

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012246.D
 Acq On : 28 Aug 2019 11:48
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:24:46 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	250019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	147585	49.66	ug/l	0.00
Spiked Amount						
			Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	116460	49.26	ug/l	0.00
Spiked Amount						
			Recovery	=	98.52%	
50) Toluene-d8	10.32	98	486101	50.71	ug/l	0.00
Spiked Amount						
			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	171516	50.75	ug/l	0.00
Spiked Amount						
			Recovery	=	101.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25040	16.265	ug/l	99
3) Chloromethane	2.21	50	44462	18.642	ug/l	98
4) Vinyl Chloride	2.35	62	54011	18.502	ug/l	96
5) Bromomethane	2.77	94	27469	18.580	ug/l	93
6) Chloroethane	2.92	64	30000	18.217	ug/l	96
7) Trichlorofluoromethane	3.25	101	29181	19.907	ug/l	99
8) Diethyl Ether	3.68	74	27440	19.722	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48519	19.473	ug/l	99
10) Methyl Iodide	4.27	142	63510	18.839	ug/l	99
11) Tert butyl alcohol	5.16	59	23976	134.049	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47299	18.861	ug/l	97
13) Acrolein	3.89	56	16675	99.041	ug/l	96
14) Allyl chloride	4.67	41	105383	19.656	ug/l	98
15) Acrylonitrile	5.37	53	74881	108.580	ug/l	99
16) Acetone	4.12	43	78429	103.232	ug/l	96
17) Carbon Disulfide	4.38	76	124373	16.410	ug/l	98
18) Methyl Acetate	4.67	43	42111	22.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	87454	21.564	ug/l	97
20) Methylene Chloride	4.92	84	57771	20.115	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50868	18.915	ug/l	97
22) Diisopropyl ether	6.31	45	200731	20.199	ug/l	96
23) Vinyl Acetate	6.25	43	624963	102.188	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106501	19.683	ug/l	99
25) 2-Butanone	7.17	43	111223	107.733	ug/l	100
26) 2,2-Dichloropropane	7.17	77	65155	21.274	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57187	19.903	ug/l	99
28) Bromochloromethane	7.51	49	49216	20.869	ug/l	99
29) Tetrahydrofuran	7.52	42	69308	111.897	ug/l	99
30) Chloroform	7.68	83	97250	19.645	ug/l	100
31) Cyclohexane	7.95	56	98126	18.330	ug/l	# 96
32) 1,1,1-Trichloroethane	7.87	97	77123	19.693	ug/l	100
36) 1,1-Dichloropropene	8.08	75	80749	19.727	ug/l	100
37) Ethyl Acetate	7.25	43	48125	21.455	ug/l	100
38) Carbon Tetrachloride	8.07	117	68044	19.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88520	19.250	ug/l	99
40) Benzene	8.32	78	217670	19.475	ug/l	99
41) Methacrylonitrile	7.48	41	25775	19.551	ug/l	93
42) 1,2-Dichloroethane	8.40	62	69142	19.738	ug/l	98
43) Isopropyl Acetate	8.42	43	88401	21.277	ug/l	100
44) Trichloroethene	9.09	130	54151	19.930	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60430	20.089	ug/l	96
46) Dibromomethane	9.46	93	27325	20.417	ug/l	98
47) Bromodichloromethane	9.65	83	70560	19.809	ug/l	99
48) Methyl methacrylate	9.43	41	42310	21.396	ug/l	98
49) 1,4-Dioxane	9.44	88	9906	483.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	235690	111.528	ug/l	100
52) Toluene	10.38	92	133956	19.950	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74295	20.476	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86787	19.810	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38884	20.534	ug/l	99
56) Ethyl methacrylate	10.65	69	59422	21.561	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74776	20.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153255	108.350	ug/l	99
59) 2-Hexanone	10.97	43	166022	111.031	ug/l	100
60) Dibromochloromethane	11.13	129	41850	19.842	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37403	21.202	ug/l	99
64) Tetrachloroethene	10.86	164	44597	20.323	ug/l	97
65) Chlorobenzene	11.66	112	136265	20.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46650	20.064	ug/l	98
67) Ethyl Benzene	11.73	91	262665	20.459	ug/l	100
68) m/p-Xylenes	11.84	106	188280	40.714	ug/l	100
69) o-Xylene	12.16	106	88288	20.627	ug/l	100
70) Styrene	12.18	104	152258	20.552	ug/l	99
71) Bromoform	12.35	173	24057	20.768	ug/l #	100
73) Isopropylbenzene	12.46	105	256071	20.494	ug/l	99
74) N-amyl acetate	12.27	43	84122	22.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48242	21.060	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	62741	38.633	ug/l #	100
77) Bromobenzene	12.74	156	54655	20.219	ug/l	99
78) n-propylbenzene	12.80	91	310511	20.356	ug/l	99
79) 2-Chlorotoluene	12.89	91	174101	20.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213998	20.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15250	20.588	ug/l	98
82) 4-Chlorotoluene	12.99	91	181727	20.041	ug/l	100
83) tert-Butylbenzene	13.21	119	185522	20.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	211218	20.139	ug/l	99
85) sec-Butylbenzene	13.38	105	264009	20.836	ug/l	100
86) p-Isopropyltoluene	13.50	119	235561	20.817	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107647	20.360	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107638	20.503	ug/l	98
89) n-Butylbenzene	13.82	91	237330	21.091	ug/l	99
90) Hexachloroethane	14.09	117	39416	19.854	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	97512	21.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8435	21.843	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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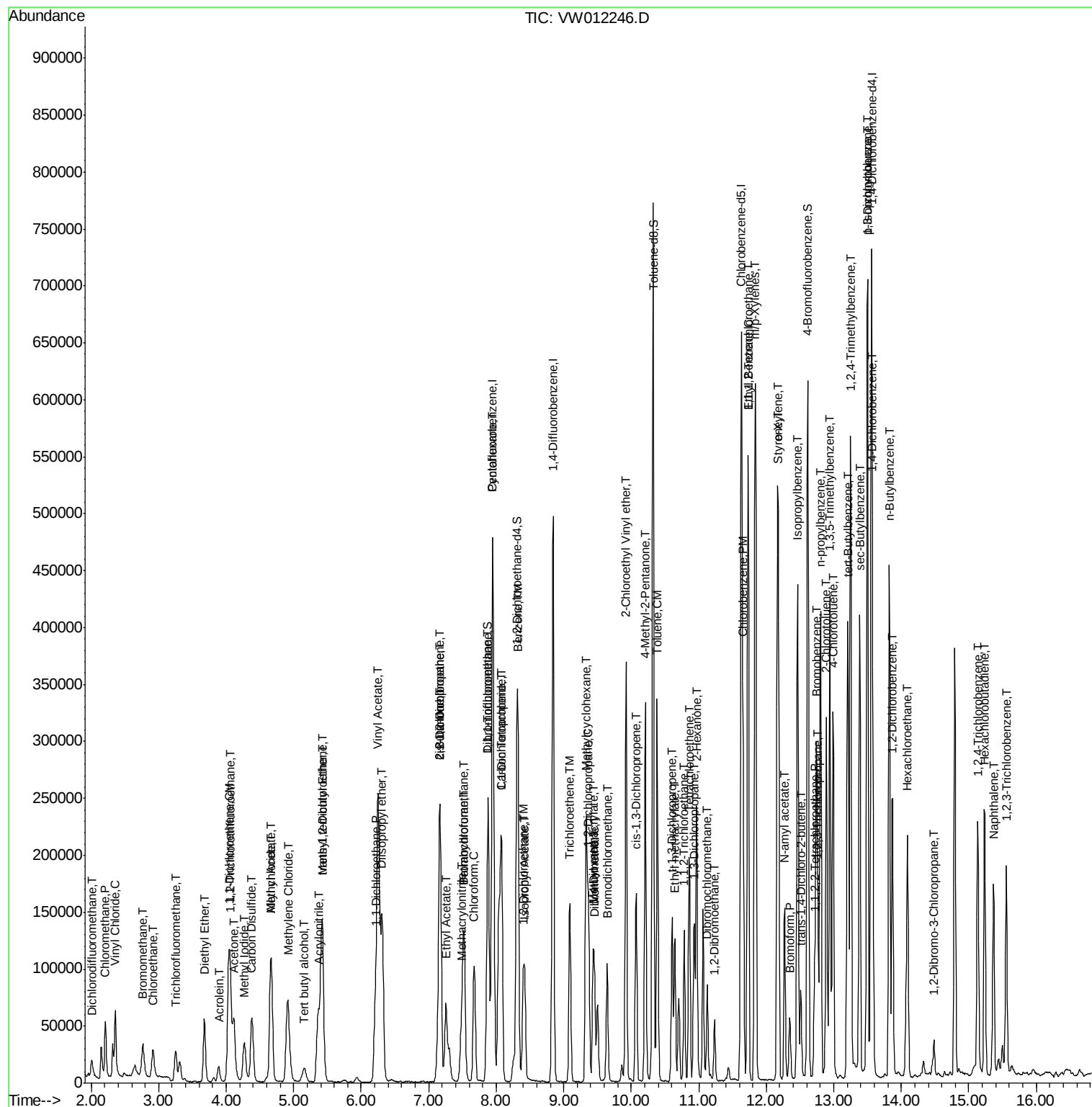
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71410	22.278	ug/l	99
94) Hexachlorobutadiene	15.24	225	45556	21.524	ug/l	98
95) Naphthalene	15.36	128	135648	24.024	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	62679	22.413	ug/l	99

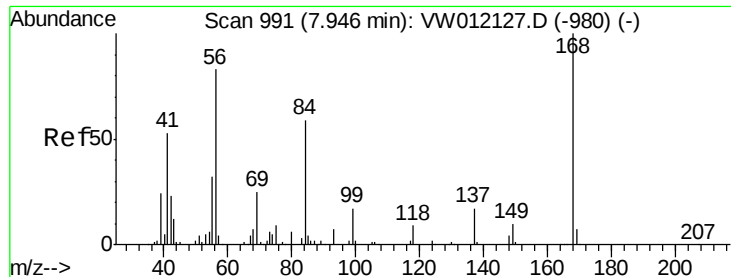
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012246.D
 Acq On : 28 Aug 2019 11:48
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 Sample : VW0828SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :

Quant Time: Aug 28 17:24:46 2019
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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: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

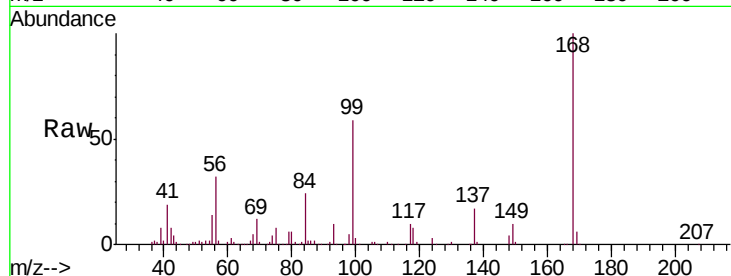
ClientSampled :

Tot Ion:168 Resp: 250019

Ion Ratio Lower Upper

168 100

99 59.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

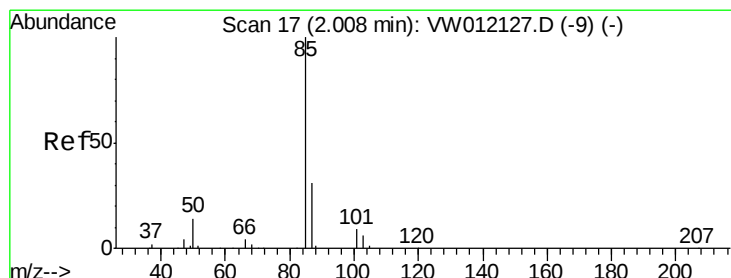
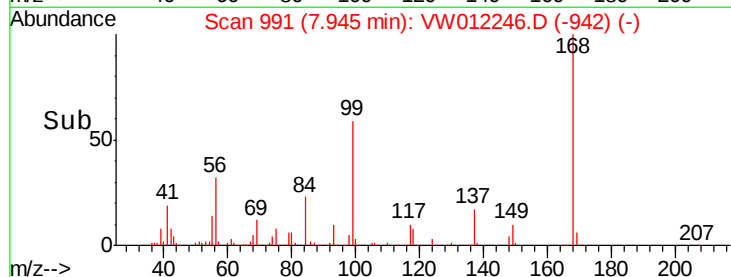
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.265 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012246.D

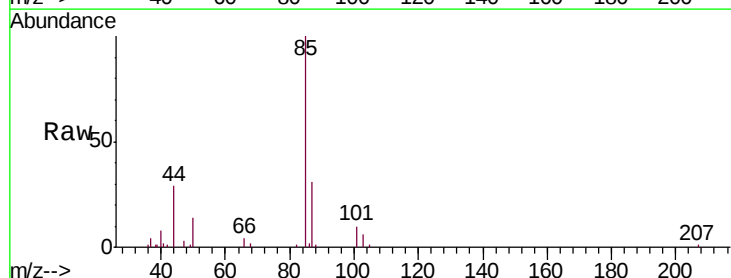
Acq: 28 Aug 2019 11:48

Tgt Ion: 85 Resp: 25040

Ion Ratio Lower Upper

85 100

87 30.5 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

10000

8000

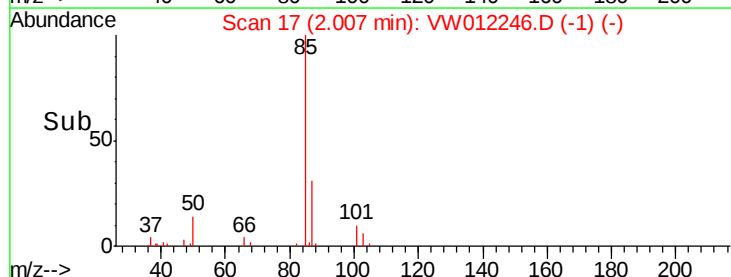
6000

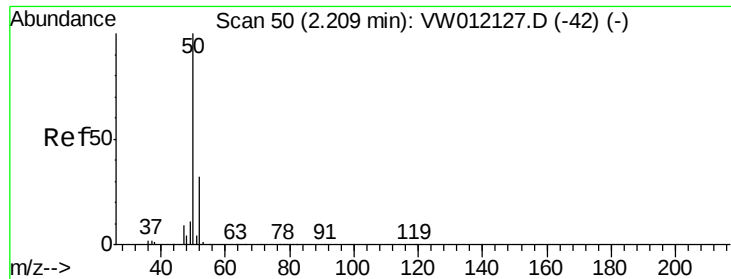
4000

2000

0

Time--> 1.90 2.00 2.10 2.20

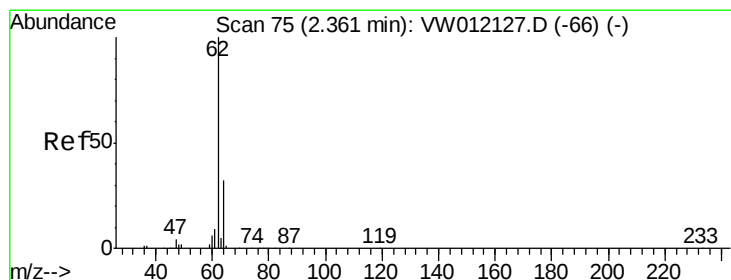
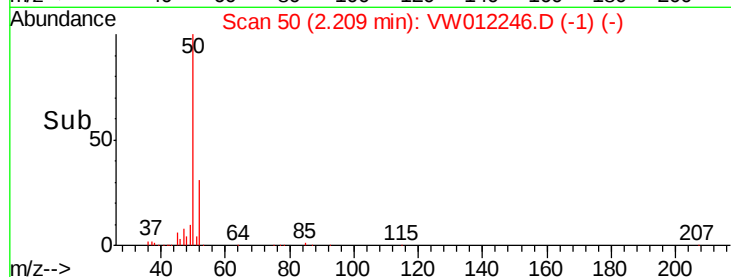
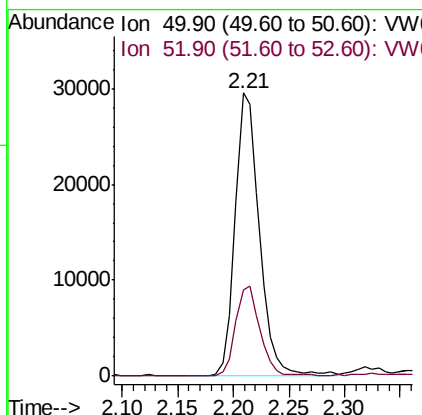
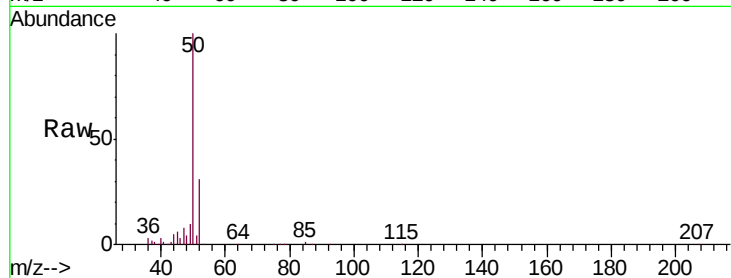




#3
Chloromethane
Concen: 18.642 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

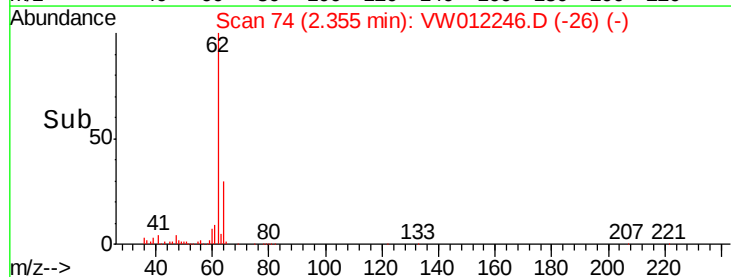
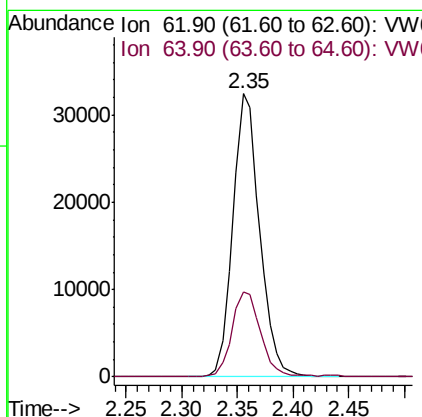
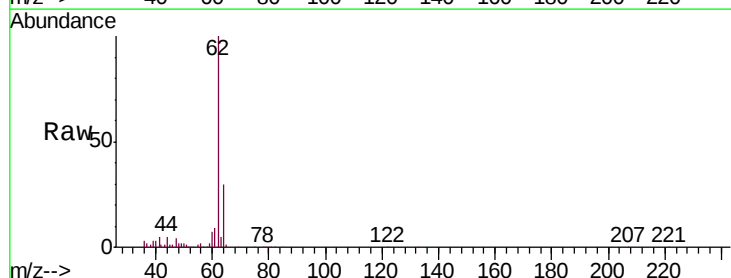
Instrument :
MSVOA_W
ClientSampled :

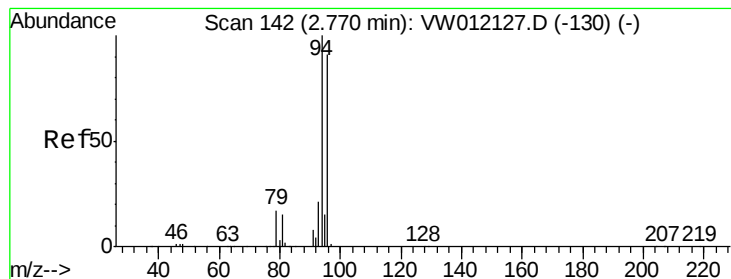
Tot Ion: 50 Resp: 44462
Ion Ratio Lower Upper
50 100
52 30.6 25.5 38.3



#4
Vinyl Chloride
Concen: 18.502 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 62 Resp: 54011
Ion Ratio Lower Upper
62 100
64 29.4 25.3 37.9





#5

Bromomethane

Concen: 18.580 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

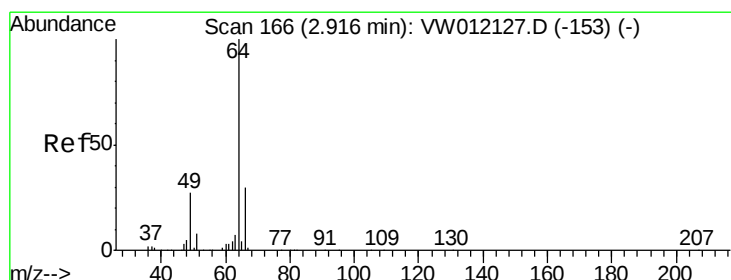
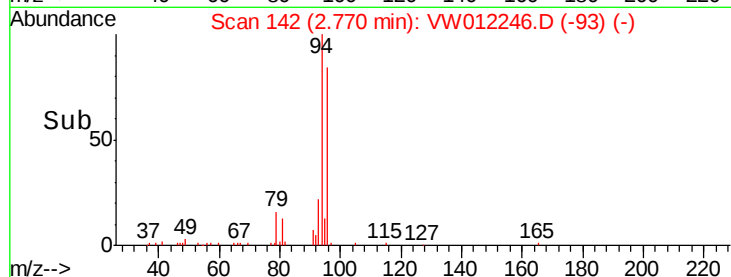
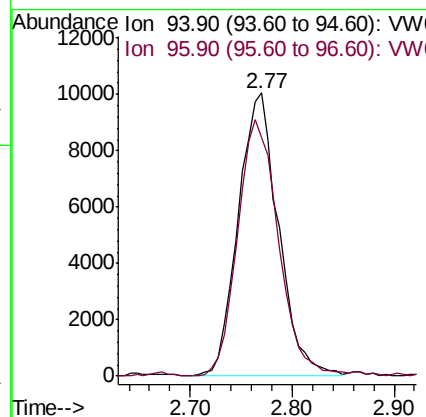
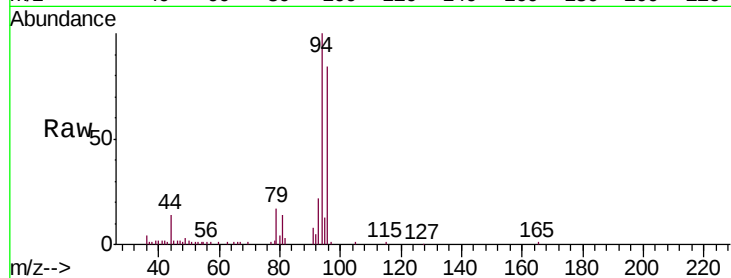
ClientSampled :

Tot Ion: 94 Resp: 27469

Ion Ratio Lower Upper

94 100

96 84.2 72.9 109.3



#6

Chloroethane

Concen: 18.217 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012246.D

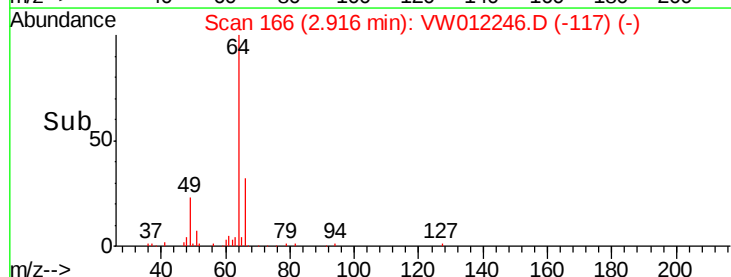
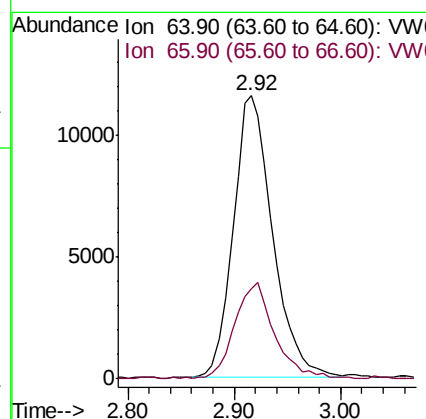
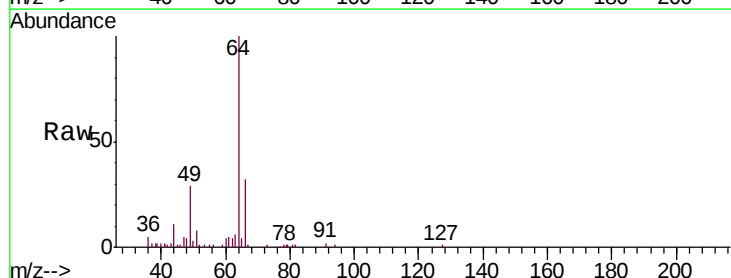
Acq: 28 Aug 2019 11:48

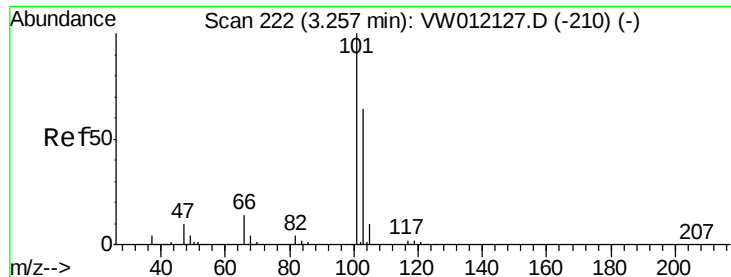
Tgt Ion: 64 Resp: 30000

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.8



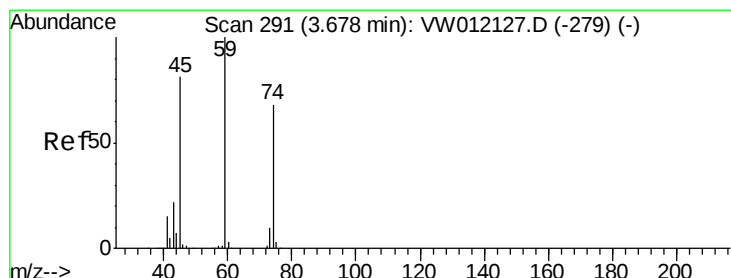
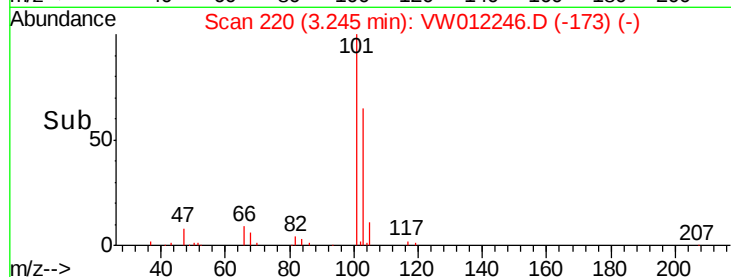
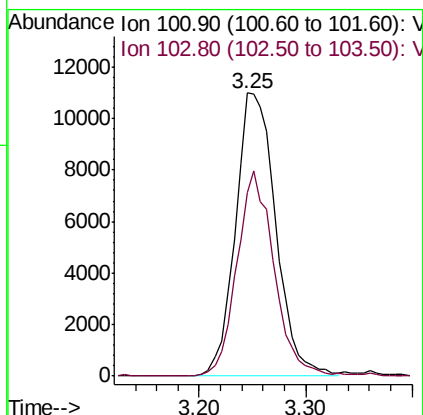
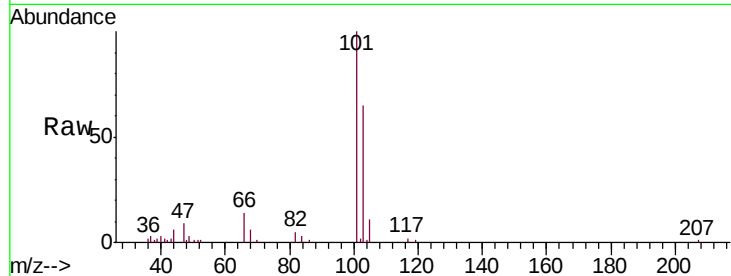


#7

Trichlorofluoromethane
 Concen: 19.907 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

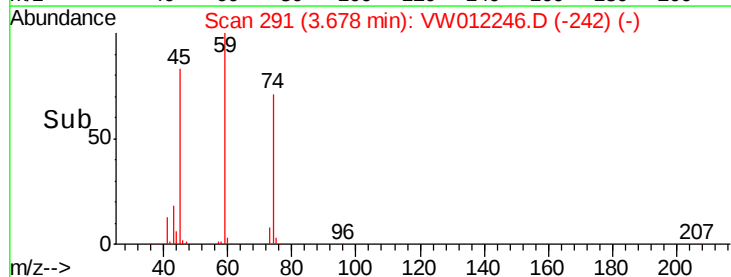
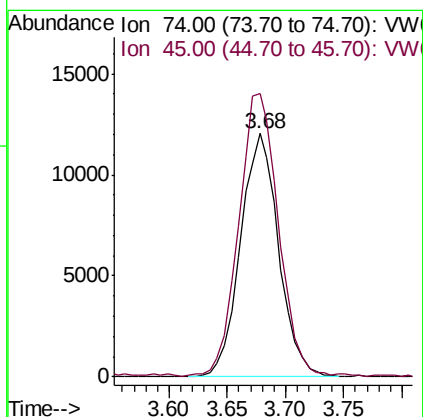
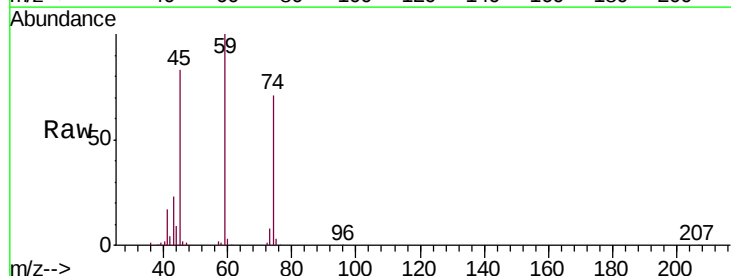
Tot Ion:101 Resp: 29181
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8

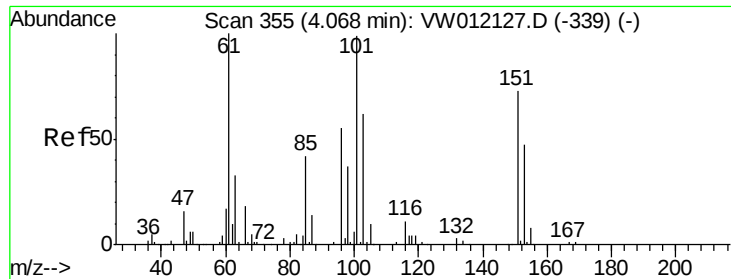


#8

Diethyl Ether
 Concen: 19.722 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion: 74 Resp: 27440
 Ion Ratio Lower Upper
 74 100
 45 120.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.473 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

