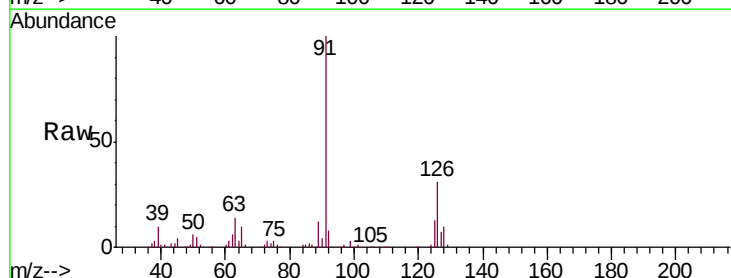
Acq: 30 Aug 2019 11:34

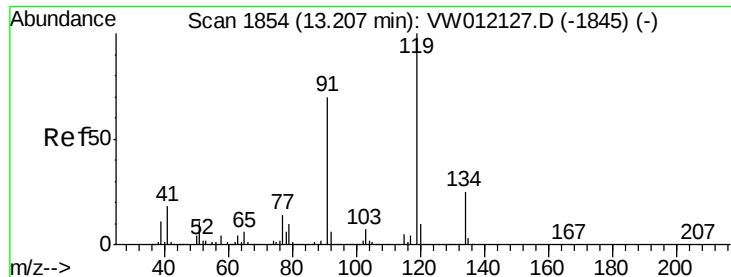
Tgt Ion: 91 Resp: 162106

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8





#83

tert-Butylbenzene

Concen: 20.245 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

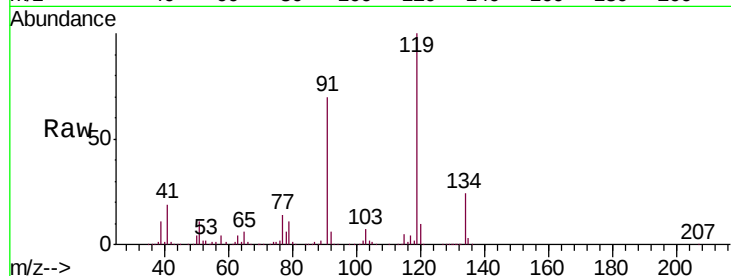
Tot Ion:119 Resp: 160336

Ion Ratio Lower Upper

119 100

91 68.6 34.8 104.3

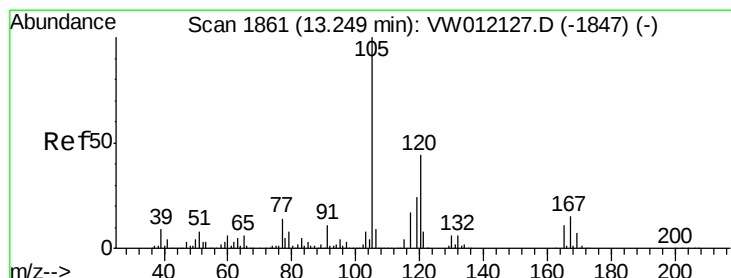
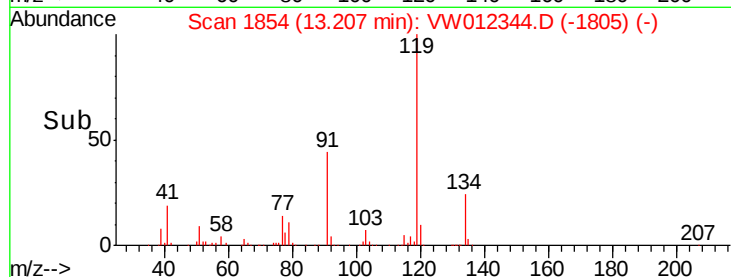
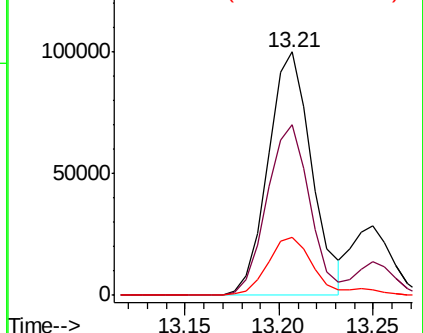
134 26.2 13.3 39.8



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: 19.890 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW012344.D

