

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012386.D
 Acq On : 31 Aug 2019 08:05
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 11:14:08 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	163548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	274318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120896	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	108948	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	7.88	113	84517	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.32	98	328385	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	117077	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	49018	48.676	ug/l	98
3) Chloromethane	2.21	50	88228	56.550	ug/l	97
4) Vinyl Chloride	2.36	62	101278	53.037	ug/l	99
5) Bromomethane	2.79	94	2920	3.019	ug/l	99
6) Chloroethane	2.89	64	59684	55.405	ug/l	97
7) Trichlorofluoromethane	3.25	101	47576	49.617	ug/l	98
8) Diethyl Ether	3.68	74	51623	56.720	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	84777	52.015	ug/l	98
10) Methyl Iodide	4.26	142	124432	56.425	ug/l	99
11) Tert butyl alcohol	5.17	59	38931	332.743	ug/l	100
12) 1,1-Dichloroethene	4.04	96	86533	52.749	ug/l	95
13) Acrolein	3.89	56	23480	213.194	ug/l	100
14) Allyl chloride	4.66	41	192322	54.838	ug/l	99
15) Acrylonitrile	5.36	53	144518	320.353	ug/l	100
16) Acetone	4.12	43	129803	261.186	ug/l	99
17) Carbon Disulfide	4.37	76	249803	50.386	ug/l	99
18) Methyl Acetate	4.66	43	85824	69.724	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	163339	61.570	ug/l	100
20) Methylene Chloride	4.91	84	106608	56.744	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	96160	54.663	ug/l	99
22) Diisopropyl ether	6.31	45	386507	59.456	ug/l	98
23) Vinyl Acetate	6.25	43	1146961	286.696	ug/l	100
24) 1,1-Dichloroethane	6.21	63	201386	56.897	ug/l	100
25) 2-Butanone	7.17	43	200105	296.306	ug/l	100
26) 2,2-Dichloropropane	7.17	77	92084	45.964	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	106352	56.585	ug/l	99
28) Bromochloromethane	7.51	49	92284	59.820	ug/l	98
29) Tetrahydrofuran	7.52	42	134061	330.876	ug/l	100
30) Chloroform	7.67	83	187418	57.876	ug/l	98
31) Cyclohexane	7.95	56	164940	47.100	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	144201	56.290	ug/l	100
36) 1,1-Dichloropropene	8.08	75	143879	50.755	ug/l	100
37) Ethyl Acetate	7.25	43	90371	58.176	ug/l	100
38) Carbon Tetrachloride	8.07	117	128253	52.272	ug/l	99

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 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)
39) Methylcyclohexane	9.34	83	150806	47.354	ug/l	99
40) Benzene	8.32	78	412442	53.284	ug/l	99
41) Methacrylonitrile	7.48	41	56929	62.354	ug/l	96
42) 1,2-Dichloroethane	8.40	62	142376	58.689	ug/l	99
43) Isopropyl Acetate	8.42	43	168049	58.403	ug/l	100
44) Trichloroethene	9.09	130	98695	52.450	ug/l	95
45) 1,2-Dichloropropane	9.37	63	113812	54.633	ug/l	98
46) Dibromomethane	9.46	93	53448	57.664	ug/l	100
47) Bromodichloromethane	9.64	83	139131	56.401	ug/l	99
48) Methyl methacrylate	9.43	41	83587	61.035	ug/l	96
49) 1,4-Dioxane	9.45	88	18124	1277.286	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	452957	309.496	ug/l	99
52) Toluene	10.38	92	253635	54.544	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	138233	55.012	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	160709	52.969	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75533	57.597	ug/l	97
56) Ethyl methacrylate	10.65	69	112368	58.873	ug/l	98
57) 1,3-Dichloropropane	10.93	76	142041	57.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	305636	312.014	ug/l	100
59) 2-Hexanone	10.97	43	307568	297.011	ug/l	99
60) Dibromochloromethane	11.13	129	85135	58.284	ug/l	99
61) 1,2-Dibromoethane	11.23	107	70916	58.045	ug/l	99
64) Tetrachloroethene	10.86	164	92463	58.983	ug/l	99
65) Chlorobenzene	11.66	112	252466	53.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91661	55.186	ug/l	99
67) Ethyl Benzene	11.73	91	489354	53.356	ug/l	100
68) m/p-Xylenes	11.84	106	353551	107.018	ug/l	99
69) o-Xylene	12.16	106	165002	53.964	ug/l	98
70) Styrene	12.18	104	292279	55.225	ug/l	99
71) Bromoform	12.35	173	48617	58.749	ug/l #	100
73) Isopropylbenzene	12.46	105	460484	50.832	ug/l	99
74) N-amyl acetate	12.27	43	154035	56.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	90525	54.508	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	119997	101.913	ug/l #	100
77) Bromobenzene	12.74	156	102712	52.409	ug/l	99
78) n-propylbenzene	12.80	91	560659	50.697	ug/l	99
79) 2-Chlorotoluene	12.89	91	325653	51.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	397469	52.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	27126	50.512	ug/l	98
82) 4-Chlorotoluene	12.99	91	340960	51.863	ug/l	99
83) tert-Butylbenzene	13.21	119	334468	52.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	398618	52.423	ug/l	99
85) sec-Butylbenzene	13.38	105	464838	50.600	ug/l	99
86) p-Isopropyltoluene	13.50	119	423207	51.585	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	200511	52.308	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200702	52.731	ug/l	100
89) n-Butylbenzene	13.82	91	414289	50.781	ug/l	100
90) Hexachloroethane	14.09	117	74645	51.859	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	181106	53.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16567	59.172	ug/l	96

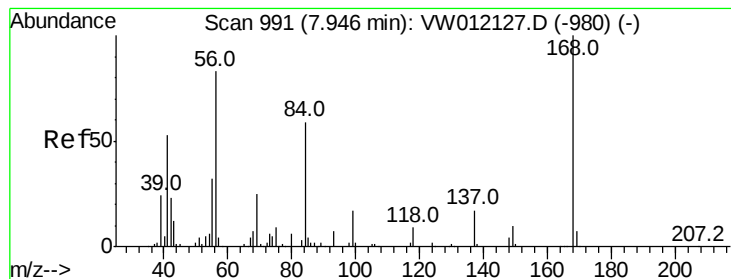
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	126852	54.586	ug/l	99
94) Hexachlorobutadiene	15.24	225	82986	54.081	ug/l	98
95) Naphthalene	15.36	128	245929	53.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	114410	56.428	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

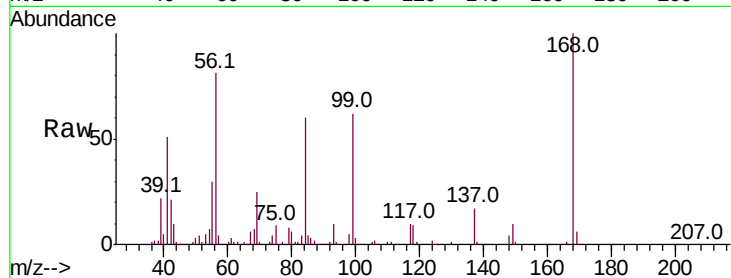
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 163548

Ion Ratio Lower Upper

168 100

99 61.8 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

80000

60000

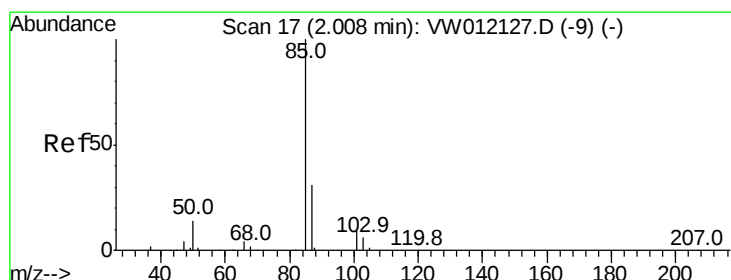
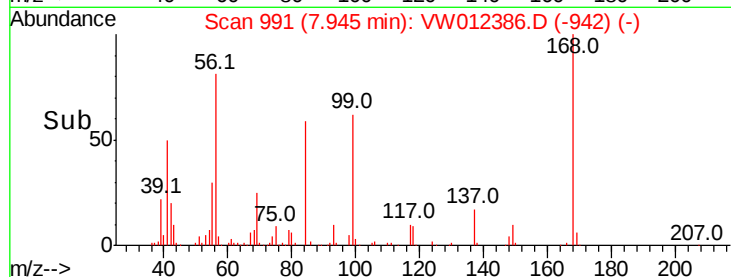
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.676 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012386.D

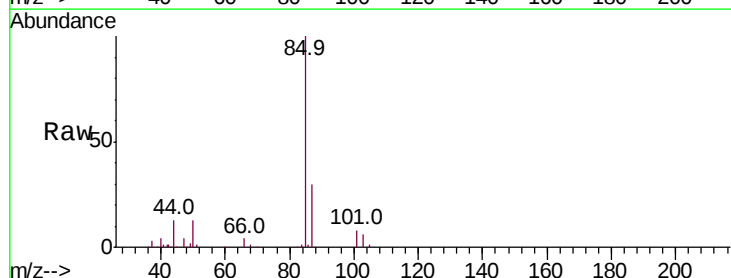
Acq: 31 Aug 2019 08:05

Tgt Ion: 85 Resp: 49018

Ion Ratio Lower Upper

85 100

87 30.3 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

20000

15000

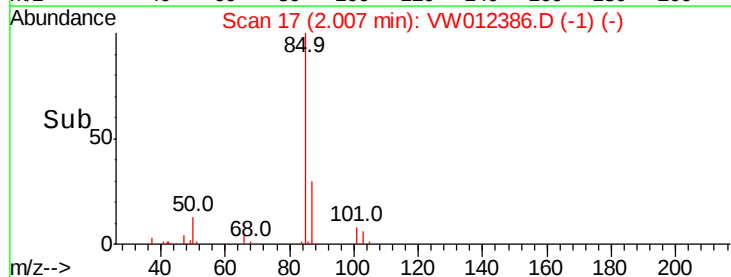
10000

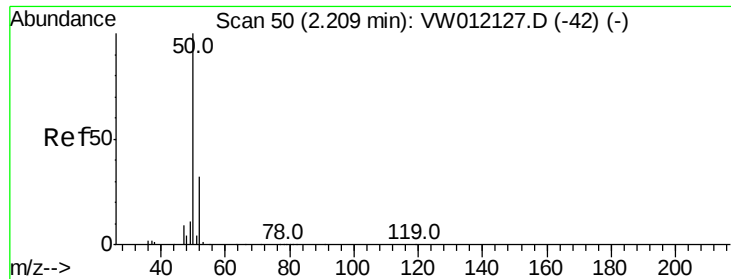
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 56.550 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

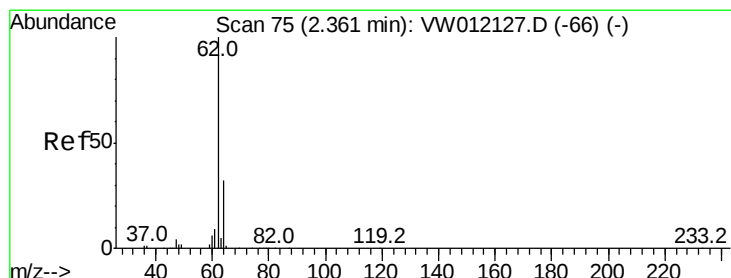
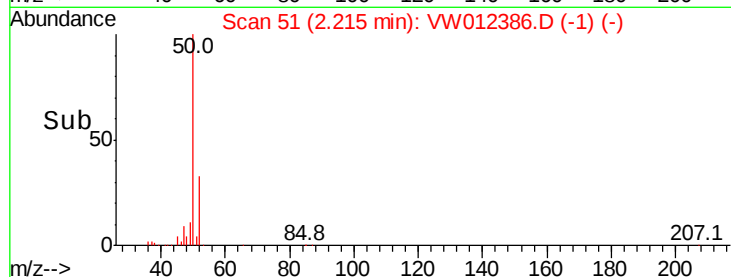
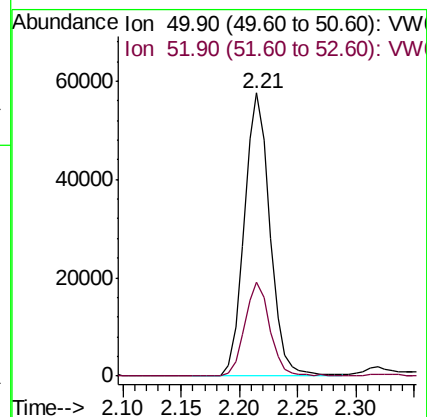
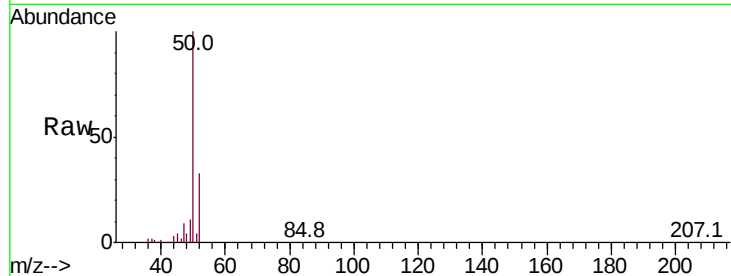
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 88228

Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3



#4

Vinyl Chloride

Concen: 53.037 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012386.D

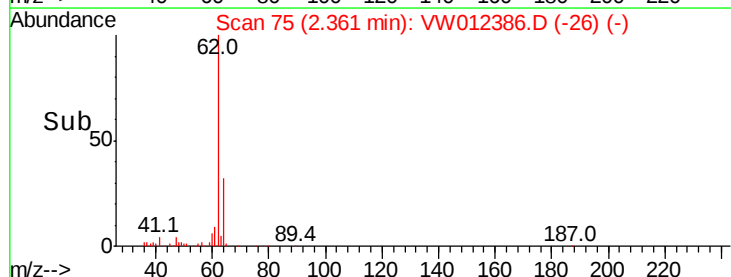
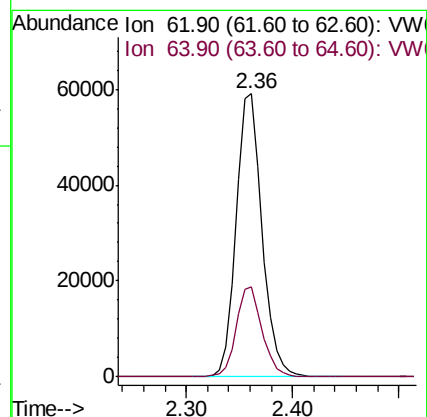
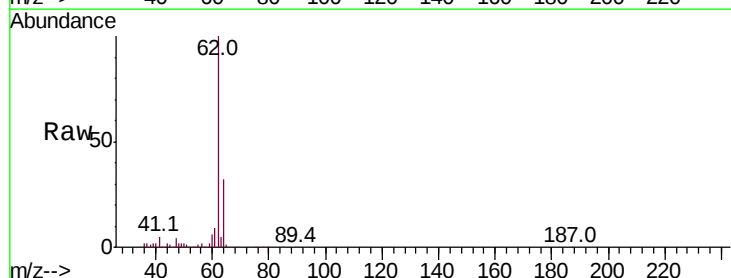
Acq: 31 Aug 2019 08:05

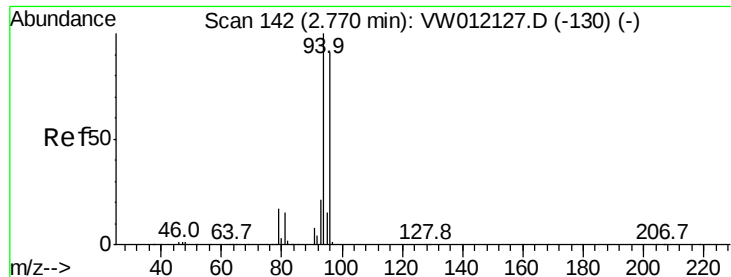
Tgt Ion: 62 Resp: 101278

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 3.019 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.02 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

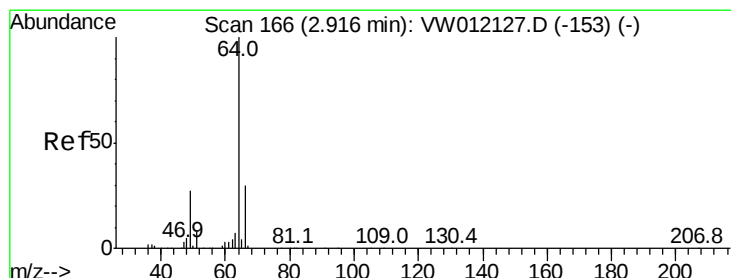
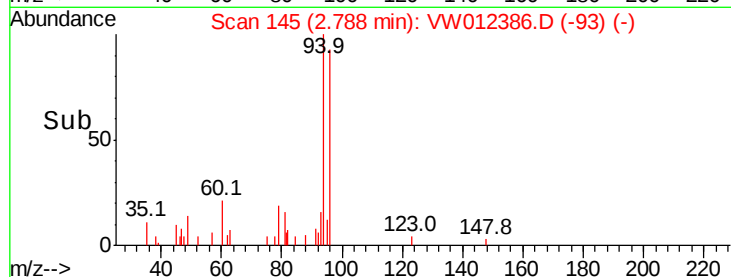
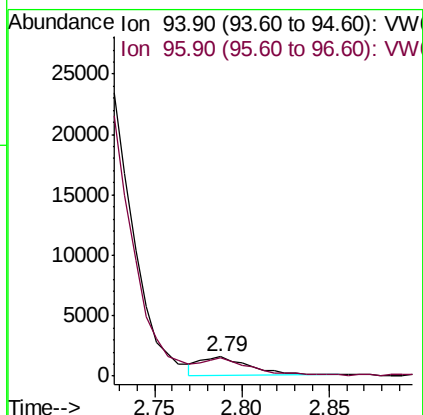
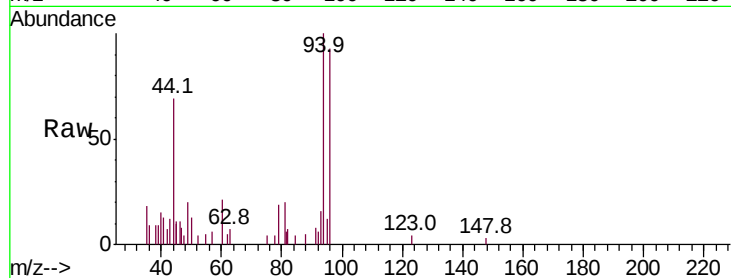
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 2920

Ion Ratio Lower Upper

94 100

96 90.1 72.9 109.3



#6

Chloroethane

Concen: 55.405 ug/l

RT: 2.89 min Scan# 161

Delta R.T. -0.03 min

Lab File: VW012386.D

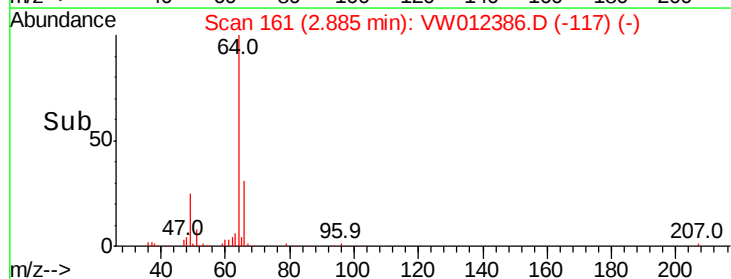
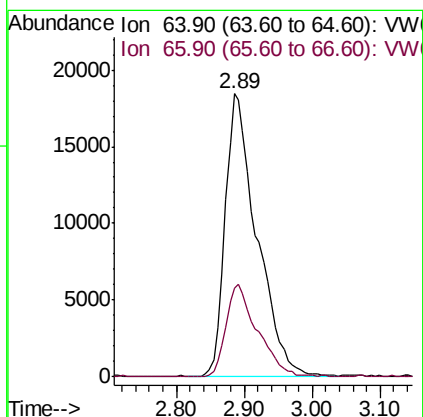
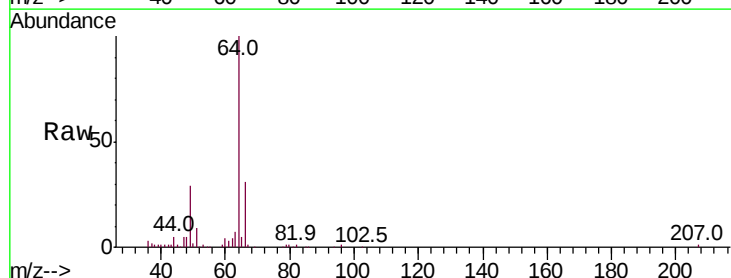
Acq: 31 Aug 2019 08:05

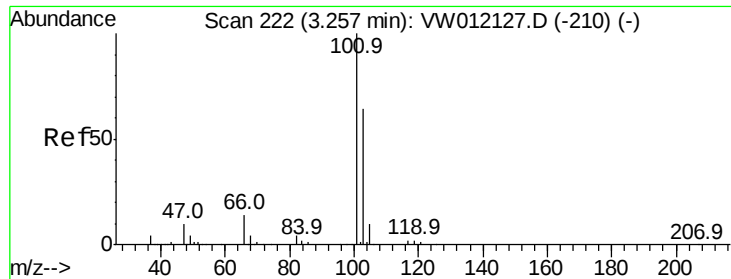
Tgt Ion: 64 Resp: 59684

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8



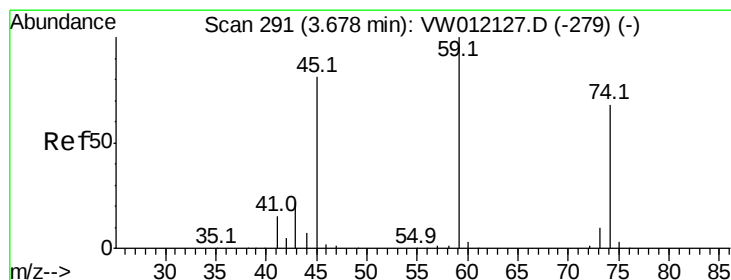
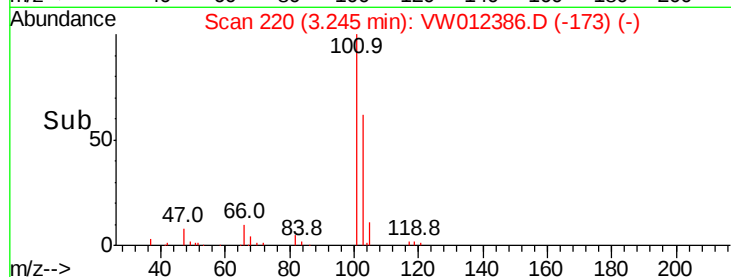
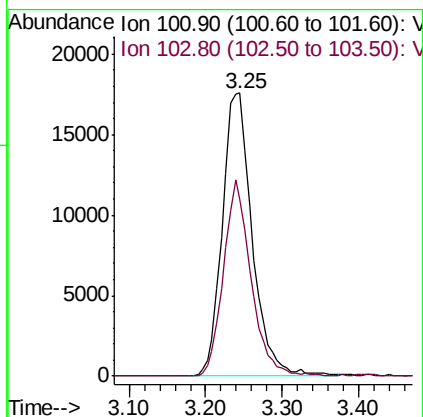
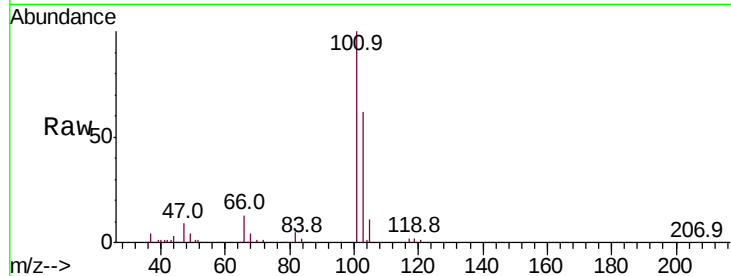


#7

Trichlorofluoromethane
 Concen: 49.617 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampled :

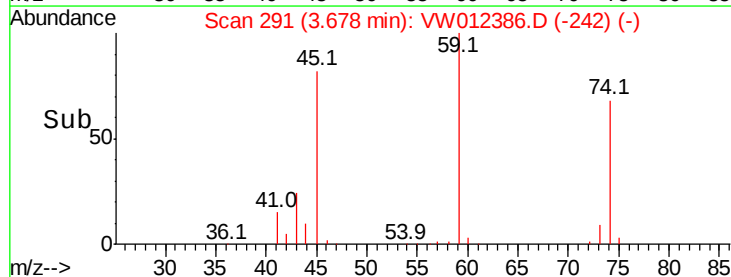
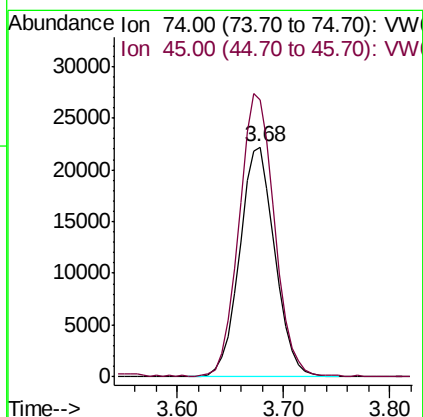
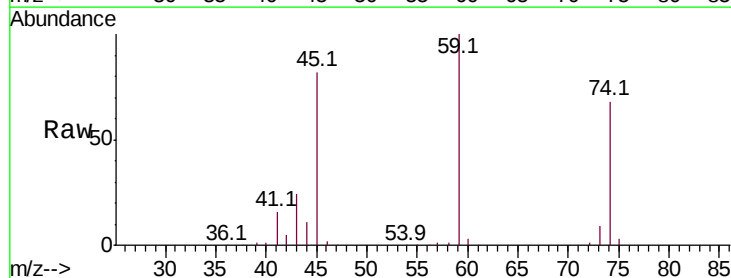
Tot Ion:101 Resp: 47576
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.2 76.8

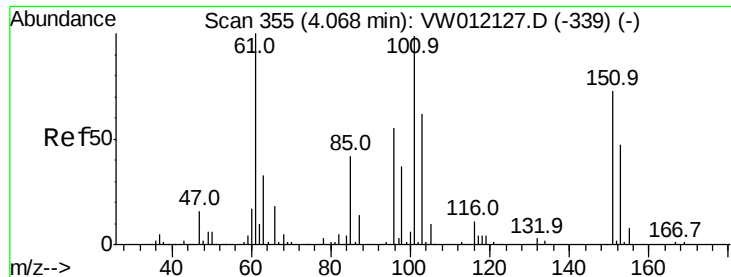


#8

Diethyl Ether
 Concen: 56.720 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion: 74 Resp: 51623
 Ion Ratio Lower Upper
 74 100
 45 123.3 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.015 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

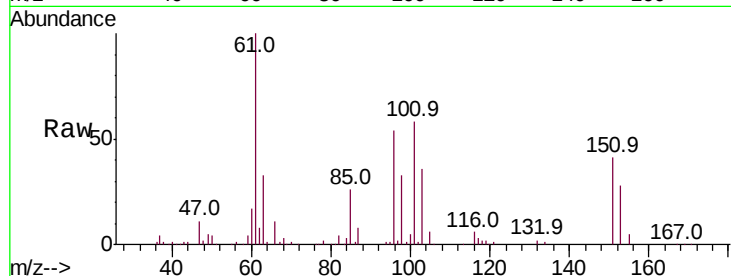
Tot Ion:101 Resp: 84777

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.6

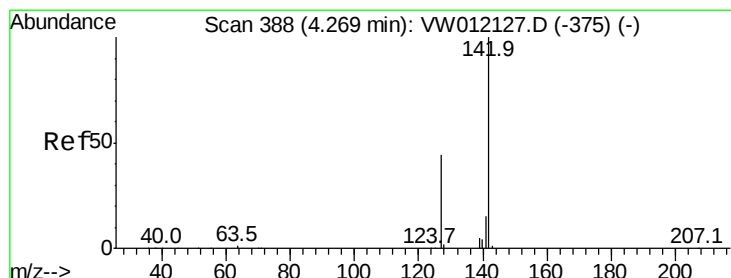
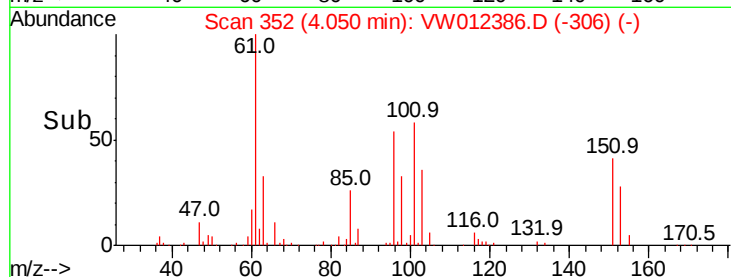
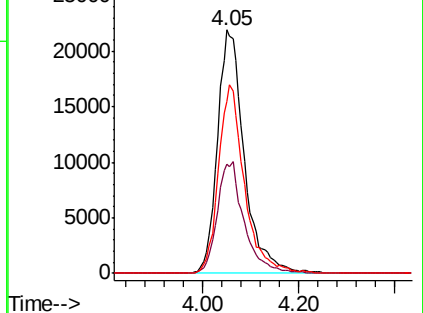
151 75.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.425 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

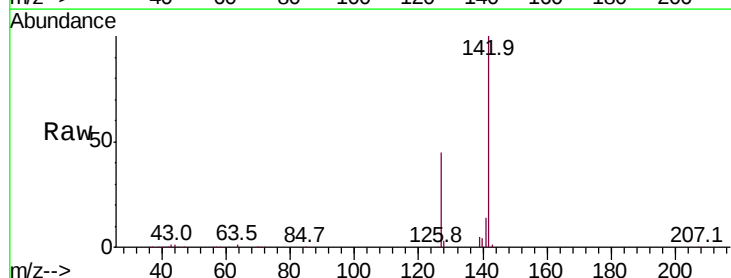
Tgt Ion:142 Resp: 124432

Ion Ratio Lower Upper

142 100

127 45.6 35.5 53.3

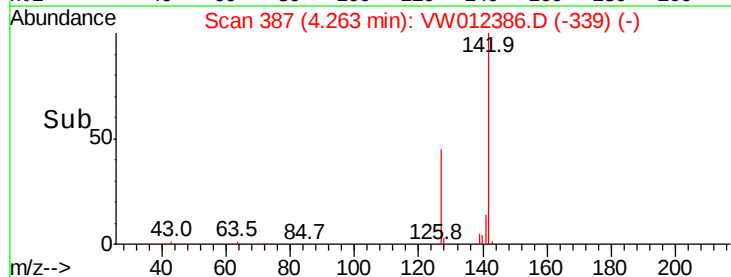
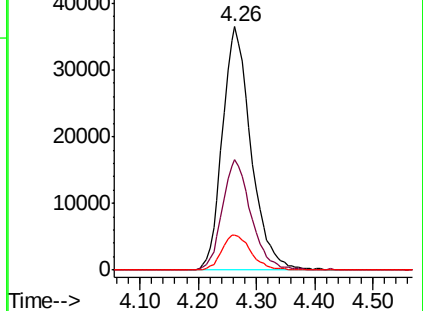
141 14.9 11.8 17.8

