

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011842.D
 Acq On : 12 Aug 2019 10:58
 Operator : SY/VA
 Sample : VW0812SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:44:12 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	223558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	144333	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
35) Dibromofluoromethane	7.88	113	113460	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
50) Toluene-d8	10.32	98	464525	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
62) 4-Bromofluorobenzene	12.62	95	163709	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	29398	23.595	ug/l	98
3) Chloromethane	2.21	50	45069	20.861	ug/l	100
4) Vinyl Chloride	2.36	62	57282	22.023	ug/l	100
5) Bromomethane	2.77	94	26961	18.727	ug/l	100
6) Chloroethane	2.92	64	32096	21.602	ug/l	98
7) Trichlorofluoromethane	3.25	101	31402	27.014	ug/l	98
8) Diethyl Ether	3.68	74	29211	22.163	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50216	22.773	ug/l	98
10) Methyl Iodide	4.27	142	66195	21.242	ug/l	99
11) Tert butyl alcohol	5.19	59	18670	86.917	ug/l	99
12) 1,1-Dichloroethene	4.04	96	49876	21.422	ug/l	100
13) Acrolein	3.90	56	15797	85.762	ug/l	95
14) Allyl chloride	4.67	41	106279	21.462	ug/l	98
15) Acrylonitrile	5.37	53	73349	111.486	ug/l	100
16) Acetone	4.13	43	75627	92.615	ug/l	99
17) Carbon Disulfide	4.38	76	151515	20.792	ug/l	99
18) Methyl Acetate	4.67	43	42157	22.981	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83650	22.641	ug/l	95
20) Methylene Chloride	4.92	84	57108	20.278	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	53629	21.365	ug/l	92
22) Diisopropyl ether	6.31	45	202181	21.655	ug/l	98
23) Vinyl Acetate	6.25	43	643440	109.680	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107195	21.438	ug/l	99
25) 2-Butanone	7.17	43	108118	101.185	ug/l	100
26) 2,2-Dichloropropane	7.17	77	62989	20.484	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57585	20.844	ug/l	99
28) Bromochloromethane	7.51	49	50959	22.961	ug/l	99
29) Tetrahydrofuran	7.53	42	67663	110.782	ug/l	99
30) Chloroform	7.67	83	98952	21.450	ug/l	100
31) Cyclohexane	7.95	56	105503	21.981	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	78414	22.320	ug/l	98
36) 1,1-Dichloropropene	8.08	75	83074	22.714	ug/l	99
37) Ethyl Acetate	7.25	43	47756	22.696	ug/l	97
38) Carbon Tetrachloride	8.07	117	72157	23.046	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90226	22.404	ug/l	98
40) Benzene	8.32	78	226757	22.134	ug/l	99
41) Methacrylonitrile	7.48	41	27012	21.475	ug/l	95
42) 1,2-Dichloroethane	8.40	62	73955	23.057	ug/l	99
43) Isopropyl Acetate	8.43	43	89200	23.050	ug/l	100
44) Trichloroethene	9.09	130	55274	22.449	ug/l	93
45) 1,2-Dichloropropane	9.37	63	61506	22.438	ug/l	99
46) Dibromomethane	9.46	93	27966	22.353	ug/l	100
47) Bromodichloromethane	9.65	83	72884	22.209	ug/l	99
48) Methyl methacrylate	9.44	41	42048	22.620	ug/l	96
49) 1,4-Dioxane	9.46	88	7859	433.841	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	232329	115.423	ug/l	100
52) Toluene	10.39	92	138134	22.328	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	74578	21.754	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	88994	21.833	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39854	22.452	ug/l	99
56) Ethyl methacrylate	10.65	69	58421	22.491	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76234	22.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	156262	132.494	ug/l	100
59) 2-Hexanone	10.97	43	162269	114.177	ug/l	99
60) Dibromochloromethane	11.13	129	44107	22.385	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37688	22.435	ug/l	98
64) Tetrachloroethene	10.86	164	44822	22.234	ug/l	97
65) Chlorobenzene	11.66	112	135497	21.767	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48704	22.462	ug/l	98
67) Ethyl Benzene	11.73	91	259377	21.878	ug/l	100
68) m/p-Xylenes	11.84	106	189725	44.005	ug/l	98
69) o-Xylene	12.16	106	86401	21.565	ug/l	97
70) Styrene	12.18	104	151887	21.926	ug/l	100
71) Bromoform	12.35	173	24811	22.443	ug/l #	98
73) Isopropylbenzene	12.46	105	247439	21.863	ug/l	100
74) N-amyl acetate	12.27	43	79356	22.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49314	23.165	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65375	40.727	ug/l #	100
77) Bromobenzene	12.74	156	53708	21.470	ug/l	97
78) n-propylbenzene	12.80	91	303752	22.053	ug/l	100
79) 2-Chlorotoluene	12.89	91	172273	21.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210456	22.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16244	23.322	ug/l	96
82) 4-Chlorotoluene	12.99	91	181633	21.817	ug/l	99
83) tert-Butylbenzene	13.21	119	174494	21.995	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	208366	21.803	ug/l	99
85) sec-Butylbenzene	13.38	105	250459	22.126	ug/l	100
86) p-Isopropyltoluene	13.50	119	224360	21.845	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106382	21.689	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105927	21.710	ug/l	99
89) n-Butylbenzene	13.82	91	223346	21.791	ug/l	99
90) Hexachloroethane	14.09	117	39774	21.900	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	94433	21.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8140	22.423	ug/l	96

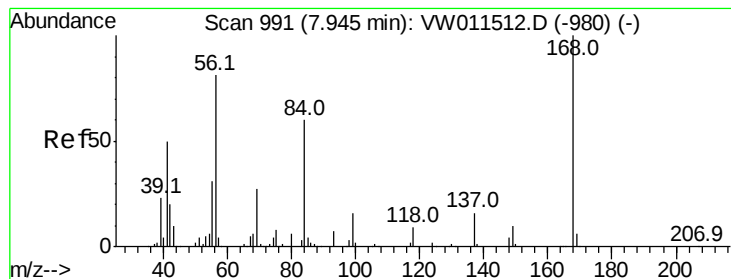
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64297	21.030	ug/l	100
94) Hexachlorobutadiene	15.24	225	42297	22.184	ug/l	99
95) Naphthalene	15.36	128	115425	20.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57429	21.429	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

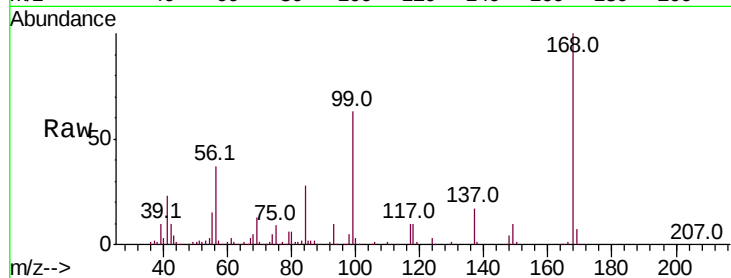
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 223558

Ion Ratio Lower Upper

168 100

99 62.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

20000

0

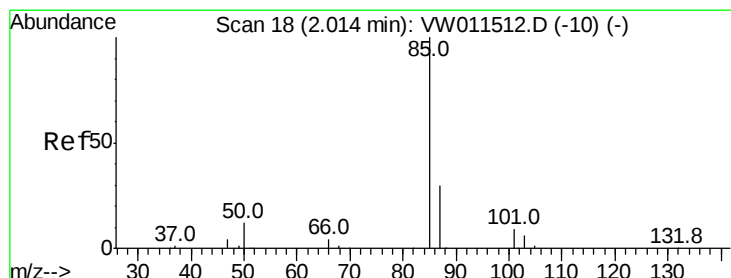
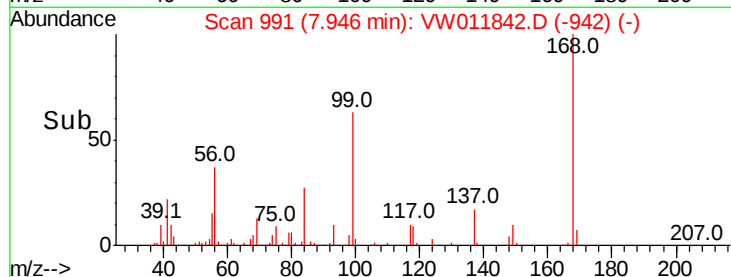
Time-->

7.80

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 23.595 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011842.D

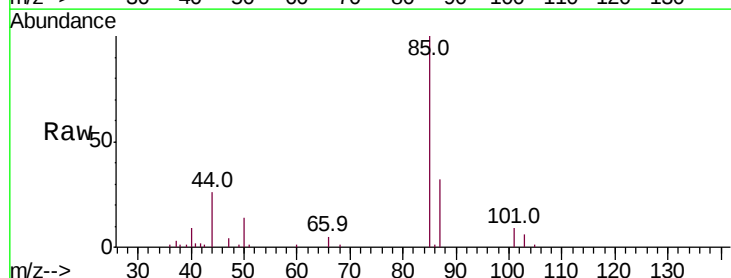
Acq: 12 Aug 2019 10:58

Tgt Ion: 85 Resp: 29398

Ion Ratio Lower Upper

85 100

87 31.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

4000

2000

0

Time-->

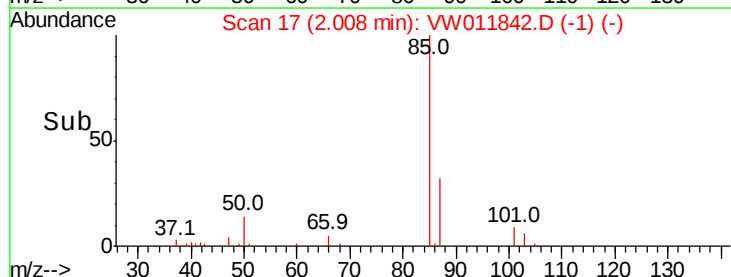
1.90

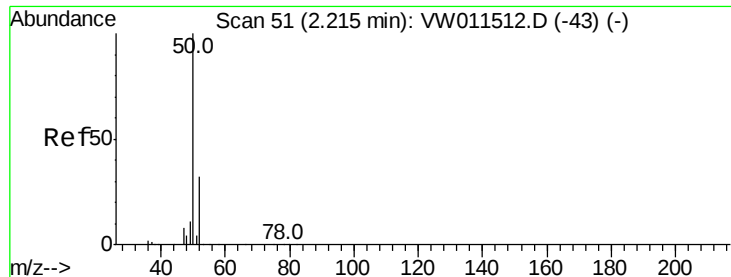
2.00

2.10

2.20

2.30





#3

Chloromethane

Concen: 20.861 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

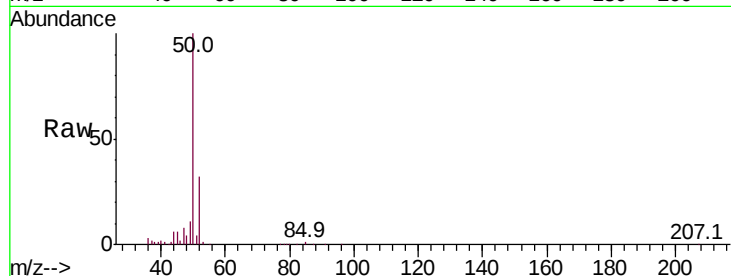
ClientSampleId :