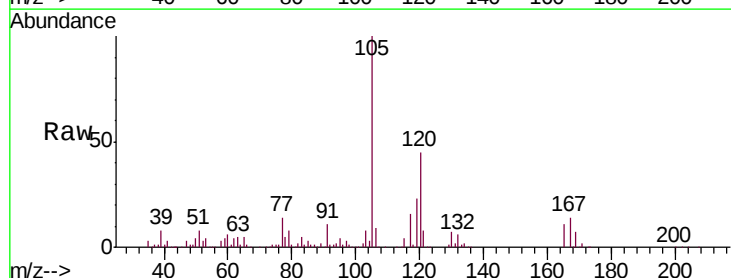
Acq: 30 Aug 2019 11:34

Tgt Ion:105 Resp: 186803

Ion Ratio Lower Upper

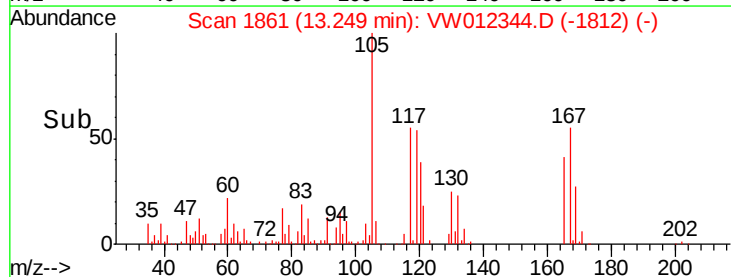
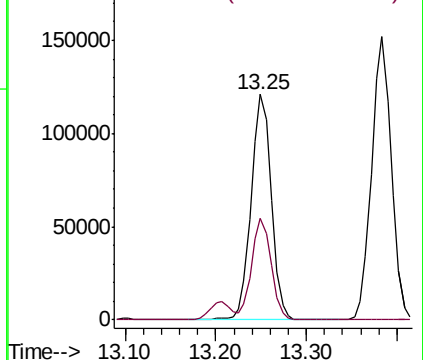
105 100

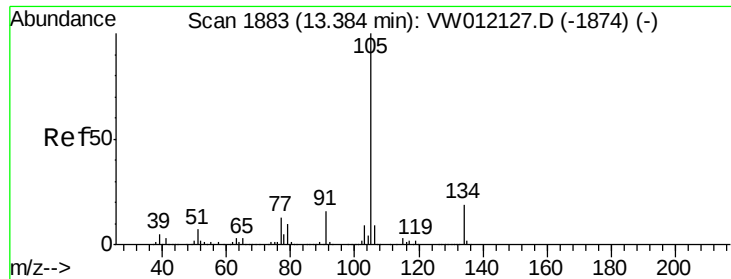
120 43.5 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.146 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

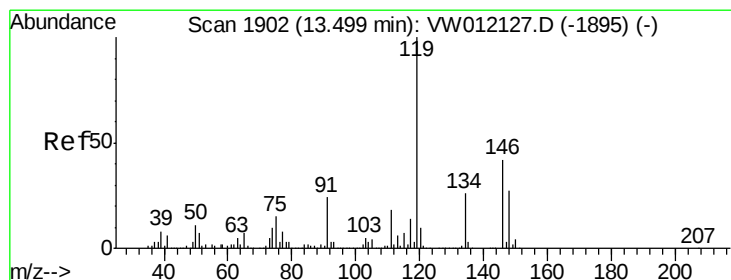
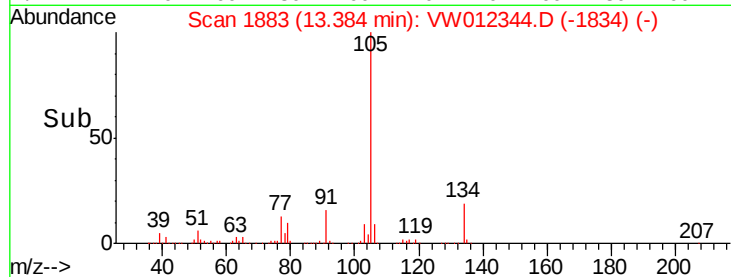
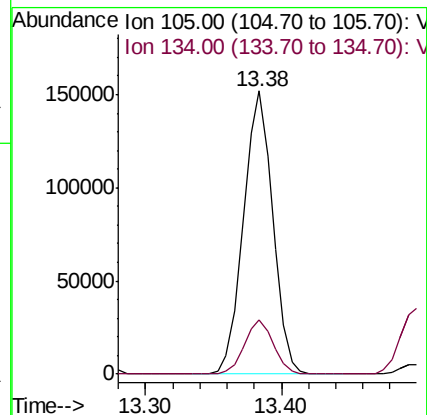
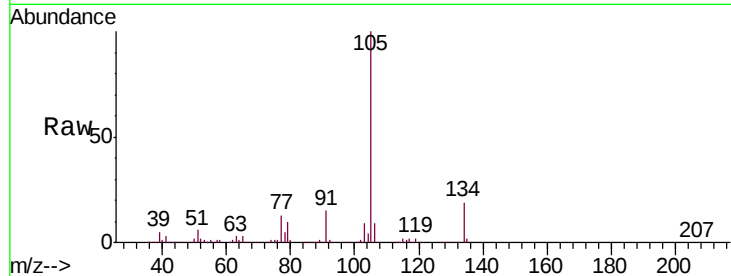
ClientSampleId :