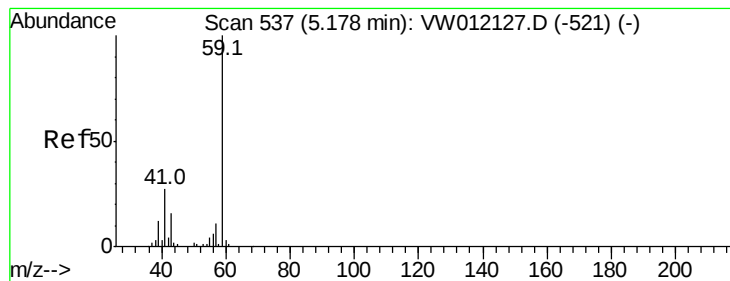


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



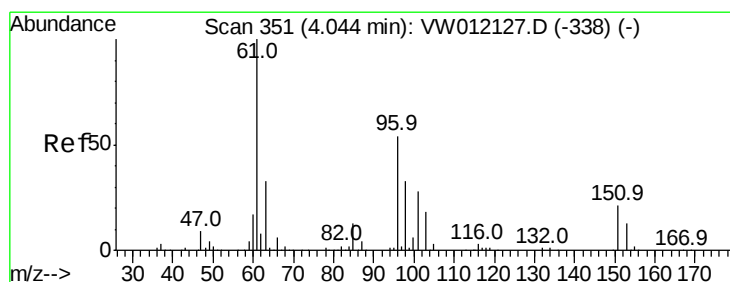
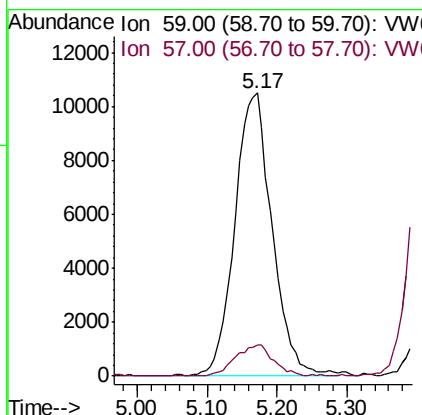
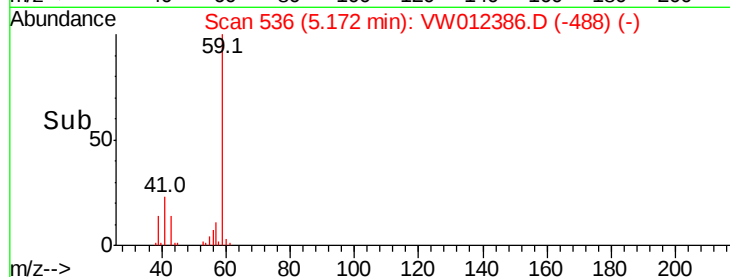
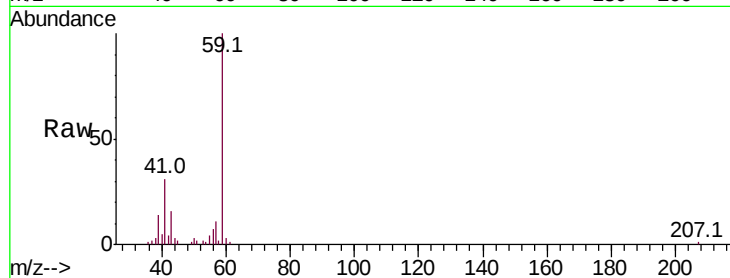


#11

Tert butyl alcohol
Concen: 332.743 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampled :

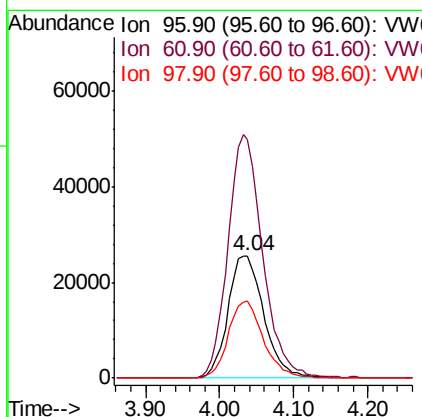
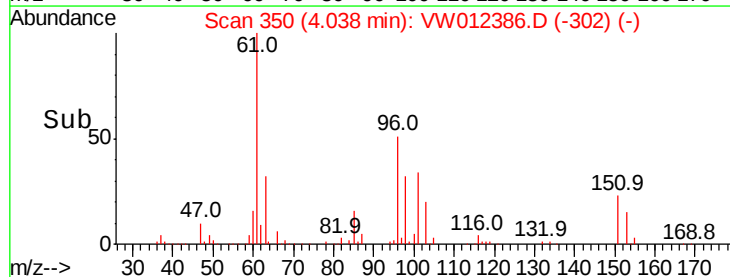
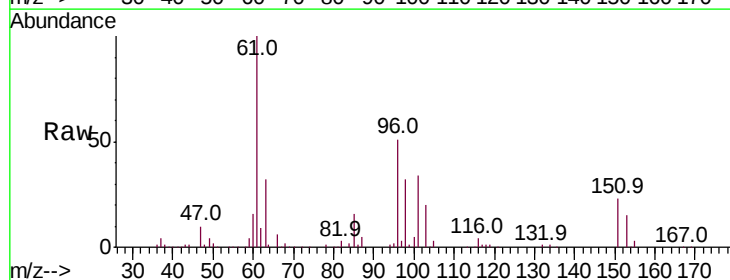
Tot Ion: 59 Resp: 38931
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

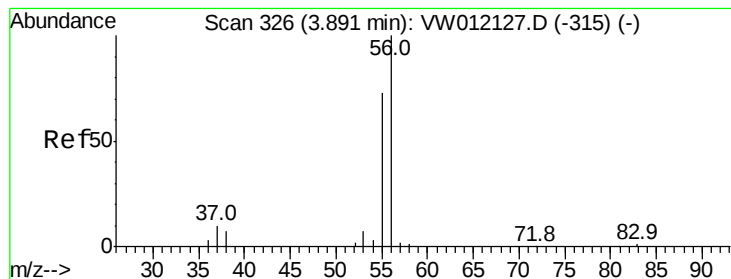


#12

1,1-Dichloroethene
Concen: 52.749 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 96 Resp: 86533
Ion Ratio Lower Upper
96 100
61 194.7 149.1 223.7
98 62.6 49.4 74.2





#13

Acrolein

Concen: 213.194 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

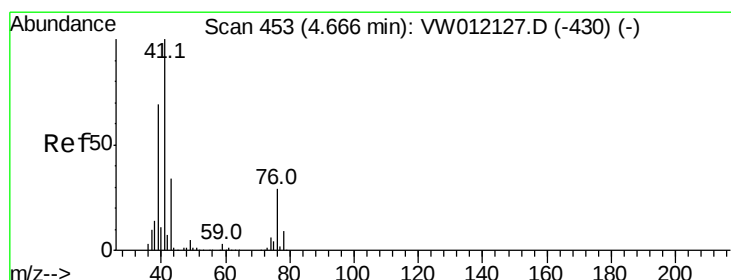
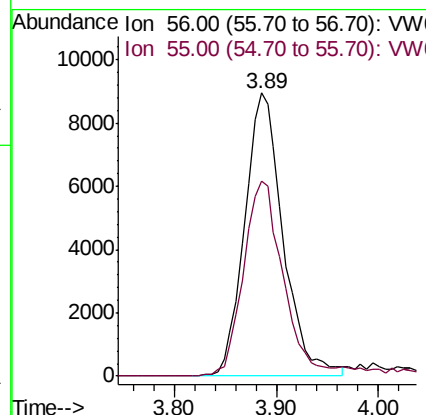
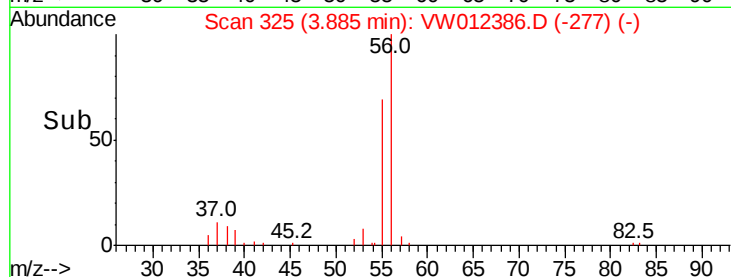
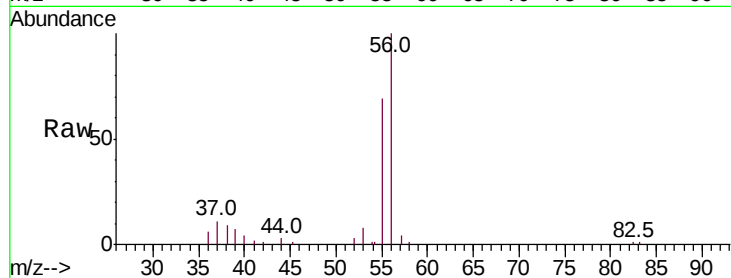
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 23480

Ion Ratio Lower Upper

56 100

55 70.2 55.8 83.8



#14

Allyl chloride

Concen: 54.838 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

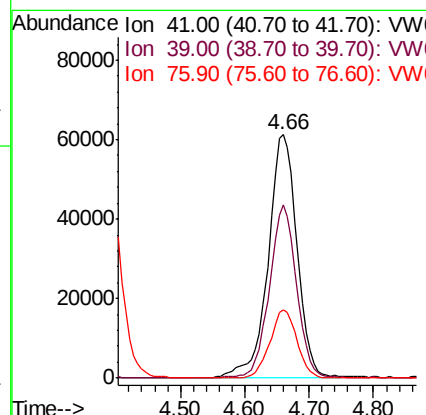
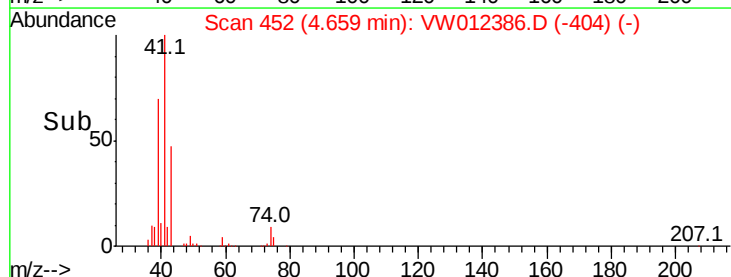
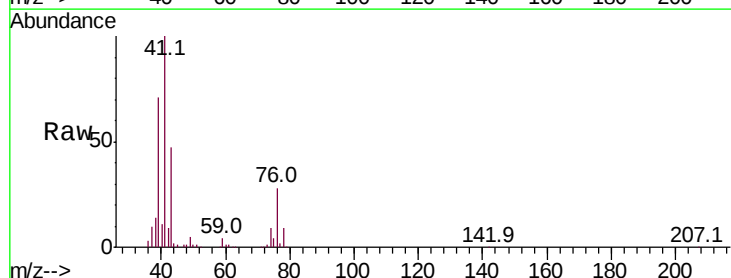
Tgt Ion: 41 Resp: 192322

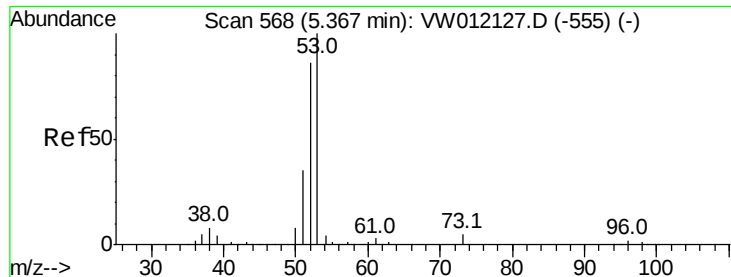
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 26.3 22.1 33.1





#15

Acrylonitrile

Concen: 320.353 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampled :

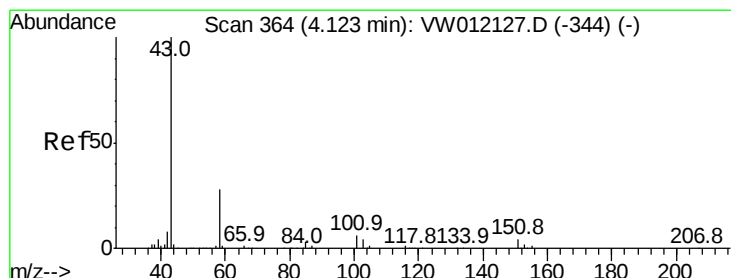
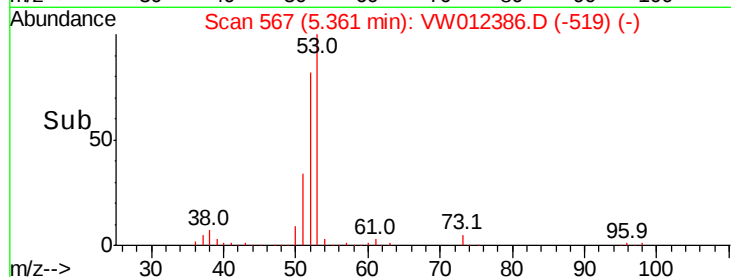
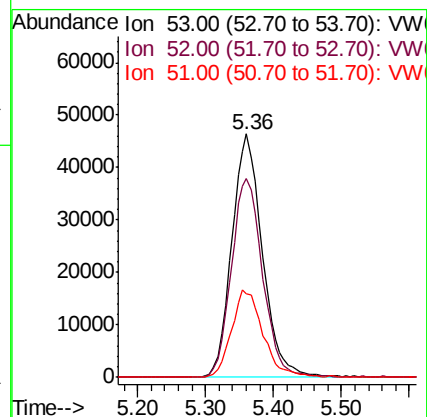
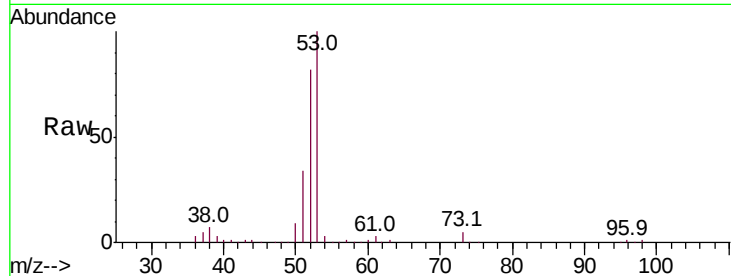
Tot Ion: 53 Resp: 144518

Ion Ratio Lower Upper

53 100

52 83.5 66.7 100.1

51 37.1 30.1 45.1



#16

Acetone

Concen: 261.186 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012386.D

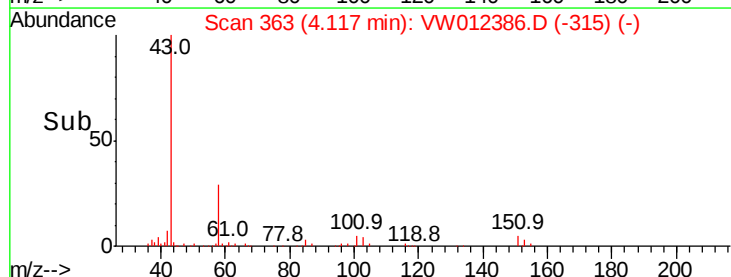
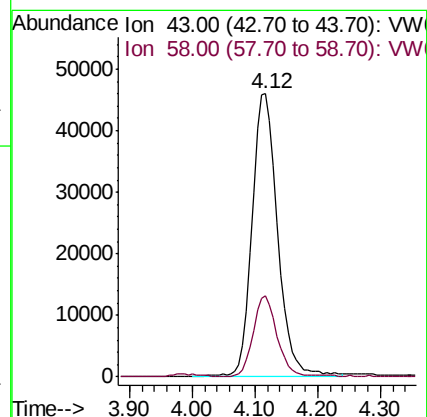
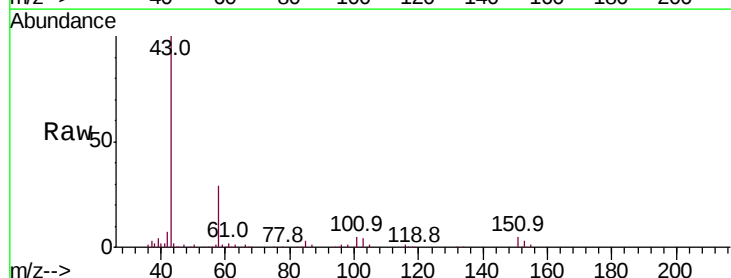
Acq: 31 Aug 2019 08:05

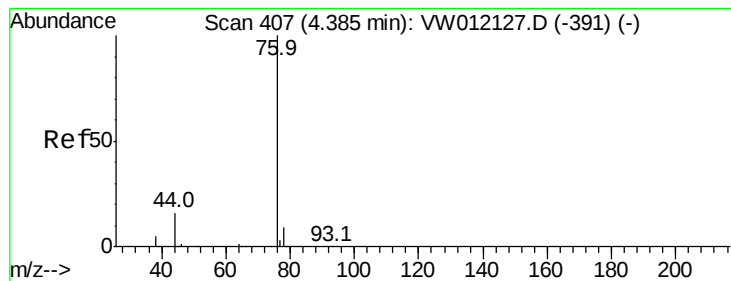
Tgt Ion: 43 Resp: 129803

Ion Ratio Lower Upper

43 100

58 28.5 22.4 33.6





#17

Carbon Disulfide

Concen: 50.386 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

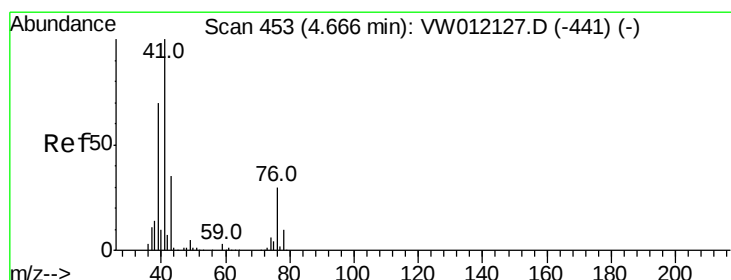
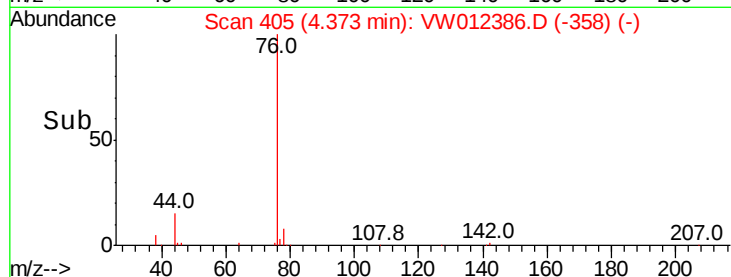
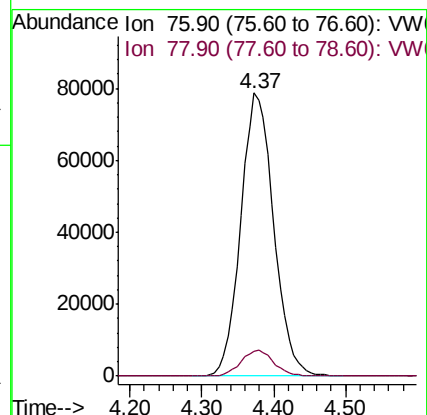
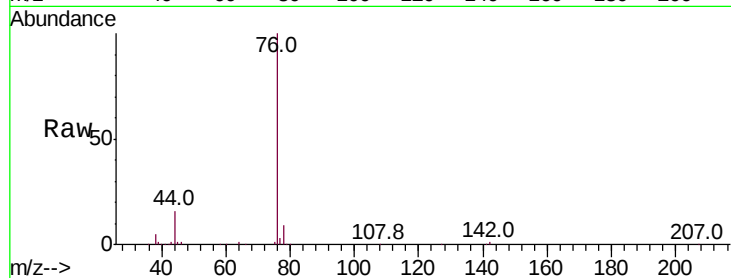
ClientSampled :

Tot Ion: 76 Resp: 249803

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



#18

Methyl Acetate

Concen: 69.724 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012386.D

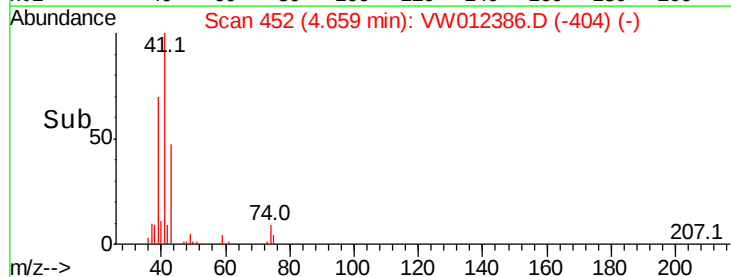
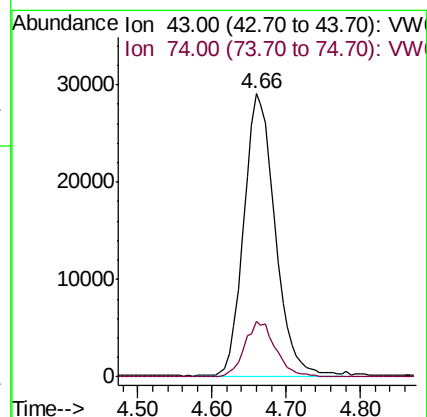
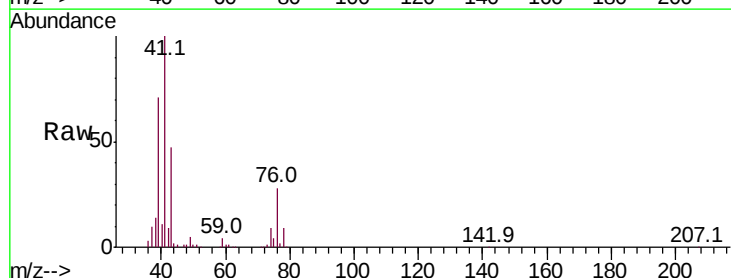
Acq: 31 Aug 2019 08:05

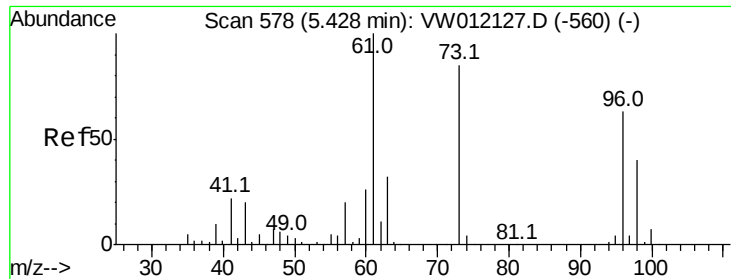
Tgt Ion: 43 Resp: 85824

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5

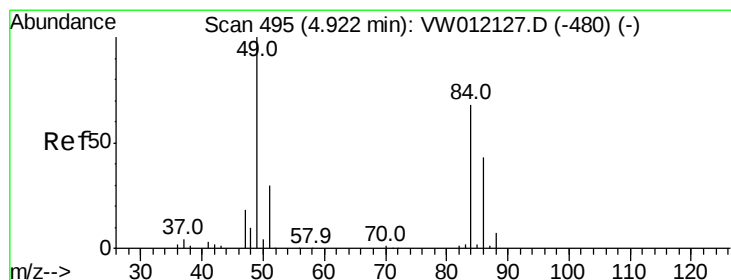
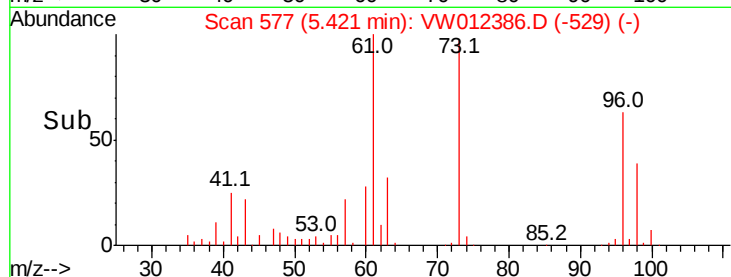
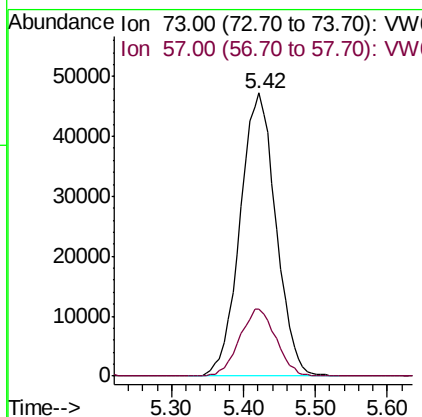
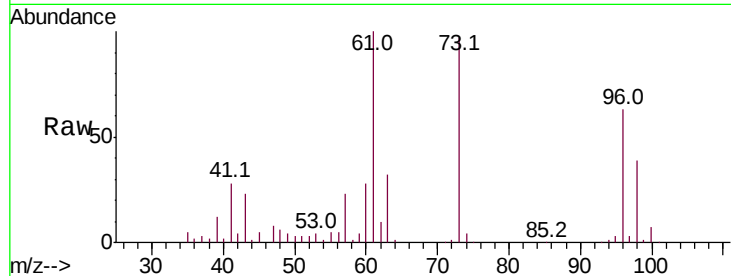




#19
Methyl tert-butyl Ether
Concen: 61.570 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

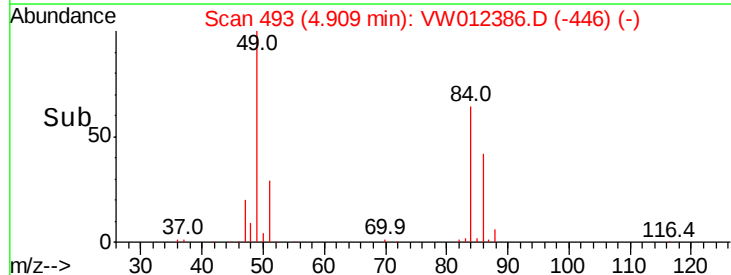
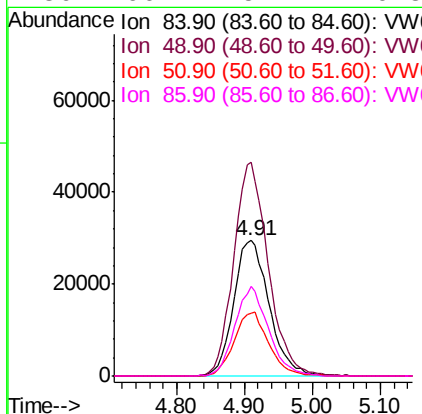
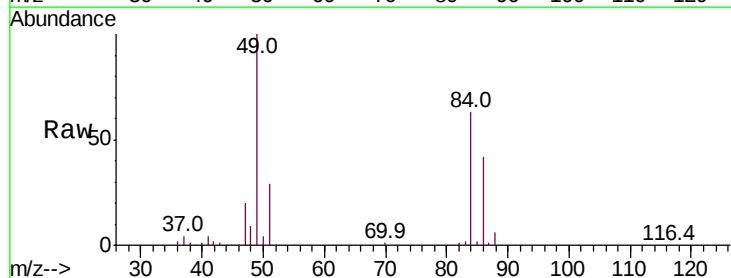
Instrument :
MSVOA_W
ClientSampled :

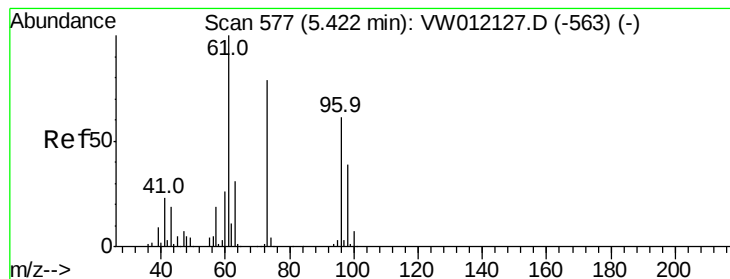
Tot Ion: 73 Resp: 163339
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 56.744 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 84 Resp: 106608
Ion Ratio Lower Upper
84 100
49 158.0 117.8 176.8
51 46.3 35.6 53.4
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :

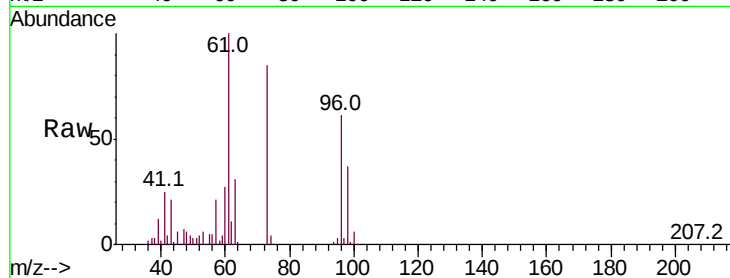
Tot Ion: 96 Resp: 96160

Ion Ratio Lower Upper

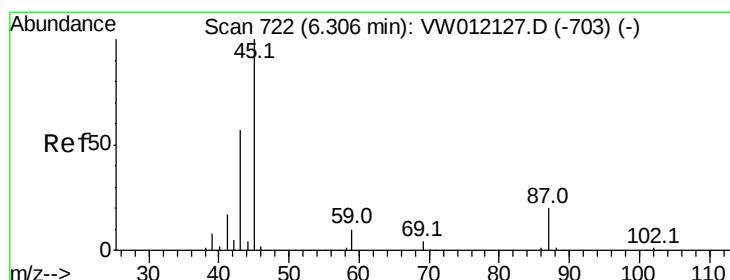
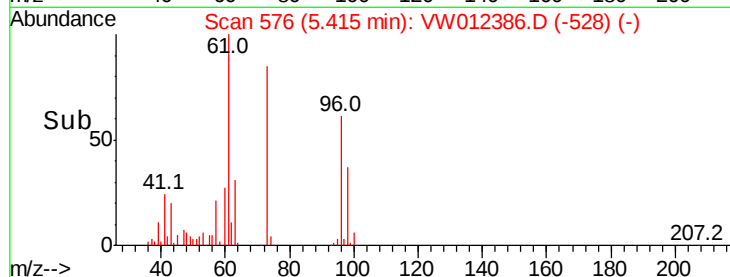
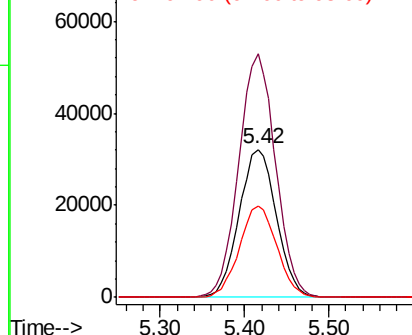
96 100

61 164.7 131.4 197.0

98 61.4 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: 59.456 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion: 45 Resp: 386507

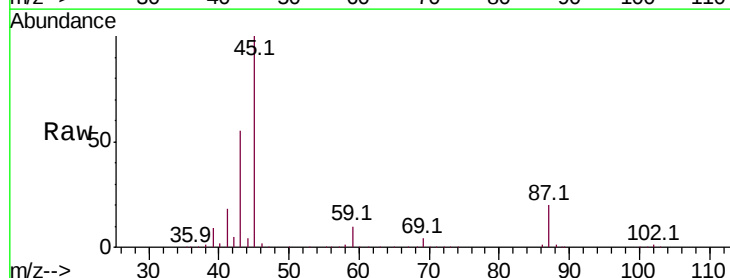
Ion Ratio Lower Upper

45 100

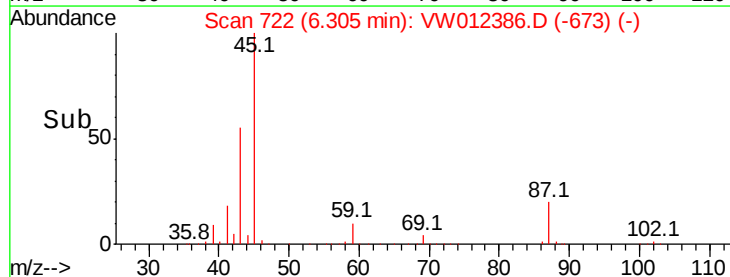
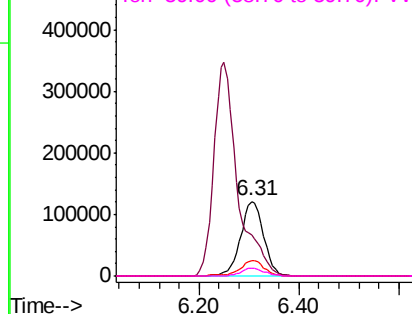
43 54.7 45.5 68.3

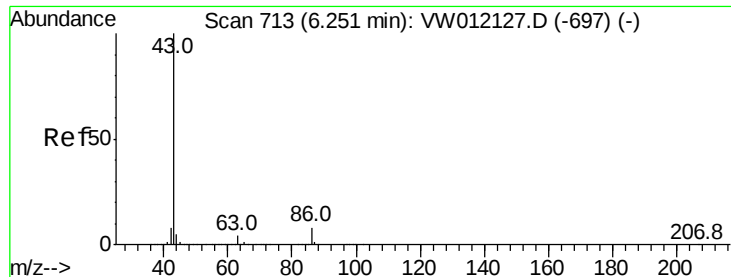
87 19.8 16.1 24.1

59 10.2 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: 286.696 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

