

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012032.D
 Acq On : 20 Aug 2019 15:27
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 17:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	254334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169182	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146593	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	7.88	113	122228	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
50) Toluene-d8	10.32	98	487907	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.62	95	173300	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	68319	48.199	ug/l	96
3) Chloromethane	2.21	50	113816	46.307	ug/l	99
4) Vinyl Chloride	2.36	62	149196	50.420	ug/l	100
5) Bromomethane	2.77	94	77664	47.417	ug/l	98
6) Chloroethane	2.92	64	88346	52.267	ug/l	100
7) Trichlorofluoromethane	3.26	101	75033	56.737	ug/l	100
8) Diethyl Ether	3.68	74	79378	52.939	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136913	54.576	ug/l	98
10) Methyl Iodide	4.28	142	188623	53.205	ug/l	99
11) Tert butyl alcohol	5.17	59	55711	259.135	ug/l	99
12) 1,1-Dichloroethene	4.04	96	139205	52.554	ug/l	98
13) Acrolein	3.89	56	51749	246.951	ug/l	100
14) Allyl chloride	4.67	41	296242	52.584	ug/l	99
15) Acrylonitrile	5.37	53	203148	271.408	ug/l	99
16) Acetone	4.12	43	210337	226.414	ug/l	99
17) Carbon Disulfide	4.38	76	394583	47.596	ug/l	98
18) Methyl Acetate	4.67	43	113048	54.168	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	235805	56.100	ug/l	97
20) Methylene Chloride	4.92	84	156767	48.930	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147260	51.567	ug/l	97
22) Diisopropyl ether	6.31	45	566768	53.360	ug/l	99
23) Vinyl Acetate	6.25	43	1796536	269.179	ug/l	100
24) 1,1-Dichloroethane	6.21	63	295773	51.994	ug/l	99
25) 2-Butanone	7.17	43	300698	247.363	ug/l	98
26) 2,2-Dichloropropane	7.16	77	168529	48.173	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	163722	52.092	ug/l	99
28) Bromochloromethane	7.51	49	134719	53.355	ug/l	99
29) Tetrahydrofuran	7.53	42	188740	271.625	ug/l	99
30) Chloroform	7.68	83	268995	51.256	ug/l	99
31) Cyclohexane	7.96	56	272110	49.832	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	214496	53.667	ug/l	99
36) 1,1-Dichloropropene	8.08	75	224244	52.842	ug/l	99
37) Ethyl Acetate	7.25	43	132790	54.389	ug/l	99
38) Carbon Tetrachloride	8.07	117	194652	53.581	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	253411	54.232	ug/l	99
40) Benzene	8.32	78	624544	52.541	ug/l	99
41) Methacrylonitrile	7.48	41	76444	52.379	ug/l	96
42) 1,2-Dichloroethane	8.40	62	193851	52.089	ug/l	98
43) Isopropyl Acetate	8.43	43	248315	55.303	ug/l	99
44) Trichloroethene	9.09	130	151947	53.185	ug/l	98
45) 1,2-Dichloropropane	9.37	63	170537	53.620	ug/l	99
46) Dibromomethane	9.46	93	77908	53.669	ug/l	99
47) Bromodichloromethane	9.65	83	203271	53.383	ug/l	99
48) Methyl methacrylate	9.44	41	121036	56.117	ug/l	96
49) 1,4-Dioxane	9.45	88	25448	1210.733	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	643783	275.650	ug/l	100
52) Toluene	10.39	92	380153	52.958	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	216525	54.435	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	253969	53.699	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109566	53.196	ug/l	98
56) Ethyl methacrylate	10.65	69	169941	56.385	ug/l	98
57) 1,3-Dichloropropane	10.93	76	208097	53.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	459673	335.910	ug/l	100
59) 2-Hexanone	10.97	43	449917	272.839	ug/l	98
60) Dibromochloromethane	11.13	129	122809	53.716	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104102	53.410	ug/l	100
64) Tetrachloroethene	10.86	164	124361	53.973	ug/l	99
65) Chlorobenzene	11.66	112	382100	53.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135771	54.786	ug/l	99
67) Ethyl Benzene	11.73	91	740254	54.631	ug/l	99
68) m/p-Xylenes	11.84	106	533173	108.198	ug/l	100
69) o-Xylene	12.16	106	249868	54.566	ug/l	100
70) Styrene	12.18	104	434197	54.841	ug/l	99
71) Bromoform	12.35	173	70639	55.906	ug/l #	99
73) Isopropylbenzene	12.46	105	693808	54.971	ug/l	100
74) N-amyl acetate	12.27	43	225200	56.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	131371	55.336	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	175361	97.959	ug/l #	100
77) Bromobenzene	12.75	156	152815	54.778	ug/l	99
78) n-propylbenzene	12.80	91	845508	55.045	ug/l	100
79) 2-Chlorotoluene	12.89	91	478567	54.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	581978	55.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44582	57.396	ug/l	99
82) 4-Chlorotoluene	12.99	91	501331	53.996	ug/l	100
83) tert-Butylbenzene	13.21	119	498779	56.376	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	578417	54.272	ug/l	100
85) sec-Butylbenzene	13.38	105	706028	55.927	ug/l	100
86) p-Isopropyltoluene	13.50	119	628605	54.881	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	291930	53.369	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	290851	53.452	ug/l	100
89) n-Butylbenzene	13.82	91	629637	55.084	ug/l	99
90) Hexachloroethane	14.09	117	109954	54.288	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	262122	54.180	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22358	55.227	ug/l	99

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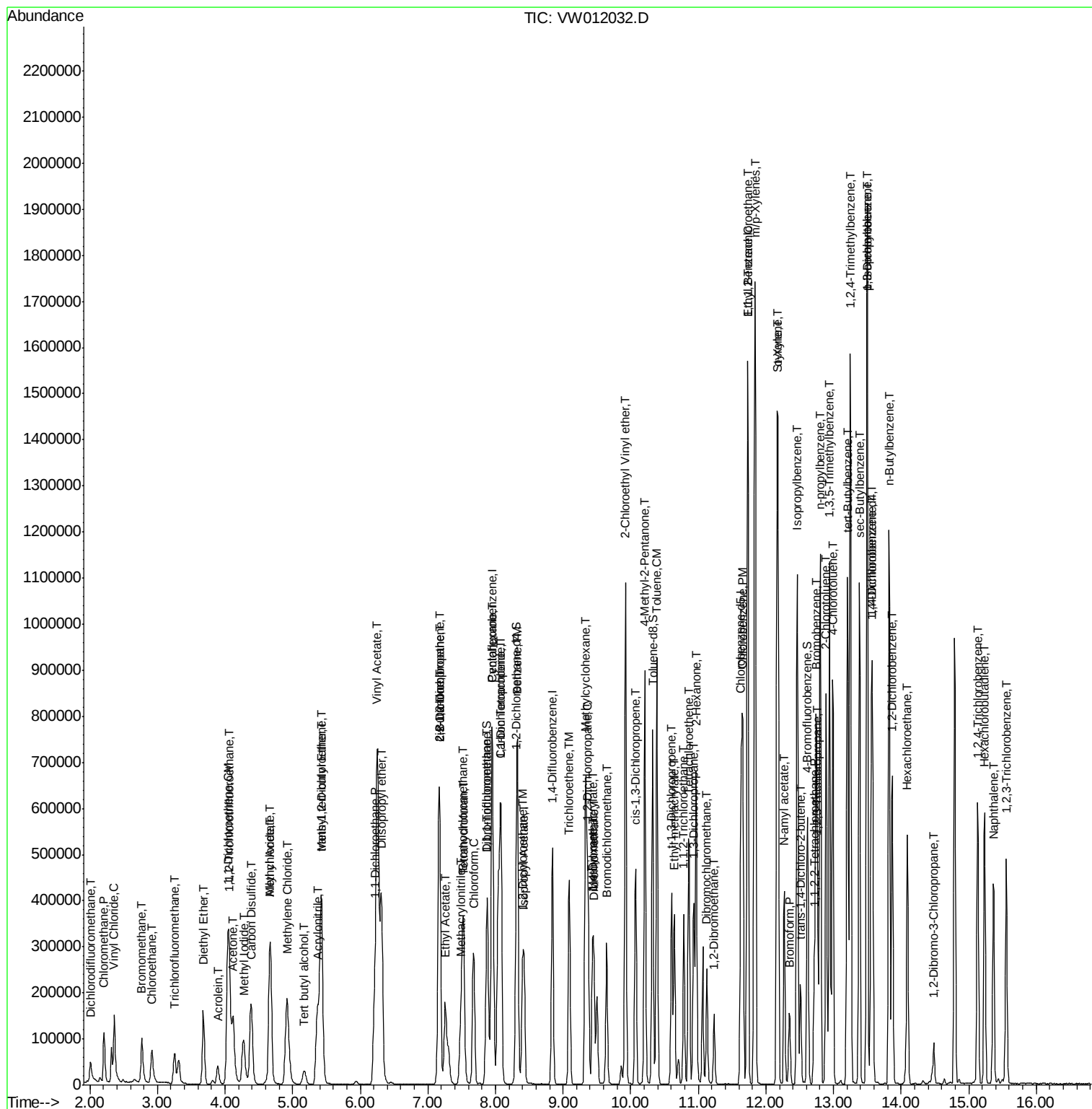
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	188410	55.258	ug/l	99
94) Hexachlorobutadiene	15.24	225	117325	55.177	ug/l	98
95) Naphthalene	15.36	128	358940	53.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	166217	55.614	ug/l	98

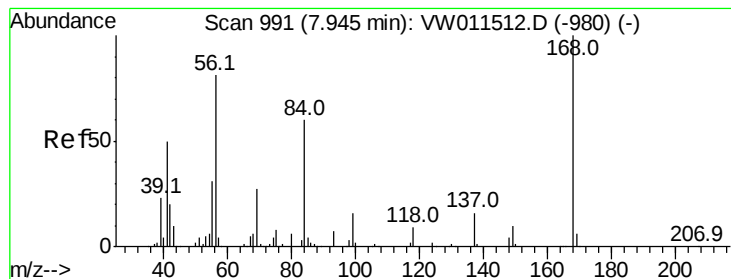
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

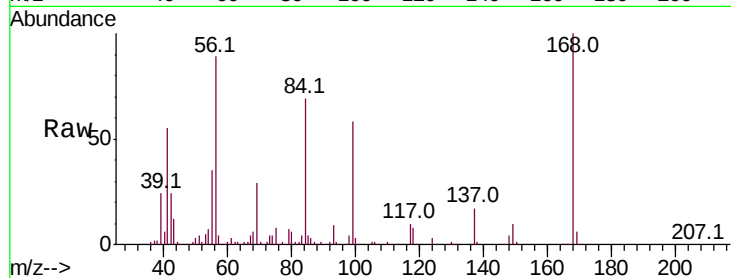
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 254334

Ion Ratio Lower Upper

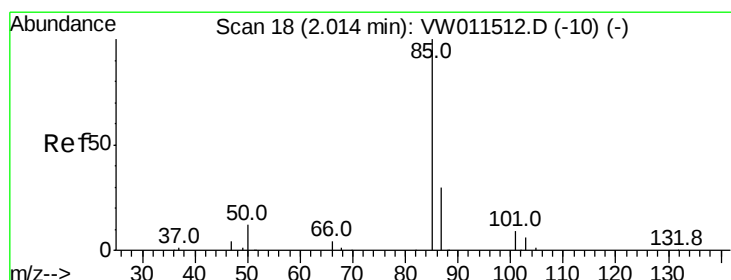
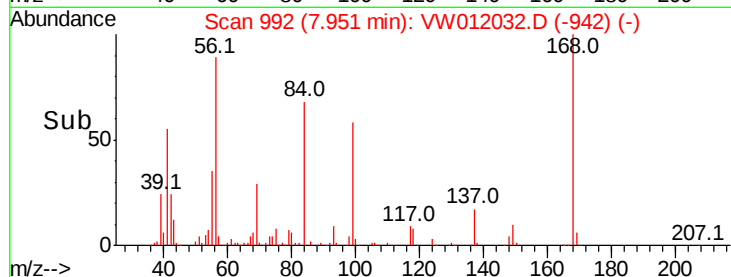
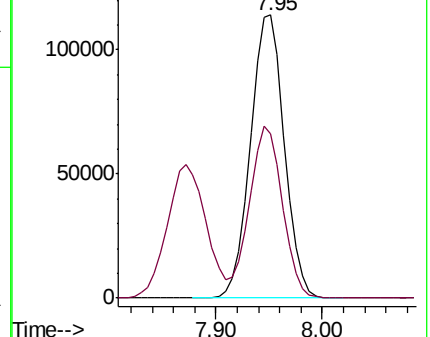
168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.199 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012032.D

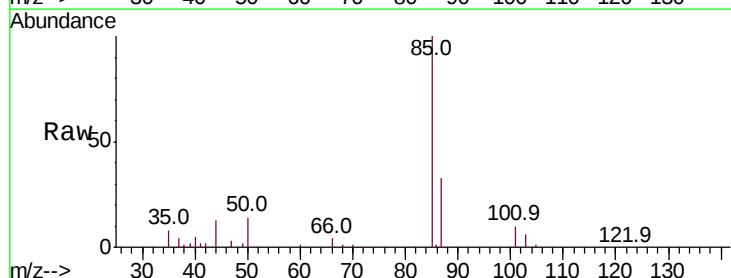
Acq: 20 Aug 2019 15:27

Tgt Ion: 85 Resp: 68319

Ion Ratio Lower Upper

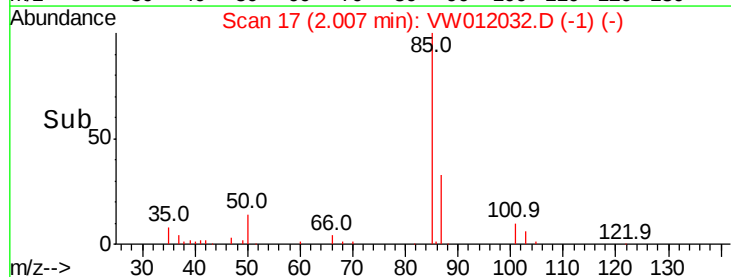
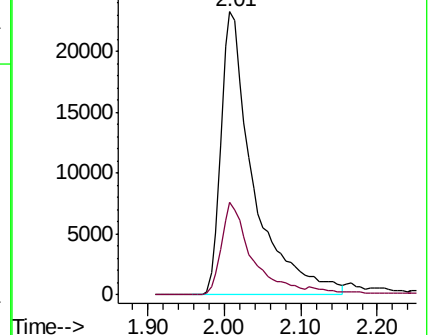
85 100

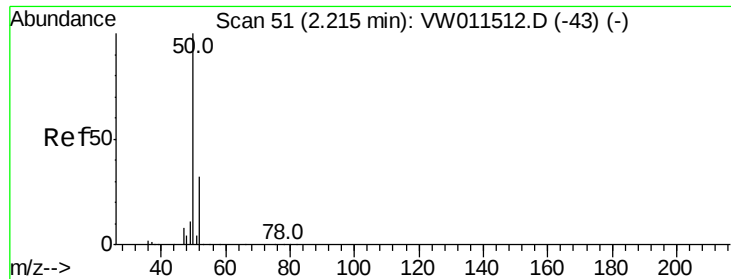
87 32.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.307 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

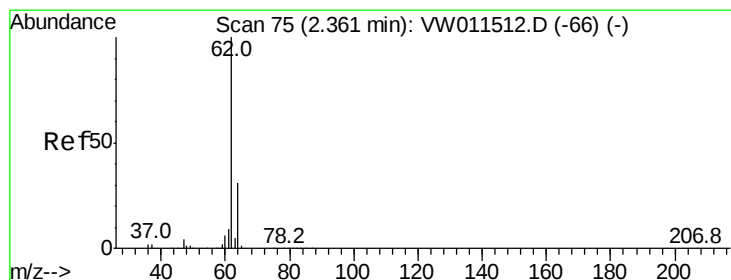
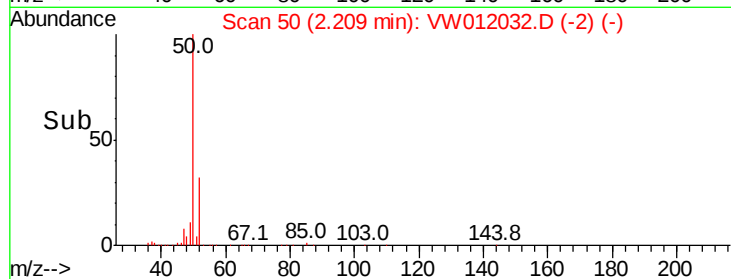
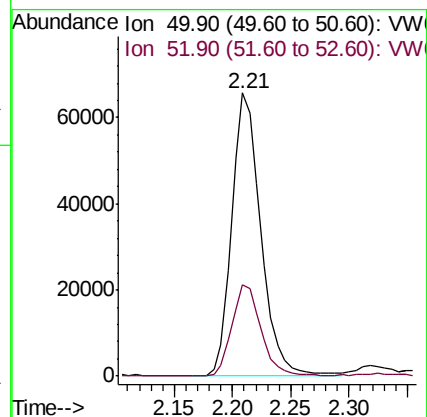
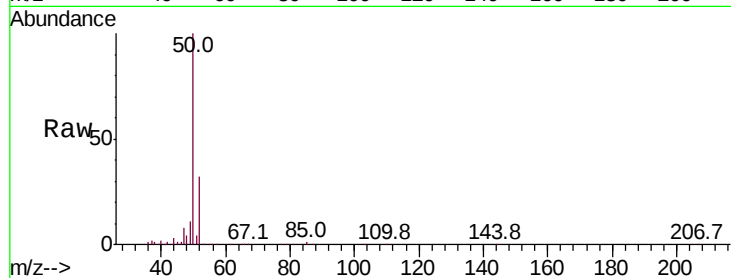
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 113816

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 50.420 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012032.D

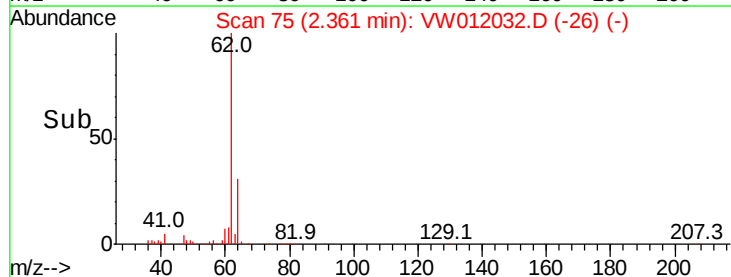
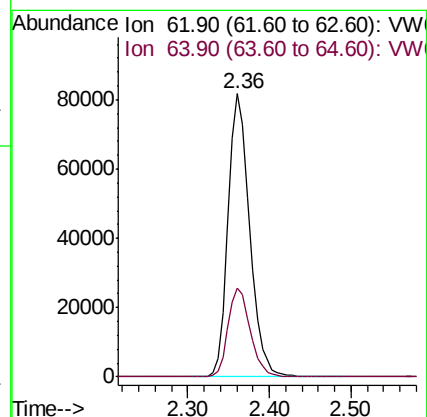
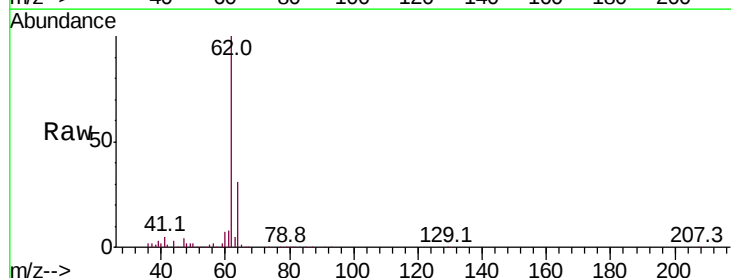
Acq: 20 Aug 2019 15:27

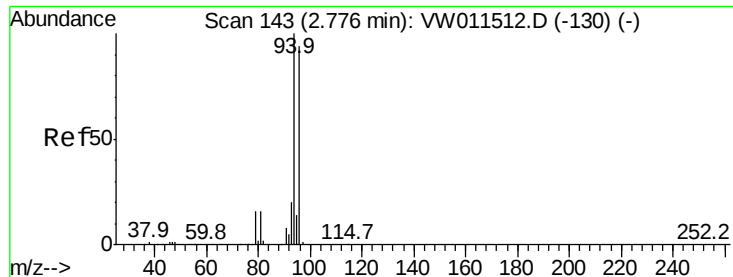
Tgt Ion: 62 Resp: 149196

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 47.417 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

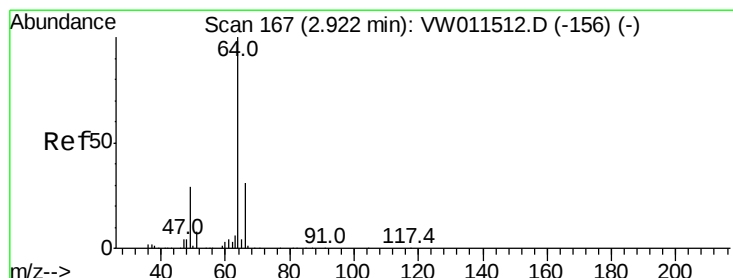
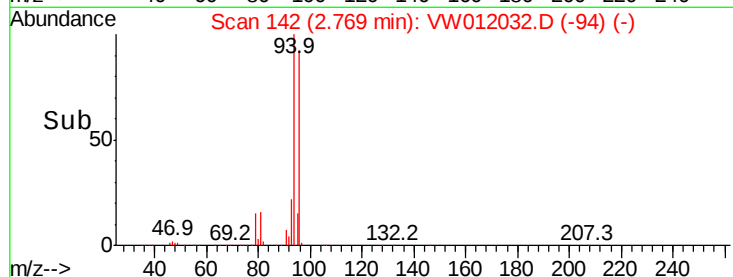
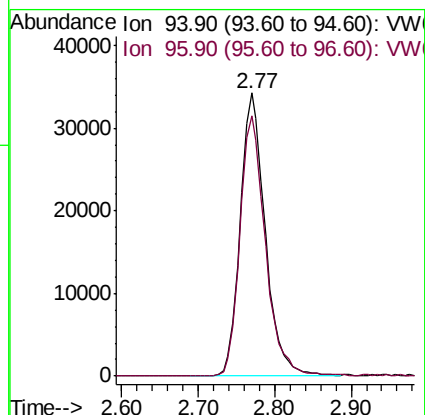
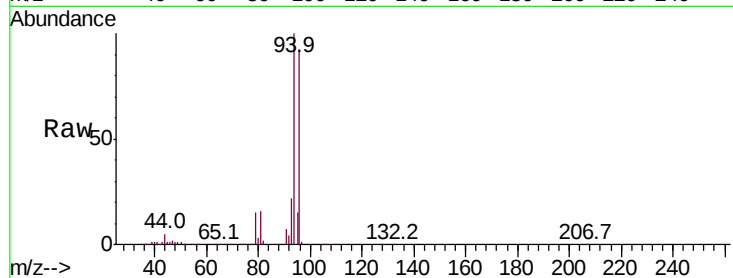
ClientSampleId :

Tot Ion: 94 Resp: 77664

Ion Ratio Lower Upper

94 100

96 91.8 75.0 112.6



#6

Chloroethane

Concen: 52.267 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012032.D

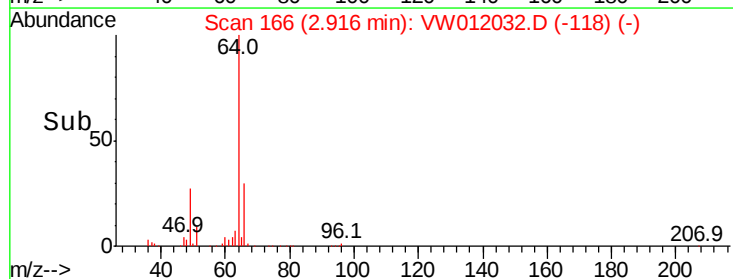
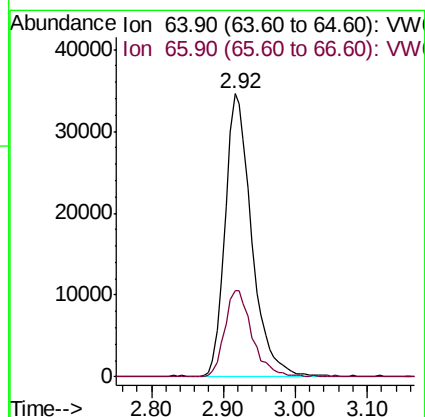
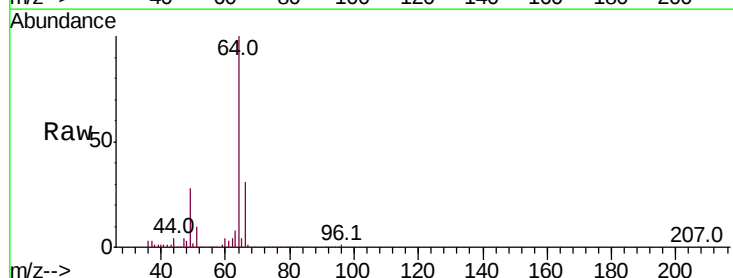
Acq: 20 Aug 2019 15:27

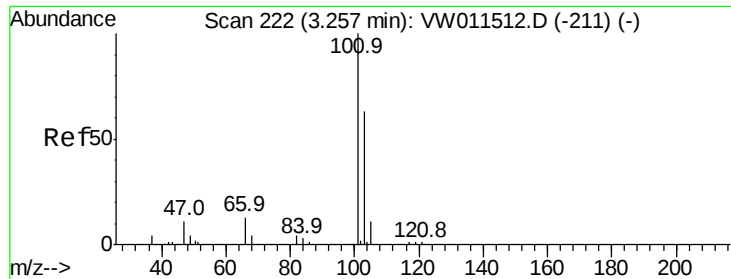
Tgt Ion: 64 Resp: 88346

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8



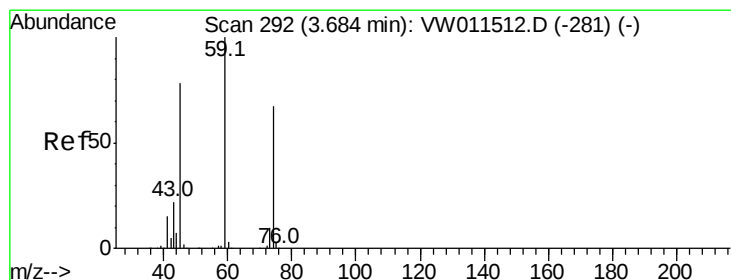
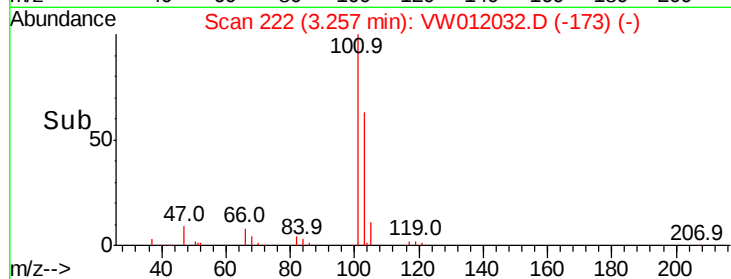
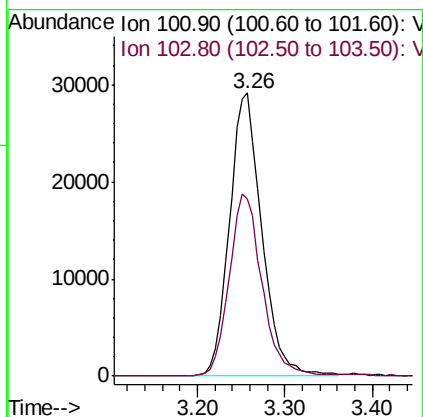
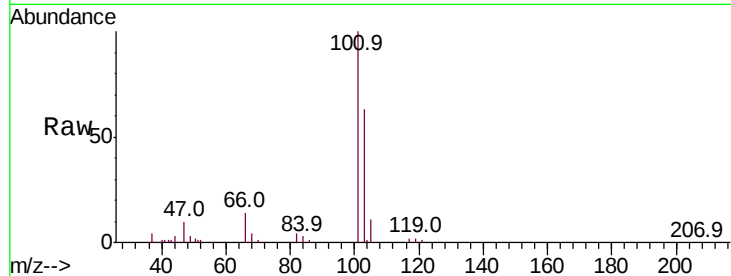


#7

Trichlorofluoromethane
 Concen: 56.737 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

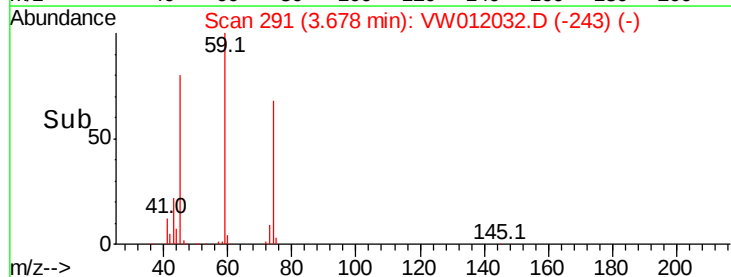
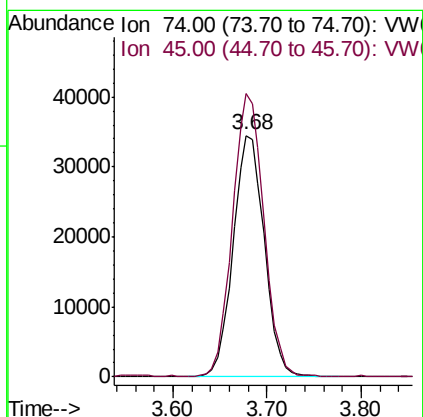
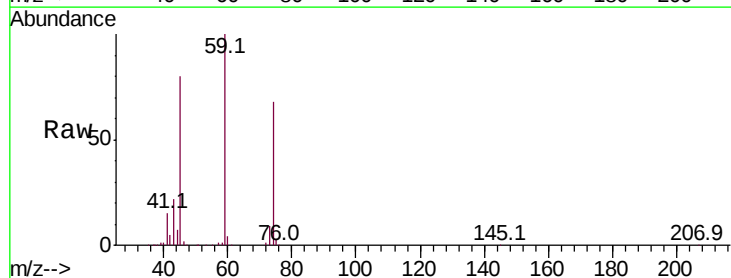
Tot Ion:101 Resp: 75033
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.4

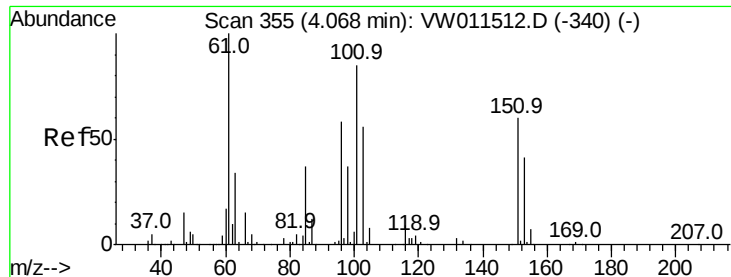


#8

Diethyl Ether
 Concen: 52.939 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion: 74 Resp: 79378
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.576 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

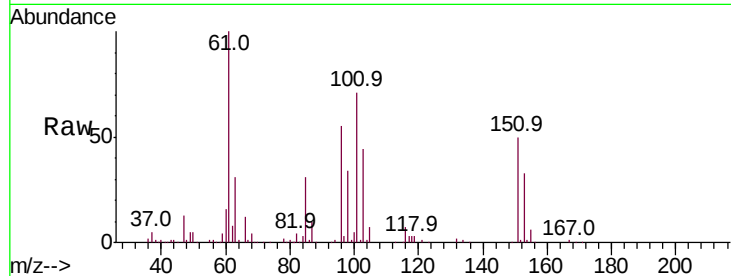
Tot Ion:101 Resp: 136913

Ion Ratio Lower Upper

101 100

85 44.5 36.6 54.8

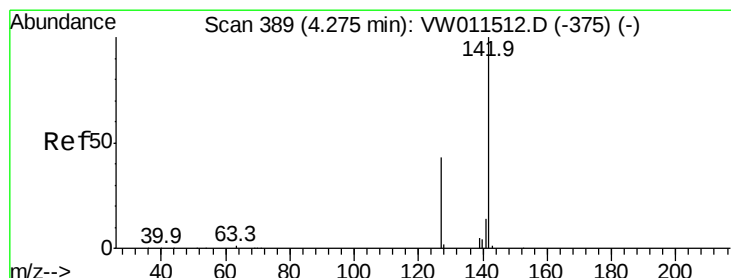
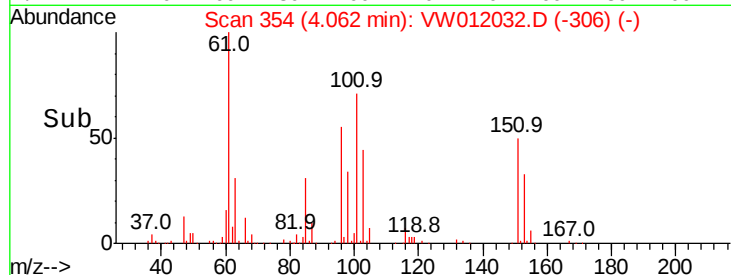
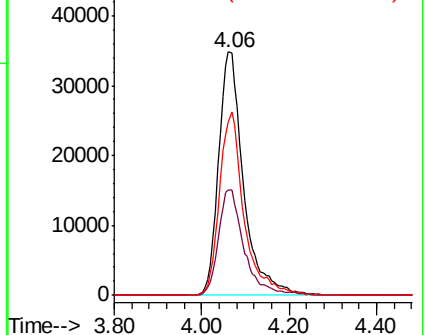
151 74.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.205 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