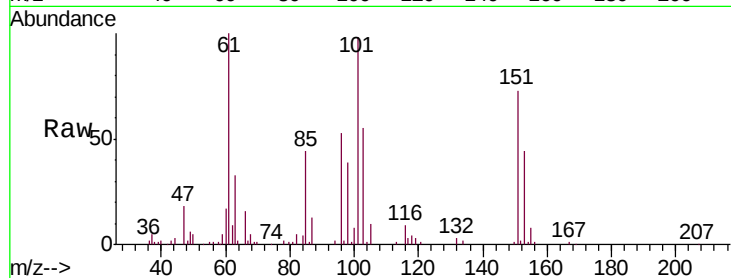
Tot Ion:101 Resp: 48519

Ion Ratio Lower Upper

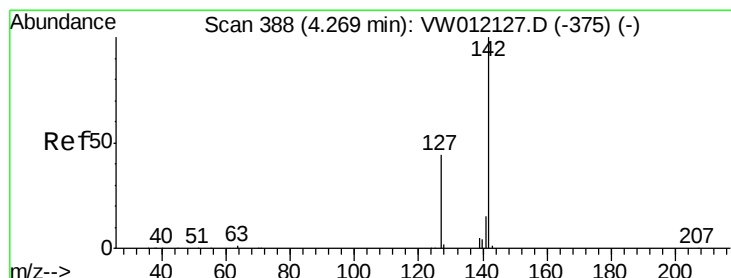
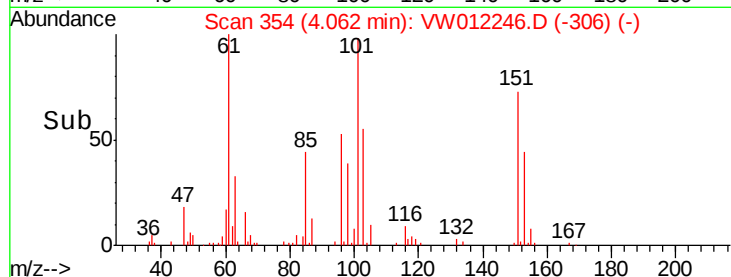
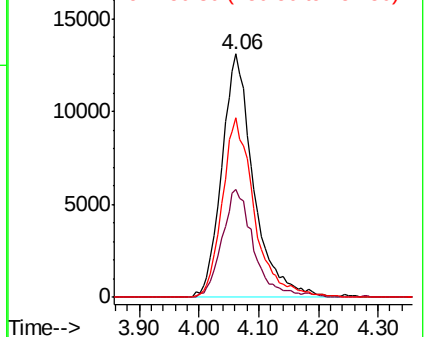
101 100

85 43.6 35.8 53.6

151 74.2 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: 18.839 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

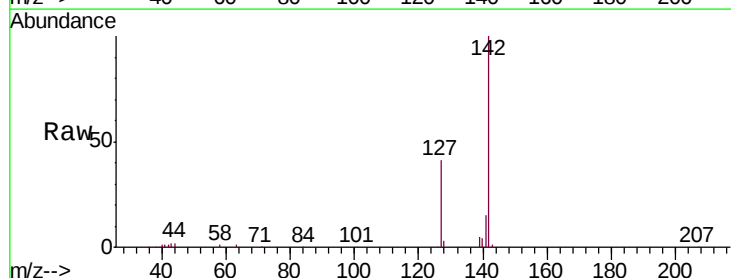
Tgt Ion:142 Resp: 63510

Ion Ratio Lower Upper

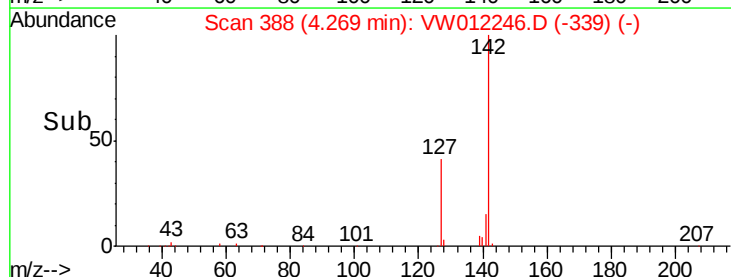
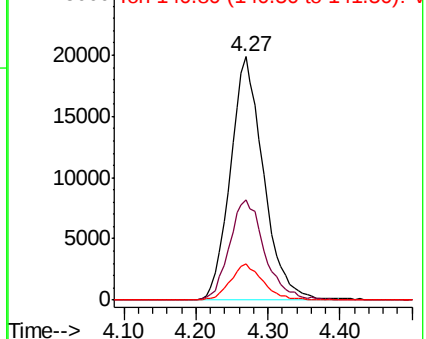
142 100

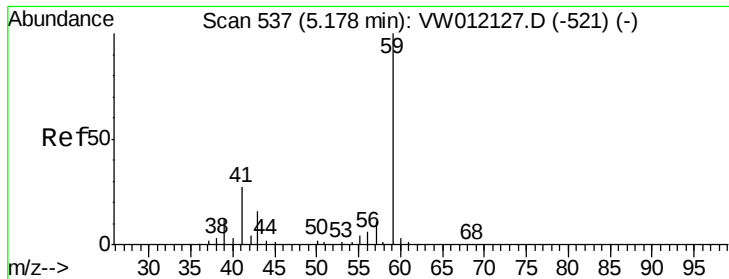
127 43.6 35.5 53.3

141 14.7 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

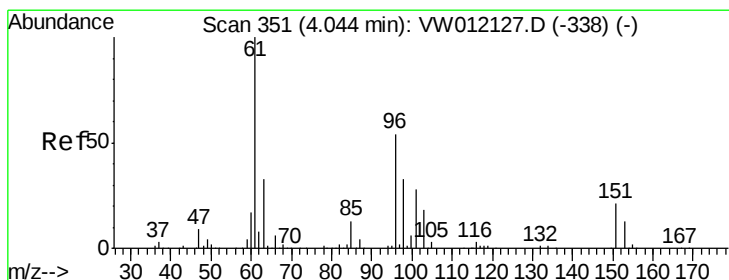
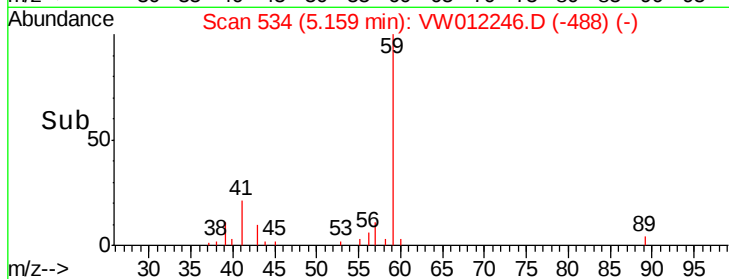
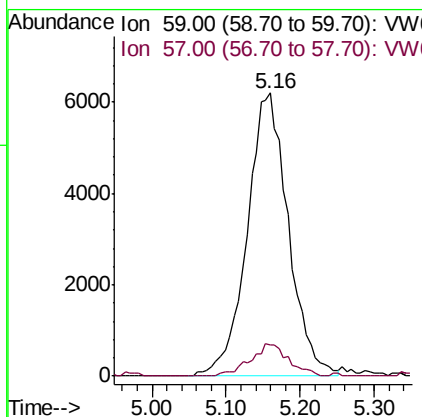
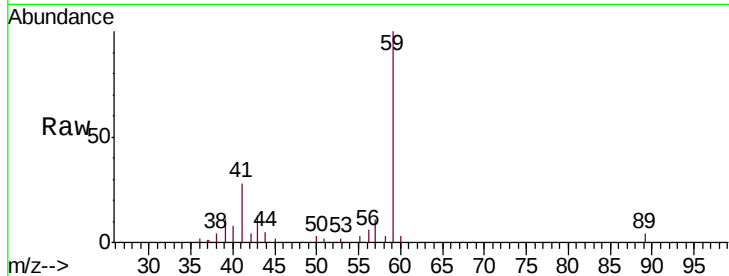




#11
Tert butyl alcohol
Concen: 134.049 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

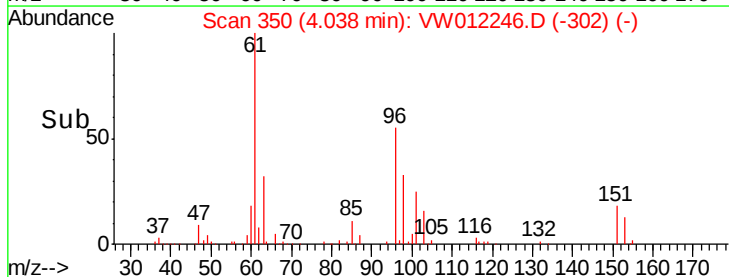
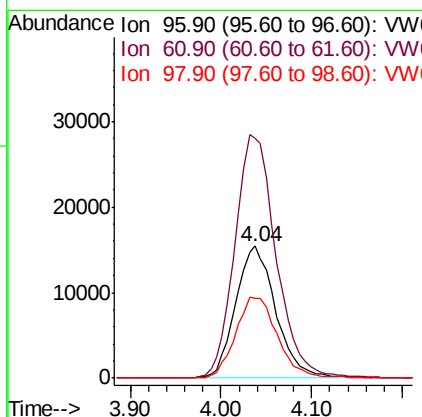
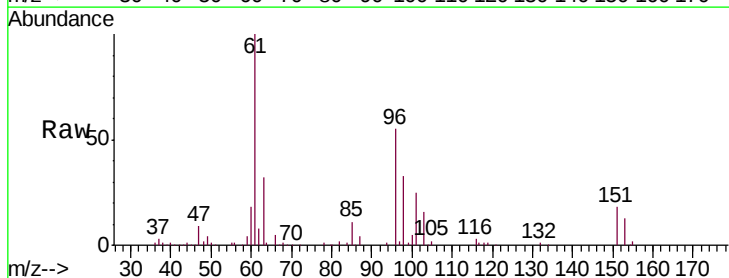
Instrument :
MSVOA_W
ClientSampleId :

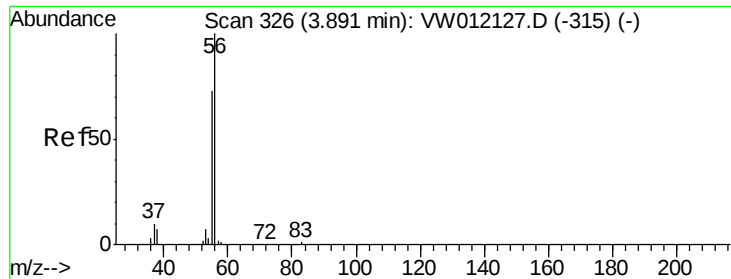
Tot Ion: 59 Resp: 23976
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#12
1,1-Dichloroethene
Concen: 18.861 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 96 Resp: 47299
Ion Ratio Lower Upper
96 100
61 181.2 149.1 223.7
98 60.1 49.4 74.2





#13

Acrolein

Concen: 99.041 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

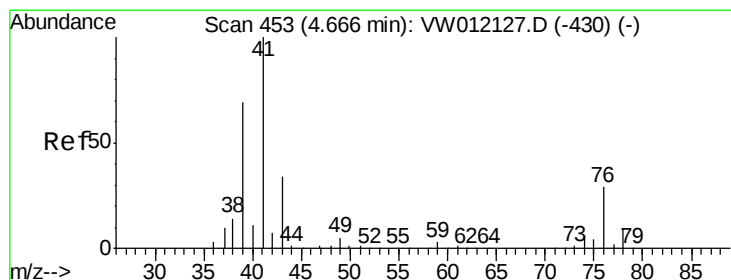
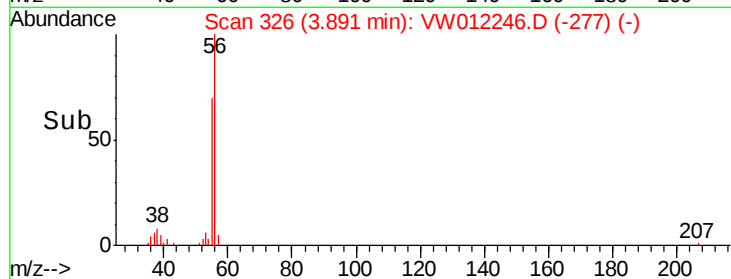
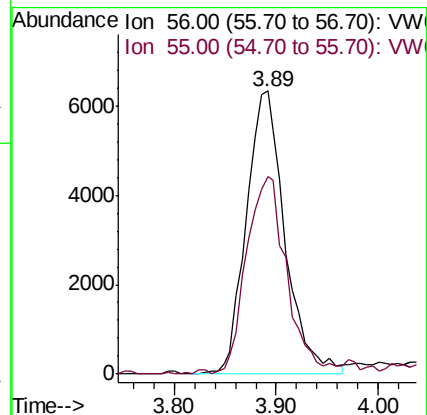
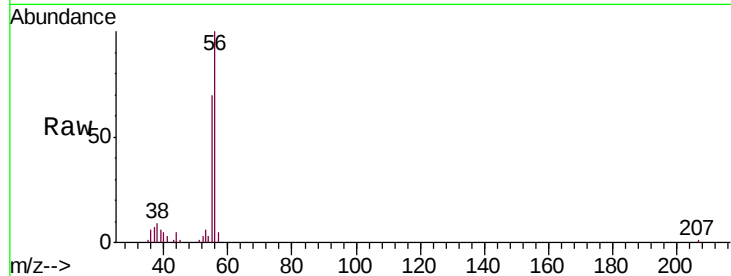
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 16675

Ion Ratio Lower Upper

56 100

55 72.8 55.8 83.8



#14

Allyl chloride

Concen: 19.656 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

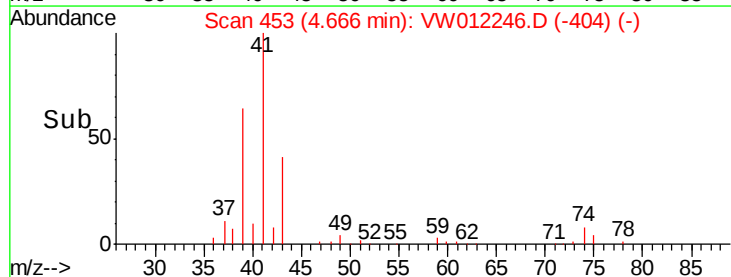
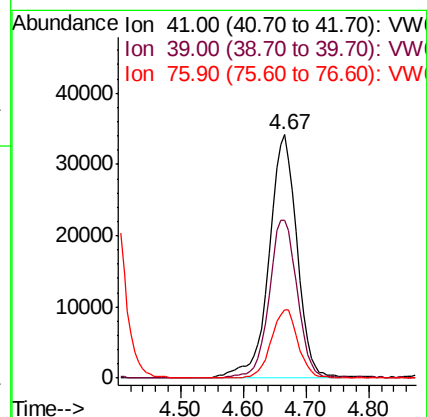
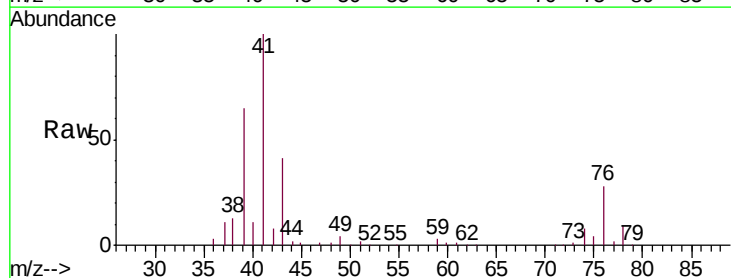
Tgt Ion: 41 Resp: 105383

Ion Ratio Lower Upper

41 100

39 65.4 53.4 80.2

76 26.8 22.1 33.1





#15

Acrylonitrile

Concen: 108.580 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

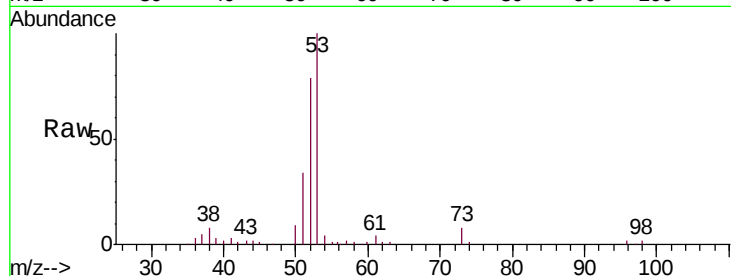
Tot Ion: 53 Resp: 74881

Ion Ratio Lower Upper

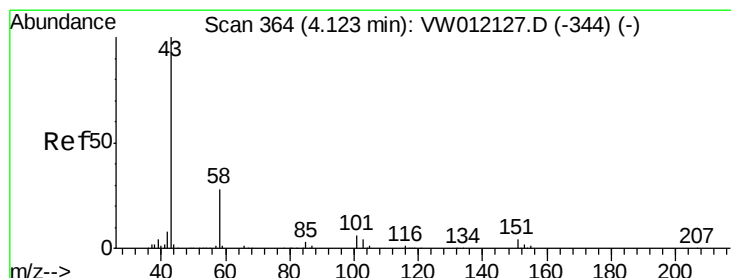
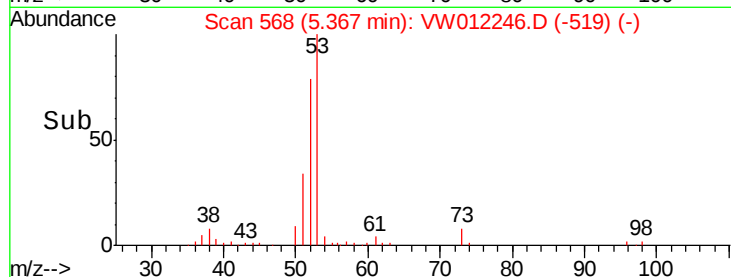
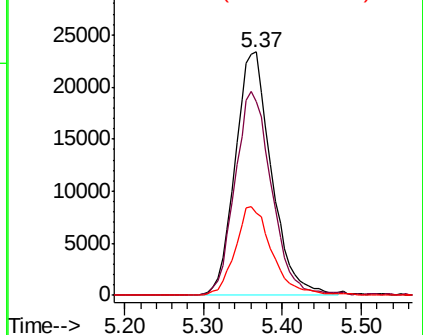
53 100

52 84.5 66.7 100.1

51 37.2 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: 103.232 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012246.D

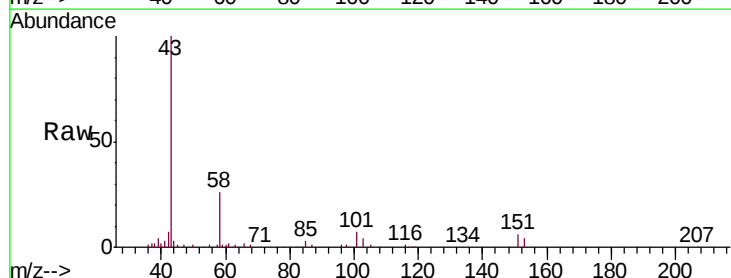
Acq: 28 Aug 2019 11:48

Tgt Ion: 43 Resp: 78429

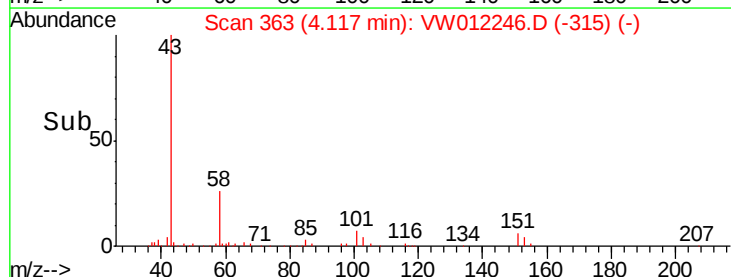
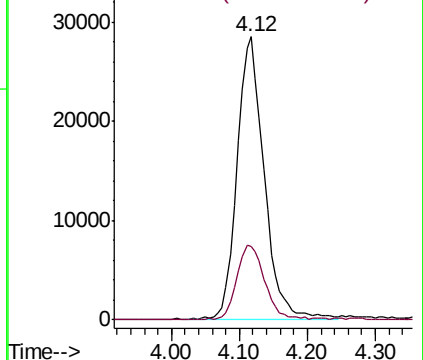
Ion Ratio Lower Upper

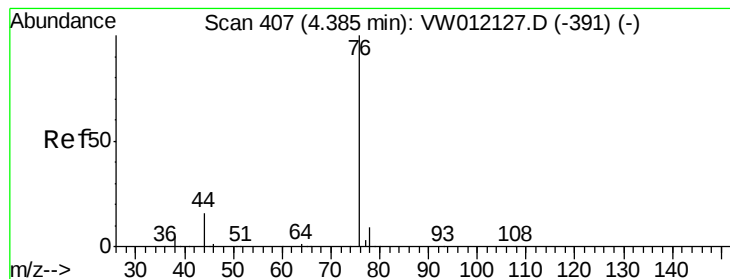
43 100

58 25.9 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: 16.410 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

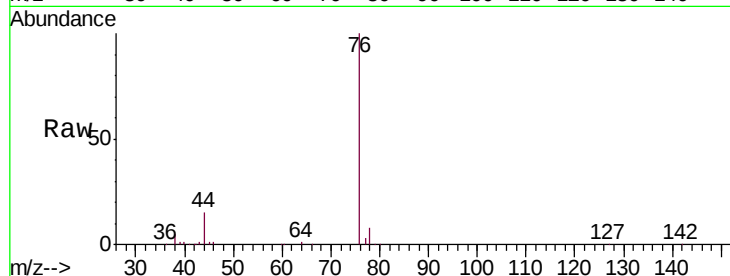
ClientSampleId :

Tot Ion: 76 Resp: 124373

Ion Ratio Lower Upper

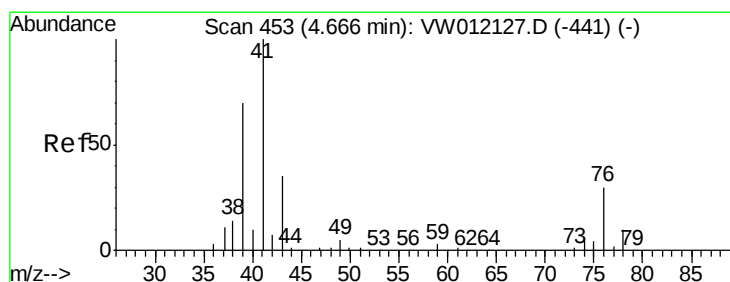
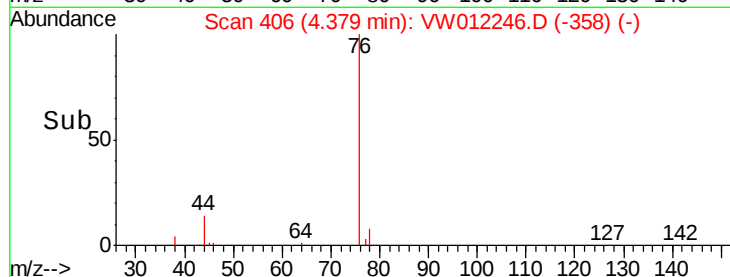
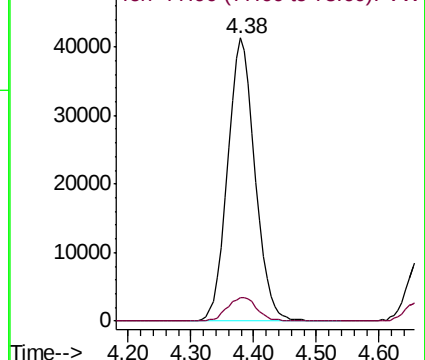
76 100

78 8.3 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: 22.379 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012246.D

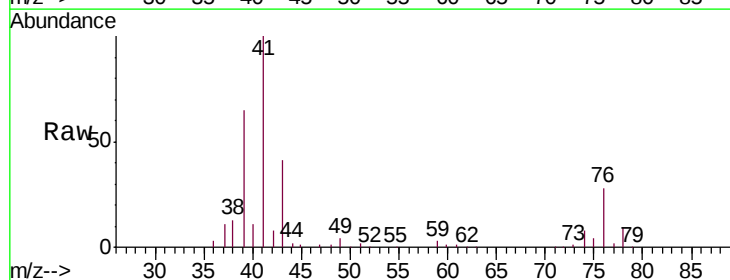
Acq: 28 Aug 2019 11:48

Tgt Ion: 43 Resp: 42111

Ion Ratio Lower Upper

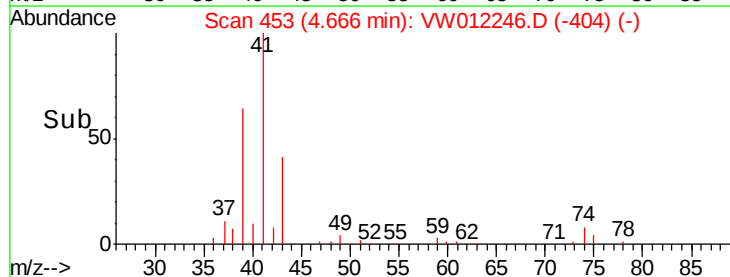
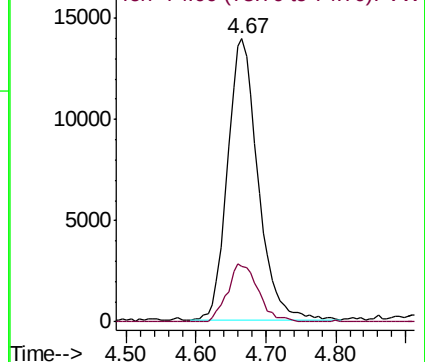
43 100

74 20.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

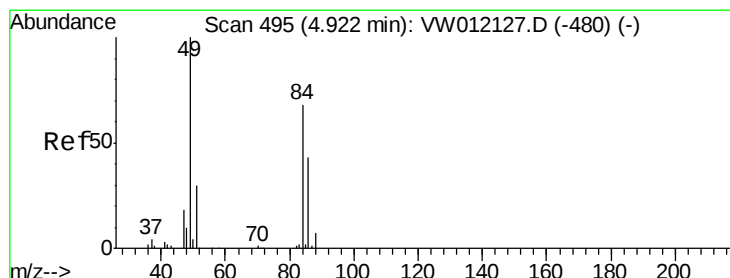
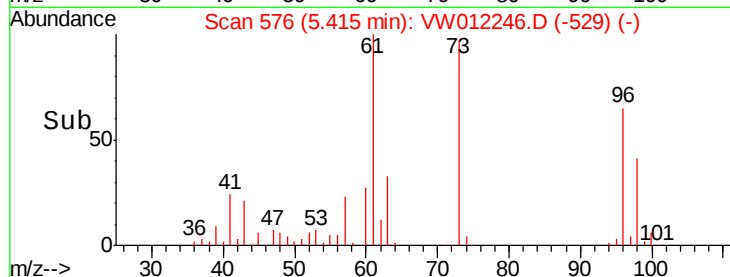
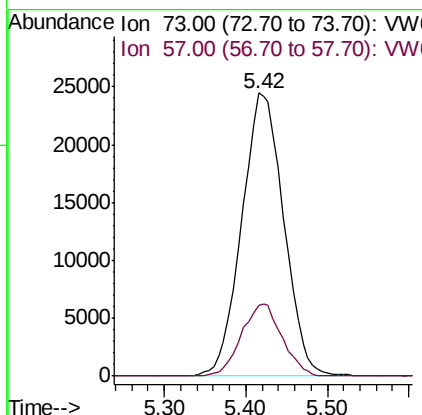
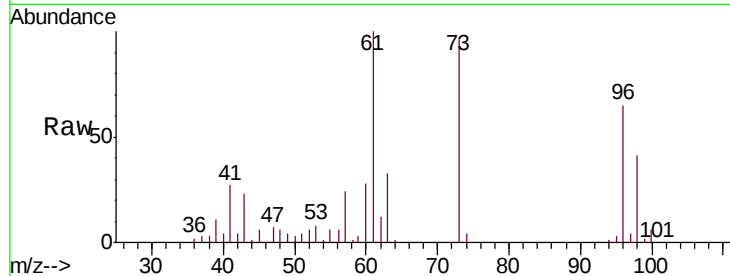




#19
Methyl tert-butyl Ether
Concen: 21.564 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

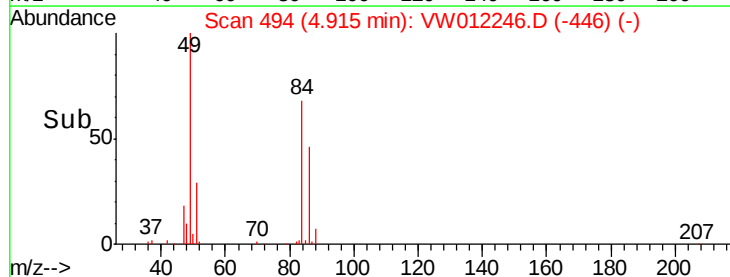
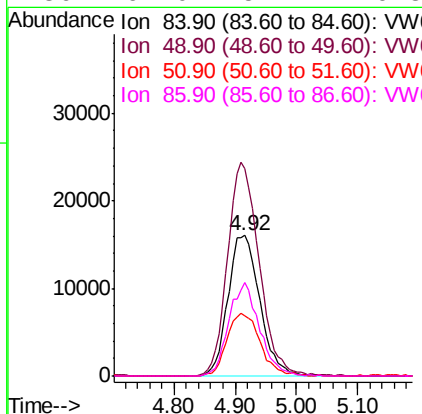
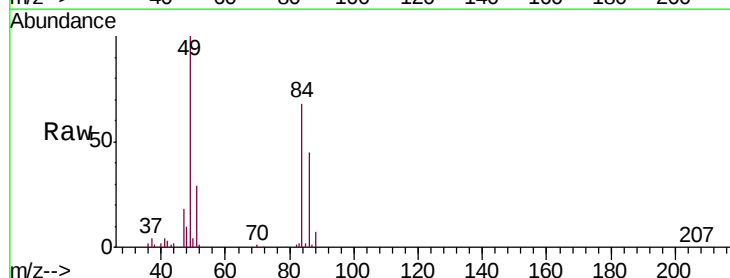
Instrument :
MSVOA_W
ClientSampled :

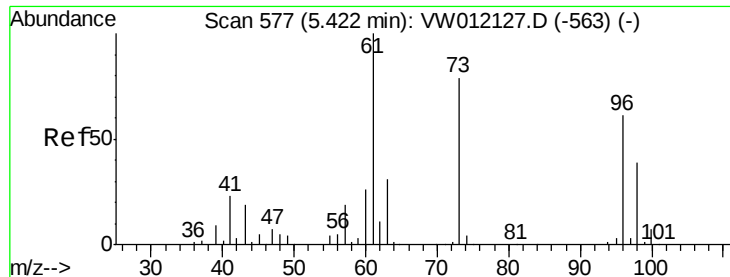
Tot Ion: 73 Resp: 87454
Ion Ratio Lower Upper
73 100
57 24.8 18.9 28.3



#20
Methylene Chloride
Concen: 20.115 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 84 Resp: 57771
Ion Ratio Lower Upper
84 100
49 148.1 117.8 176.8
51 42.7 35.6 53.4
86 67.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.915 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

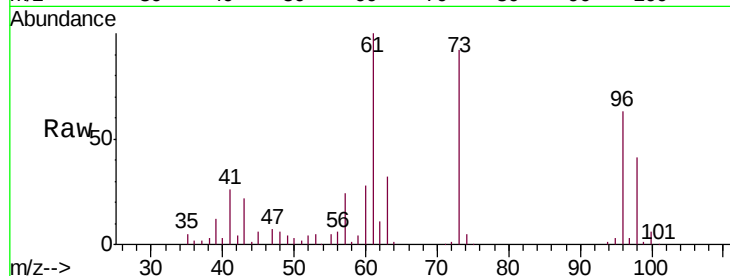
Tot Ion: 96 Resp: 50868

Ion Ratio Lower Upper

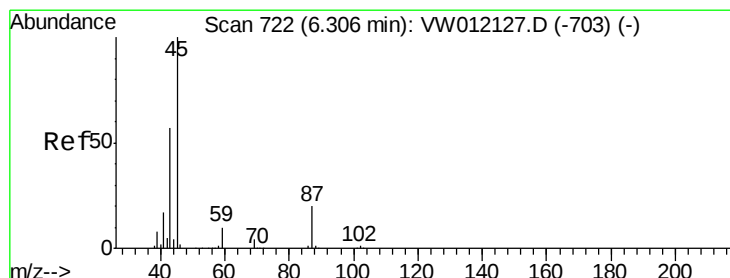
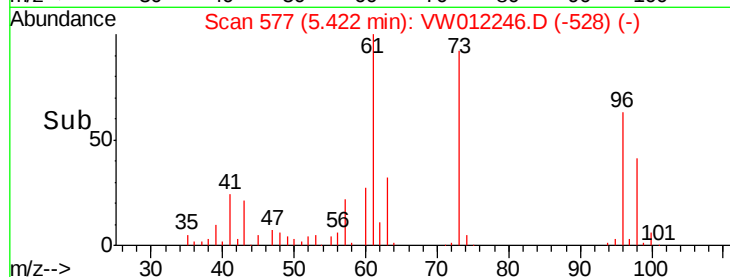
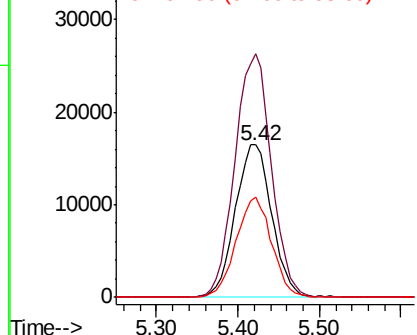
96 100