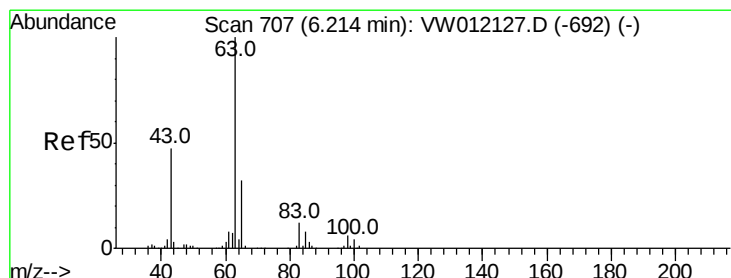
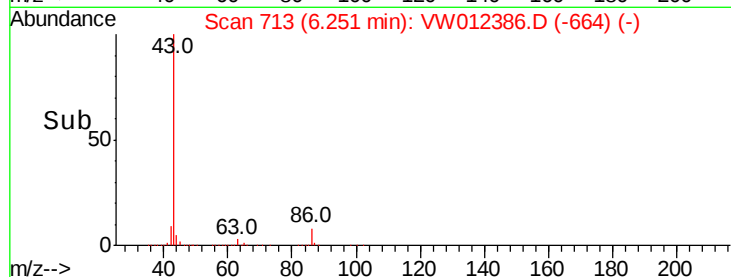
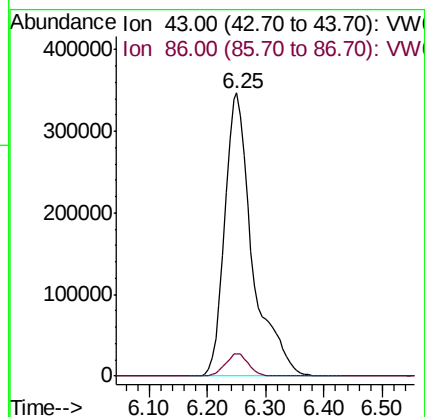
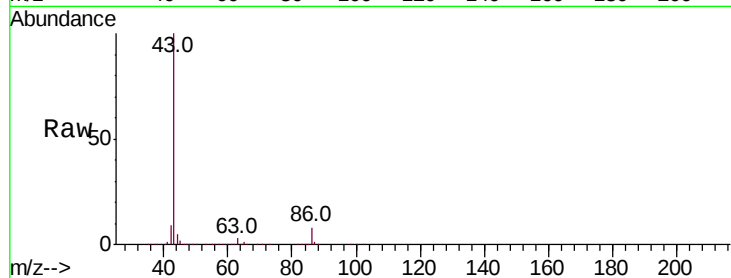
ClientSampleId :

Tot Ion: 43 Resp: 1146961

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 56.897 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

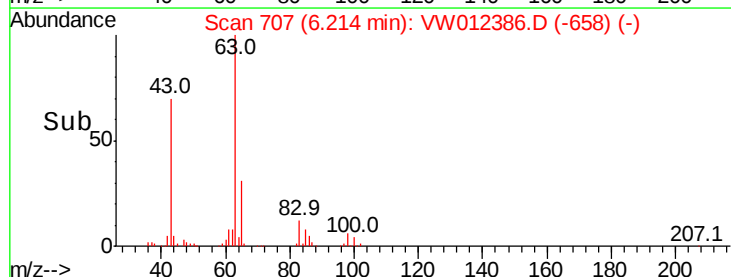
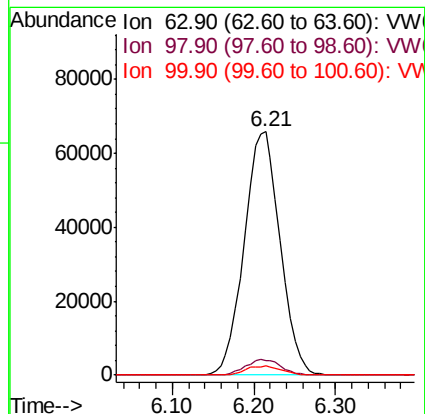
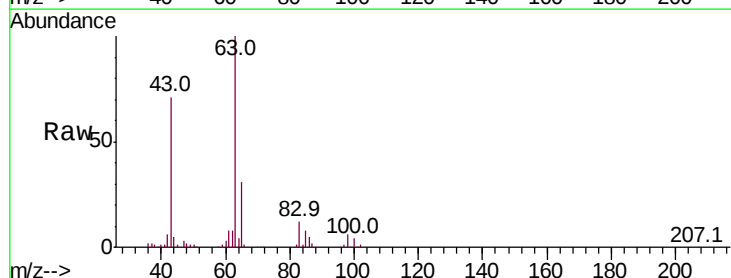
Tgt Ion: 63 Resp: 201386

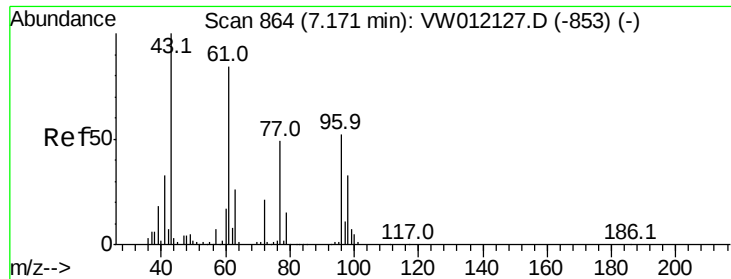
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 296.306 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

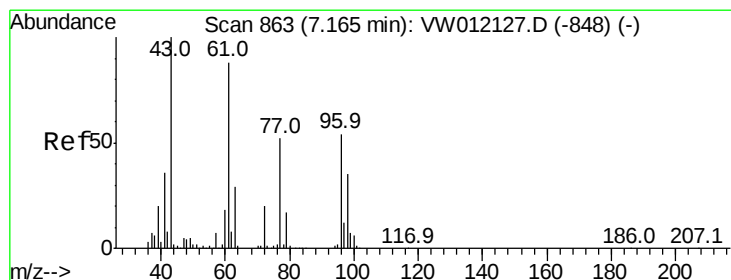
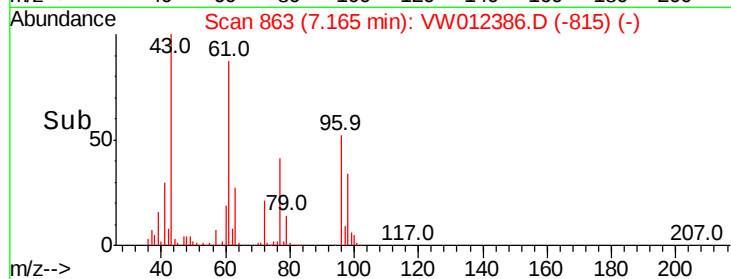
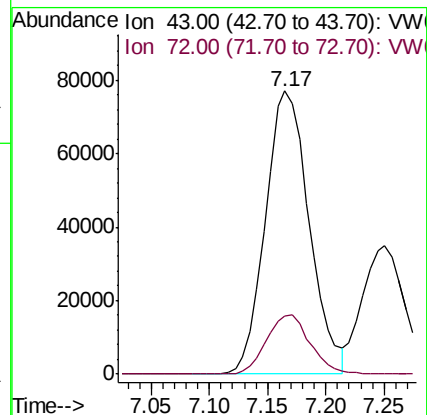
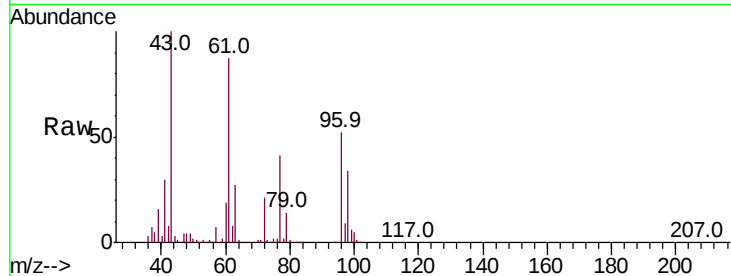
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 200105

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 45.964 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012386.D

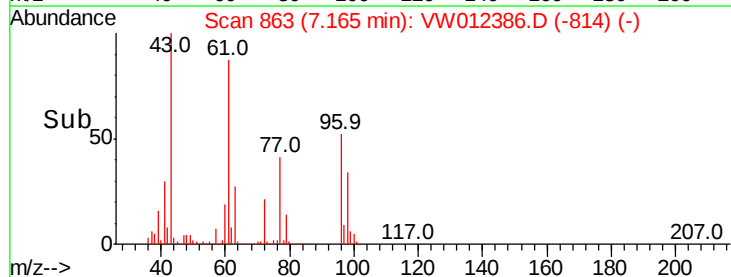
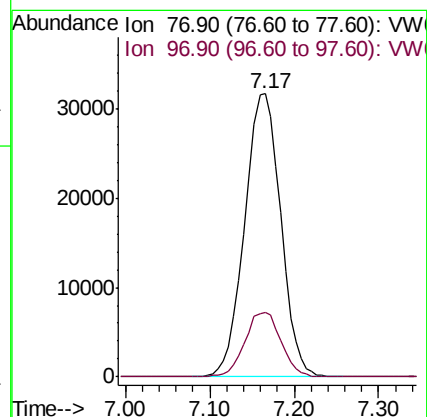
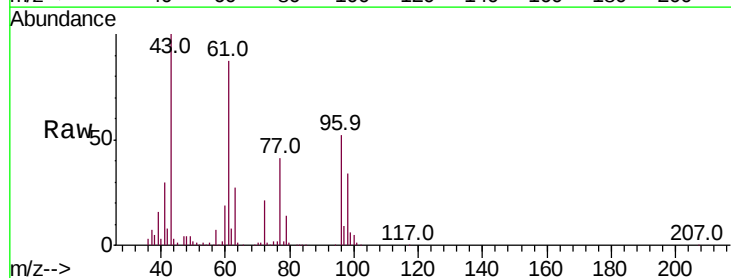
Acq: 31 Aug 2019 08:05

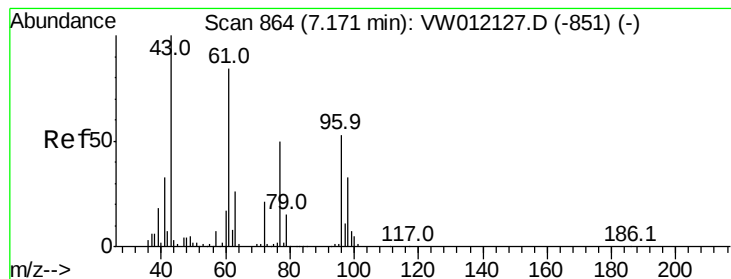
Tgt Ion: 77 Resp: 92084

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.1



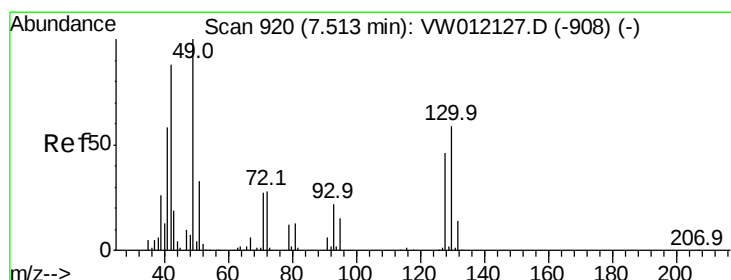
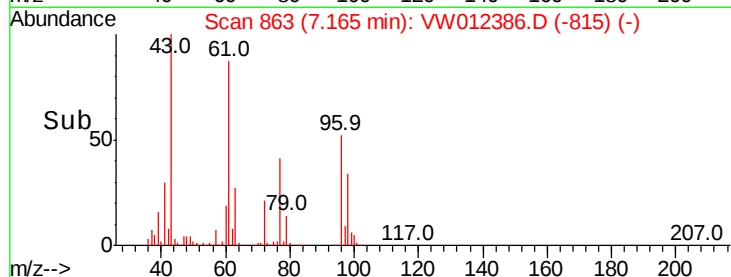
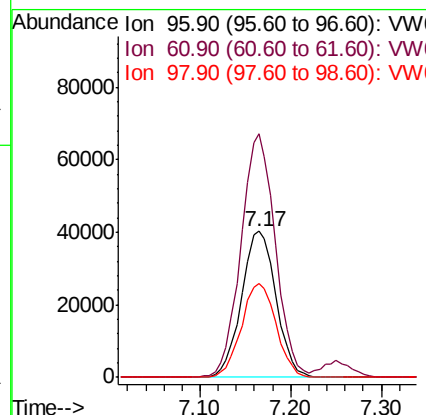
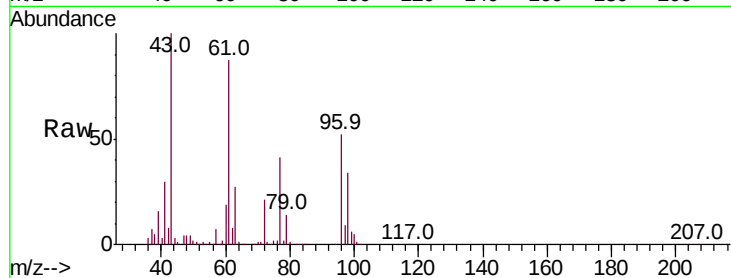


#27

cis-1,2-Dichloroethene
Concen: 56.585 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampled :

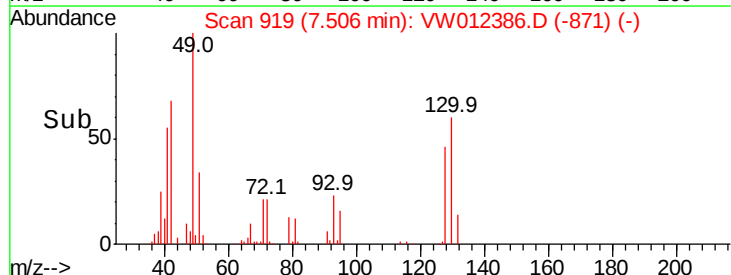
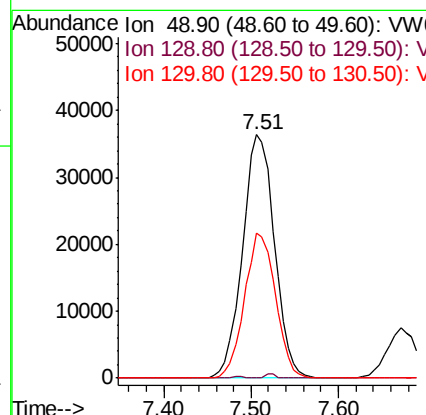
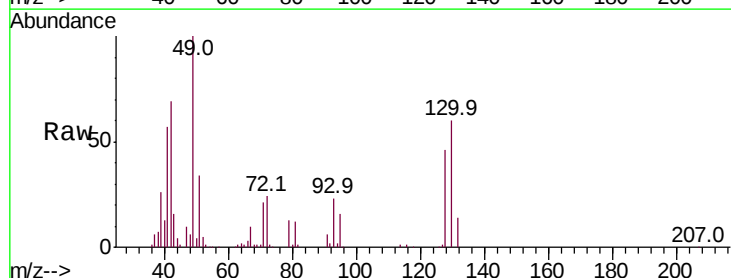
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	326.6
98	64.4	0.0	127.4

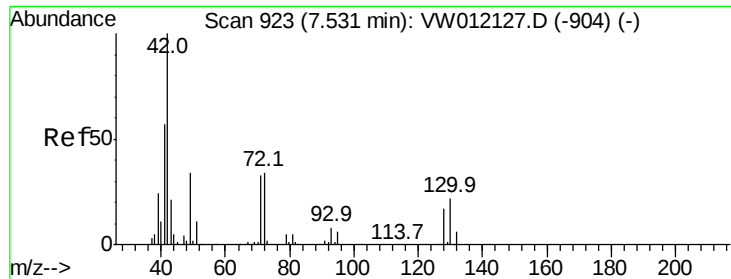


#28

Bromochloromethane
Concen: 59.820 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	58.1	45.5	68.3

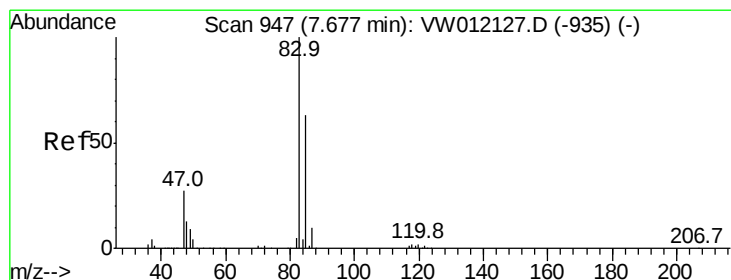
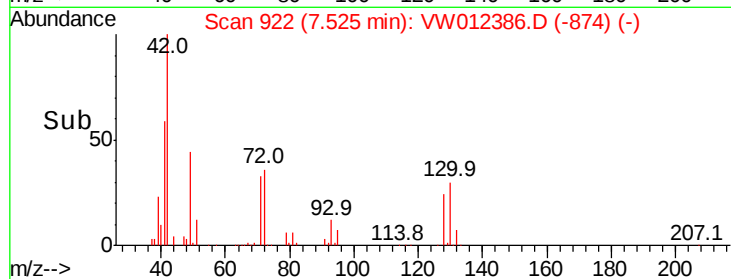
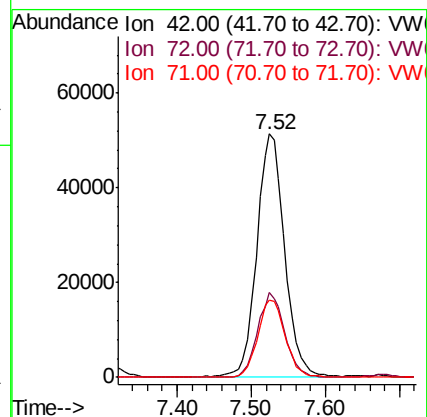
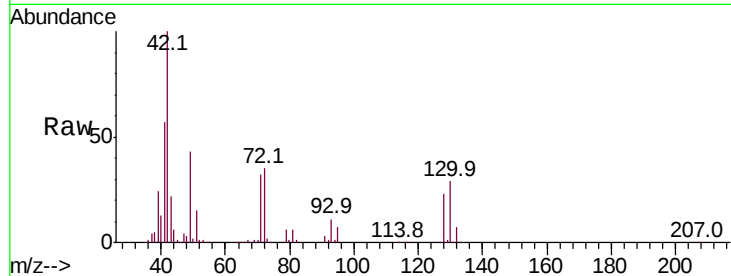




#29
Tetrahydrofuran
Concen: 330.876 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

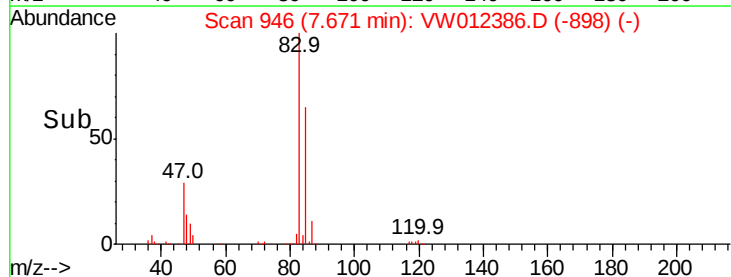
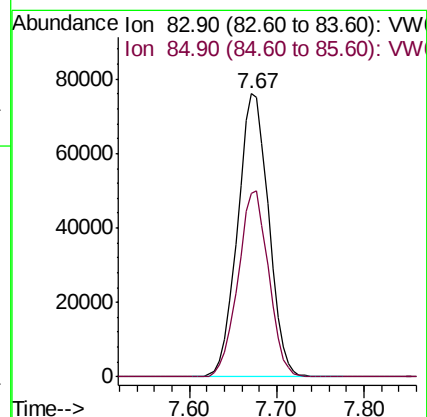
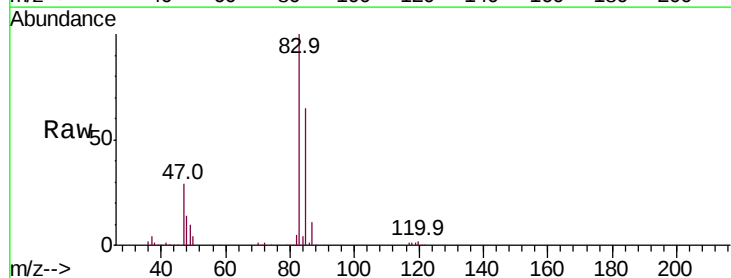
Instrument :
MSVOA_W
ClientSampled :

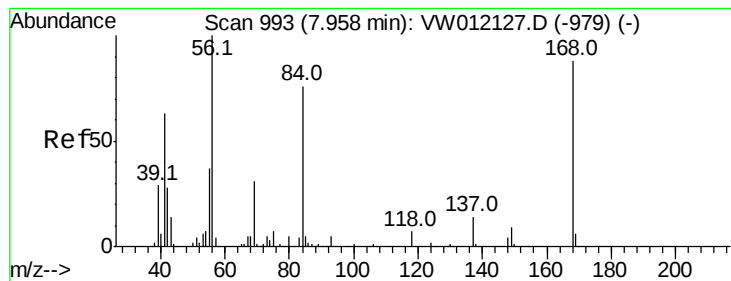
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.3	40.9
71	31.7	25.5	38.3



#30
Chloroform
Concen: 57.876 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





#31

Cyclohexane

Concen: 47.100 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :

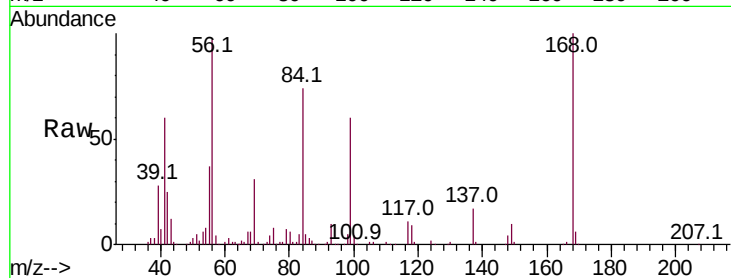
Tot Ion: 56 Resp: 164940

Ion Ratio Lower Upper

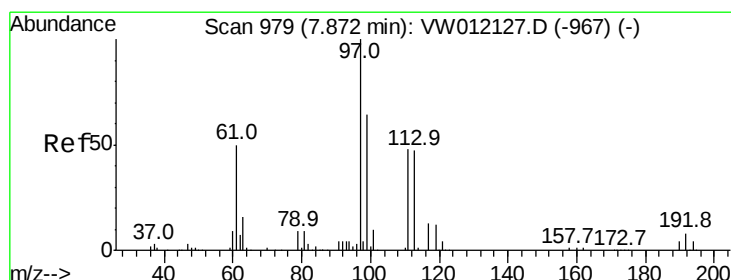
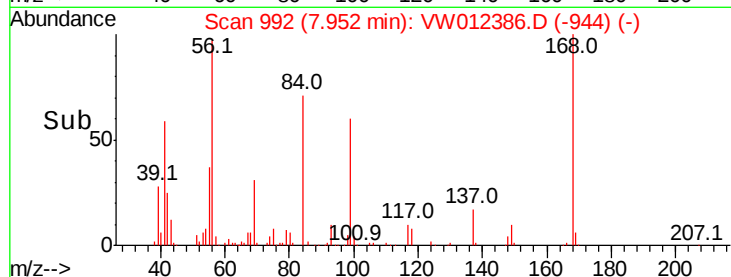
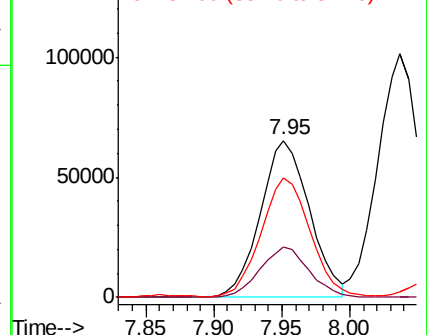
56 100

69 32.0 24.9 37.3

84 75.6 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: 56.290 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

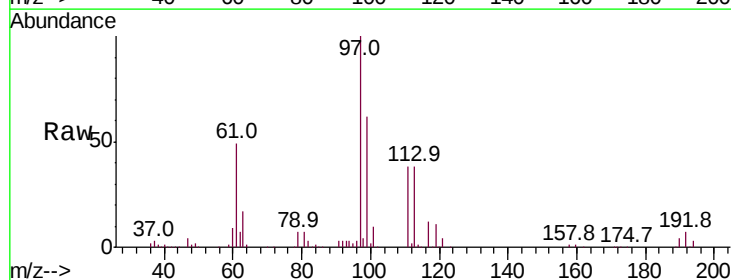
Tgt Ion: 97 Resp: 144201

Ion Ratio Lower Upper

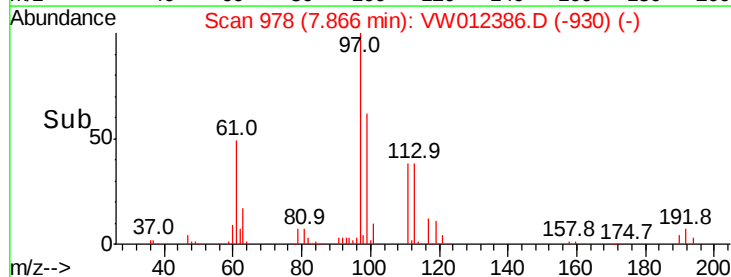
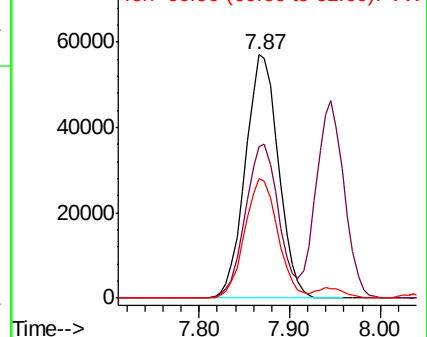
97 100

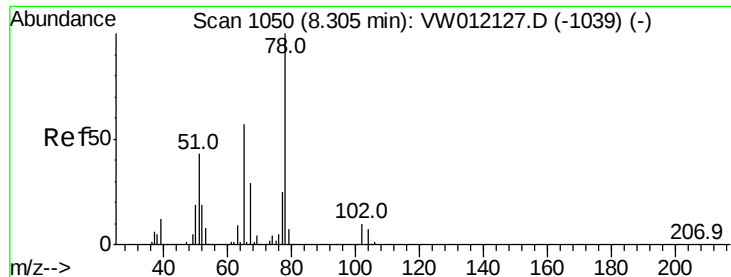
99 63.7 51.4 77.0

61 49.3 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

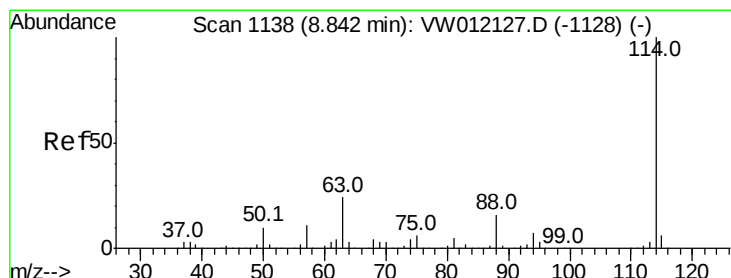
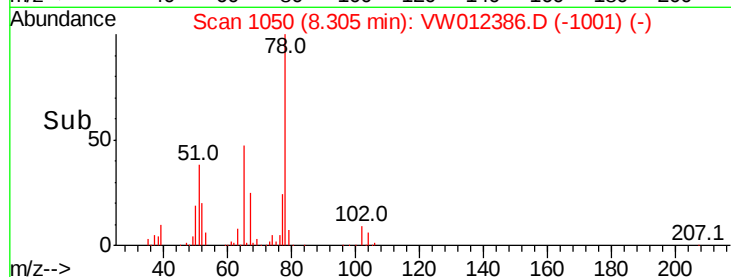
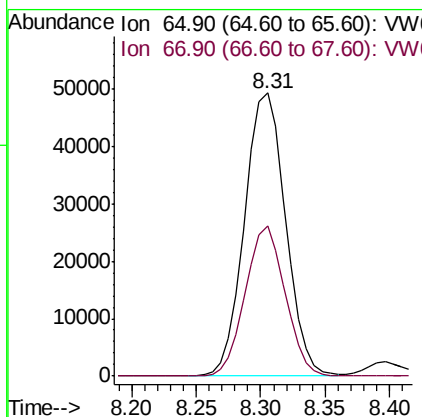
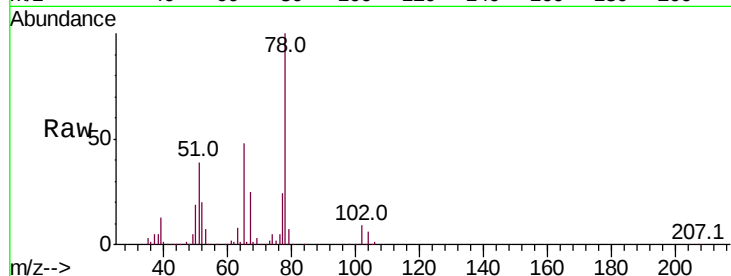




#33
 1,2-Dichloroethane-d4
 Concen: 56.038 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

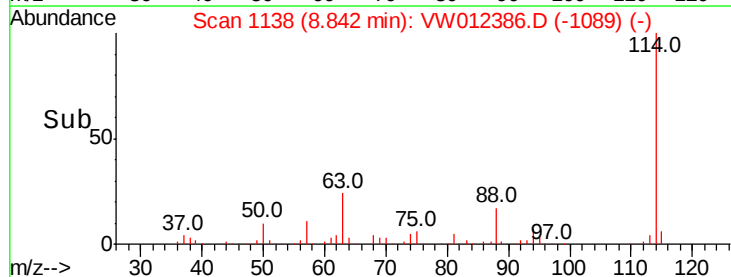
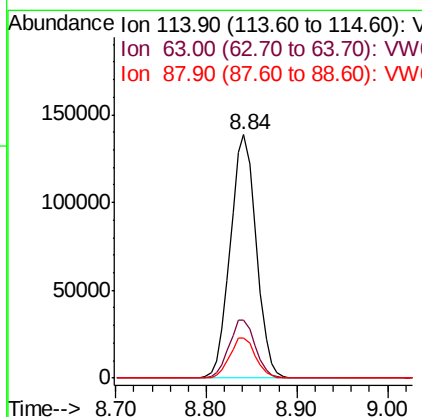
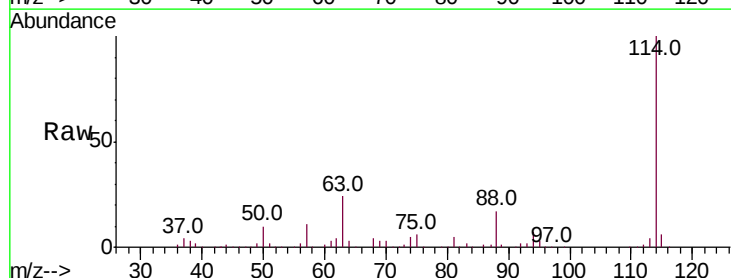
Instrument :
 MSVOA_W
 ClientSampled :

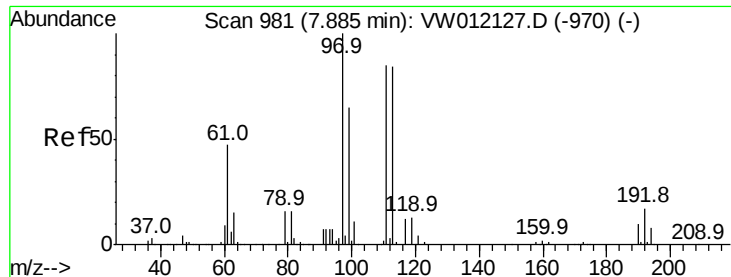
Tot Ion: 65 Resp: 108948
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion: 114 Resp: 274318
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.616 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampled :

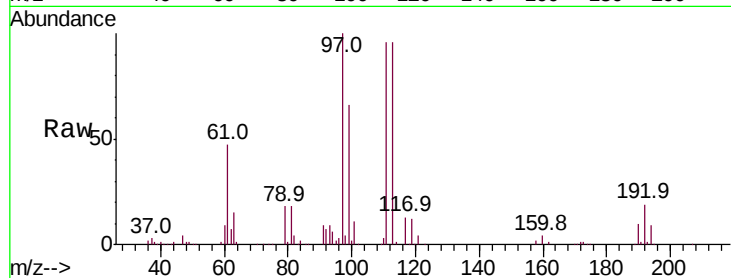
Tot Ion:113 Resp: 84517

Ion Ratio Lower Upper

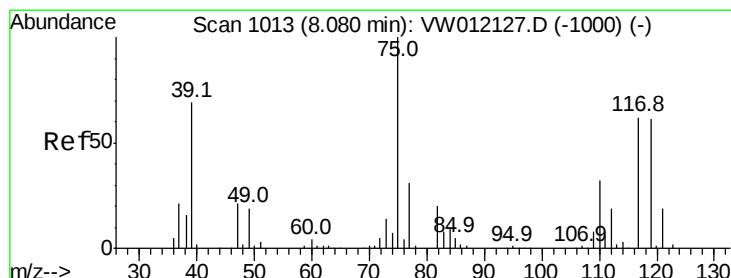
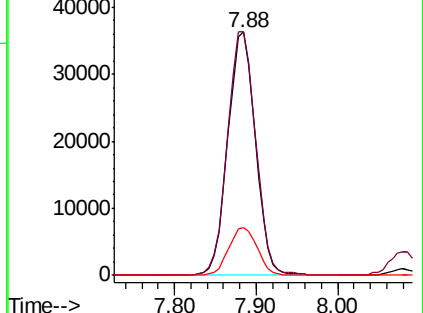
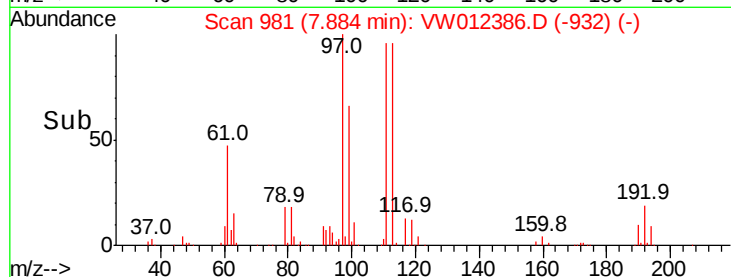
113 100

111 102.3 82.7 124.1

192 20.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.755 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

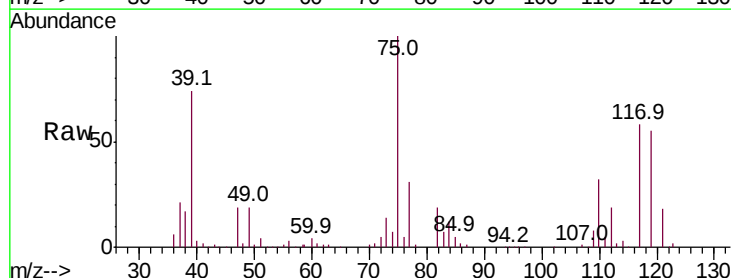
Tgt Ion: 75 Resp: 143879

Ion Ratio Lower Upper

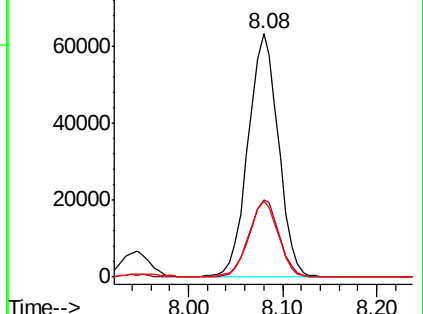
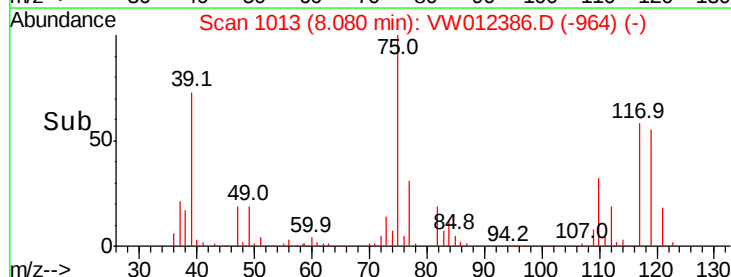
75 100

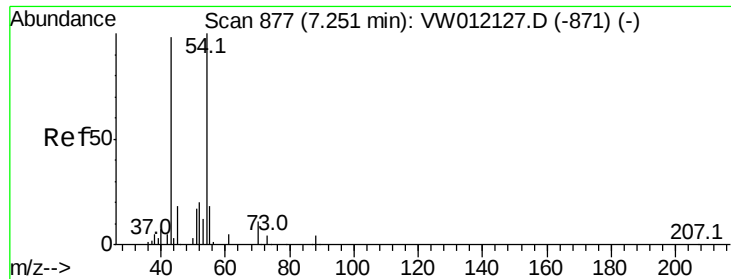
110 31.4 15.6 46.8

77 30.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

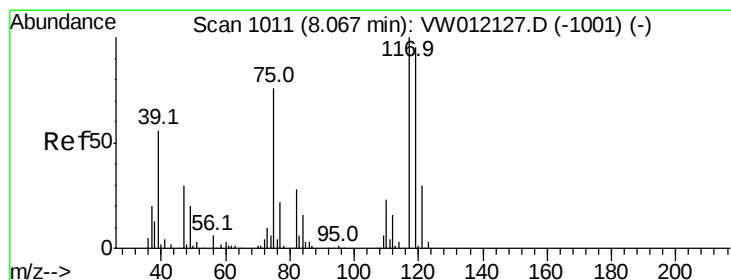
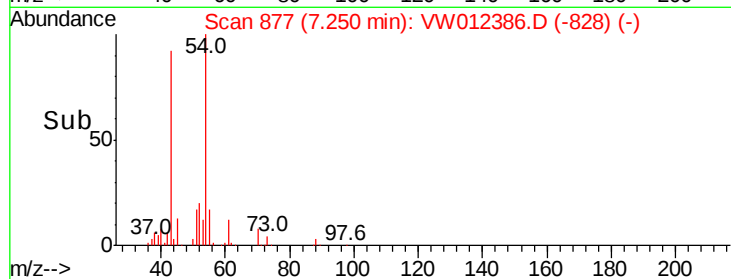
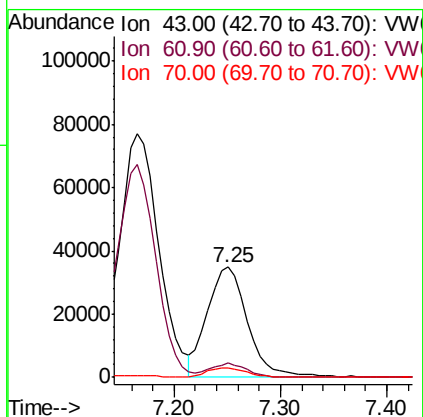
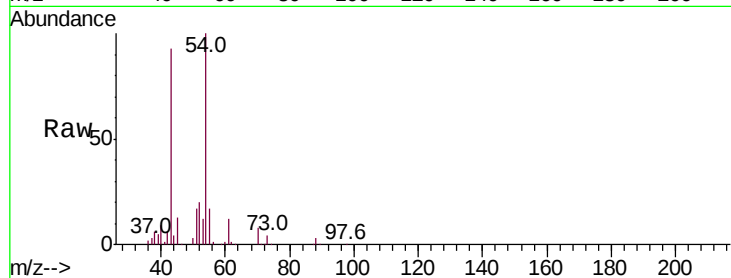




#37
Ethyl Acetate
Concen: 58.176 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

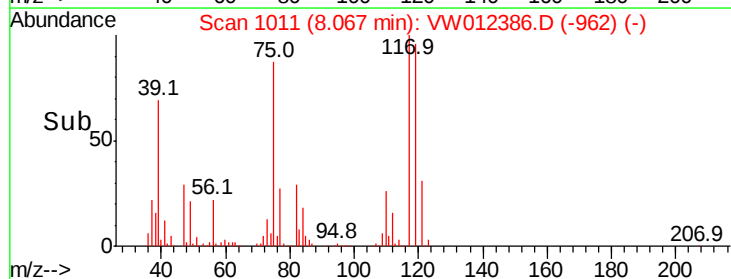
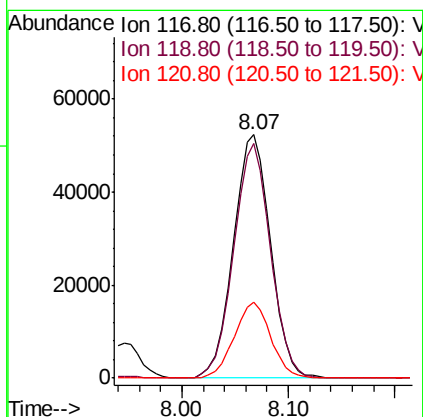
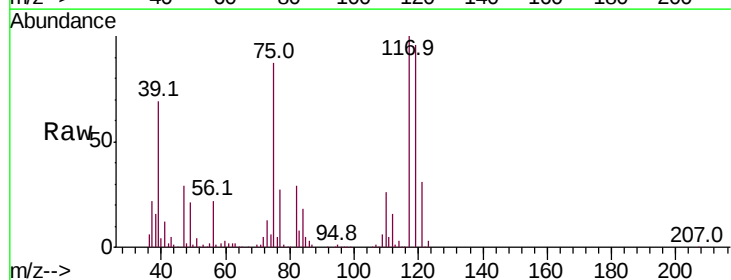
Instrument :
MSVOA_W
ClientSampled :

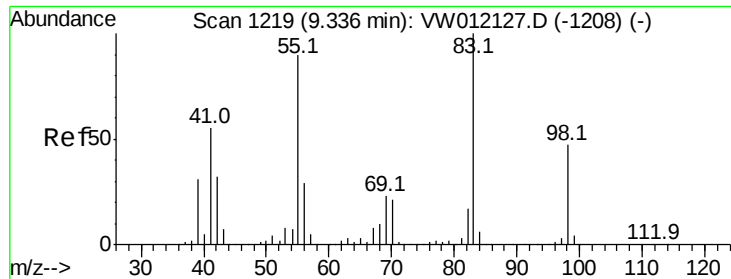
Tot Ion: 43 Resp: 90371
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.272 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 117 Resp: 128253
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 31.1 23.8 35.8

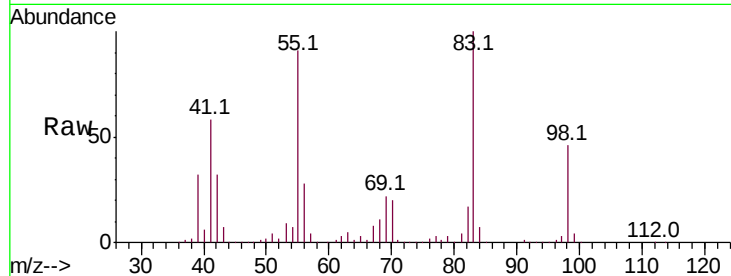




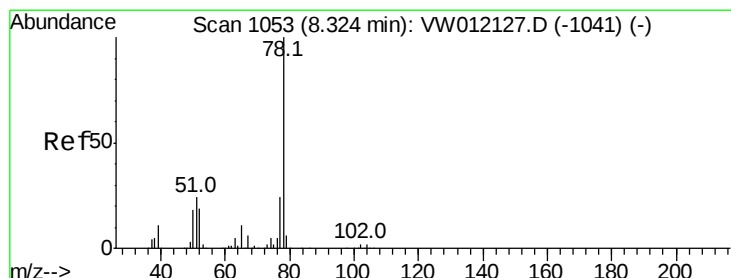
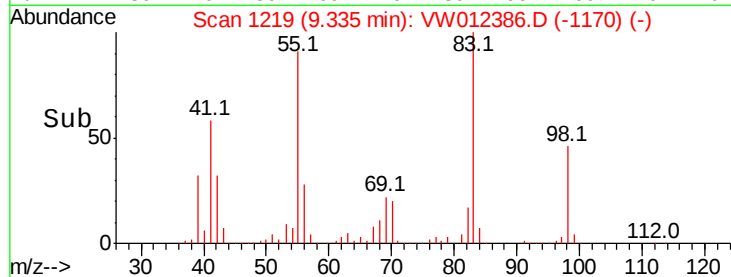
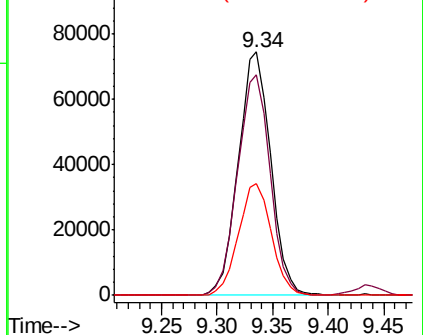
#39
Methvlcvclohexane
Concen: 47.354 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 150806
Ion Ratio Lower Upper
83 100
55 90.7 71.8 107.8
98 46.0 37.8 56.8

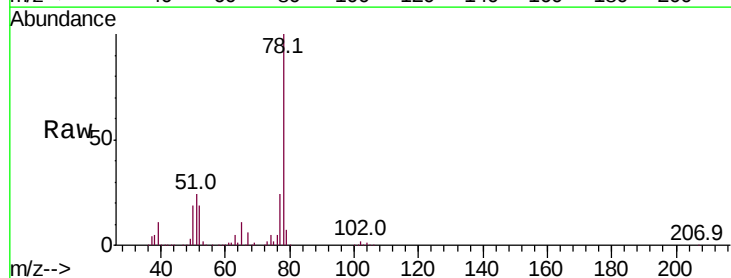


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

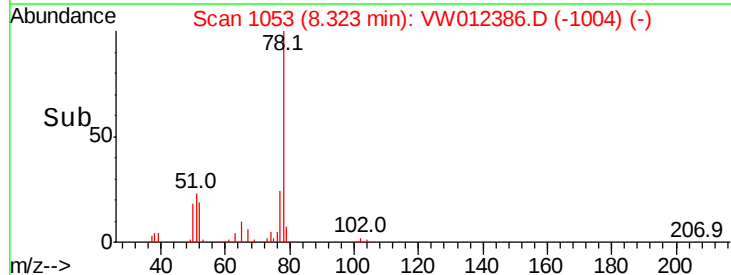
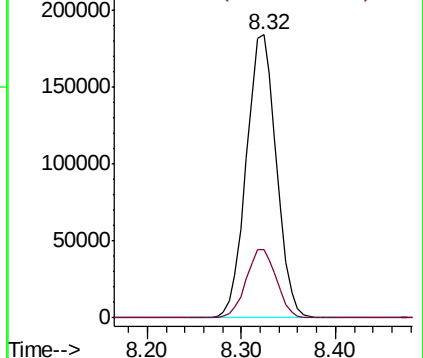


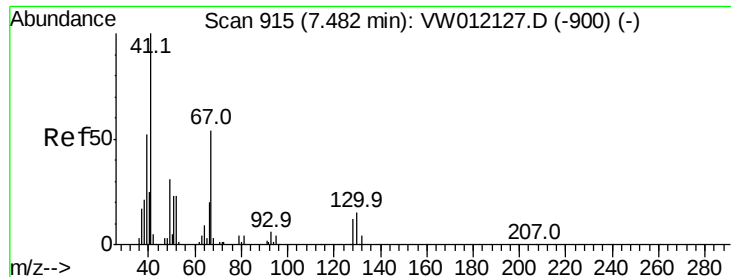
#40
Benzene
Concen: 53.284 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 78 Resp: 412442
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3



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

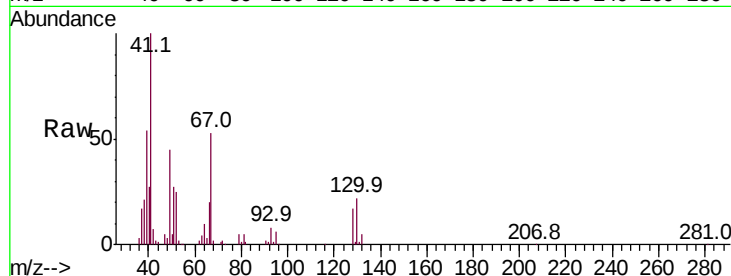




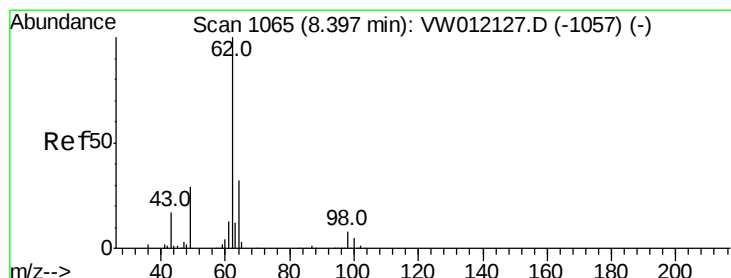
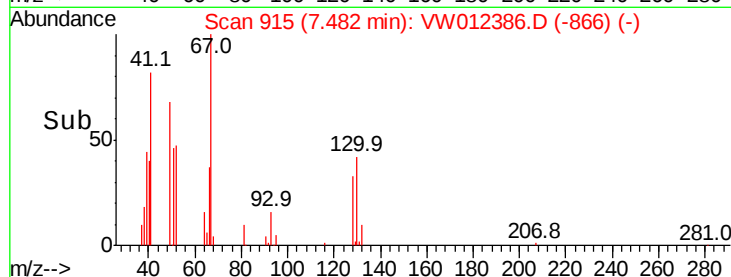
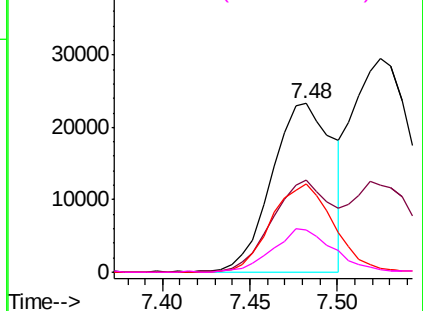
#41
Methacrylonitrile
Concen: 62.354 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	56929
Ion	Ratio	Lower	Upper
41	100		
39	53.2	45.8	68.8
67	54.2	46.2	69.4
52	25.9	21.0	31.6

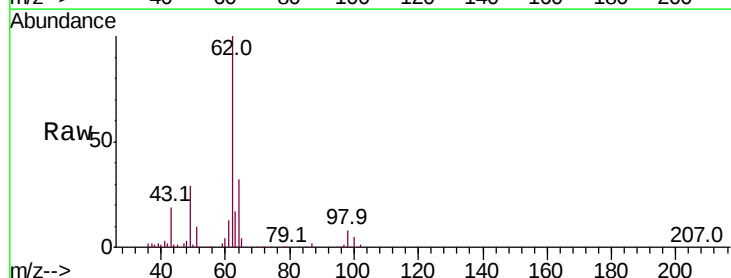


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

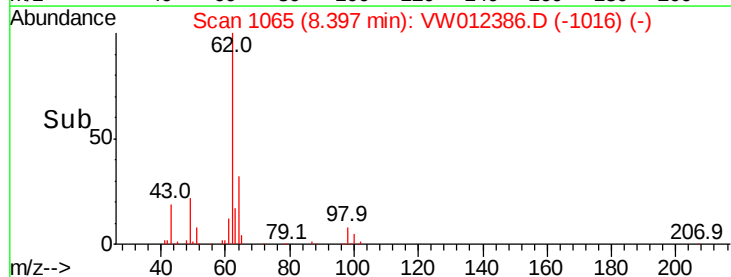
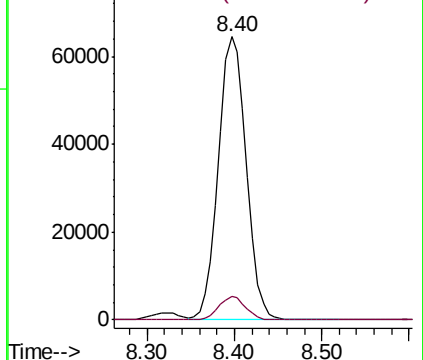


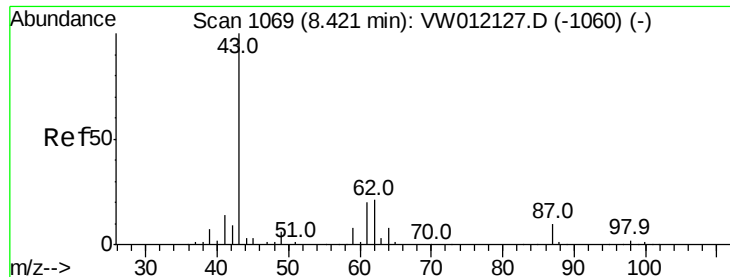
#42
1,2-Dichloroethane
Concen: 58.689 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:	62	Resp:	142376
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 58.403 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

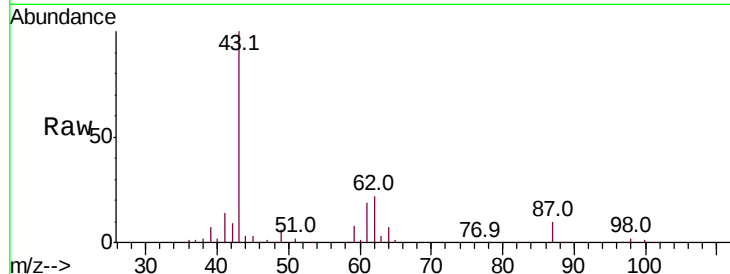
Tot Ion: 43 Resp: 168049

Ion Ratio Lower Upper

43 100

61 26.3 21.1 31.7

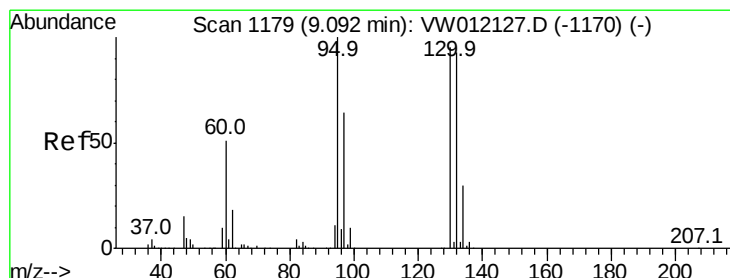
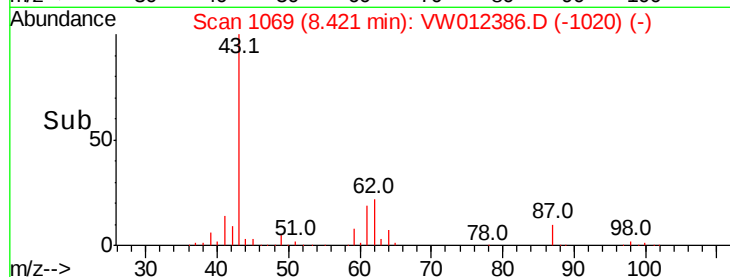
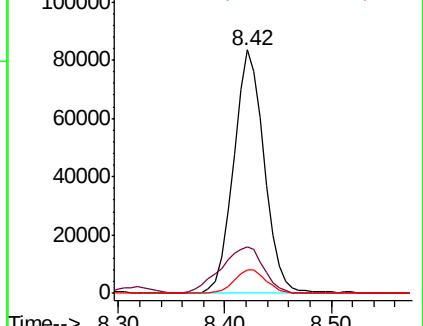
87 10.1 8.2 12.2



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: 52.450 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012386.D

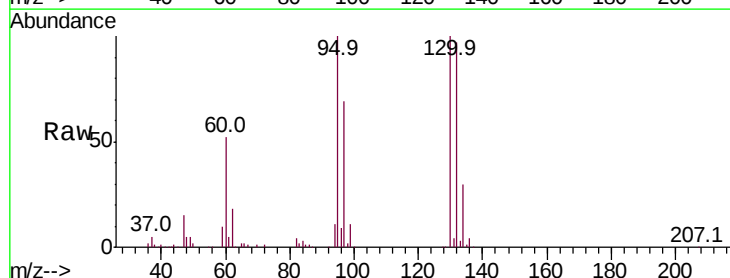
Acq: 31 Aug 2019 08:05

Tgt Ion:130 Resp: 98695

Ion Ratio Lower Upper

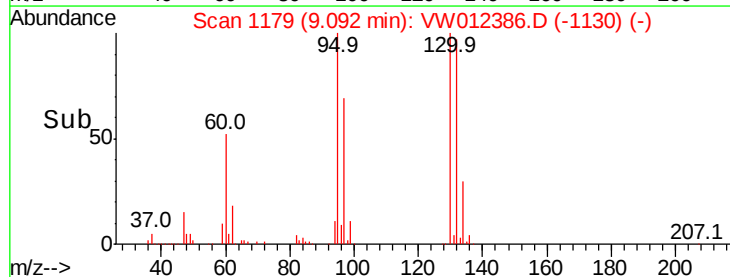
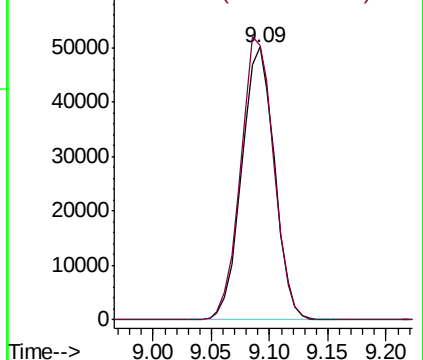
130 100

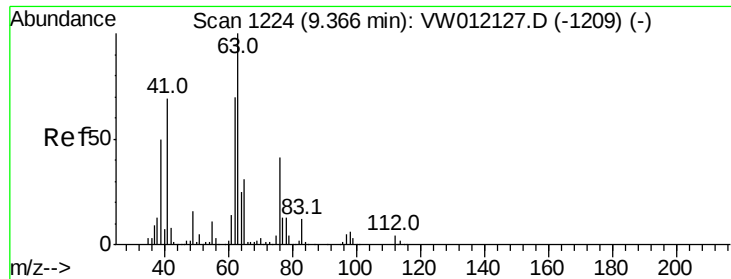
95 100.4 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 54.633 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

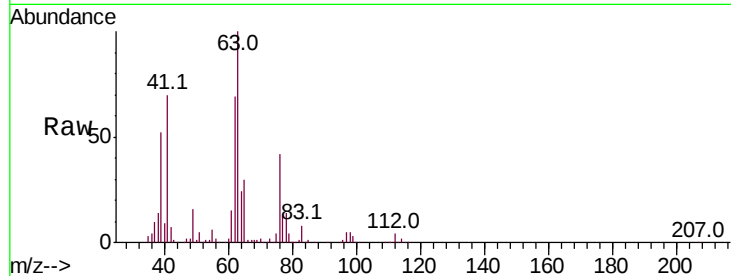
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 113812

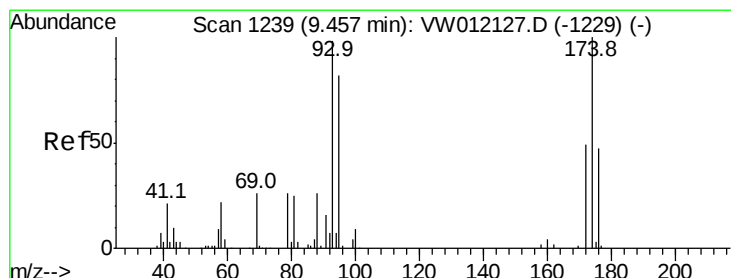
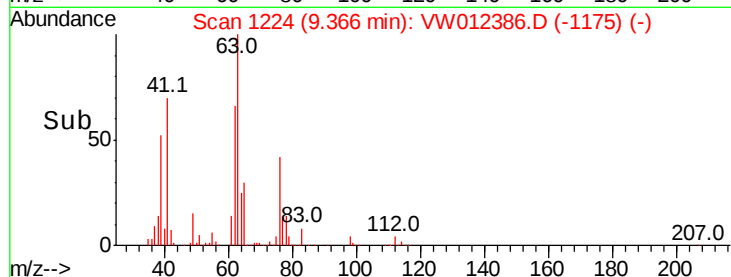
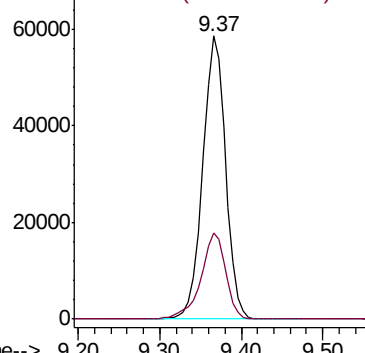
Ion Ratio Lower Upper

63 100

65 30.3 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: 57.664 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

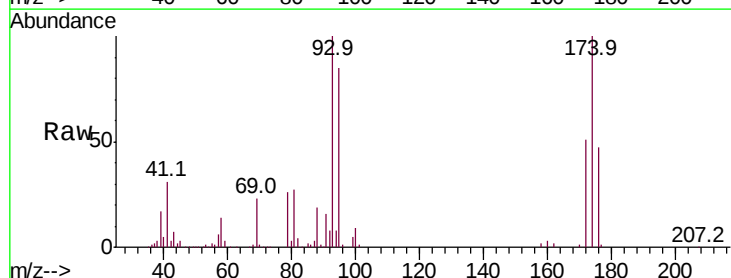
Tgt Ion: 93 Resp: 53448

Ion Ratio Lower Upper

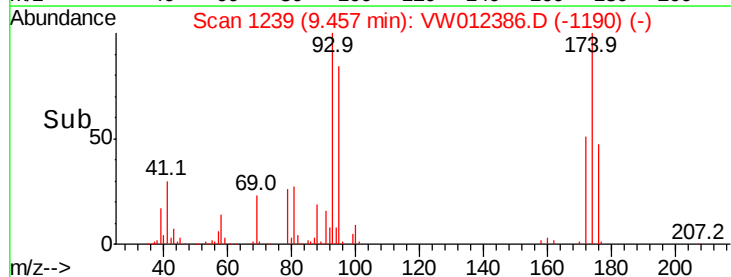
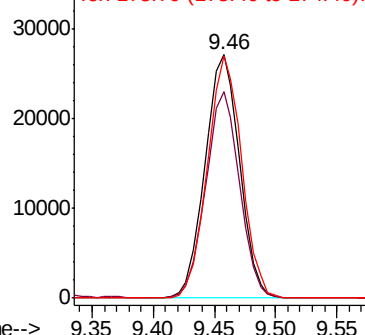
93 100

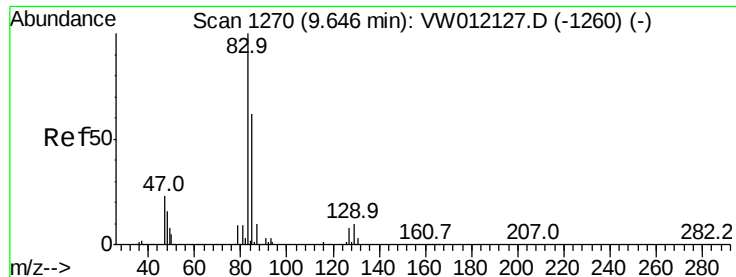
95 83.2 67.2 100.8

174 98.8 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: 56.401 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