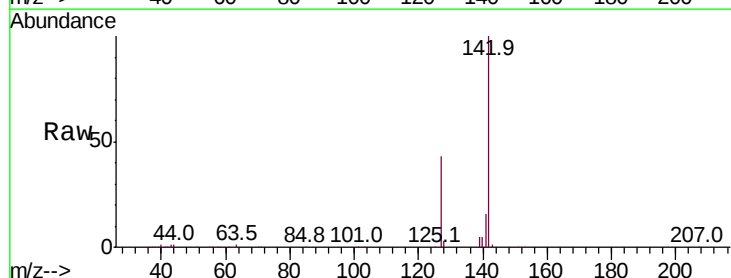
Tgt Ion:142 Resp: 188623

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

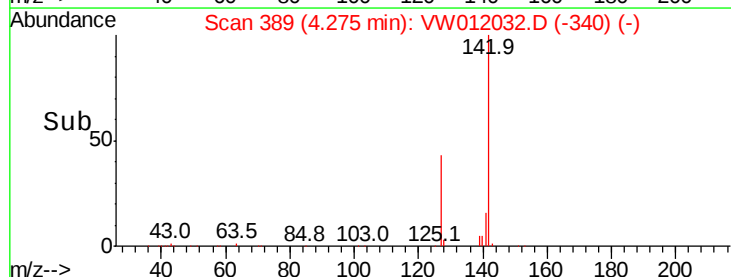
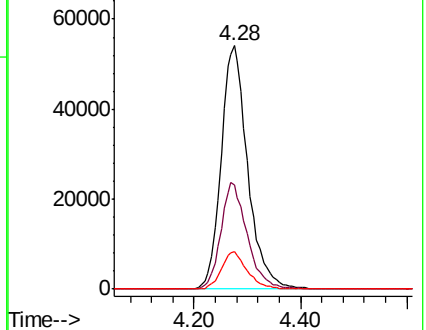
141 14.8 11.9 17.9

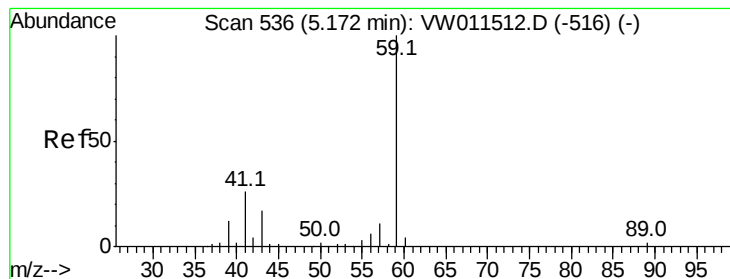


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



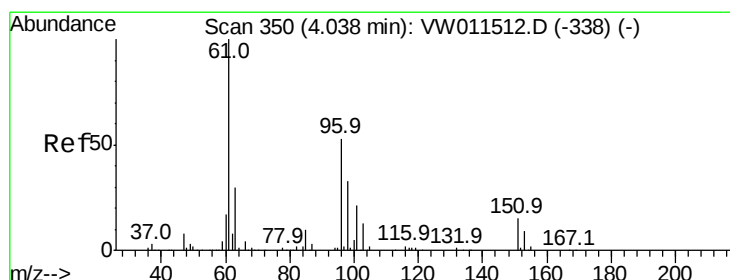
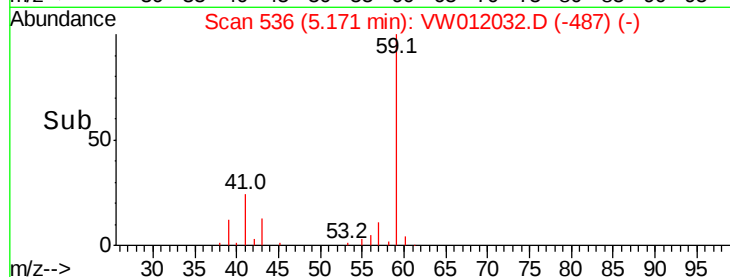
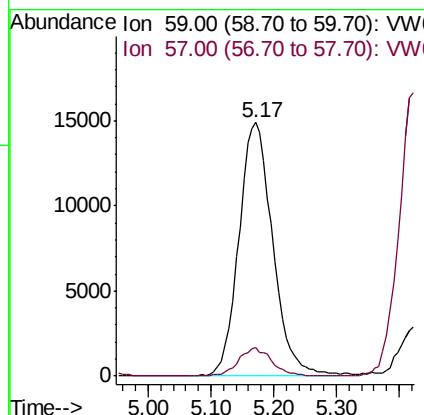
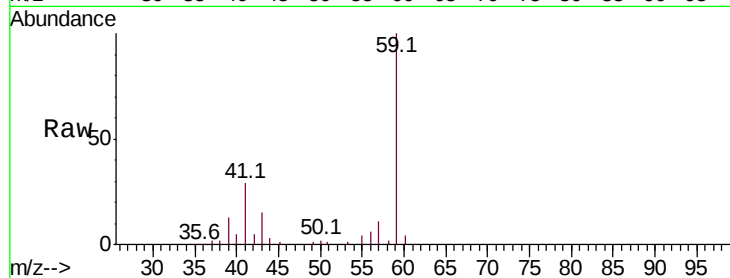


#11

Tert butyl alcohol
 Concen: 259.135 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

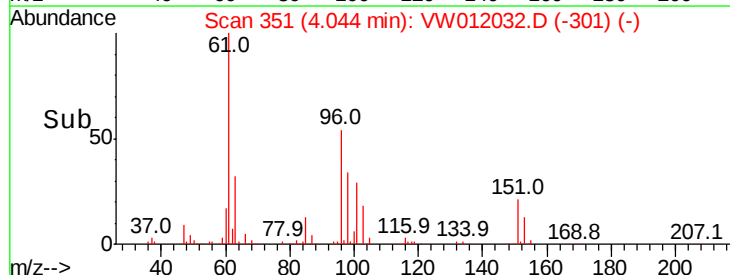
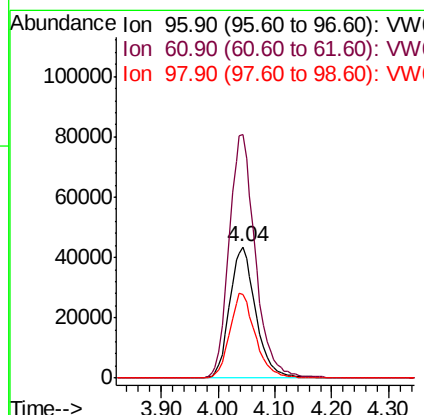
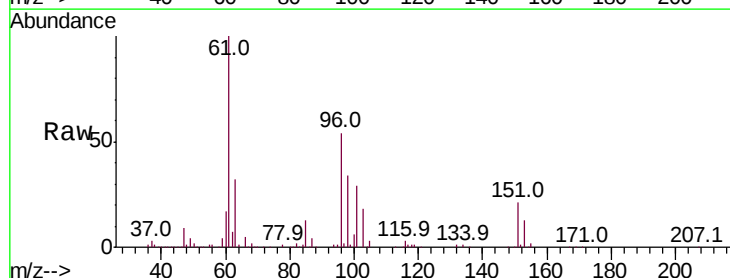
Tot Ion: 59 Resp: 55711
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7

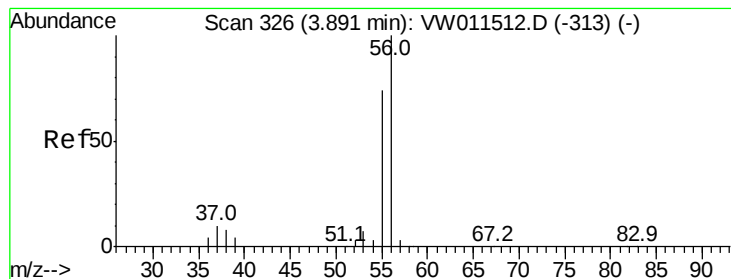


#12

1,1-Dichloroethene
 Concen: 52.554 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion: 96 Resp: 139205
 Ion Ratio Lower Upper
 96 100
 61 185.2 149.9 224.9
 98 63.9 49.1 73.7





#13

Acrolein

Concen: 246.951 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

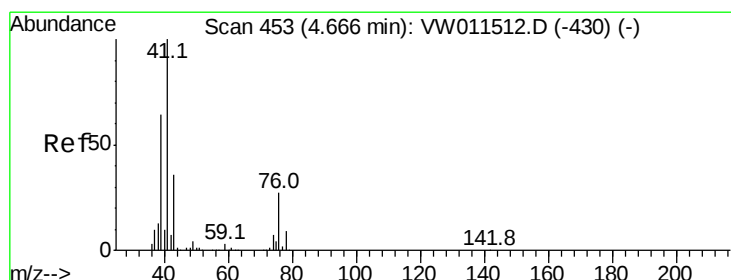
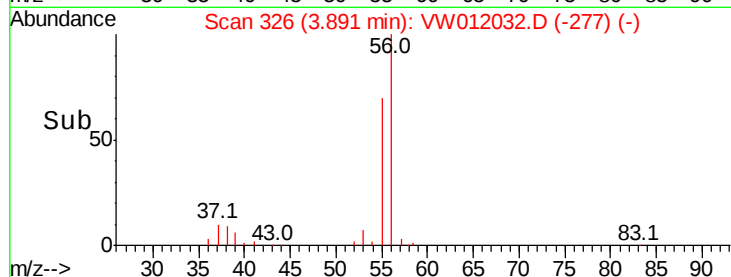
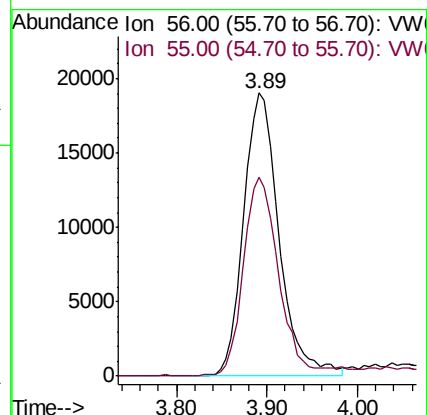
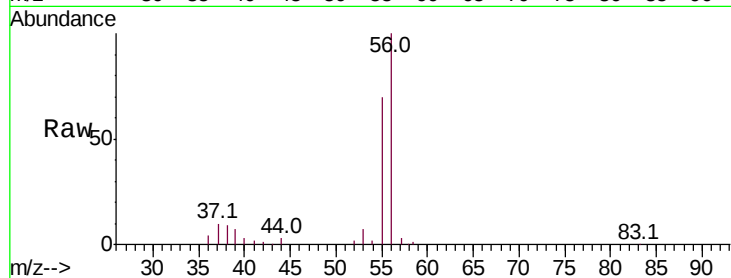
ClientSampleId :

Tot Ion: 56 Resp: 51749

Ion Ratio Lower Upper

56 100

55 70.2 56.0 84.0



#14

Allyl chloride

Concen: 52.584 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

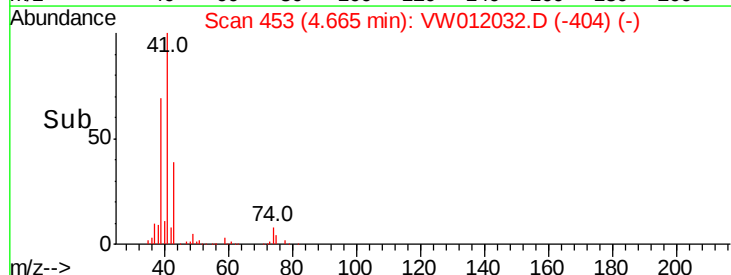
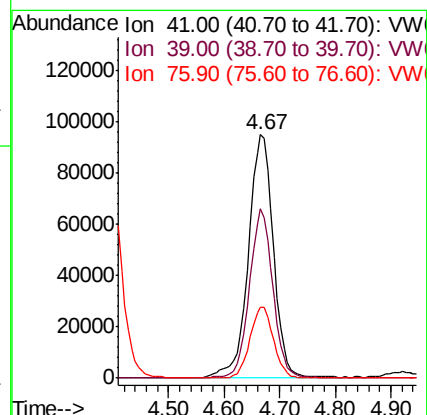
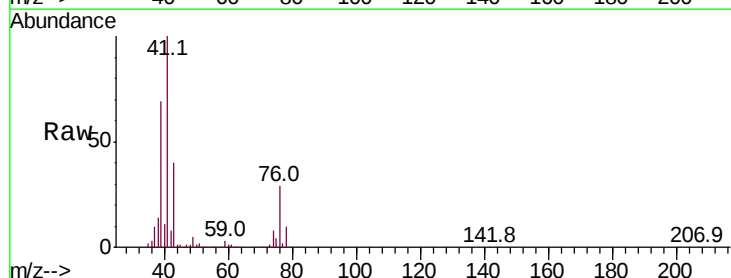
Tgt Ion: 41 Resp: 296242

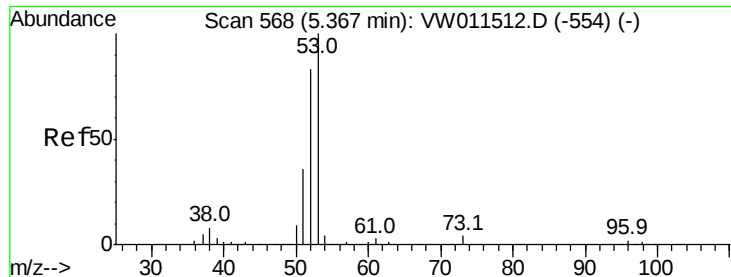
Ion Ratio Lower Upper

41 100

39 65.2 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 271.408 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

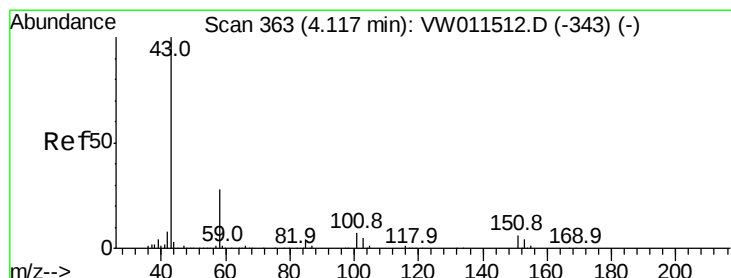
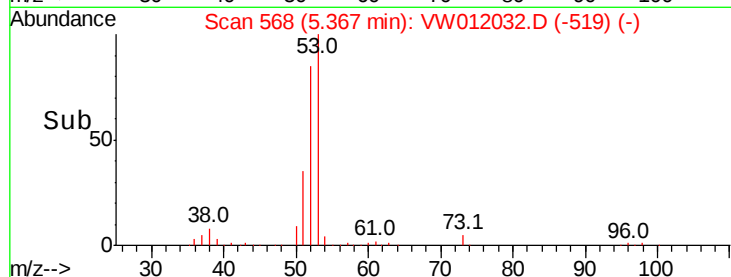
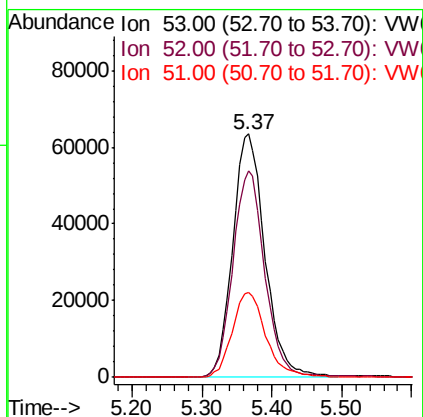
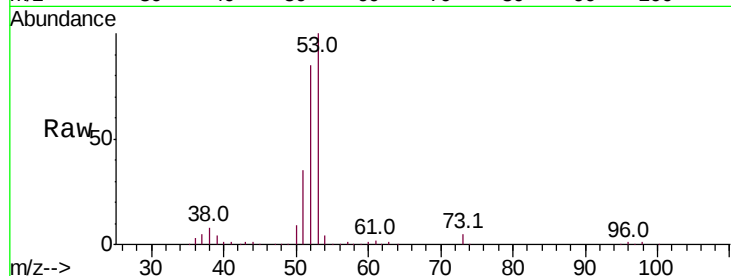
Tot Ion: 53 Resp: 203148

Ion Ratio Lower Upper

53 100

52 83.7 67.2 100.8

51 36.3 30.0 45.0



#16

Acetone

Concen: 226.414 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012032.D

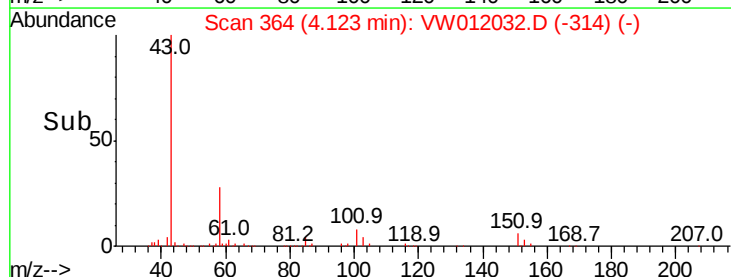
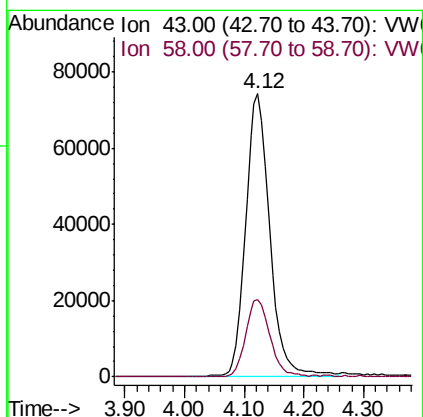
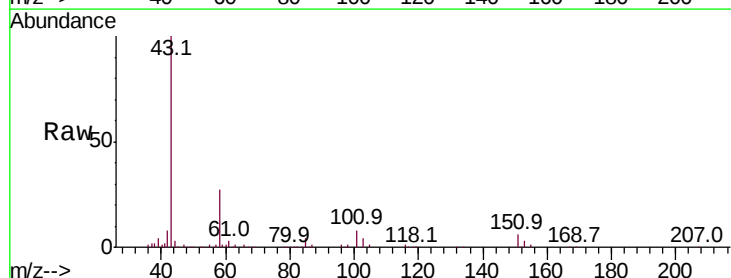
Acq: 20 Aug 2019 15:27

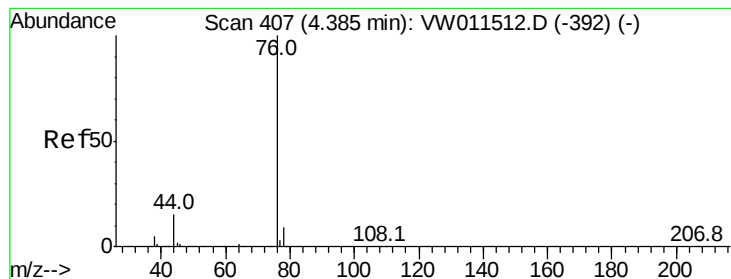
Tgt Ion: 43 Resp: 210337

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5





#17

Carbon Disulfide

Concen: 47.596 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

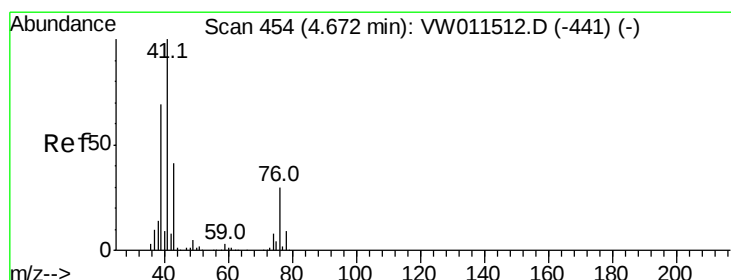
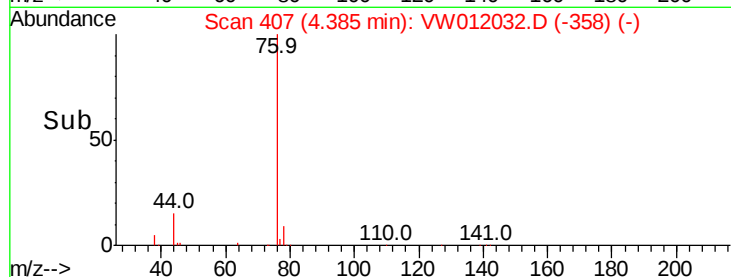
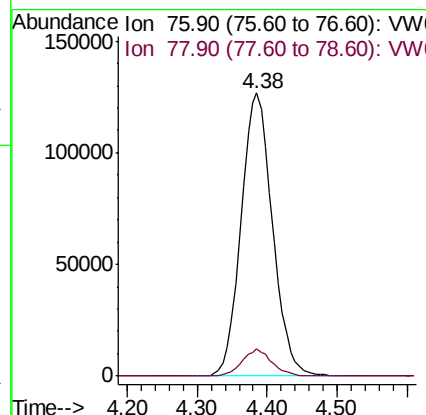
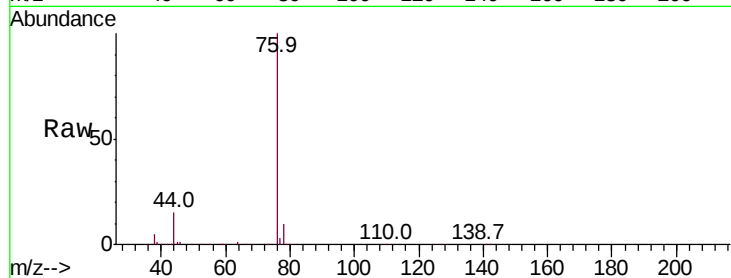
ClientSampled :

Tot Ion: 76 Resp: 394583

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 54.168 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW012032.D

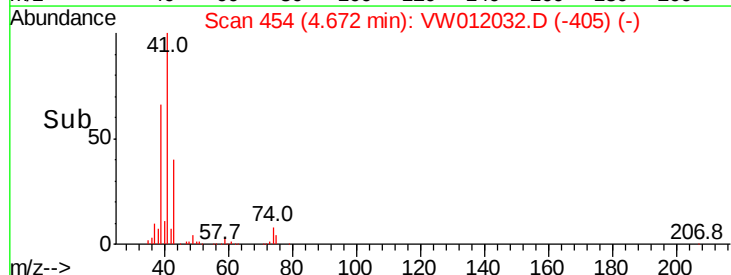
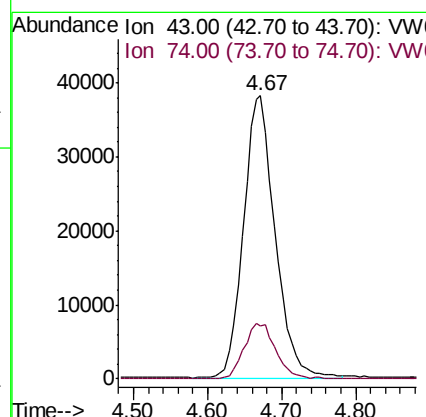
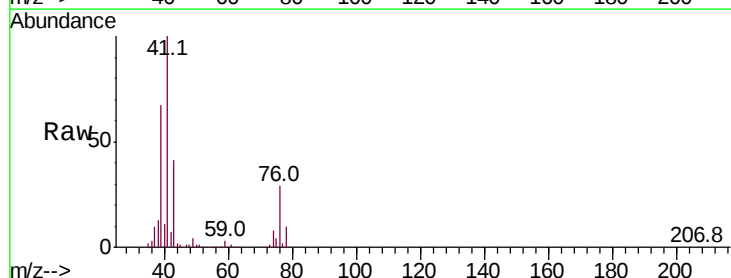
Acq: 20 Aug 2019 15:27

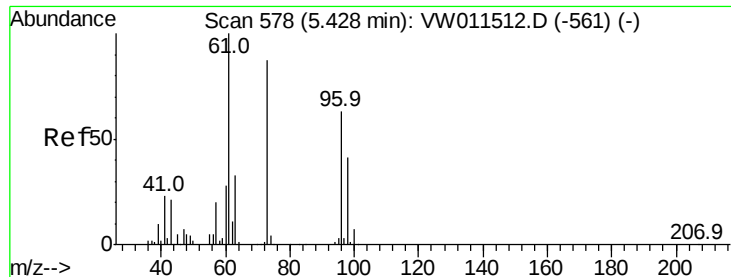
Tgt Ion: 43 Resp: 113048

Ion Ratio Lower Upper

43 100

74 19.8 15.9 23.9

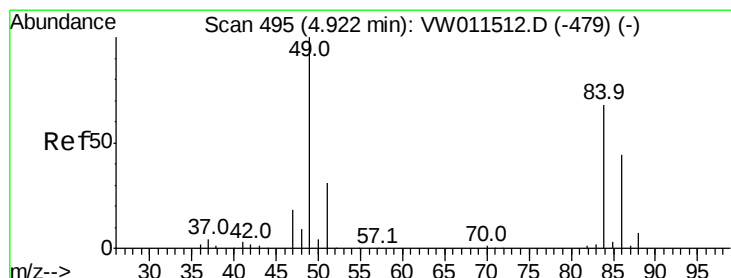
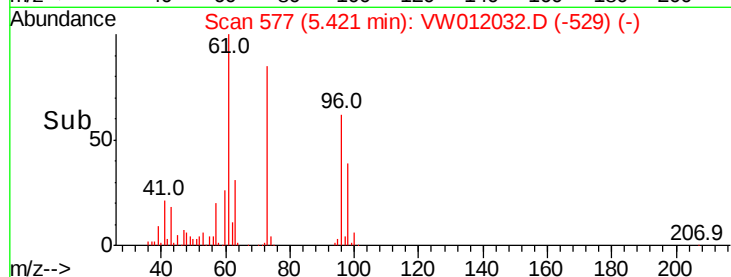
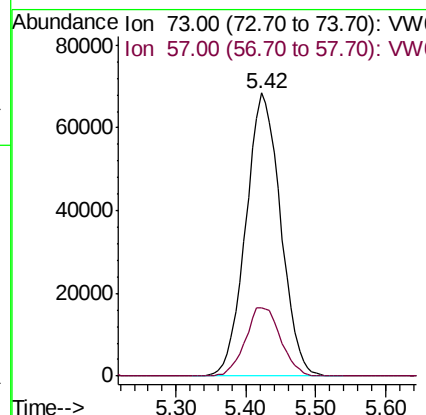
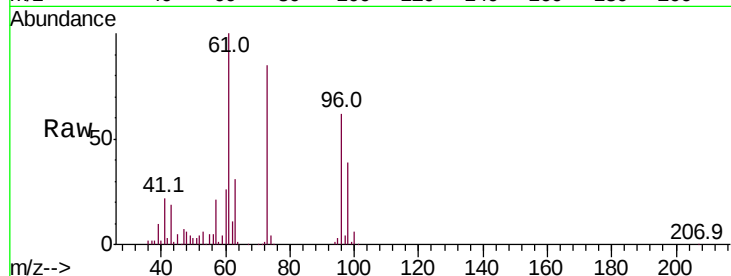




#19
Methvl tert-butvl Ether
Concen: 56.100 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

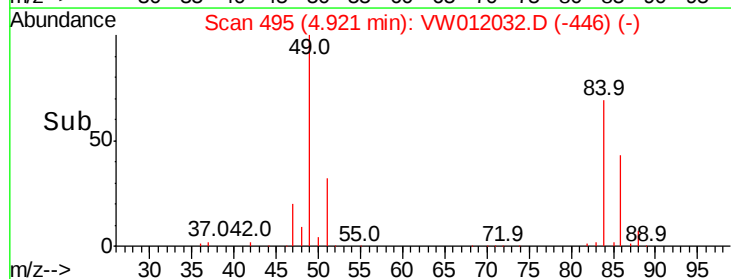
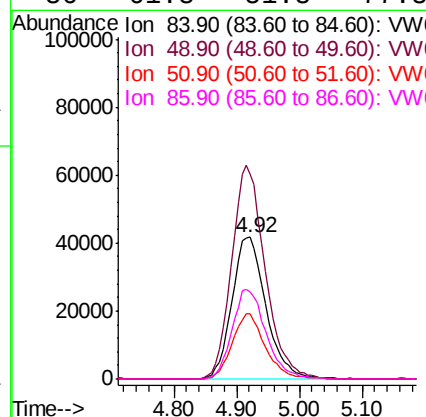
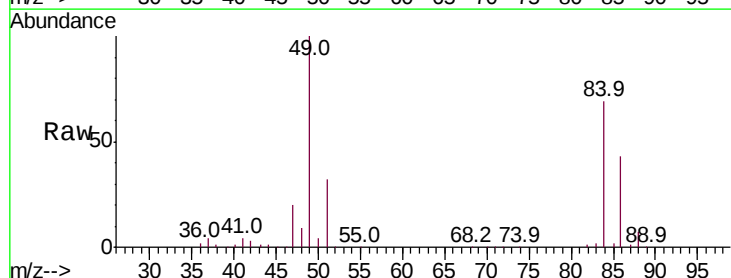
Instrument :
MSVOA_W
ClientSampleId :

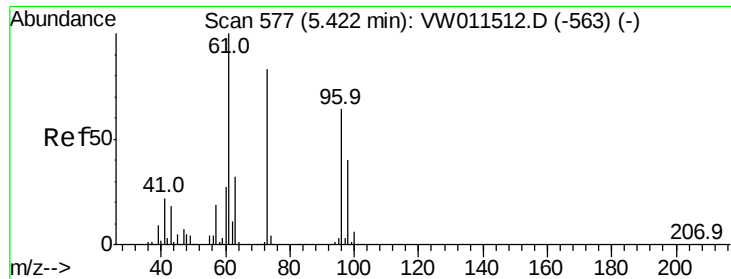
Tot Ion: 73 Resp: 235805
Ion Ratio Lower Upper
73 100
57 24.3 18.4 27.6



#20
Methylene Chloride
Concen: 48.930 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 84 Resp: 156767
Ion Ratio Lower Upper
84 100
49 145.0 117.8 176.6
51 46.3 37.0 55.4
86 61.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 51.567 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

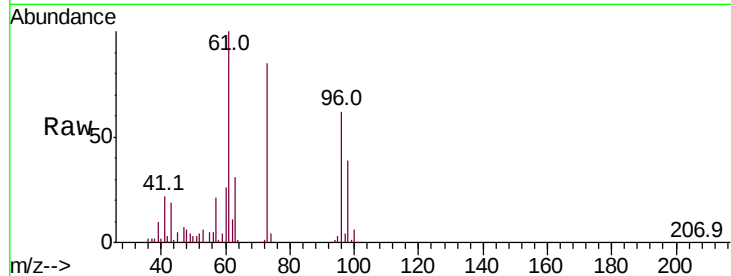
Tot Ion: 96 Resp: 147260

Ion Ratio Lower Upper

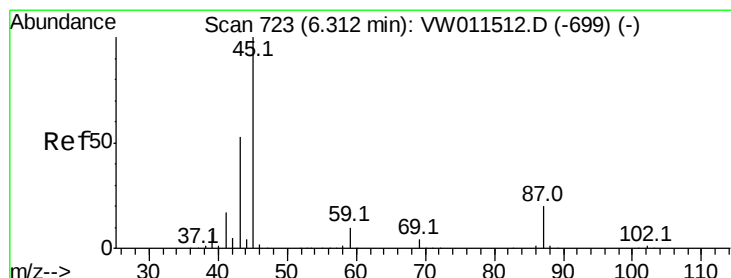
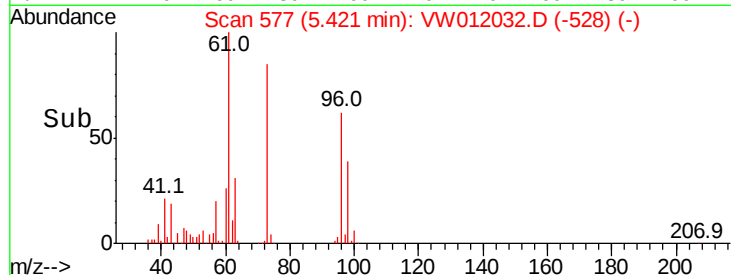
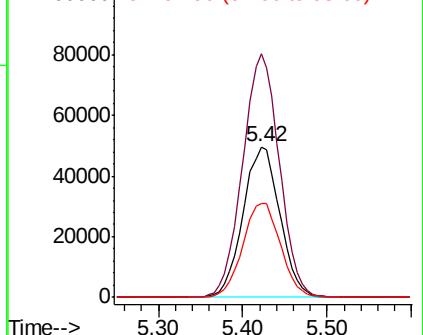
96 100