61 159.7 131.4 197.0

98 66.1 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.199 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion: 45 Resp: 200731

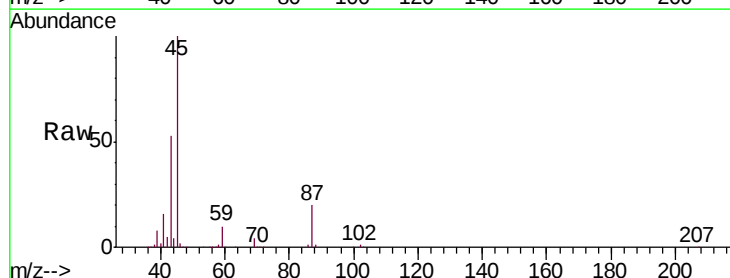
Ion Ratio Lower Upper

45 100

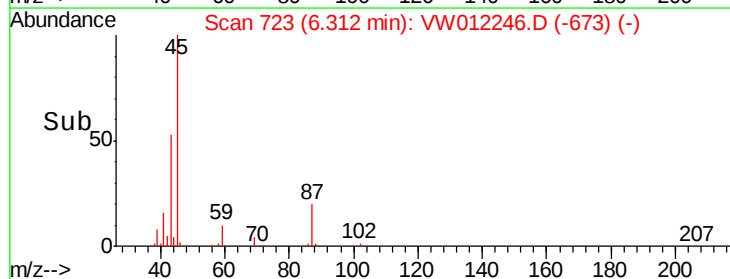
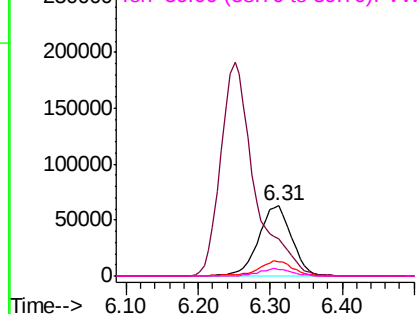
43 52.6 45.5 68.3

87 20.2 16.1 24.1

59 9.6 8.2 12.2



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





#23

Vinyl Acetate

Concen: 102.188 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

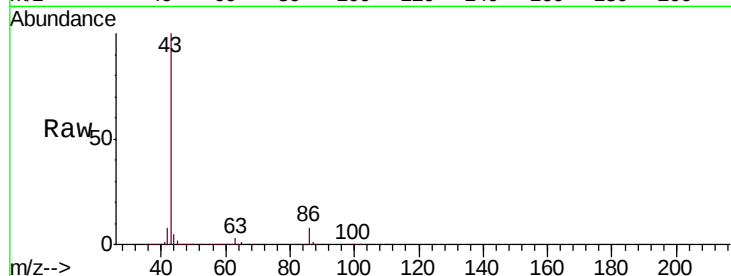
ClientSampled :

Tot Ion: 43 Resp: 624963

Ion Ratio Lower Upper

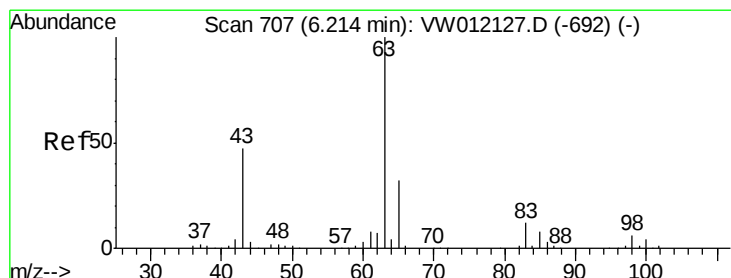
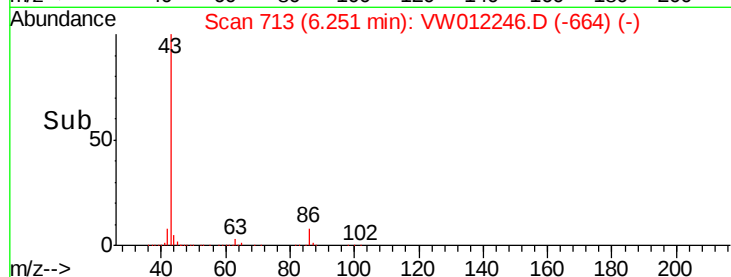
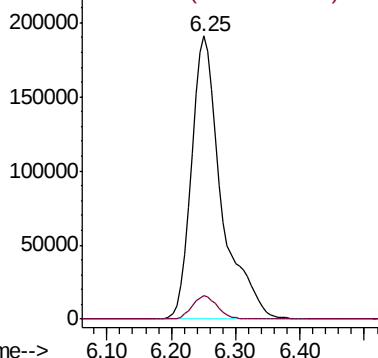
43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.683 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

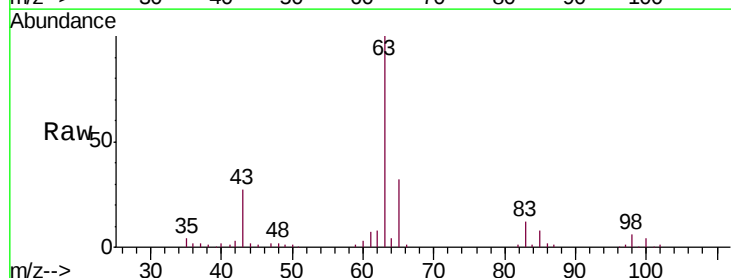
Tgt Ion: 63 Resp: 106501

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

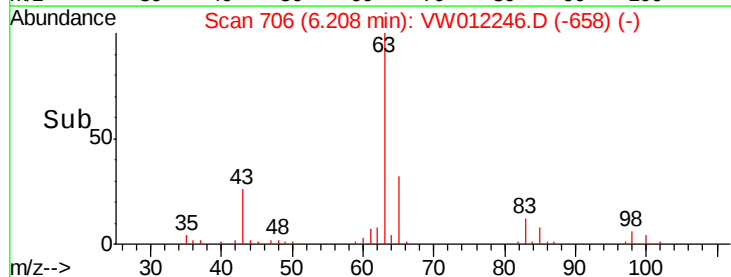
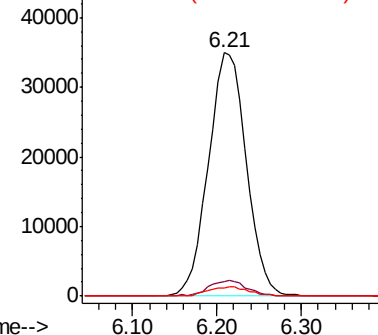
100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 107.733 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

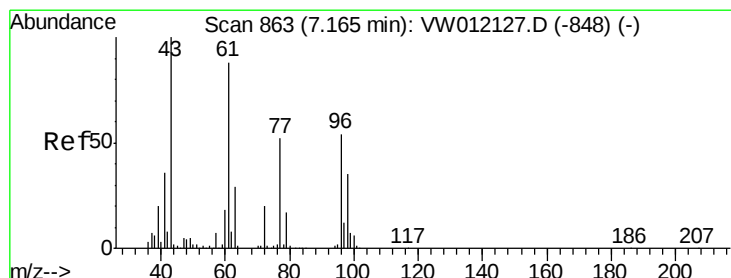
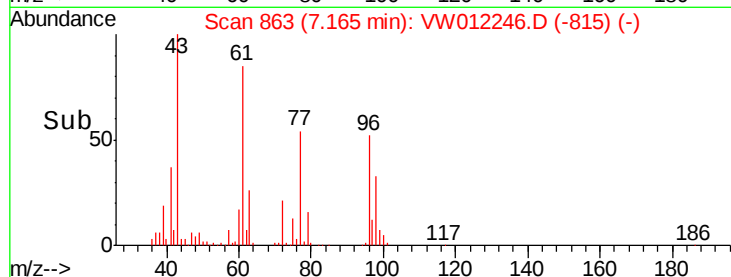
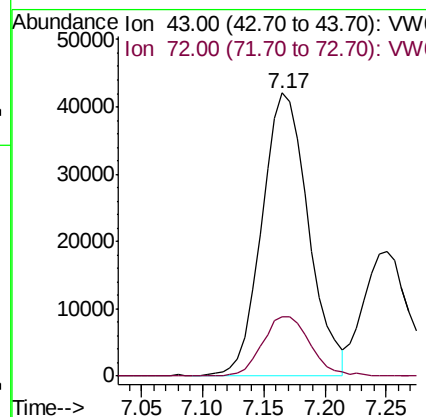
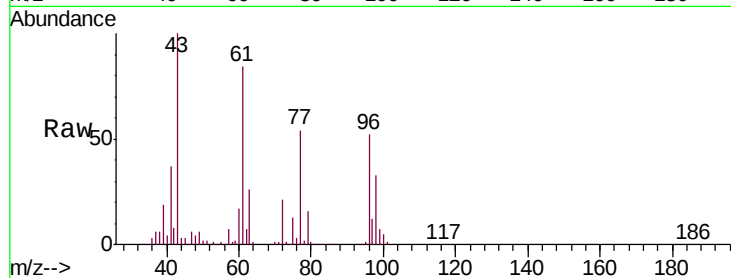
ClientSampled :

Tot Ion: 43 Resp: 111223

Ion Ratio Lower Upper

43 100

72 20.8 16.6 24.8



#26

2,2-Dichloropropane

Concen: 21.274 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012246.D

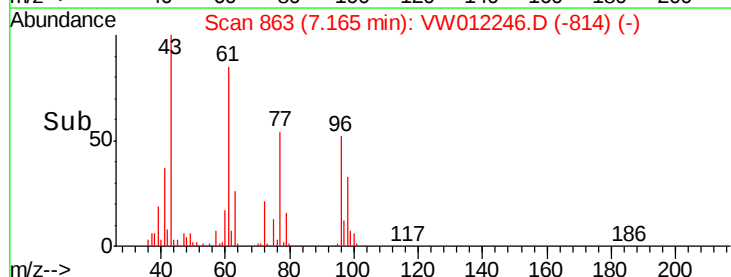
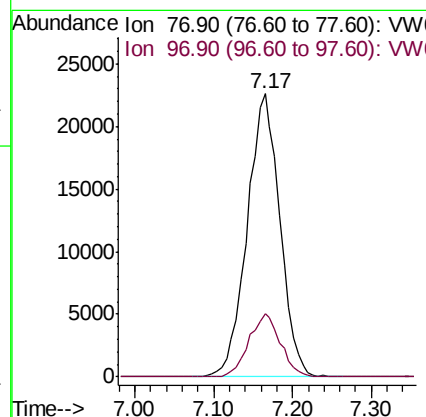
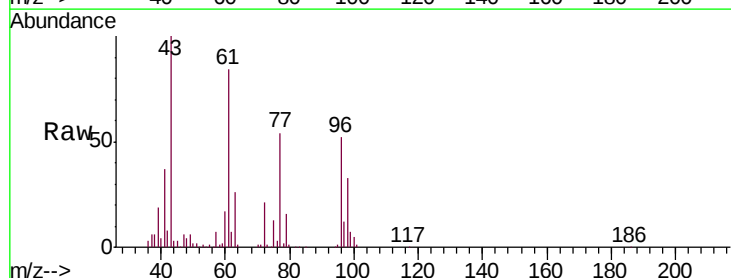
Acq: 28 Aug 2019 11:48

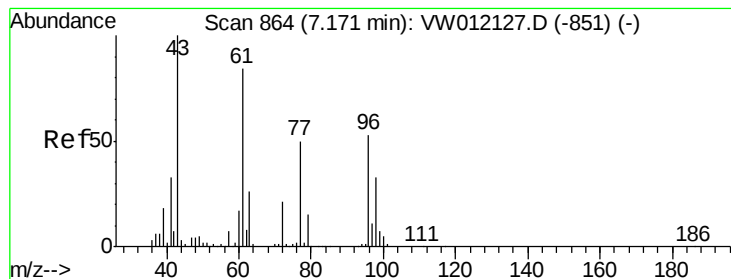
Tgt Ion: 77 Resp: 65155

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1



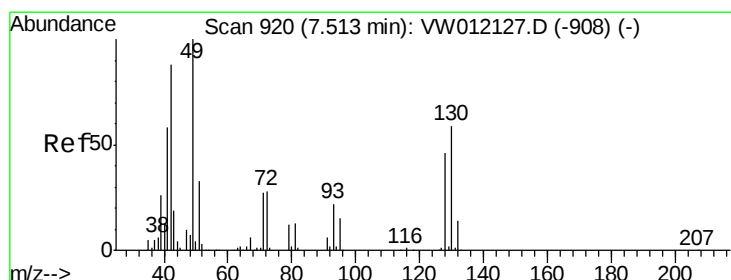
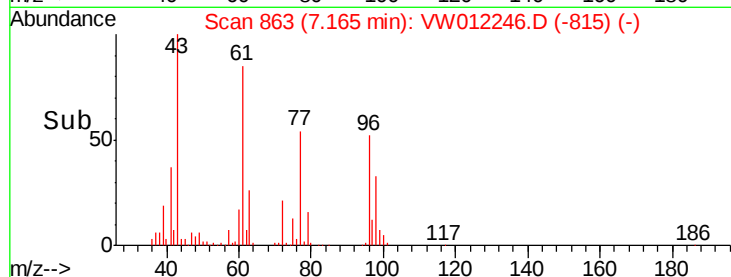
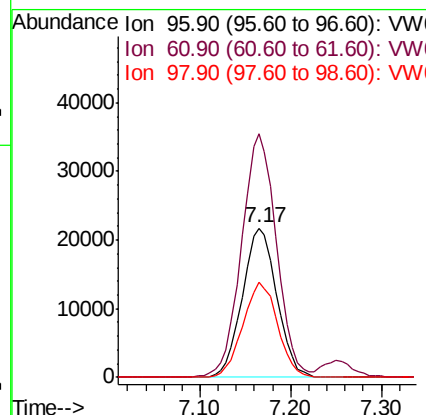
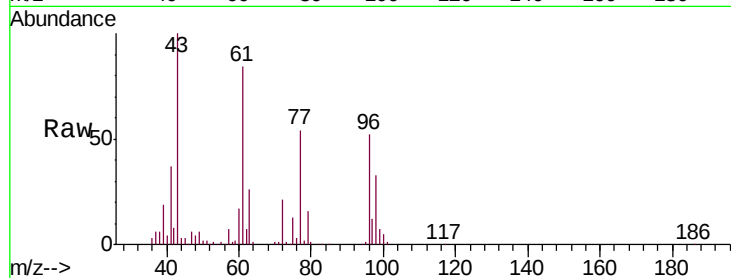


#27

cis-1,2-Dichloroethene
Concen: 19.903 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampled :

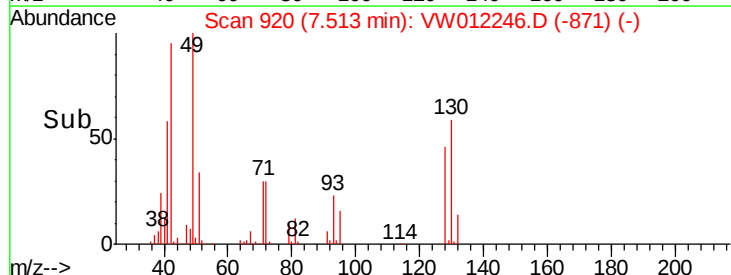
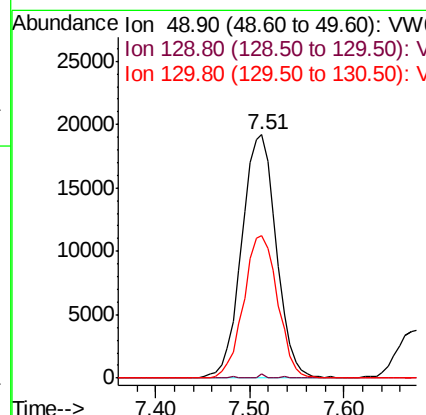
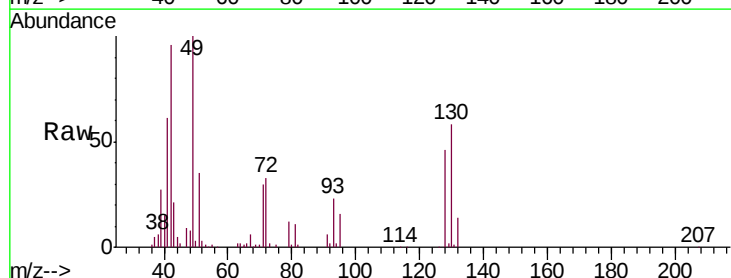
Tot Ion	96	Resp	57187
Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	326.6
98	64.2	0.0	127.4

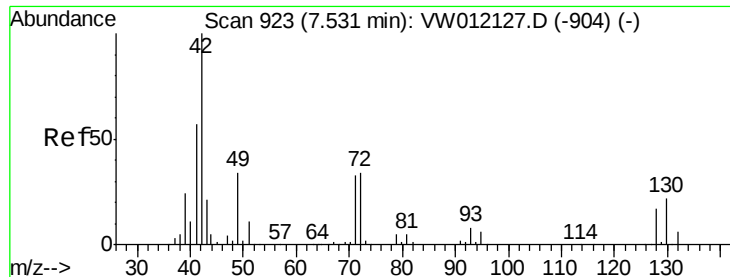


#28

Bromochloromethane
Concen: 20.869 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	49	Resp	49216
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	57.8	45.5	68.3

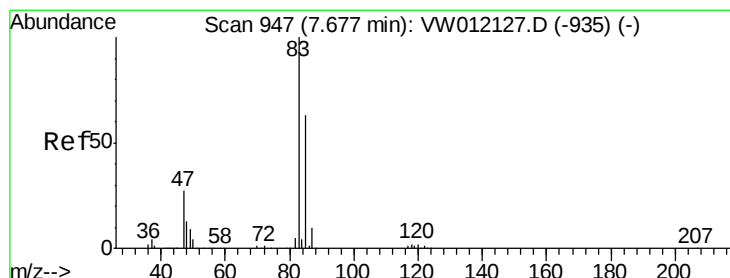
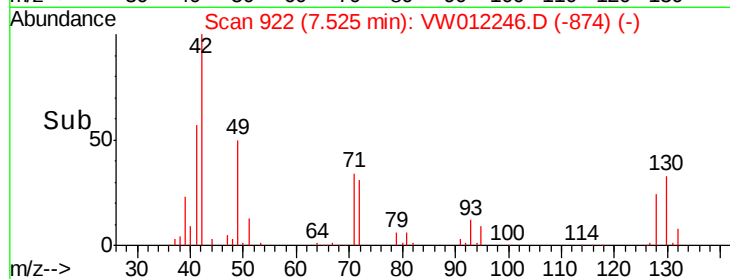
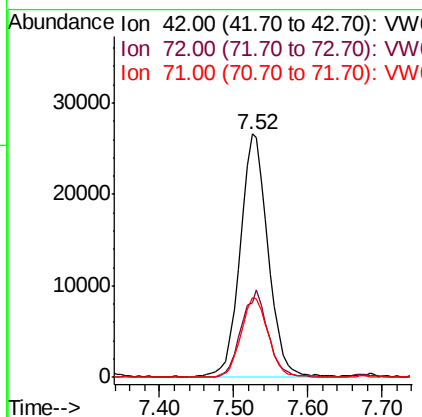
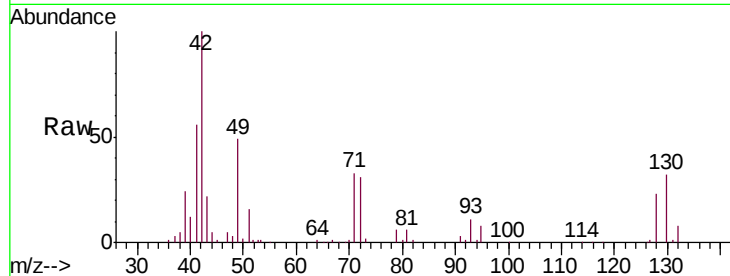




#29
Tetrahydrofuran
Concen: 111.897 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

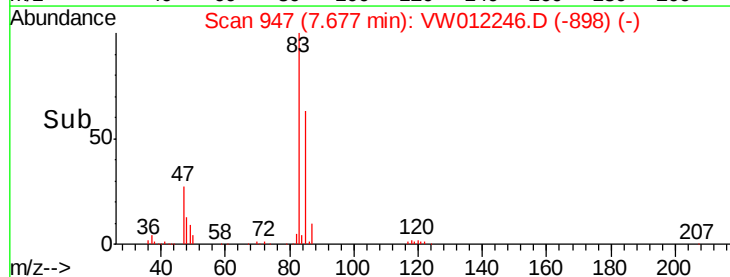
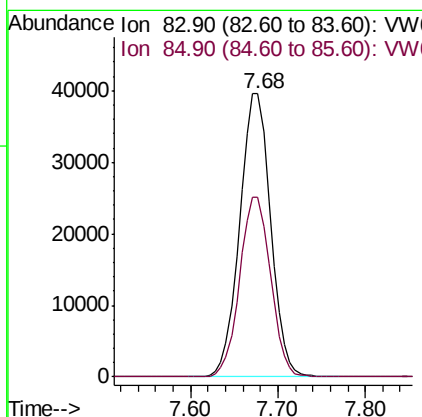
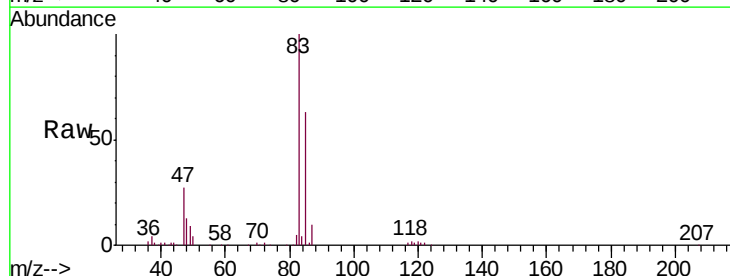
Instrument :
MSVOA_W
ClientSampled :

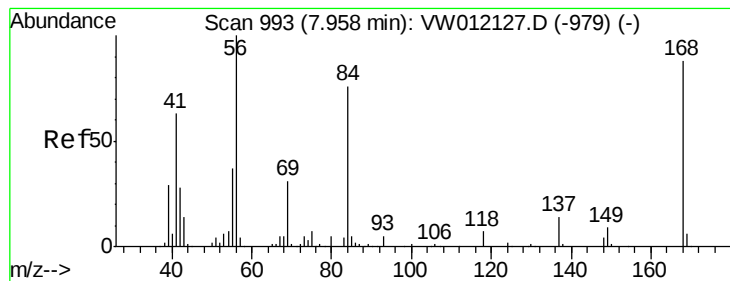
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.6	25.5	38.3



#30
Chloroform
Concen: 19.645 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





#31

Cyclohexane

Concen: 18.330 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

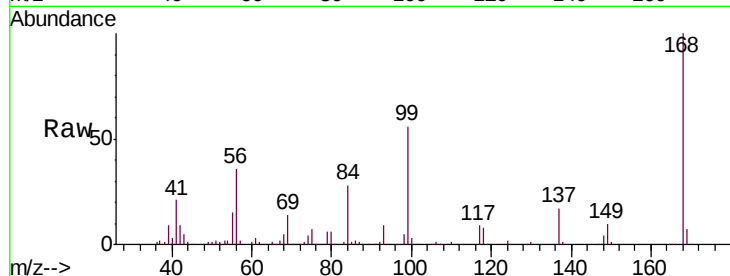
Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

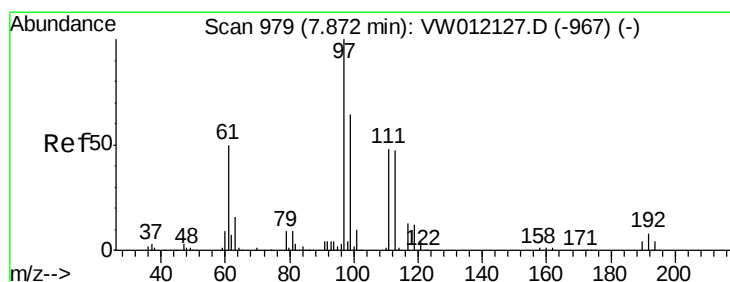
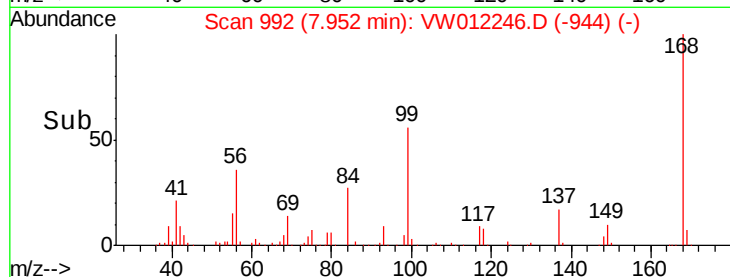
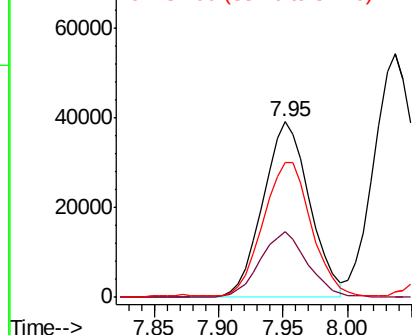
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 98126

Ion	Ratio	Lower	Upper
56	100		
69	37.6	24.9	37.3#
84	75.5	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: 19.693 ug/l

RT: 7.87 min Scan# 979

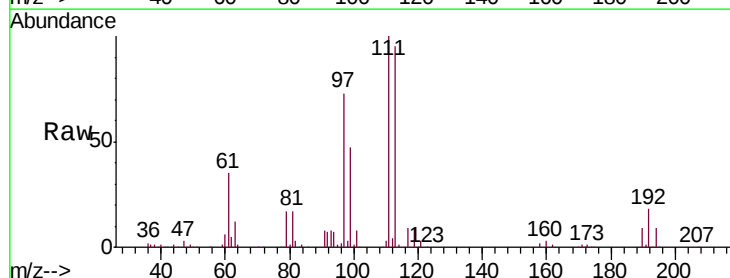
Delta R.T. -0.00 min

Lab File: VW012246.D

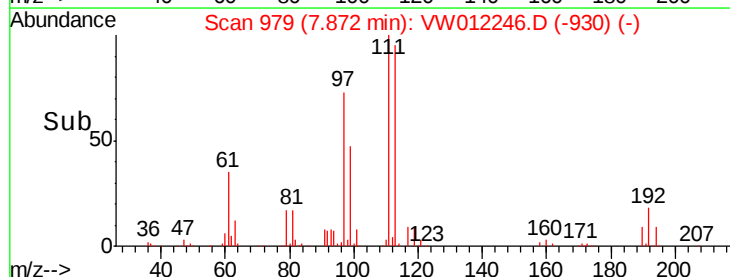
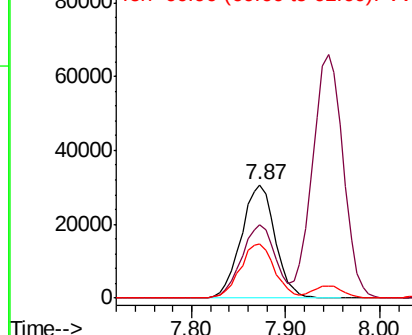
Acq: 28 Aug 2019 11:48

Tgt Ion: 97 Resp: 77123

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	48.8	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

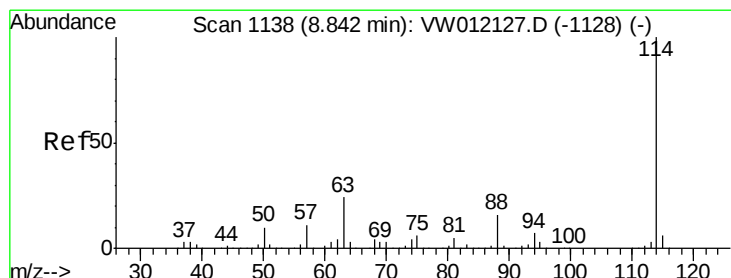
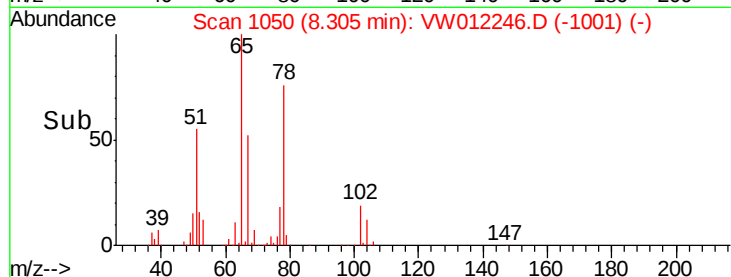
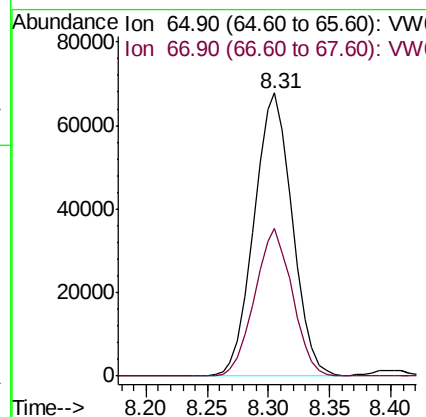
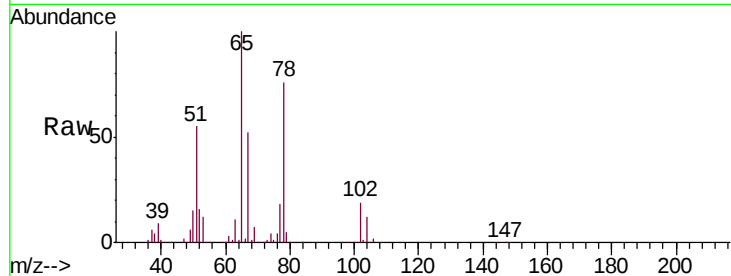




#33
 1,2-Dichloroethane-d4
 Concen: 49.657 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