Tot Ion: 50 Resp: 45069

Ion Ratio Lower Upper

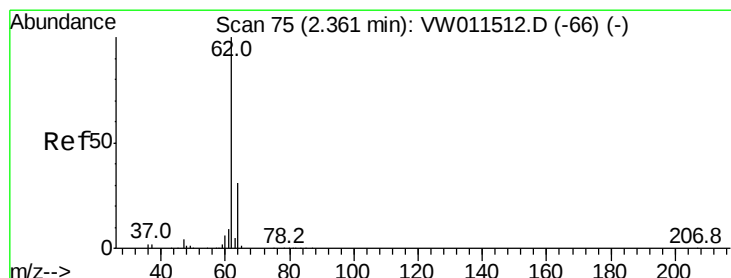
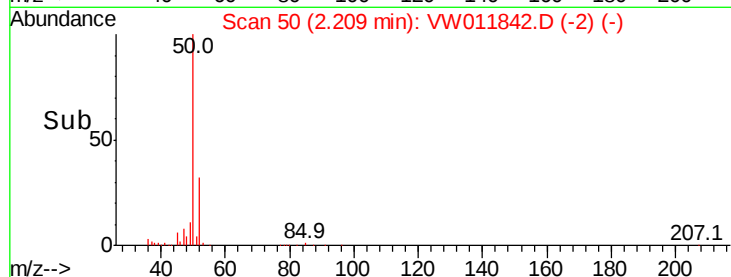
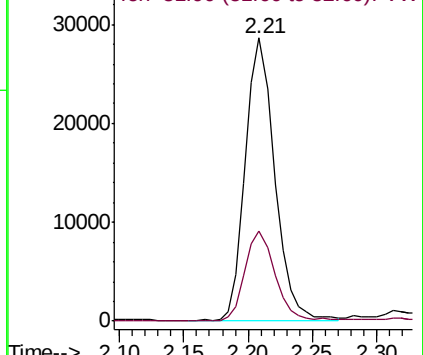
50 100

52 31.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 22.023 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011842.D

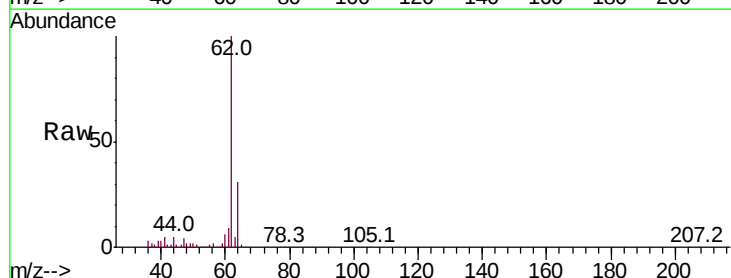
Acq: 12 Aug 2019 10:58

Tgt Ion: 62 Resp: 57282

Ion Ratio Lower Upper

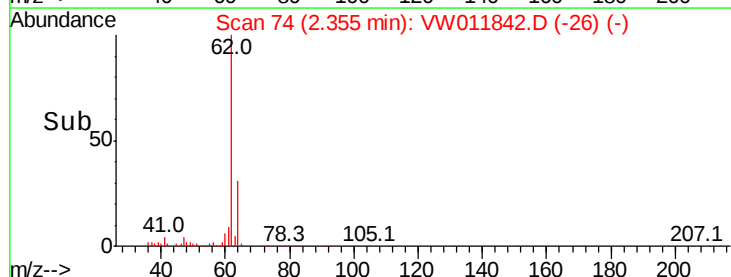
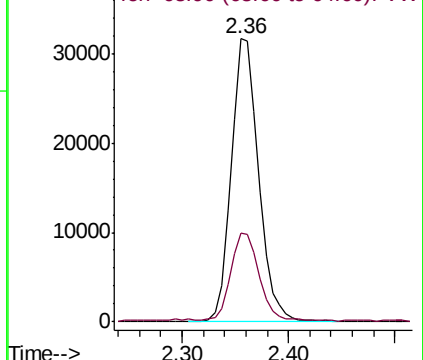
62 100

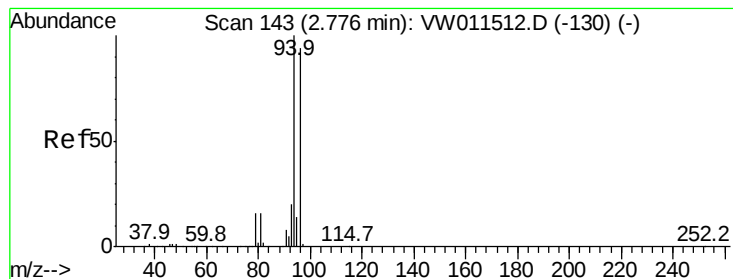
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.727 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

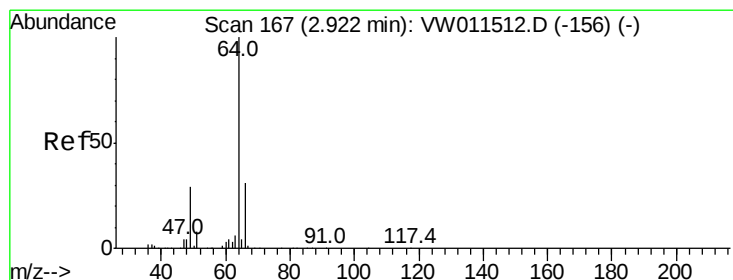
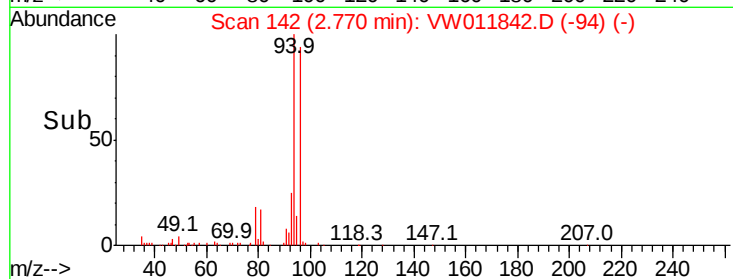
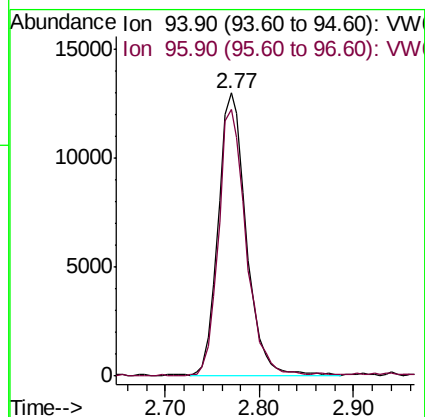
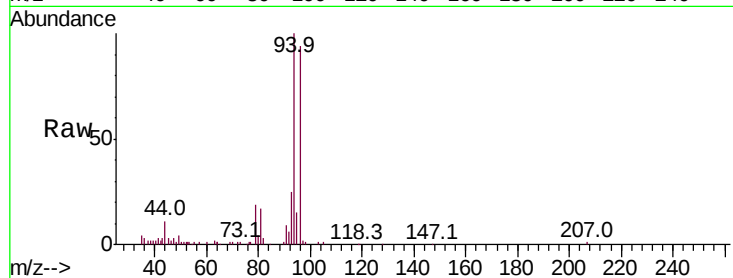
ClientSampled :

Tot Ion: 94 Resp: 26961

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.6



#6

Chloroethane

Concen: 21.602 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011842.D

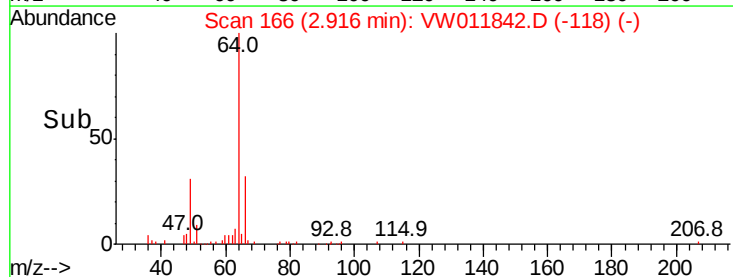
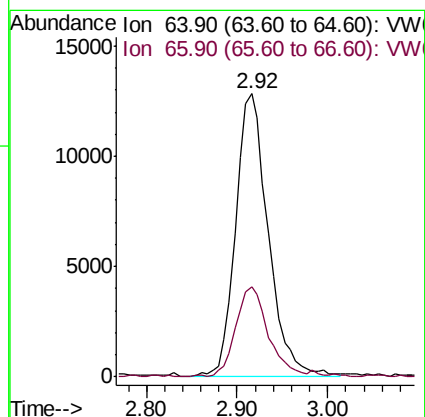
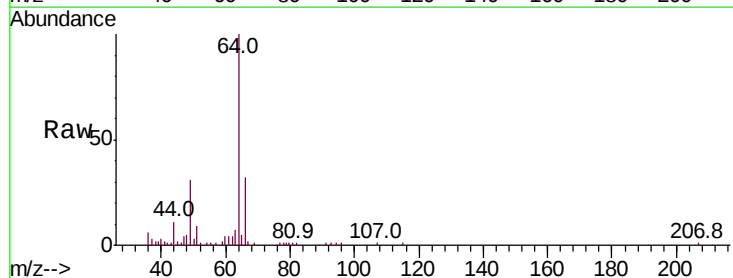
Acq: 12 Aug 2019 10:58