Tot Ion:105 Resp: 228582

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.408 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

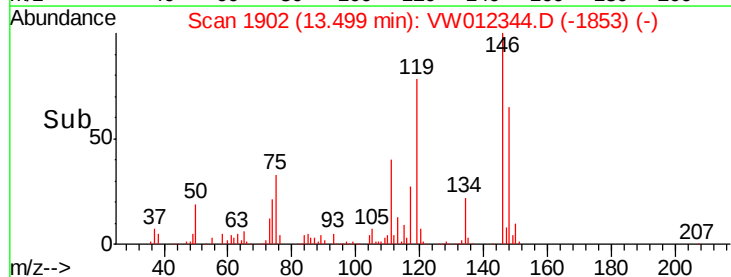
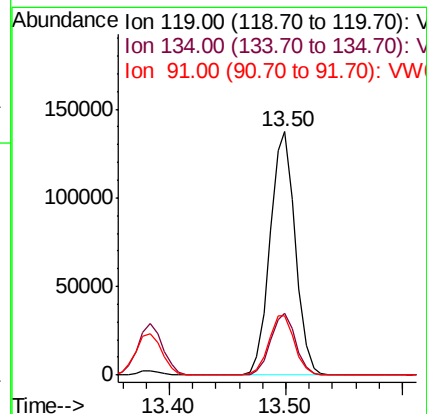
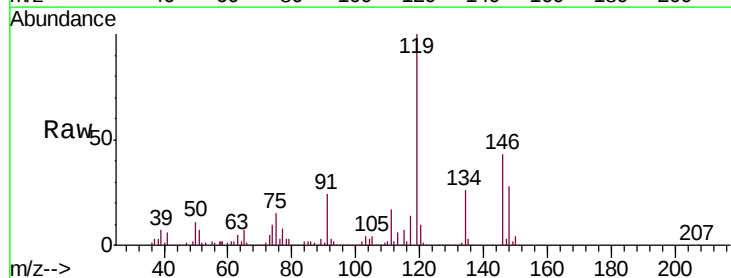
Tgt Ion:119 Resp: 206798

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

91 24.7 12.3 36.9

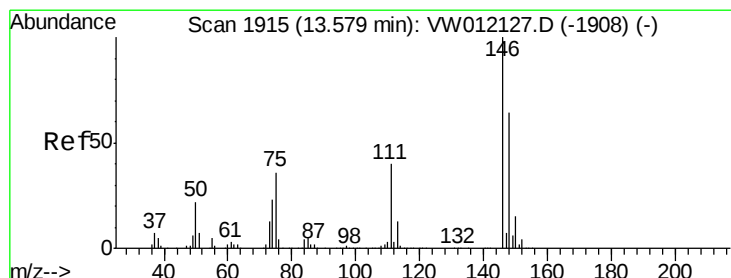
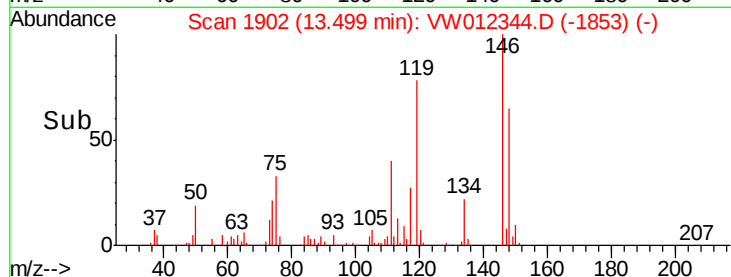
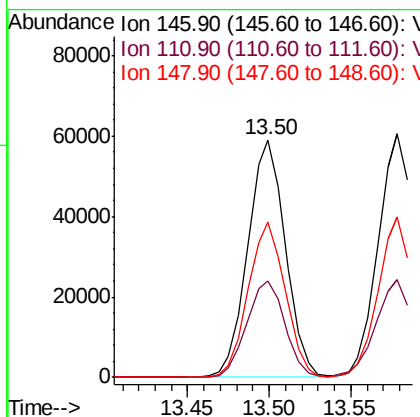
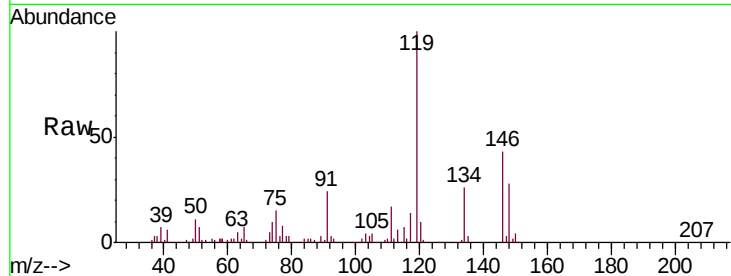