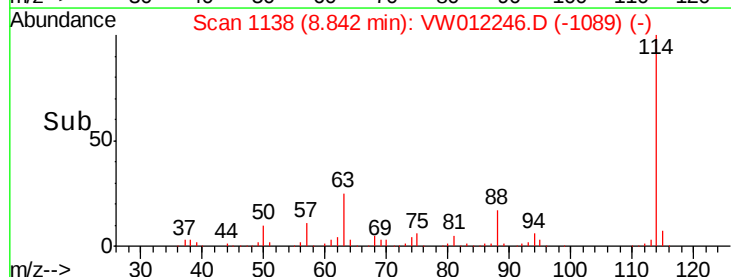
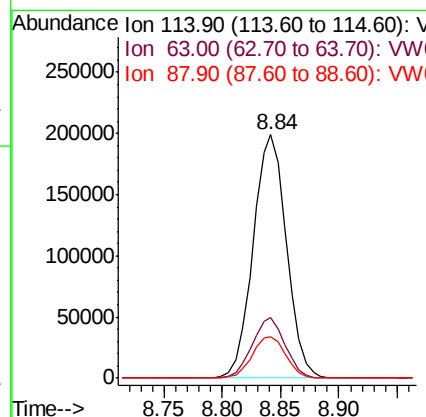
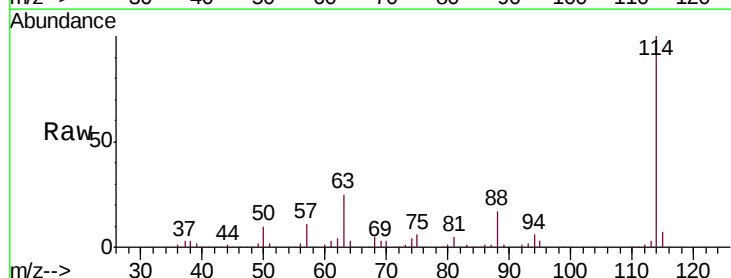
Instrument :
 MSVOA_W
 ClientSampleId :

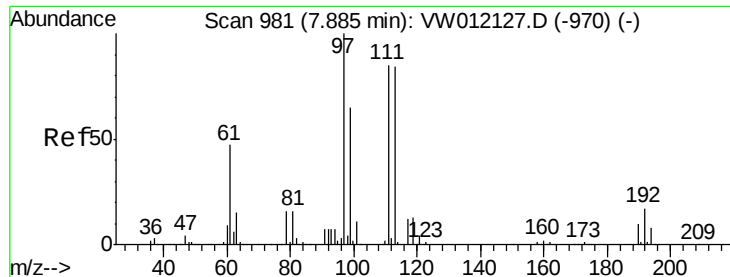
Tot Ion: 65 Resp: 147585
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion: 114 Resp: 396103
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 17.1 0.0 32.2

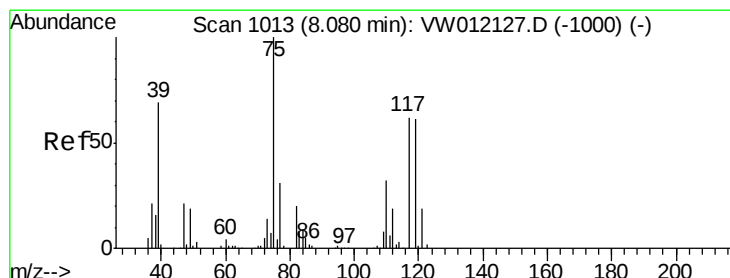
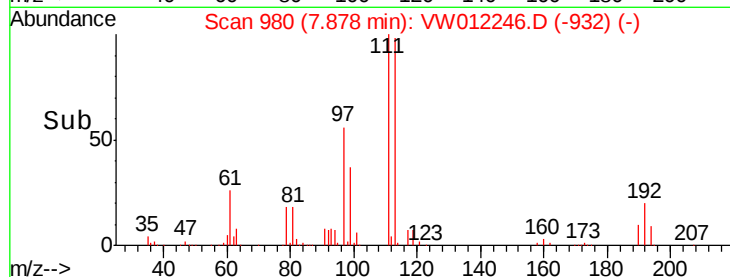
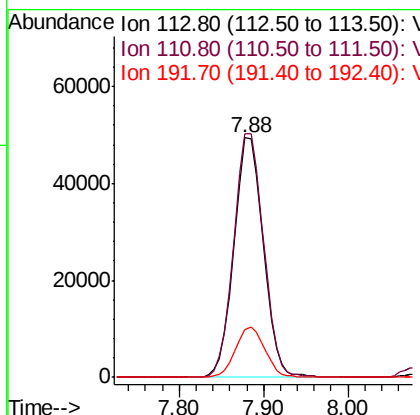
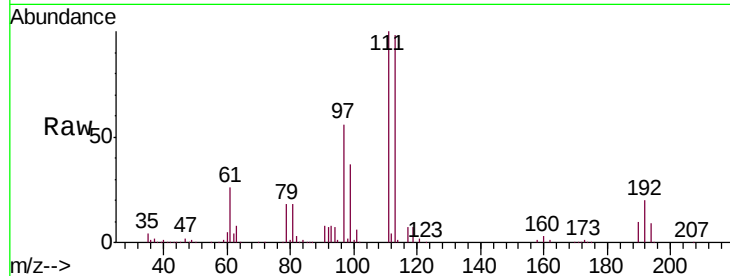




#35
 Dibromofluoromethane
 Concen: 49.257 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

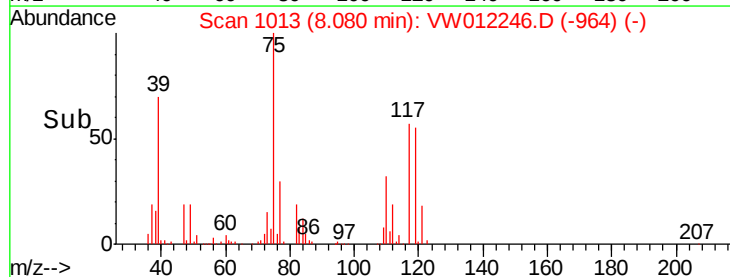
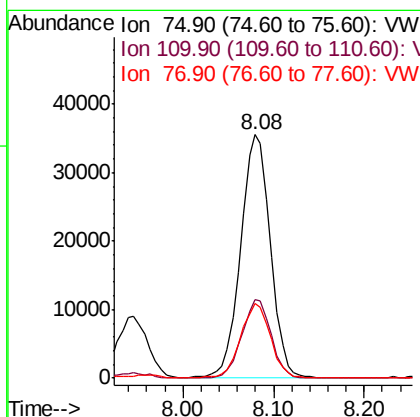
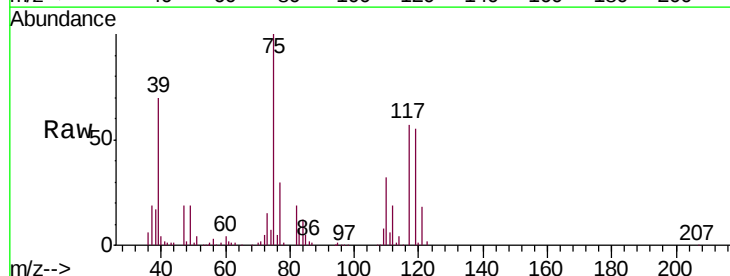
Instrument :
 MSVOA_W
 ClientSampleId :

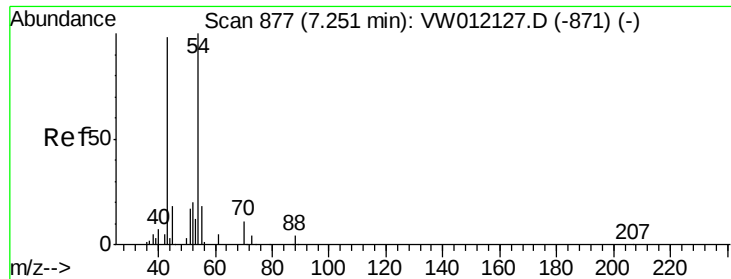
Tot Ion:113 Resp: 116460
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.727 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion: 75 Resp: 80749
 Ion Ratio Lower Upper
 75 100
 110 31.5 15.6 46.8
 77 30.7 24.6 36.8

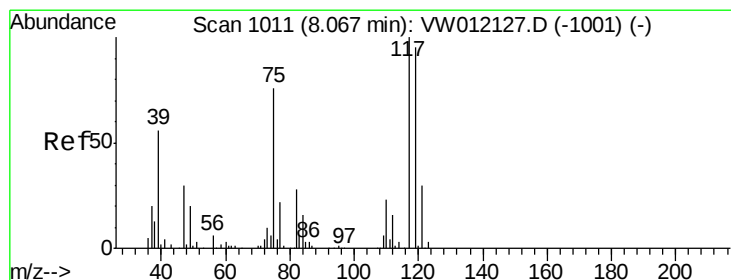
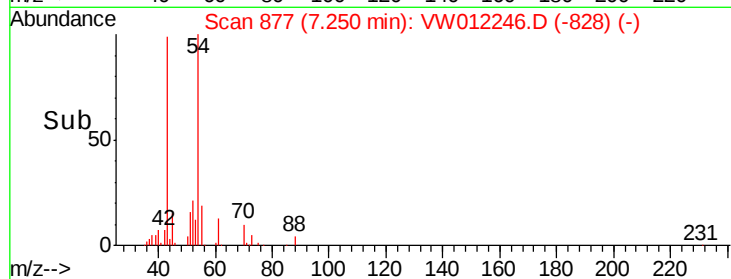
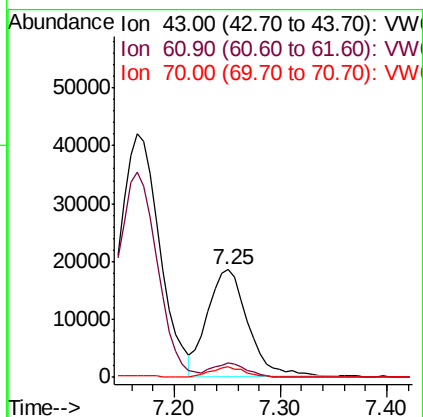
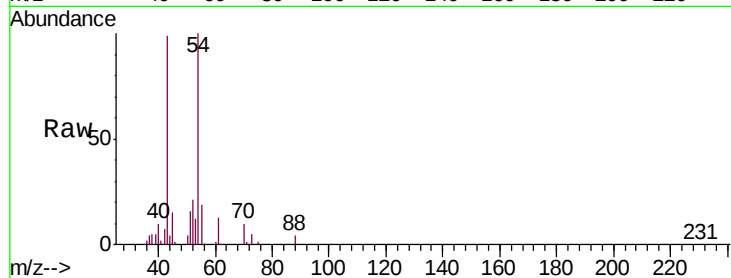




#37
Ethyl Acetate
Concen: 21.455 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

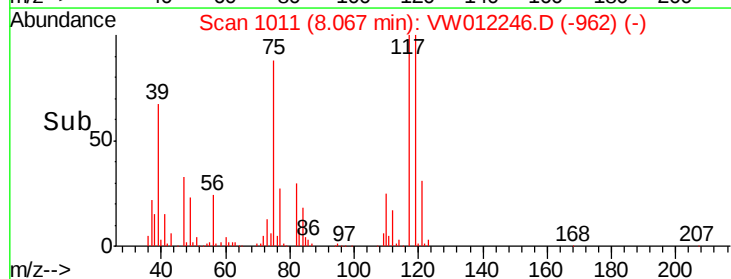
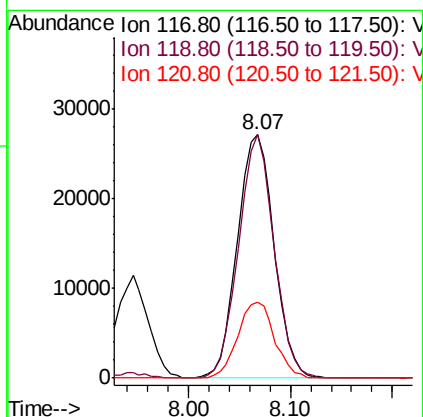
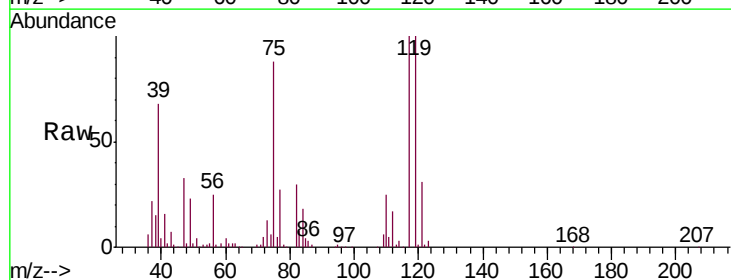
Instrument :
MSVOA_W
ClientSampleId :

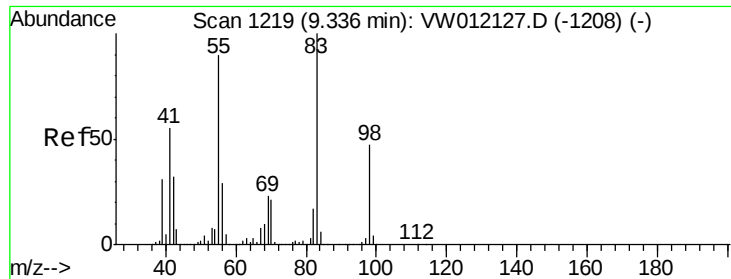
Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.7	6.9	10.3



#38
Carbon Tetrachloride
Concen: 19.206 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	76.2	114.2
121	31.3	23.8	35.8

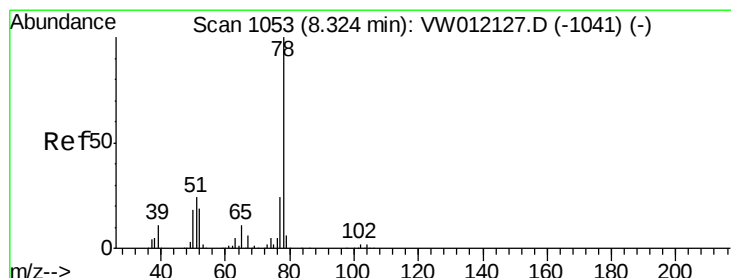
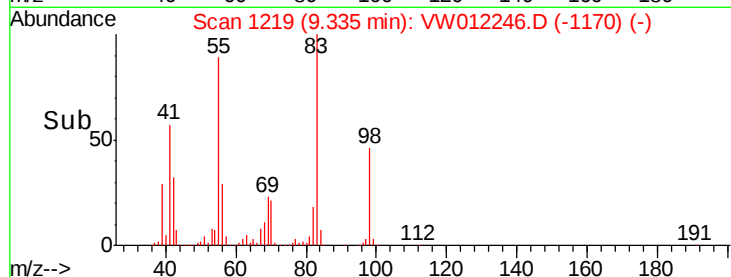
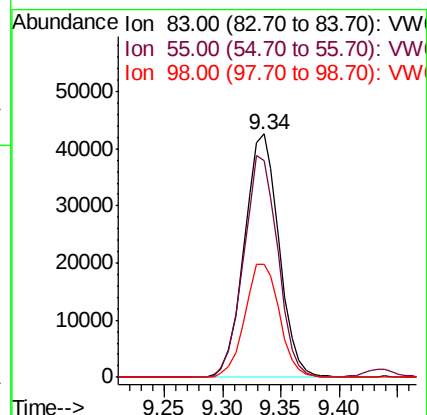
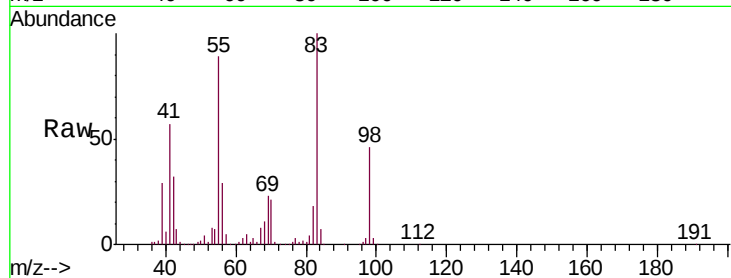




#39
Methvlcvclohexane
Concen: 19.250 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

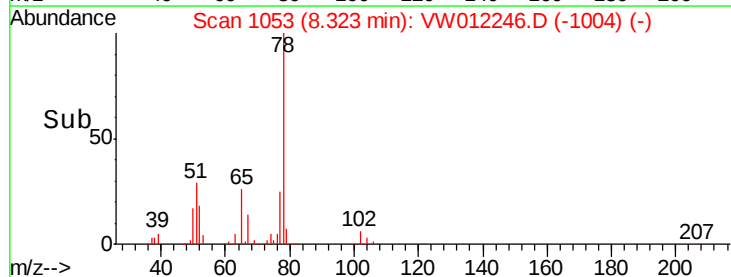
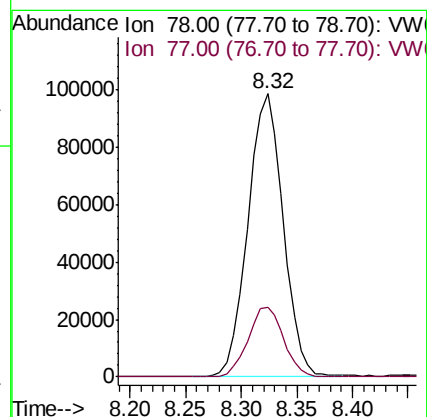
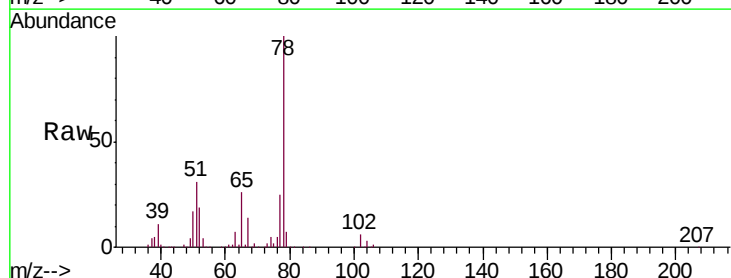
Instrument :
MSVOA_W
ClientSampled :

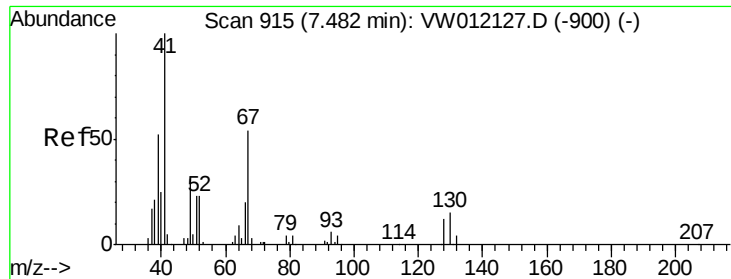
Tot Ion: 83 Resp: 88520
Ion Ratio Lower Upper
83 100
55 88.9 71.8 107.8
98 46.4 37.8 56.8



#40
Benzene
Concen: 19.475 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 78 Resp: 217670
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3

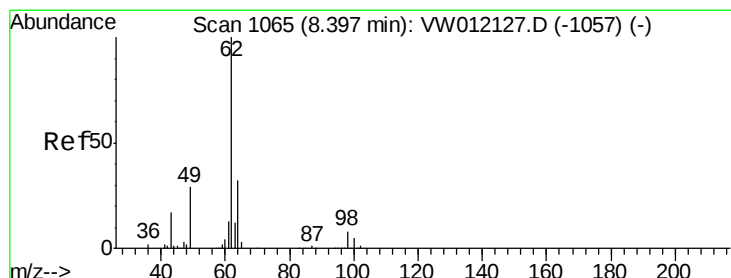
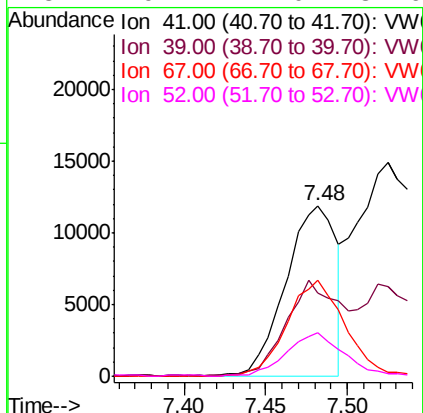
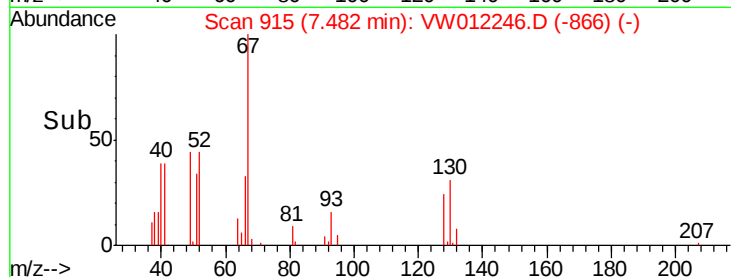
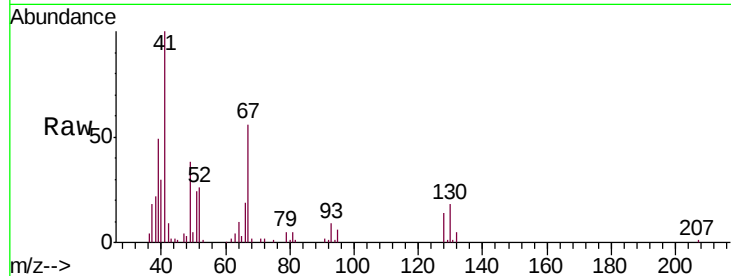




#41
Methacrylonitrile
Concen: 19.551 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

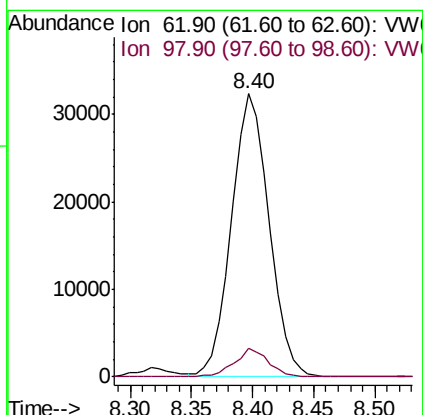
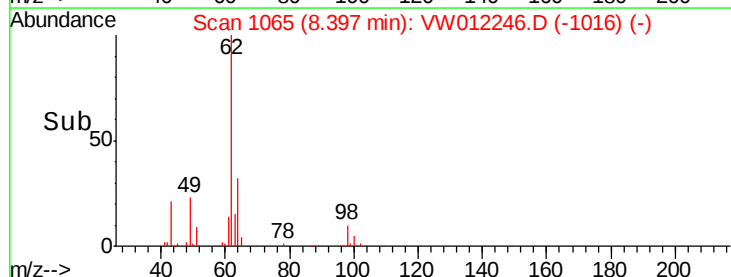
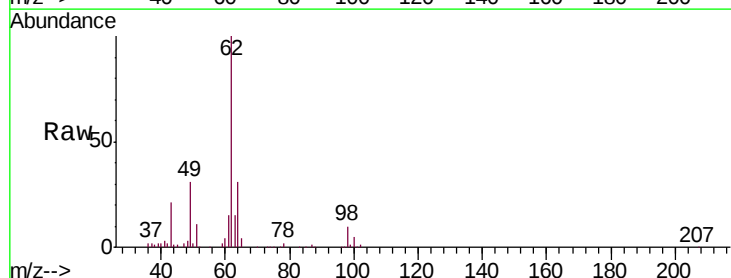
Instrument :
MSVOA_W
ClientSampled :

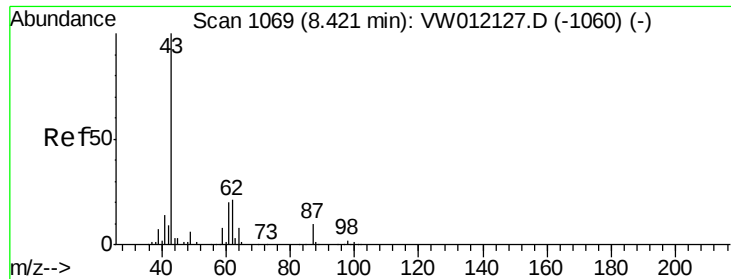
Tot Ion:	41	Resp:	25775
Ion	Ratio	Lower	Upper
41	100		
39	60.2	45.8	68.8
67	64.6	46.2	69.4
52	29.7	21.0	31.6



#42
1,2-Dichloroethane
Concen: 19.738 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:	62	Resp:	69142
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.277 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

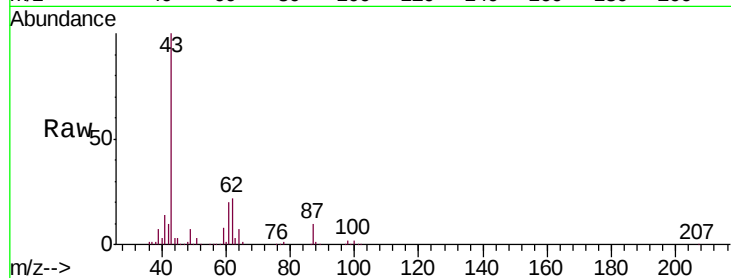
Tot Ion: 43 Resp: 88401

Ion Ratio Lower Upper

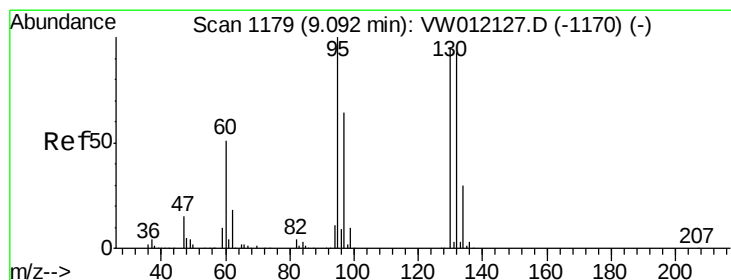
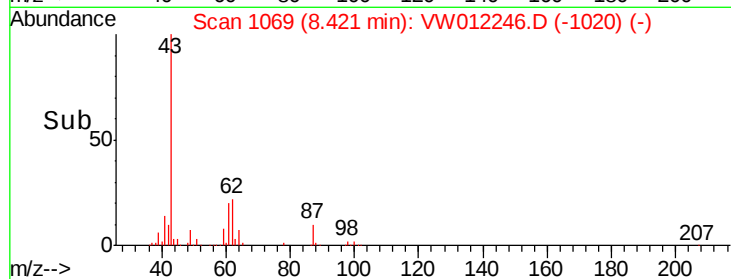
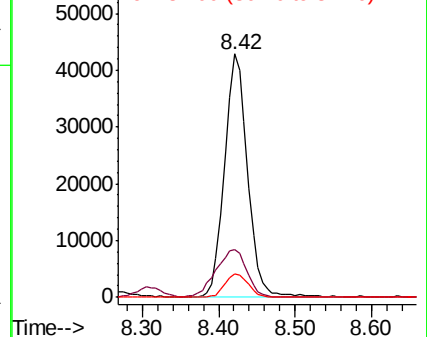
43 100

61 26.1 21.1 31.7

87 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.930 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012246.D

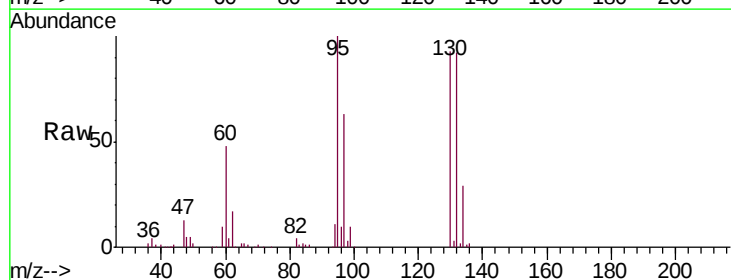
Acq: 28 Aug 2019 11:48

Tgt Ion:130 Resp: 54151

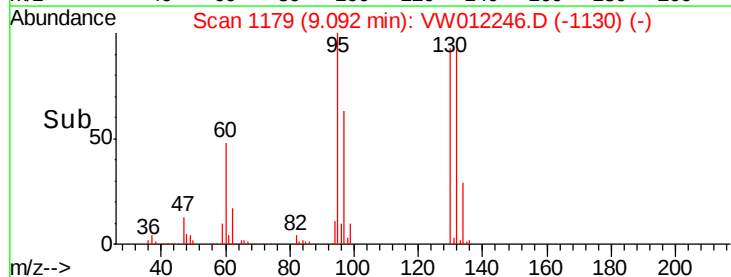
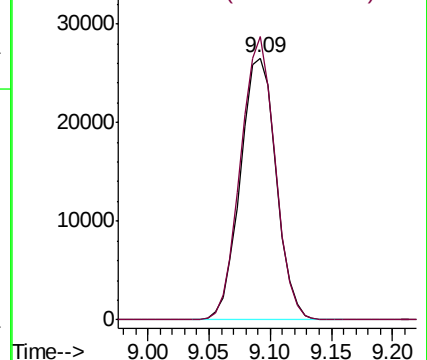
Ion Ratio Lower Upper

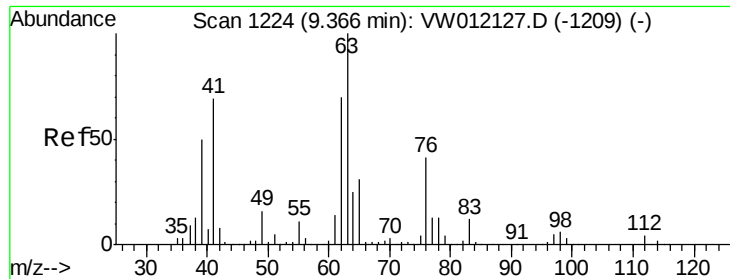
130 100

95 108.0 0.0 210.6



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





#45

1,2-Dichloropropane

Concen: 20.089 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

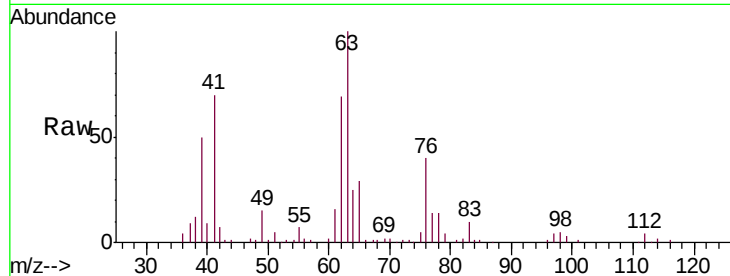
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 60430

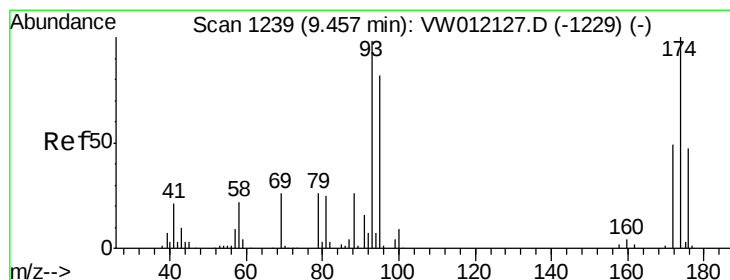
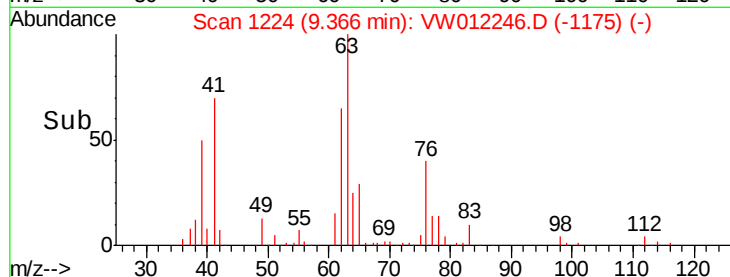
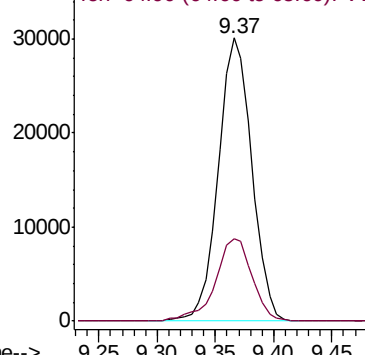
Ion Ratio Lower Upper