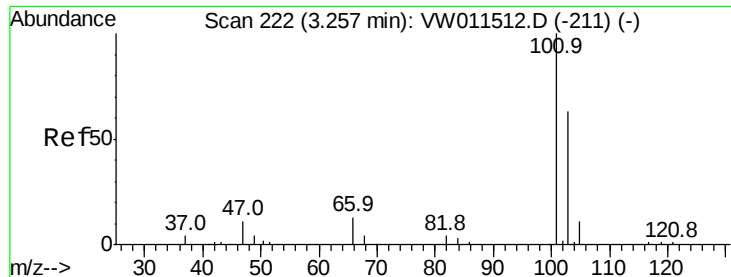
Tgt Ion: 64 Resp: 32096

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



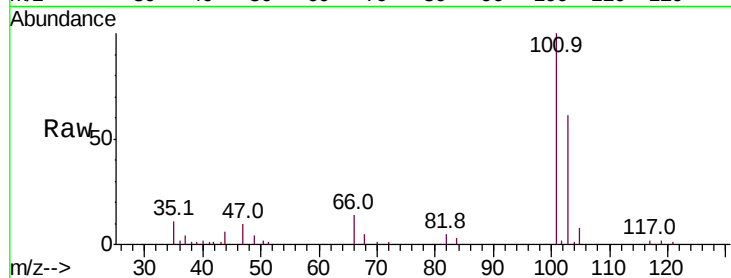


#7

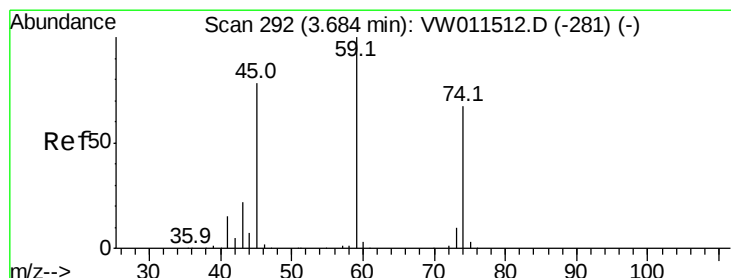
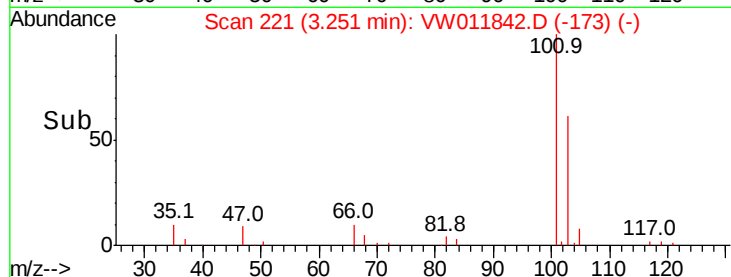
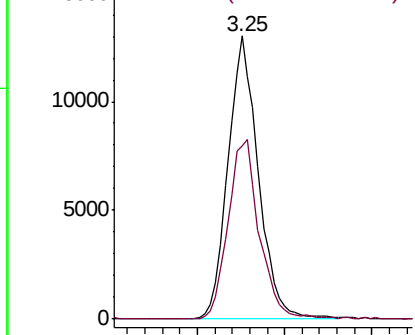
Trichlorofluoromethane
Concen: 27.014 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 31402
Ion Ratio Lower Upper
101 100
103 61.1 50.2 75.4



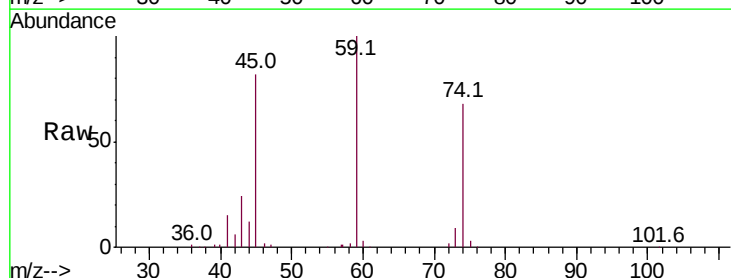
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



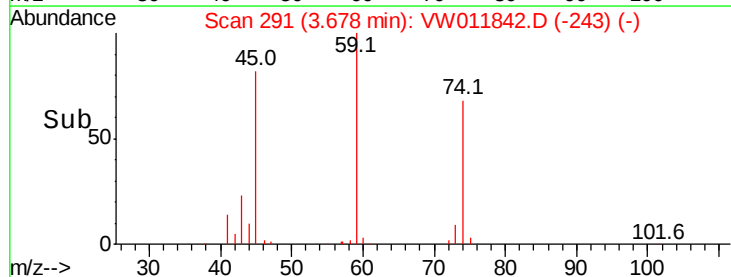
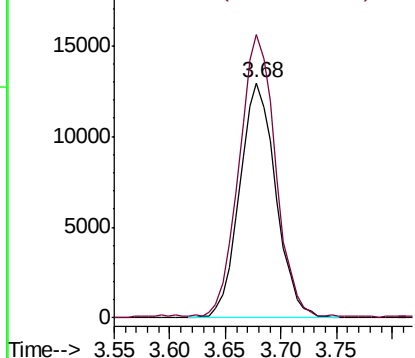
#8

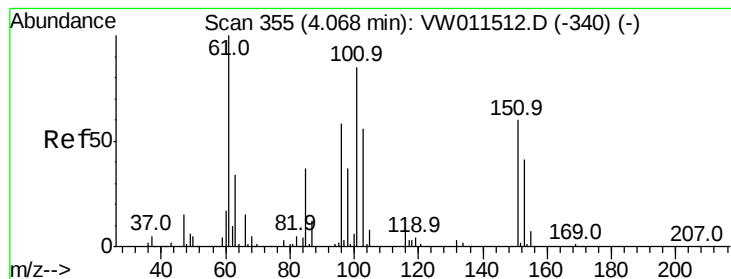
Diethyl Ether
Concen: 22.163 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 74 Resp: 29211
Ion Ratio Lower Upper
74 100
45 120.8 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.773 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

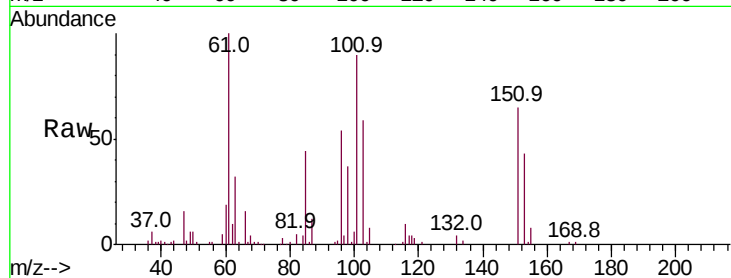
Tot Ion:101 Resp: 50216

Ion Ratio Lower Upper

101 100

85 45.6 36.6 54.8

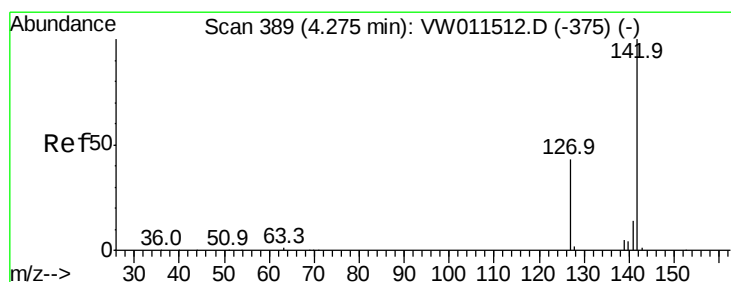
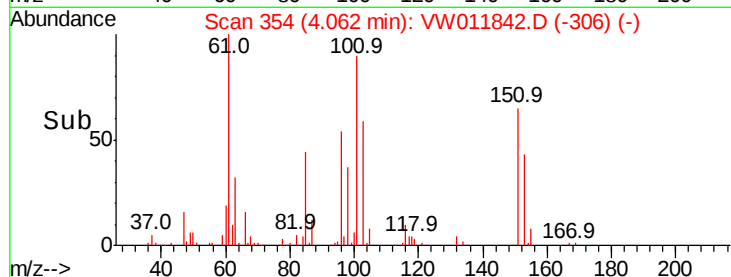
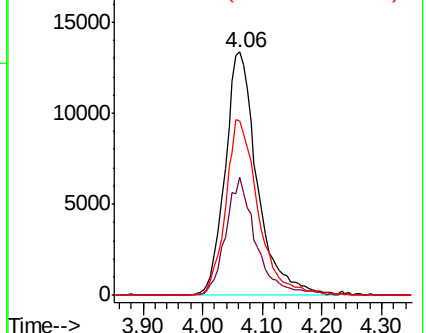
151 73.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.242 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

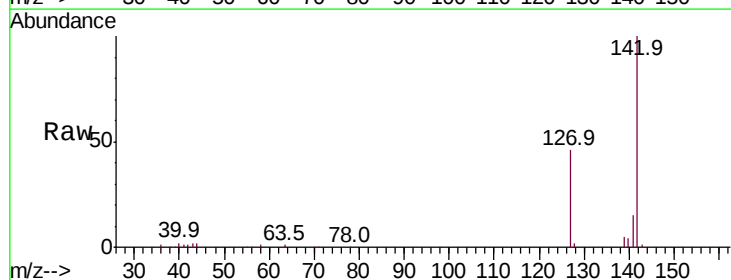
Tgt Ion:142 Resp: 66195

Ion Ratio Lower Upper

142 100

127 44.3 35.0 52.6

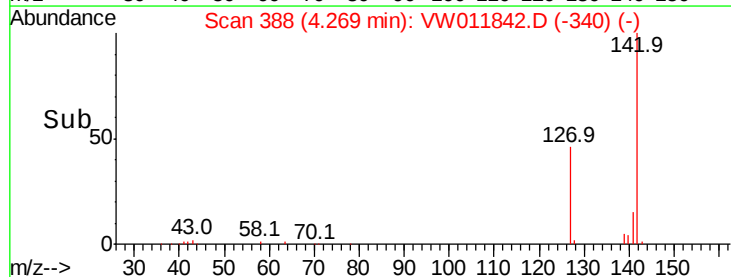
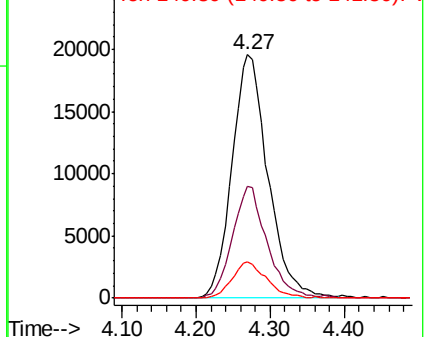
141 14.3 11.9 17.9

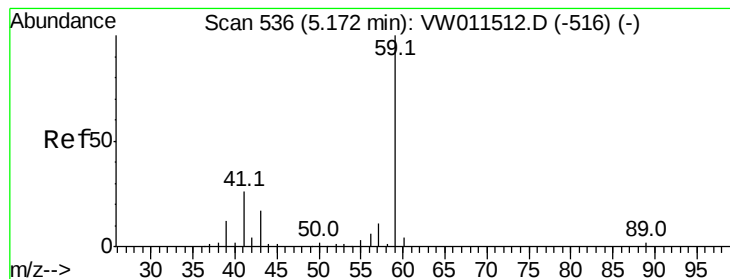


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.917 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