61 161.8 125.7 188.5

98 62.7 50.3 75.5



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: 53.360 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Tgt Ion: 45 Resp: 566768

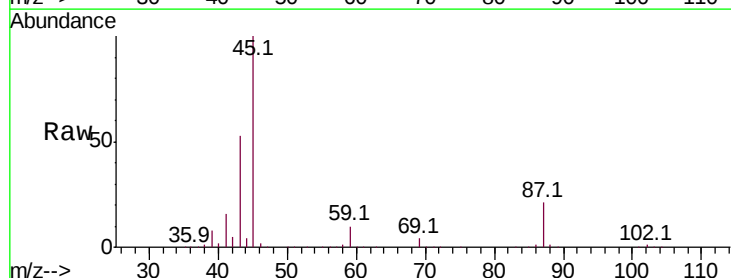
Ion Ratio Lower Upper

45 100

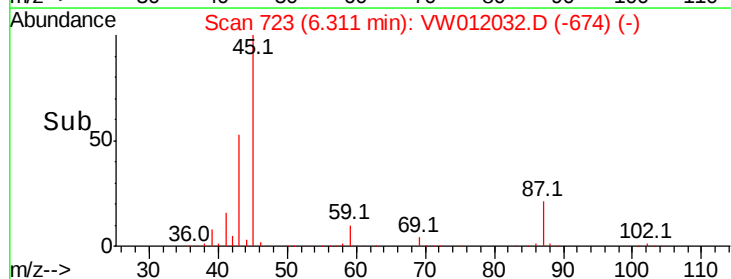
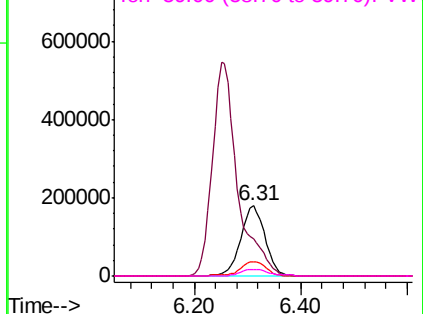
43 52.6 42.6 63.8

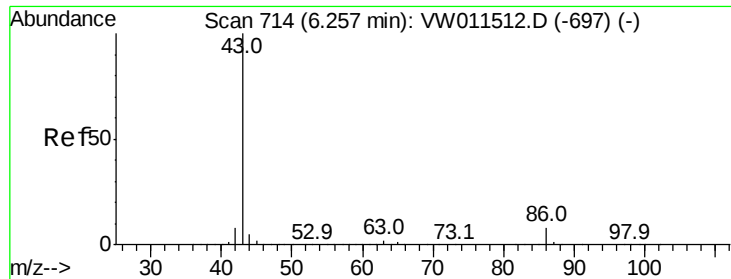
87 20.9 16.4 24.6

59 9.8 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

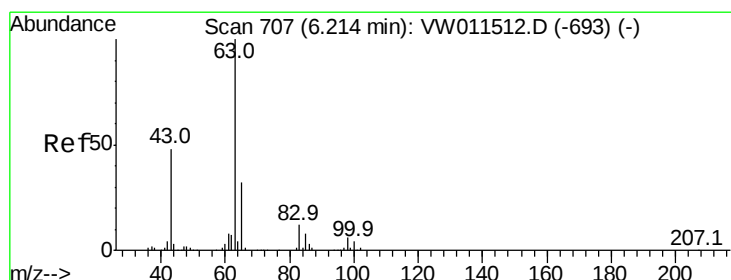
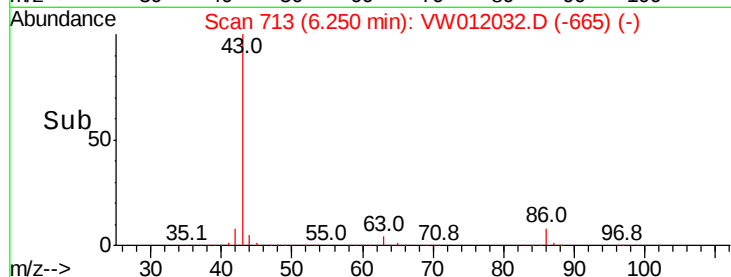
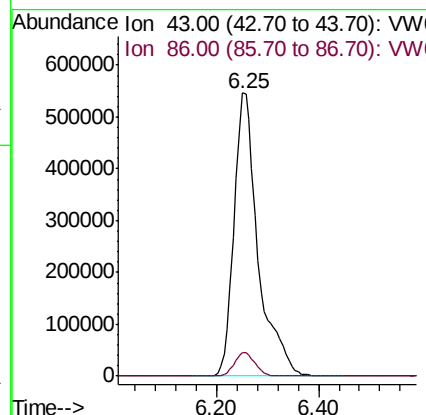
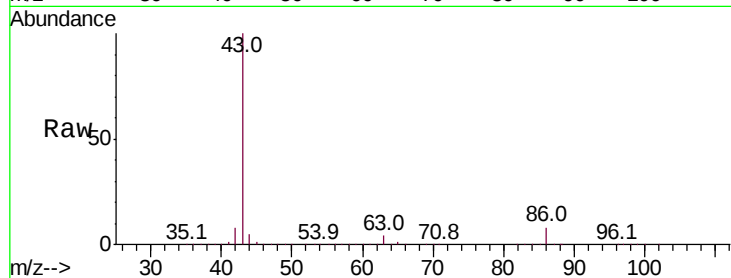




#23
 Vinyl Acetate
 Concen: 269.179 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

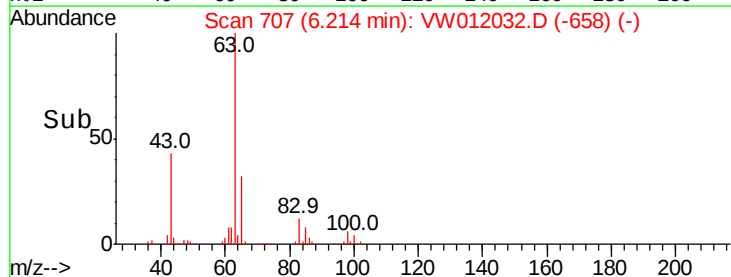
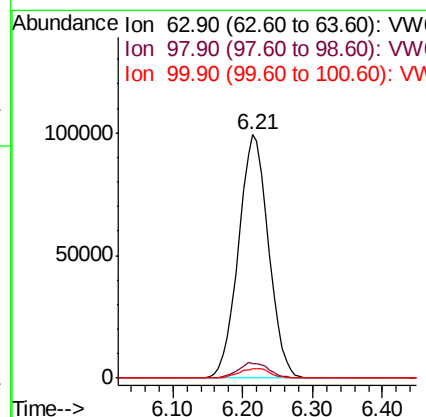
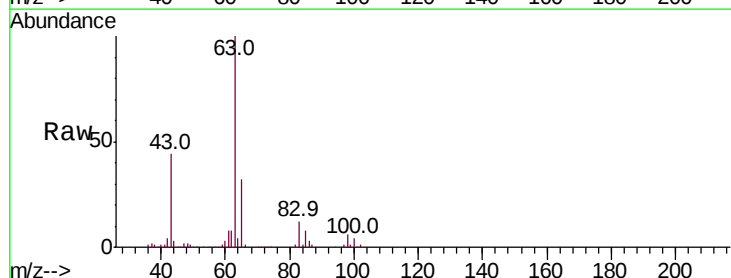
Instrument :
 MSVOA_W
 ClientSampleId :

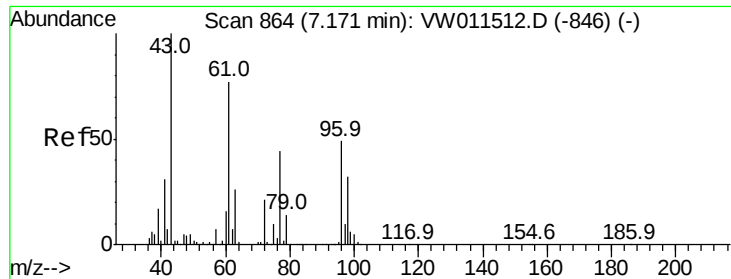
Tot Ion: 43 Resp: 1796536
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 51.994 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion: 63 Resp: 295773
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 247.363 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

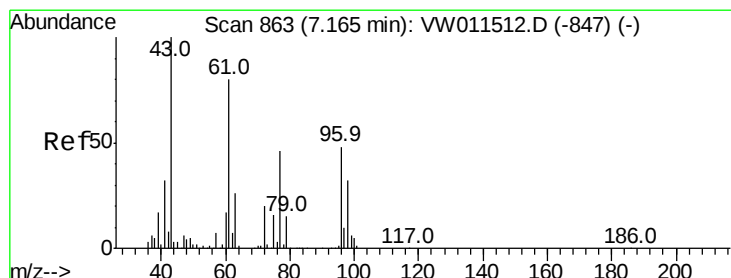
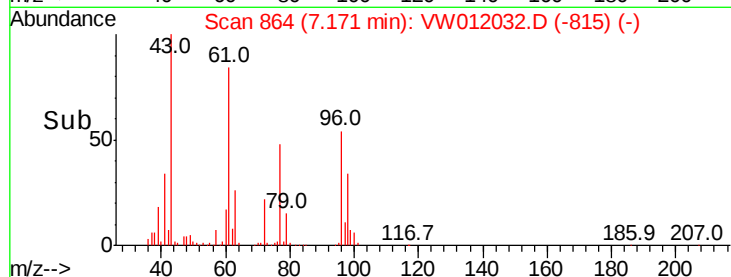
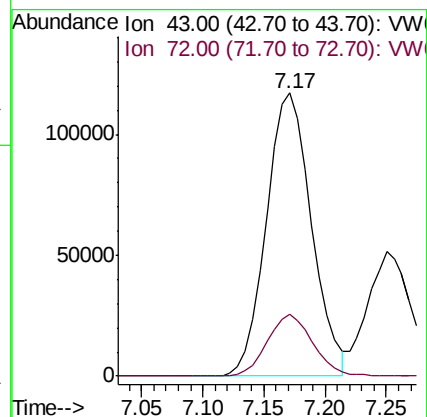
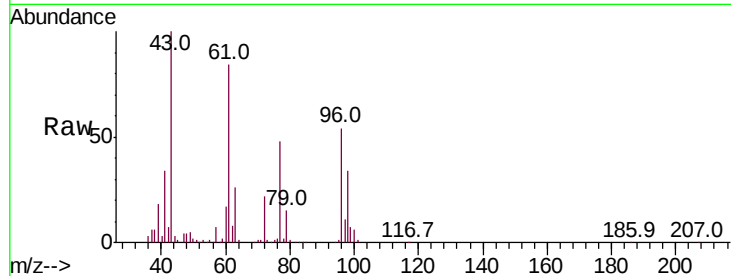
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 300698

Ion Ratio Lower Upper

43 100

72 21.8 16.6 24.8



#26

2,2-Dichloropropane

Concen: 48.173 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012032.D

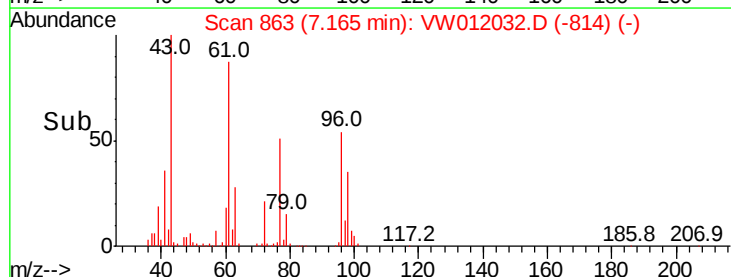
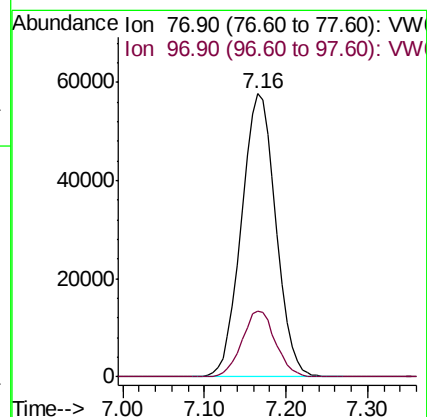
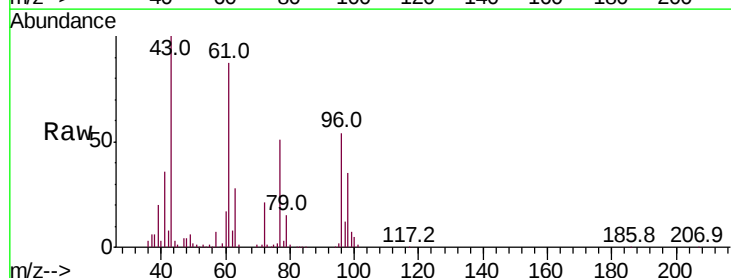
Acq: 20 Aug 2019 15:27

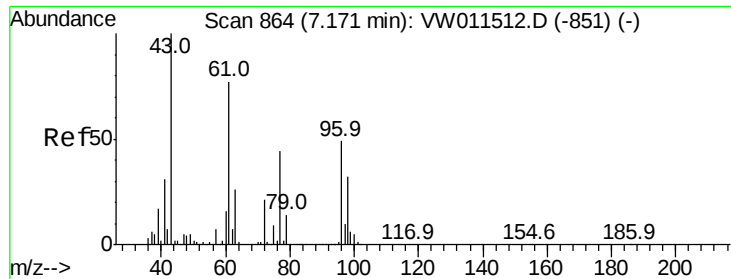
Tgt Ion: 77 Resp: 168529

Ion Ratio Lower Upper

77 100

97 22.6 10.8 32.4



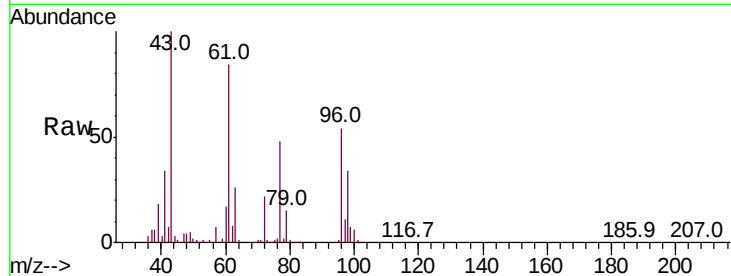


#27

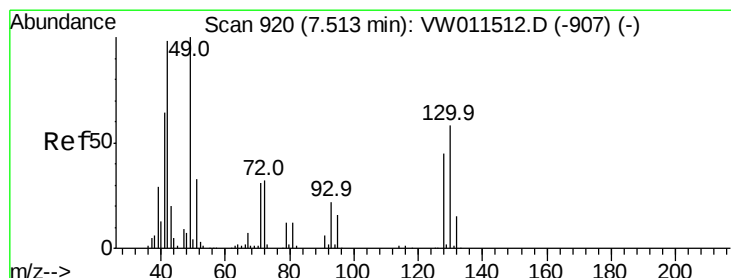
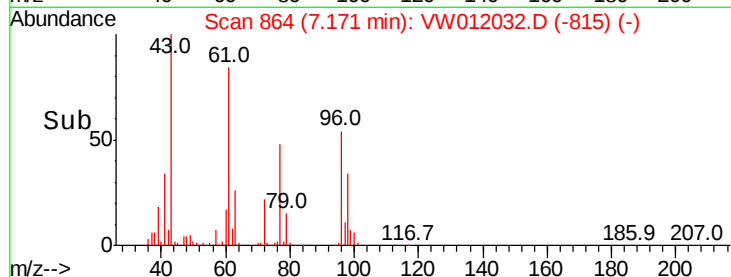
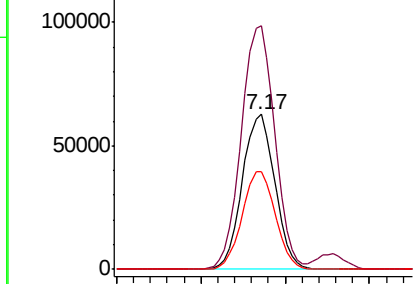
cis-1,2-Dichloroethene
 Concen: 52.092 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	328.4
98	64.4	0.0	128.8



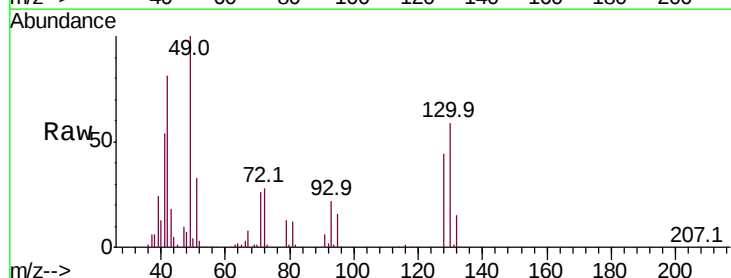
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



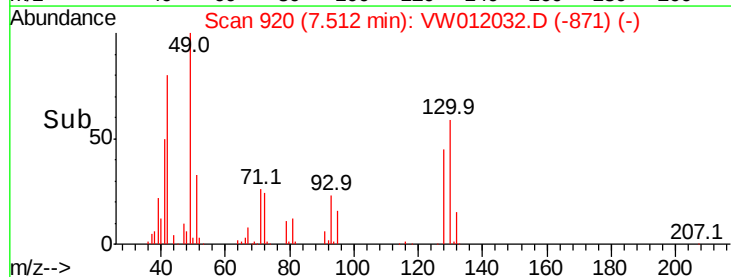
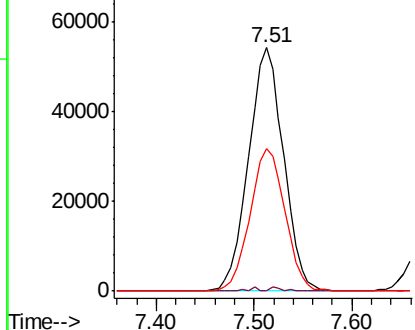
#28

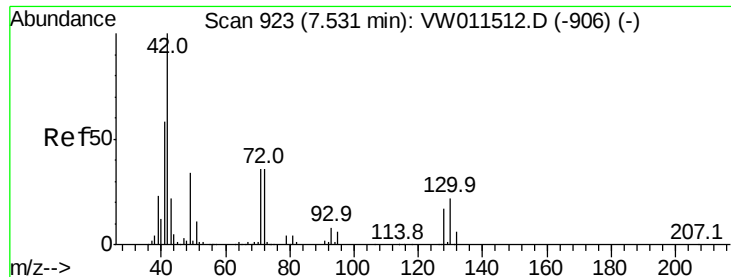
Bromochloromethane
 Concen: 53.355 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.0
130	58.4	46.3	69.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

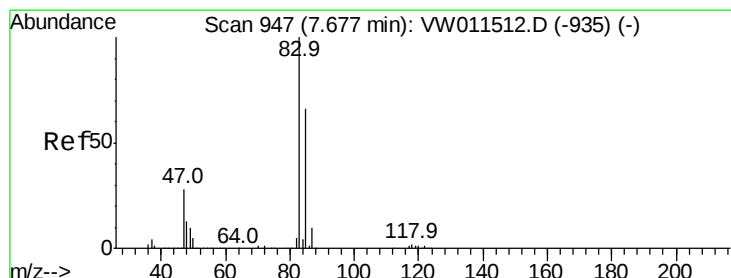
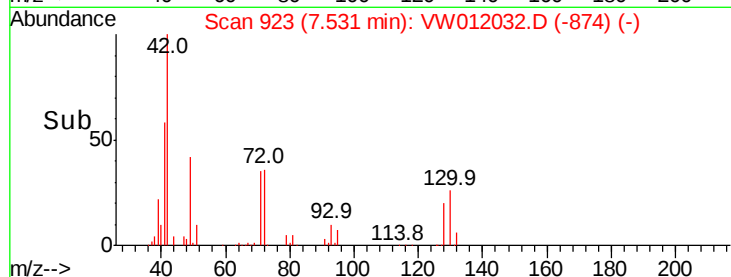
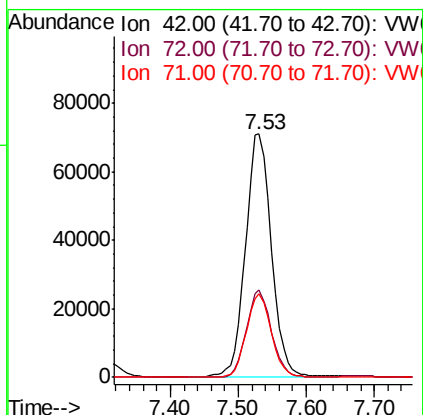
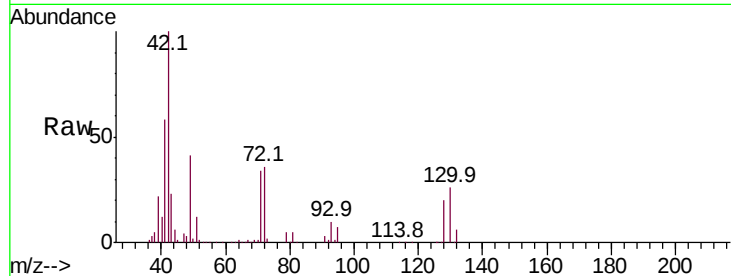




#29
Tetrahydrofuran
Concen: 271.625 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

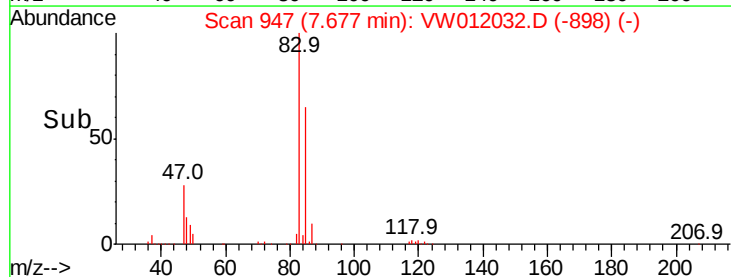
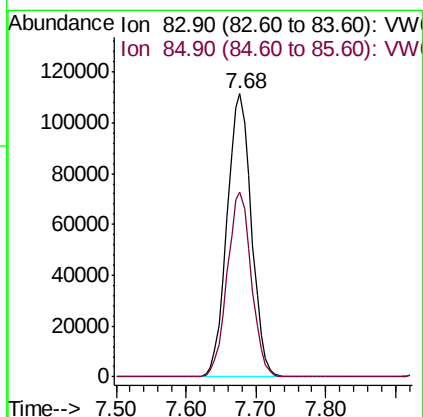
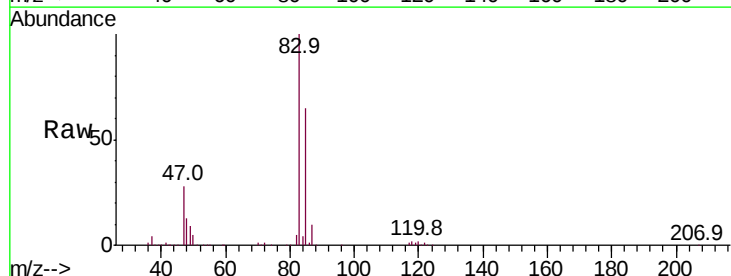
Instrument :
MSVOA_W
ClientSampleId :

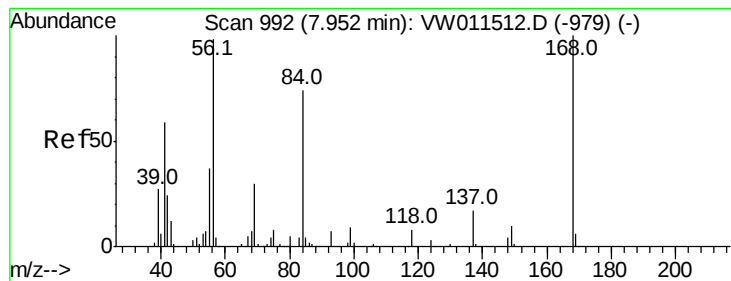
Tot Ion: 42 Resp: 188740
Ion Ratio Lower Upper
42 100
72 34.7 27.1 40.7
71 33.1 26.2 39.4



#30
Chloroform
Concen: 51.256 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 83 Resp: 268995
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 49.832 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

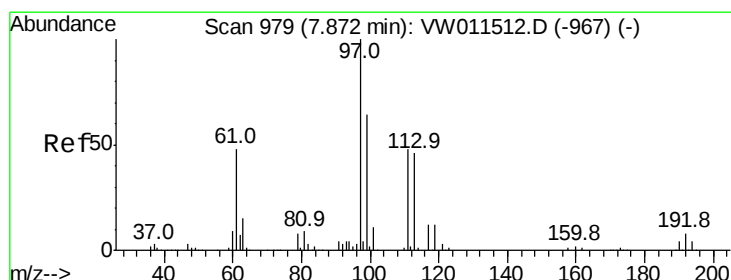
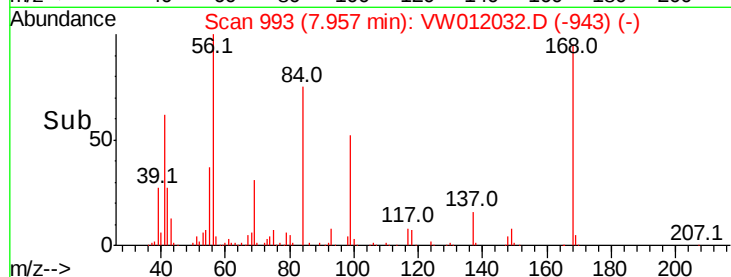
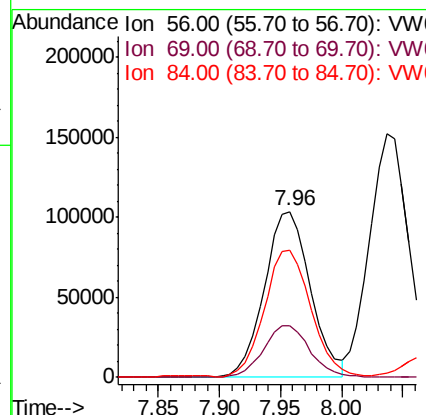
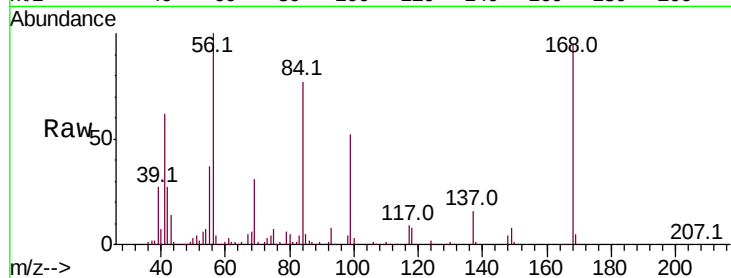
Tot Ion: 56 Resp: 272110

Ion Ratio Lower Upper

56 100

69 30.7 24.3 36.5

84 75.4 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 53.667 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

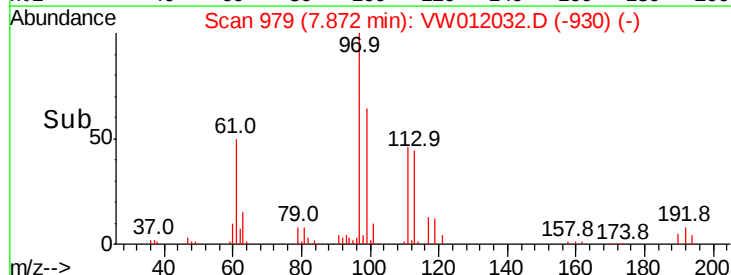
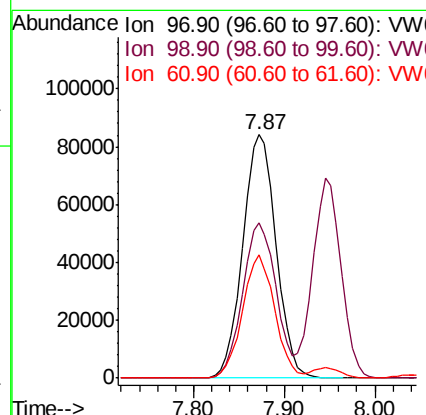
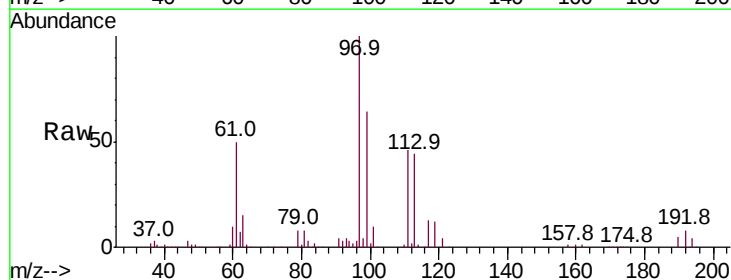
Tgt Ion: 97 Resp: 214496

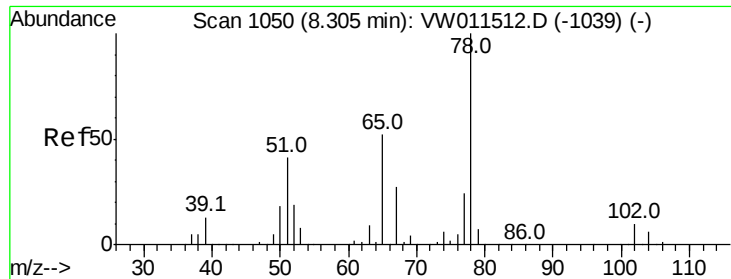
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 48.8 39.8 59.6

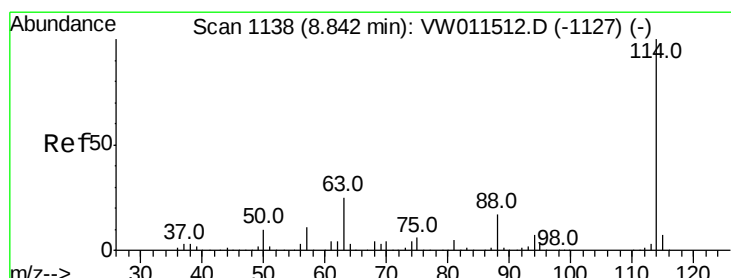
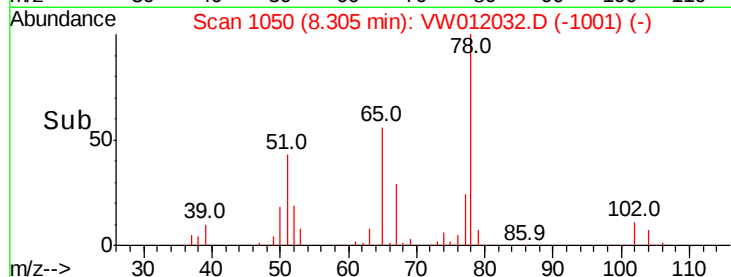
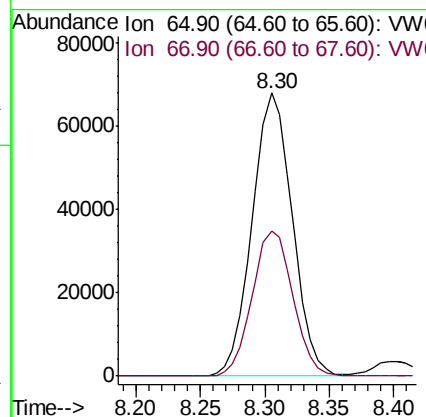
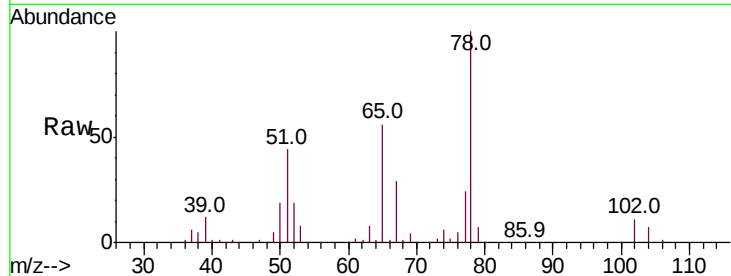




#33
 1,2-Dichloroethane-d4
 Concen: 50.195 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