#87
 1,3-Dichlorobenzene
 Concen: 19.950 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

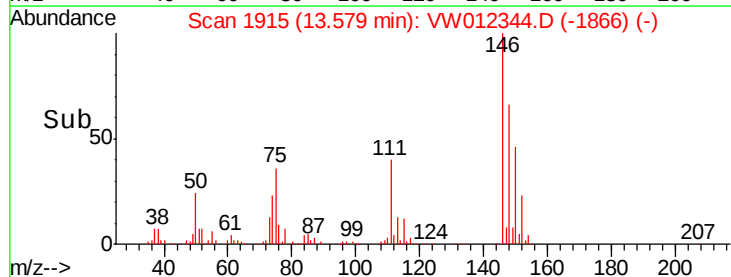
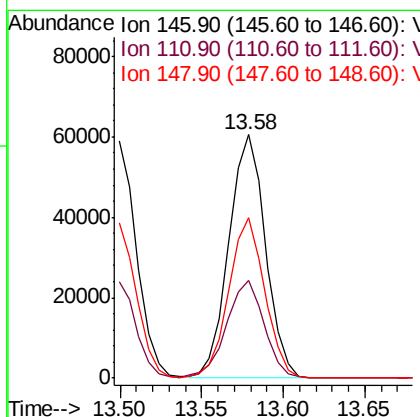
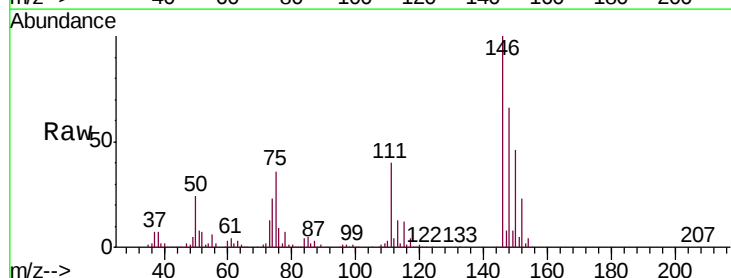
Instrument :
 MSVOA_W
 ClientSampled :

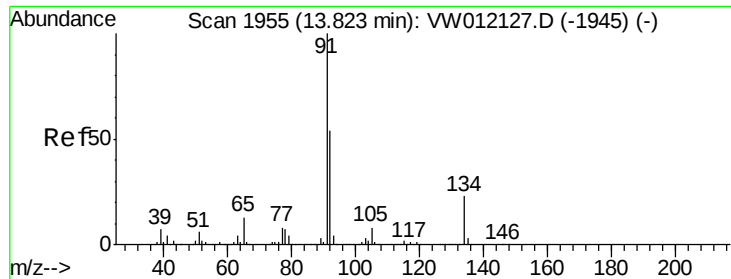
Tot Ion:146 Resp: 94458
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.7
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.131 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion:146 Resp: 94641
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 64.9 32.1 96.3