63 100

65 29.1 25.0 37.4



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



#46

Dibromomethane

Concen: 20.417 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

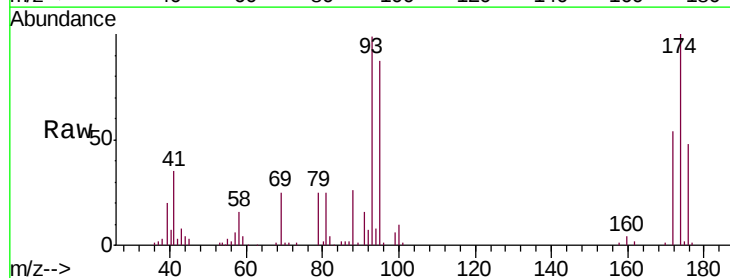
Tgt Ion: 93 Resp: 27325

Ion Ratio Lower Upper

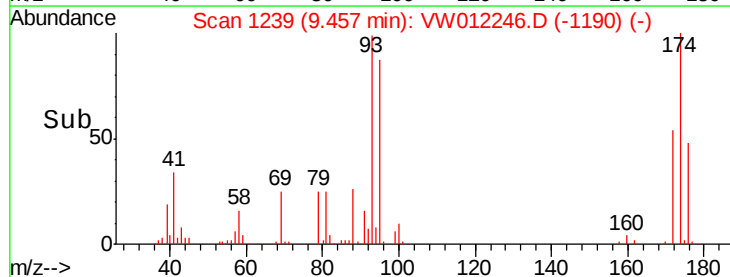
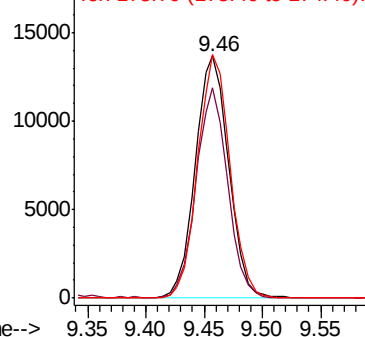
93 100

95 82.2 67.2 100.8

174 97.1 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.809 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :

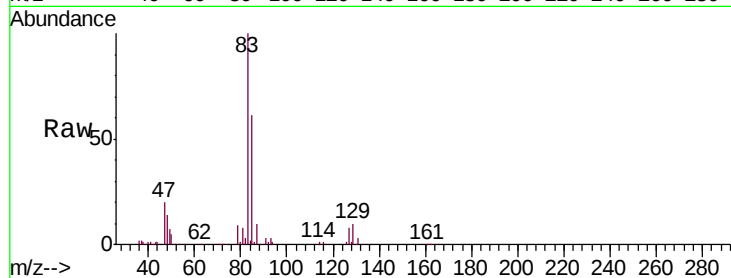
Tot Ion: 83 Resp: 70560

Ion Ratio Lower Upper

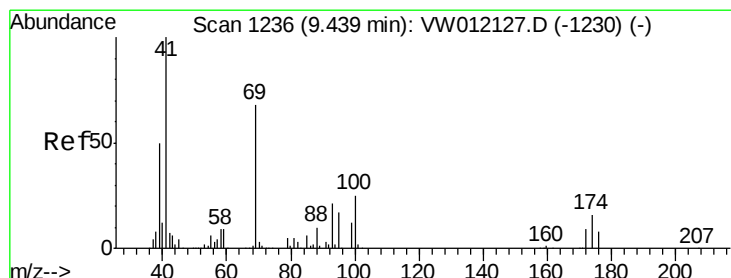
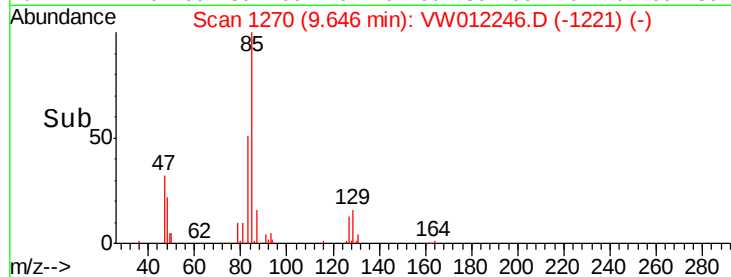
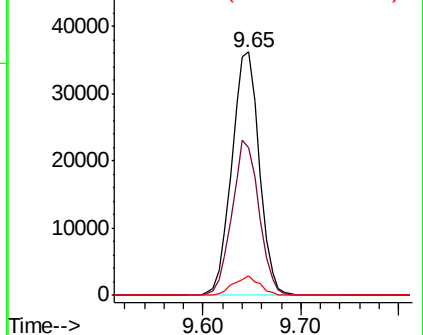
83 100

85 60.8 49.4 74.2

127 8.1 6.1 9.1



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



#48

Methyl methacrylate

Concen: 21.396 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

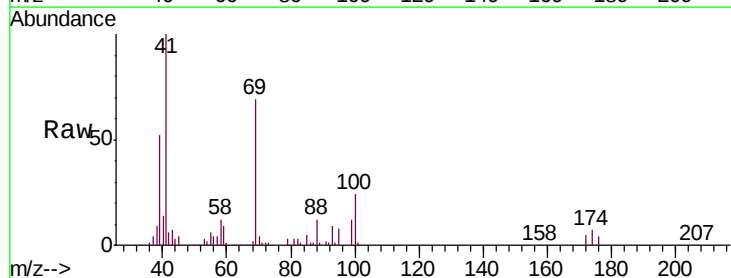
Tgt Ion: 41 Resp: 42310

Ion Ratio Lower Upper

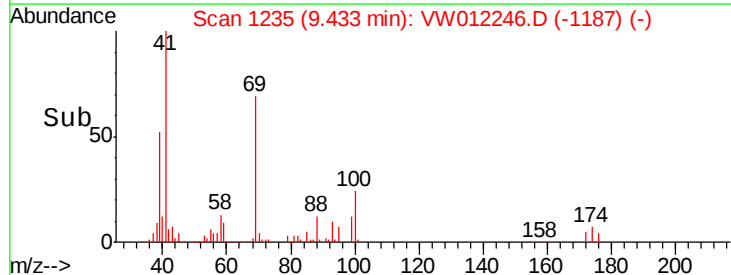
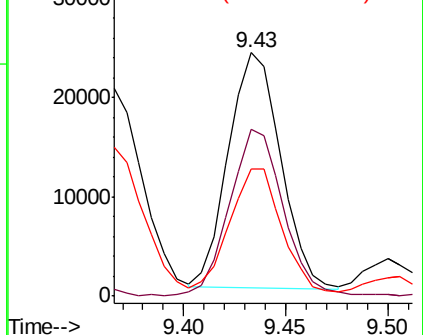
41 100

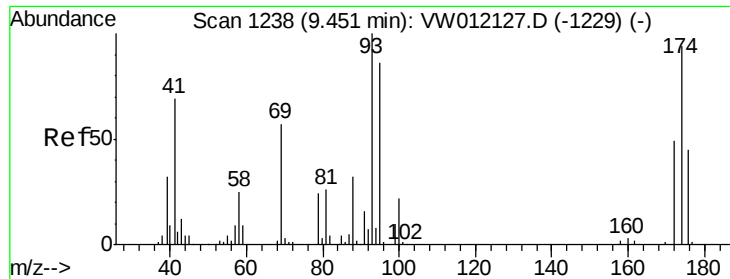
69 72.3 56.7 85.1

39 51.2 42.0 63.0



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

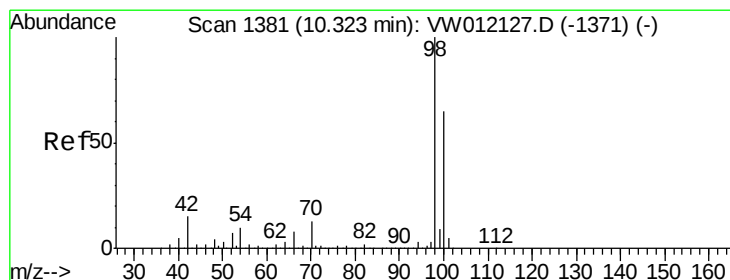
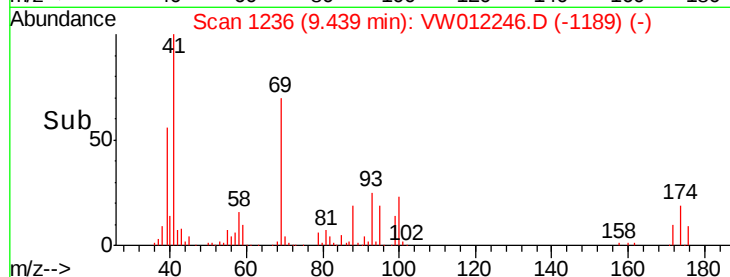
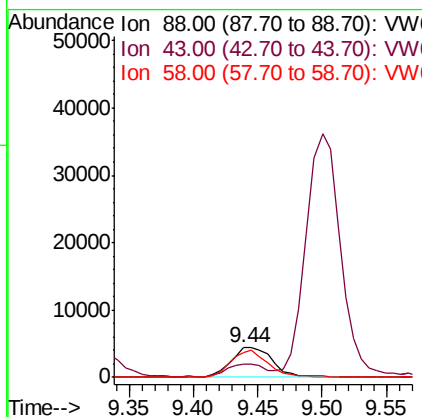
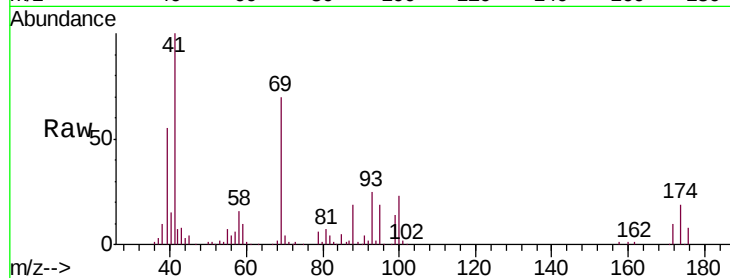




#49
 1,4-Dioxane
 Concen: 483.480 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

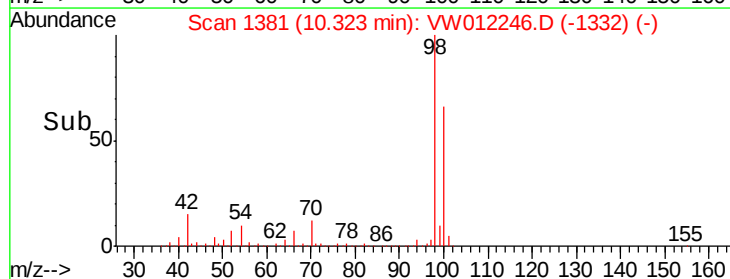
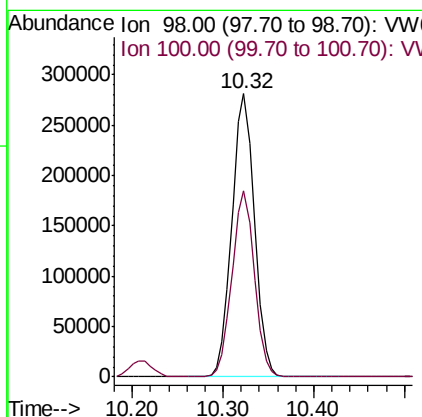
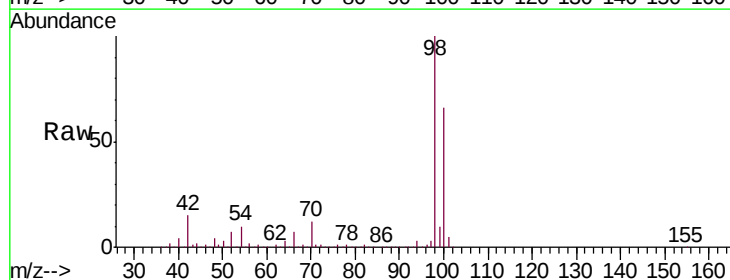
Instrument :
 MSVOA_W
 ClientSampleId :

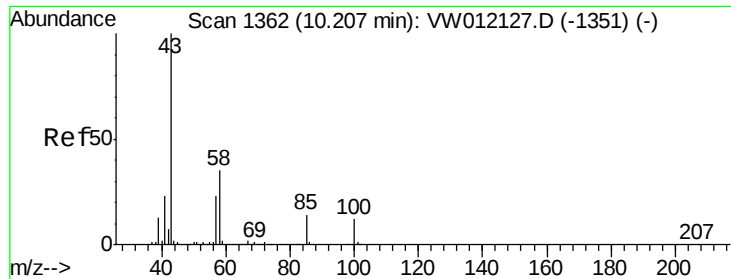
Tot Ion: 88 Resp: 9906
 Ion Ratio Lower Upper
 88 100
 43 40.7 32.9 49.3
 58 85.4 71.0 106.4



#50
 Toluene-d8
 Concen: 50.706 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion: 98 Resp: 486101
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.4 78.6

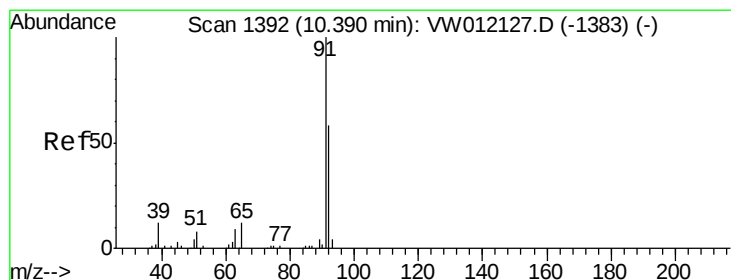
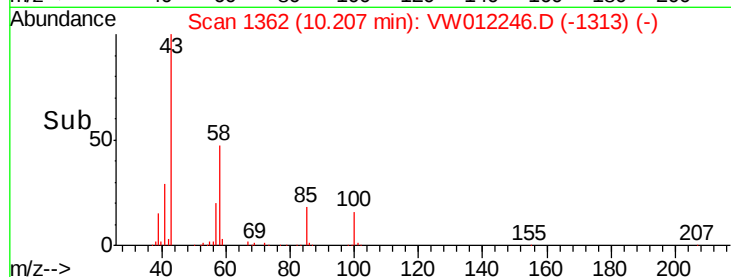
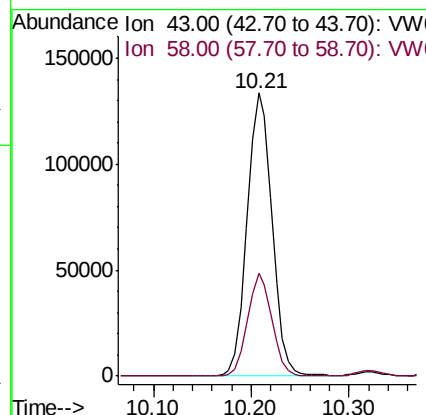
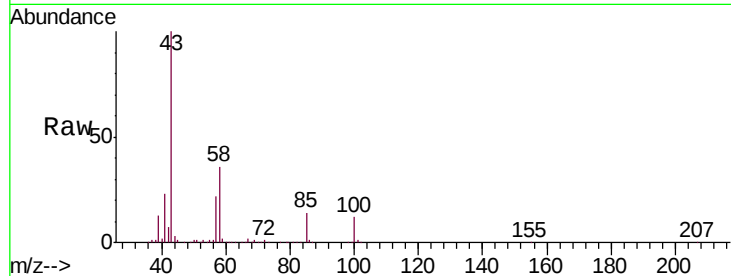




#51
4-Methyl-2-Pentanone
Concen: 111.528 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

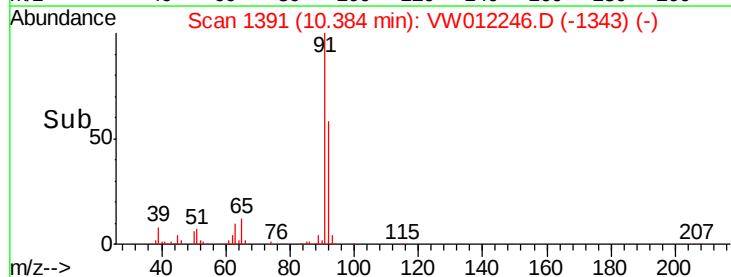
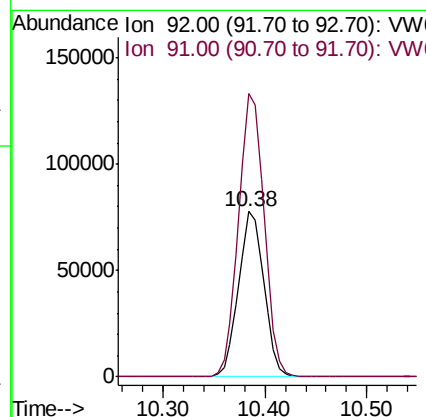
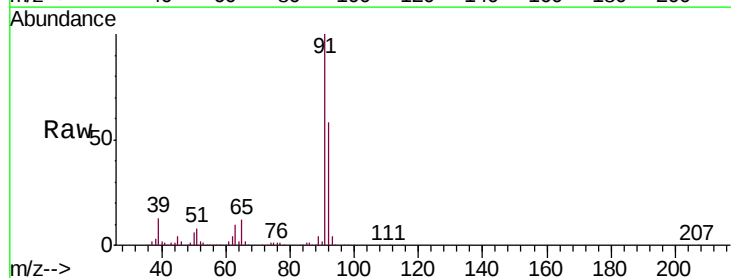
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 235690
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#52
Toluene
Concen: 19.950 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 92 Resp: 133956
Ion Ratio Lower Upper
92 100
91 172.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.476 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

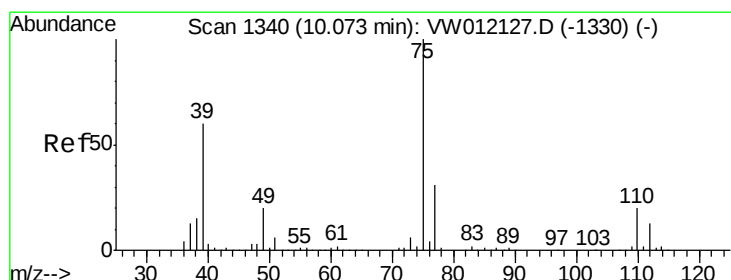
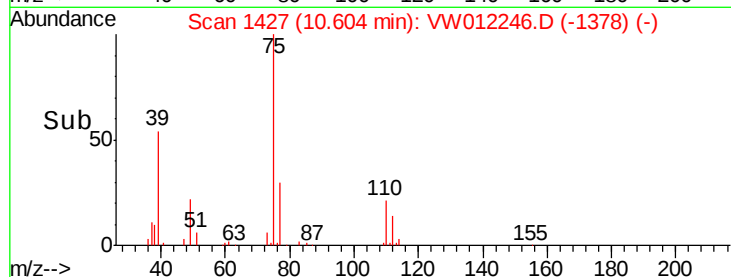
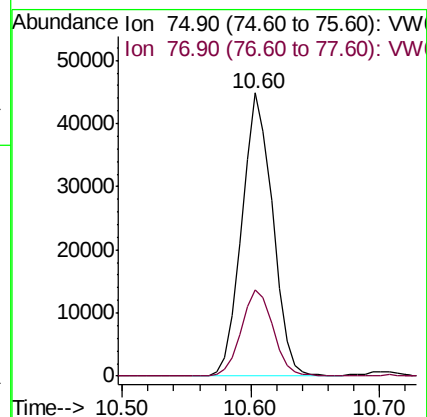
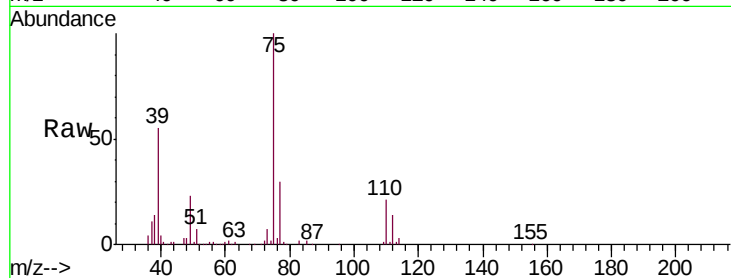
ClientSampled :

Tot Ion: 75 Resp: 74295

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.810 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

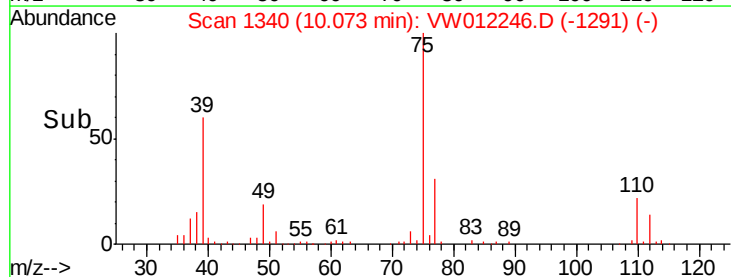
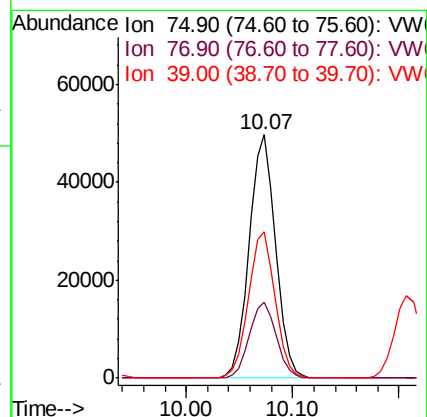
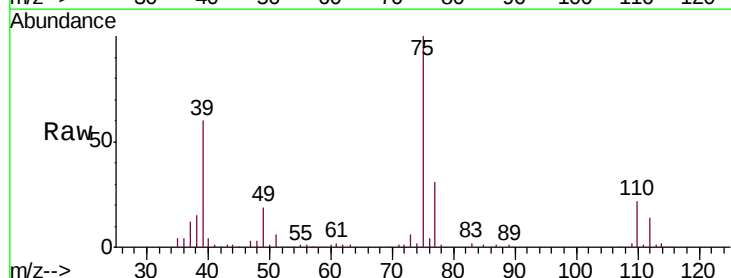
Tgt Ion: 75 Resp: 86787

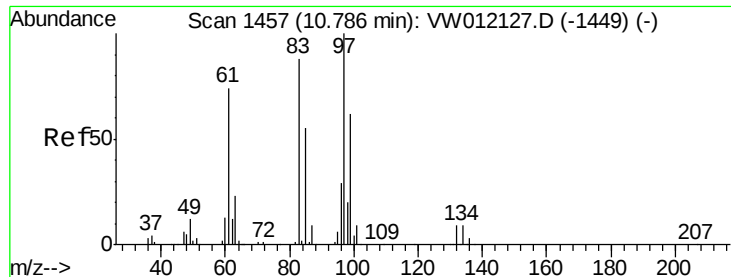
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 59.9 48.3 72.5

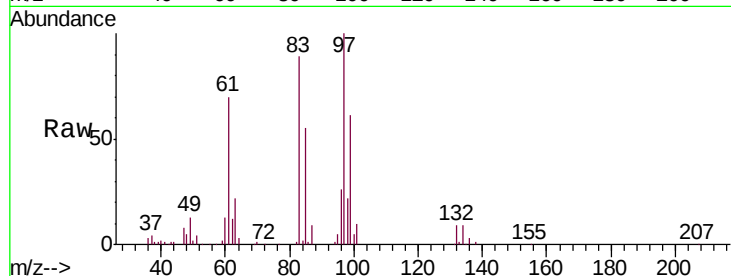




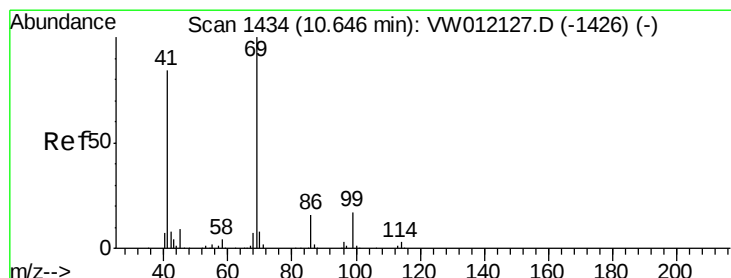
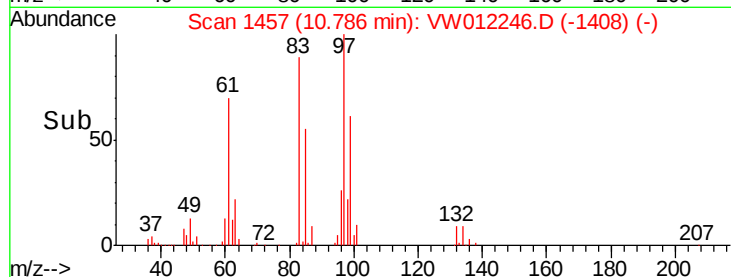
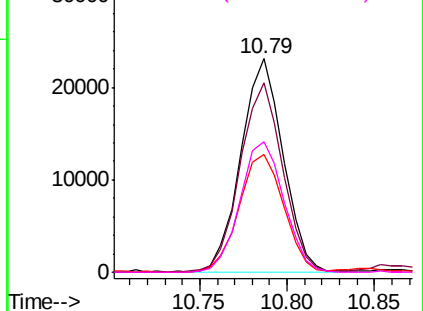
#55
 1,1,2-Trichloroethane
 Concen: 20.534 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	38884
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	55.3	43.8	65.8
99	61.1	49.8	74.6

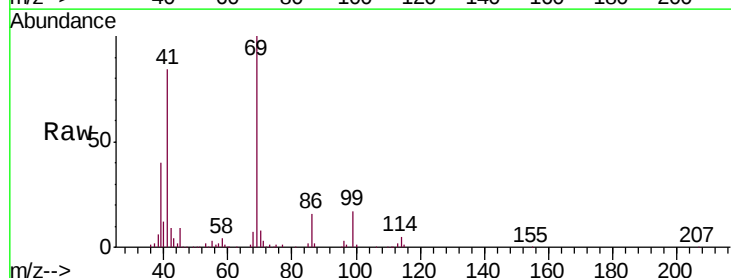


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

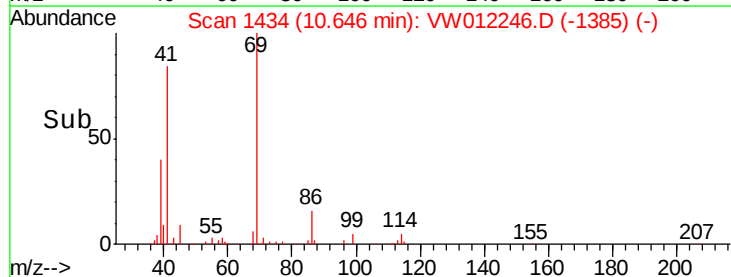
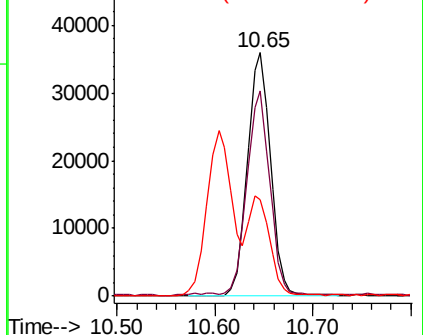


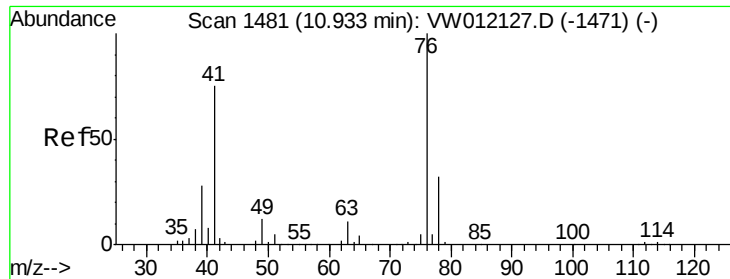
#56
 Ethyl methacrylate
 Concen: 21.561 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion:	69	Resp:	59422
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.5	99.7
39	37.0	31.0	46.4



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





#57

1,3-Dichloropropane

Concen: 20.896 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

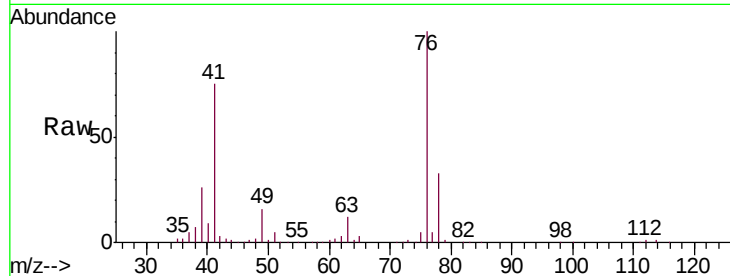
ClientSampleId :

Tot Ion: 76 Resp: 74776

Ion Ratio Lower Upper

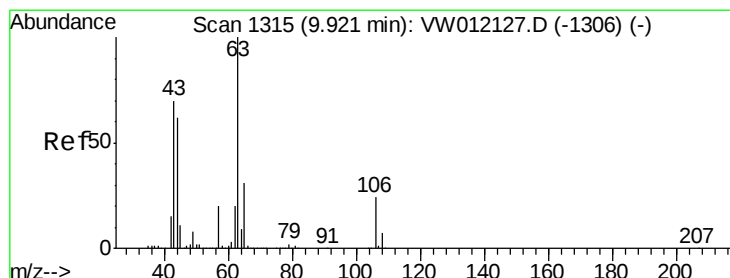
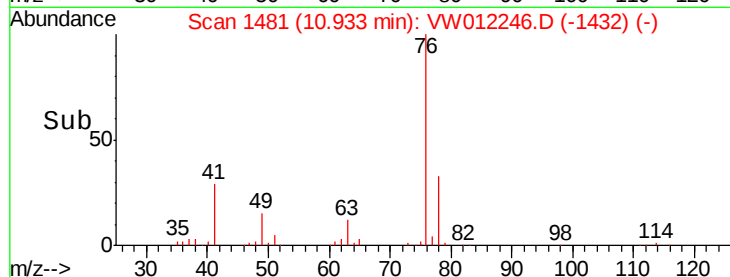
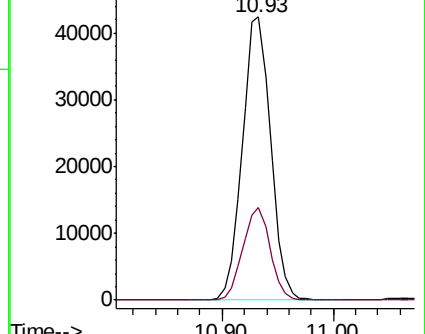
76 100

78 31.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 108.350 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012246.D

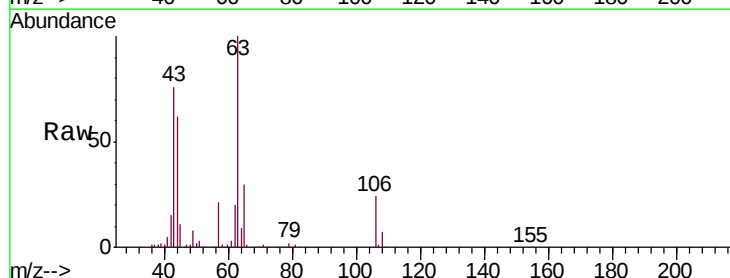
Acq: 28 Aug 2019 11:48

Tgt Ion: 63 Resp: 153255

Ion Ratio Lower Upper

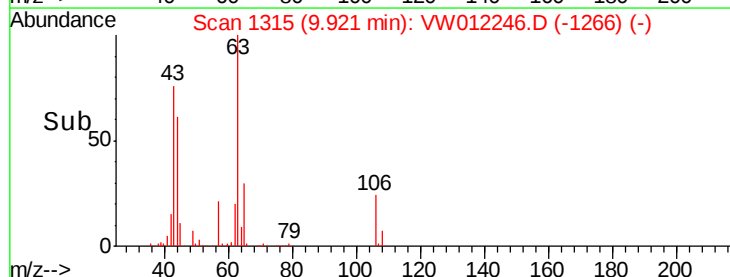
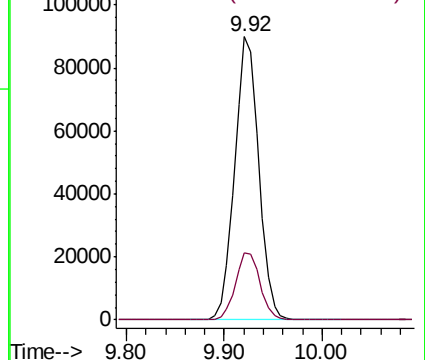
63 100