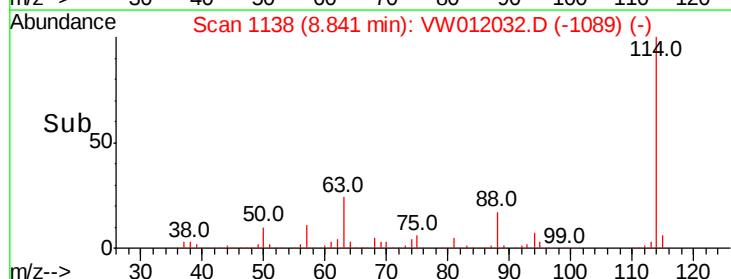
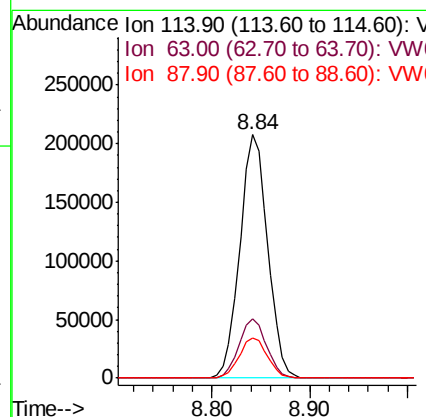
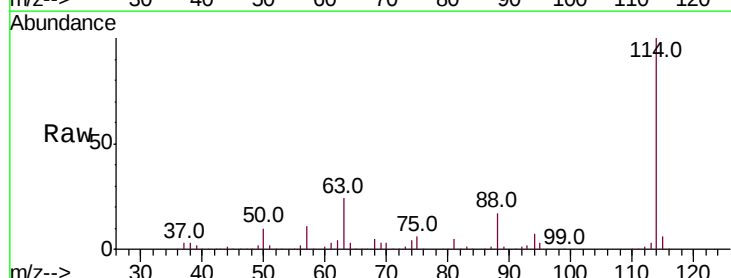
Instrument :
 MSVOA_W
 ClientSampled :

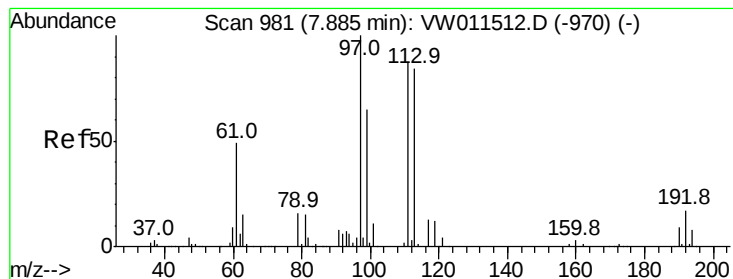
Tot Ion: 65 Resp: 146593
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion: 114 Resp: 408114
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.384 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

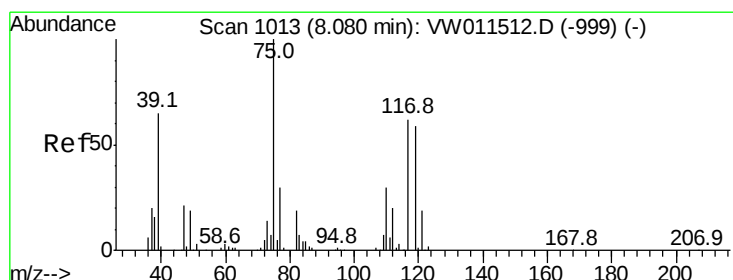
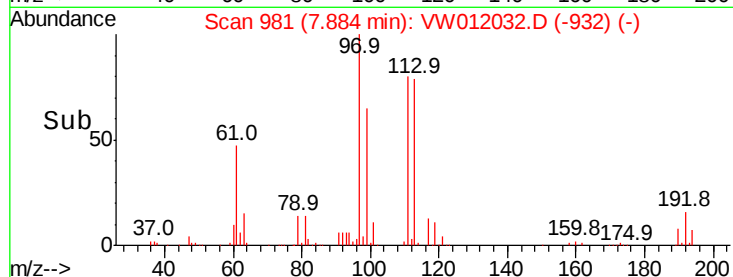
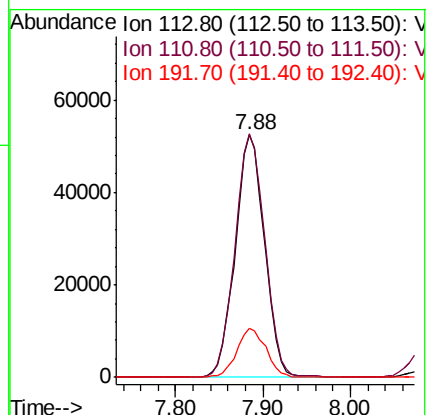
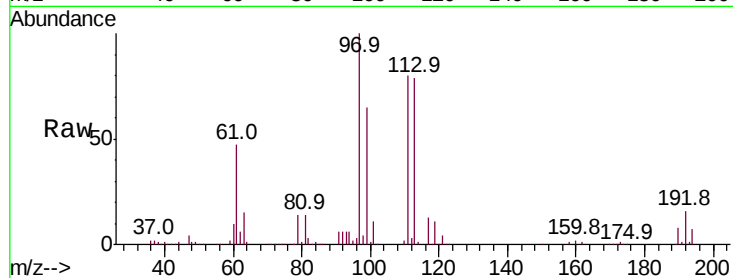
Tot Ion:113 Resp: 122228

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 20.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 52.842 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

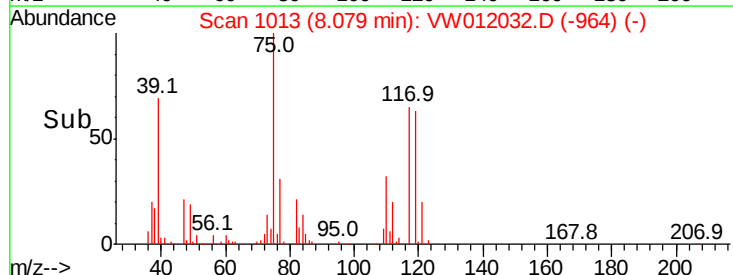
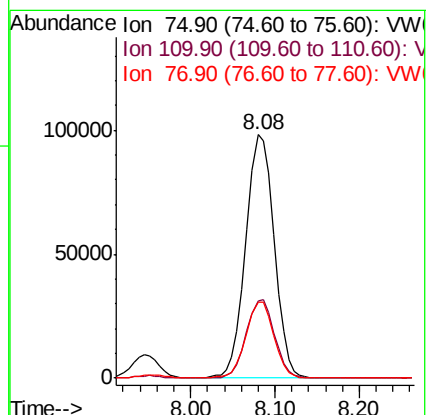
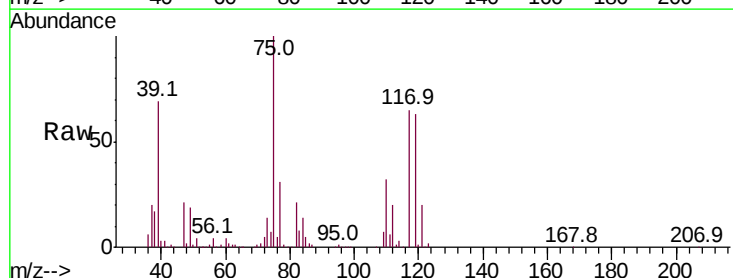
Tgt Ion: 75 Resp: 224244

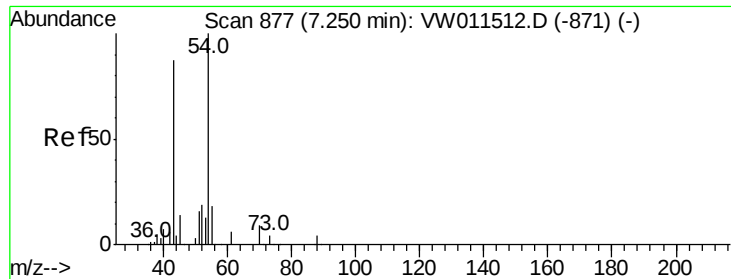
Ion Ratio Lower Upper

75 100

110 31.8 15.6 46.8

77 31.1 24.3 36.5

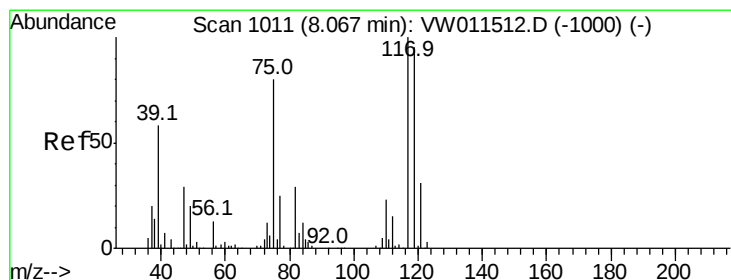
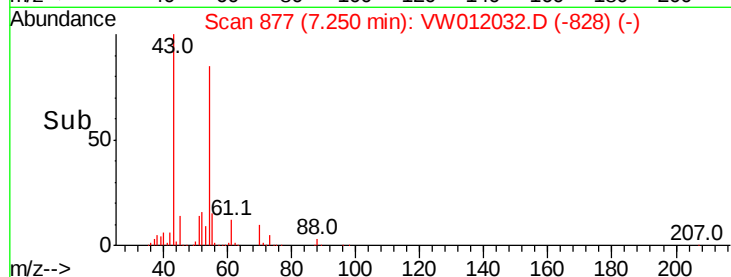
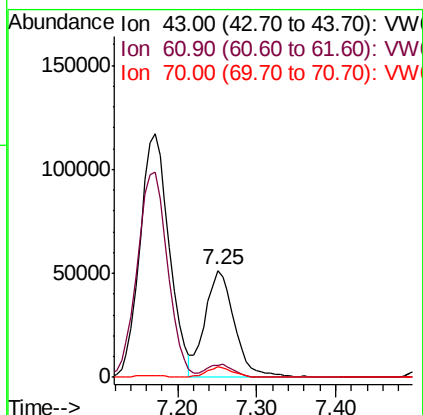
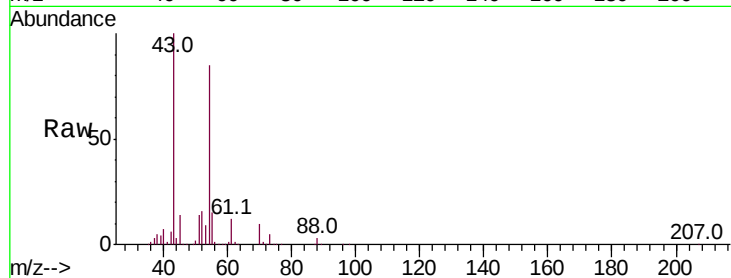




#37
Ethyl Acetate
Concen: 54.389 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

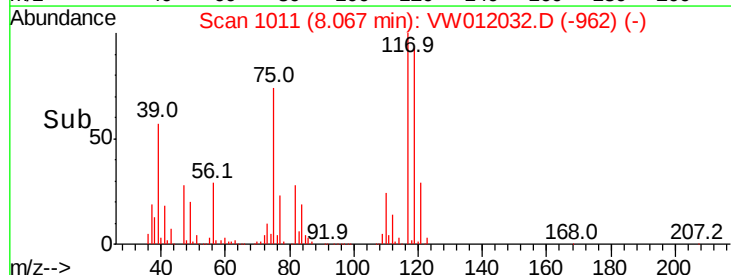
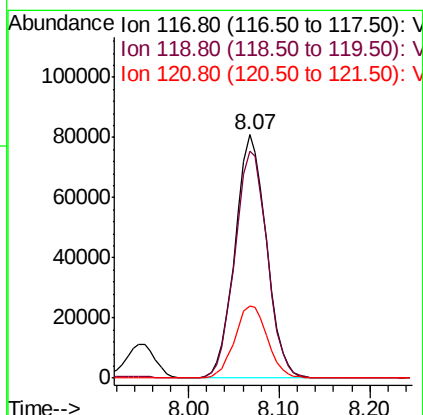
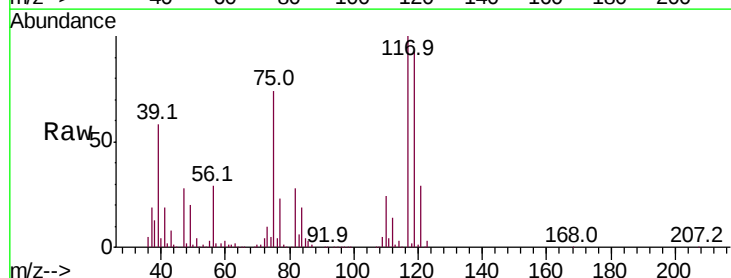
Instrument :
MSVOA_W
ClientSampled :

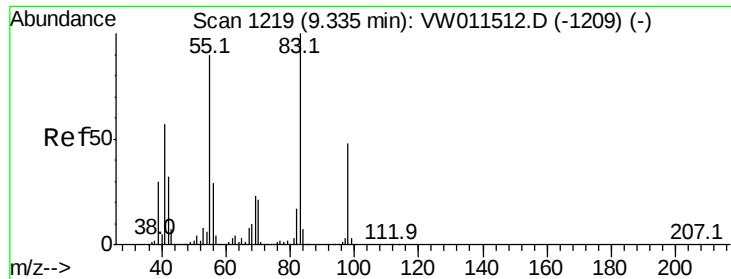
Tot Ion: 43 Resp: 132790
Ion Ratio Lower Upper
43 100
61 11.4 8.8 13.2
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 53.581 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 117 Resp: 194652
Ion Ratio Lower Upper
117 100
119 93.3 75.8 113.6
121 29.4 24.7 37.1

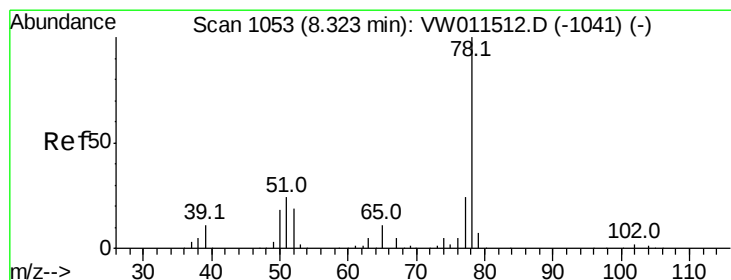
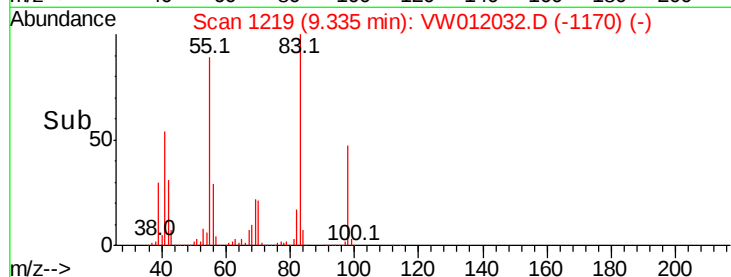
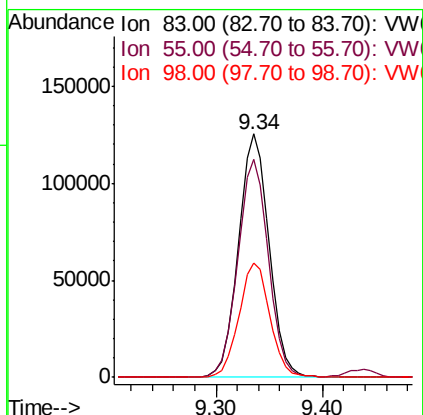
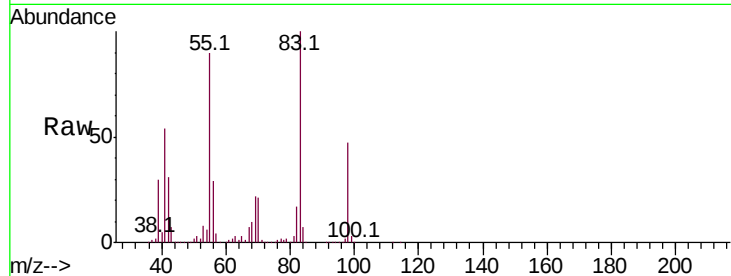




#39
Methvlcvclohexane
Concen: 54.232 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

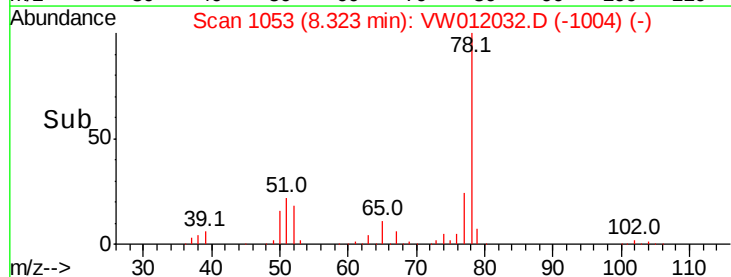
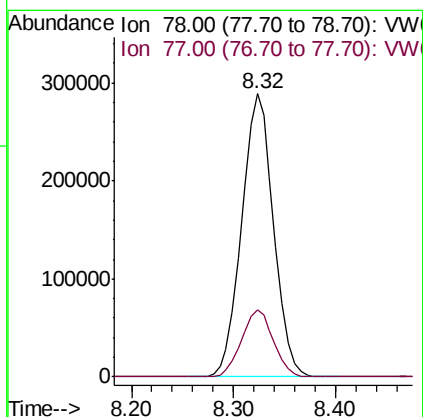
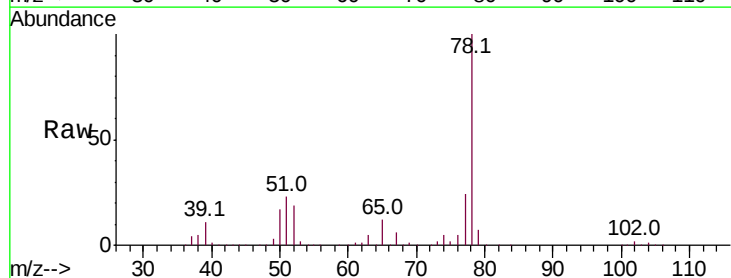
Instrument :
MSVOA_W
ClientSampleId :

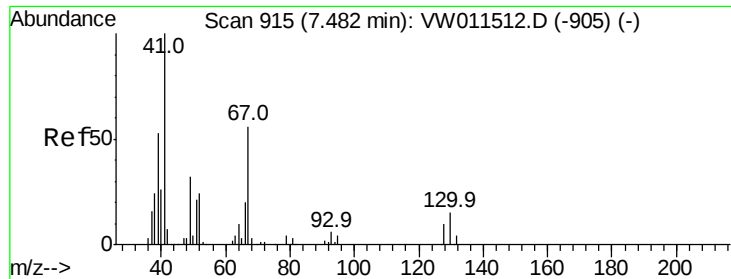
Tot Ion: 83 Resp: 253411
Ion Ratio Lower Upper
83 100
55 89.5 72.1 108.1
98 47.0 38.6 57.8



#40
Benzene
Concen: 52.541 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 78 Resp: 624544
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

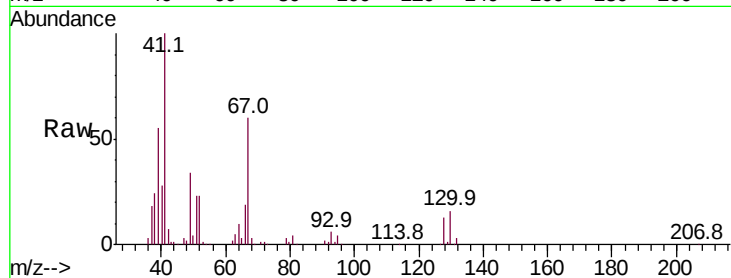




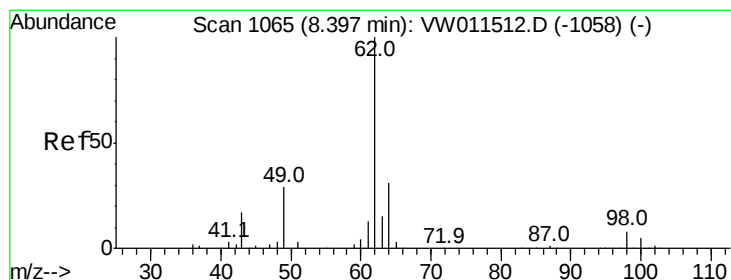
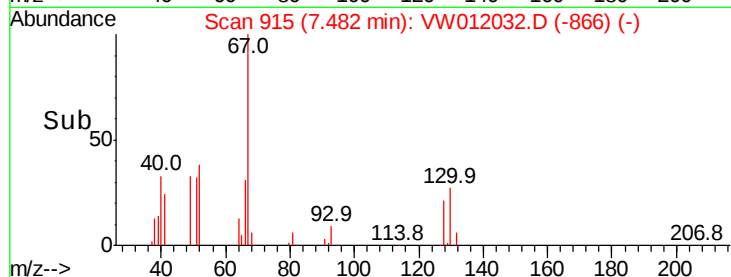
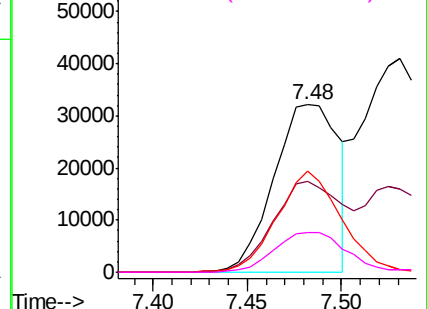
#41
Methacrylonitrile
Concen: 52.379 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	76444
Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.0	64.4
67	60.0	47.5	71.3
52	27.1	21.0	31.6

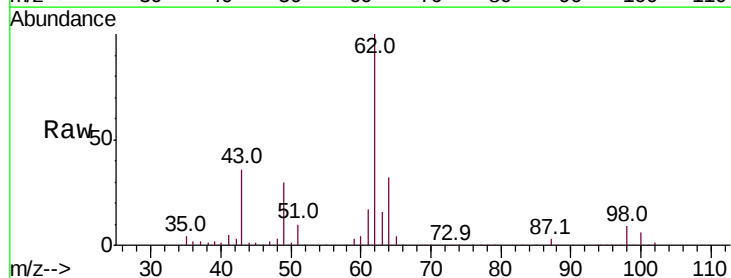


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

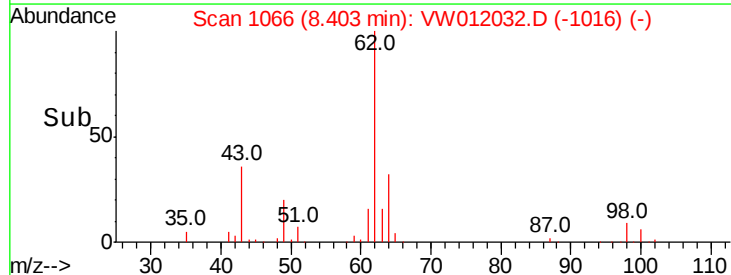
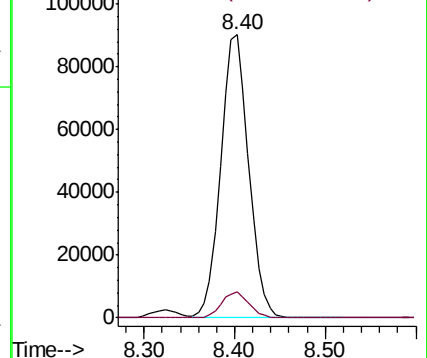


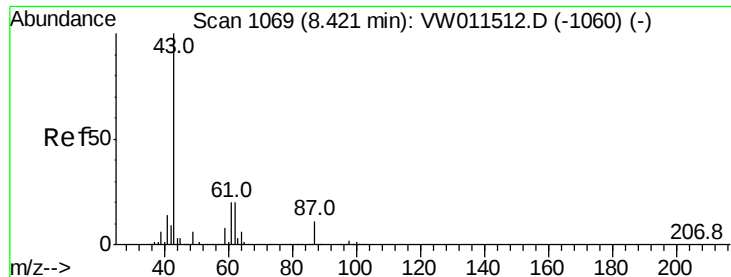
#42
1,2-Dichloroethane
Concen: 52.089 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:	62	Resp:	193851
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 55.303 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

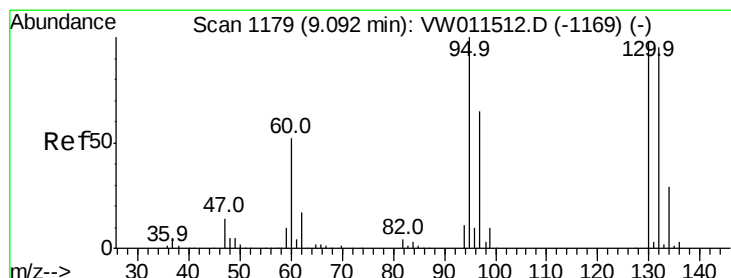
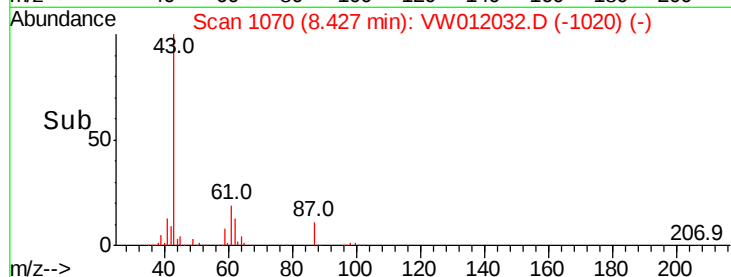
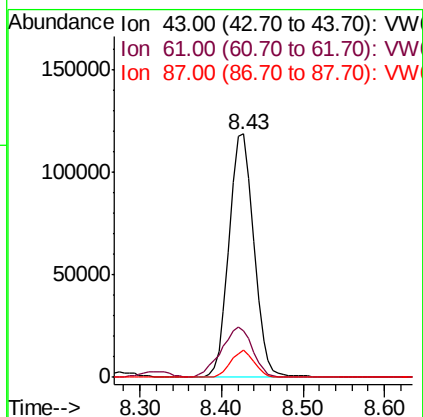
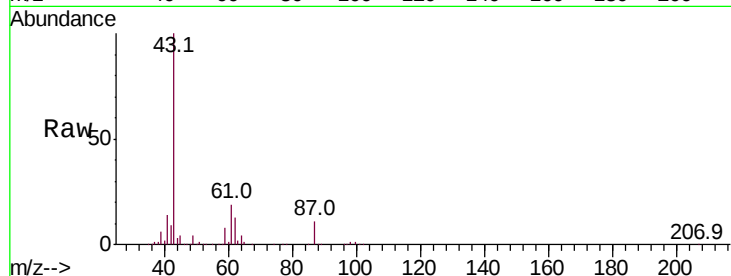
Tot Ion: 43 Resp: 248315

Ion Ratio Lower Upper

43 100

61 26.2 21.5 32.3

87 10.6 8.4 12.6



#44

Trichloroethene

Concen: 53.185 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012032.D

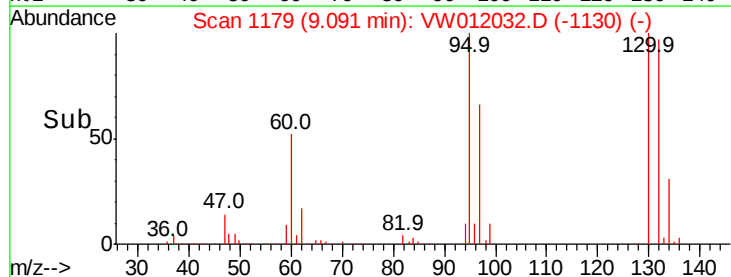
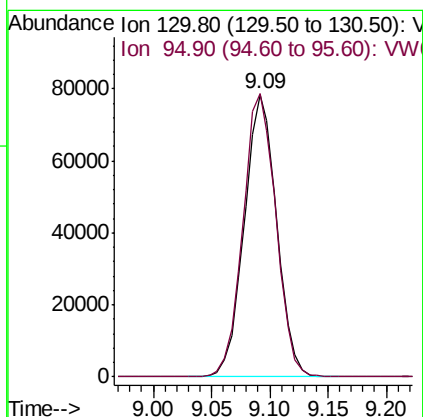
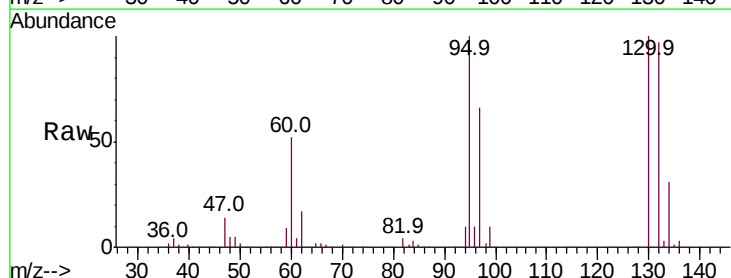
Acq: 20 Aug 2019 15:27

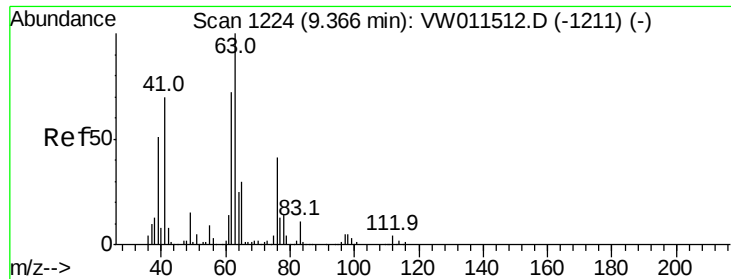
Tgt Ion: 130 Resp: 151947

Ion Ratio Lower Upper

130 100

95 100.2 0.0 204.8





#45

1,2-Dichloropropane

Concen: 53.620 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

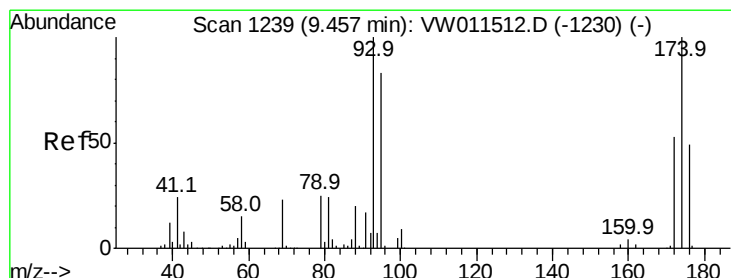
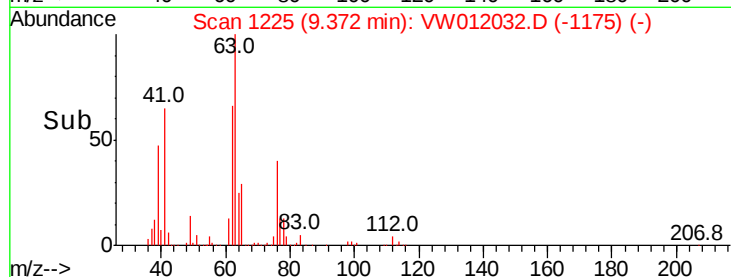
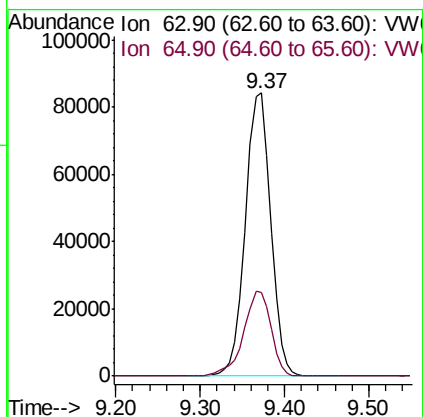
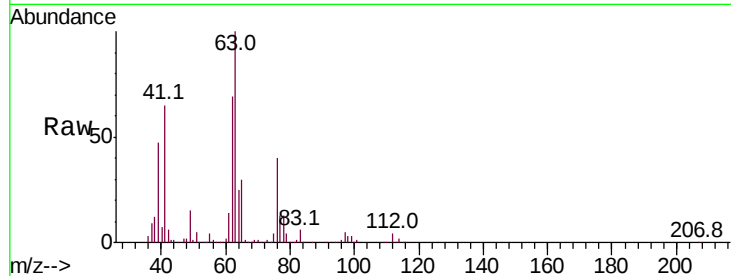
ClientSampleId :