#89

n-Butylbenzene

Concen: 20.206 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

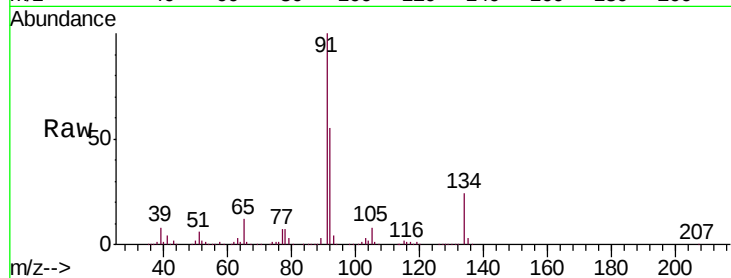
Tot Ion: 91 Resp: 203611

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.2

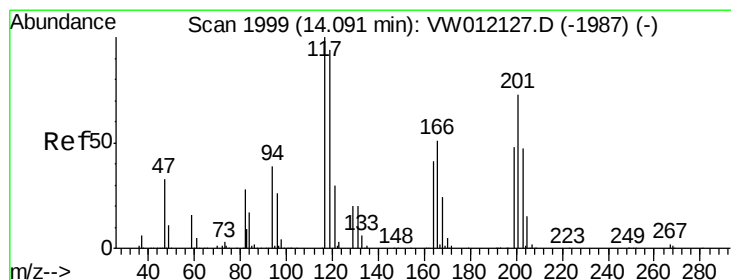
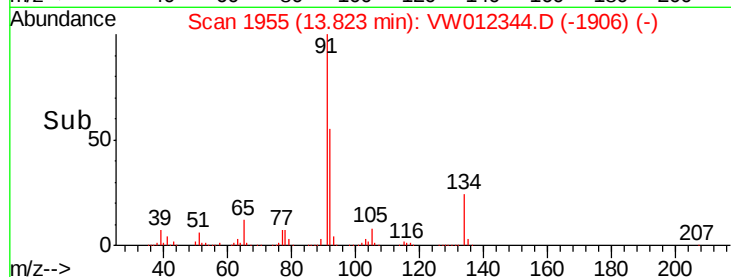
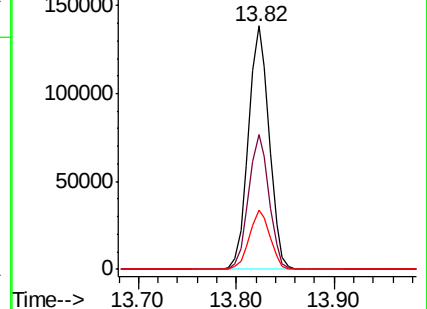
134 24.2 12.2 36.4



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: 19.508 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012344.D

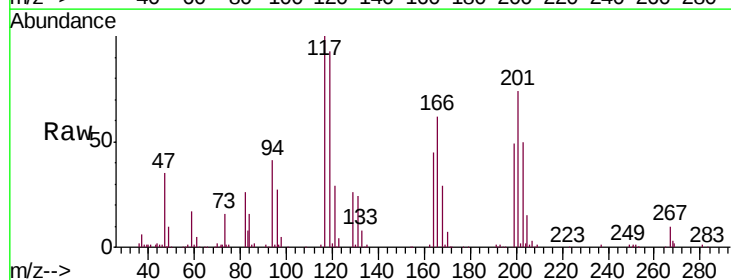
Acq: 30 Aug 2019 11:34

Tgt Ion: 117 Resp: 34681

Ion Ratio Lower Upper

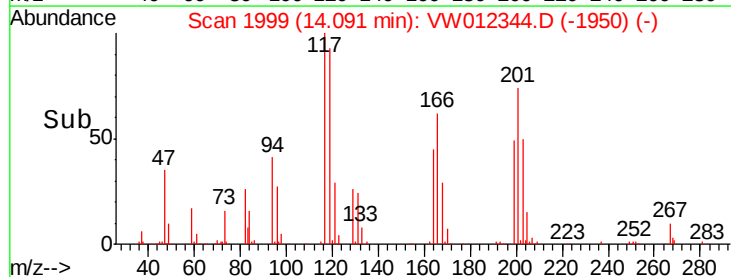
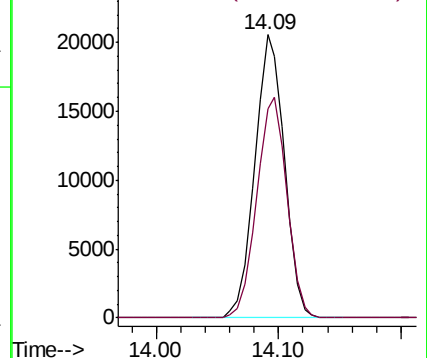
117 100

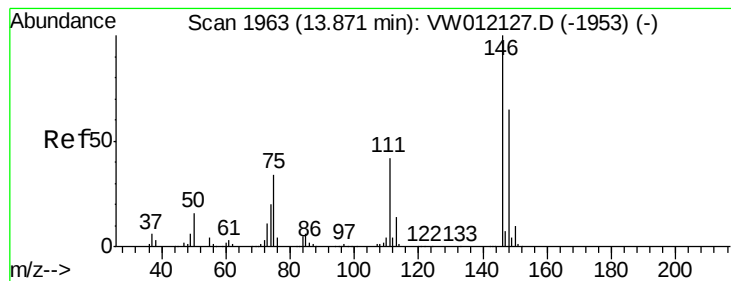
201 79.2 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.896 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