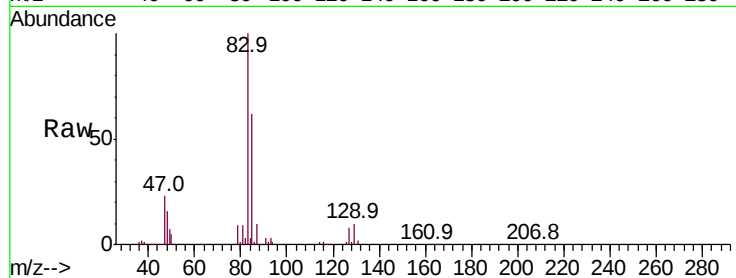
Tot Ion: 83 Resp: 139131

Ion Ratio Lower Upper

83 100

85 62.4 49.4 74.2

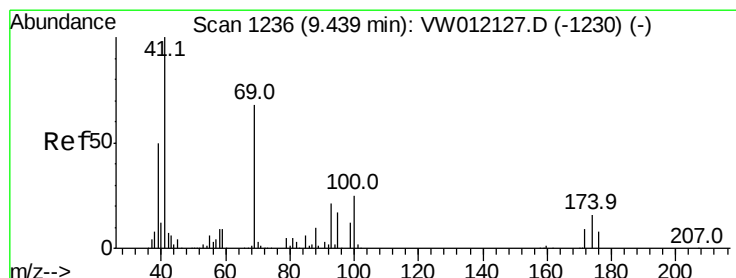
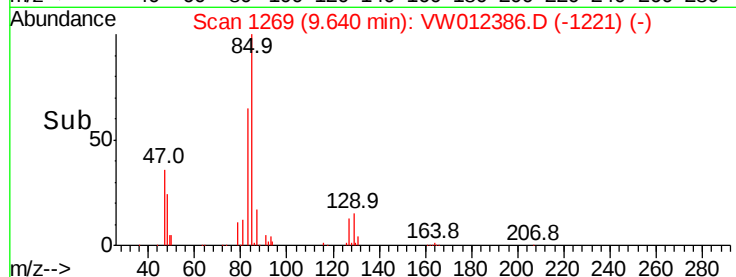
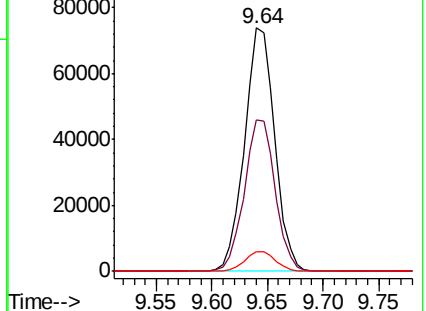
127 8.2 6.1 9.1



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): VW



#48

Methyl methacrylate

Concen: 61.035 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

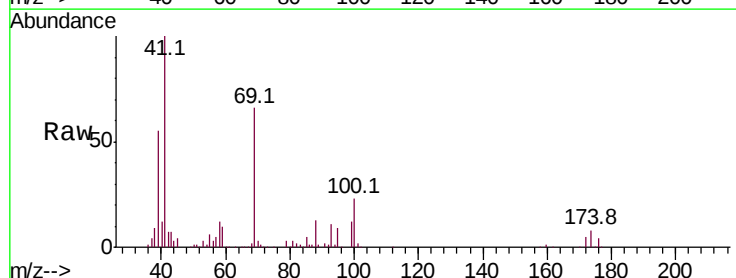
Tgt Ion: 41 Resp: 83587

Ion Ratio Lower Upper

41 100

69 69.5 56.7 85.1

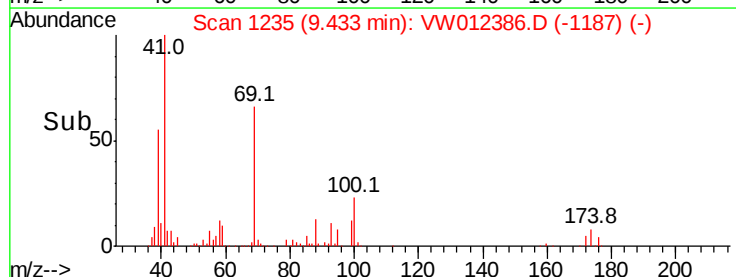
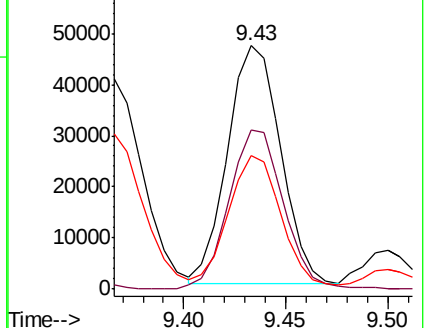
39 56.9 42.0 63.0

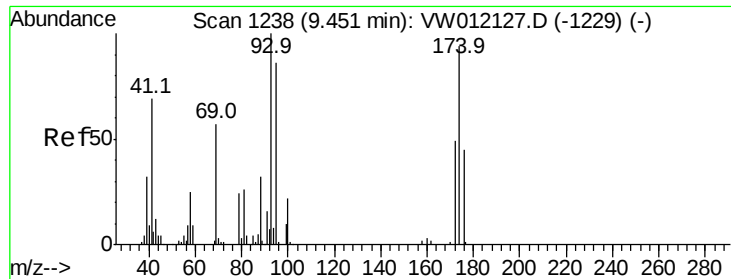


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

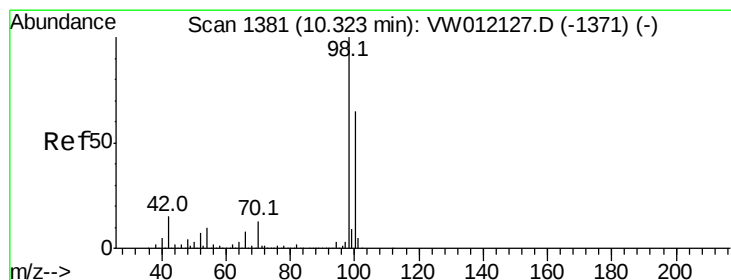
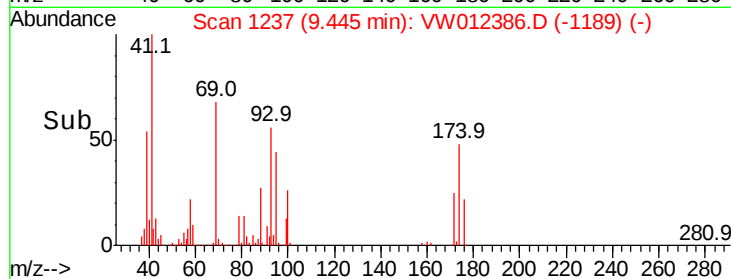
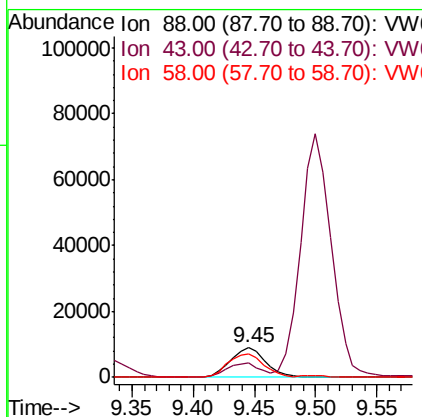
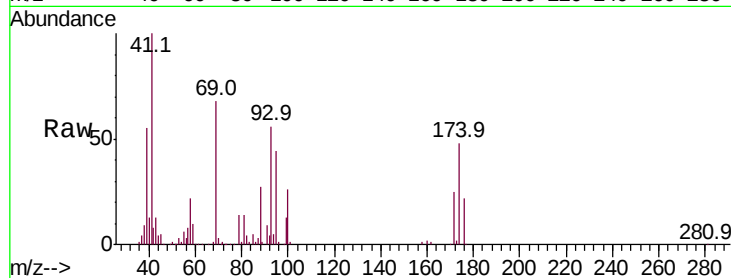




#49
1,4-Dioxane
Concen: 1277.286 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

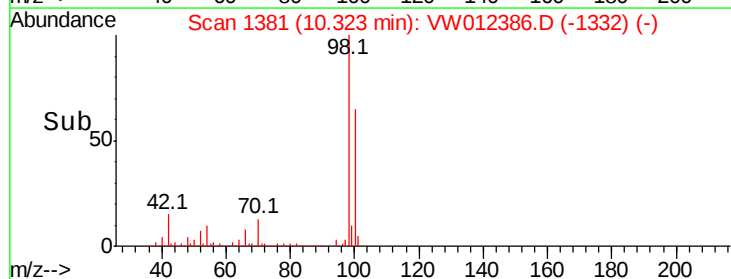
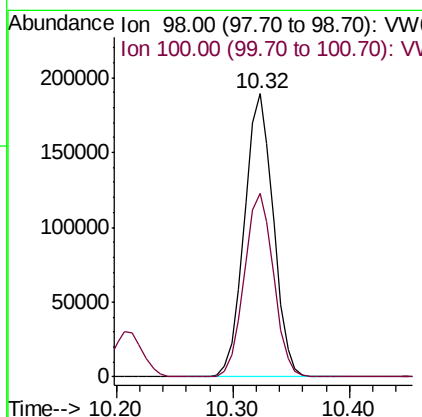
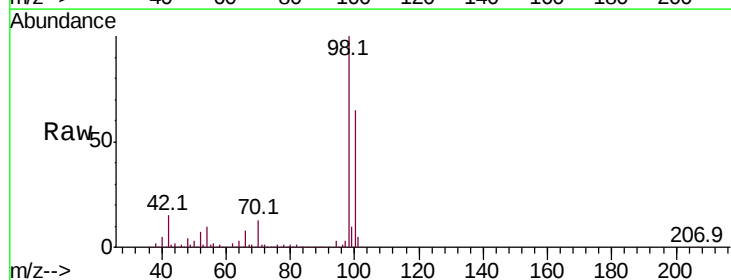
Instrument :
MSVOA_W
ClientSampled :

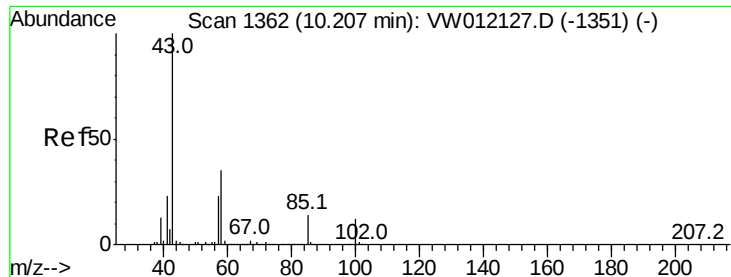
Tot Ion: 88 Resp: 18124
Ion Ratio Lower Upper
88 100
43 44.9 32.9 49.3
58 86.3 71.0 106.4



#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 98 Resp: 328385
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 309.496 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

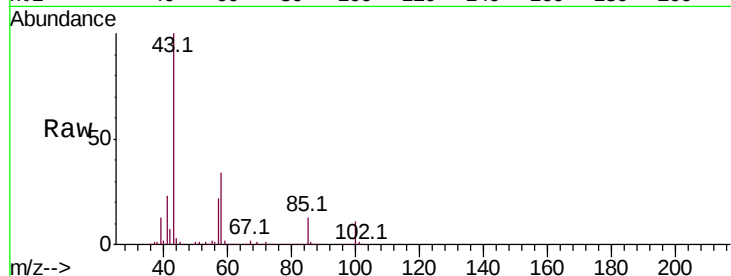
ClientSampled :

Tot Ion: 43 Resp: 452957

Ion Ratio Lower Upper

43 100

58 34.5 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

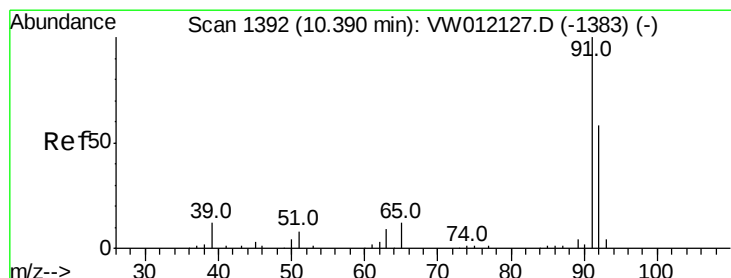
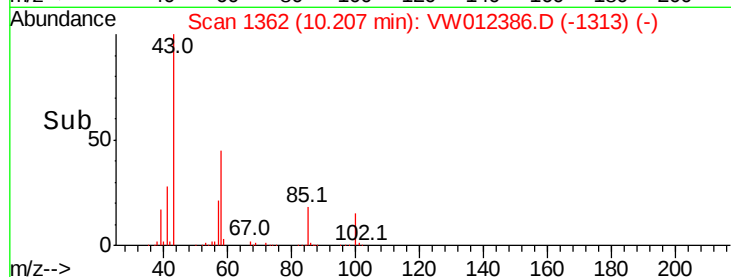
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 54.544 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012386.D

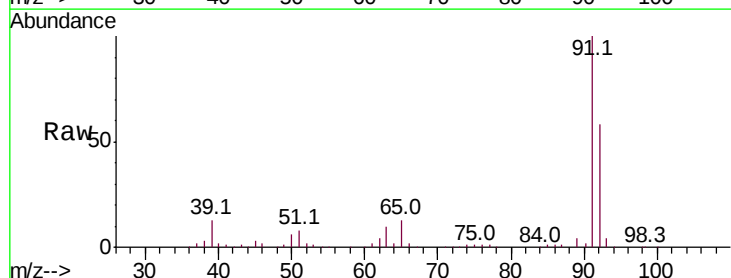
Acq: 31 Aug 2019 08:05

Tgt Ion: 92 Resp: 253635

Ion Ratio Lower Upper

92 100

91 169.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

250000

200000

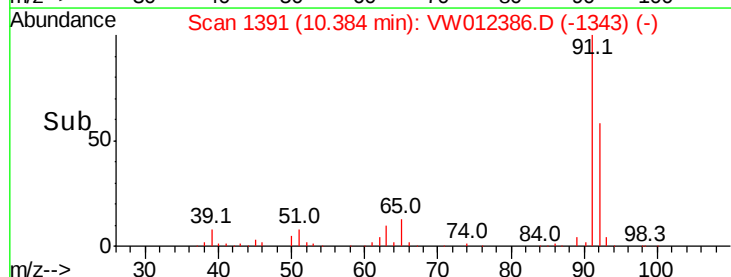
150000

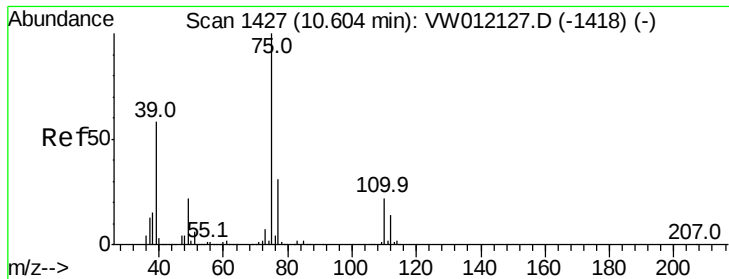
100000

50000

0

Time-->

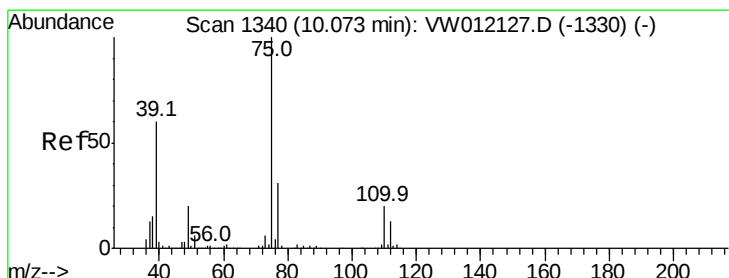
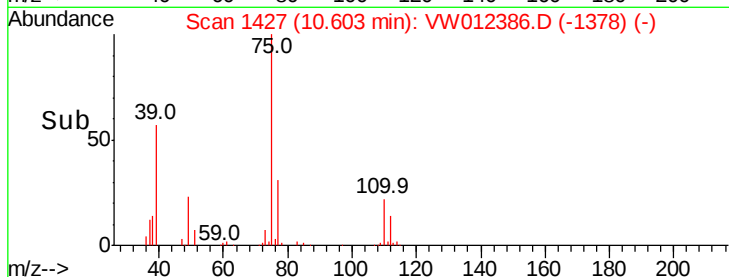
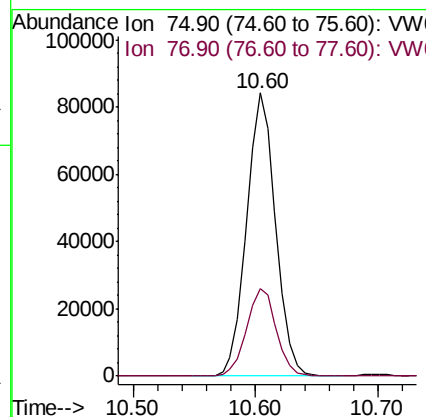
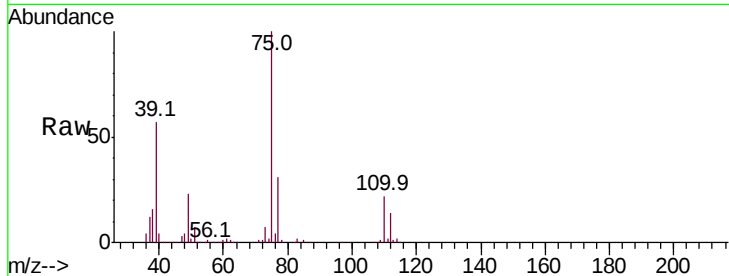




#53
 t-1,3-Dichloropropene
 Concen: 55.012 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

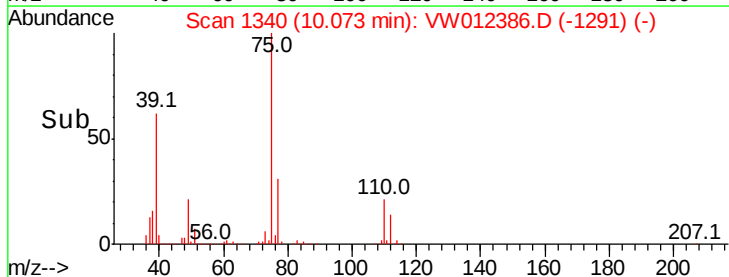
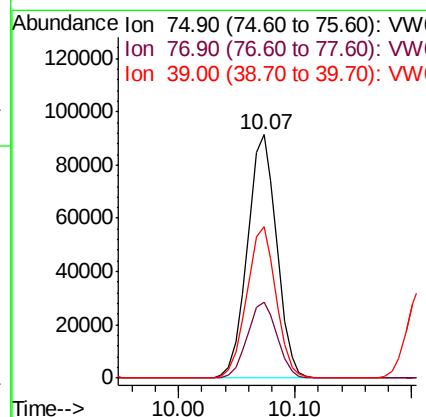
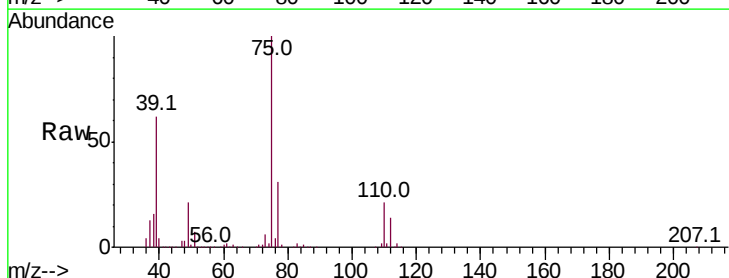
Instrument :
 MSVOA_W
 ClientSampled :

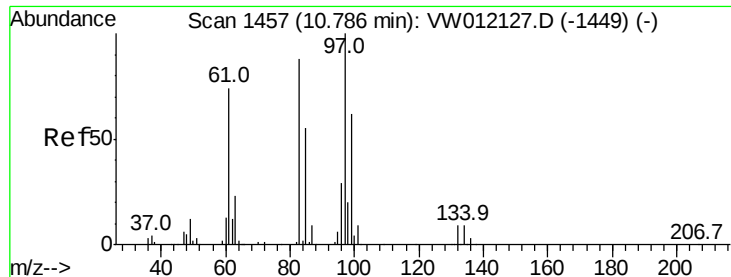
Tot Ion: 75 Resp: 138233
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 52.969 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion: 75 Resp: 160709
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.1 37.7
 39 61.9 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 57.597 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 75533

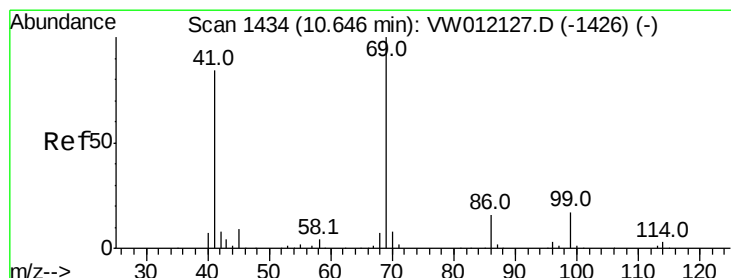
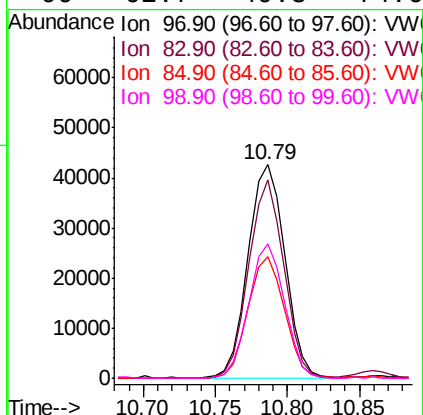
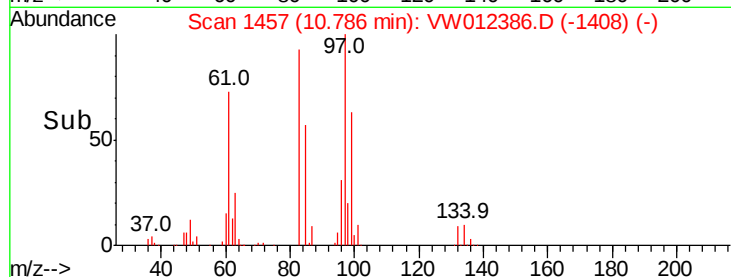
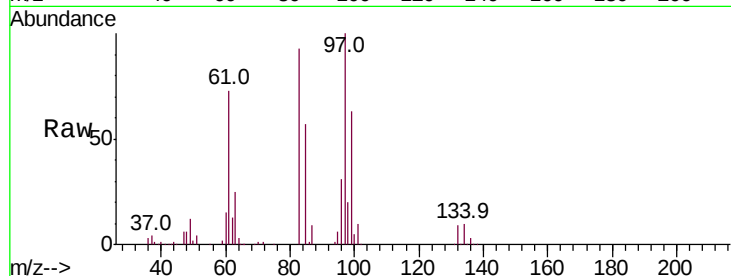
Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.8	106.2
85	57.1	43.8	65.8
99	62.7	49.8	74.6

97 100

83 93.1 70.8 106.2

85 57.1 43.8 65.8

99 62.7 49.8 74.6



#56

Ethyl methacrylate

Concen: 58.873 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

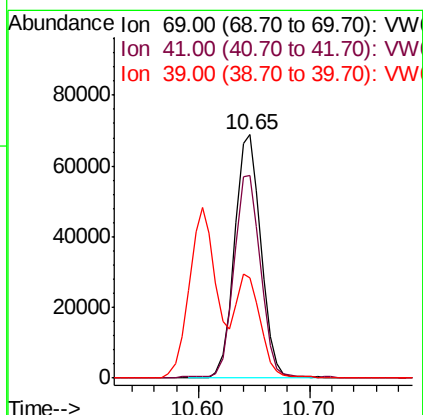
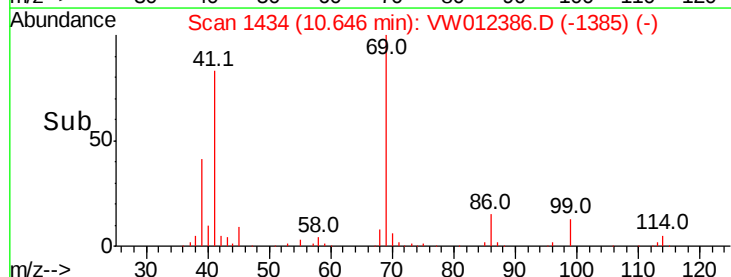
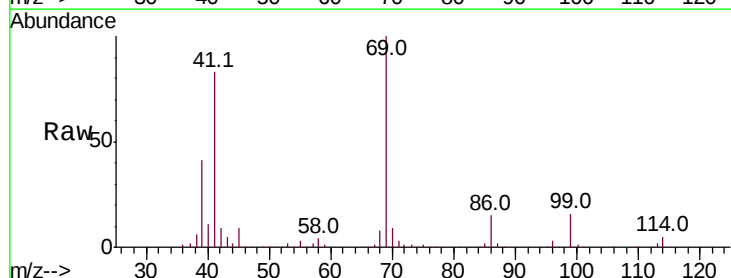
Tgt Ion: 69 Resp: 112368

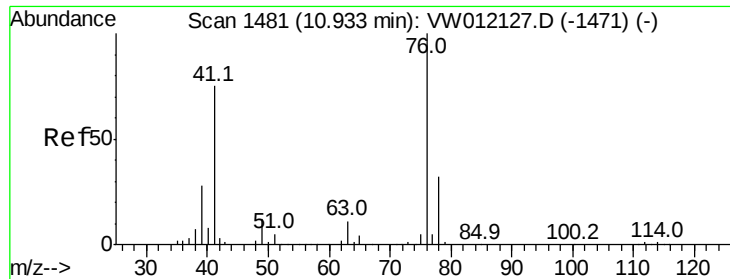
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.5	99.7
39	38.6	31.0	46.4

69 100

41 85.5 66.5 99.7

39 38.6 31.0 46.4





#57

1,3-Dichloropropane

Concen: 57.316 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

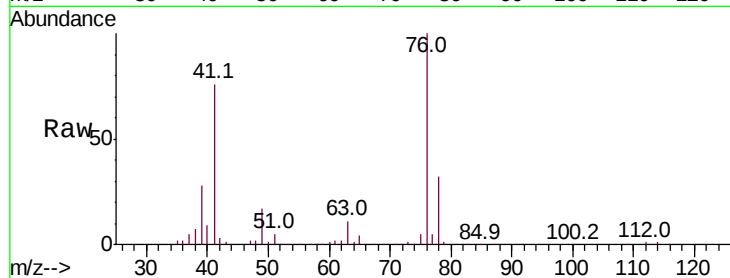
ClientSampleId :

Tot Ion: 76 Resp: 142041

Ion Ratio Lower Upper

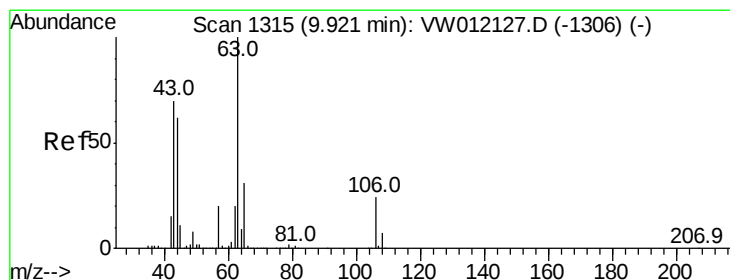
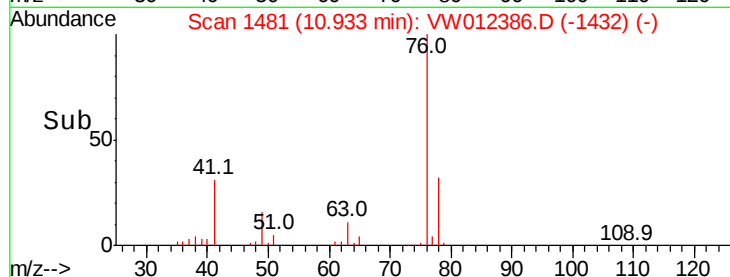
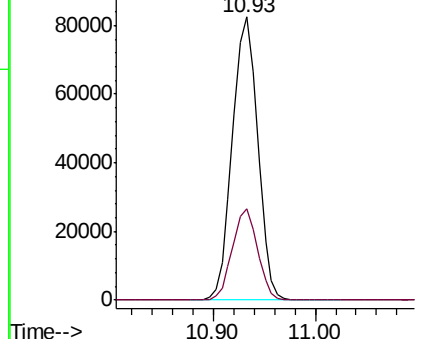
76 100

78 31.9 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: 312.014 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012386.D

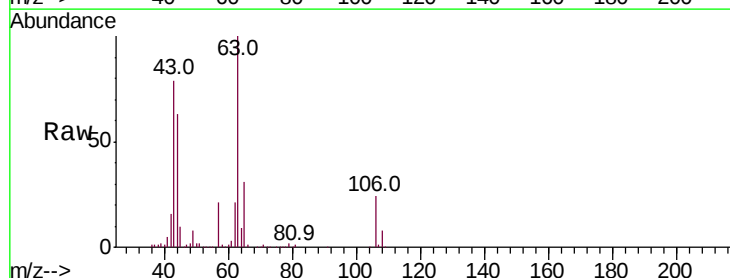
Acq: 31 Aug 2019 08:05

Tgt Ion: 63 Resp: 305636

Ion Ratio Lower Upper

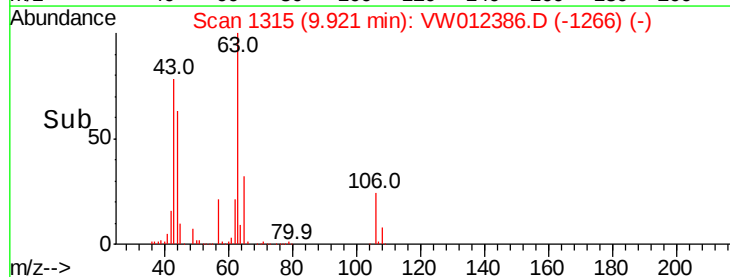
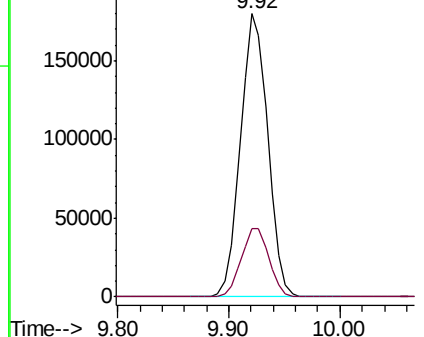
63 100

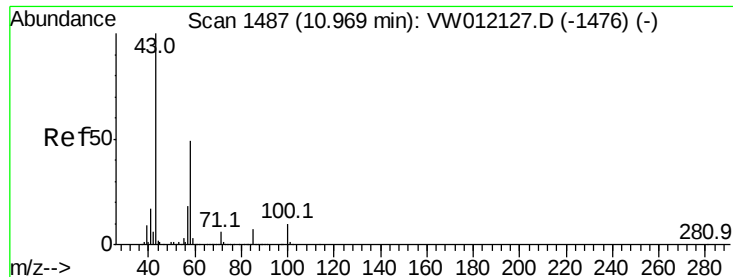
106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

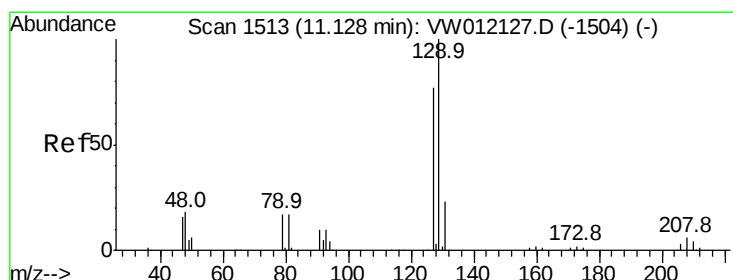
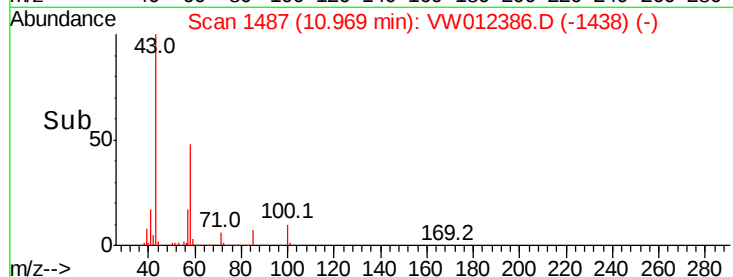
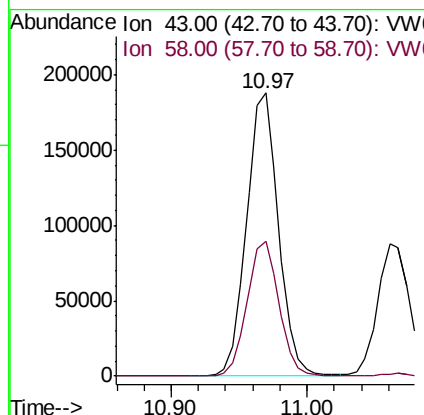
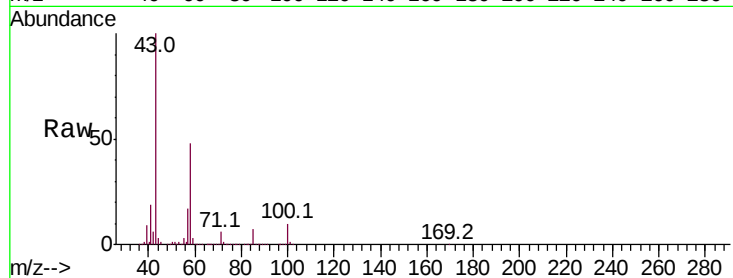