Tot Ion: 63 Resp: 170537

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.4



#46

Dibromomethane

Concen: 53.669 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

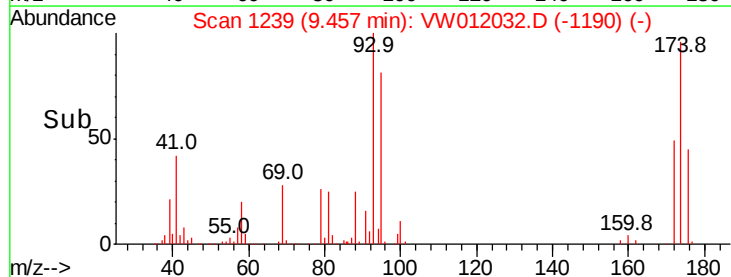
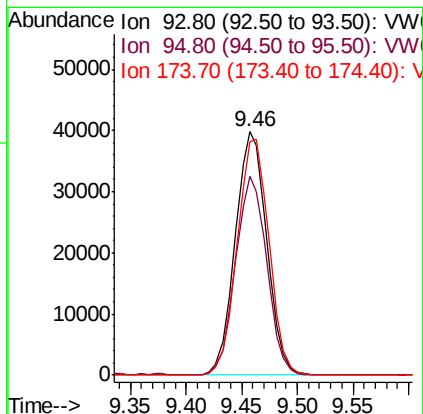
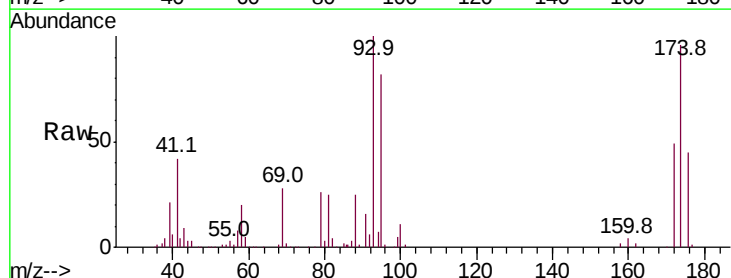
Tgt Ion: 93 Resp: 77908

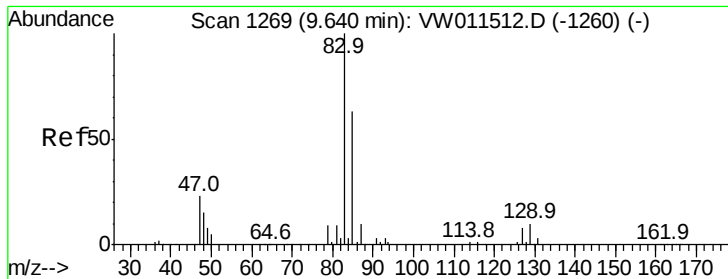
Ion Ratio Lower Upper

93 100

95 81.4 66.2 99.2

174 98.1 78.2 117.4





#47

Bromodichloromethane

Concen: 53.383 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

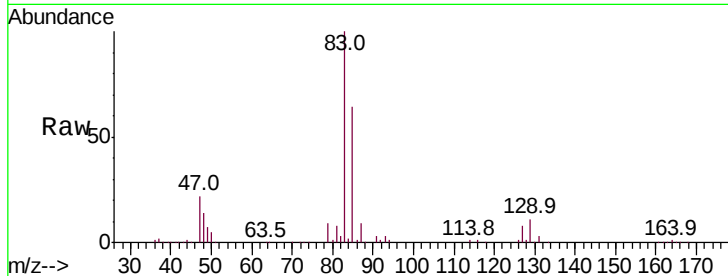
Tot Ion: 83 Resp: 203271

Ion Ratio Lower Upper

83 100

85 63.6 50.5 75.7

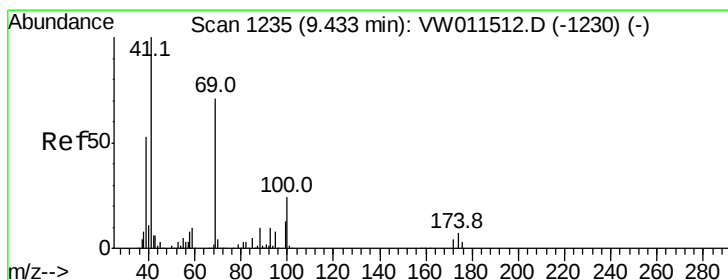
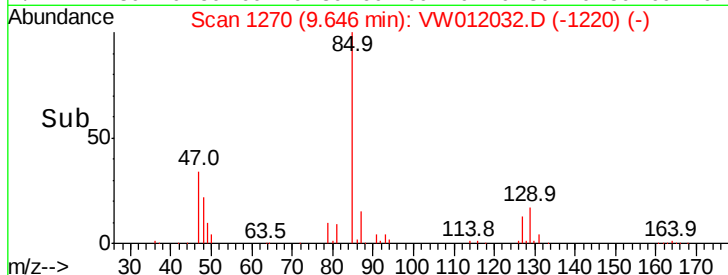
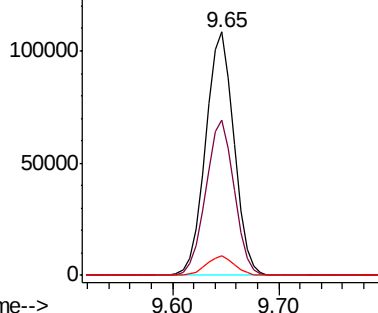
127 8.2 6.4 9.6



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: 56.117 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

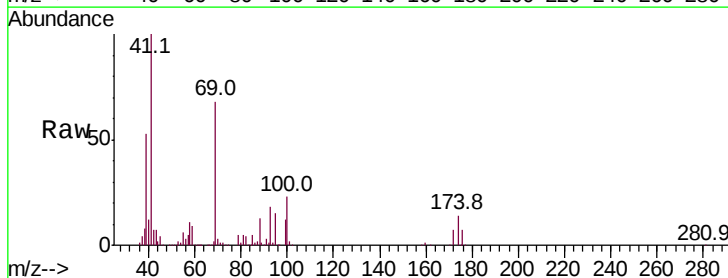
Tgt Ion: 41 Resp: 121036

Ion Ratio Lower Upper

41 100

69 71.8 57.1 85.7

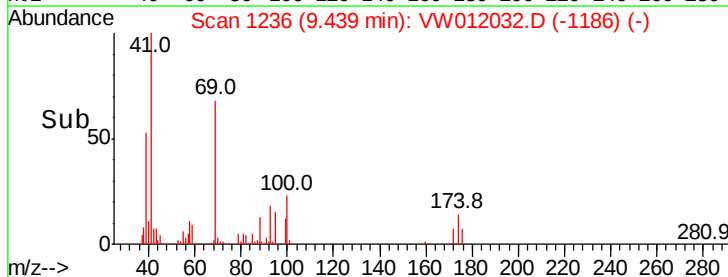
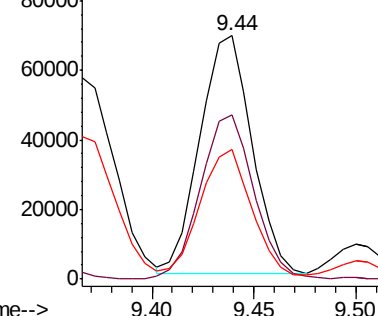
39 51.1 45.4 68.2

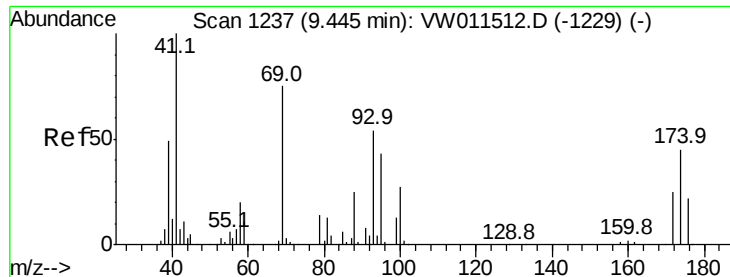


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1210.733 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

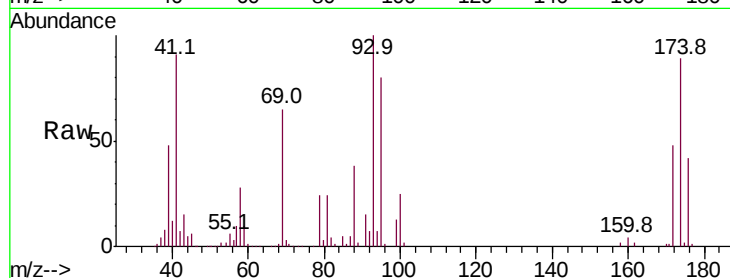
Tot Ion: 88 Resp: 25448

Ion Ratio Lower Upper

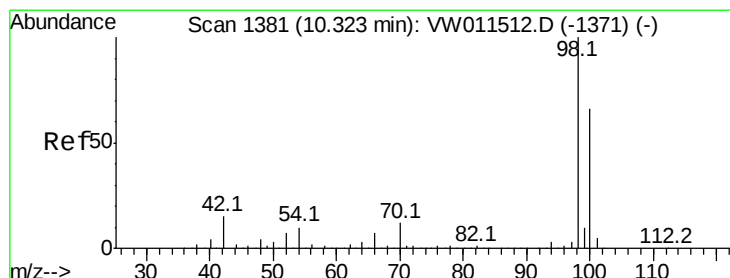
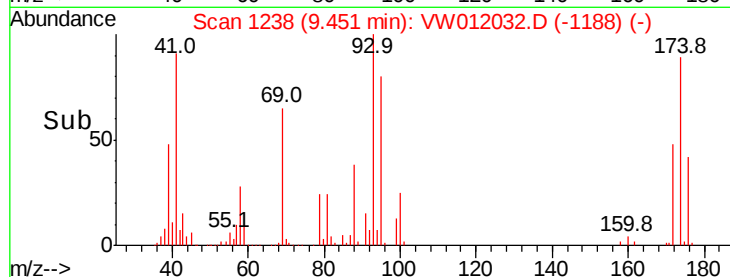
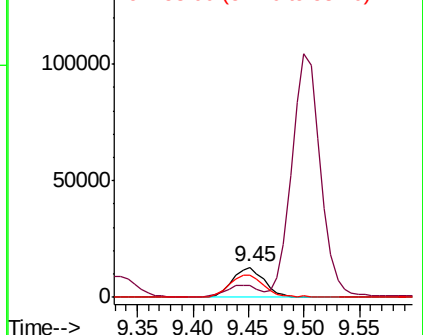
88 100

43 40.3 34.0 51.0

58 84.4 69.7 104.5



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



#50

Toluene-d8

Concen: 52.048 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012032.D

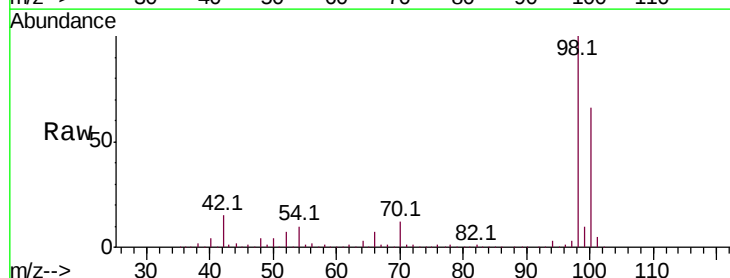
Acq: 20 Aug 2019 15:27

Tgt Ion: 98 Resp: 487907

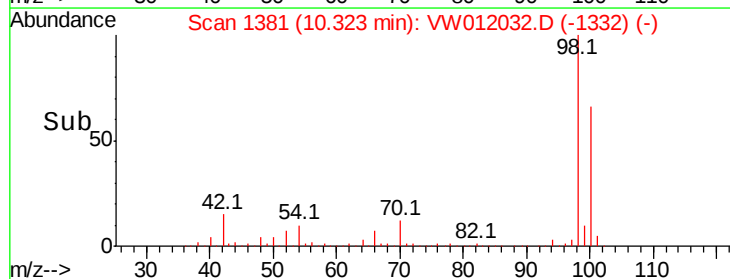
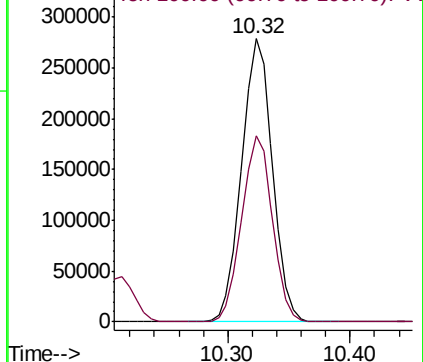
Ion Ratio Lower Upper

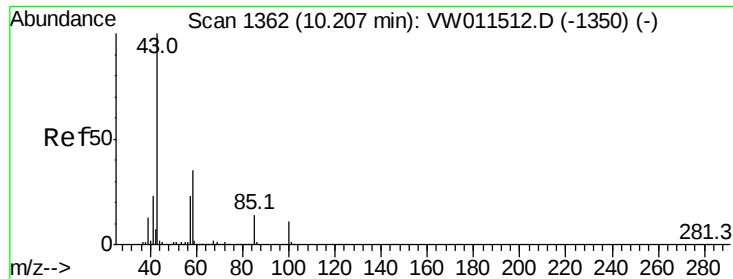
98 100

100 65.5 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 275.650 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

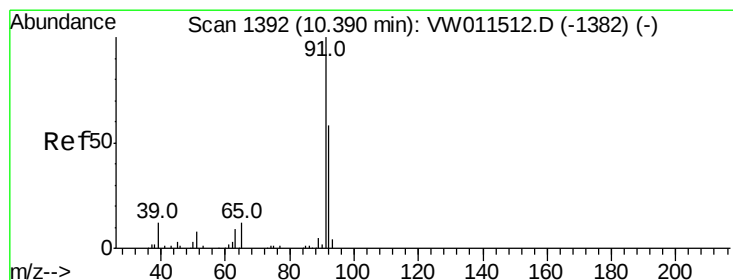
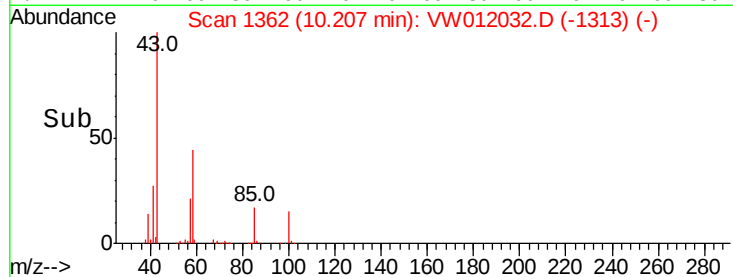
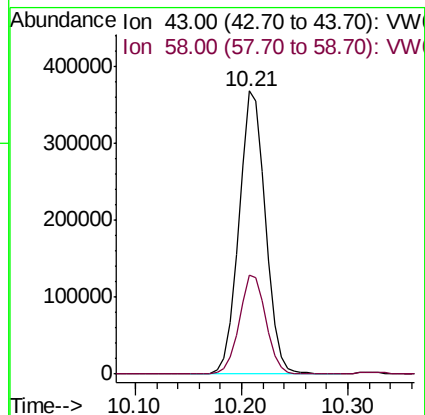
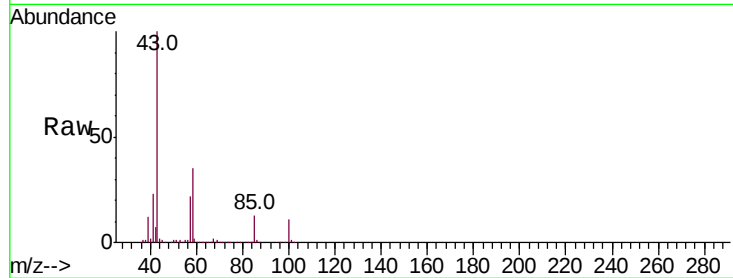
ClientSampled :

Tot Ion: 43 Resp: 643783

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2



#52

Toluene

Concen: 52.958 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012032.D

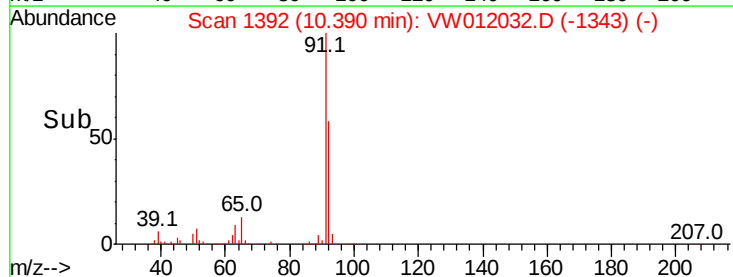
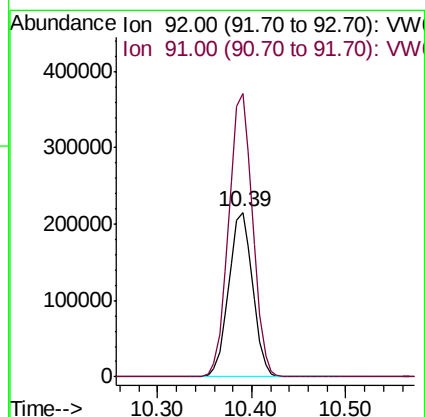
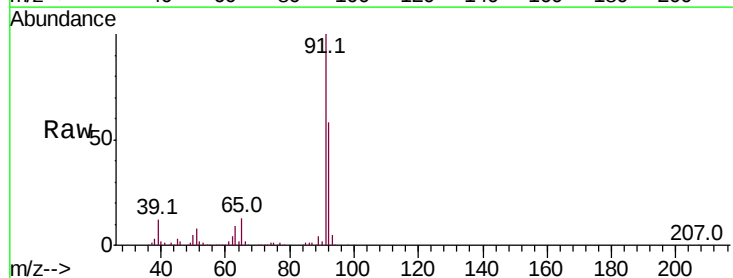
Acq: 20 Aug 2019 15:27

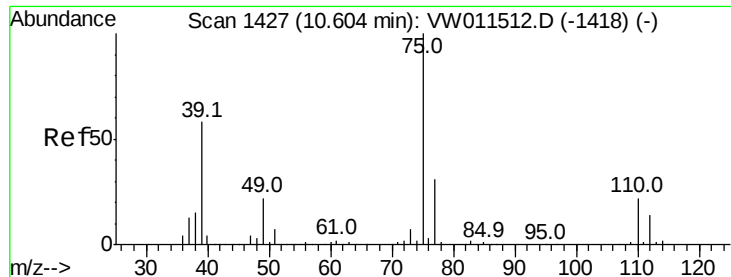
Tgt Ion: 92 Resp: 380153

Ion Ratio Lower Upper

92 100

91 171.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.435 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

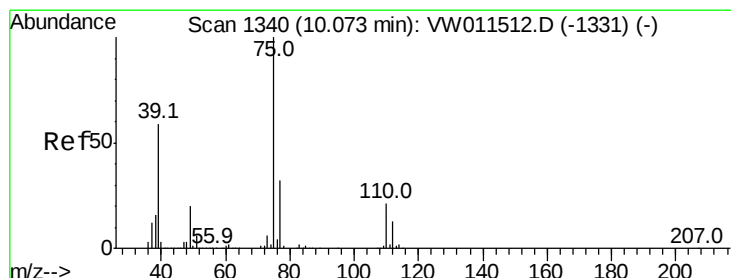
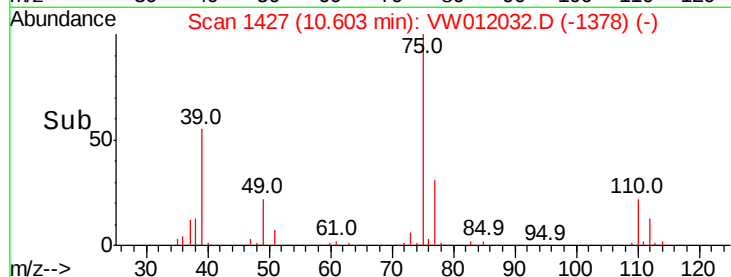
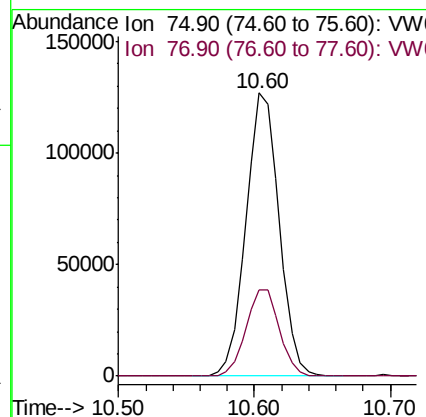
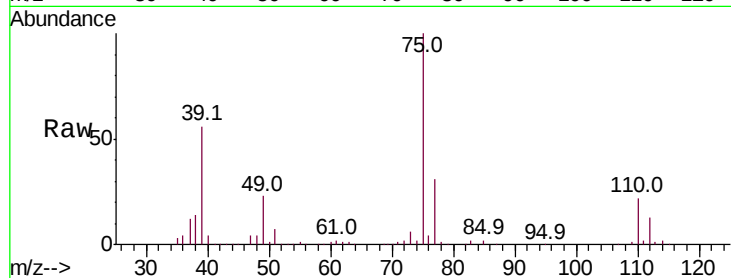
ClientSampleId :

Tot Ion: 75 Resp: 216525

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.699 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

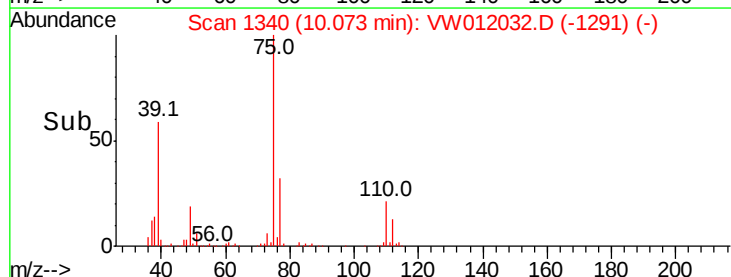
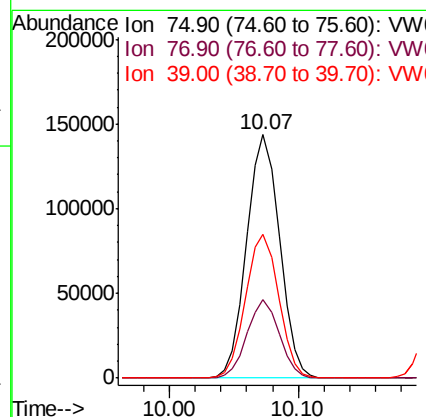
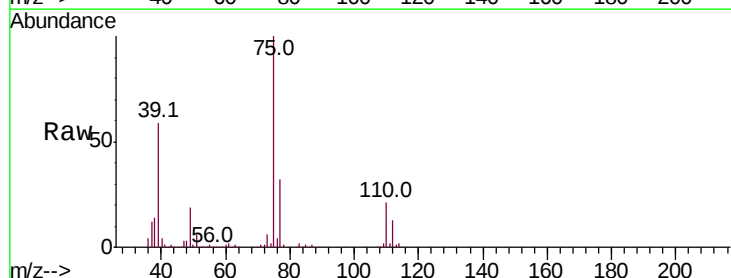
Tgt Ion: 75 Resp: 253969

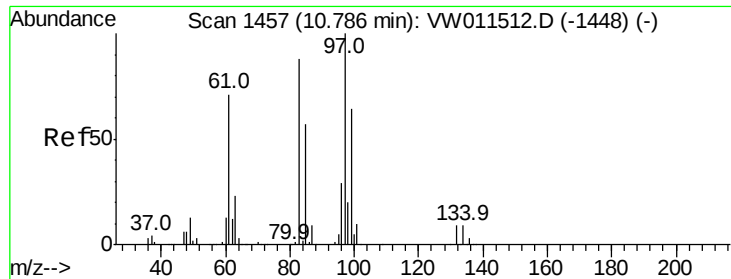
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 58.9 47.0 70.4

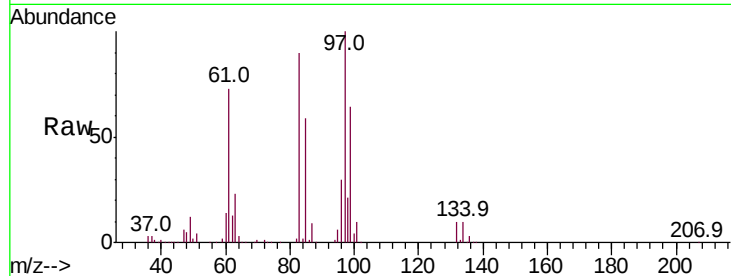




#55
 1,1,2-Trichloroethane
 Concen: 53.196 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	109566
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.5	105.7
85	59.3	45.8	68.6
99	64.3	51.0	76.4



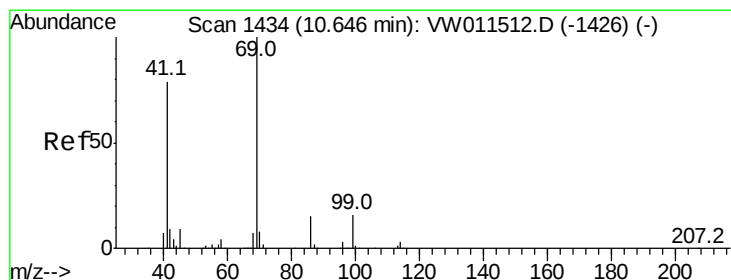
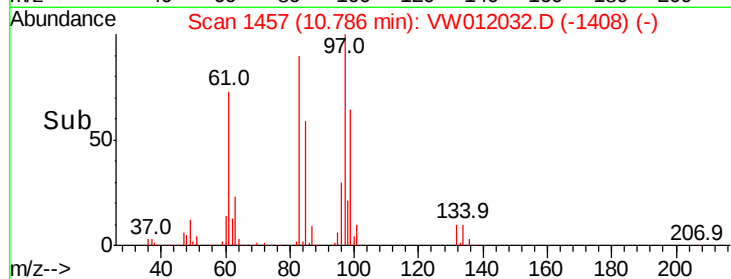
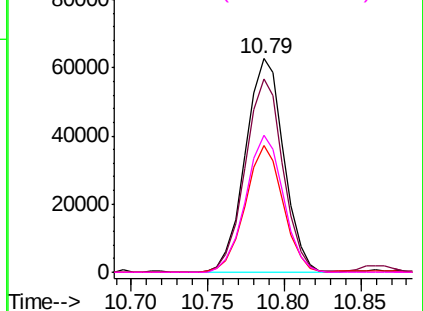
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

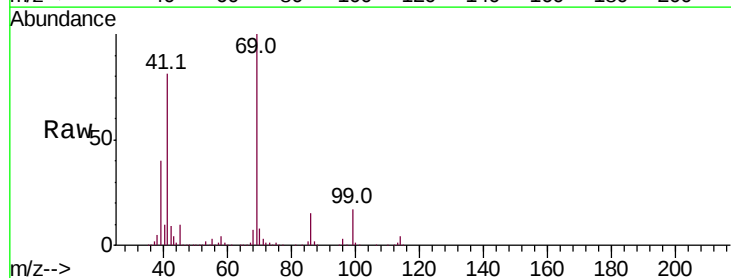
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 56.385 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion:	69	Resp:	169941
Ion	Ratio	Lower	Upper
69	100		
41	80.9	66.6	99.8
39	38.0	30.3	45.5

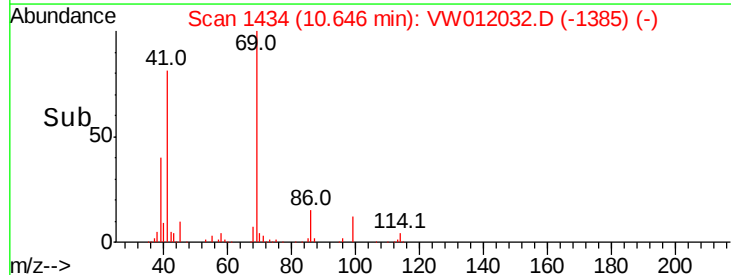
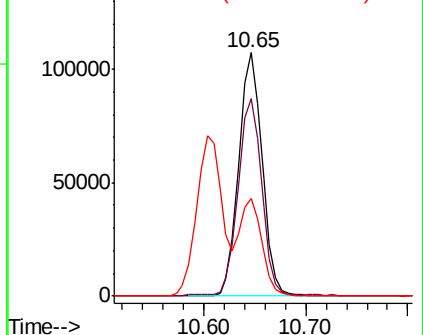


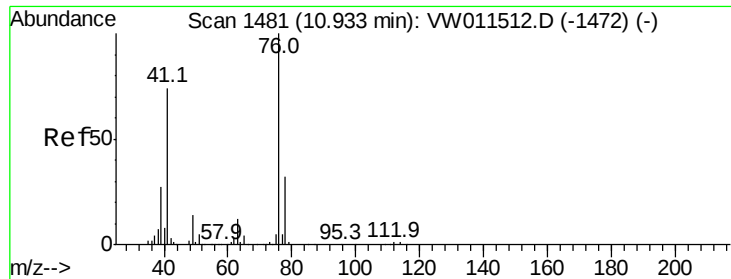
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 53.404 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

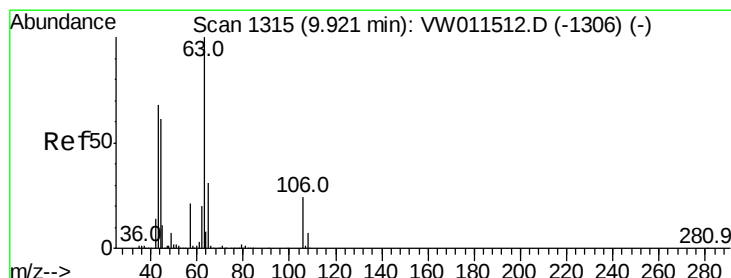
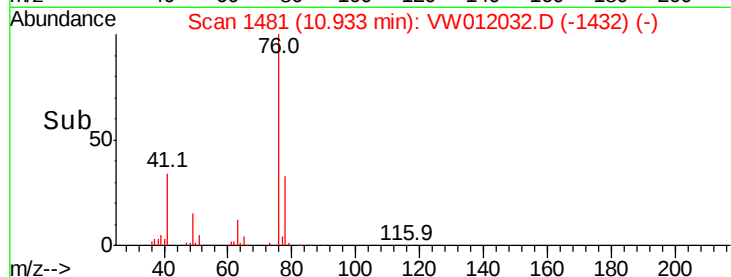
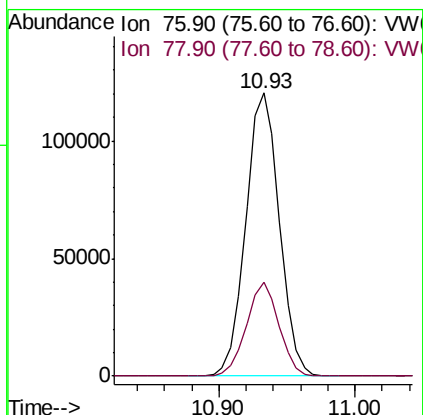
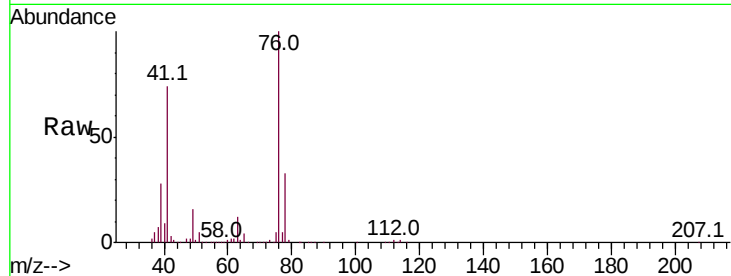
ClientSampled :

Tot Ion: 76 Resp: 208097

Ion Ratio Lower Upper

76 100

78 32.1 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 335.910 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW012032.D

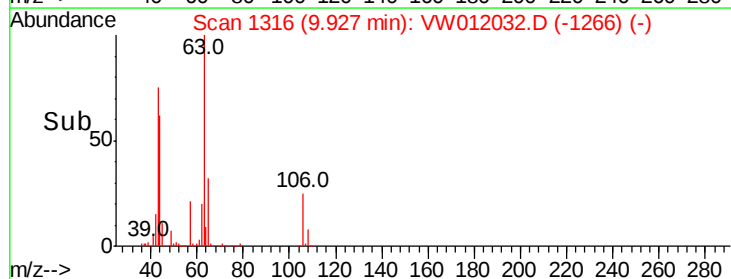
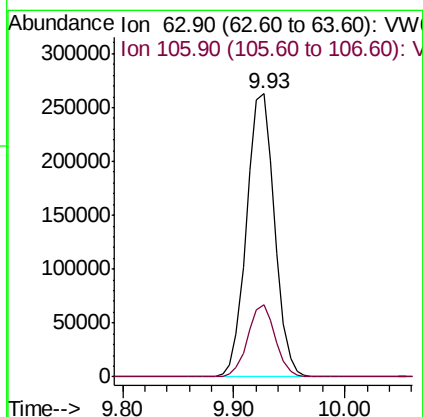
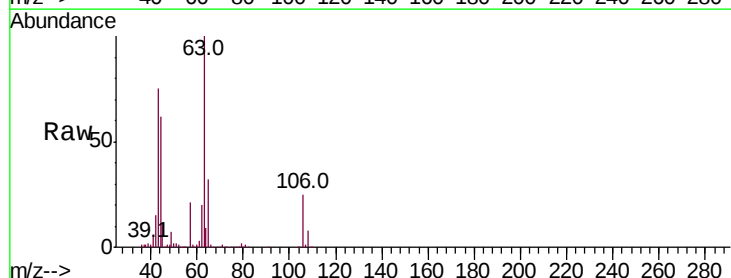
Acq: 20 Aug 2019 15:27