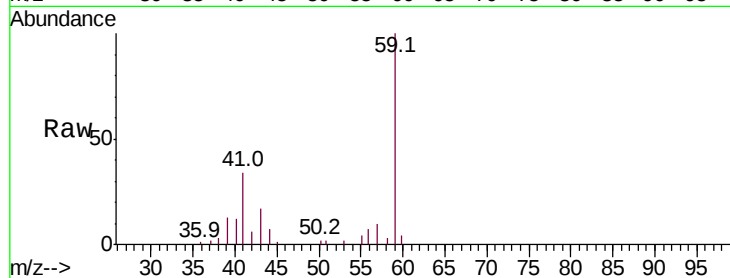
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 59 Resp: 18670

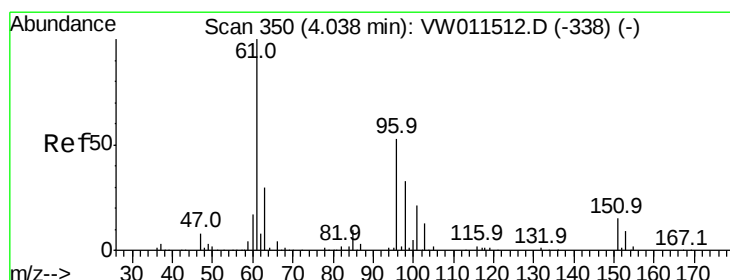
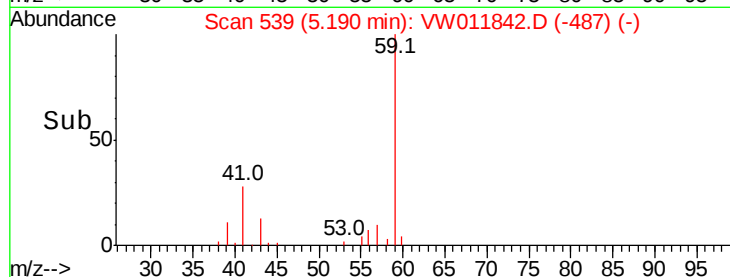
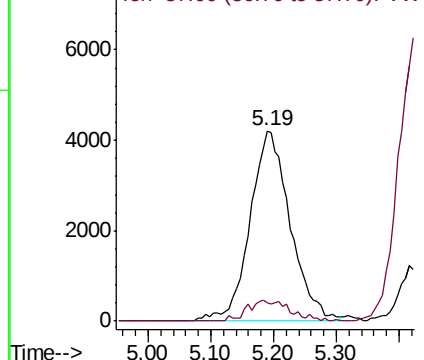
Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 21.422 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

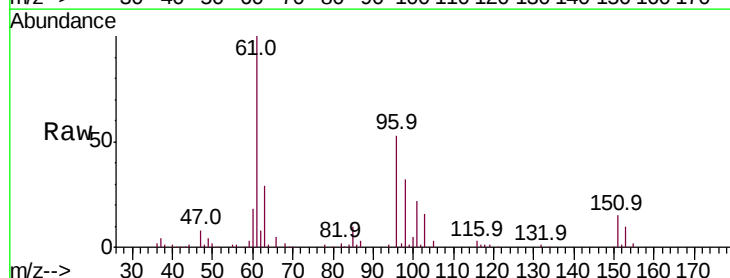
Tgt Ion: 96 Resp: 49876

Ion Ratio Lower Upper

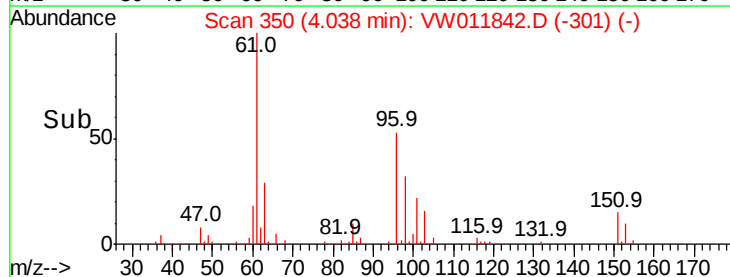
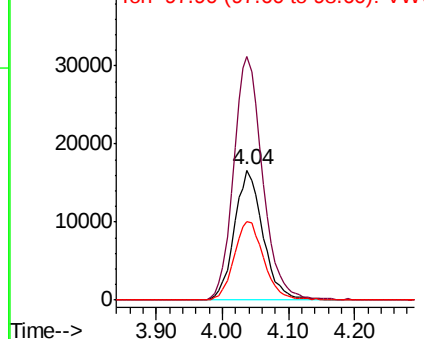
96 100

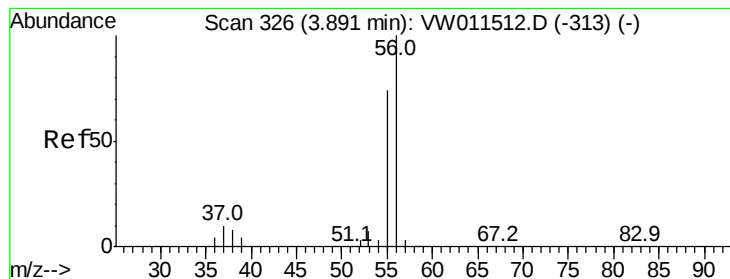
61 187.5 149.9 224.9

98 60.8 49.1 73.7



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





#13

Acrolein

Concen: 85.762 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

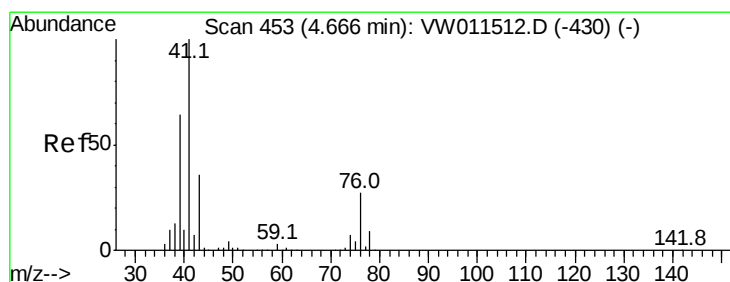
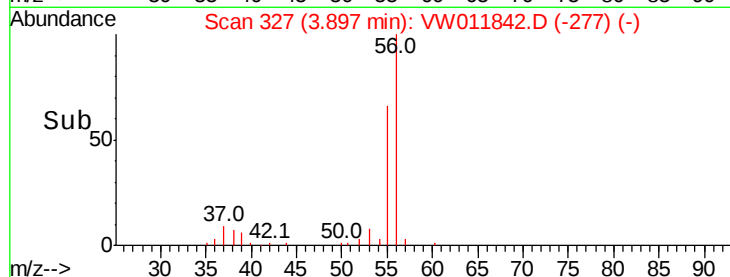
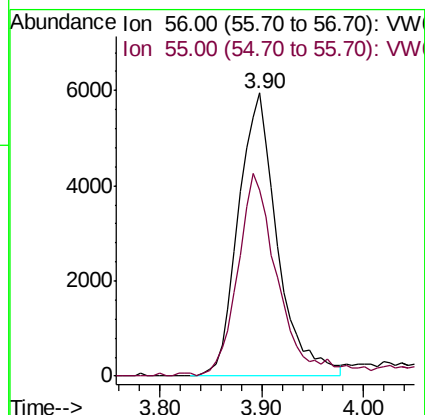
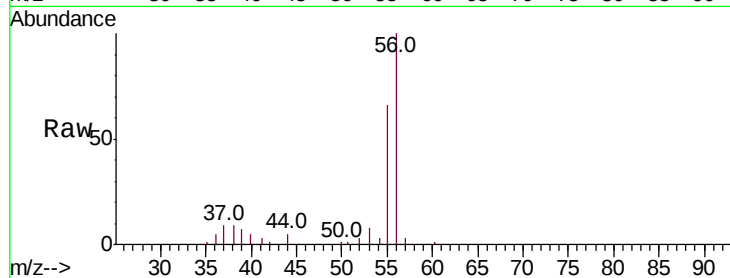
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 15797

Ion Ratio Lower Upper

56 100

55 74.3 56.0 84.0



#14

Allyl chloride

Concen: 21.462 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

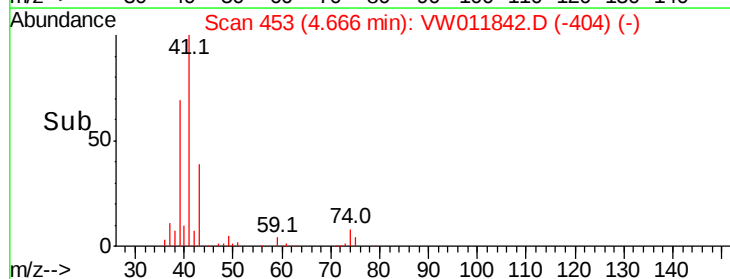
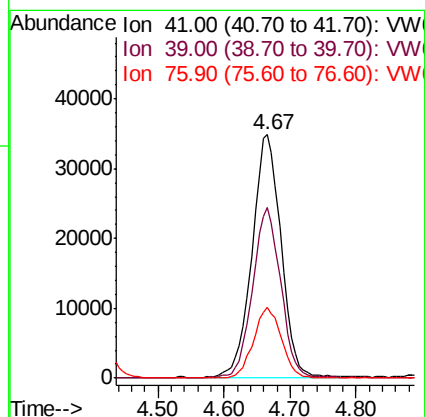
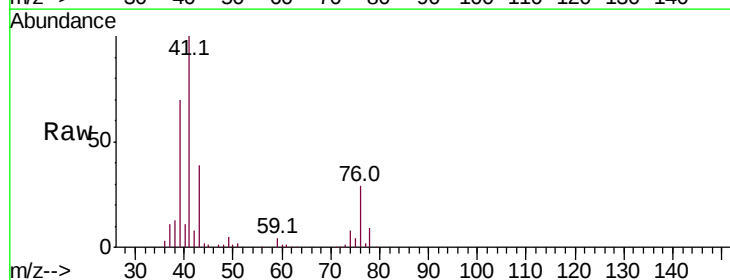
Tgt Ion: 41 Resp: 106279

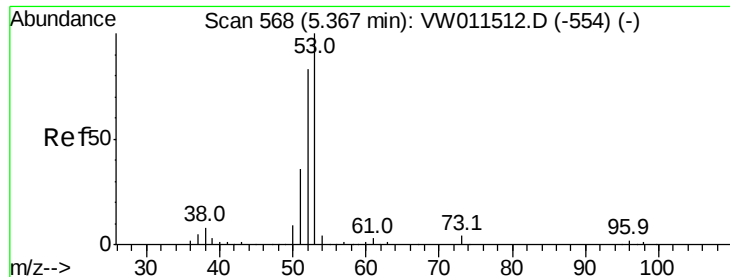
Ion Ratio Lower Upper

41 100

39 67.2 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 111.486 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