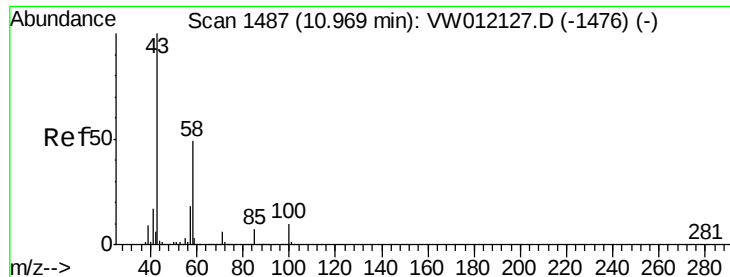
106 24.3 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

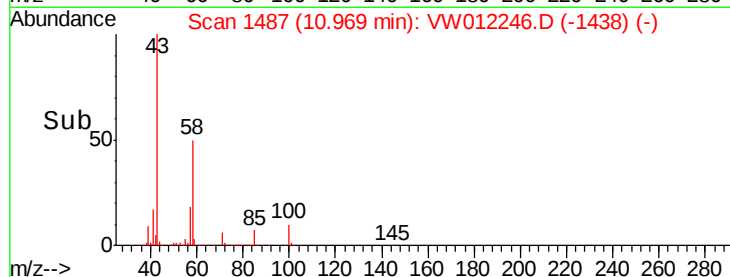
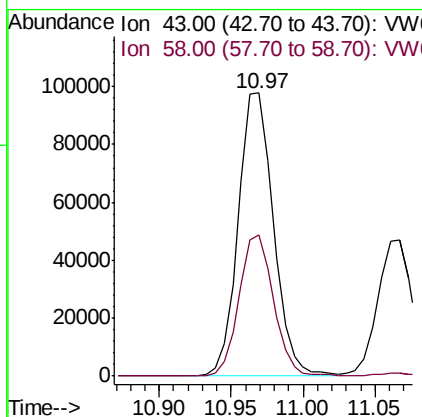
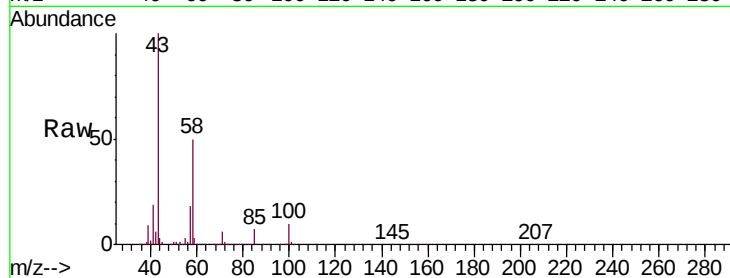




#59
2-Hexanone
Concen: 111.031 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

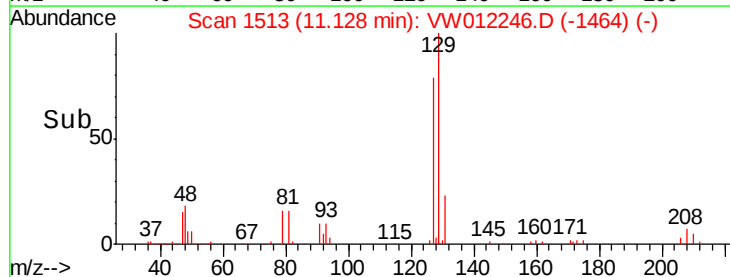
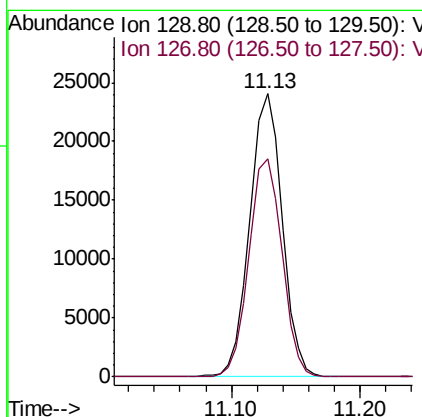
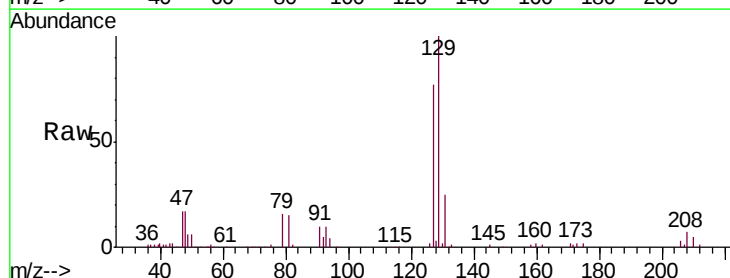
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 166022
Ion Ratio Lower Upper
43 100
58 48.9 24.3 72.9



#60
Dibromochloromethane
Concen: 19.842 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 129 Resp: 41850
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.202 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

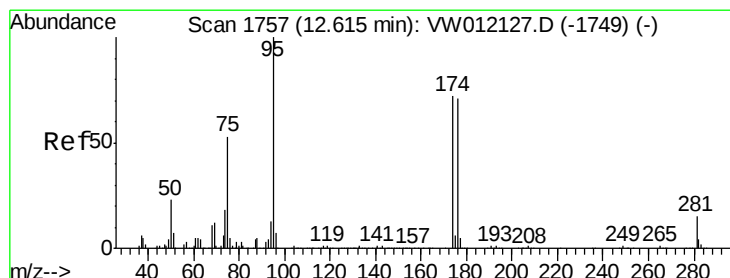
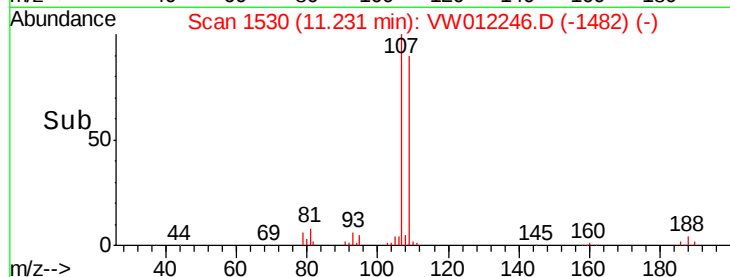
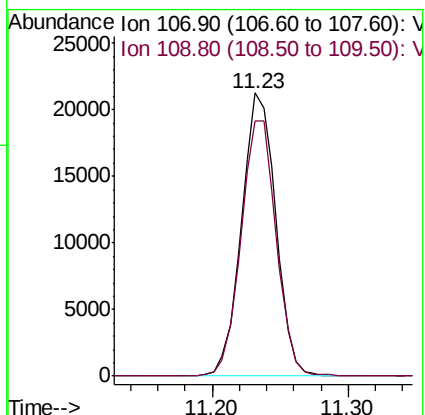
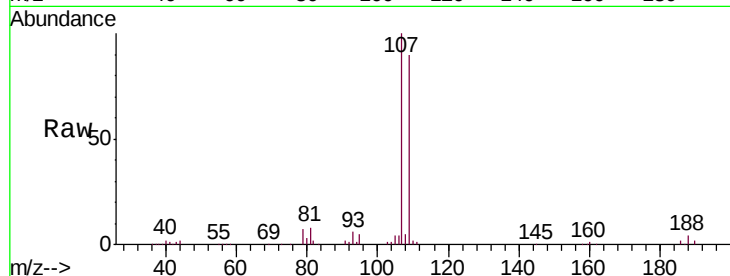
ClientSampleId :

Tot Ion: 107 Resp: 37403

Ion Ratio Lower Upper

107 100

109 93.1 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 50.755 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

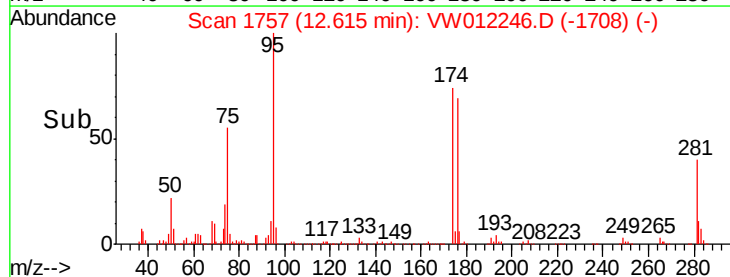
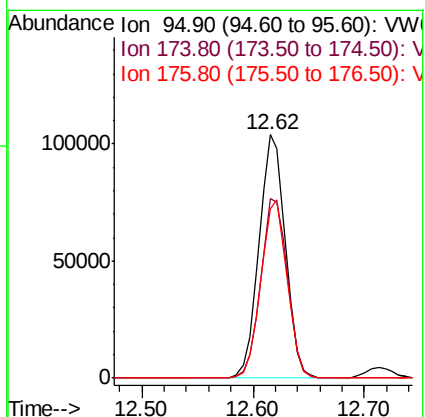
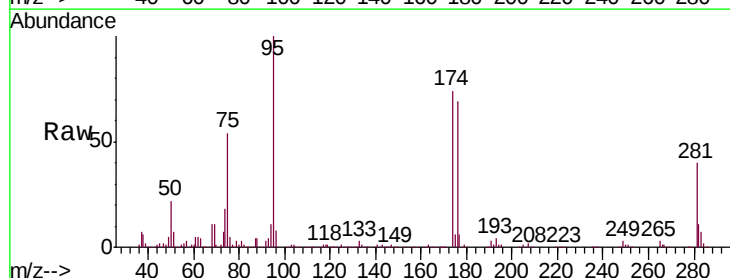
Tgt Ion: 95 Resp: 171516

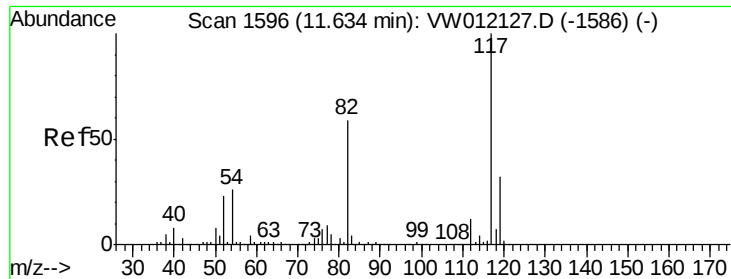
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.8

176 73.0 0.0 148.6

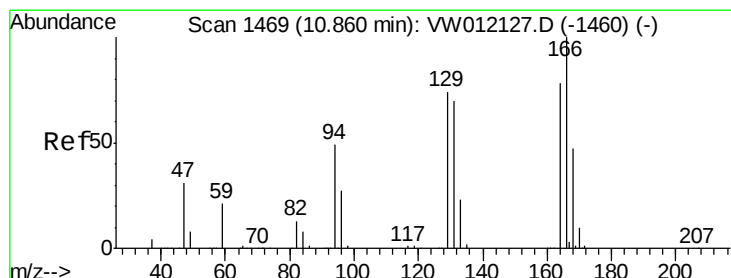
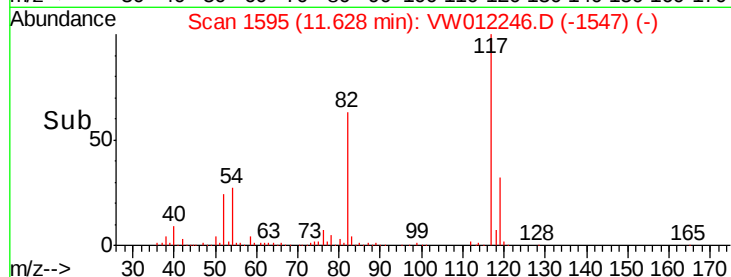
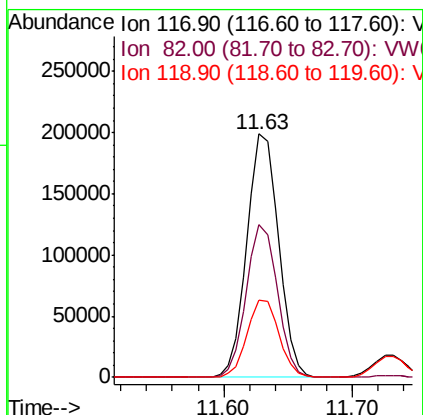
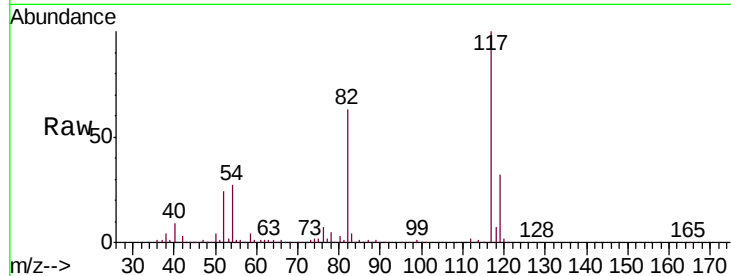




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

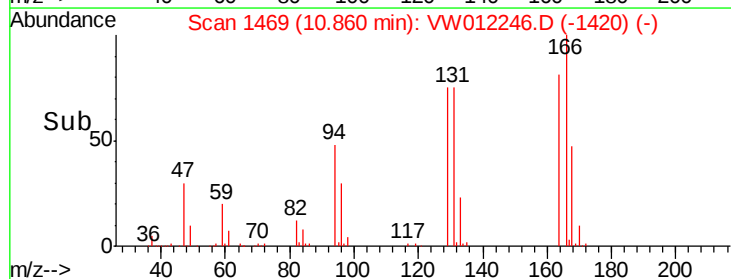
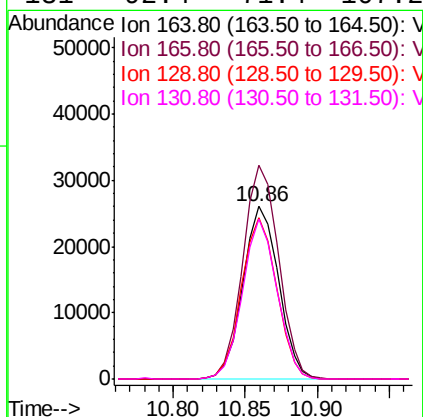
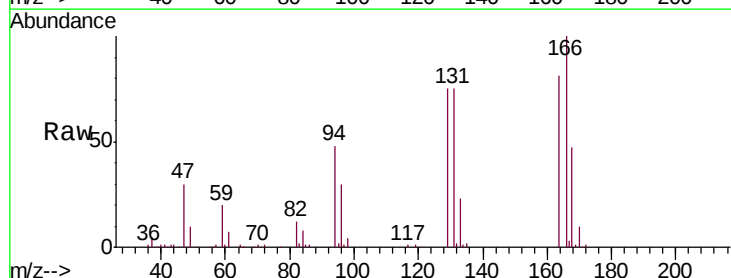
Instrument :
MSVOA_W
ClientSampled :

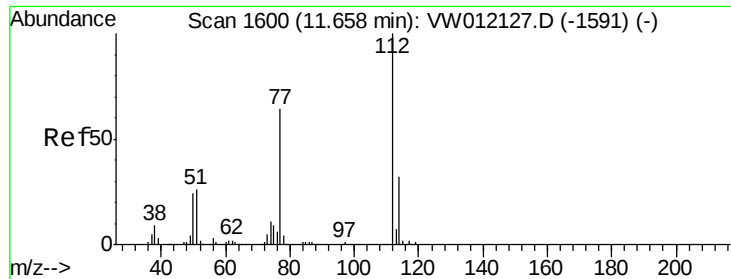
Tot Ion:117 Resp: 338464
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 20.323 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:164 Resp: 44597
Ion Ratio Lower Upper
164 100
166 123.8 102.4 153.6
129 93.2 75.8 113.6
131 92.4 71.4 107.2

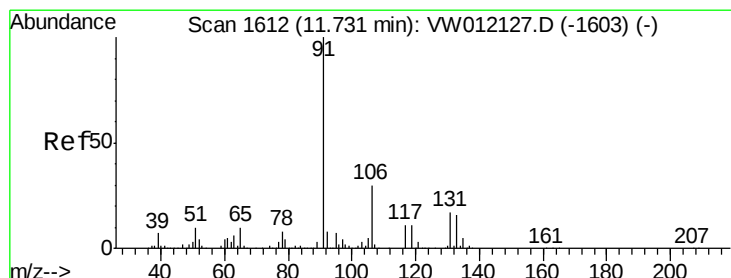
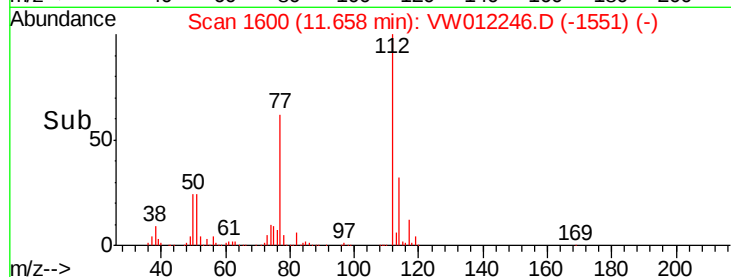
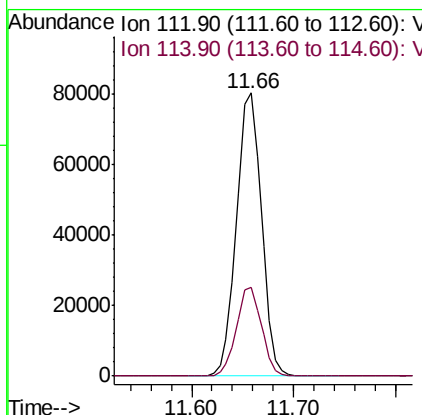
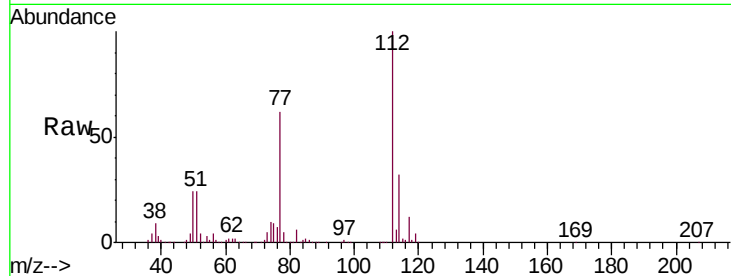




#65
Chlorobenzene
Concen: 20.446 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

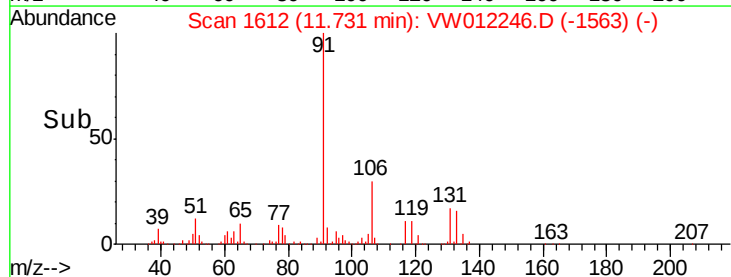
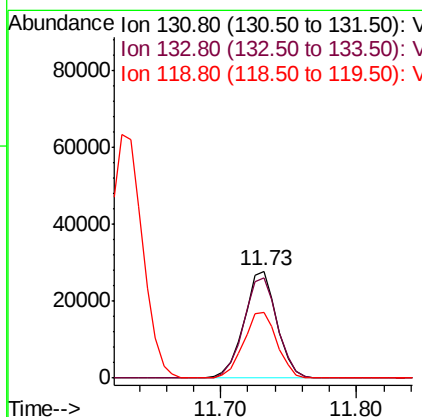
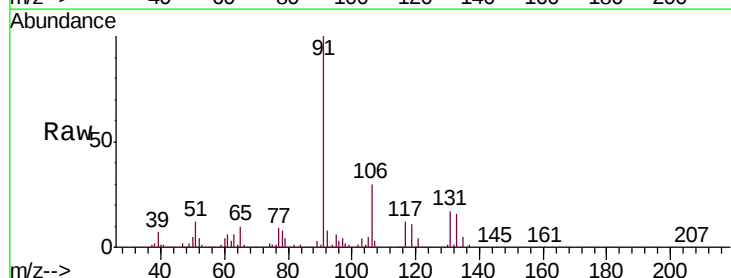
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 136265
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:131 Resp: 46650
Ion Ratio Lower Upper
131 100
133 96.9 47.1 141.3
119 63.6 31.8 95.3

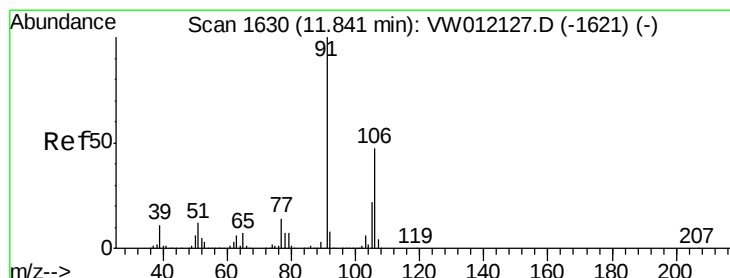
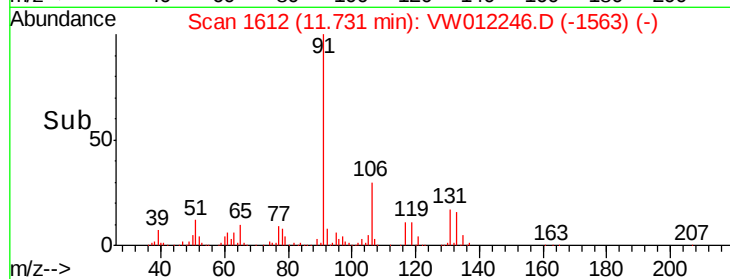
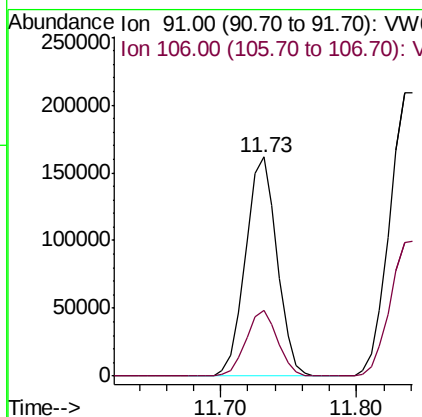
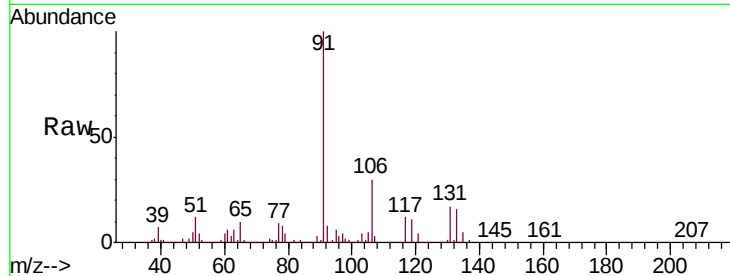




#67
Ethyl Benzene
Concen: 20.459 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

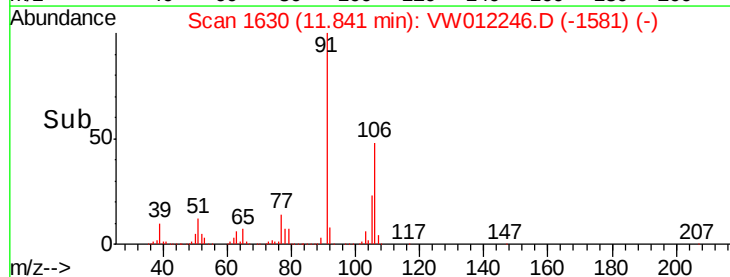
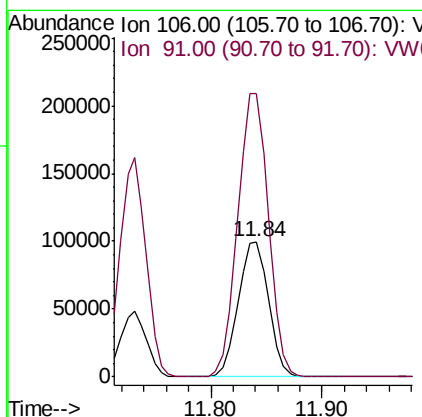
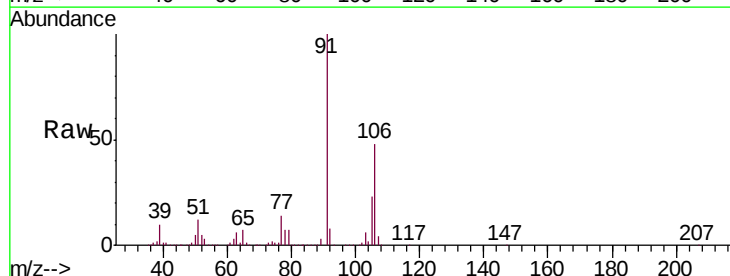
Instrument :
MSVOA_W
ClientSampled :

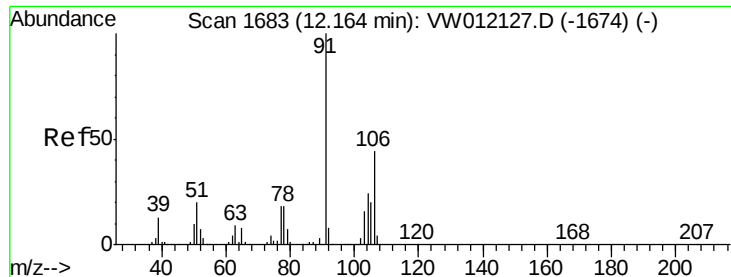
Tot Ion: 91 Resp: 262665
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5



#68
m/p-Xylenes
Concen: 40.714 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 106 Resp: 188280
Ion Ratio Lower Upper
106 100
91 212.0 169.5 254.3

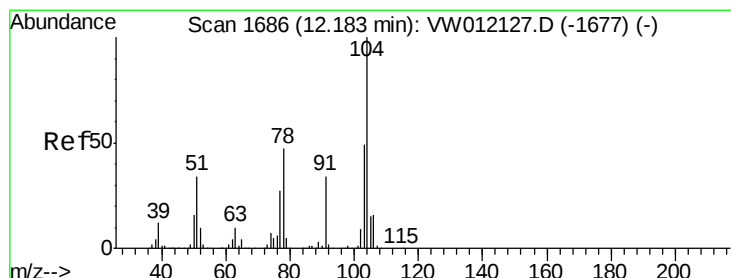
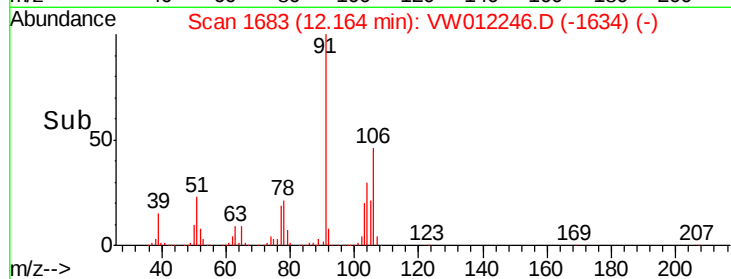
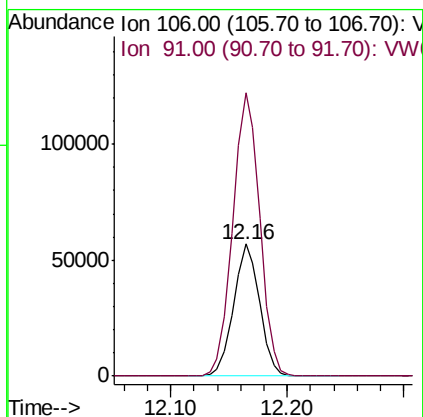
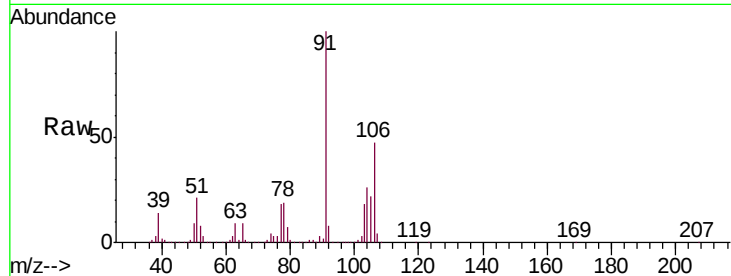




#69
o-Xylene
Concen: 20.627 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

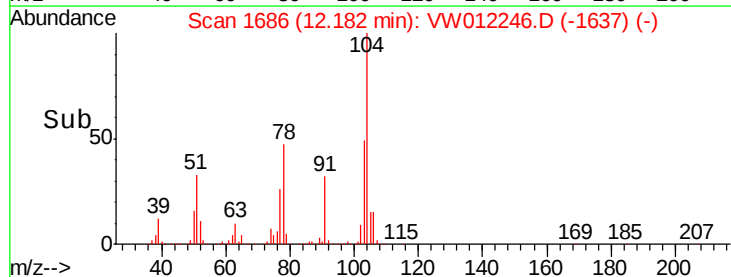
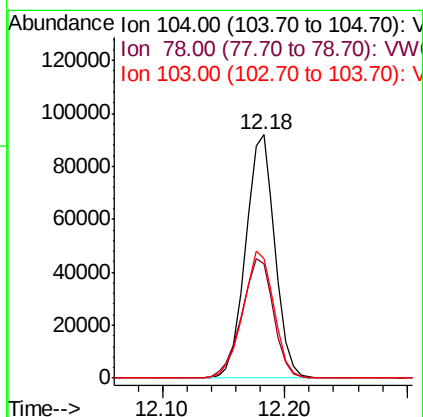
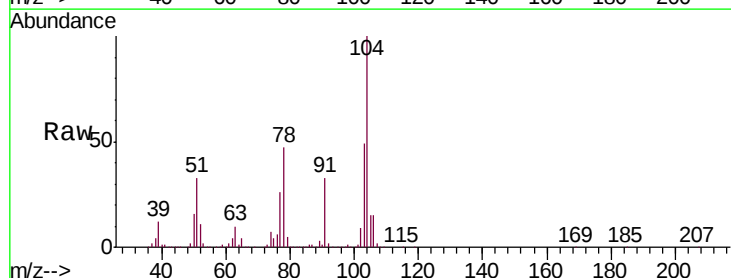
Instrument :
MSVOA_W
ClientSampled :

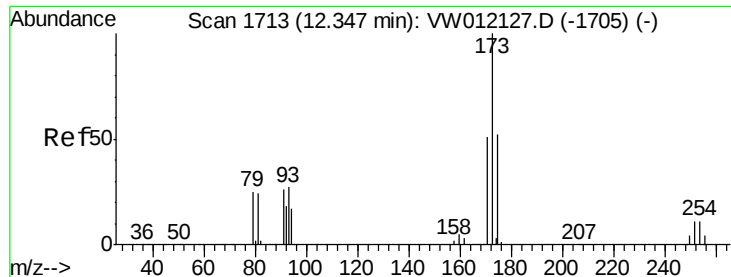
Tot Ion:106 Resp: 88288
Ion Ratio Lower Upper
106 100
91 223.2 111.6 334.6



#70
Styrene
Concen: 20.552 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:104 Resp: 152258
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 55.7 43.5 65.3