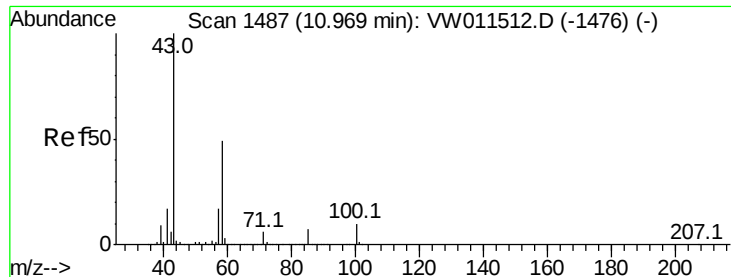
Tgt Ion: 63 Resp: 459673

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5

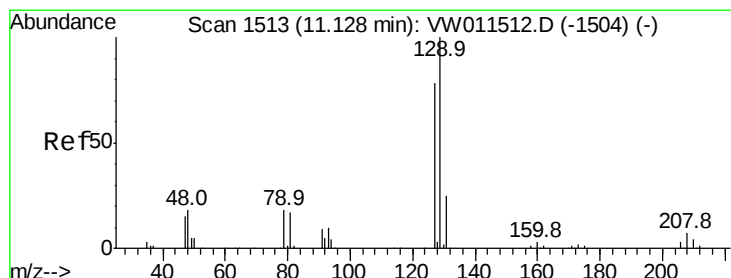
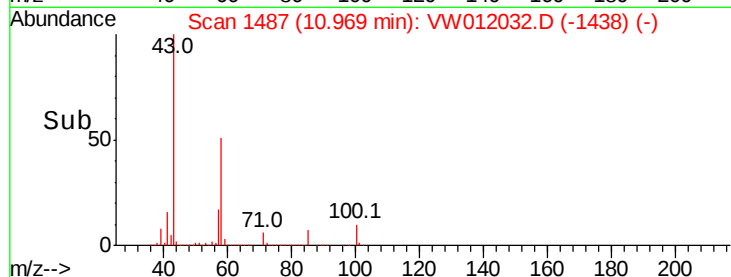
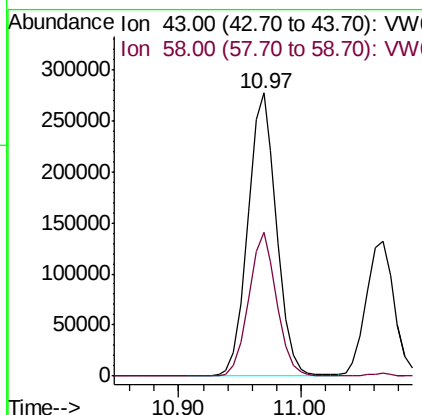
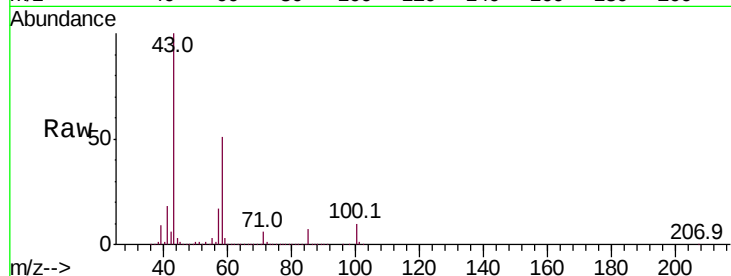




#59
2-Hexanone
Concen: 272.839 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

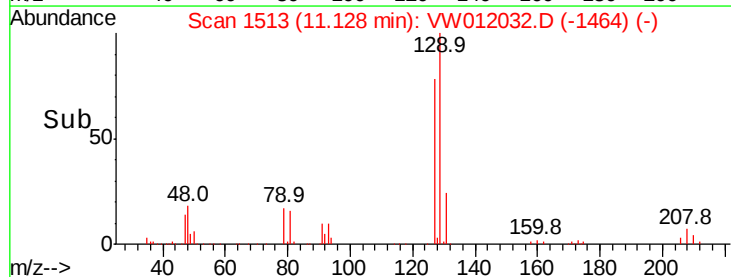
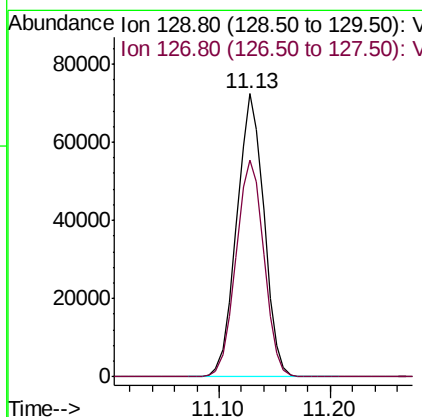
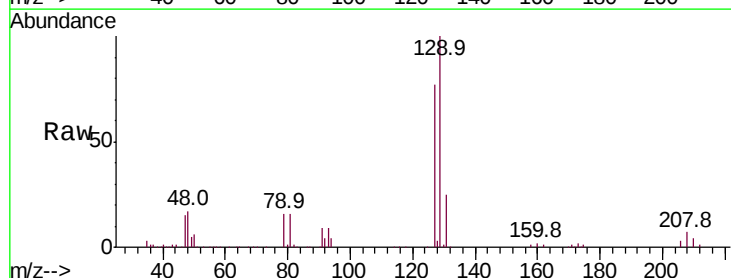
Instrument :
MSVOA_W
ClientSampled :

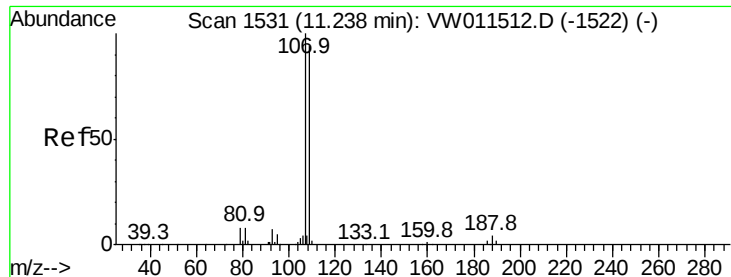
Tot Ion: 43 Resp: 449917
Ion Ratio Lower Upper
43 100
58 49.7 24.3 72.9



#60
Dibromochloromethane
Concen: 53.716 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 129 Resp: 122809
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.410 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

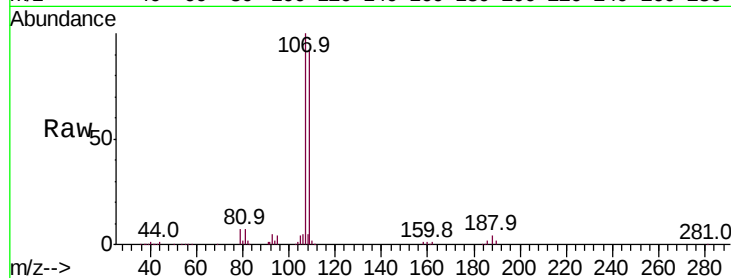
ClientSampleId :

Tot Ion:107 Resp: 104102

Ion Ratio Lower Upper

107 100

109 93.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

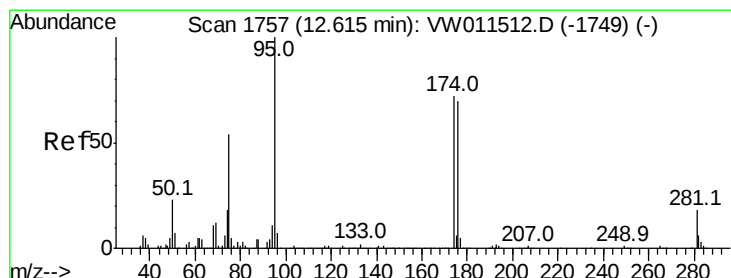
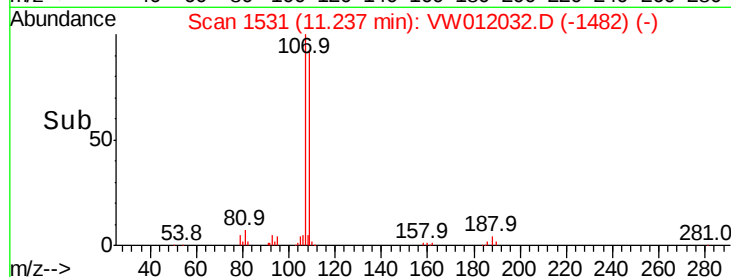
40000

20000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 51.853 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

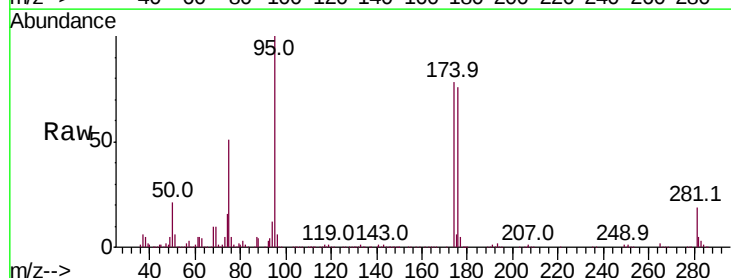
Tgt Ion: 95 Resp: 173300

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.2

176 74.0 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

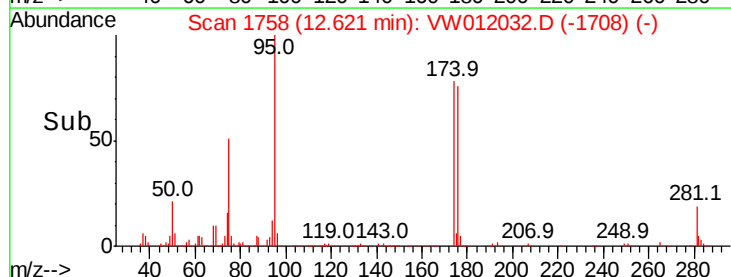
100000

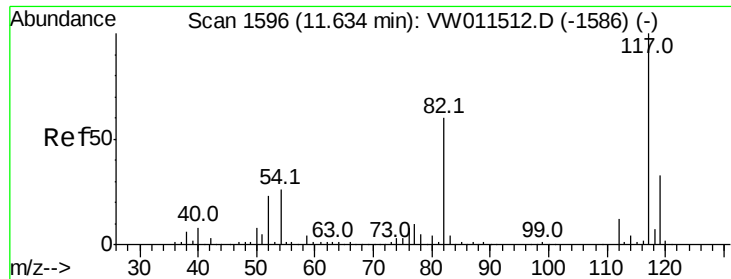
50000

0

Time-->

12.60 12.70

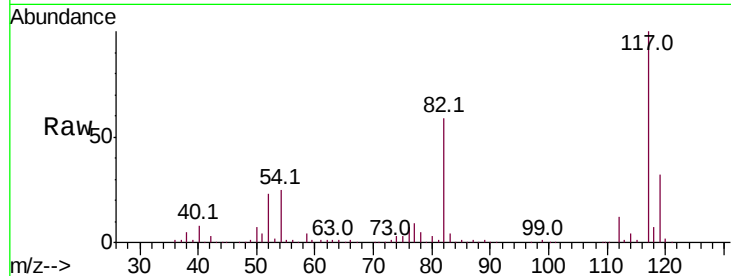




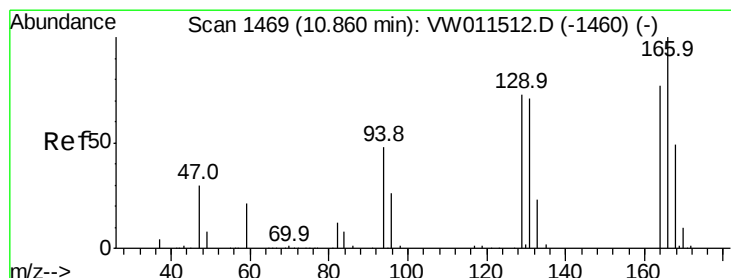
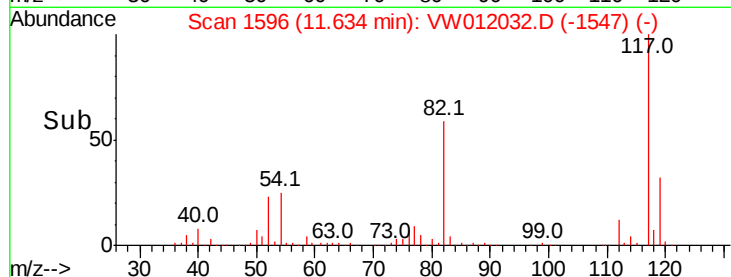
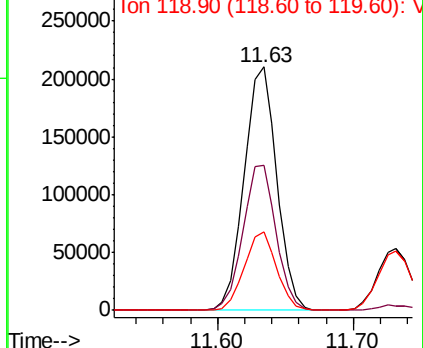
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 353879
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 32.1 26.2 39.2

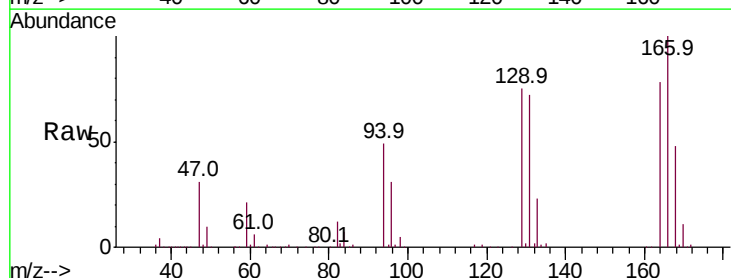


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

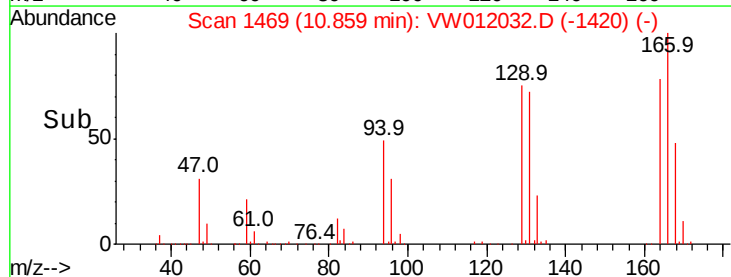
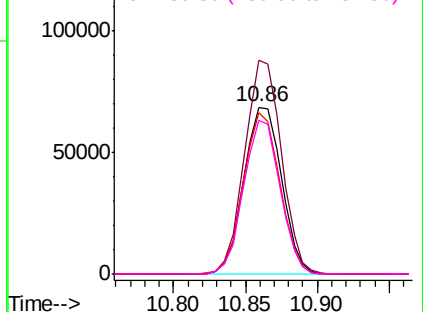


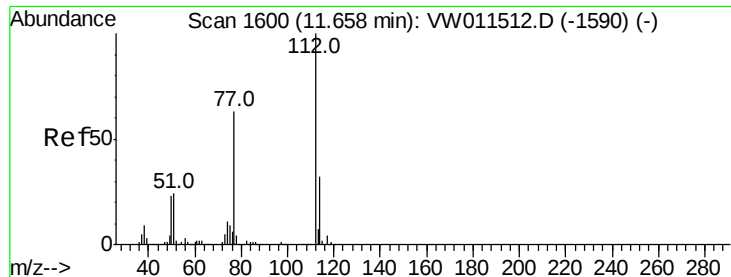
#64
Tetrachloroethene
Concen: 53.973 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:164 Resp: 124361
Ion Ratio Lower Upper
164 100
166 128.2 103.5 155.3
129 96.6 75.2 112.8
131 92.3 73.4 110.2



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

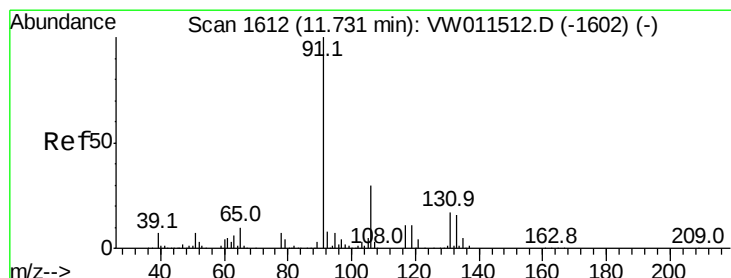
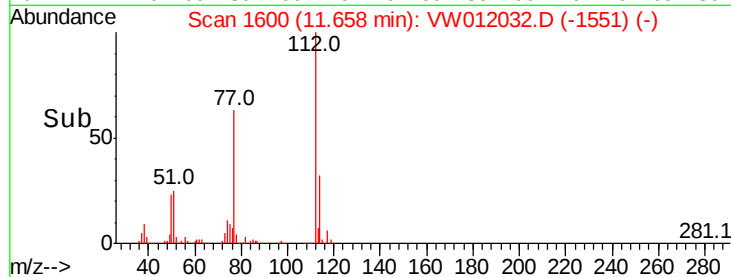
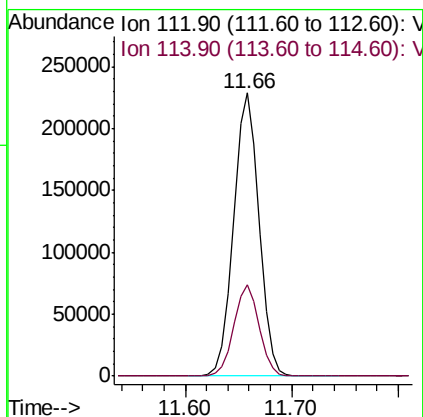
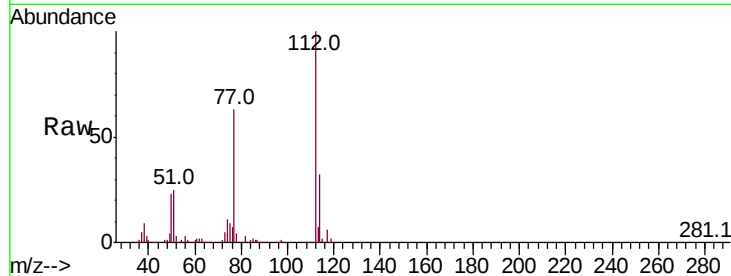




#65
Chlorobenzene
Concen: 53.706 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

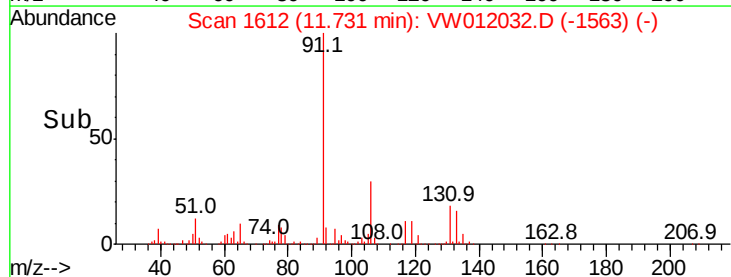
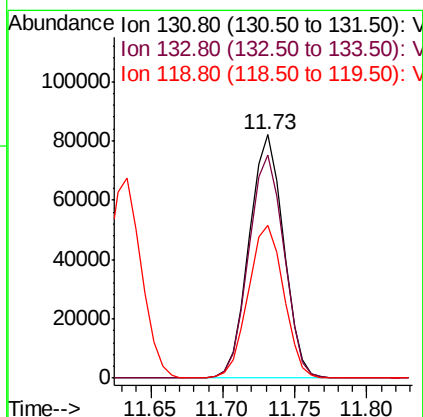
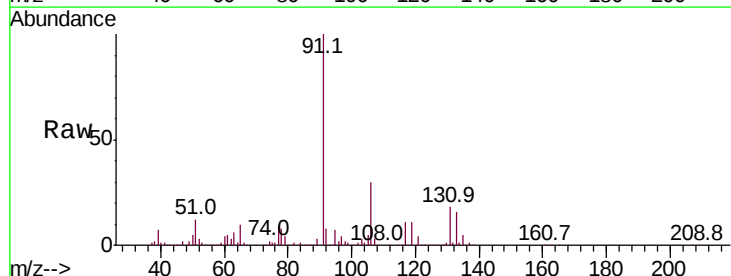
Instrument :
MSVOA_W
ClientSampled :

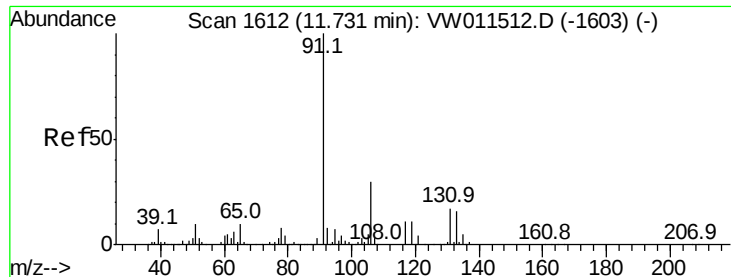
Tot Ion:112 Resp: 382100
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.786 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:131 Resp: 135771
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.2
119 64.7 32.3 96.9

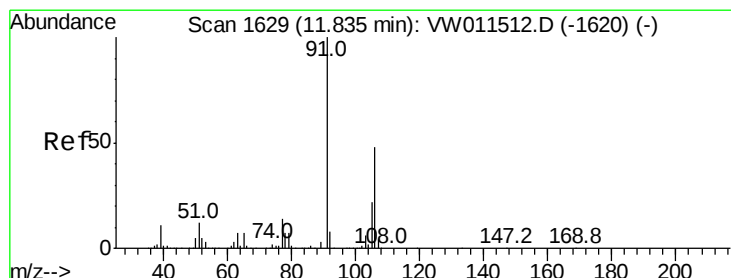
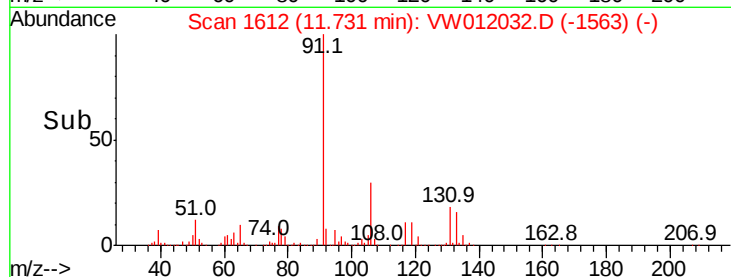
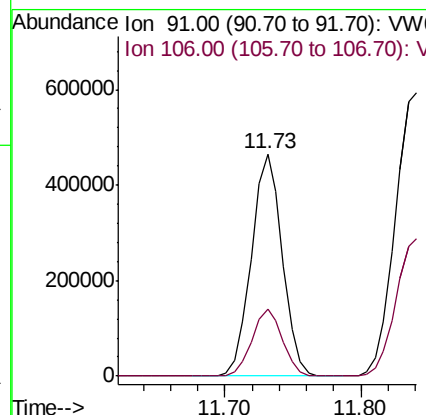
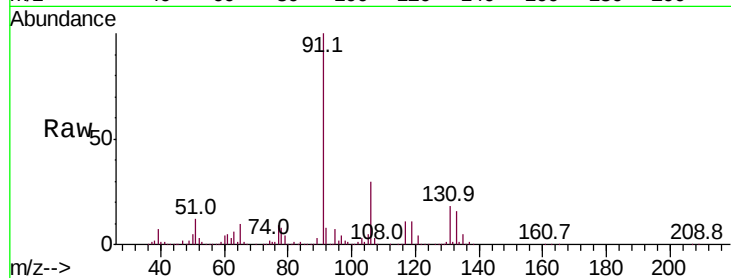




#67
Ethyl Benzene
Concen: 54.631 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

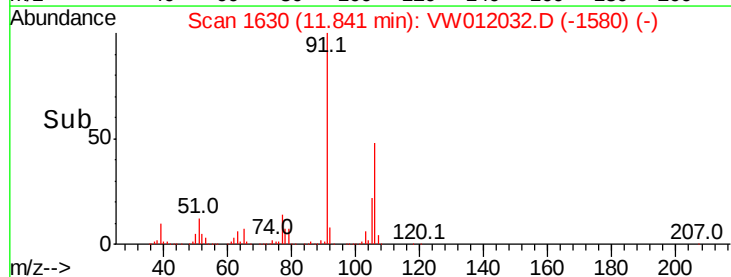
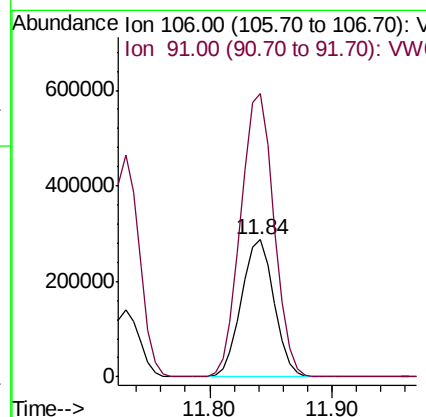
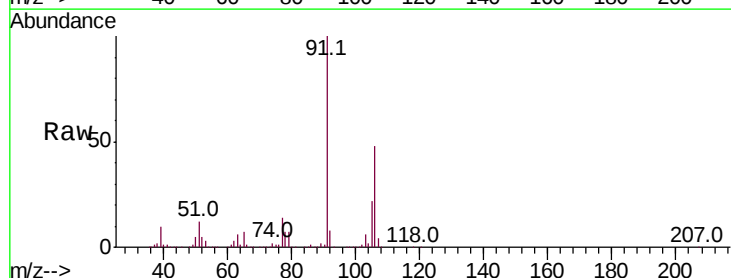
Instrument :
MSVOA_W
ClientSampleId :

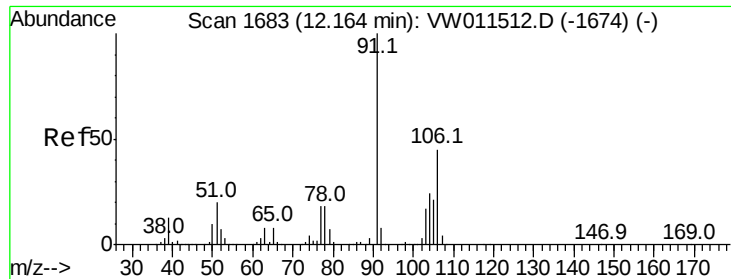
Tot Ion: 91 Resp: 740254
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 108.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 106 Resp: 533173
Ion Ratio Lower Upper
106 100
91 209.6 168.2 252.2

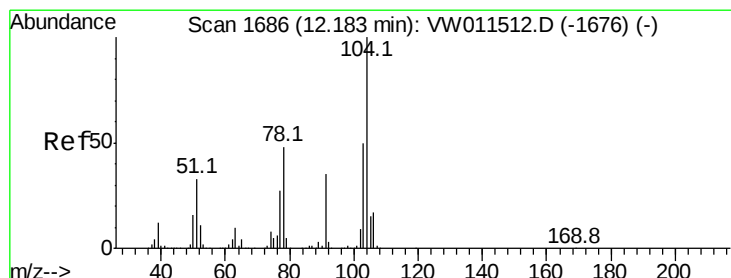
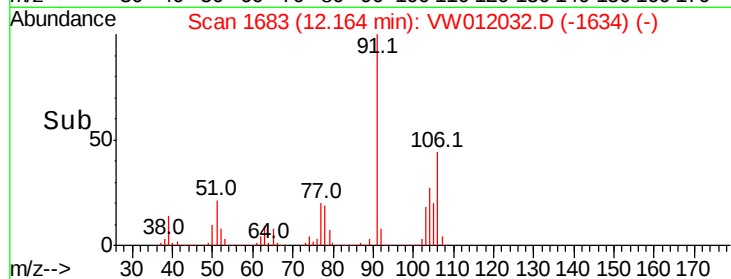
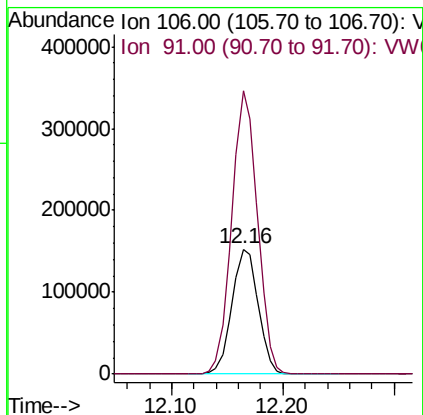
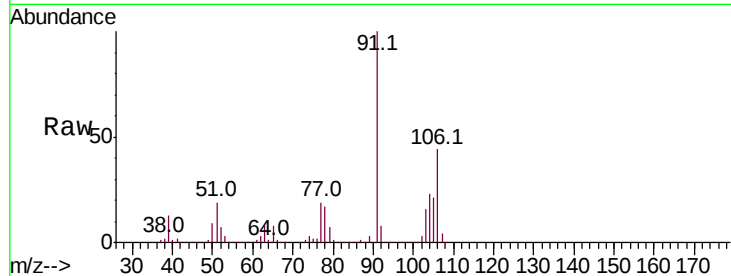




#69
o-Xylene
Concen: 54.566 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

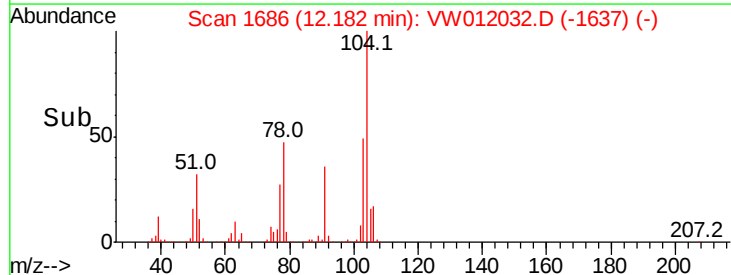
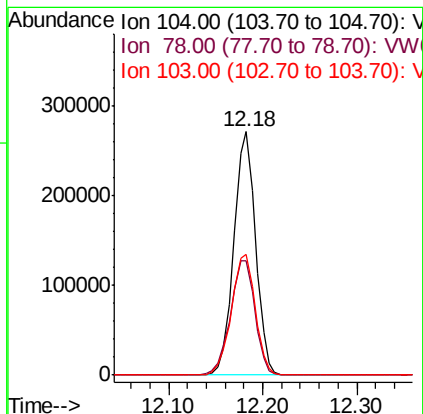
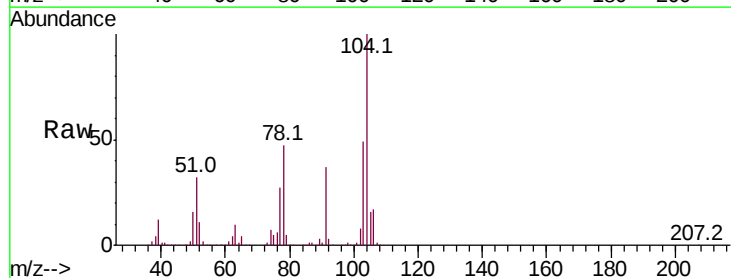
Instrument :
MSVOA_W
ClientSampled :

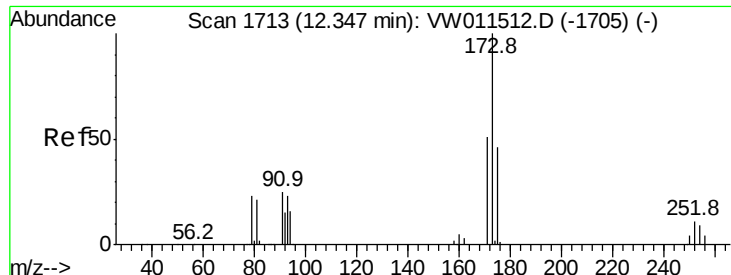
Tot Ion:106 Resp: 249868
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.5



#70
Styrene
Concen: 54.841 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:104 Resp: 434197
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 54.3 43.9 65.9