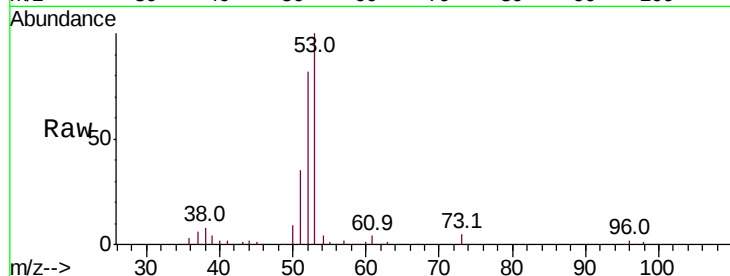
Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

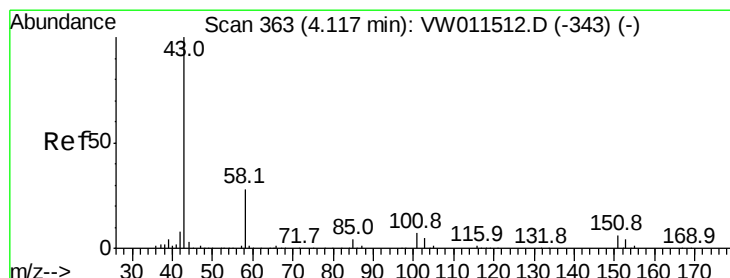
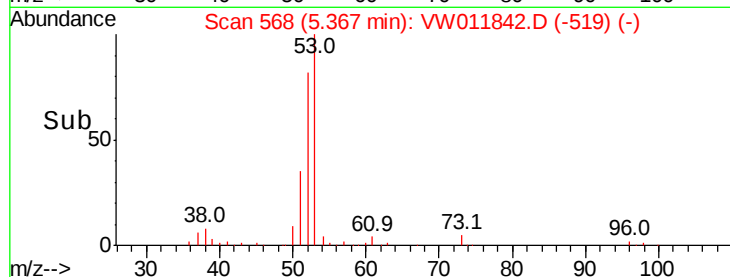
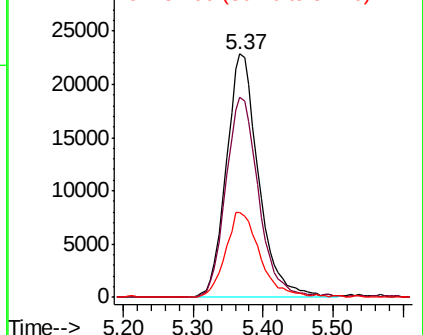
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 73349

Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.2	100.8
51	37.1	30.0	45.0



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



#16

Acetone

Concen: 92.615 ug/l

RT: 4.13 min Scan# 365

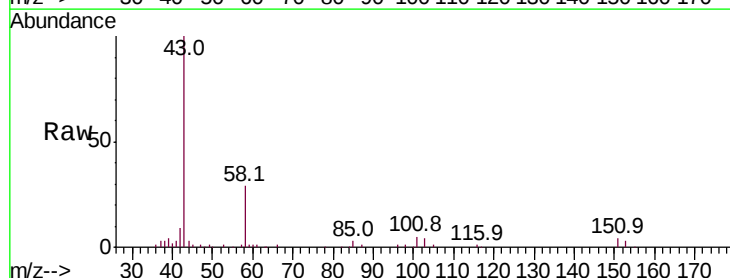
Delta R.T. 0.01 min

Lab File: VW011842.D

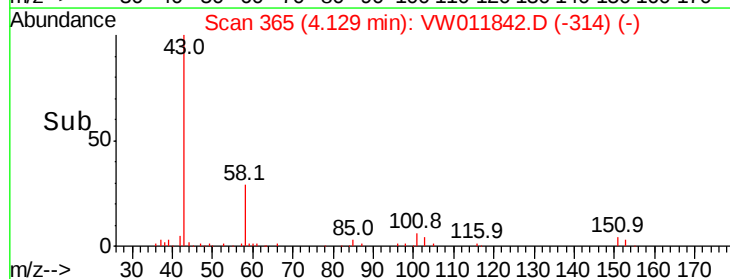
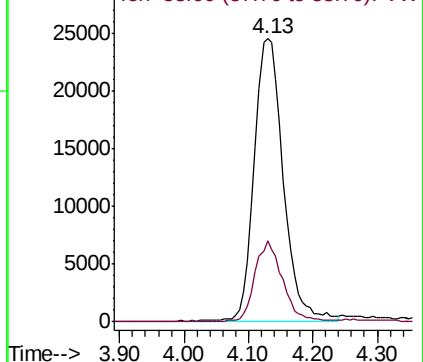
Acq: 12 Aug 2019 10:58

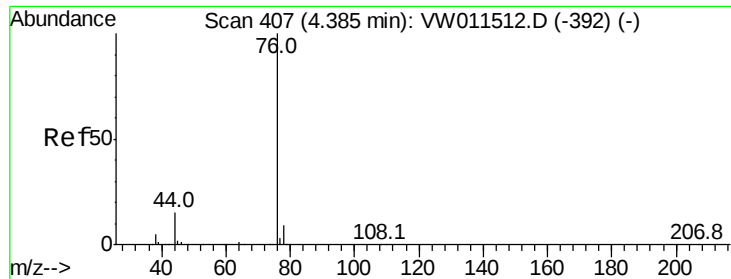
Tgt Ion: 43 Resp: 75627

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5



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

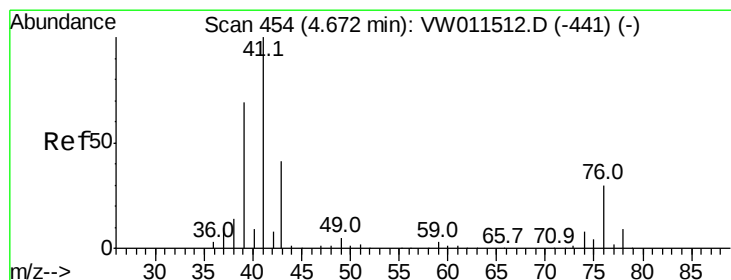
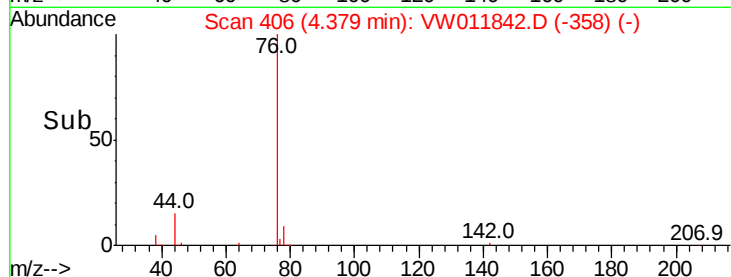
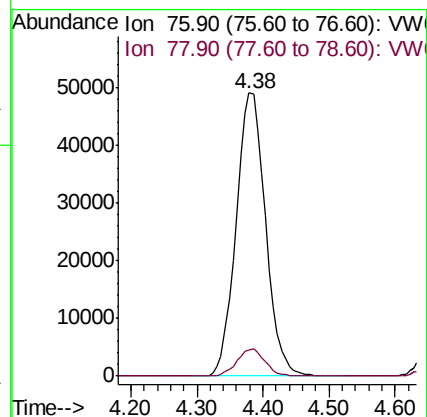
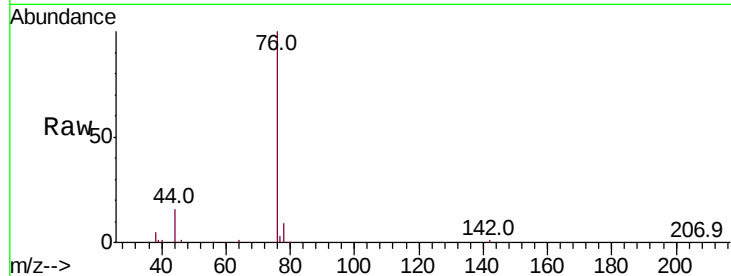




#17
Carbon Disulfide
Concen: 20.792 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

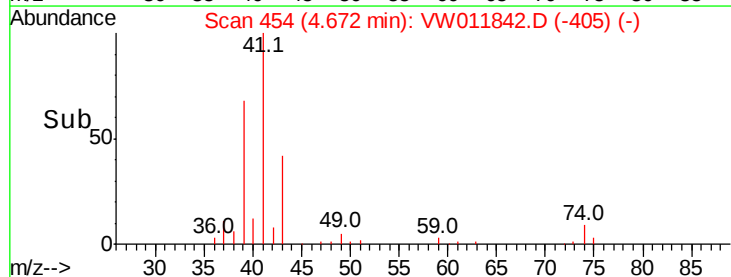
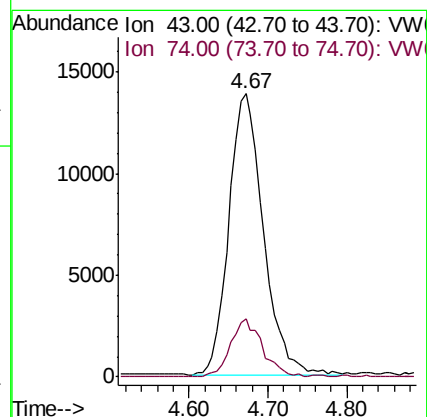
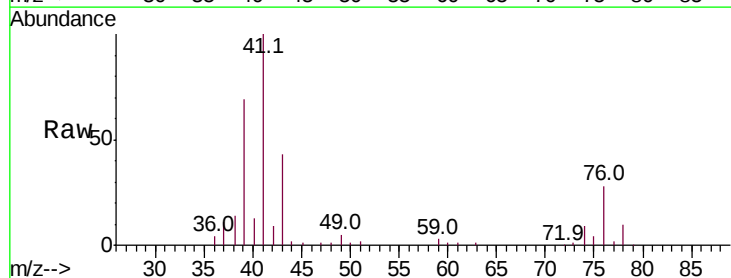
Instrument :
MSVOA_W
ClientSampled :

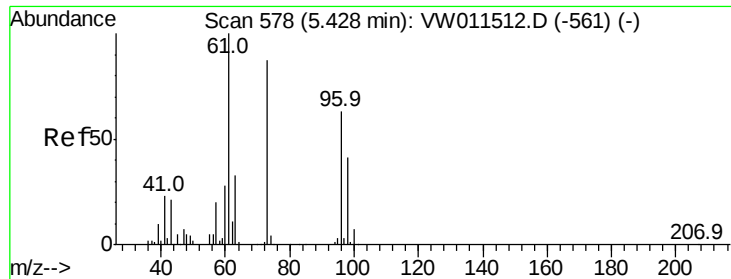
Tot Ion: 76 Resp: 151515
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 22.981 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 43 Resp: 42157
Ion Ratio Lower Upper
43 100
74 18.9 15.9 23.9