#59
2-Hexanone
Concen: 297.011 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

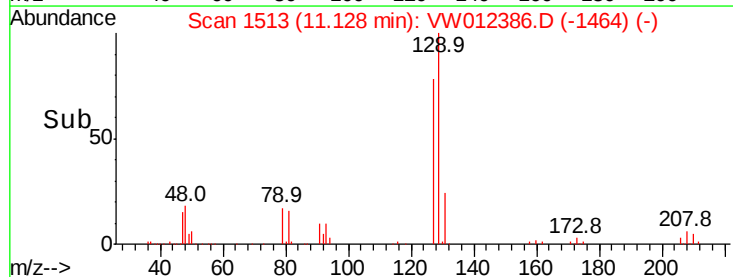
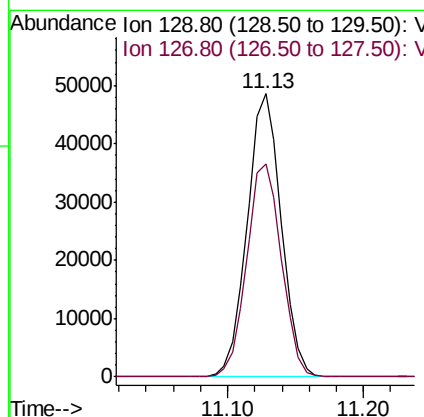
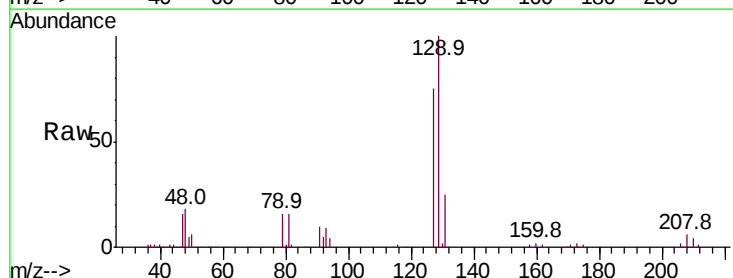
Instrument :
MSVOA_W
ClientSampled :

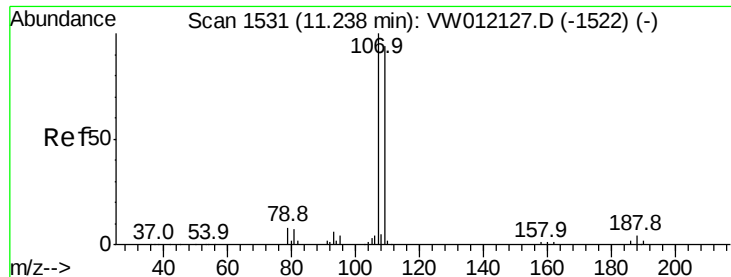
Tot Ion: 43 Resp: 307568
Ion Ratio Lower Upper
43 100
58 47.9 24.3 72.9



#60
Dibromochloromethane
Concen: 58.284 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 129 Resp: 85135
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

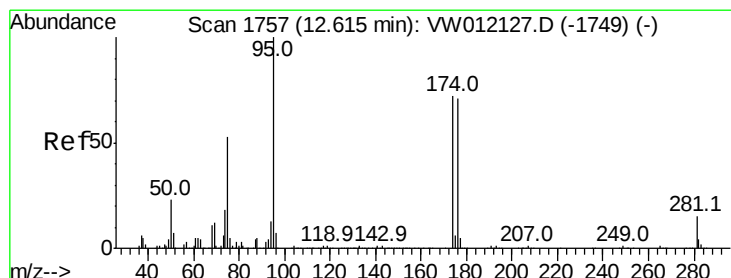
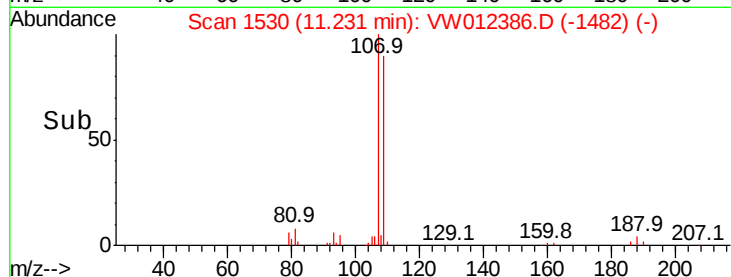
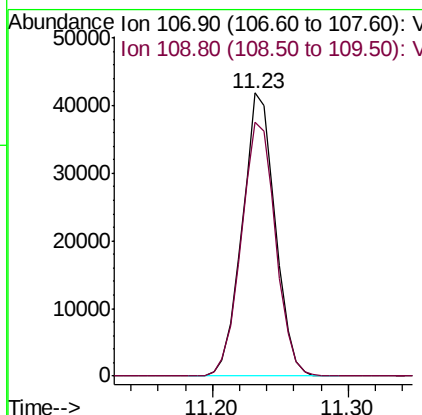
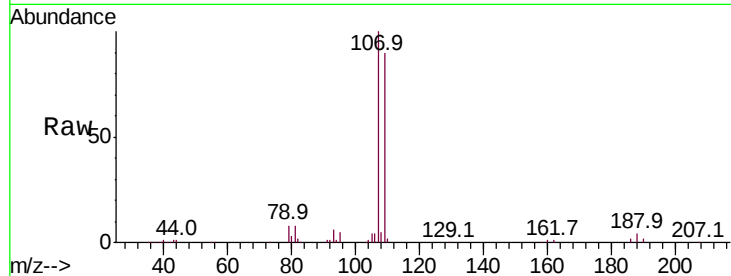




#61
 1,2-Dibromoethane
 Concen: 58.045 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

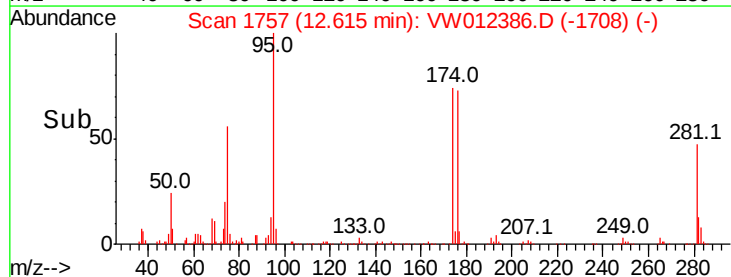
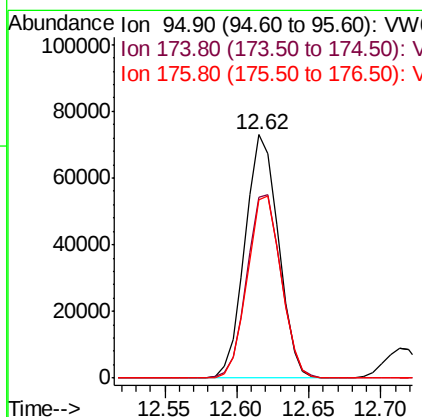
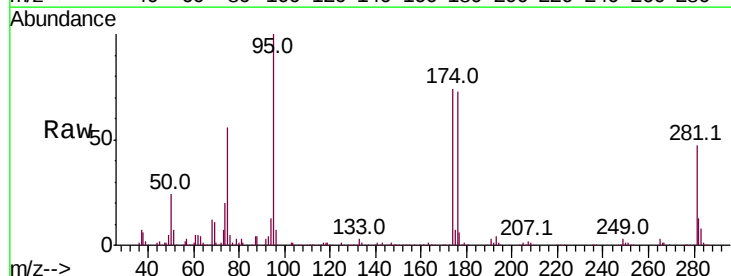
Instrument :
 MSVOA_W
 ClientSampleId :

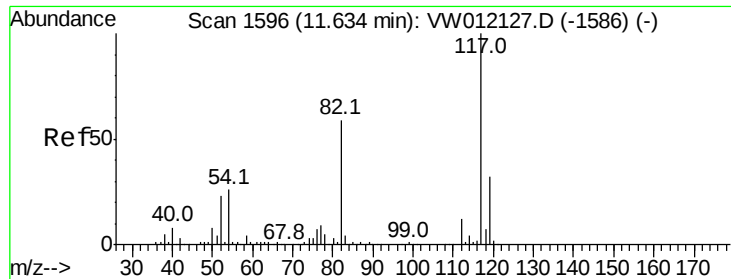
Tot Ion:107 Resp: 70916
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.026 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion: 95 Resp: 117077
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 150.8
 176 75.6 0.0 148.6

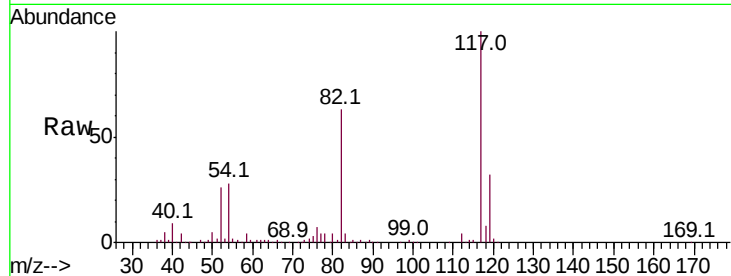




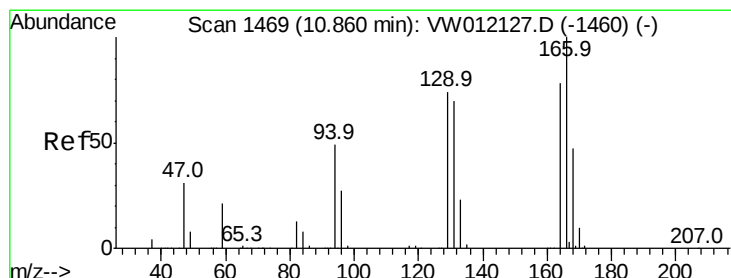
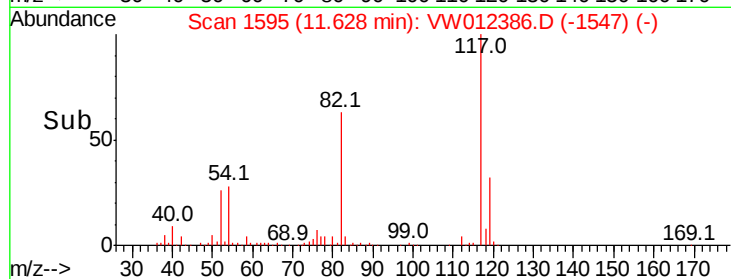
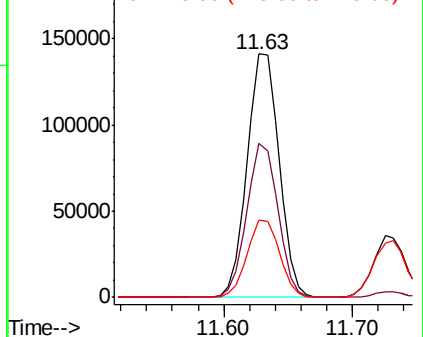
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 241792
Ion Ratio Lower Upper
117 100
82 63.2 47.4 71.2
119 31.5 25.4 38.2



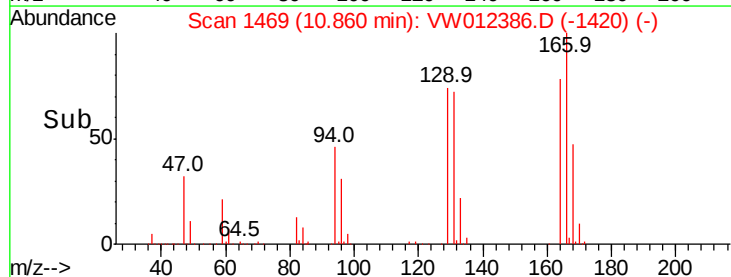
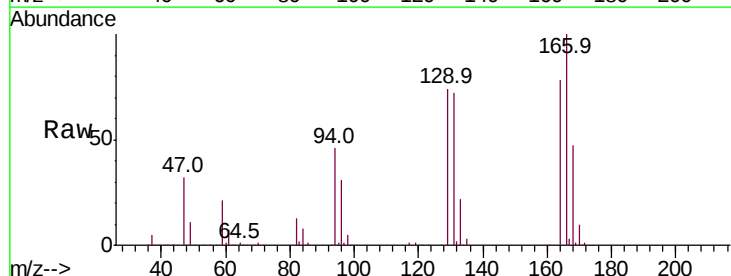
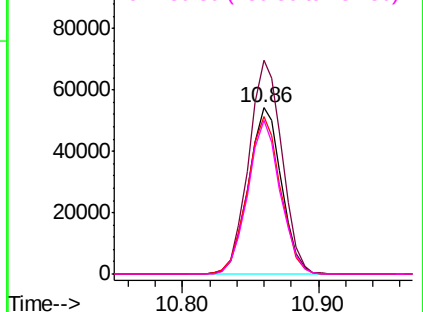
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

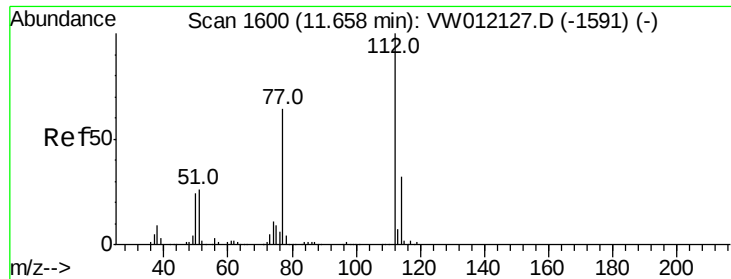


#64
Tetrachloroethene
Concen: 58.983 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:164 Resp: 92463
Ion Ratio Lower Upper
164 100
166 128.6 102.4 153.6
129 95.0 75.8 113.6
131 92.8 71.4 107.2

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

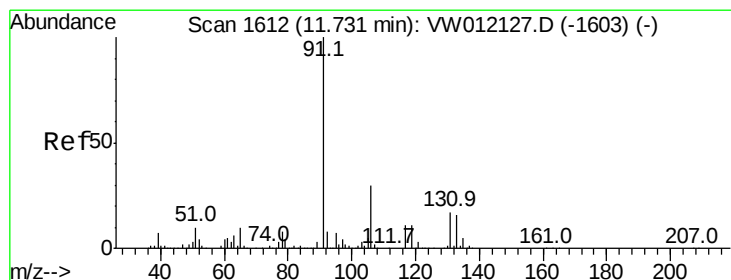
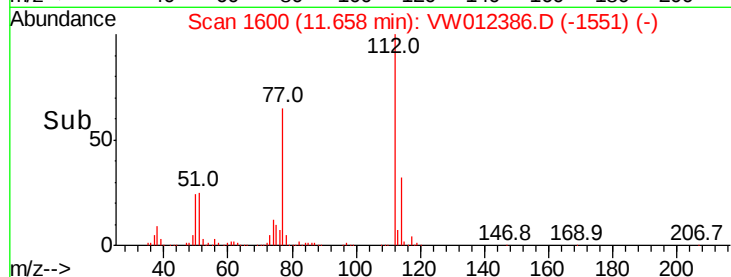
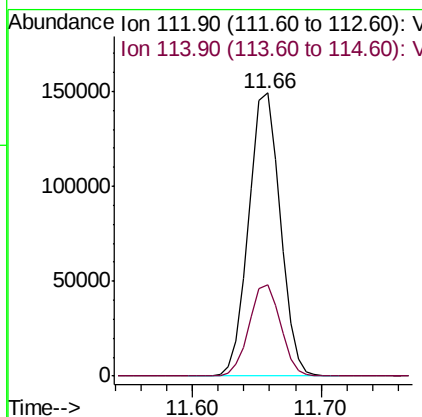
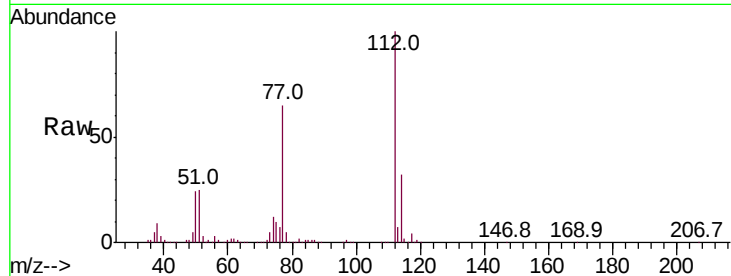




#65
Chlorobenzene
Concen: 53.027 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

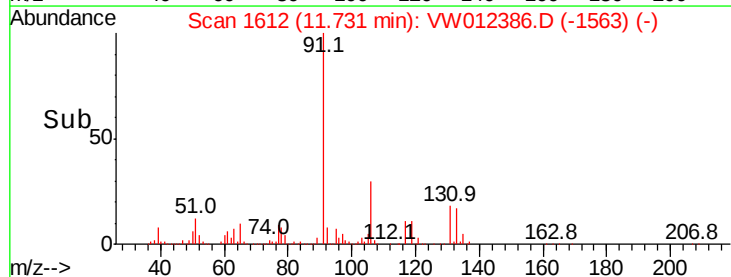
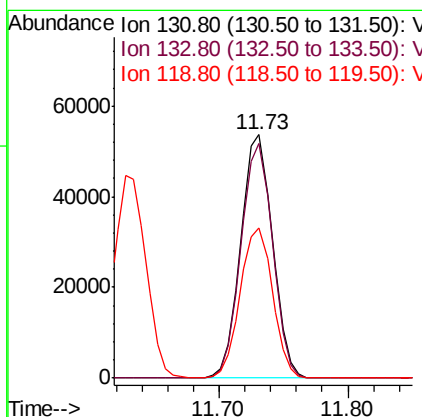
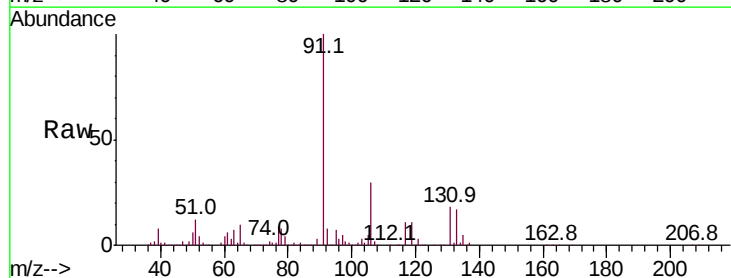
Instrument :
MSVOA_W
ClientSampleId :

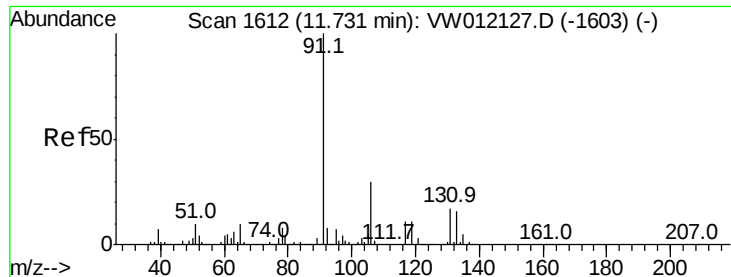
Tot Ion:112 Resp: 252466
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.186 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:131 Resp: 91661
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 63.2 31.8 95.3

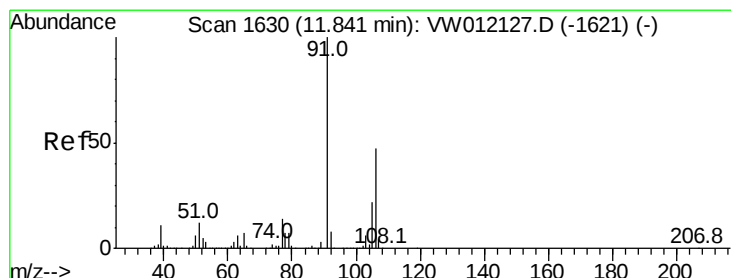
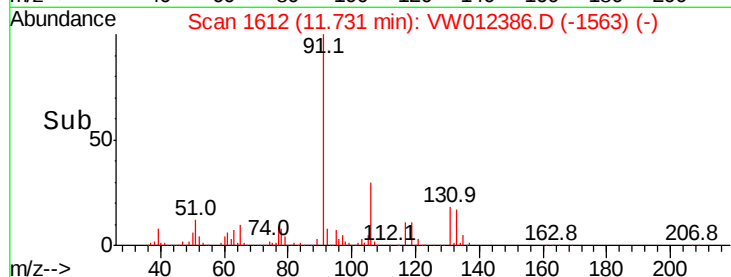
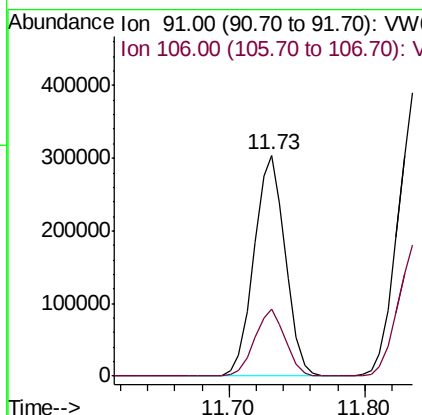
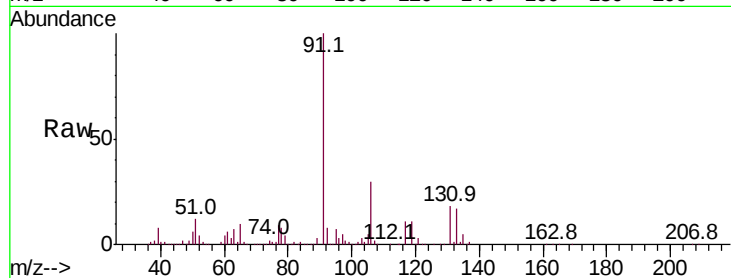




#67
Ethyl Benzene
Concen: 53.356 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

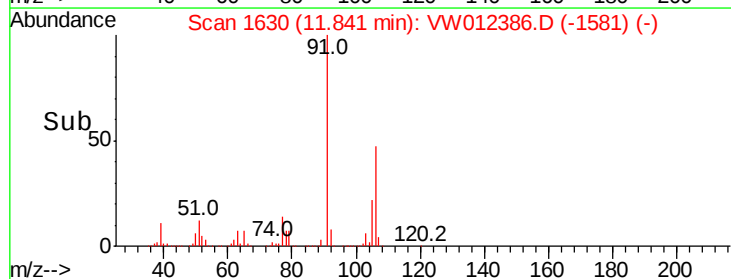
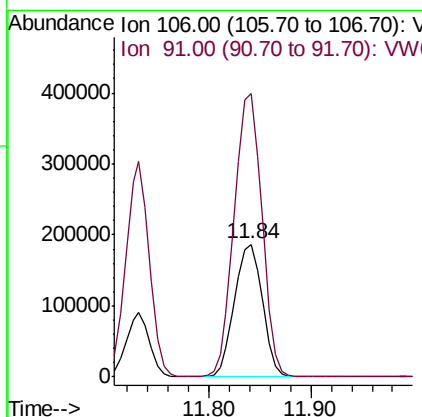
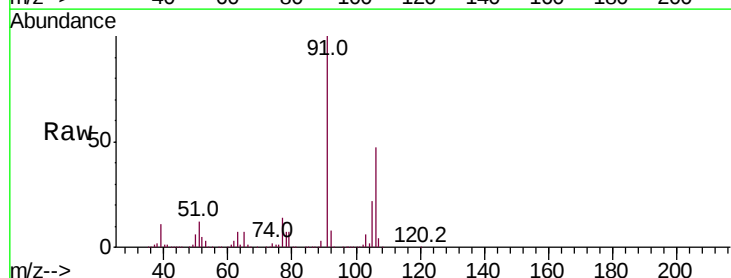
Instrument :
MSVOA_W
ClientSampleId :

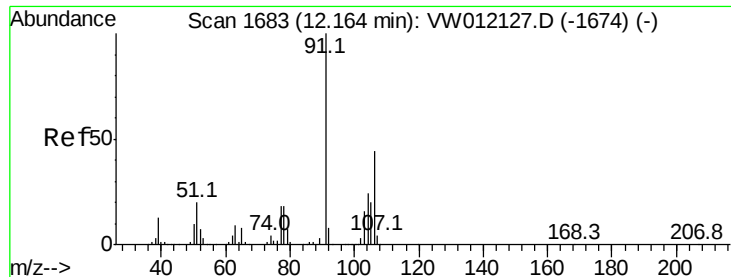
Tot Ion: 91 Resp: 489354
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 107.018 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:106 Resp: 353551
Ion Ratio Lower Upper
106 100
91 212.9 169.5 254.3

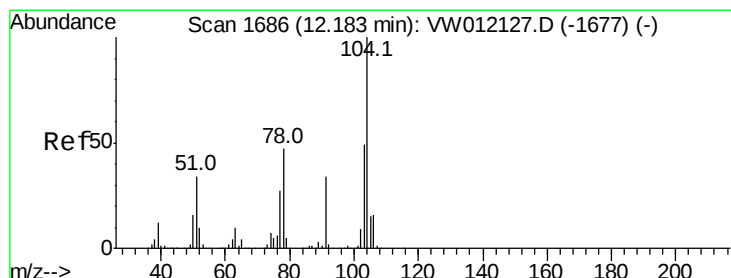
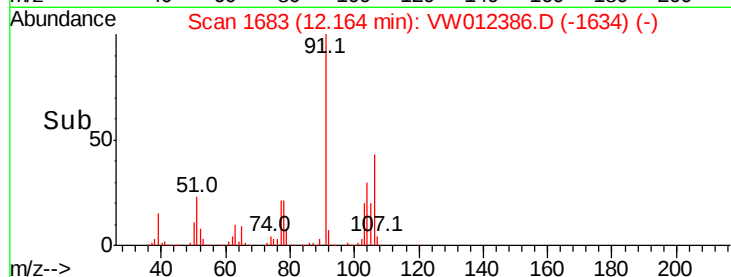
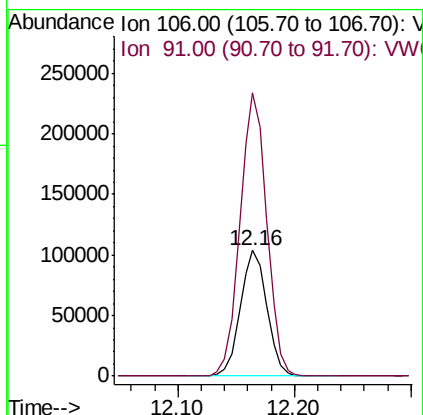
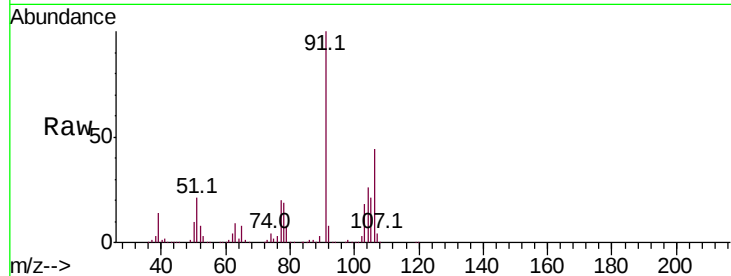




#69
o-Xylene
Concen: 53.964 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

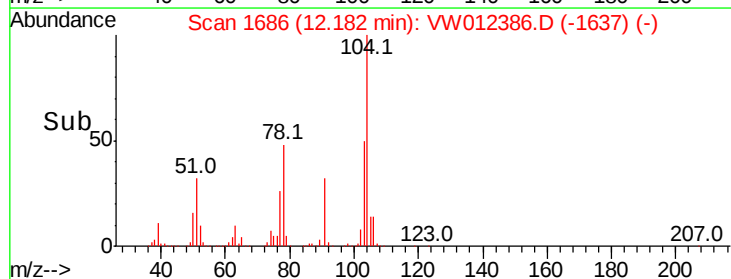
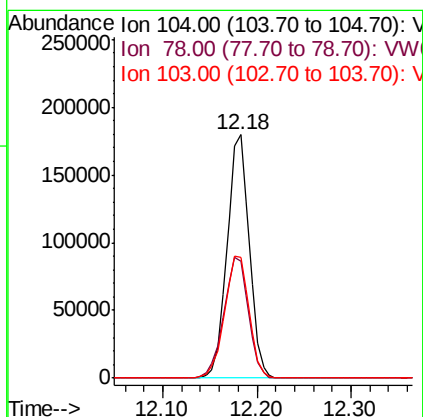
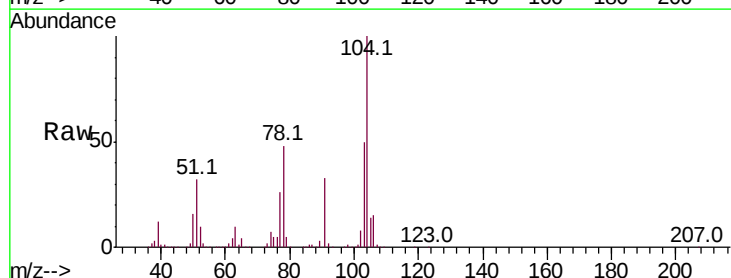
Instrument :
MSVOA_W
ClientSampled :

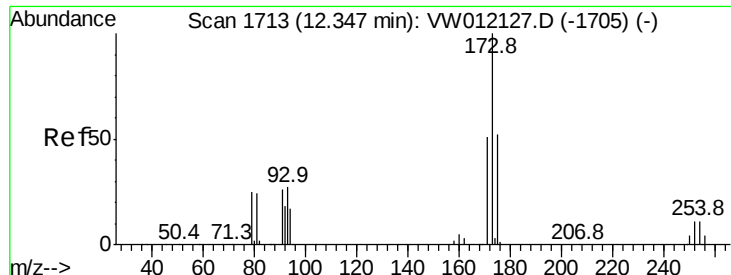
Tot Ion:106 Resp: 165002
Ion Ratio Lower Upper
106 100
91 226.7 111.6 334.6



#70
Styrene
Concen: 55.225 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:104 Resp: 292279
Ion Ratio Lower Upper
104 100
78 55.0 43.1 64.7
103 55.3 43.5 65.3





#71

Bromoform

Concen: 58.749 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

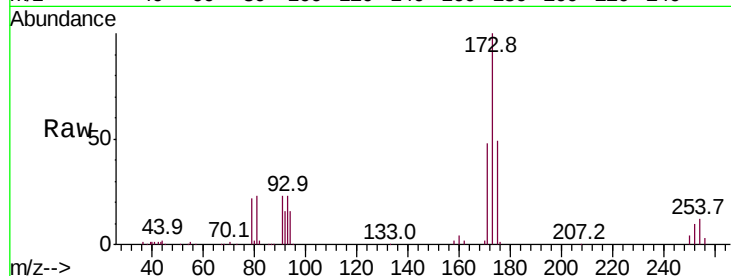
Tot Ion:173 Resp: 48617

Ion Ratio Lower Upper

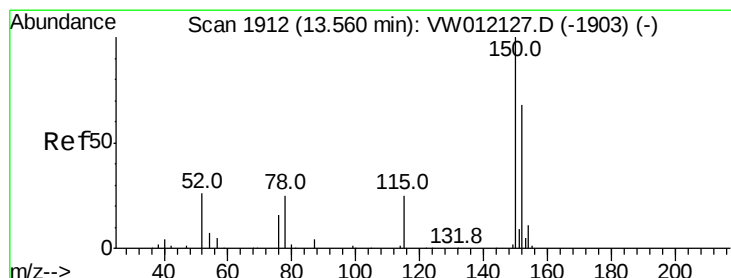
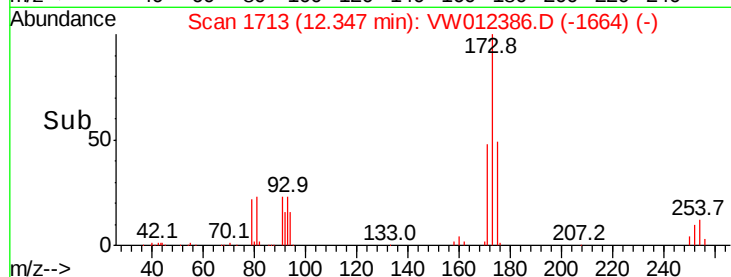
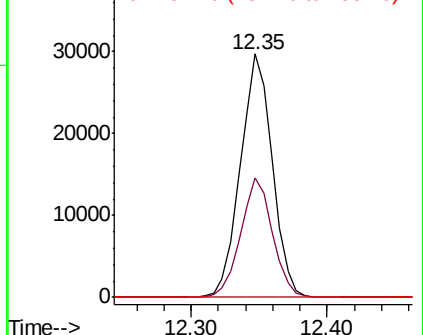
173 100