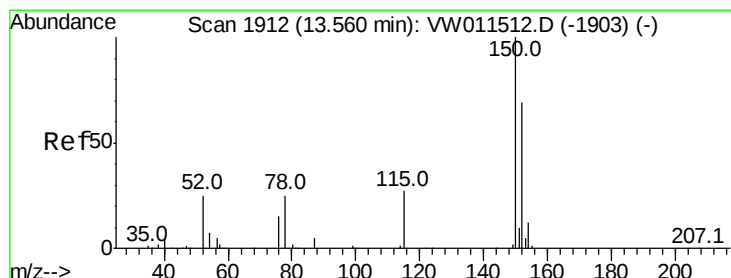
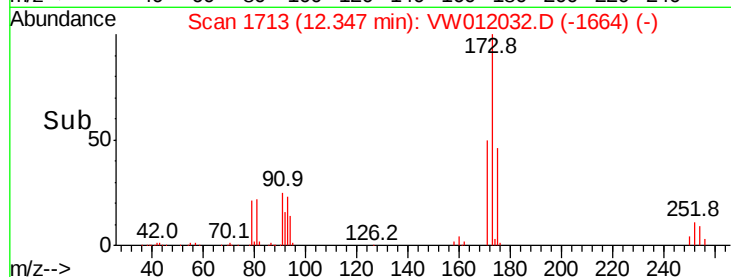
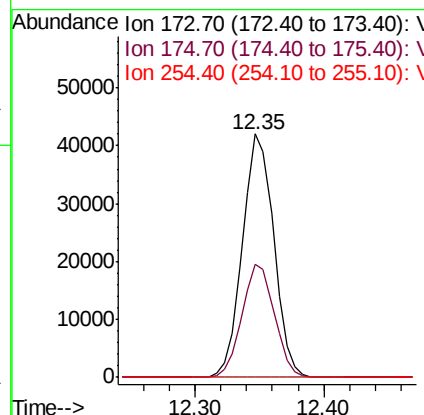
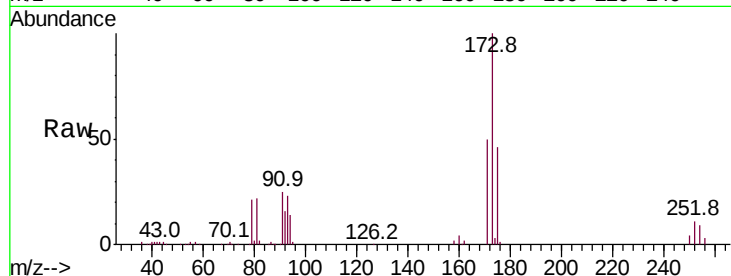




#71
Bromoform
Concen: 55.906 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

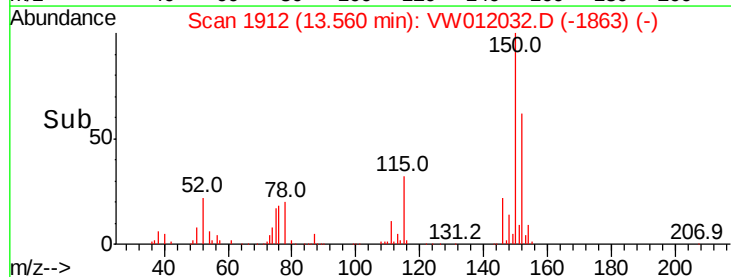
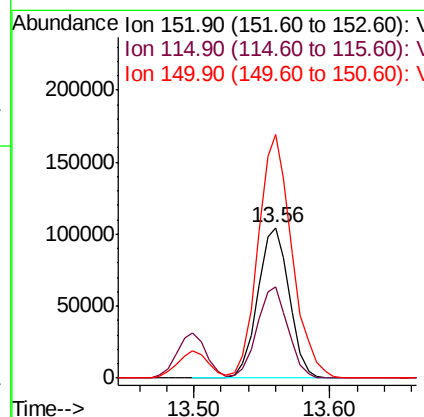
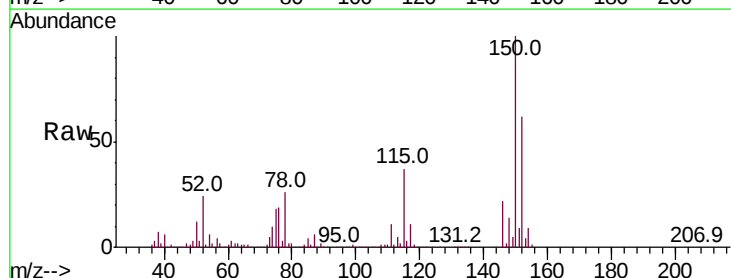
Instrument :
MSVOA_W
ClientSampled :

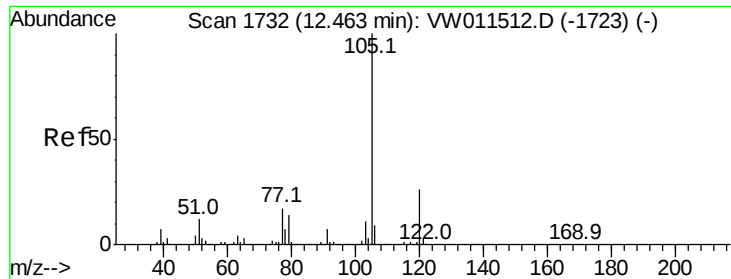
Tot Ion:173 Resp: 70639
Ion Ratio Lower Upper
173 100
175 47.9 23.6 71.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:152 Resp: 169182
Ion Ratio Lower Upper
152 100
115 59.9 30.5 91.5
150 174.0 0.0 352.6

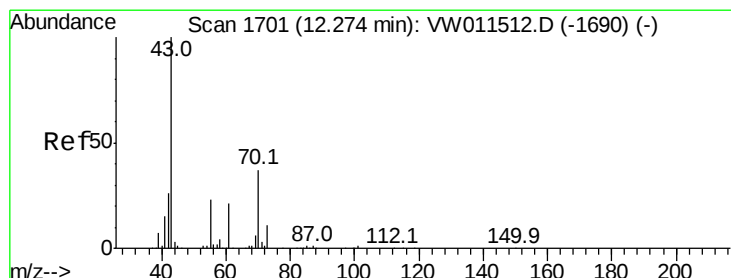
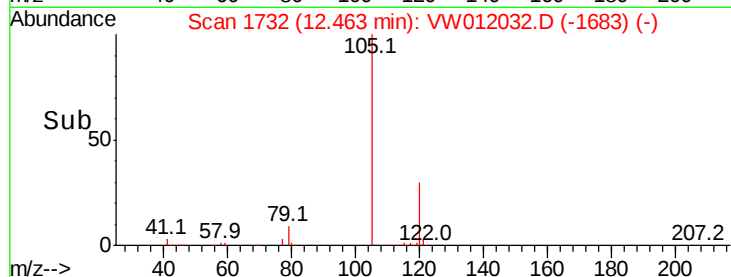
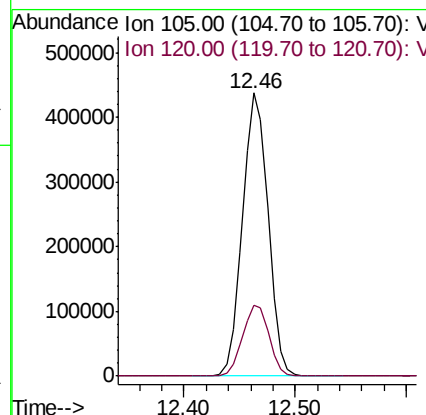
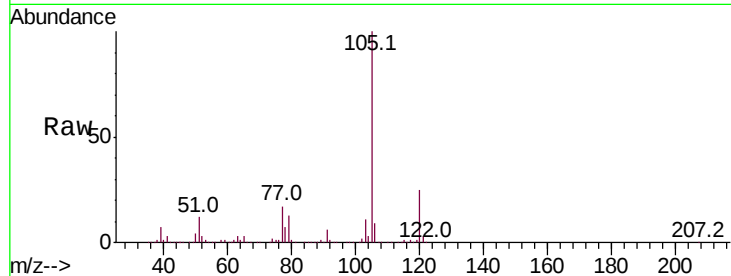




#73
Isopropylbenzene
Concen: 54.971 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

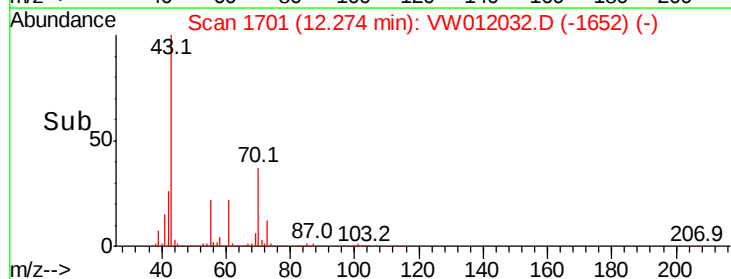
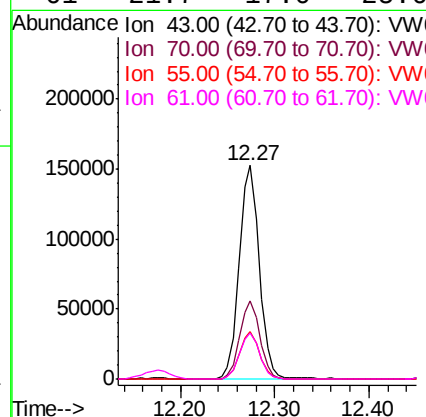
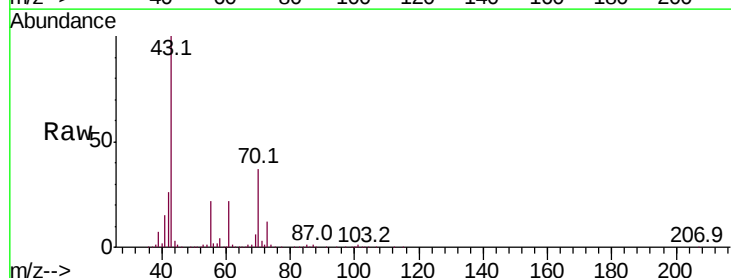
Instrument :
MSVOA_W
ClientSampleId :

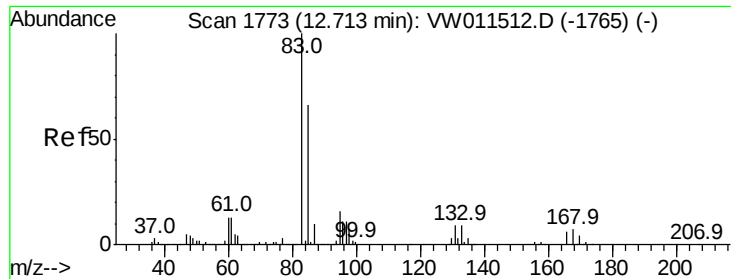
Tot Ion:105 Resp: 693808
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7



#74
N-ethyl acetate
Concen: 56.992 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 43 Resp: 225200
Ion Ratio Lower Upper
43 100
70 36.8 28.6 43.0
55 22.1 17.8 26.8
61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.336 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

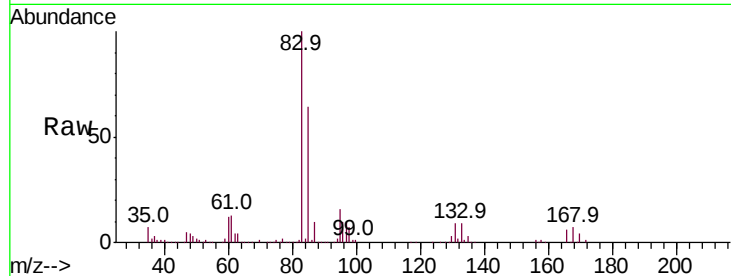
Tot Ion: 83 Resp: 131371

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

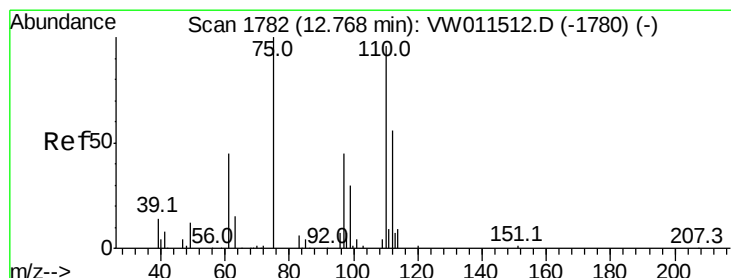
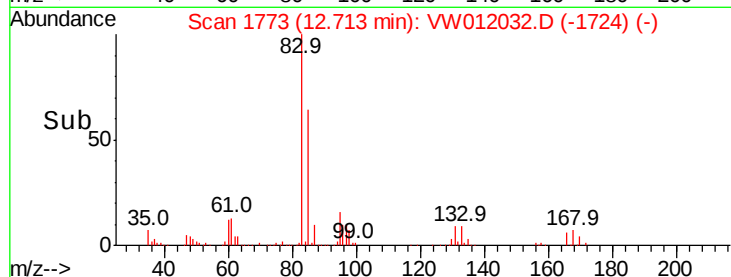
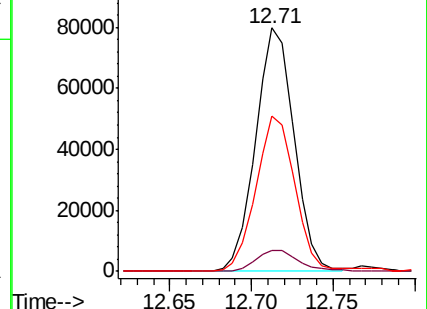
85 64.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.959 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012032.D

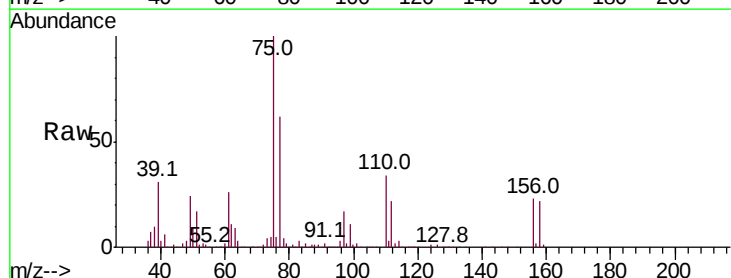
Acq: 20 Aug 2019 15:27

Tgt Ion: 75 Resp: 175361

Ion Ratio Lower Upper

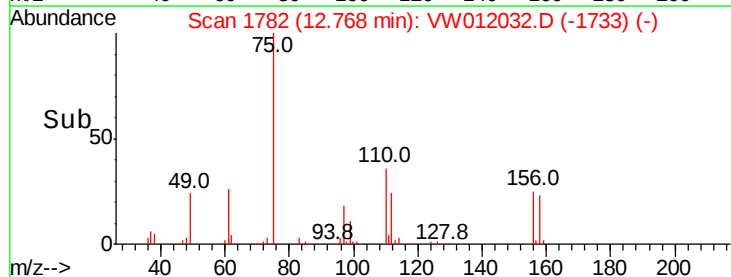
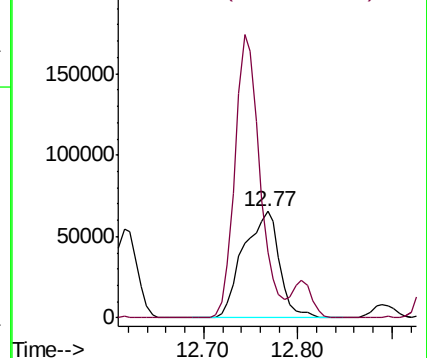
75 100

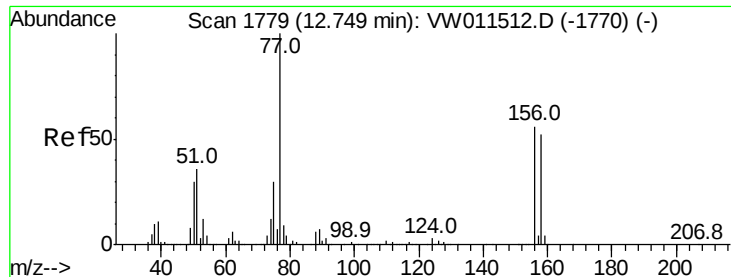
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.778 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

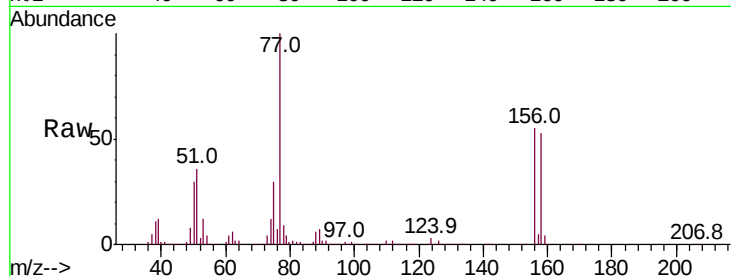
Tot Ion:156 Resp: 152815

Ion Ratio Lower Upper

156 100

77 210.7 106.5 319.4

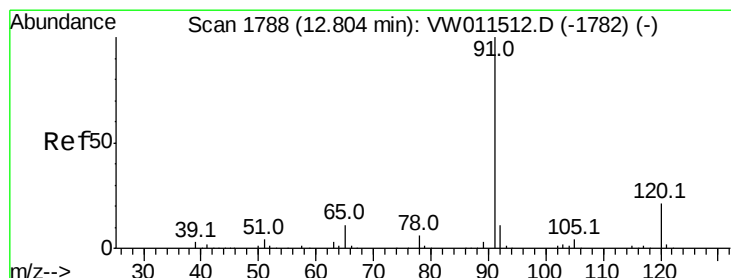
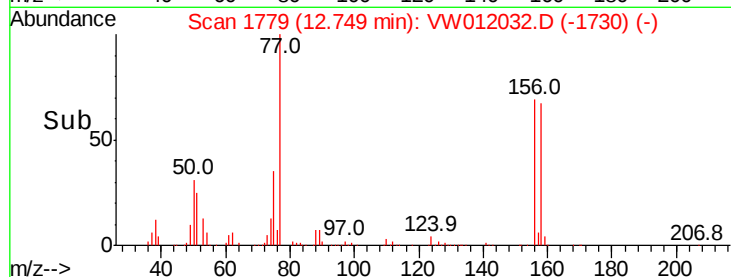
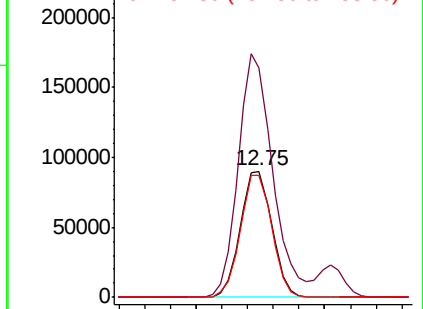
158 96.3 48.0 144.2



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: 55.045 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012032.D

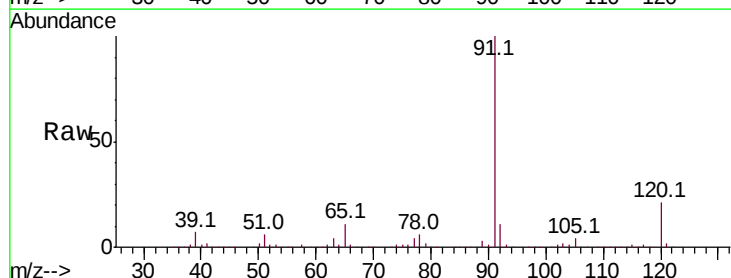
Acq: 20 Aug 2019 15:27

Tgt Ion: 91 Resp: 845508

Ion Ratio Lower Upper

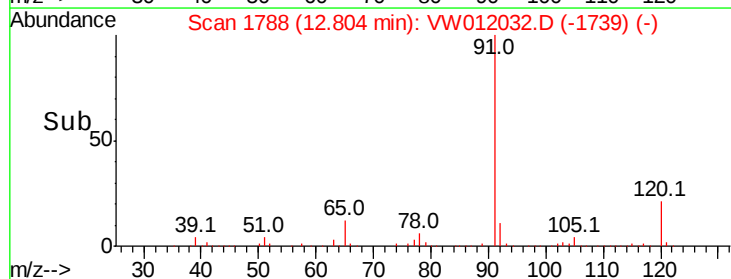
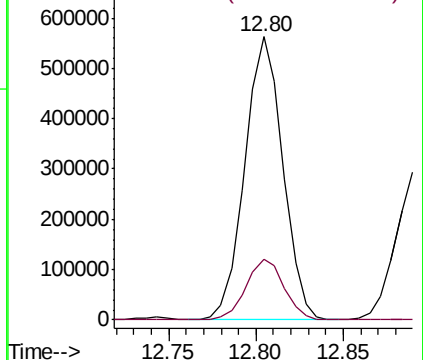
91 100

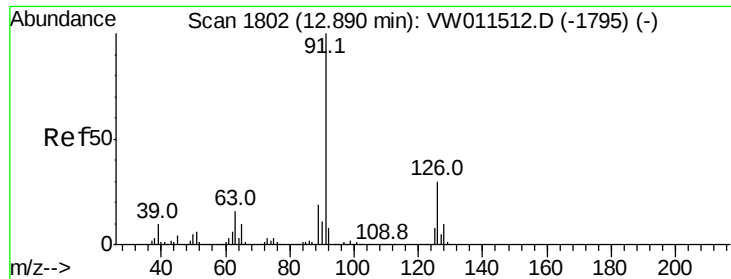
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.081 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

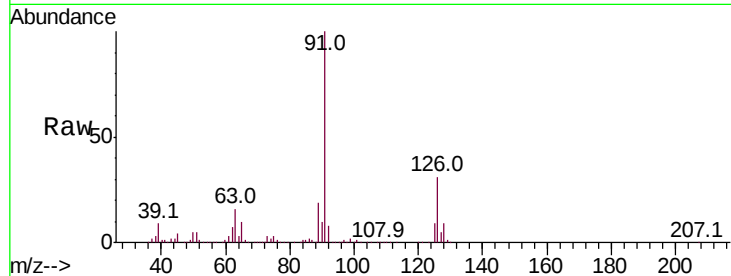
ClientSampled :

Tot Ion: 91 Resp: 478567

Ion Ratio Lower Upper

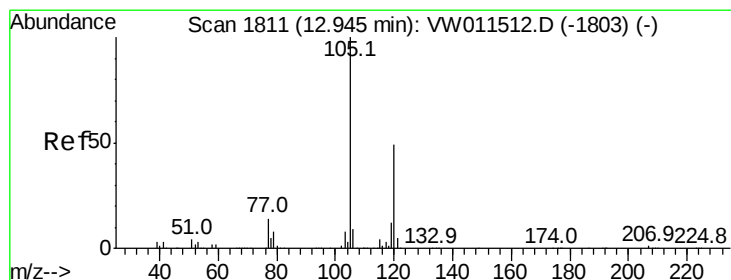
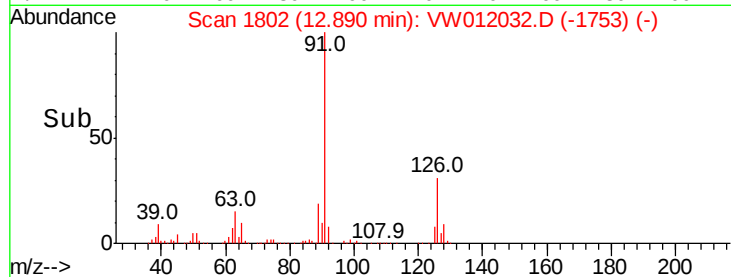
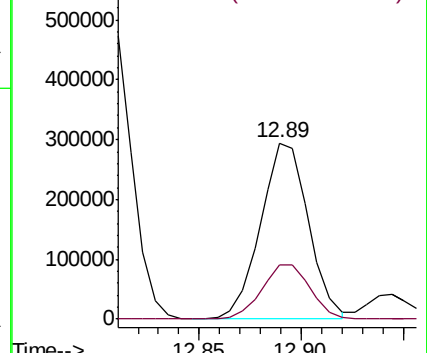
91 100

126 31.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.008 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012032.D

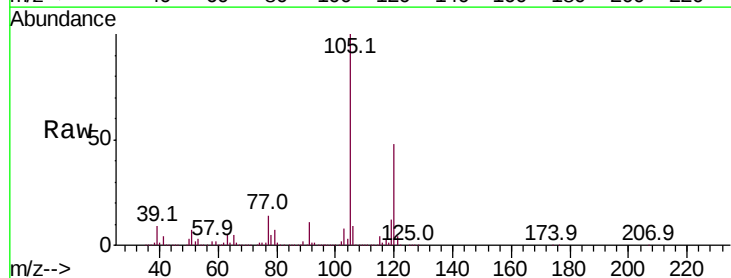
Acq: 20 Aug 2019 15:27

Tgt Ion:105 Resp: 581978

Ion Ratio Lower Upper

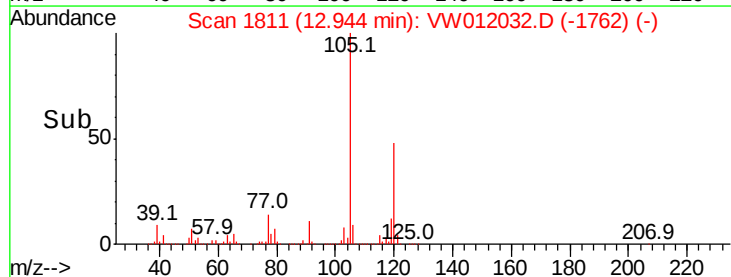
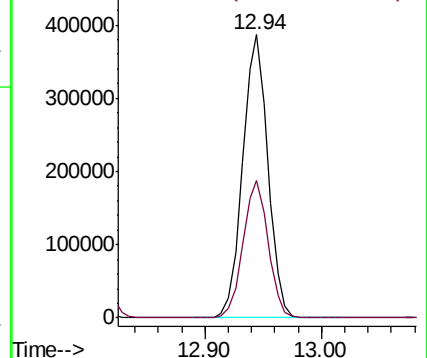
105 100

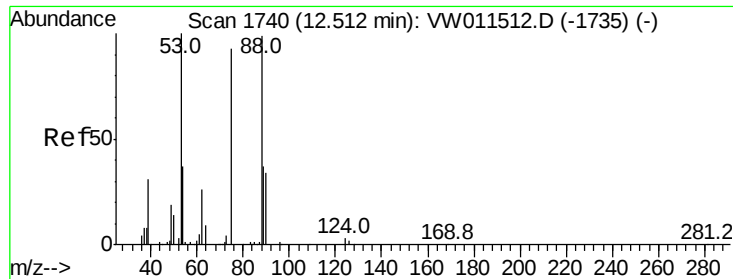
120 48.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

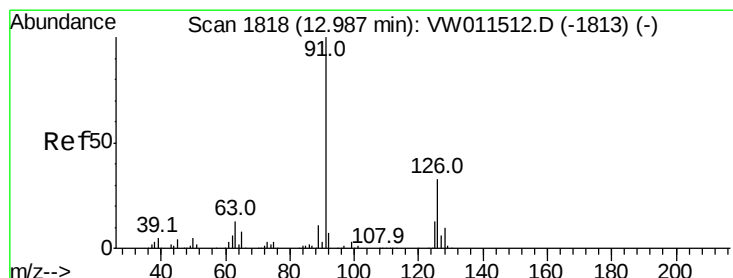
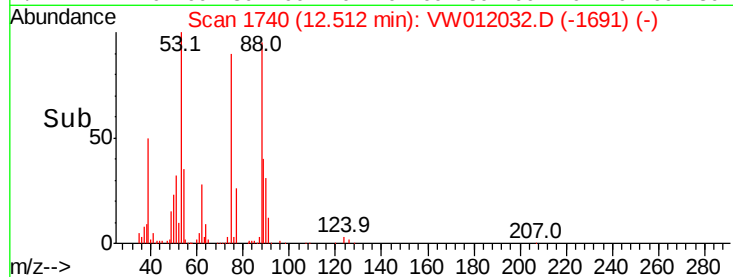
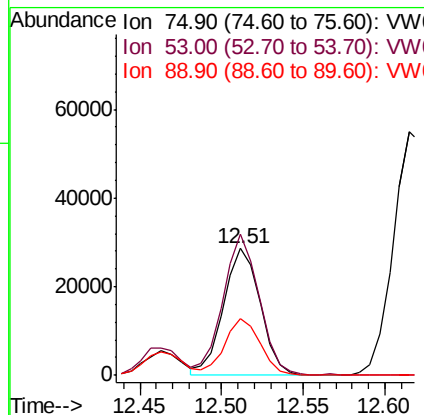
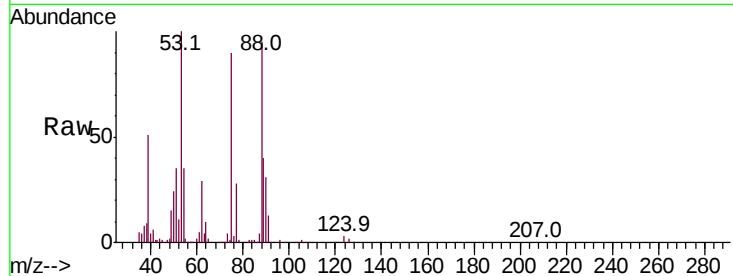




#81
trans-1,4-Dichloro-2-butene
Concen: 57.396 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

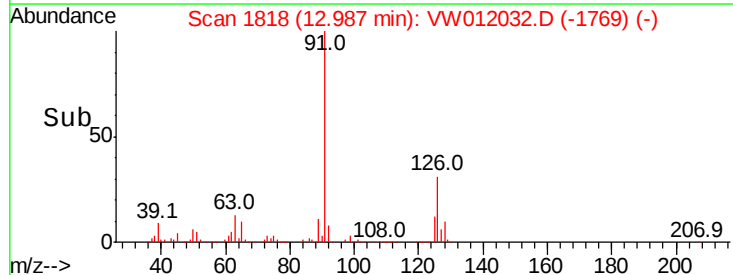
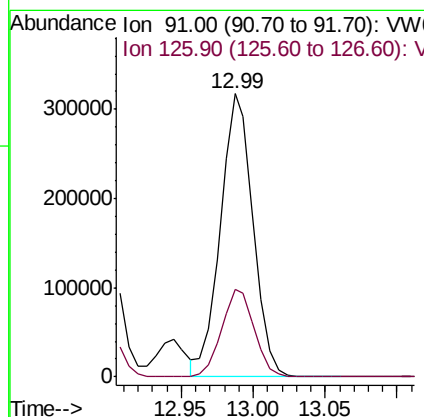
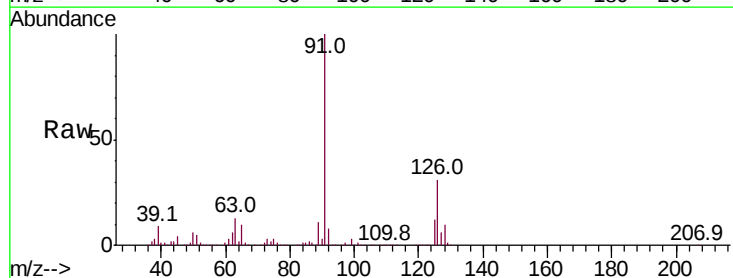
Instrument :
MSVOA_W
ClientSampleId :

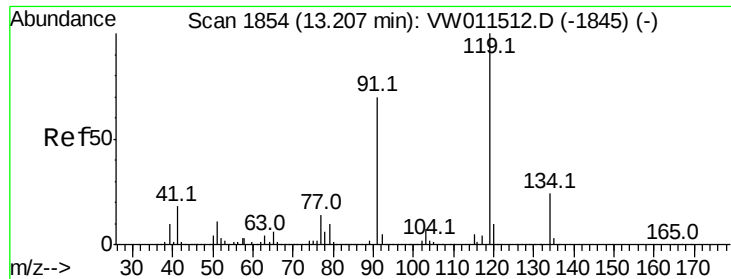
Tot Ion: 75 Resp: 44582
Ion Ratio Lower Upper
75 100
53 110.6 88.0 132.0
89 43.1 35.3 52.9



#82
4-Chlorotoluene
Concen: 53.996 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion: 91 Resp: 501331
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8

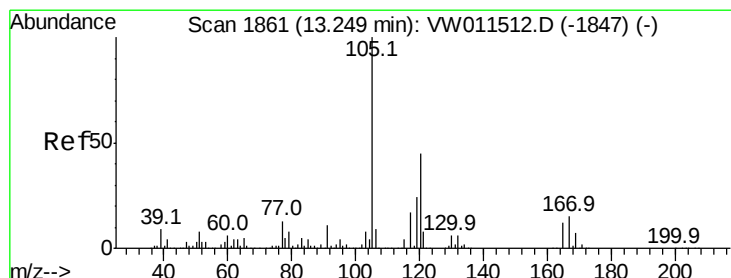
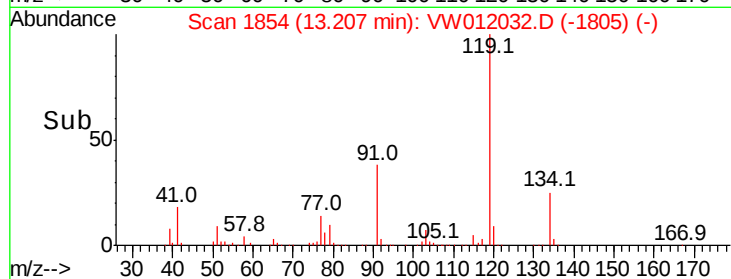
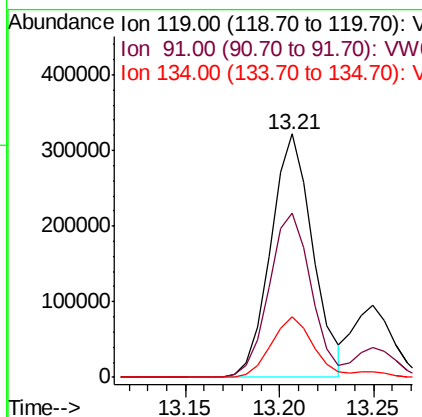
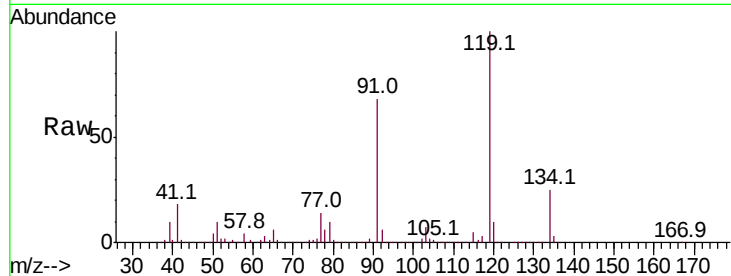