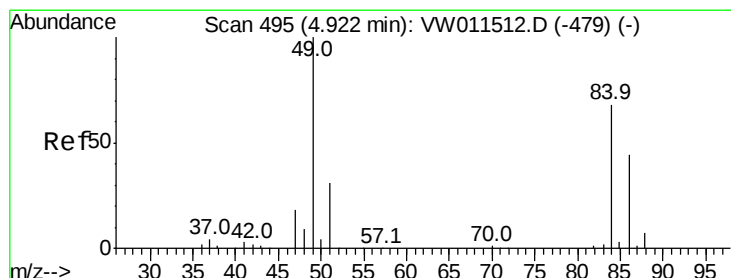
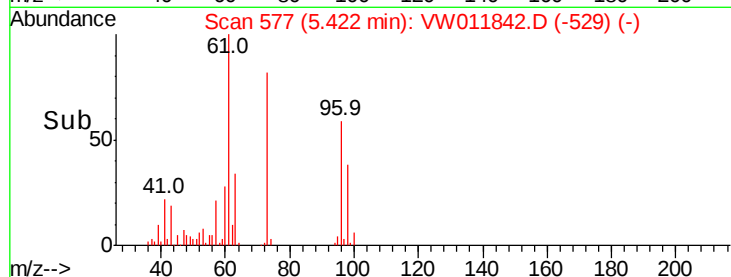
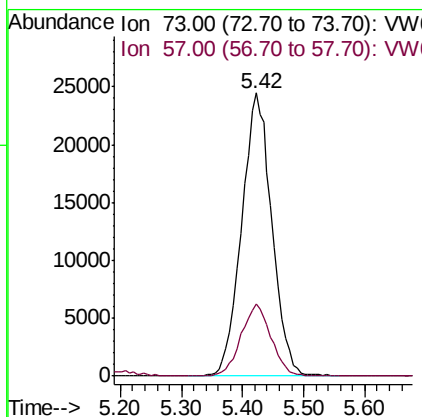
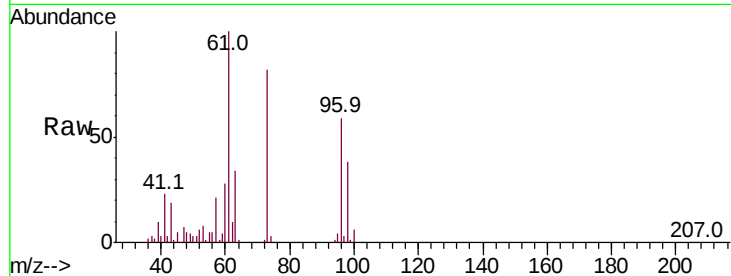




#19
Methvl tert-butvl Ether
Concen: 22.641 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

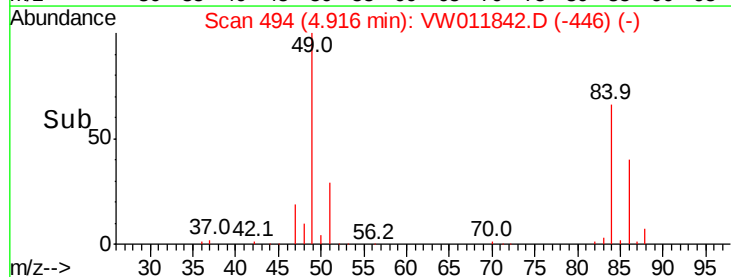
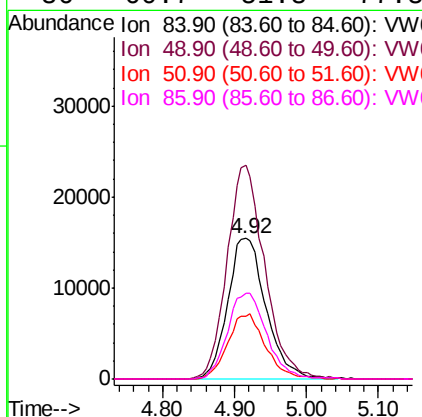
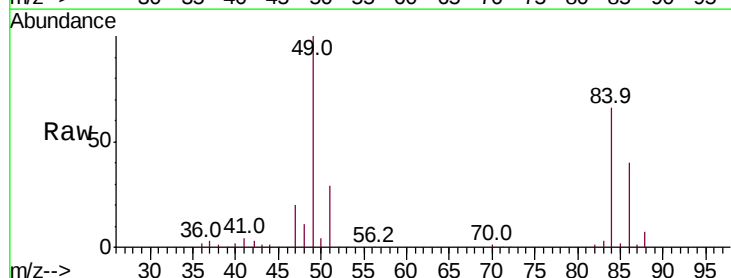
Instrument :
MSVOA_W
ClientSampled :

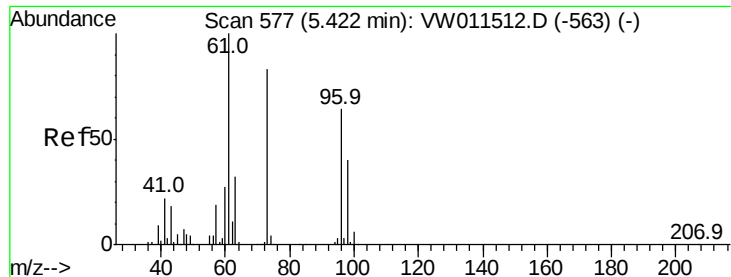
Tot Ion: 73 Resp: 83650
Ion Ratio Lower Upper
73 100
57 25.6 18.4 27.6



#20
Methylene Chloride
Concen: 20.278 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 84 Resp: 57108
Ion Ratio Lower Upper
84 100
49 151.9 117.8 176.6
51 44.5 37.0 55.4
86 60.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.365 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

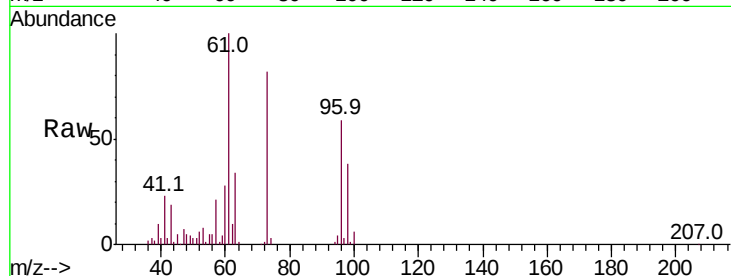
Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 53629

Ion	Ratio	Lower	Upper
96	100		
61	170.3	125.7	188.5
98	65.4	50.3	75.5

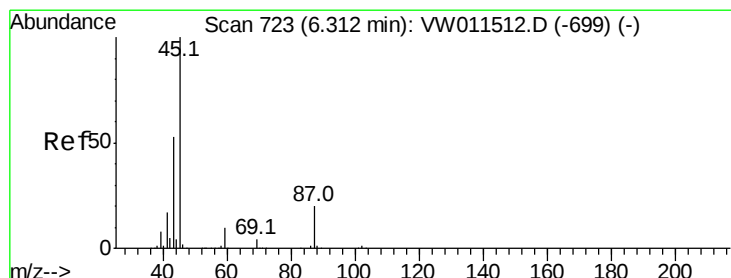
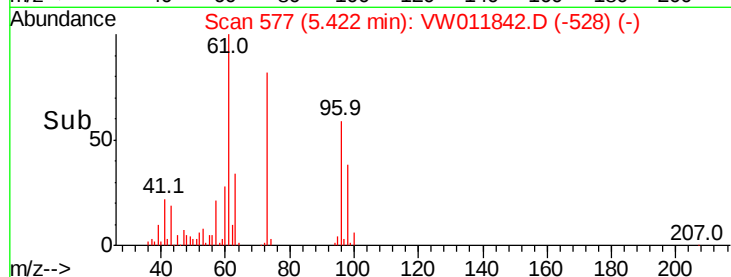
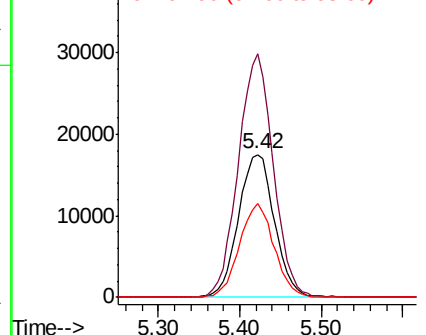


Abundance

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: 21.655 ug/l

RT: 6.31 min Scan# 723

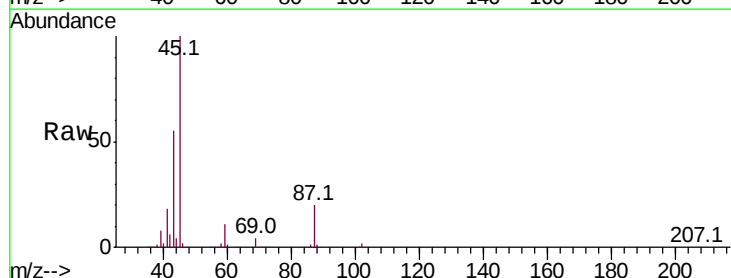
Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Tgt Ion: 45 Resp: 202181

Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.6	63.8
87	19.8	16.4	24.6
59	11.1	8.2	12.2



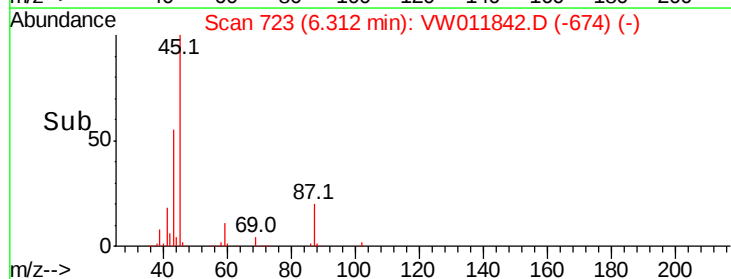
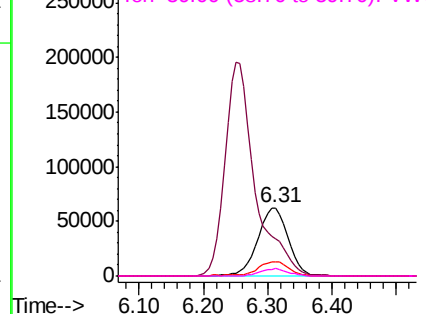
Abundance

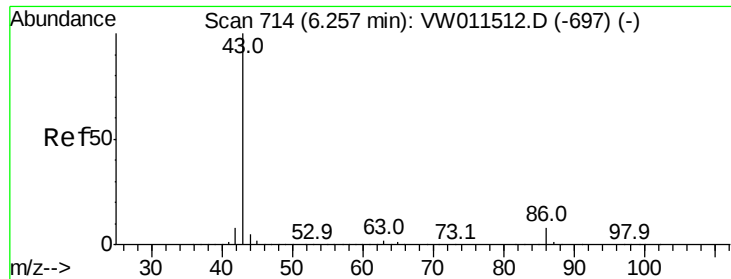
Ion 45.00 (44.70 to 45.70): VW

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: 109.680 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