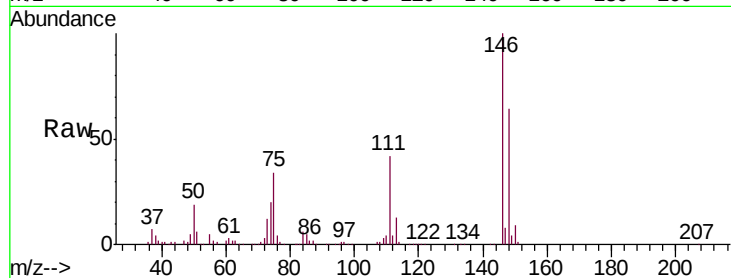
Tot Ion:146 Resp: 86790

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

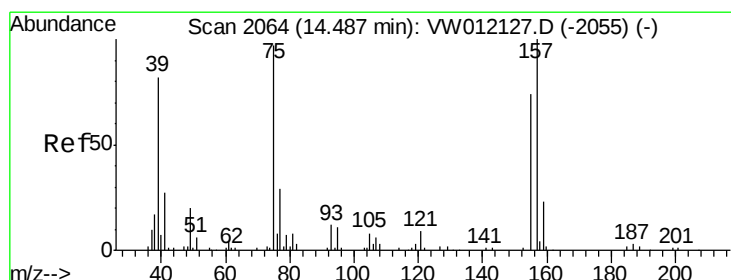
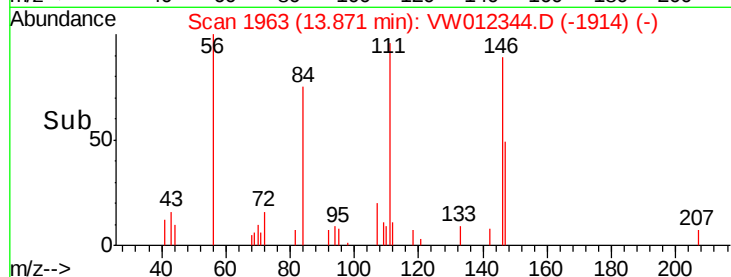
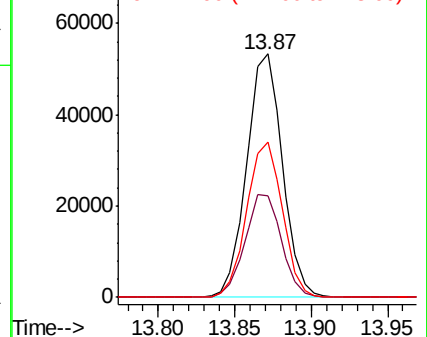
148 63.5 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.608 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

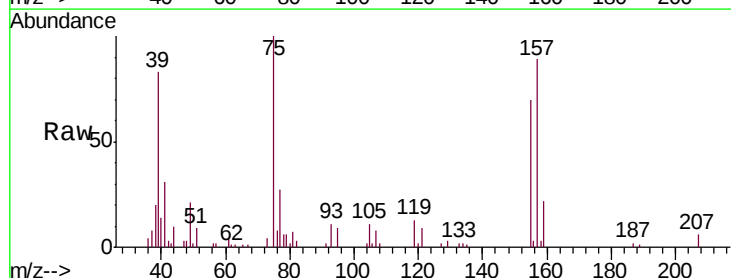
Tgt Ion: 75 Resp: 7818

Ion Ratio Lower Upper

75 100

155 74.5 37.5 112.3

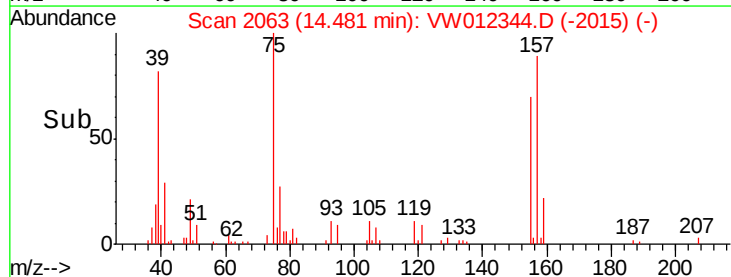
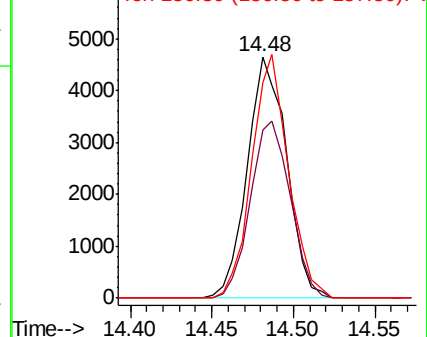
157 94.1 50.5 151.5