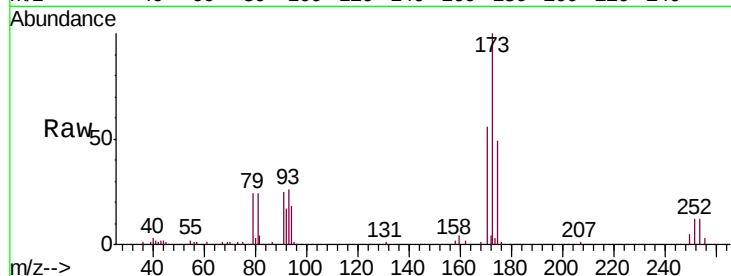




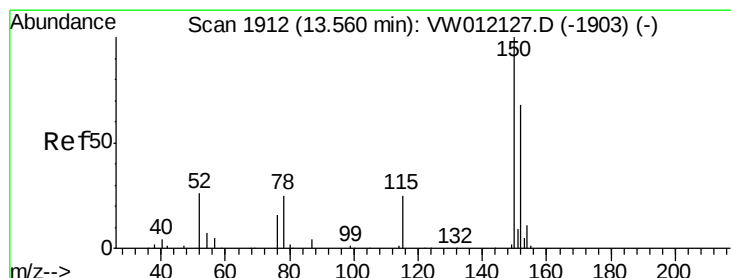
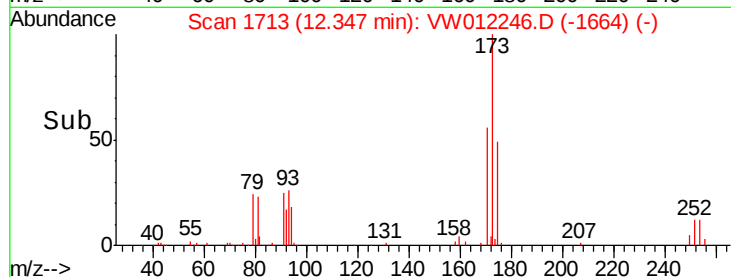
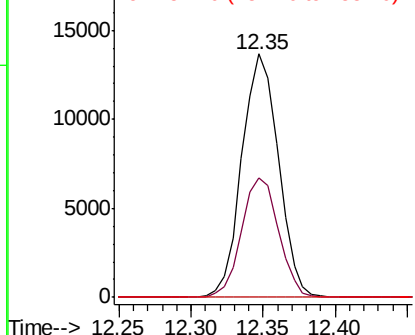
#71
Bromoform
Concen: 20.768 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 24057
Ion Ratio Lower Upper
173 100
175 49.6 24.6 74.0
254 0.0 0.2 0.2#

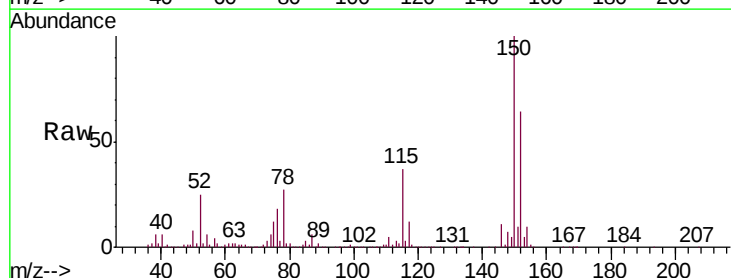


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

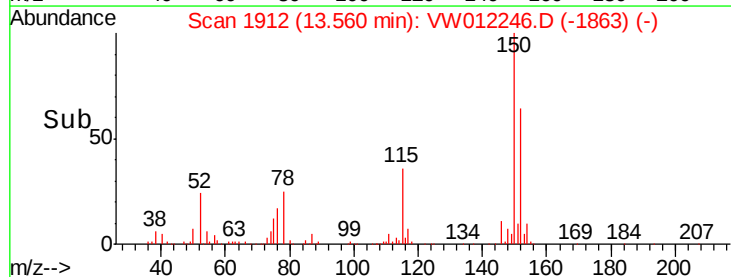
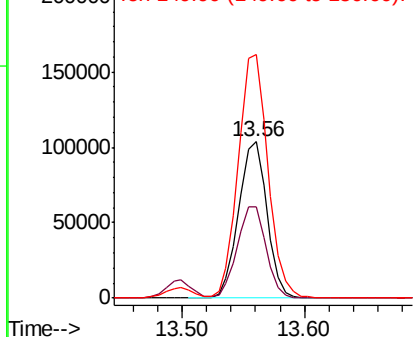


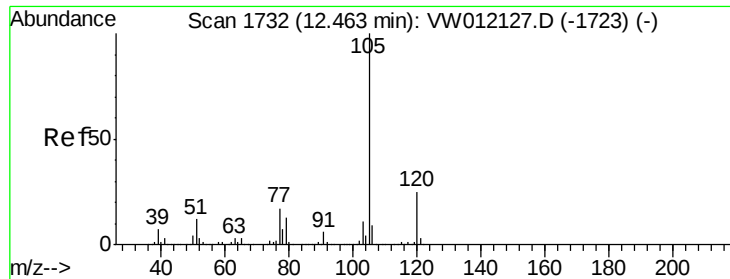
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:152 Resp: 166751
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 162.9 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

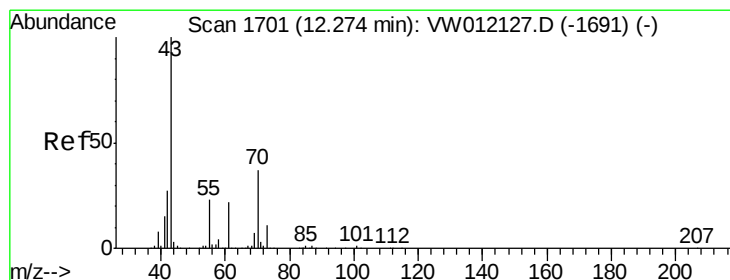
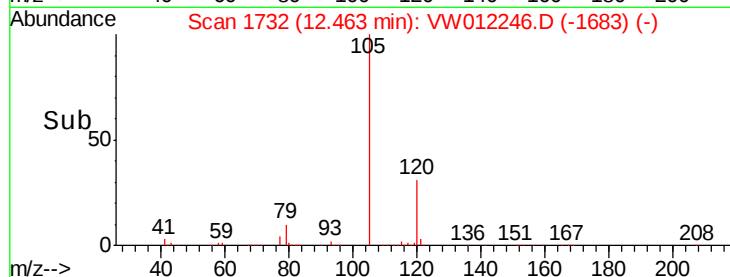
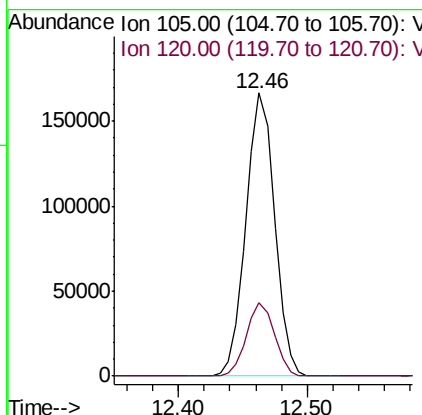
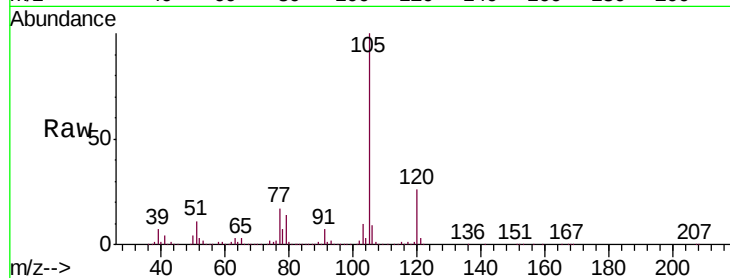




#73
Isopropylbenzene
Concen: 20.494 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

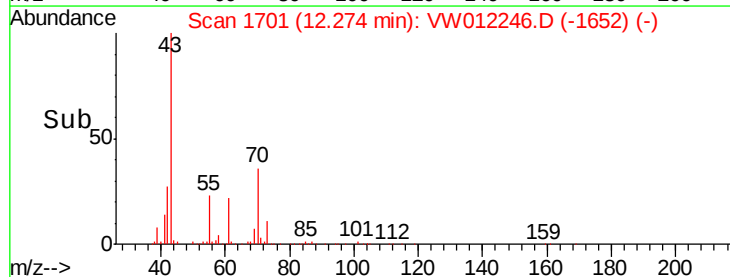
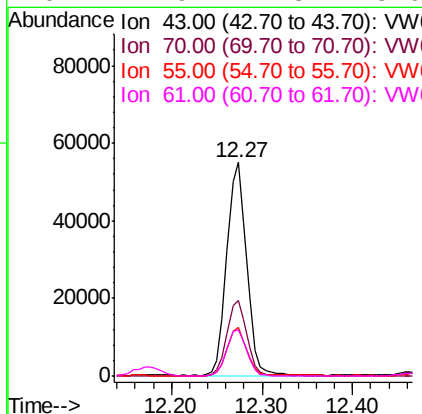
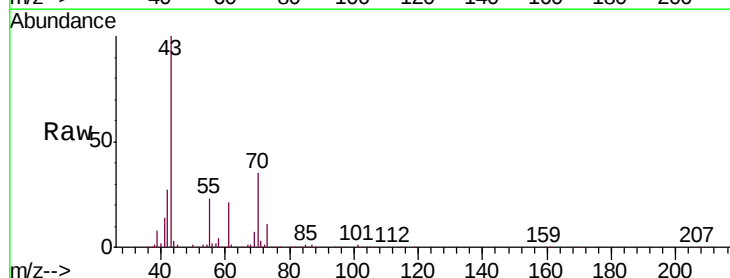
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:105 Resp: 256071
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5



#74
N-ethyl acetate
Concen: 22.284 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 43 Resp: 84122
Ion Ratio Lower Upper
43 100
70 35.5 28.6 43.0
55 22.4 17.8 26.6
61 21.9 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.060 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

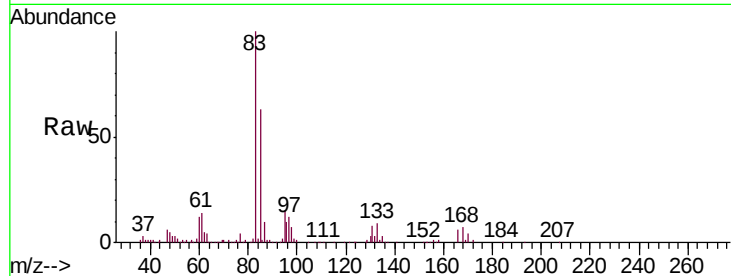
Tot Ion: 83 Resp: 48242

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

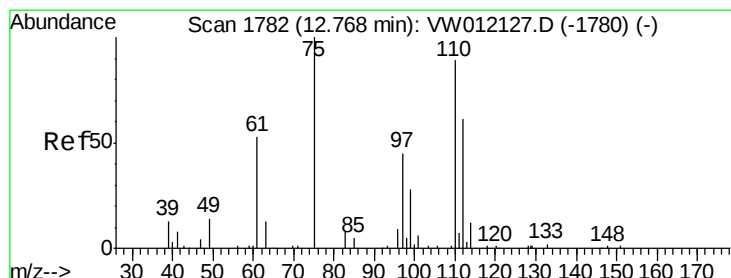
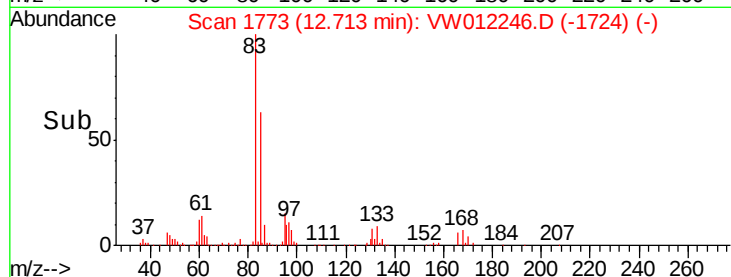
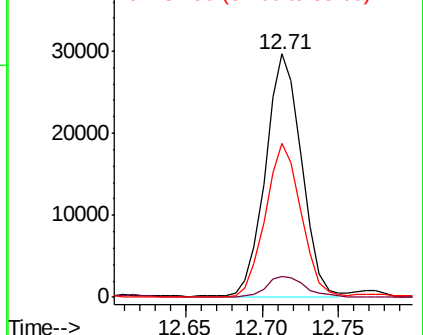
85 63.5 31.9 95.7



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: 38.633 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012246.D

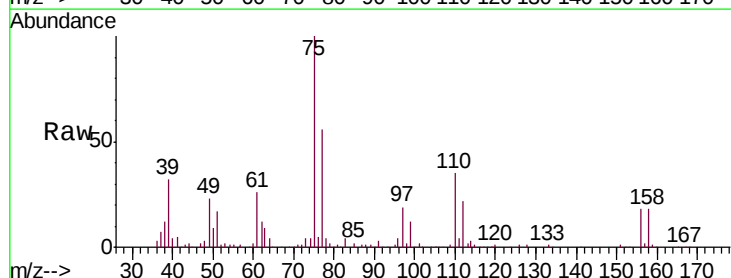
Acq: 28 Aug 2019 11:48

Tgt Ion: 75 Resp: 62741

Ion Ratio Lower Upper

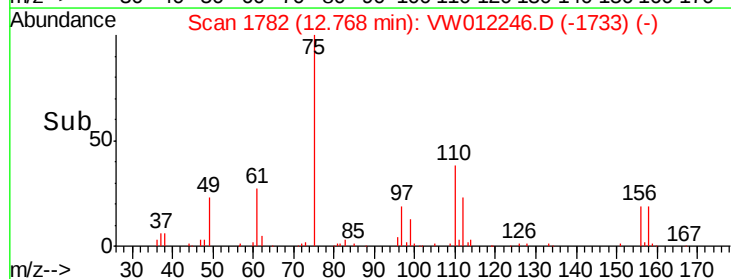
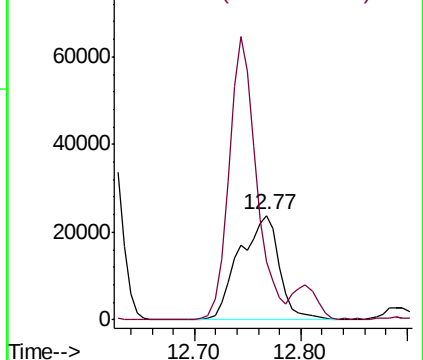
75 100

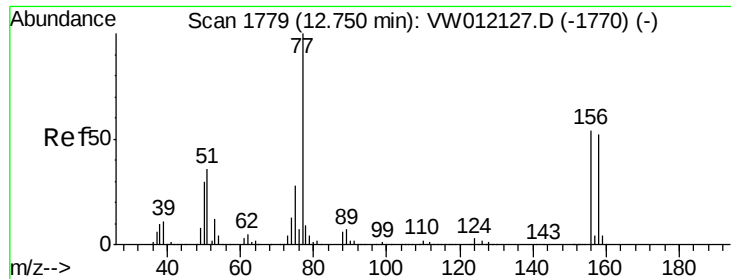
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

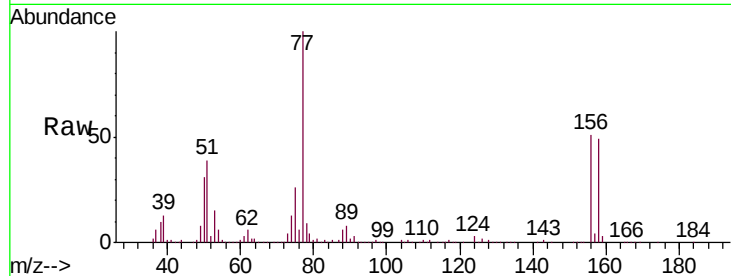
Tot Ion:156 Resp: 54655

Ion Ratio Lower Upper

156 100

77 213.6 107.3 321.8

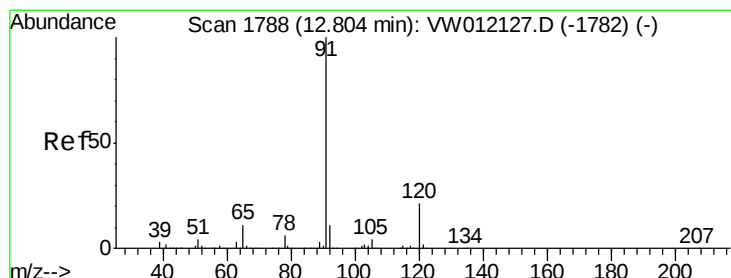
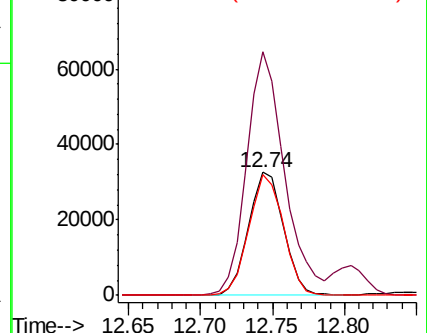
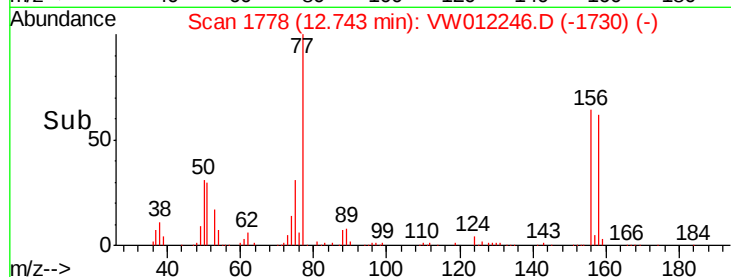
158 96.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.356 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012246.D

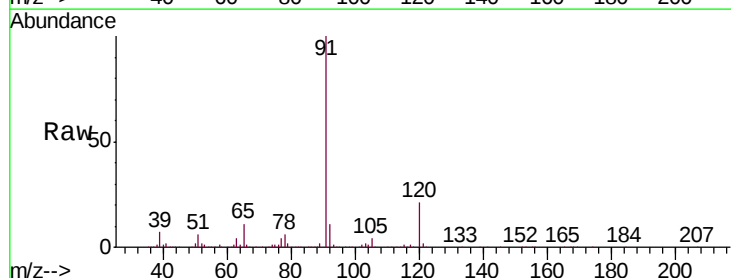
Acq: 28 Aug 2019 11:48

Tgt Ion: 91 Resp: 310511

Ion Ratio Lower Upper

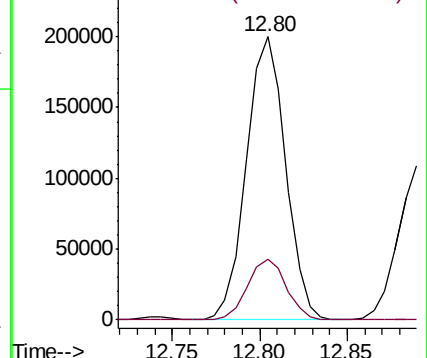
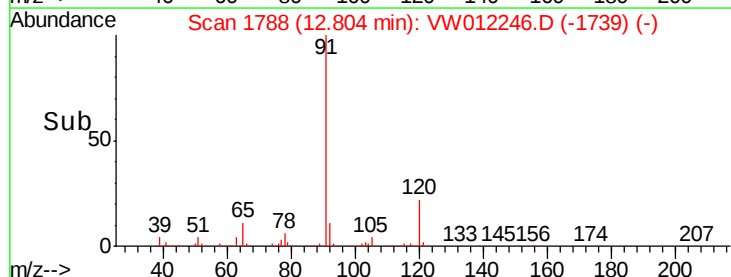
91 100

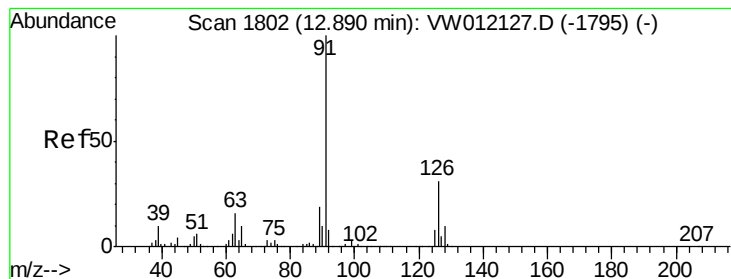
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.104 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

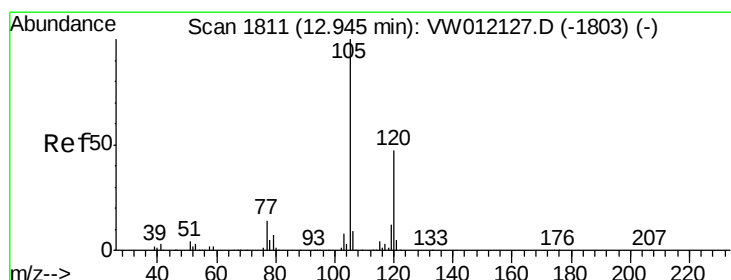
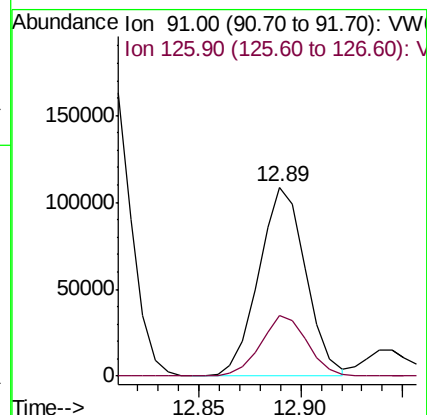
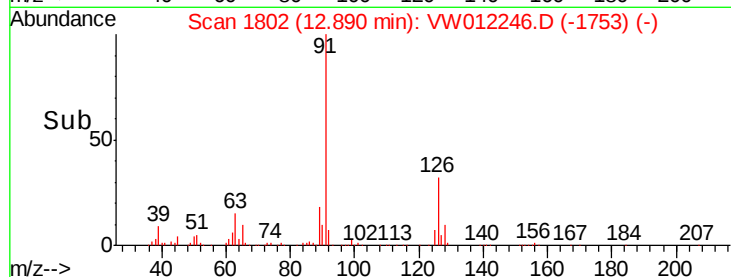
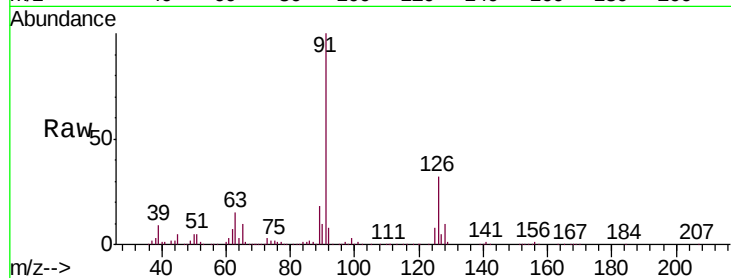
ClientSampleId :

Tot Ion: 91 Resp: 174101

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 20.497 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012246.D

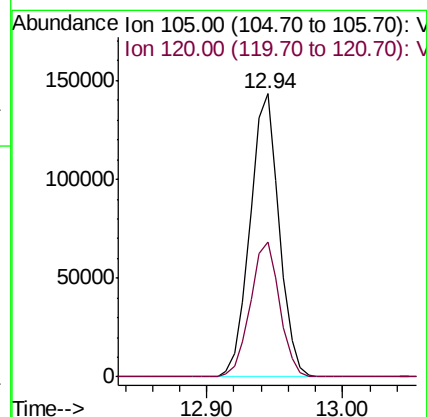
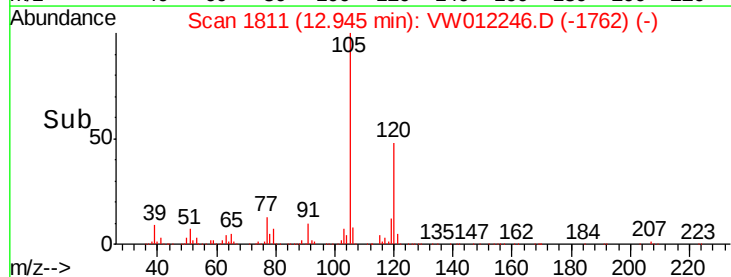
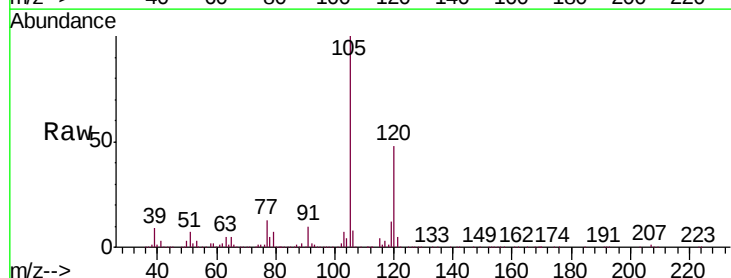
Acq: 28 Aug 2019 11:48

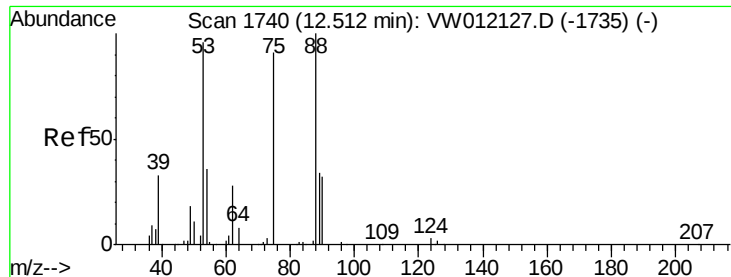
Tgt Ion:105 Resp: 213998

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.588 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampled :

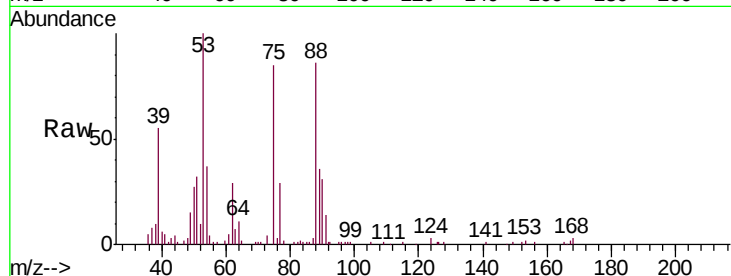
Tot Ion: 75 Resp: 15250

Ion Ratio Lower Upper

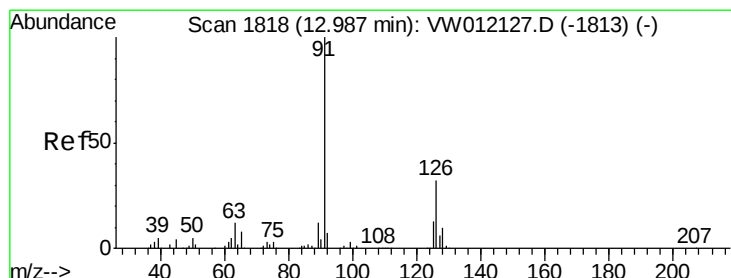
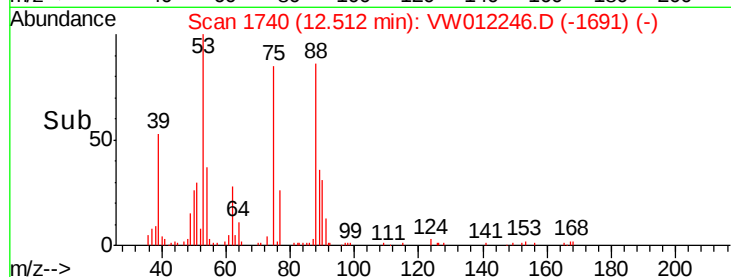
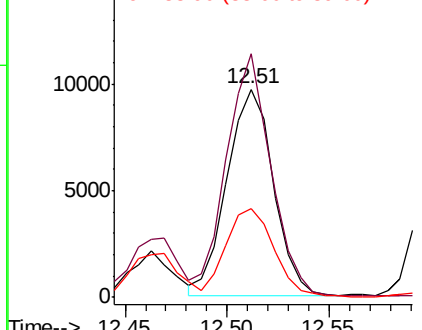
75 100

53 113.8 89.4 134.0

89 44.9 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.041 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012246.D

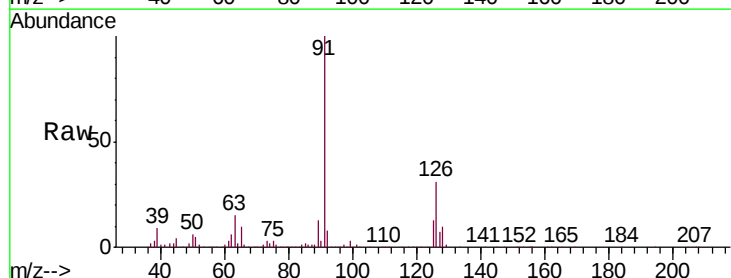
Acq: 28 Aug 2019 11:48

Tgt Ion: 91 Resp: 181727

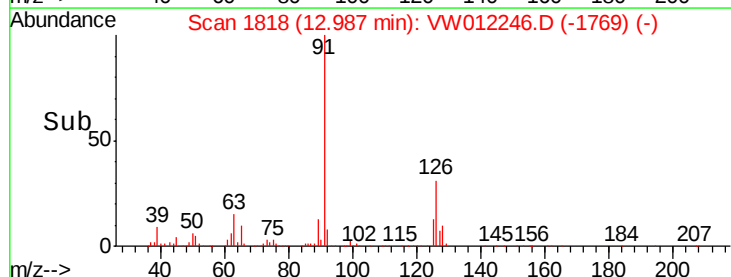
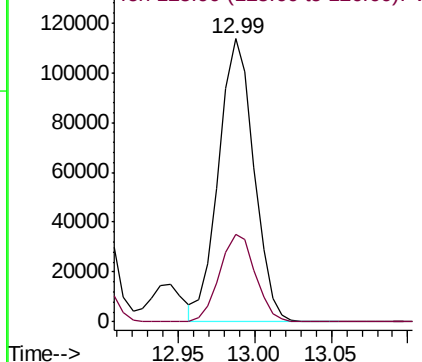
Ion Ratio Lower Upper

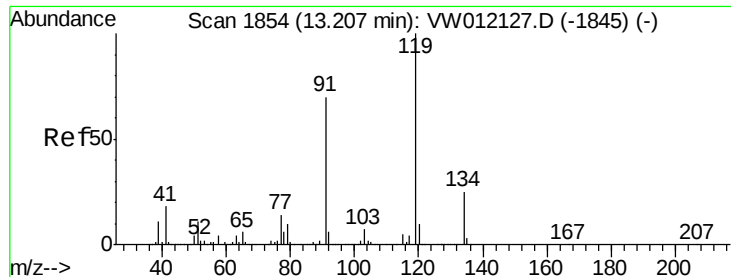
91 100

126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

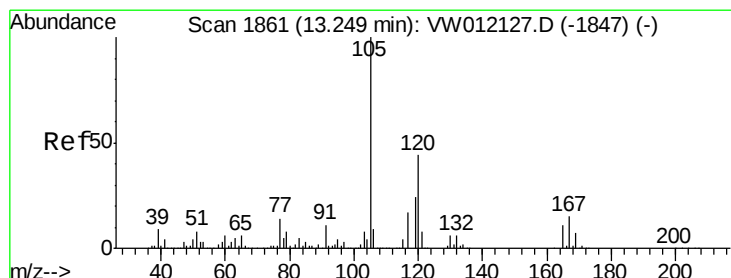
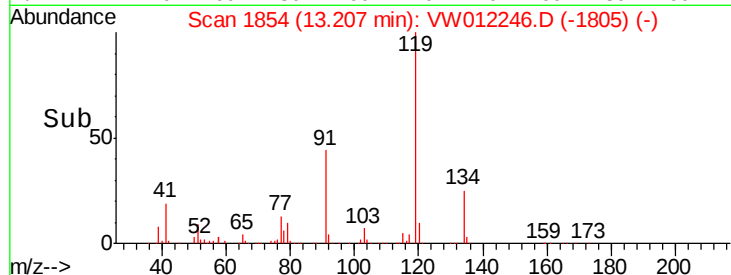
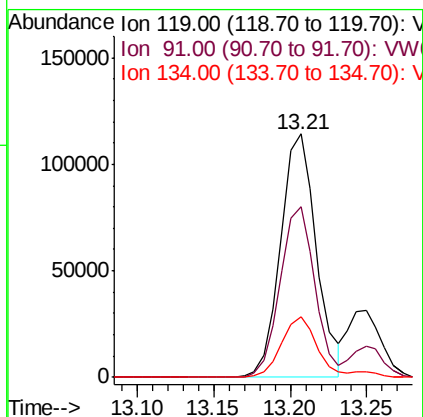
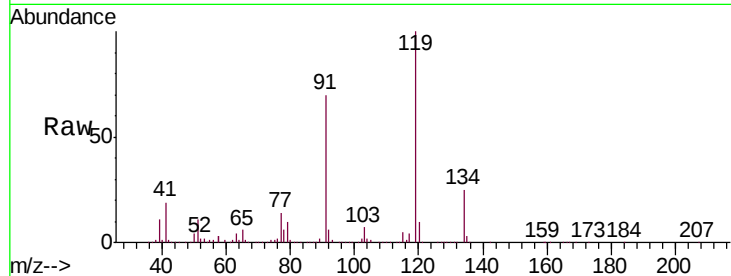