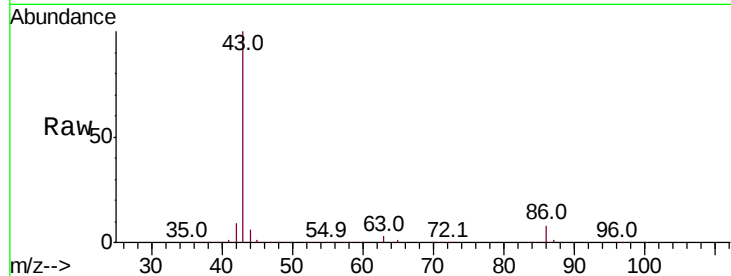
ClientSampled :

Tot Ion: 43 Resp: 643440

Ion Ratio Lower Upper

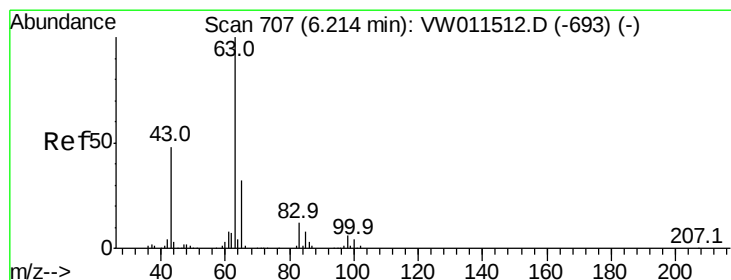
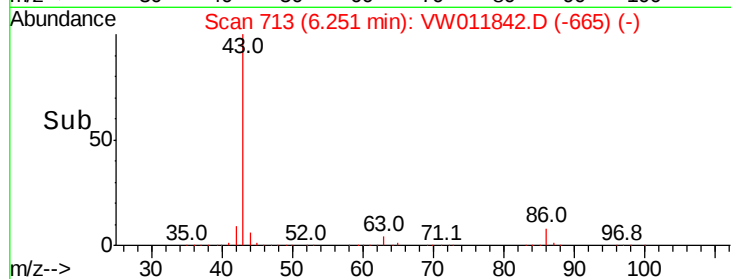
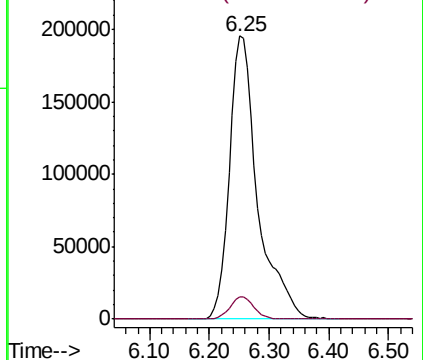
43 100

86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.438 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

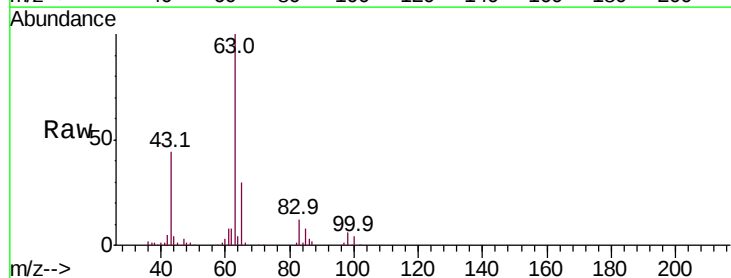
Tgt Ion: 63 Resp: 107195

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

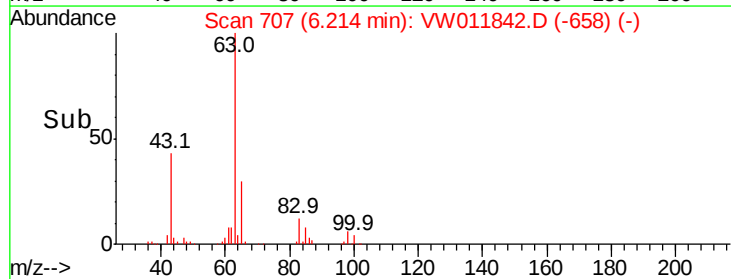
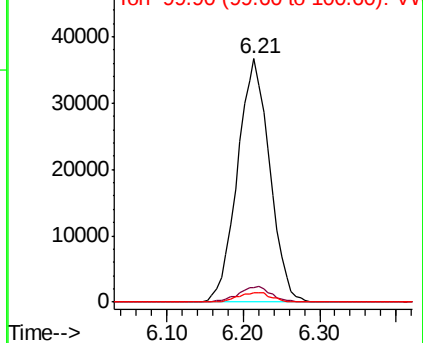
100 4.1 2.1 6.3

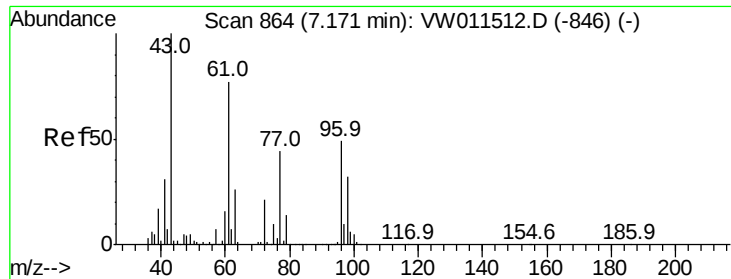


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.185 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

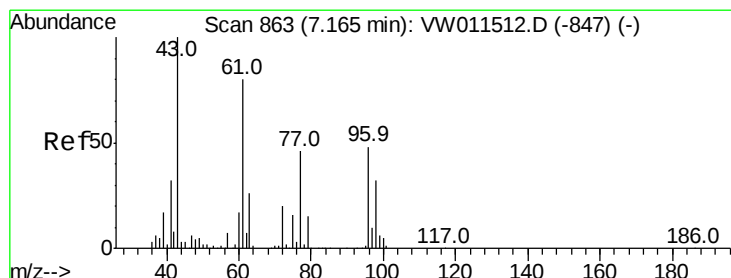
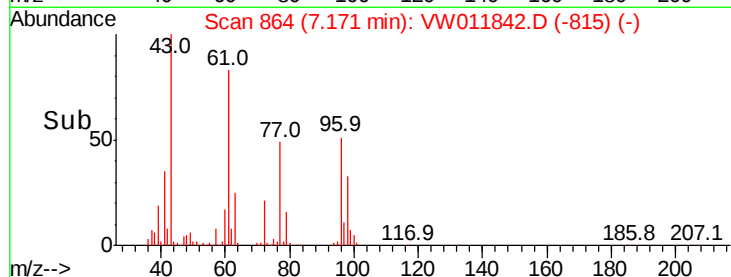
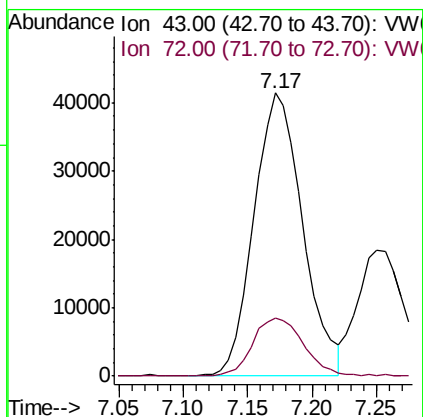
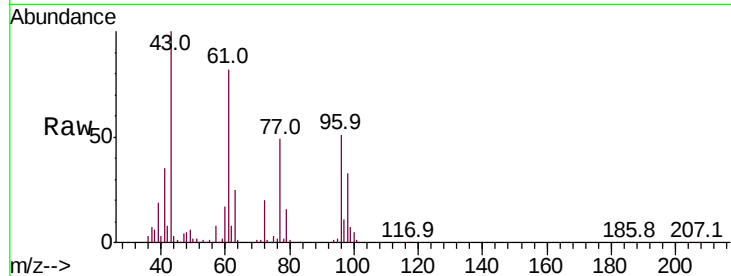
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 108118

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.484 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011842.D

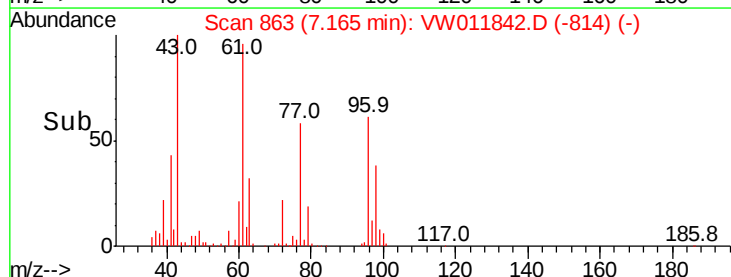
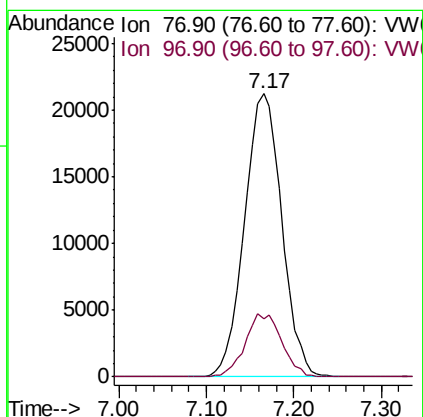
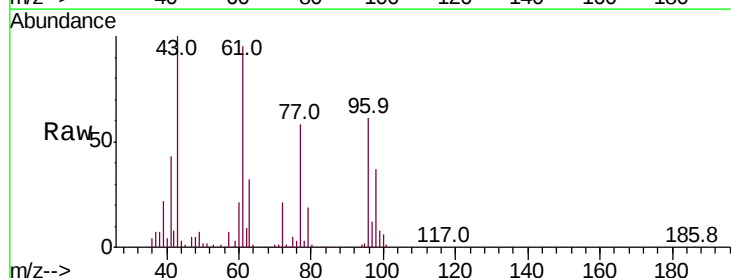
Acq: 12 Aug 2019 10:58