175 49.0 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: VW012386.D

Acq: 31 Aug 2019 08:05

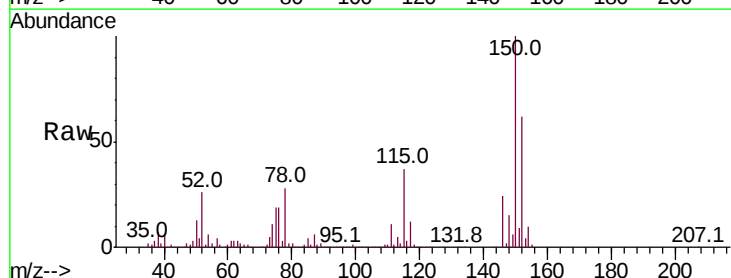
Tgt Ion:152 Resp: 120896

Ion Ratio Lower Upper

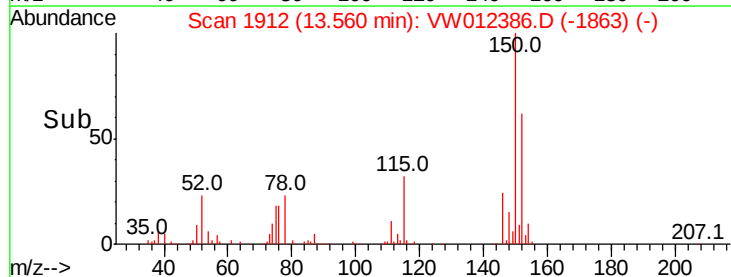
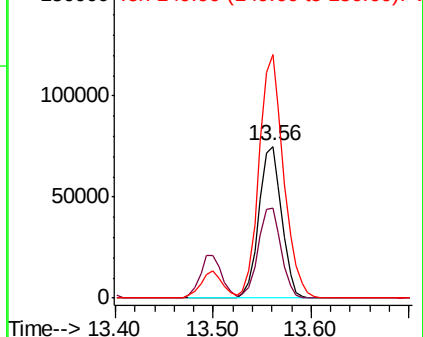
152 100

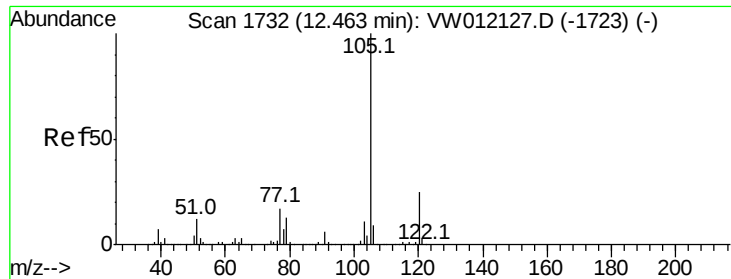
115 59.8 30.1 90.3

150 173.2 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

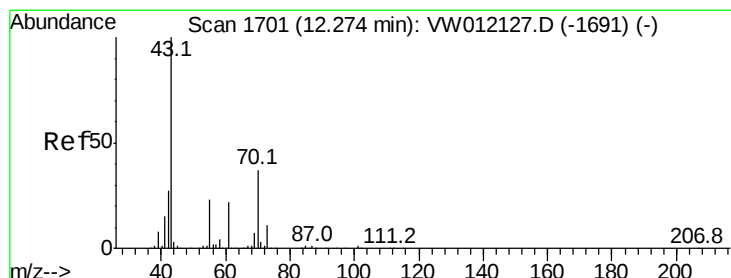
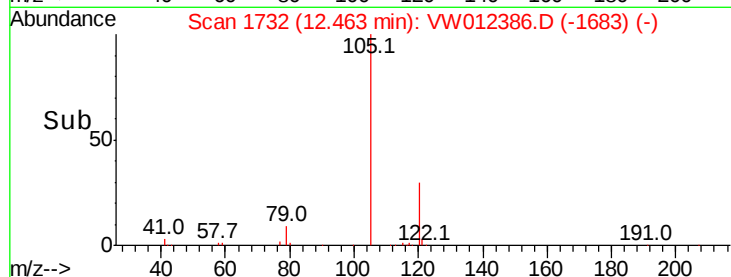
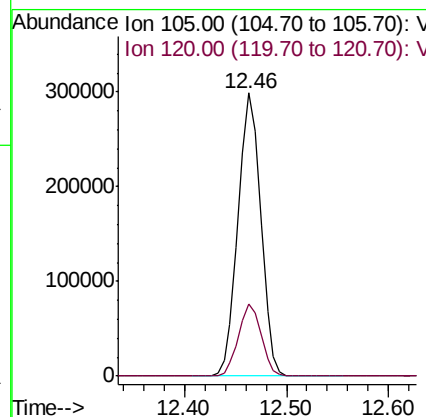
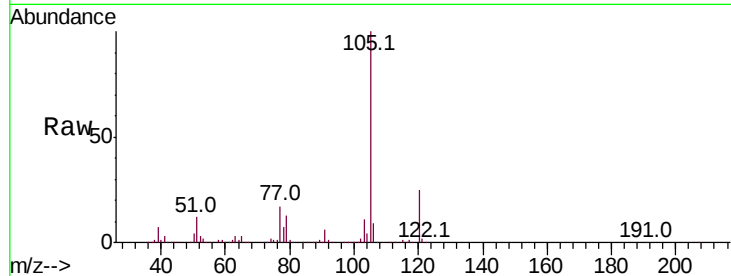




#73
Isopropylbenzene
Concen: 50.832 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

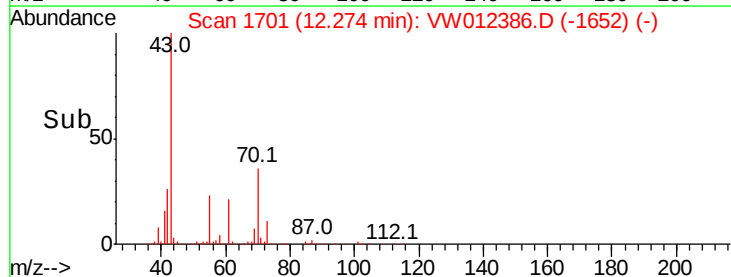
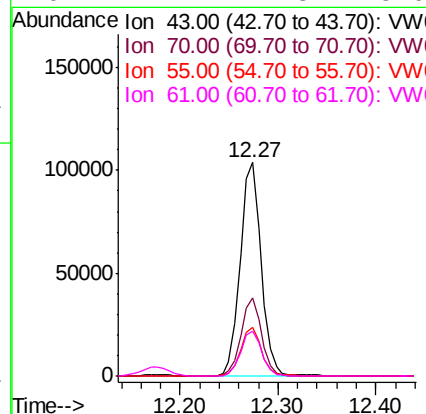
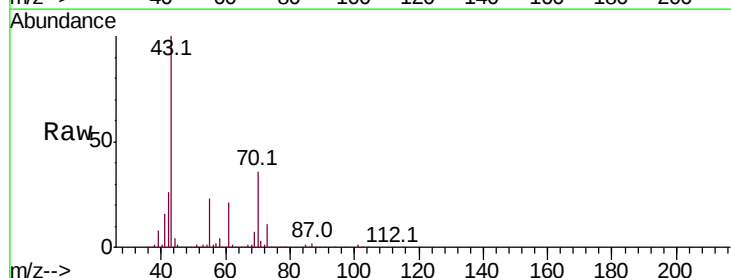
Instrument :
MSVOA_W
ClientSampleId :

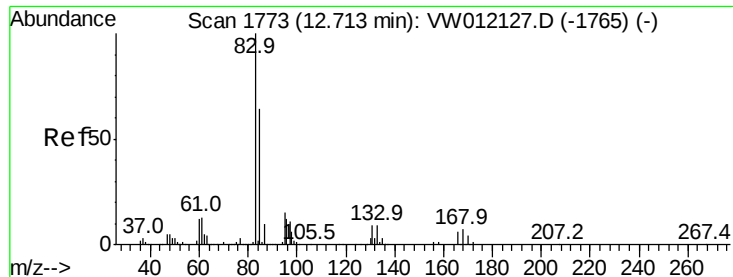
Tot Ion:105 Resp: 460484
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5



#74
N-ethyl acetate
Concen: 56.280 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 43 Resp: 154035
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 23.0 17.8 26.6
61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.508 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

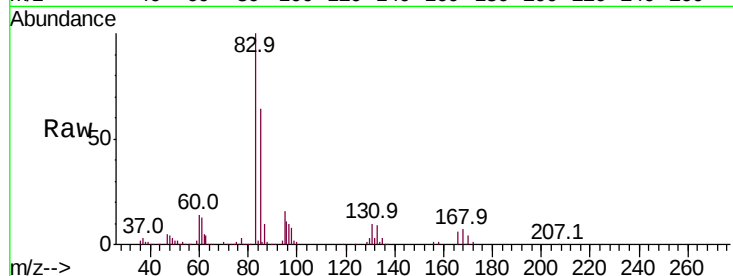
Tot Ion: 83 Resp: 90525

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

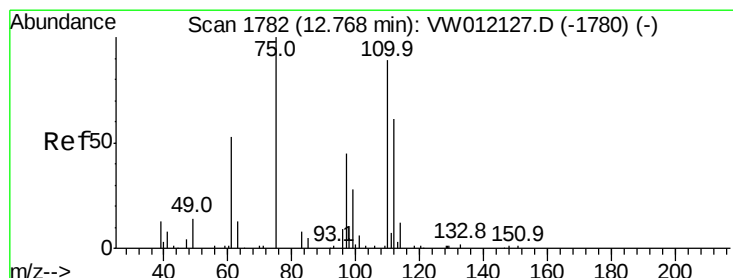
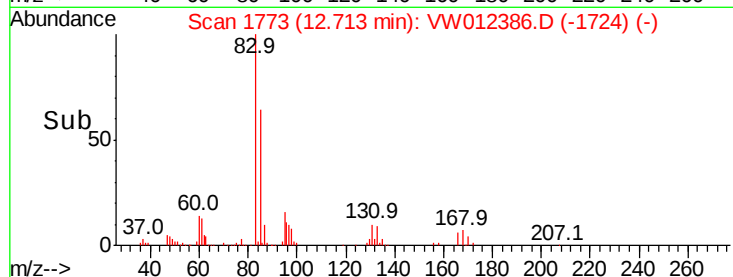
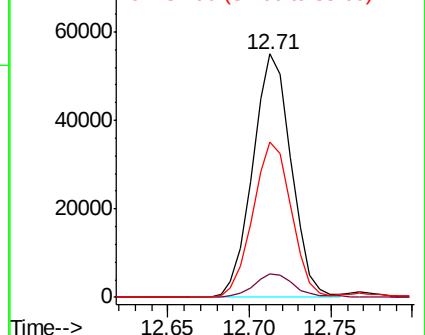
85 63.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.913 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012386.D

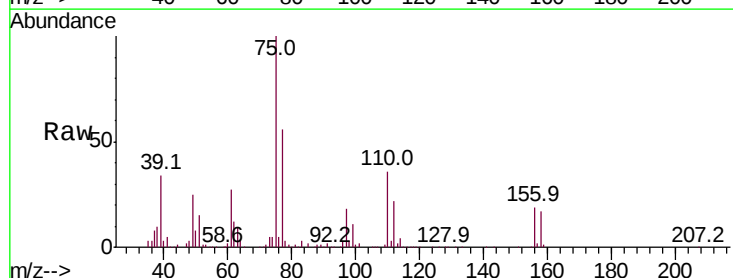
Acq: 31 Aug 2019 08:05

Tgt Ion: 75 Resp: 119997

Ion Ratio Lower Upper

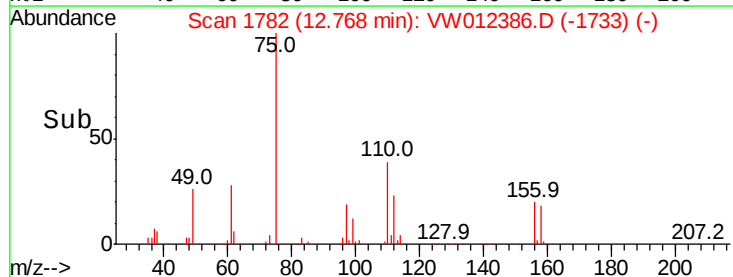
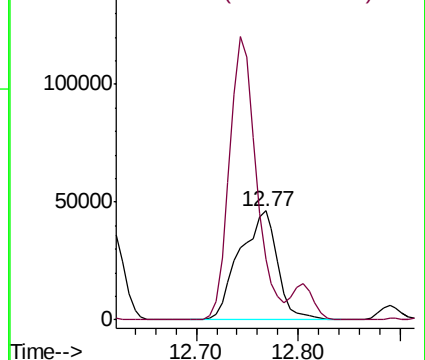
75 100

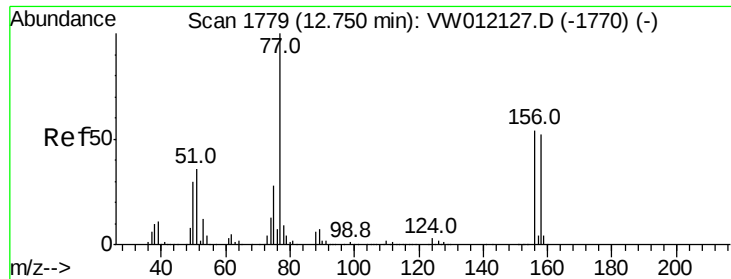
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.409 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampled :

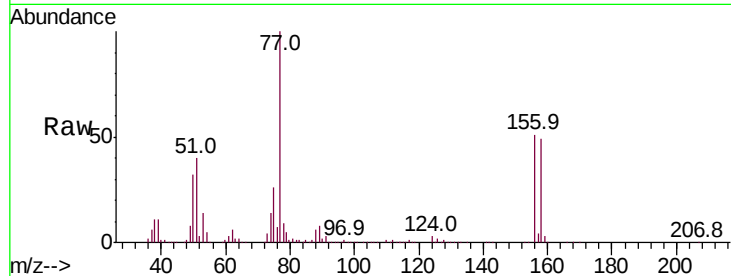
Tot Ion:156 Resp: 102712

Ion Ratio Lower Upper

156 100

77 214.9 107.3 321.8

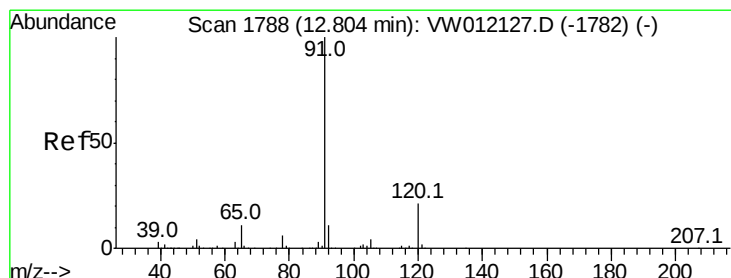
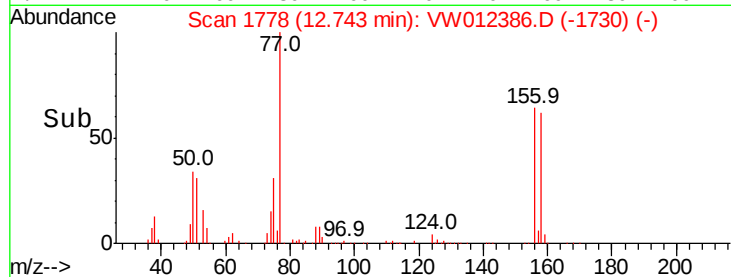
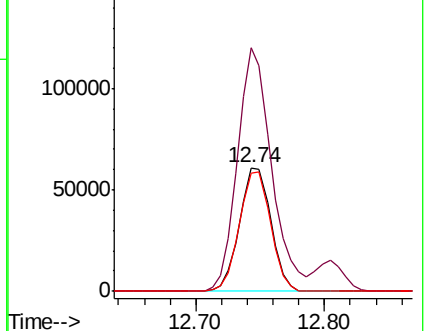
158 96.4 49.0 147.0



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: 50.697 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012386.D

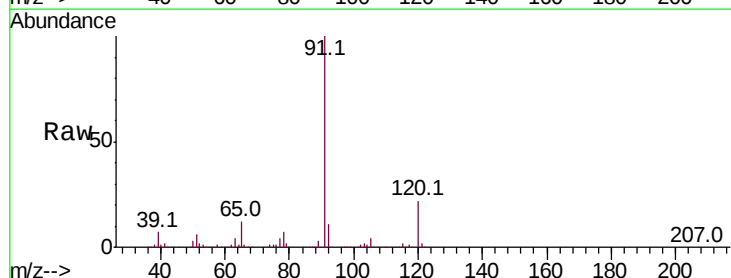
Acq: 31 Aug 2019 08:05

Tgt Ion: 91 Resp: 560659

Ion Ratio Lower Upper

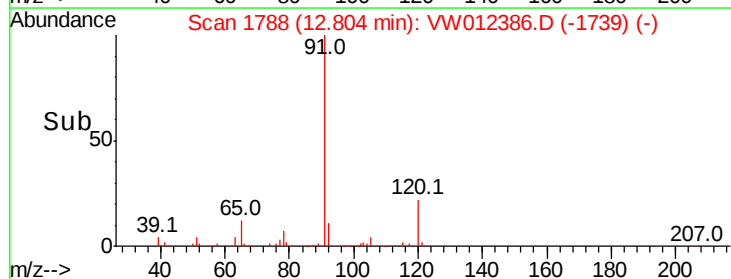
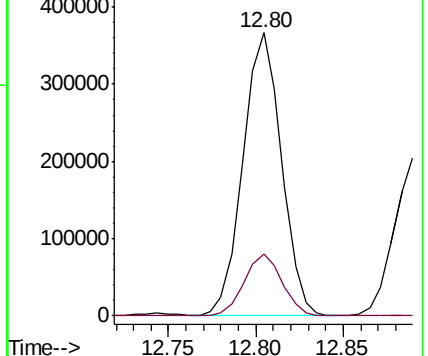
91 100

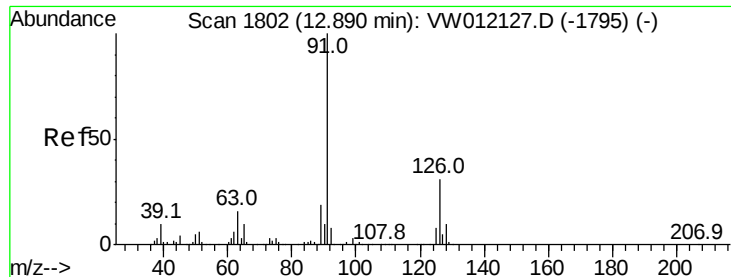
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.866 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

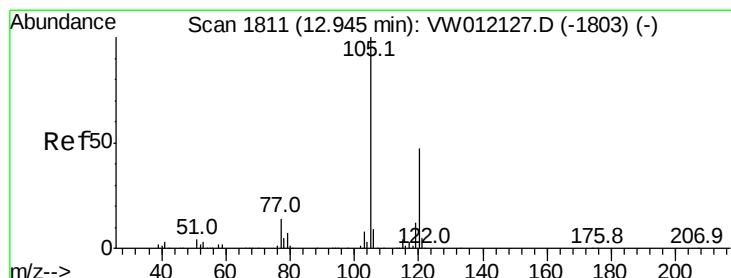
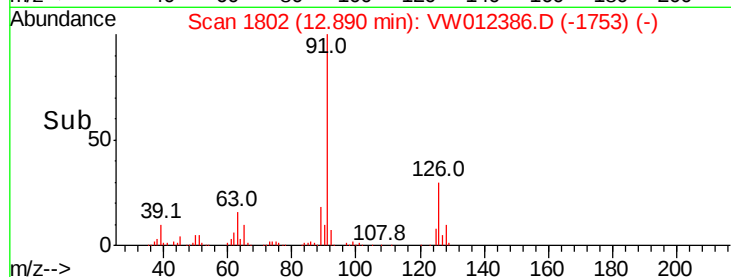
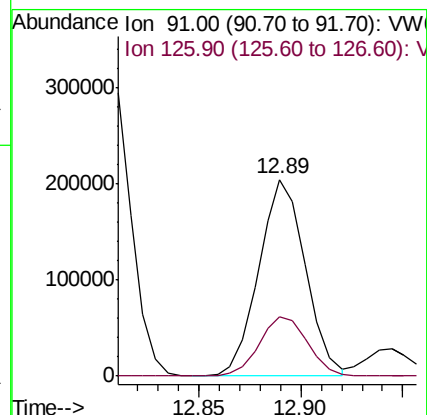
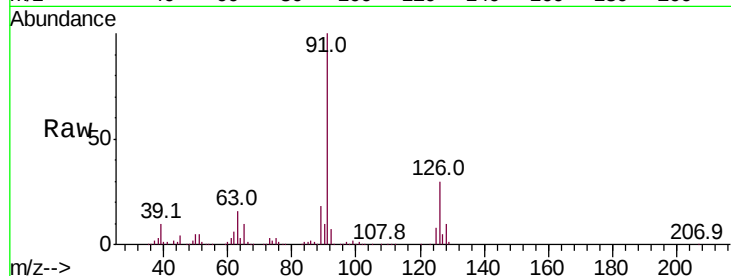
ClientSampleId :

Tot Ion: 91 Resp: 325653

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 52.509 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012386.D

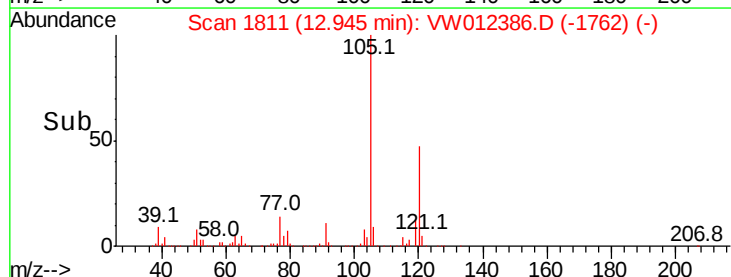
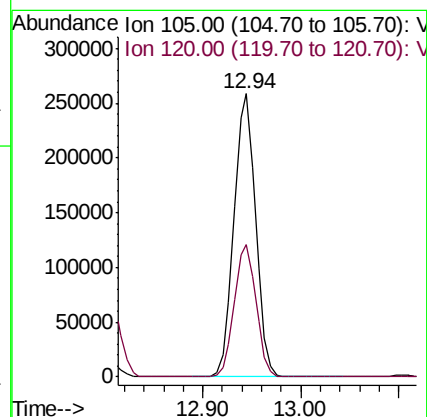
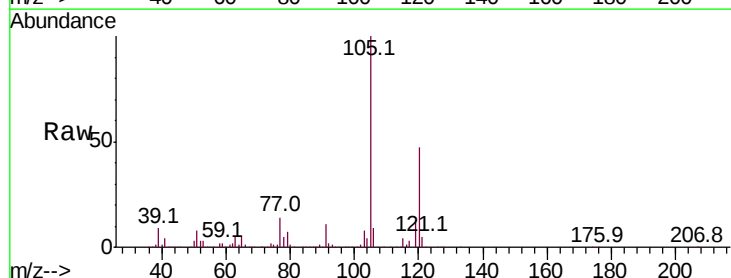
Acq: 31 Aug 2019 08:05

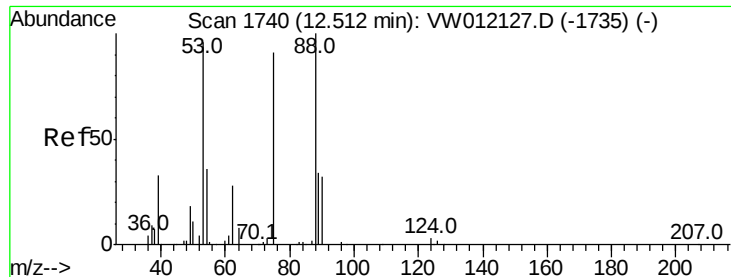
Tgt Ion:105 Resp: 397469

Ion Ratio Lower Upper

105 100

120 47.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.512 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampled :

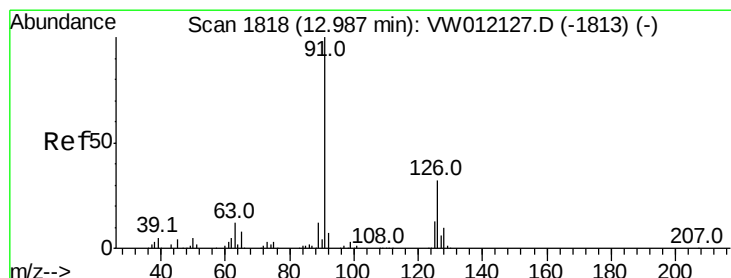
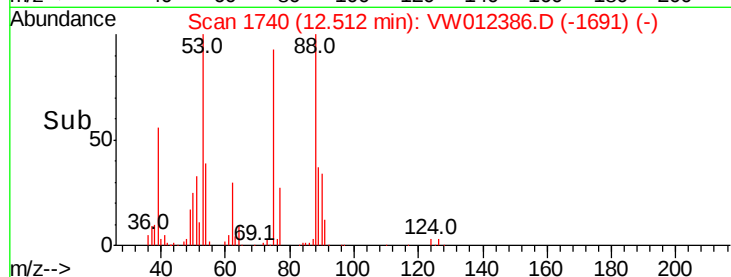
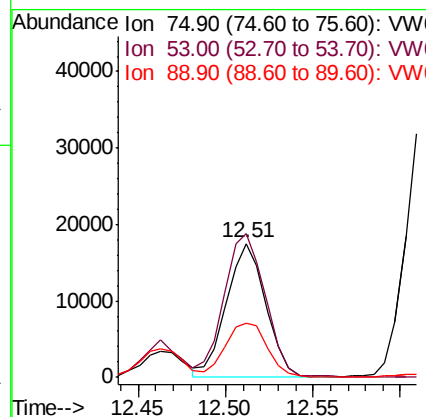
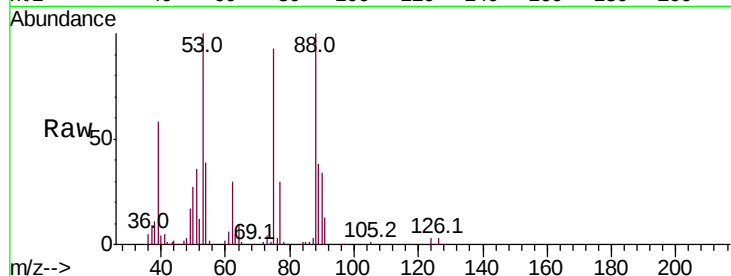
Tot Ion: 75 Resp: 27126

Ion Ratio Lower Upper

75 100

53 114.1 89.4 134.0

89 43.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 51.863 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012386.D

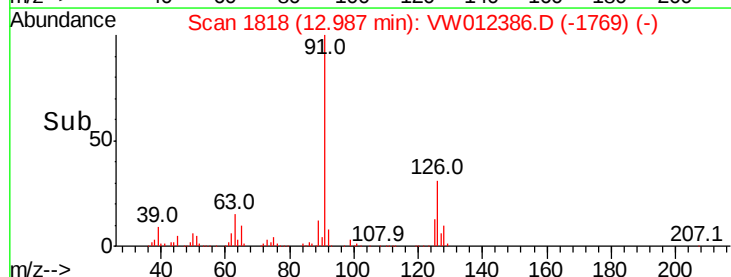
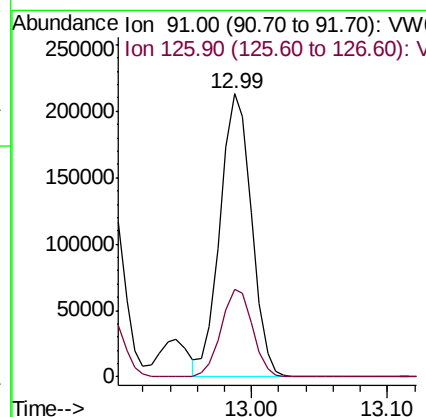
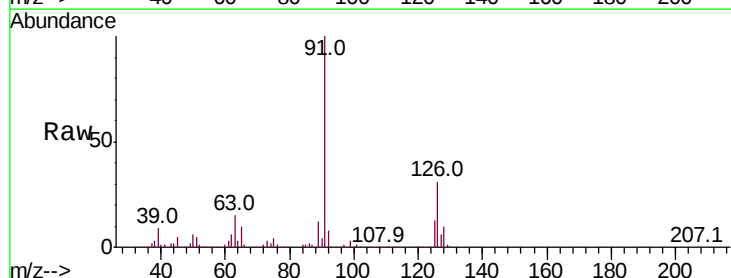
Acq: 31 Aug 2019 08:05

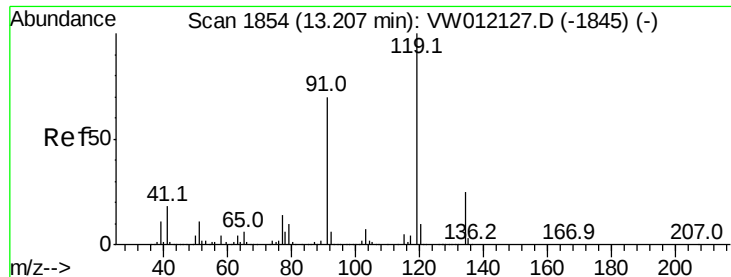
Tgt Ion: 91 Resp: 340960

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.8





#83

tert-Butylbenzene

Concen: 52.162 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

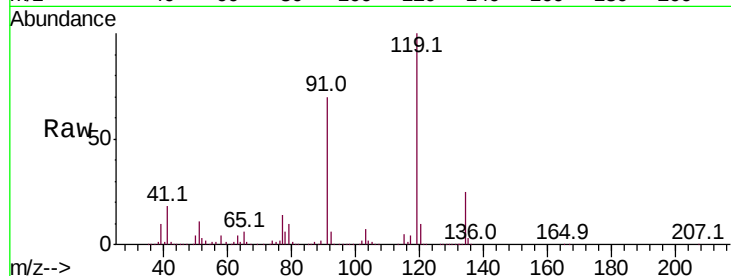
Tot Ion:119 Resp: 334468

Ion Ratio Lower Upper

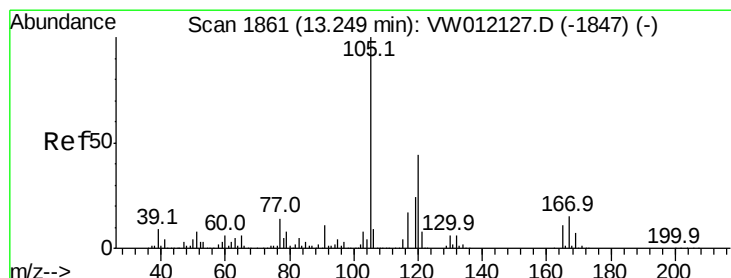
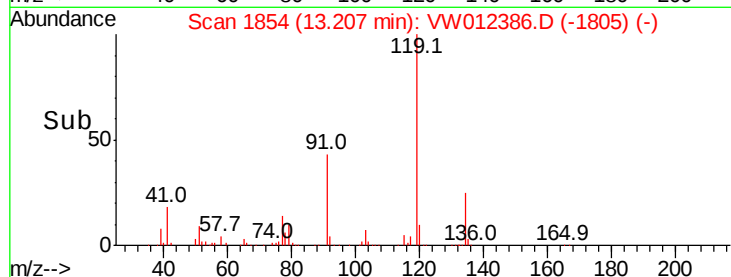
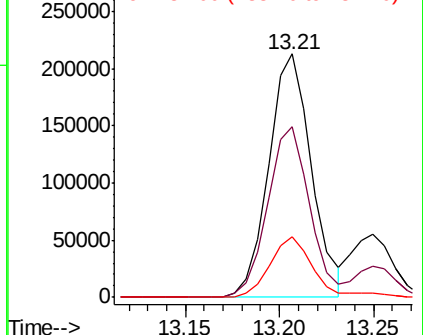
119 100