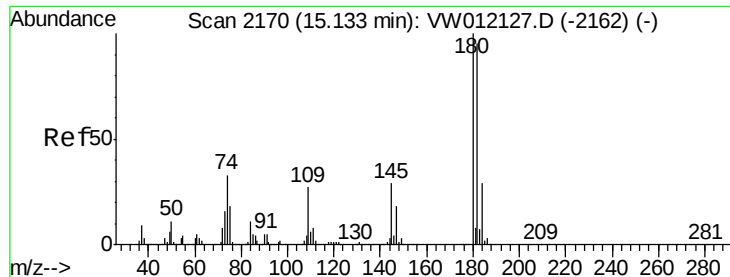


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

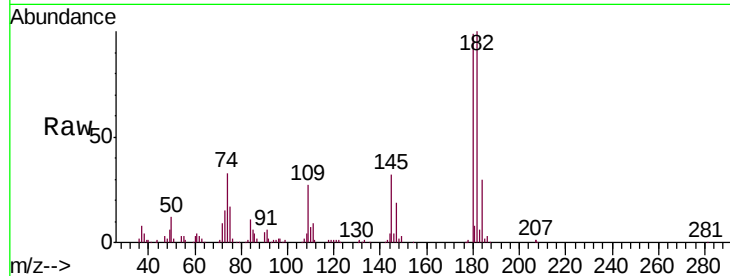




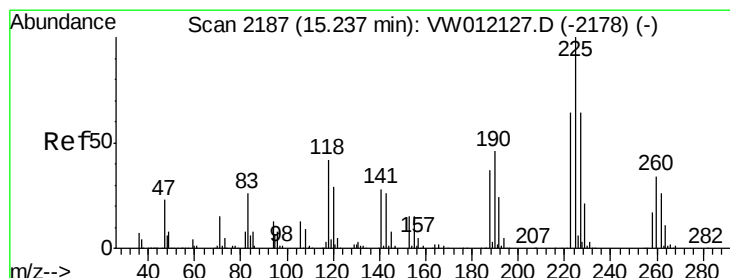
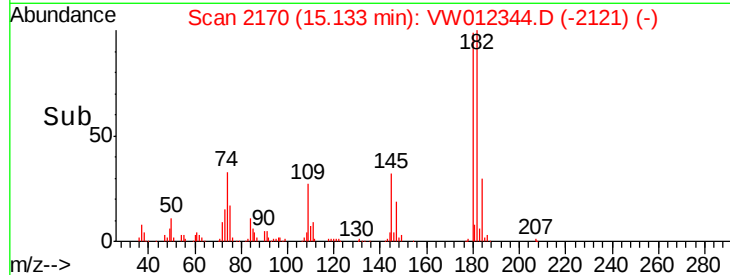
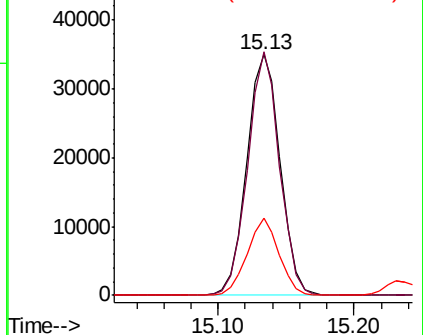
#93
 1,2,4-Trichlorobenzene
 Concen: 20.894 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.4
145	30.6	15.0	45.1