#83
tert-Butylbenzene
Concen: 56.376 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

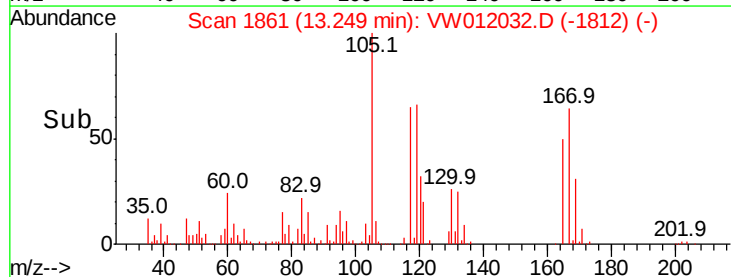
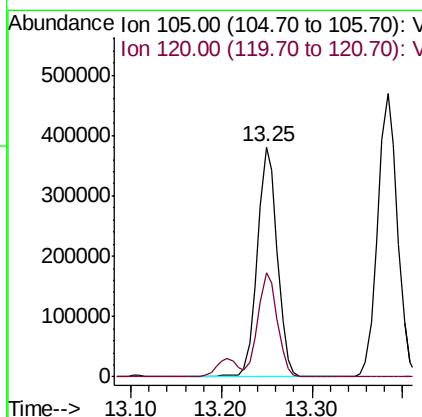
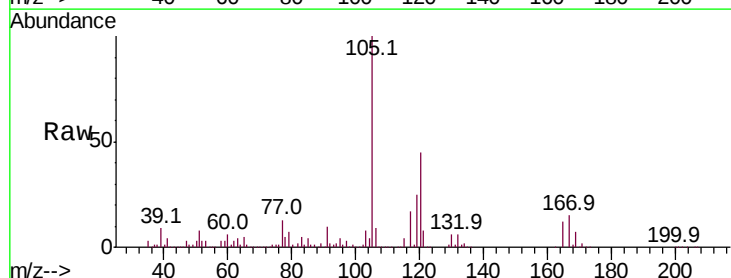
Instrument :
MSVOA_W
ClientSampleId :

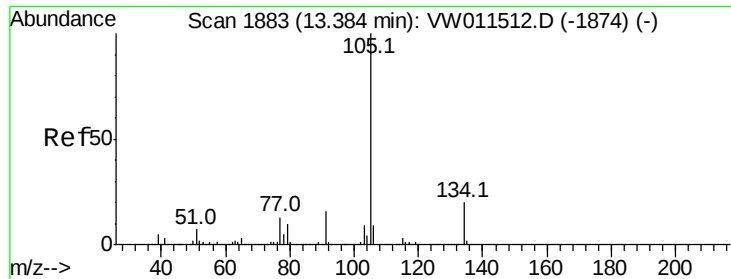
Tot Ion:119 Resp: 498779
Ion Ratio Lower Upper
119 100
91 67.6 34.5 103.6
134 25.0 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 54.272 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:105 Resp: 578417
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 55.927 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

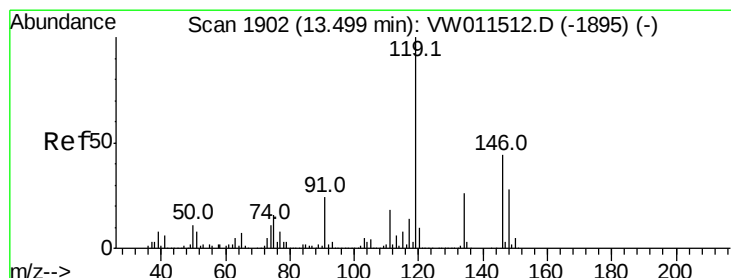
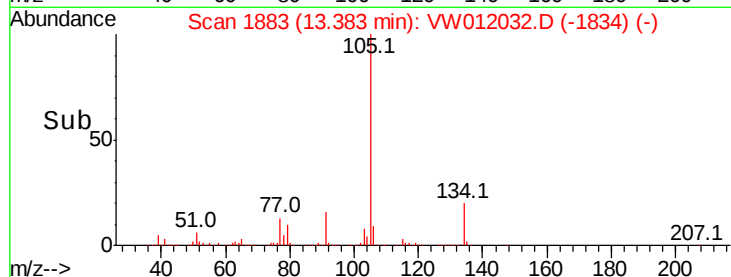
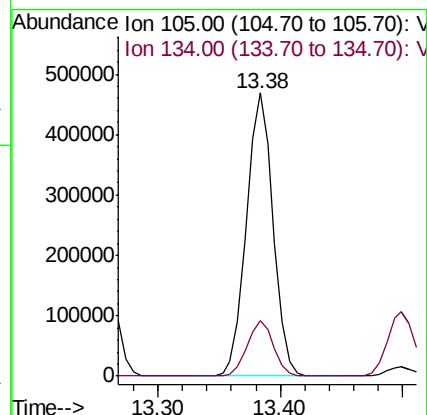
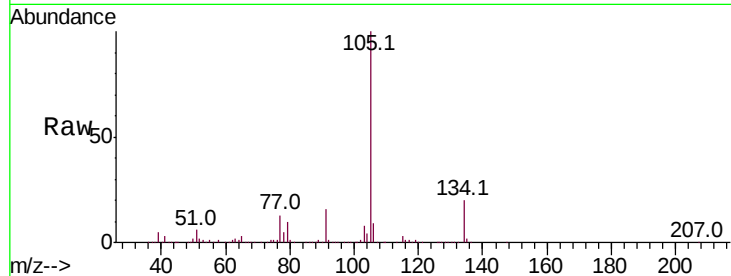
ClientSampleId :

Tot Ion:105 Resp: 706028

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 54.881 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

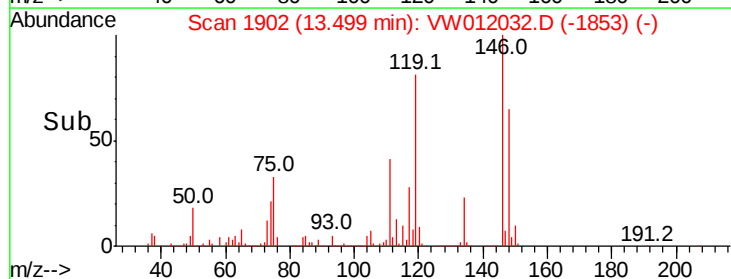
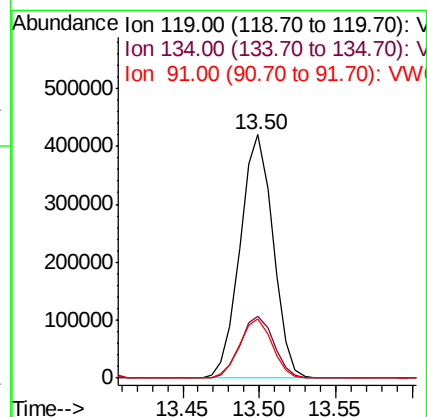
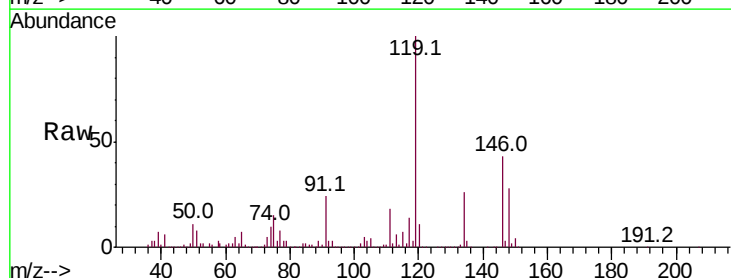
Tgt Ion:119 Resp: 628605

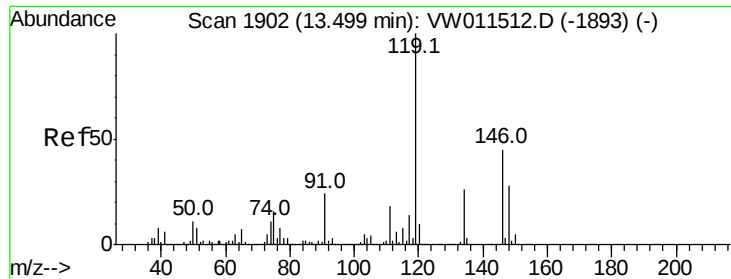
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.369 ug/l

RT: 13.50 min Scan# 1902

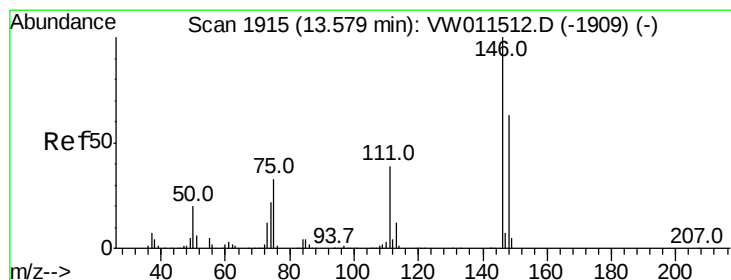
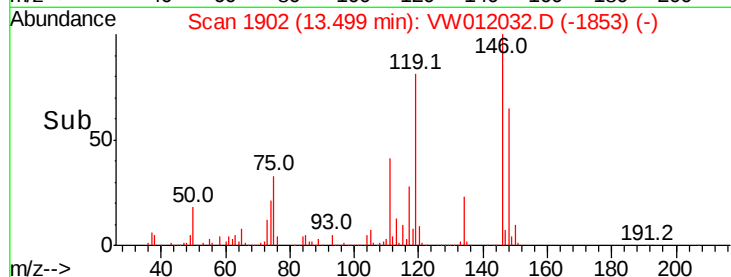
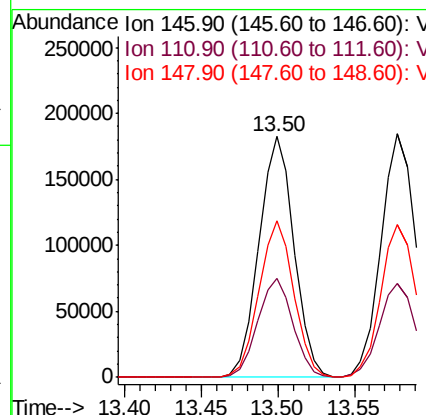
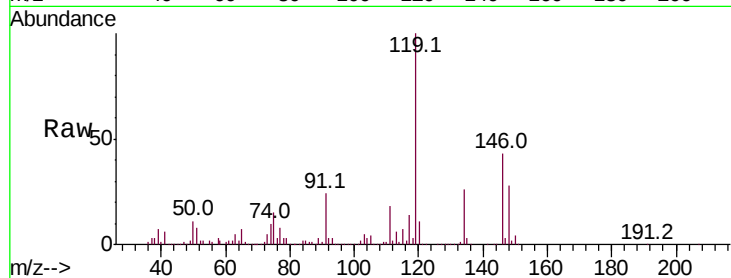
Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	64.4	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 53.452 ug/l

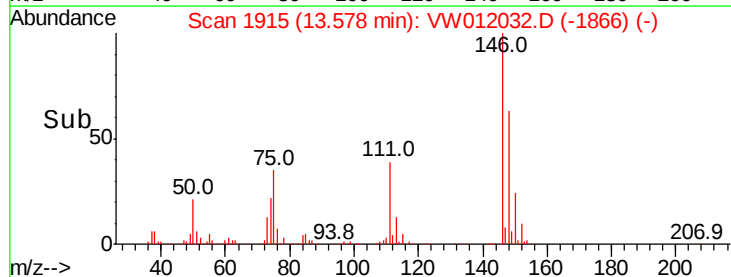
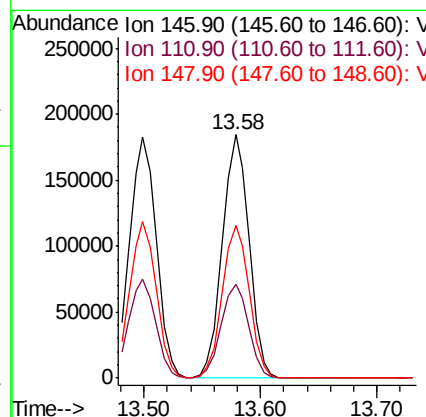
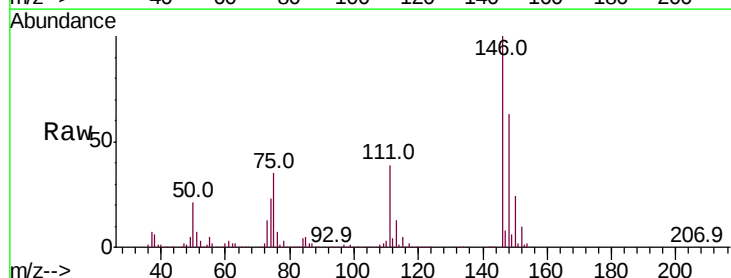
RT: 13.58 min Scan# 1915

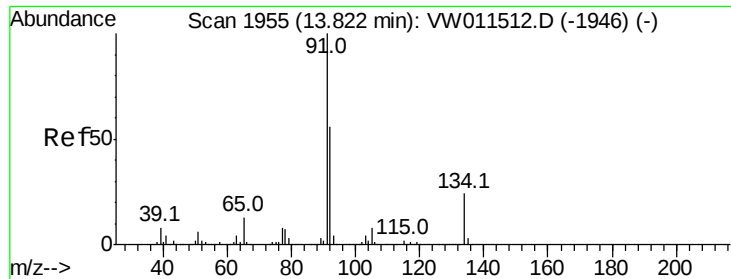
Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.5	31.9	95.9





#89

n-Butylbenzene

Concen: 55.084 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012032.D

Acq: 20 Aug 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

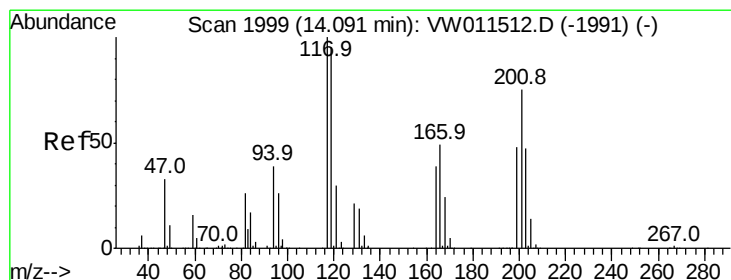
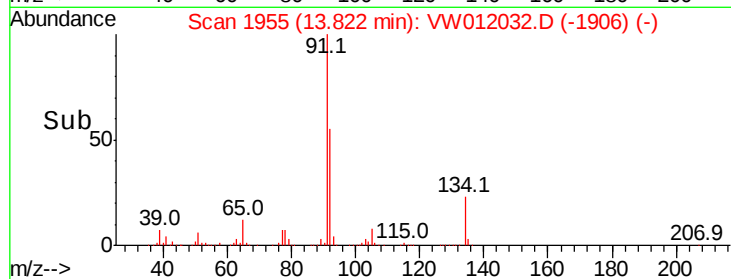
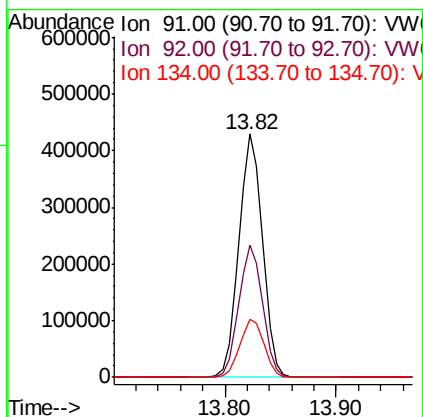
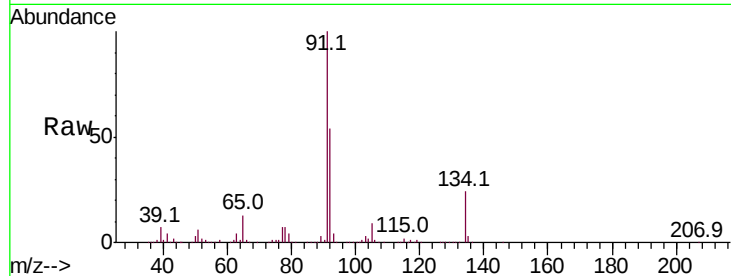
Tot Ion: 91 Resp: 629637

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	24.3	12.2	36.6

91 100

92 54.4 27.5 82.4

134 24.3 12.2 36.6



#90

Hexachloroethane

Concen: 54.288 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012032.D

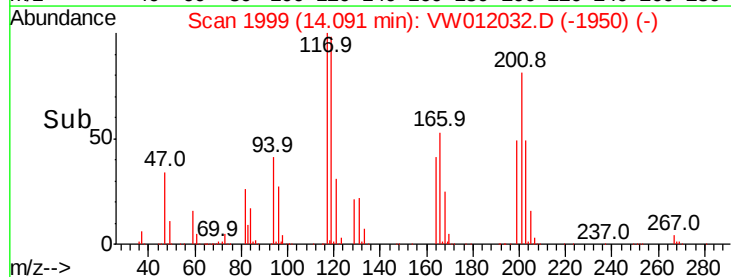
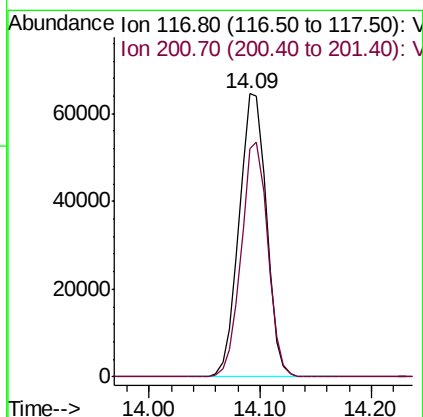
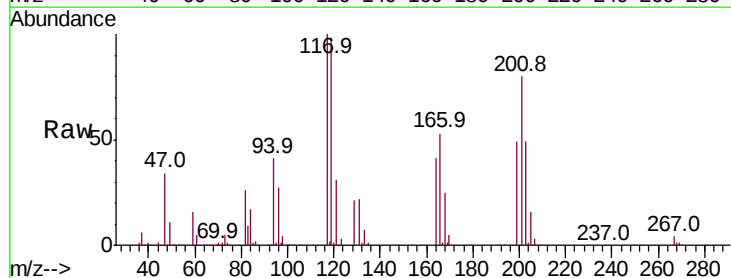
Acq: 20 Aug 2019 15:27

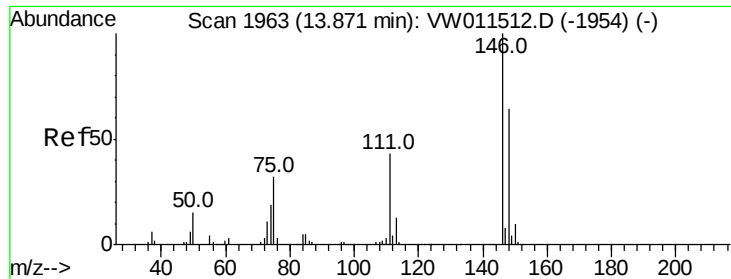
Tgt Ion: 117 Resp: 109954

Ion	Ratio	Lower	Upper
117	100		
201	80.5	39.4	118.2

117 100

201 80.5 39.4 118.2

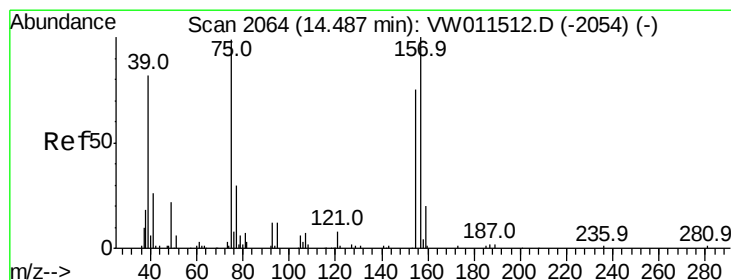
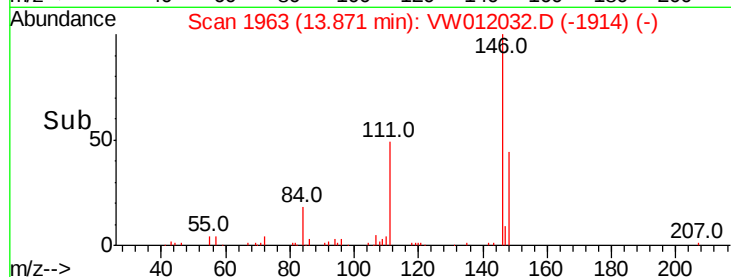
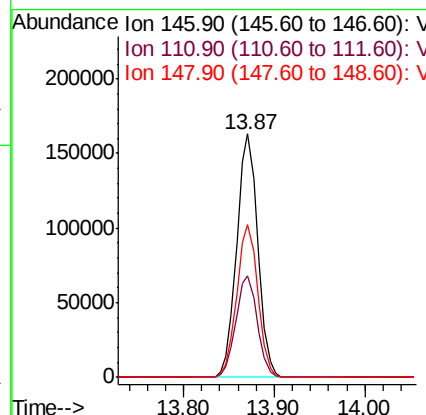
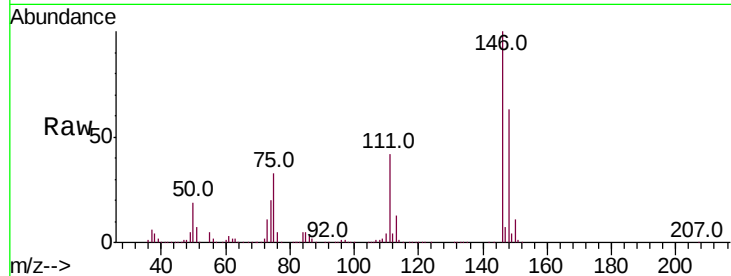




#91
 1,2-Dichlorobenzene
 Concen: 54.180 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

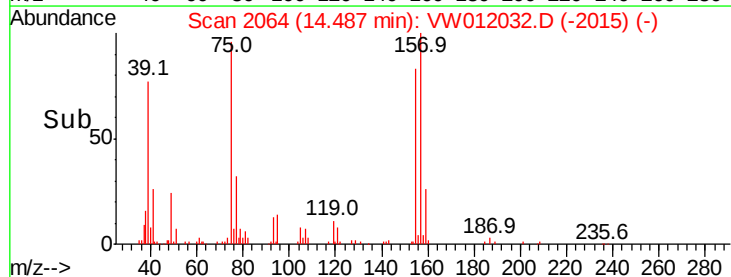
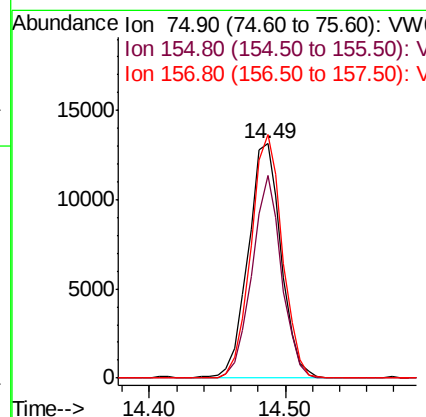
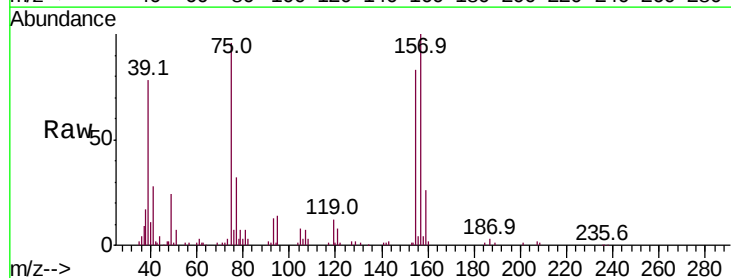
Instrument :
 MSVOA_W
 ClientSampled :

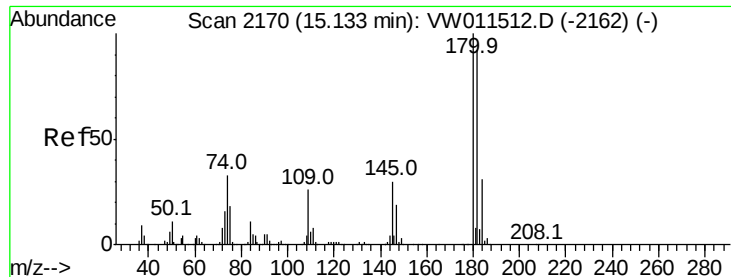
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	62.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.227 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	38.2	114.6
157	98.6	48.9	146.7

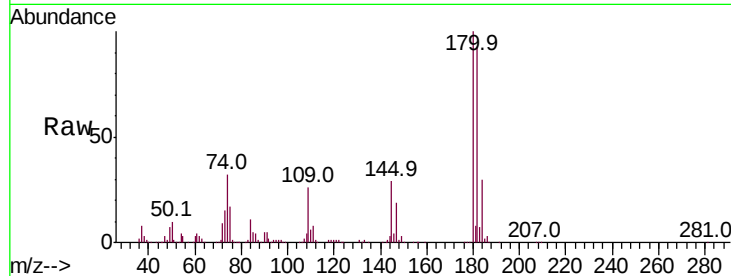




#93
 1,2,4-Trichlorobenzene
 Concen: 55.258 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	30.4	15.4	46.1

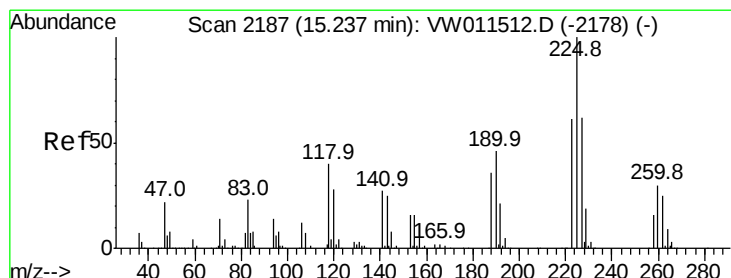
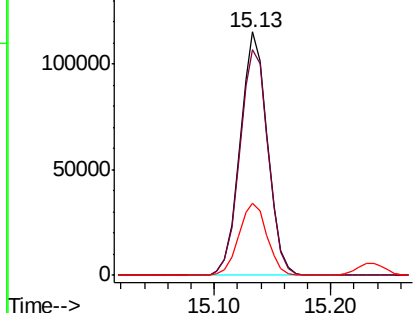
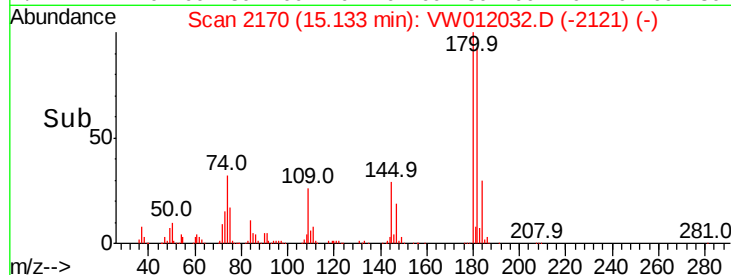


Abundance

Ion 179.80 (179.50 to 180.50): V

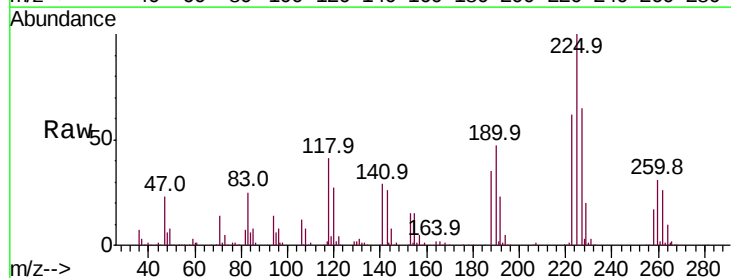
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 55.177 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012032.D
 Acq: 20 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.3
227	64.5	31.6	94.7

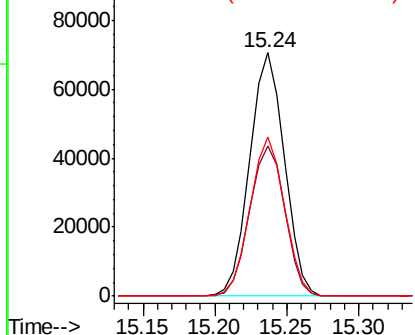
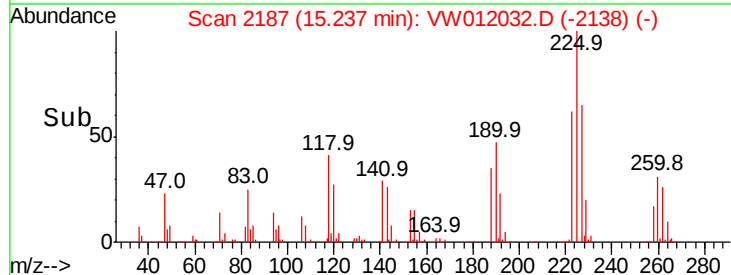


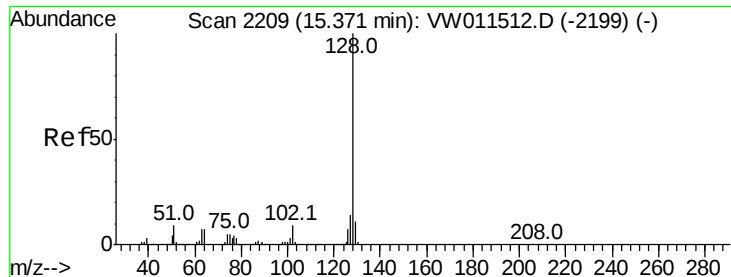
Abundance

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

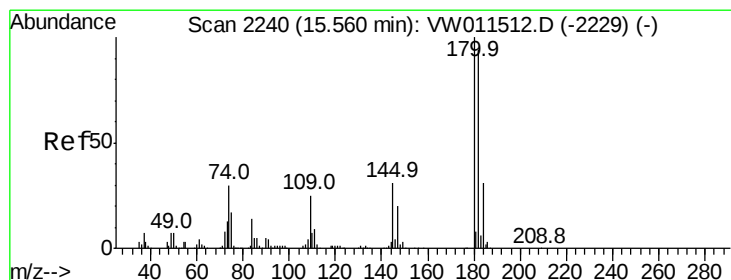
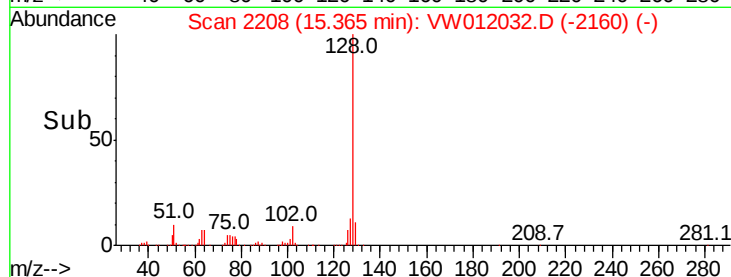
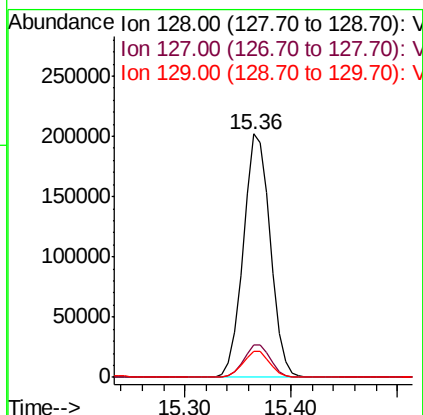
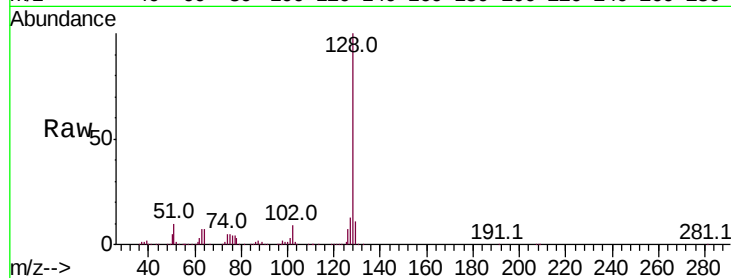




#95
Naphthalene
Concen: 53.587 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 358940
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.614 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012032.D
Acq: 20 Aug 2019 15:27

Tgt Ion:180 Resp: 166217
Ion Ratio Lower Upper
180 100
182 96.6 47.4 142.2
145 32.1 15.9 47.7