91 68.7 34.8 104.3

134 25.8 13.3 39.8



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



#84

1,2,4-Trimethylbenzene

Concen: 52.423 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012386.D

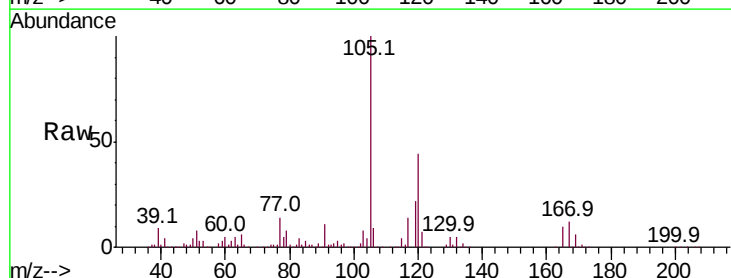
Acq: 31 Aug 2019 08:05

Tgt Ion:105 Resp: 398618

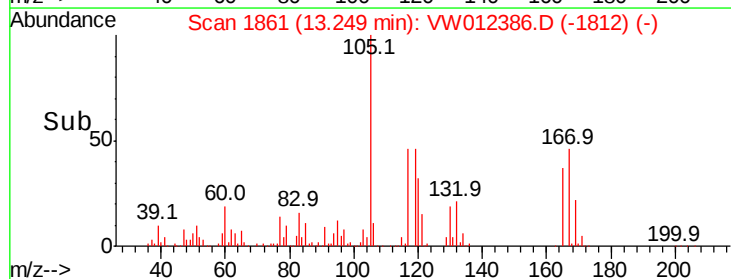
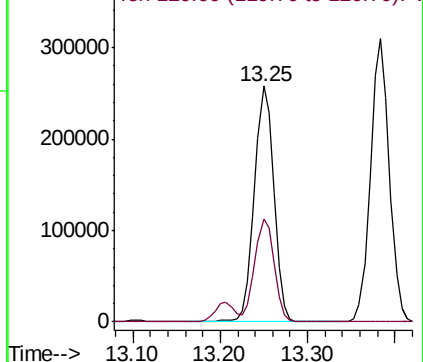
Ion Ratio Lower Upper

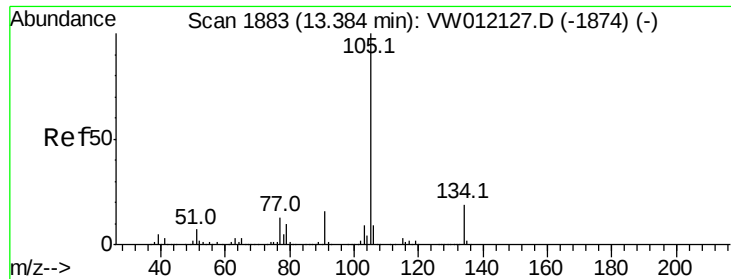
105 100

120 43.4 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 50.600 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

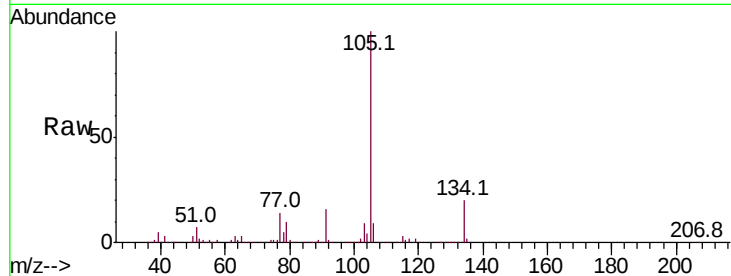
ClientSampleId :

Tot Ion:105 Resp: 464838

Ion Ratio Lower Upper

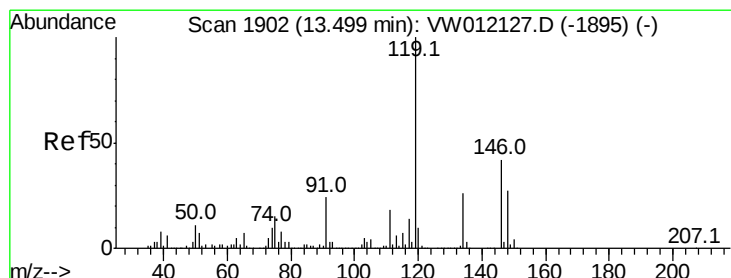
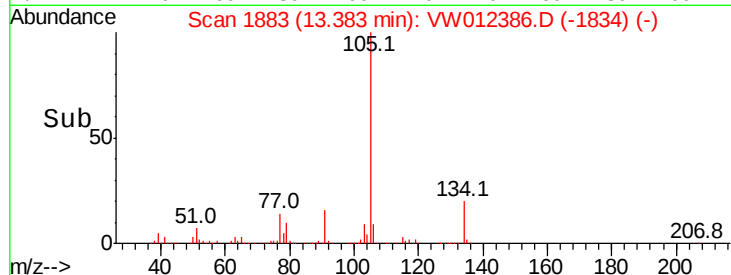
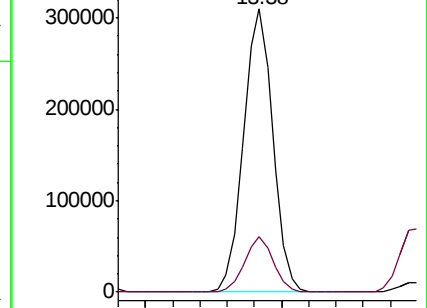
105 100

134 19.2 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.585 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

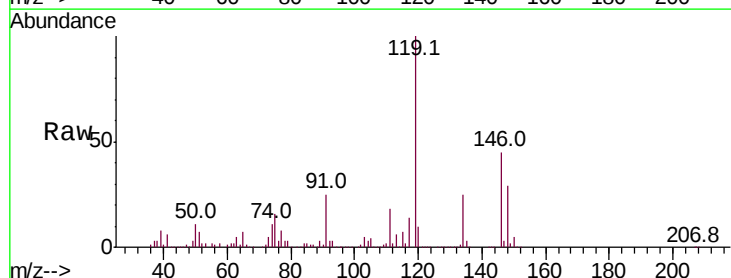
Tgt Ion:119 Resp: 423207

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

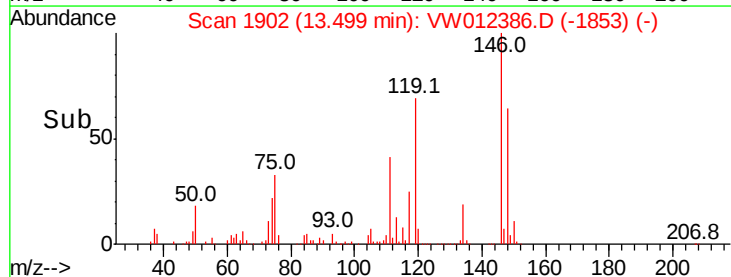
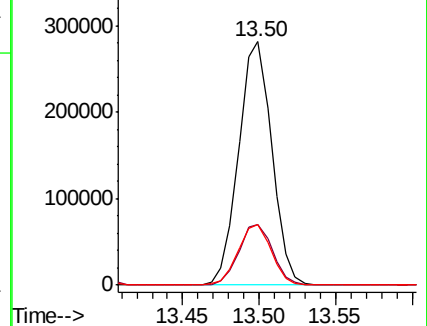
91 24.8 12.3 36.9

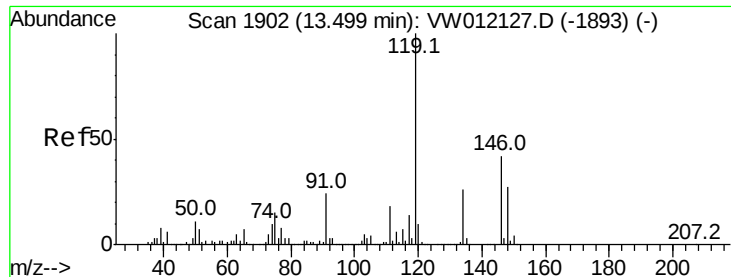


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

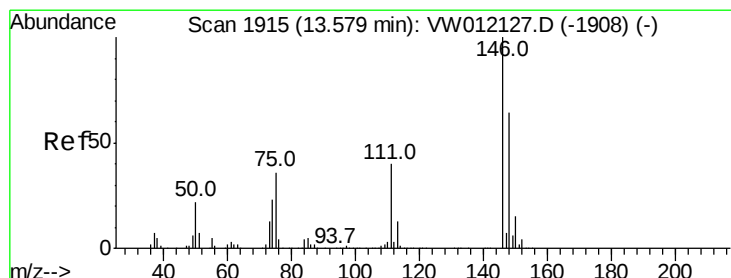
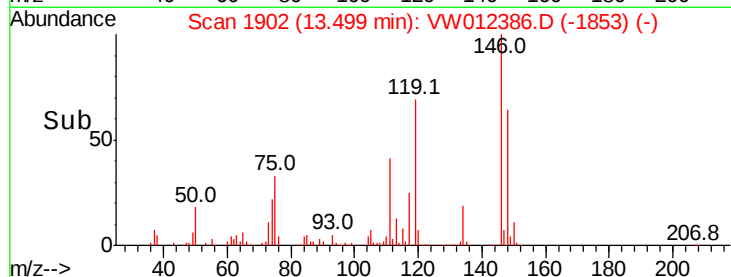
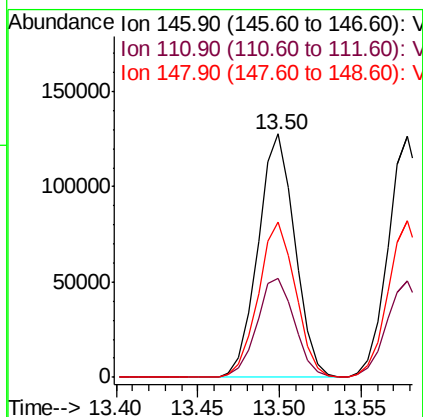
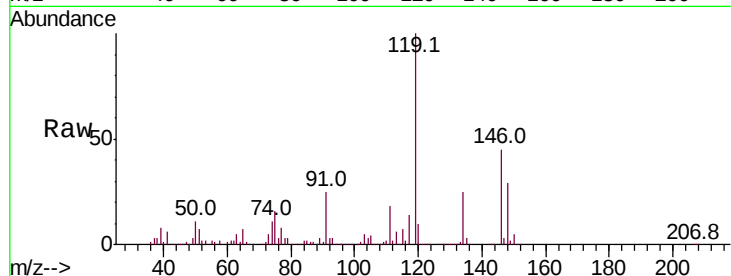




#87
 1,3-Dichlorobenzene
 Concen: 52.308 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

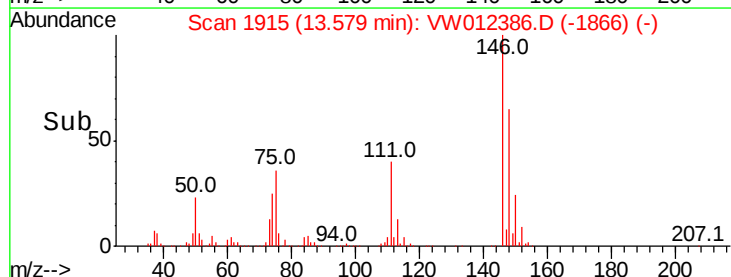
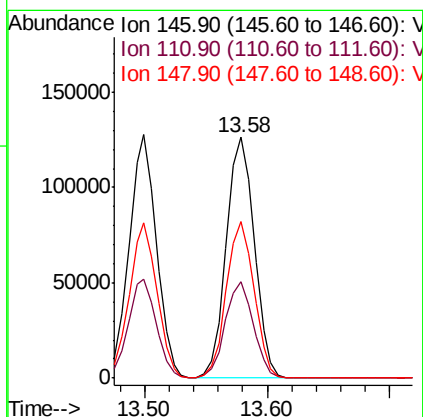
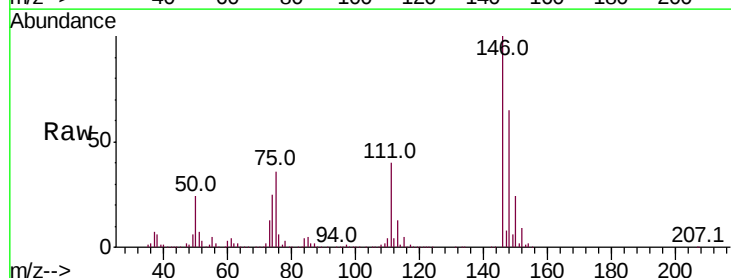
Instrument :
 MSVOA_W
 ClientSampleId :

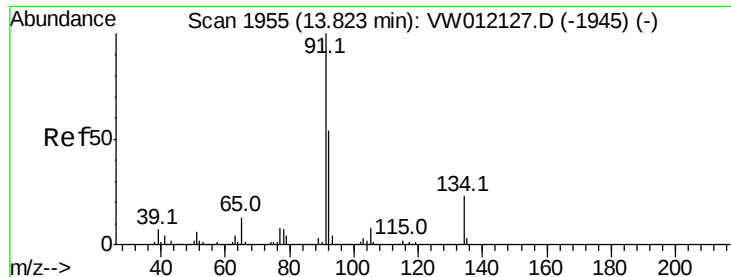
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	64.5	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 52.731 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 50.781 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

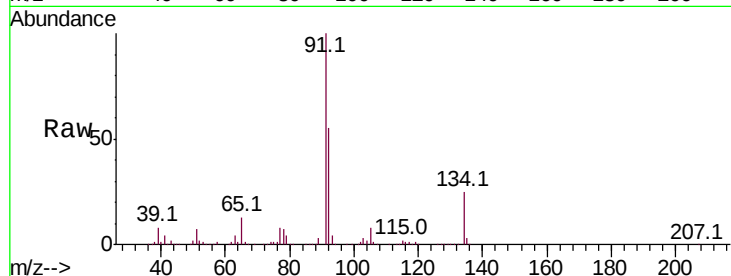
Tot Ion: 91 Resp: 414289

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

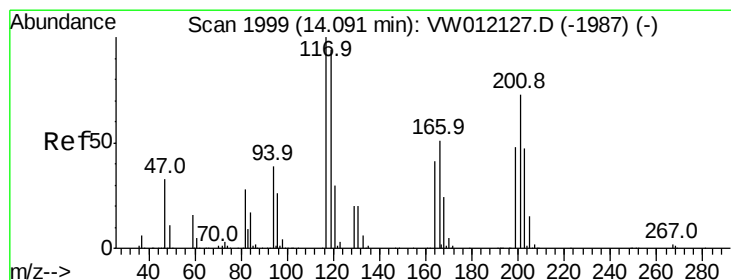
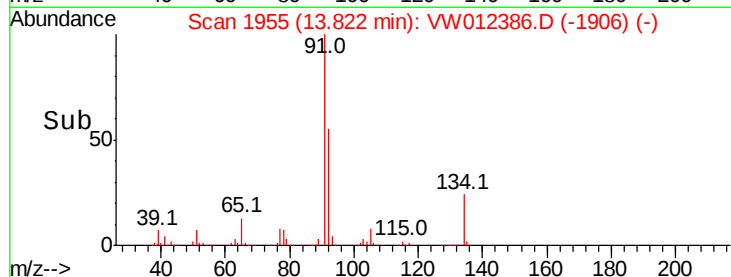
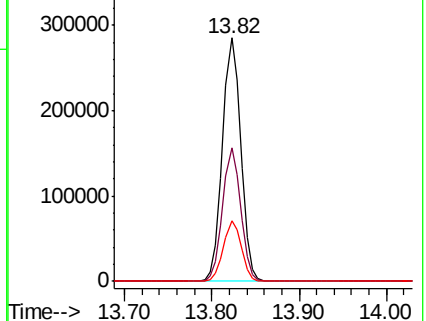
134 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.859 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012386.D

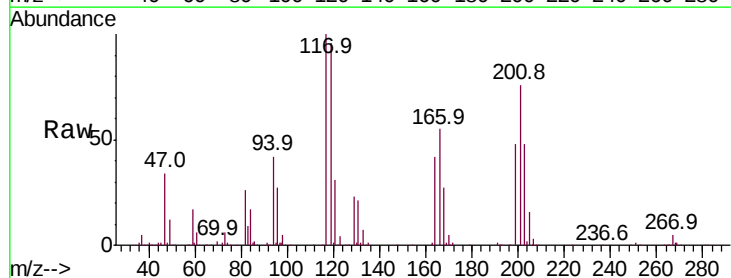
Acq: 31 Aug 2019 08:05

Tgt Ion: 117 Resp: 74645

Ion Ratio Lower Upper

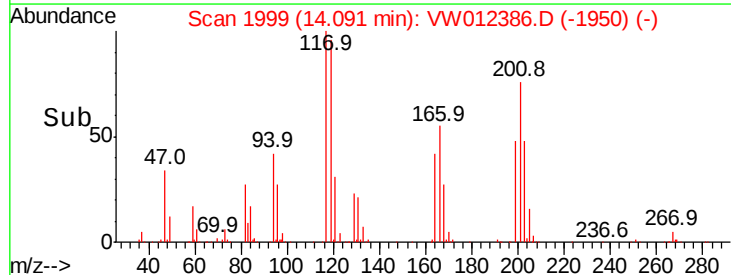
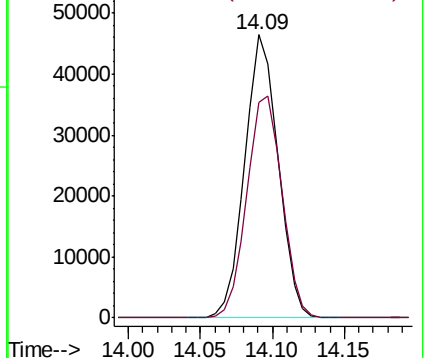
117 100

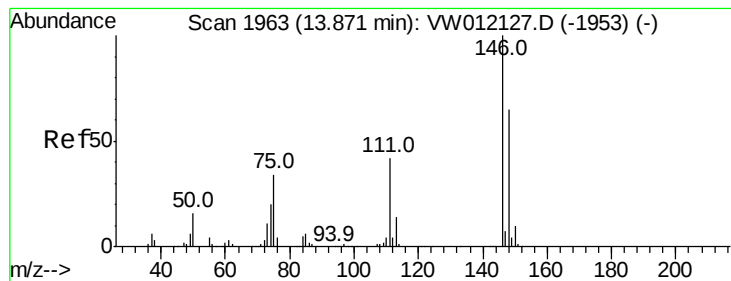
201 82.4 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 53.856 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampled :

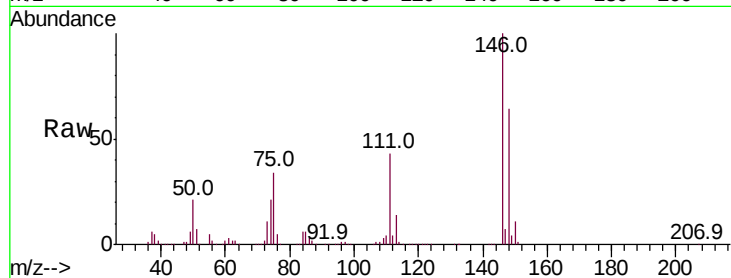
Tot Ion:146 Resp: 181106

Ion Ratio Lower Upper

146 100

111 43.3 21.2 63.6

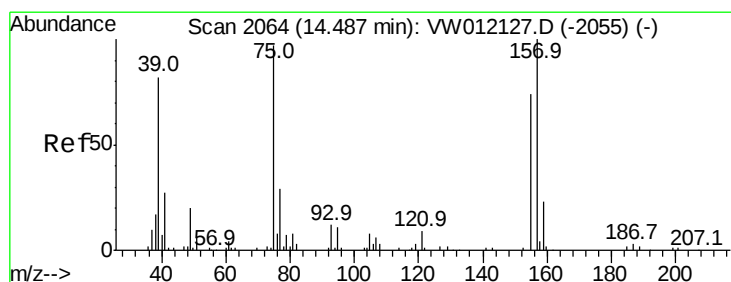
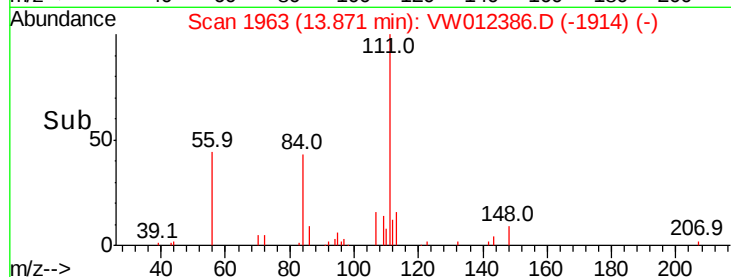
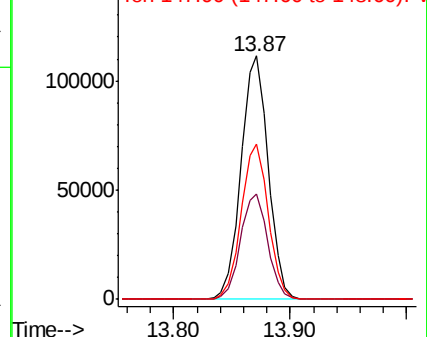
148 63.6 32.5 97.4



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: 59.172 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

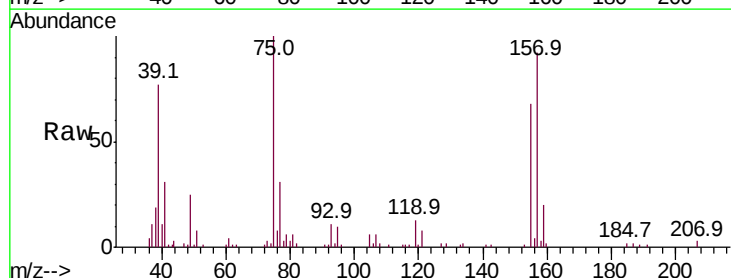
Tgt Ion: 75 Resp: 16567

Ion Ratio Lower Upper

75 100

155 74.4 37.5 112.3

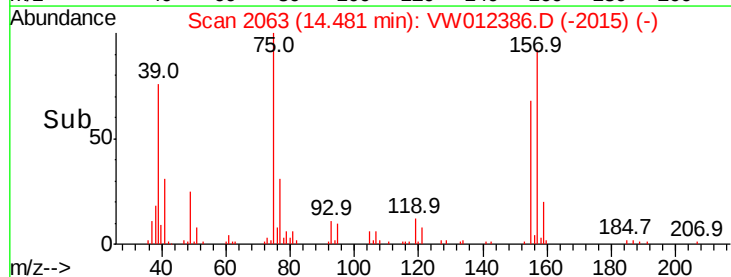
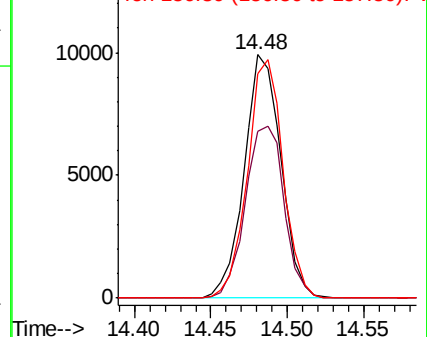
157 94.7 50.5 151.5

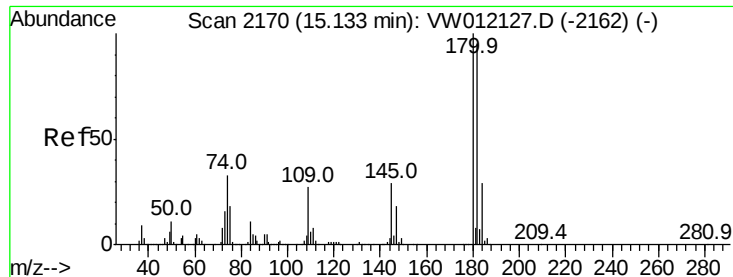


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

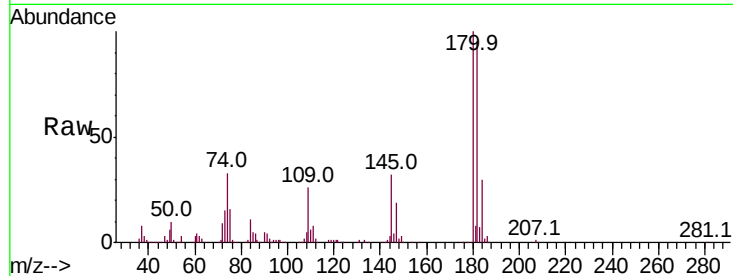




#93
 1,2,4-Trichlorobenzene
 Concen: 54.586 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.4
145	31.3	15.0	45.1

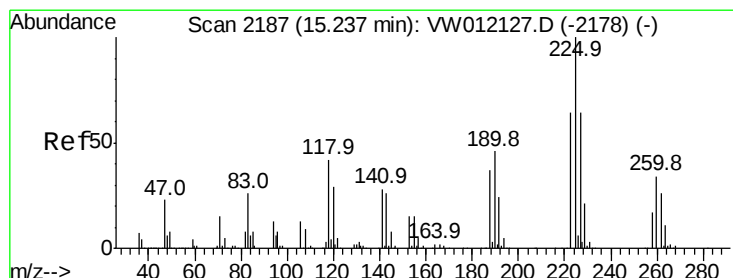
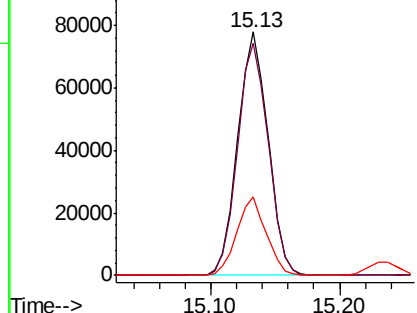
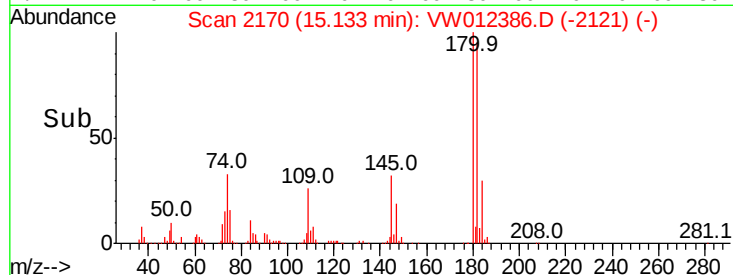


Abundance

Ion 179.80 (179.50 to 180.50): V

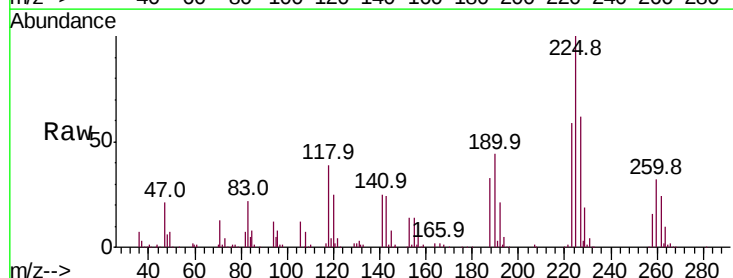
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.081 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.3	96.8
227	63.8	32.9	98.6

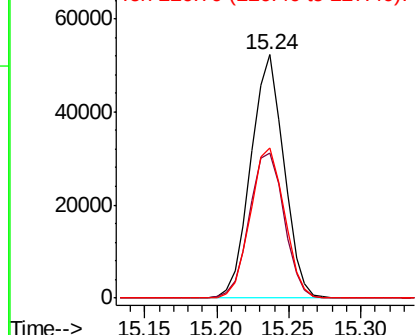
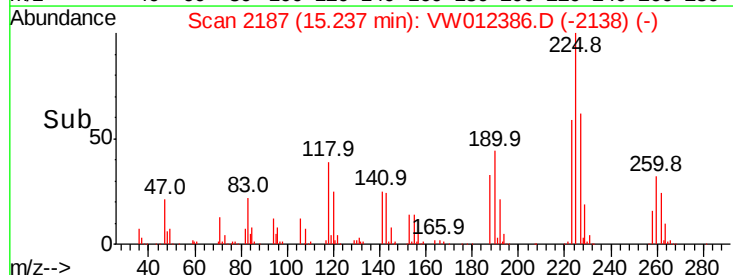


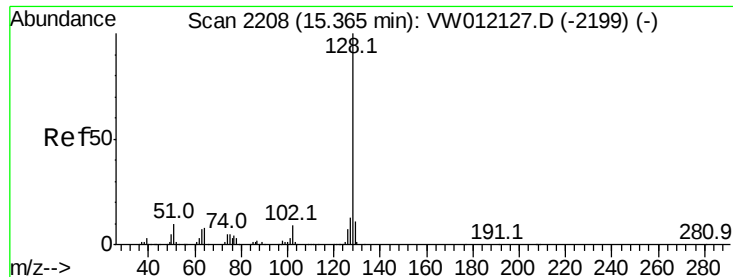
Abundance

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

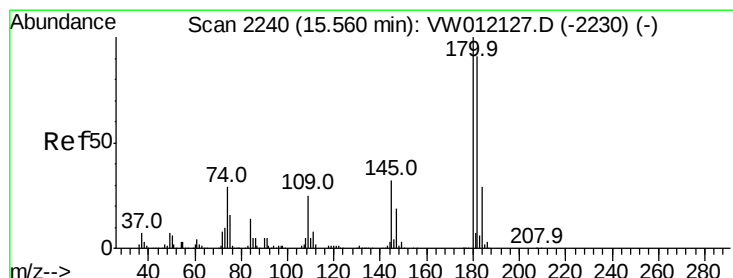
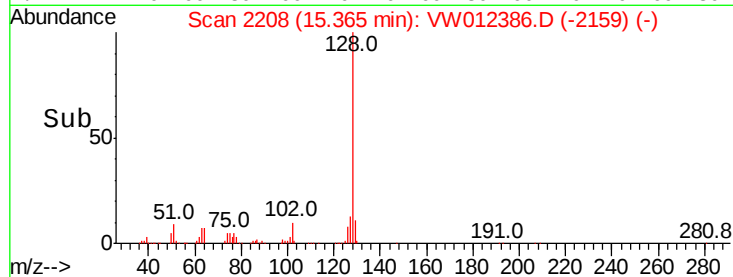
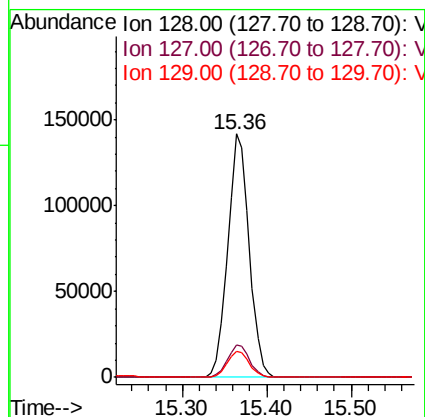
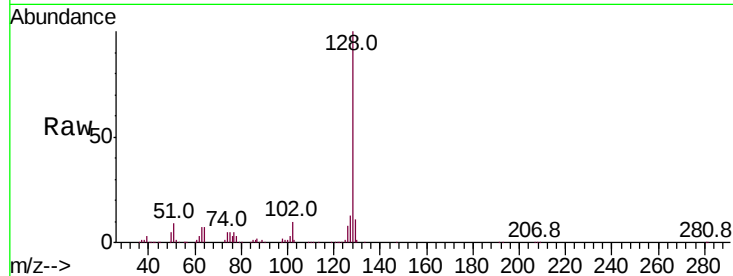




#95
Naphthalene
Concen: 53.591 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 245929
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.428 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:180 Resp: 114410
Ion Ratio Lower Upper
180 100
182 96.2 47.1 141.3
145 32.1 16.2 48.5