#83
tert-Butylbenzene
Concen: 20.977 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

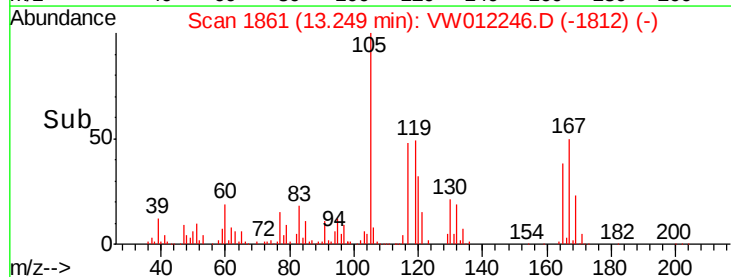
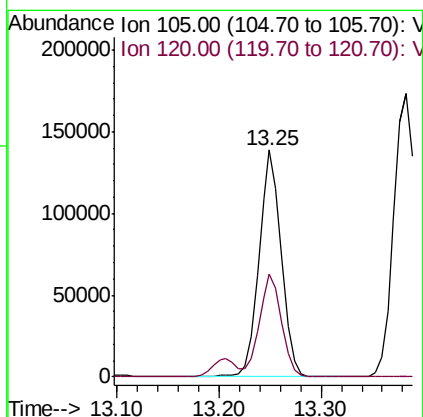
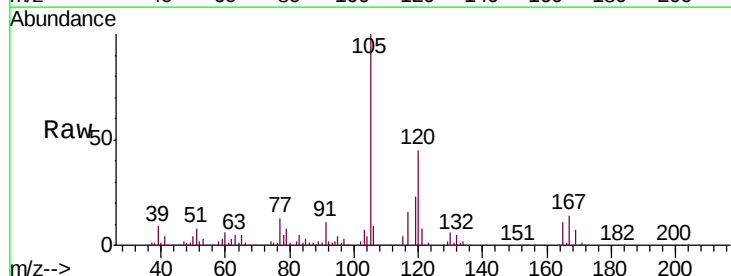
Instrument :
MSVOA_W
ClientSampled :

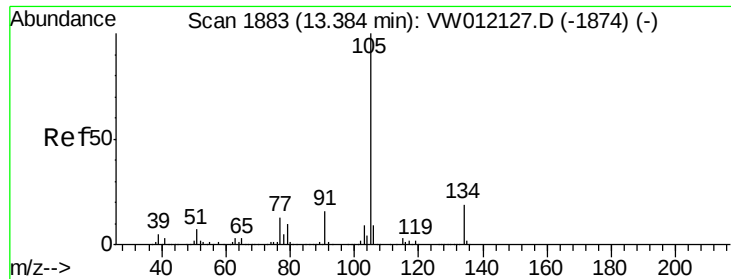
Tot Ion:119 Resp: 185522
Ion Ratio Lower Upper
119 100
91 68.2 34.8 104.3
134 24.5 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.139 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:105 Resp: 211218
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

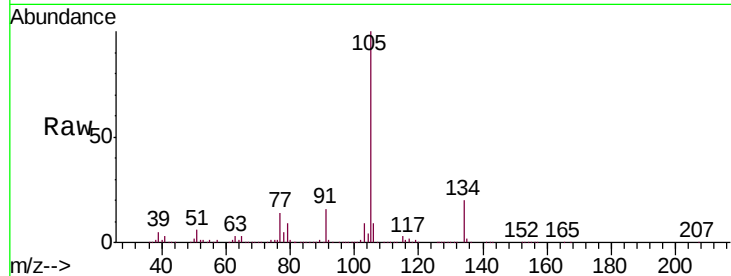
ClientSampleId :

Tot Ion:105 Resp: 264009

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

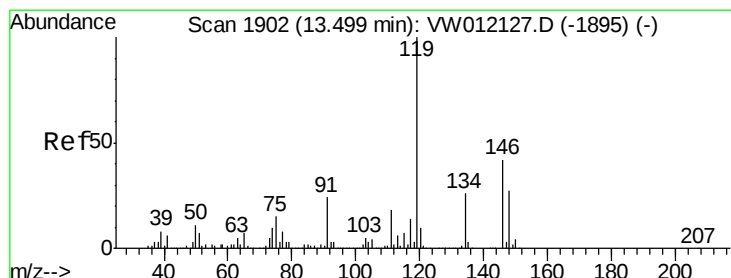
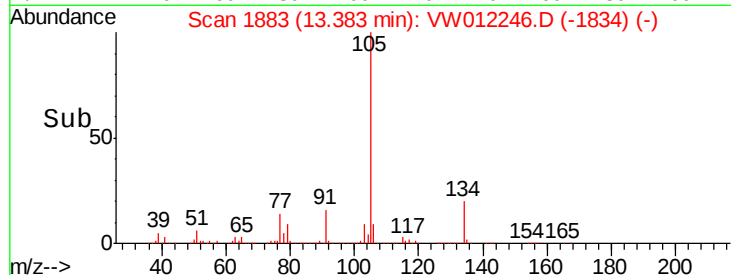
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.817 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

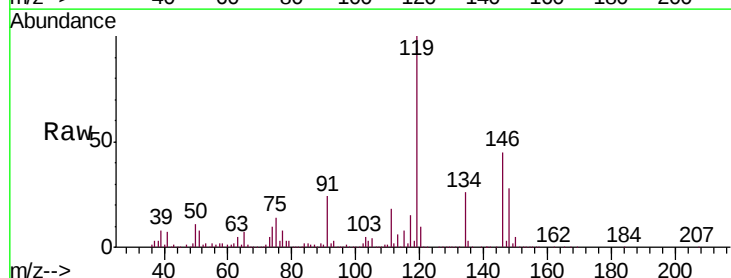
Tgt Ion:119 Resp: 235561

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

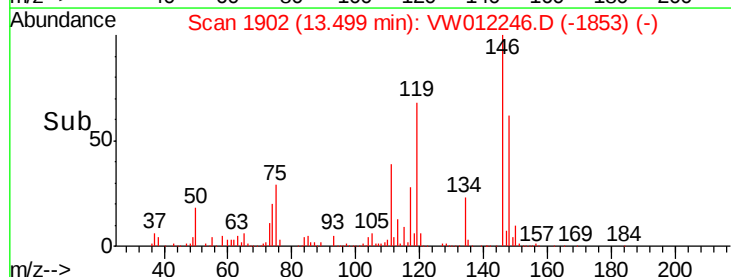
150000

100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.360 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012246.D

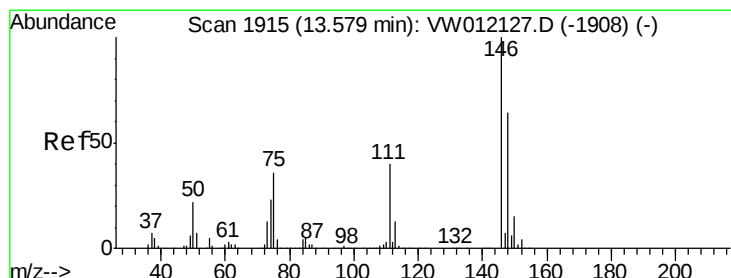
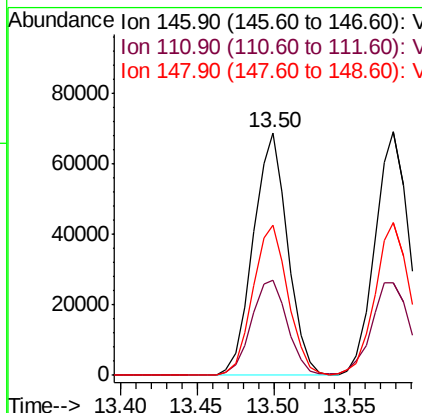
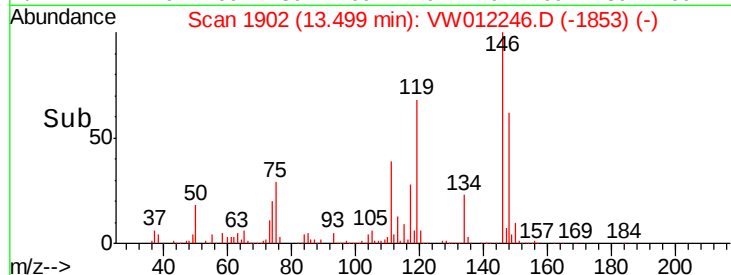
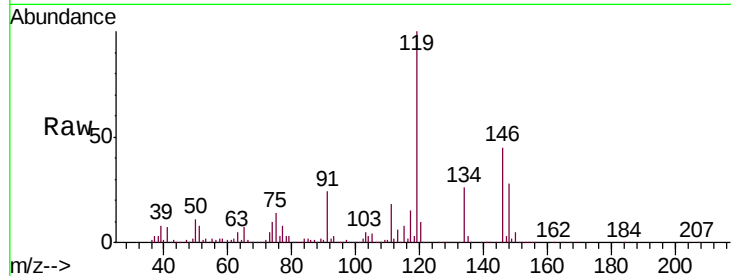
Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146	Resp:	107647
Ion Ratio	Lower	Upper
146	100	
111	41.1	20.9 62.7
148	63.3	32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 20.503 ug/l

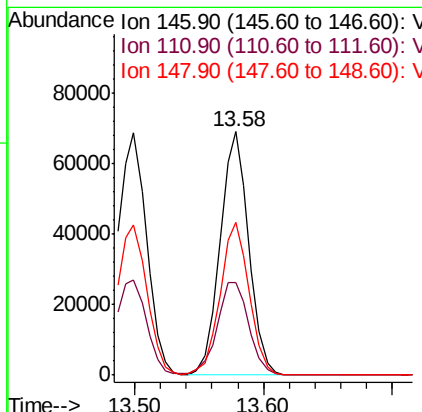
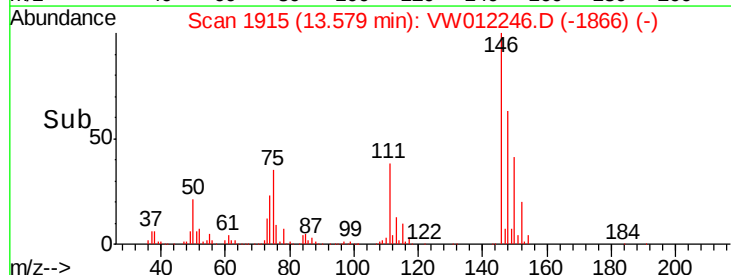
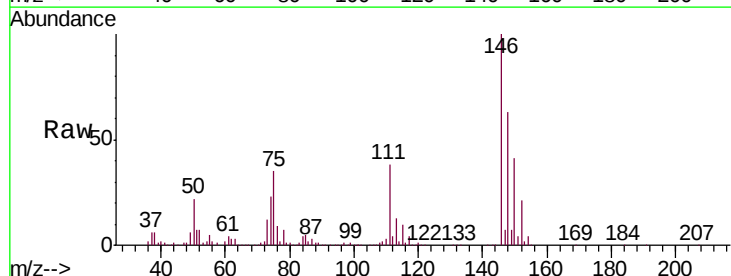
RT: 13.58 min Scan# 1915

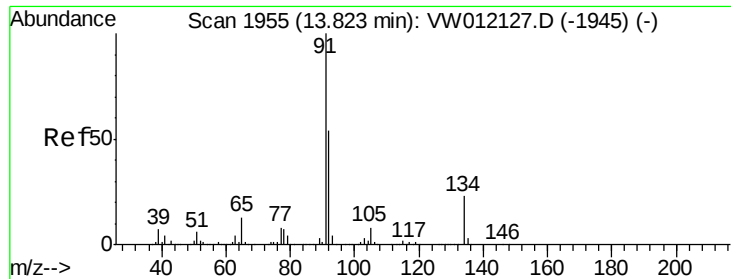
Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion:146	Resp:	107638
Ion Ratio	Lower	Upper
146	100	
111	42.4	20.0 60.0
148	63.7	32.1 96.3





#89

n-Butylbenzene

Concen: 21.091 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampled :

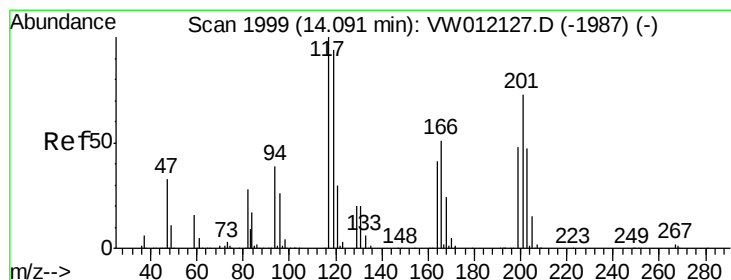
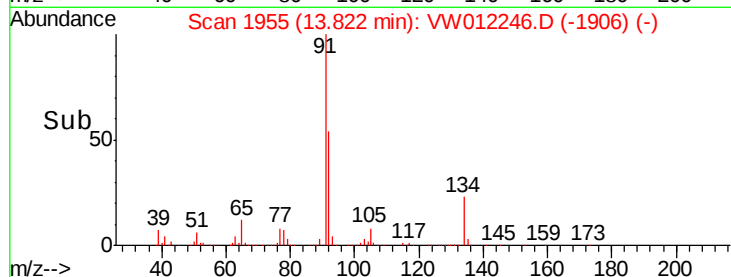
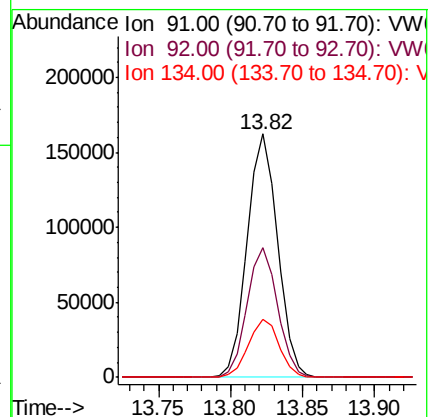
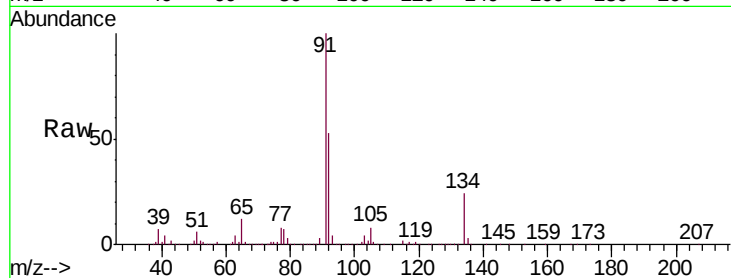
Tot Ion: 91 Resp: 237330

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.2

134 24.3 12.2 36.4



#90

Hexachloroethane

Concen: 19.854 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012246.D

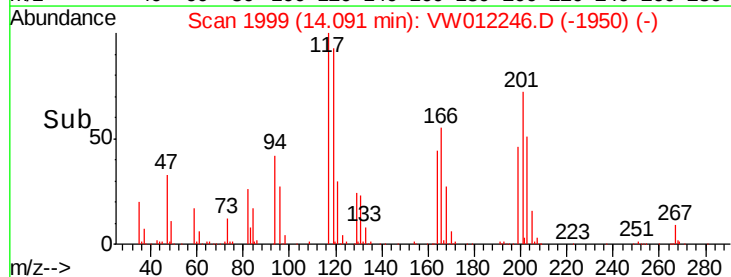
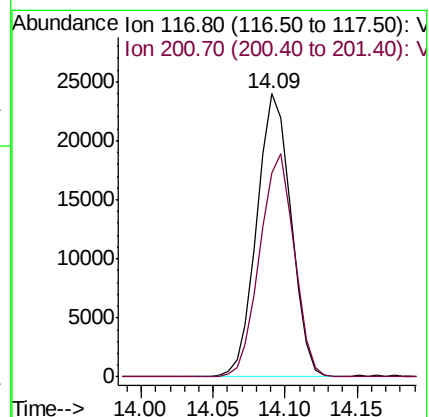
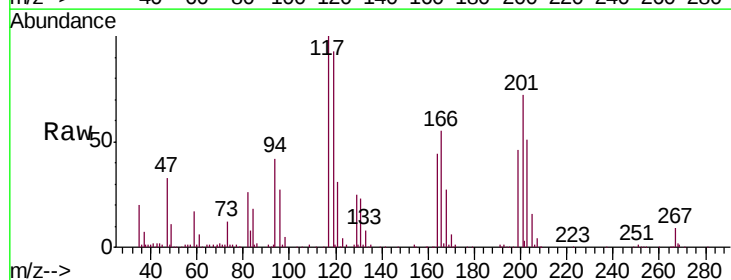
Acq: 28 Aug 2019 11:48

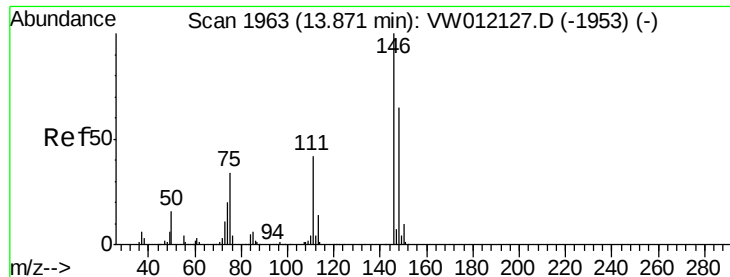
Tgt Ion: 117 Resp: 39416

Ion Ratio Lower Upper

117 100

201 79.2 38.6 115.7

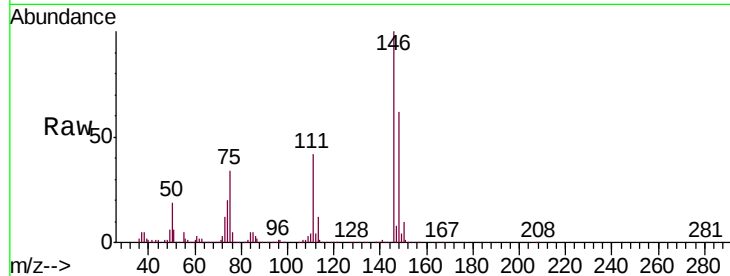




#91
 1,2-Dichlorobenzene
 Concen: 21.023 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	62.3	32.5	97.4

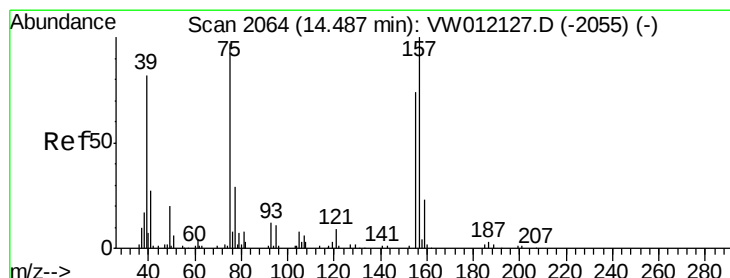
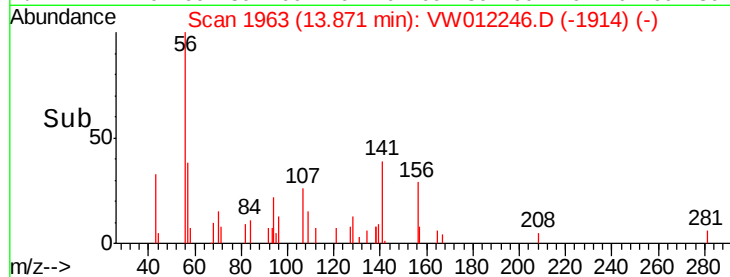
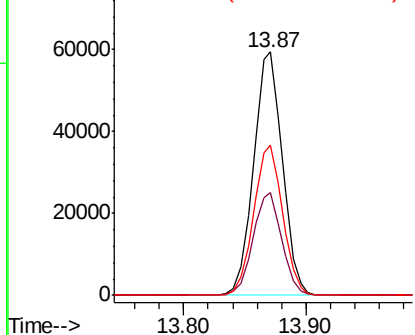


Abundance

Ion 145.90 (145.60 to 146.60): V

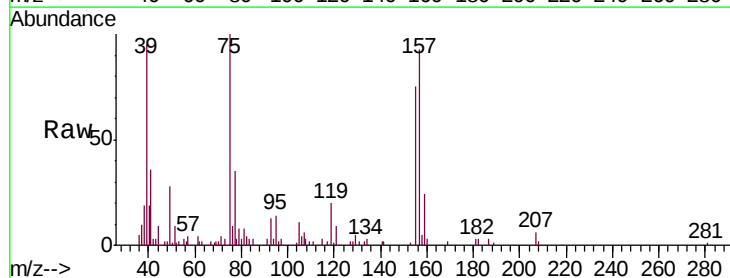
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.843 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	37.5	112.3
157	96.1	50.5	151.5

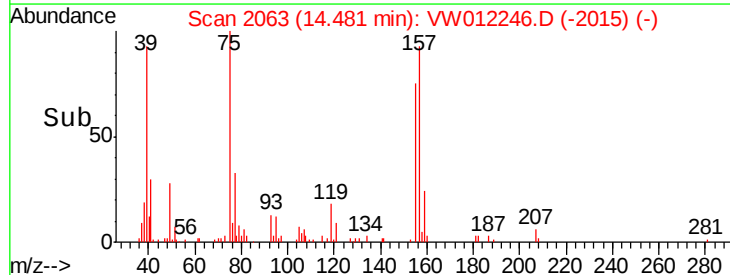
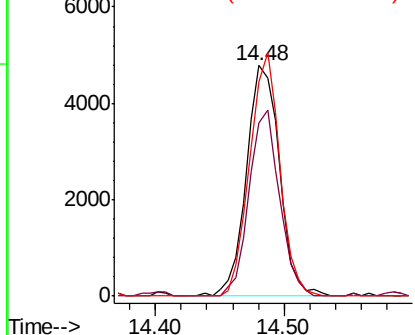


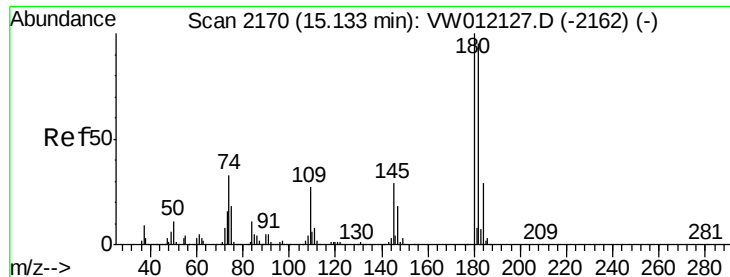
Abundance

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

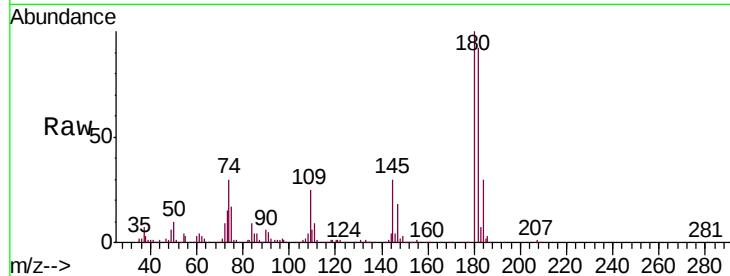




#93
 1,2,4-Trichlorobenzene
 Concen: 22.278 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.4
145	30.7	15.0	45.1

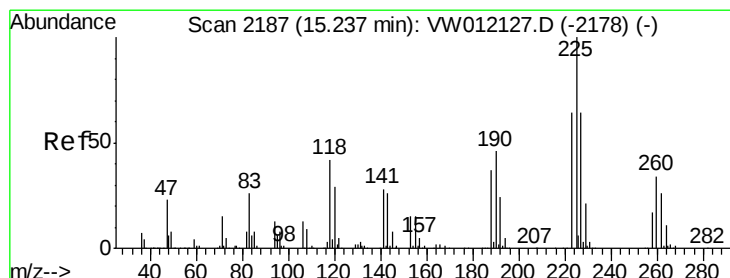
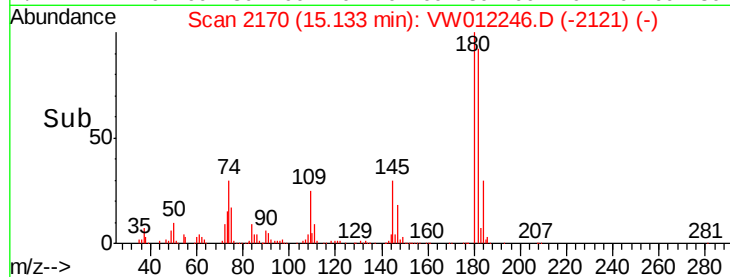
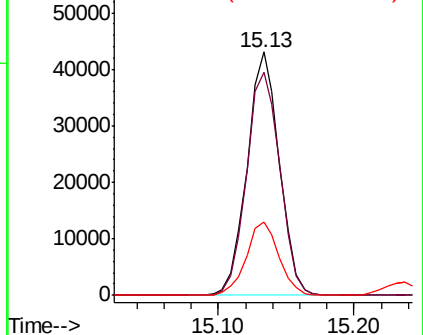


Abundance

Ion 179.80 (179.50 to 180.50): V

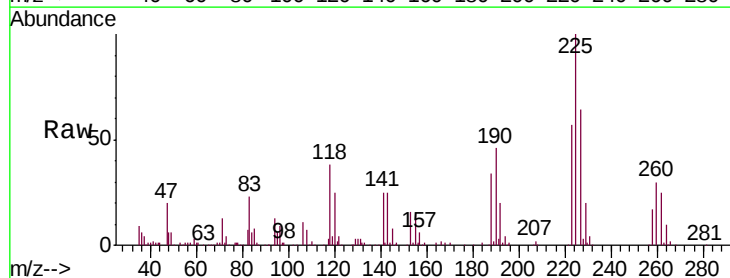
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.524 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.3	96.8
227	65.2	32.9	98.6

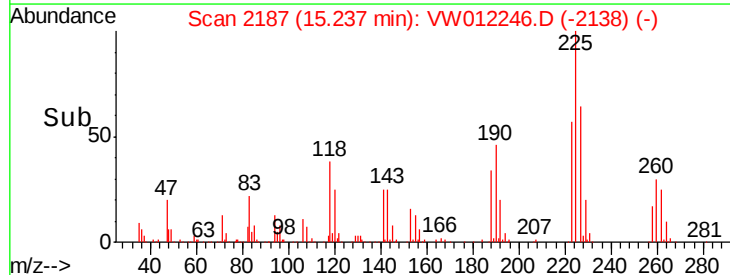
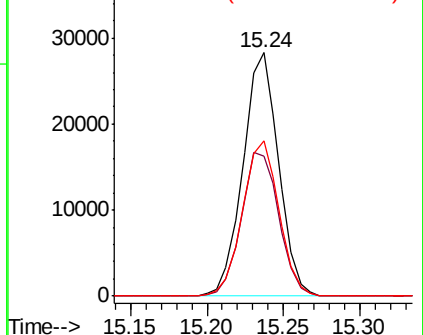


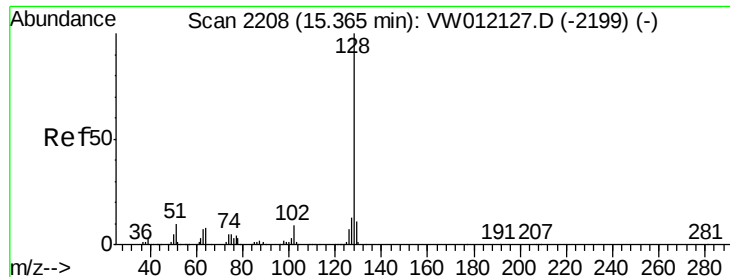
Abundance

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

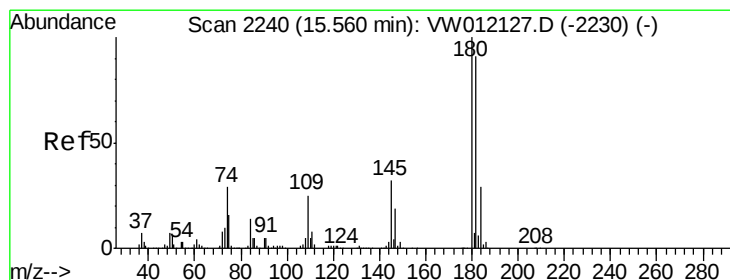
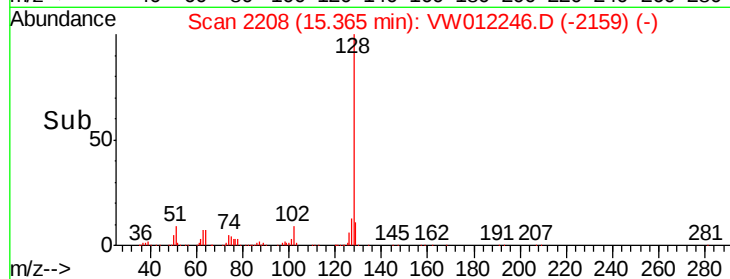
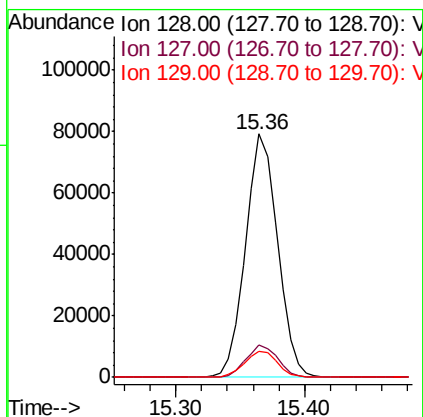
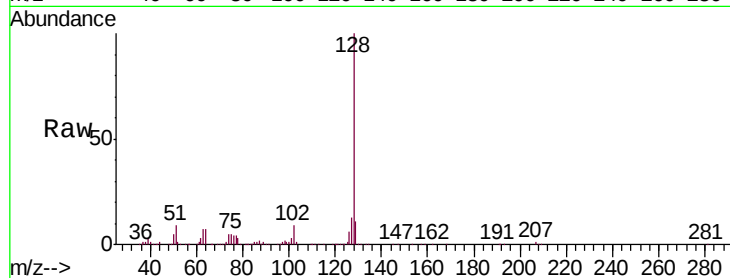




#95
Naphthalene
Concen: 24.024 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 135648
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.413 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:180 Resp: 62679
Ion Ratio Lower Upper
180 100
182 93.4 47.1 141.3
145 31.7 16.2 48.5