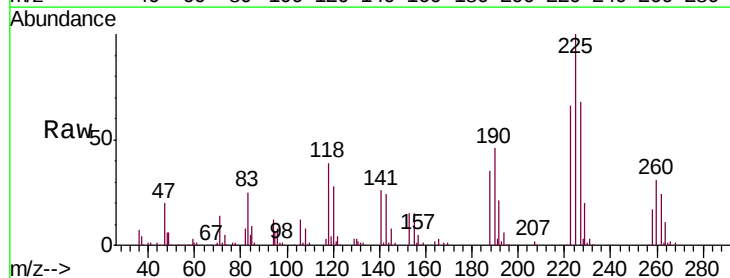


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

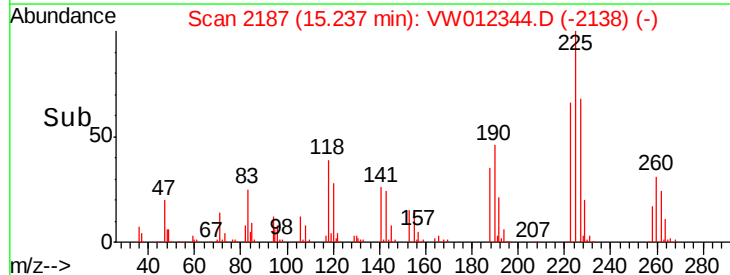
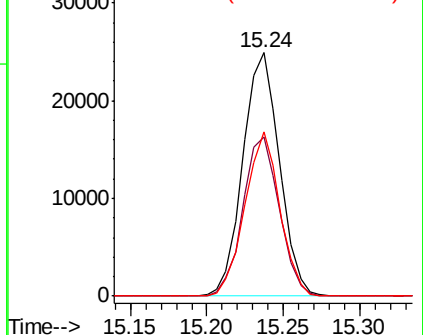


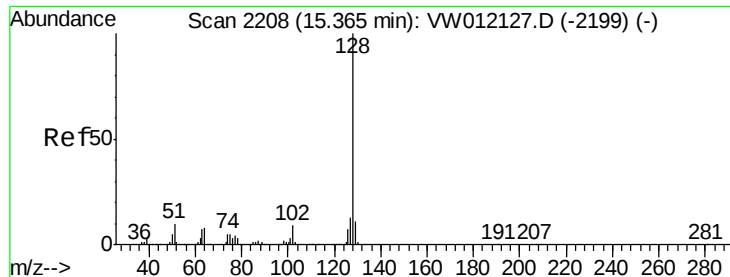
#94
 Hexachlorobutadiene
 Concen: 21.813 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.3	96.8
227	64.6	32.9	98.6



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

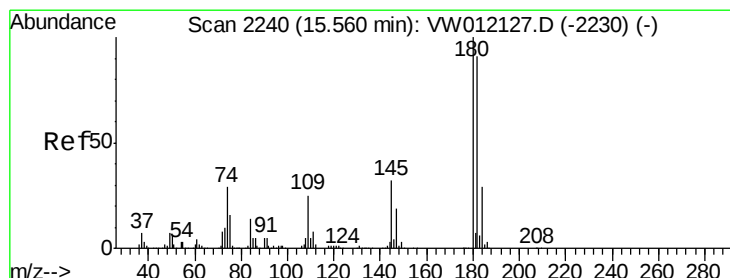
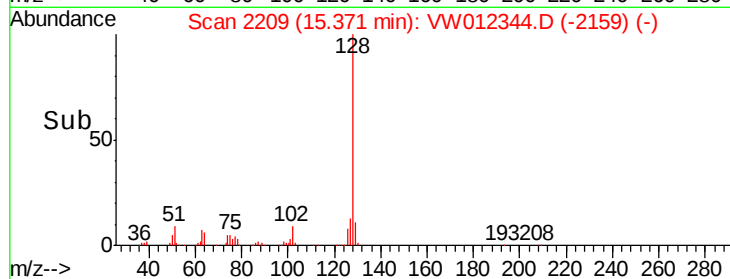
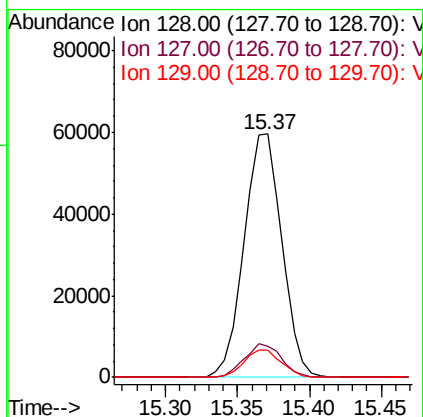
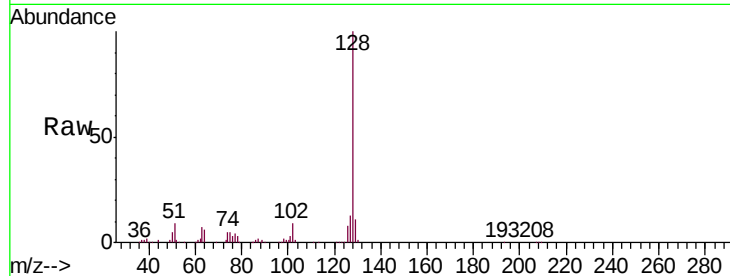




#95
Naphthalene
Concen: 21.866 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.269 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.1	16.2	48.5