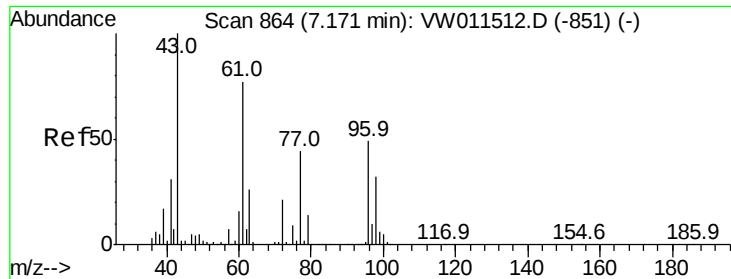
Tgt Ion: 77 Resp: 62989

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4



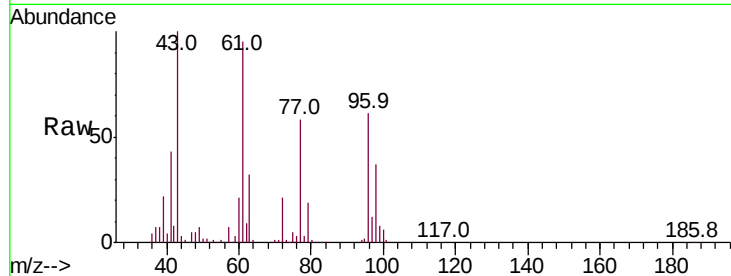


#27

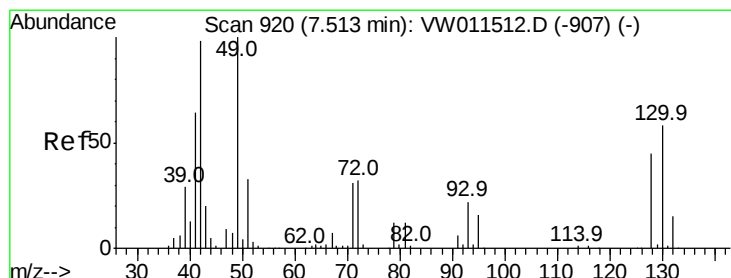
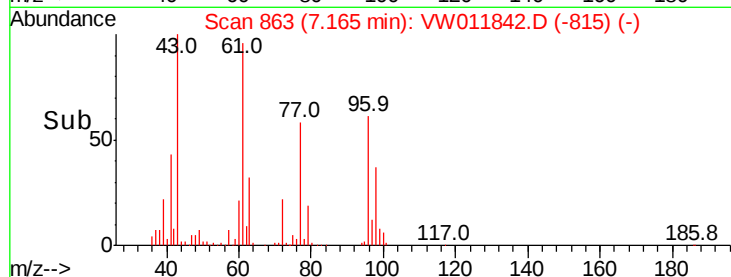
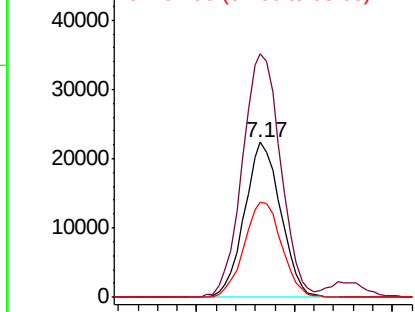
cis-1,2-Dichloroethene
Concen: 20.844 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 57585
Ion Ratio Lower Upper
96 100
61 165.5 0.0 328.4
98 63.5 0.0 128.8



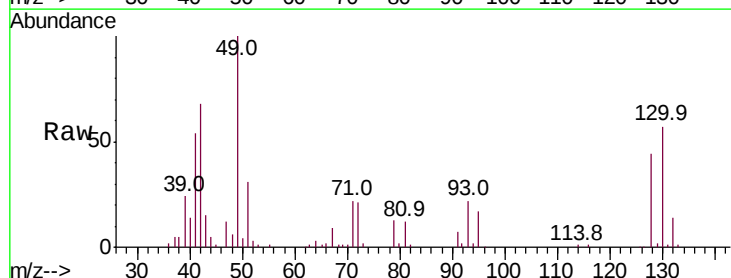
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



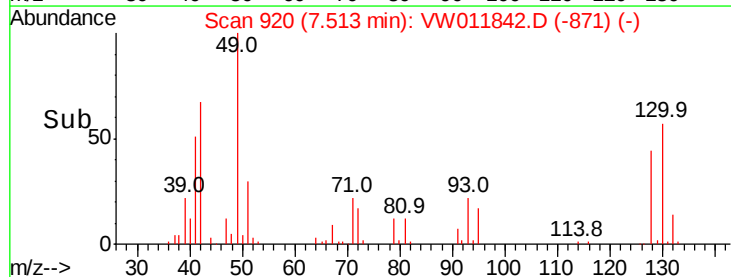
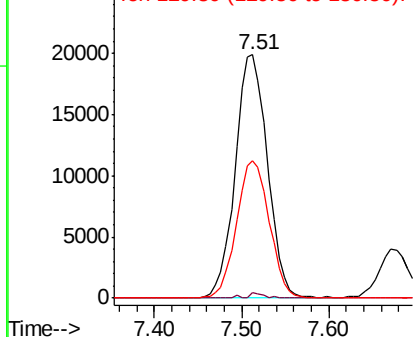
#28

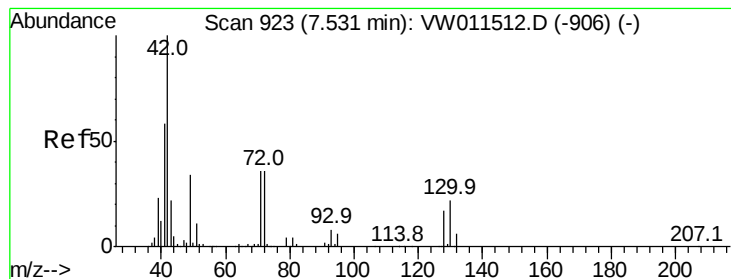
Bromochloromethane
Concen: 22.961 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 49 Resp: 50959
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.0
130 57.1 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: 110.782 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampled :

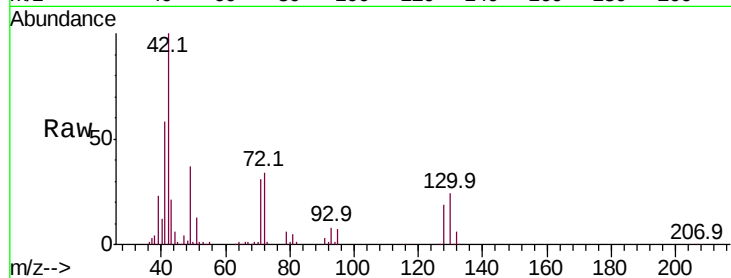
Tot Ion: 42 Resp: 67663

Ion Ratio Lower Upper

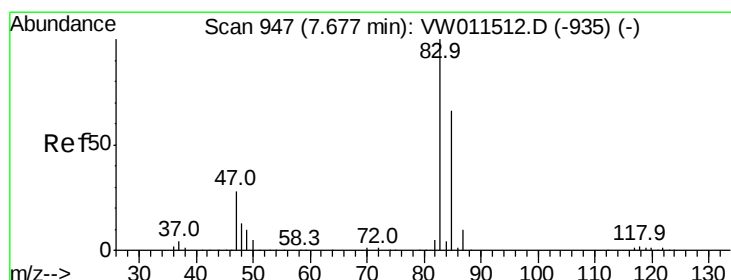
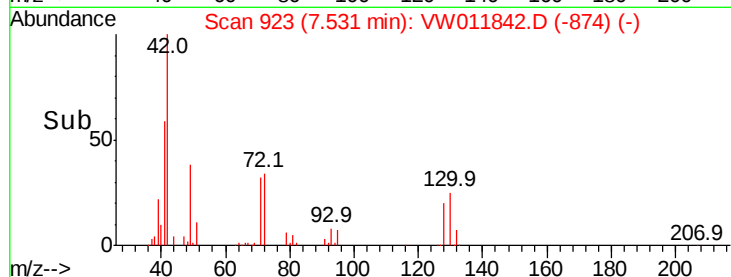
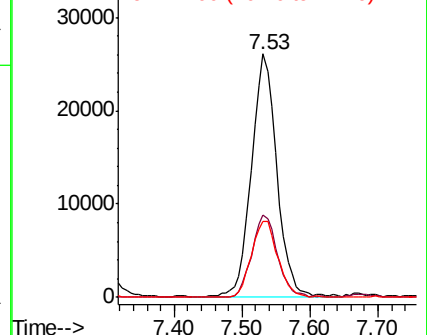
42 100

72 34.3 27.1 40.7

71 32.6 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 21.450 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011842.D

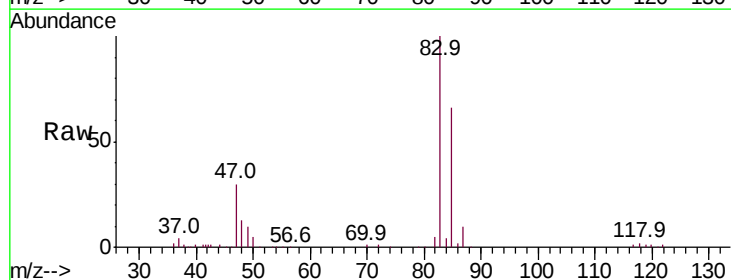
Acq: 12 Aug 2019 10:58

Tgt Ion: 83 Resp: 98952

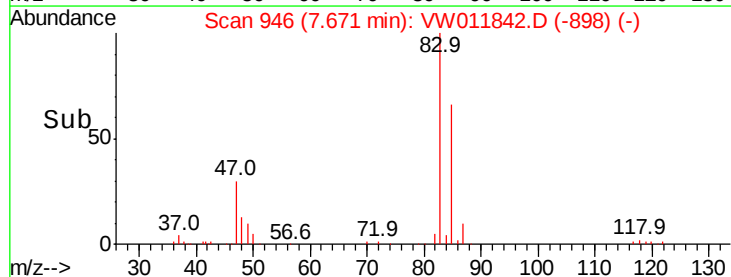
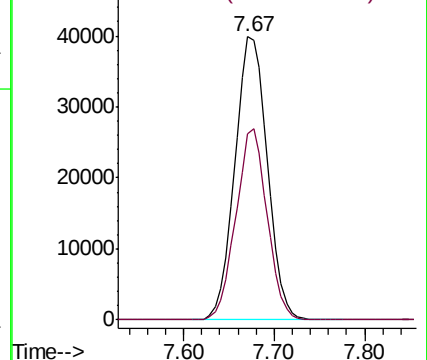
Ion Ratio Lower Upper

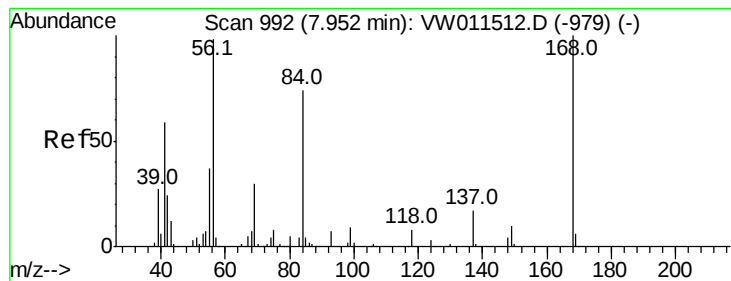
83 100

85 65.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.981 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :

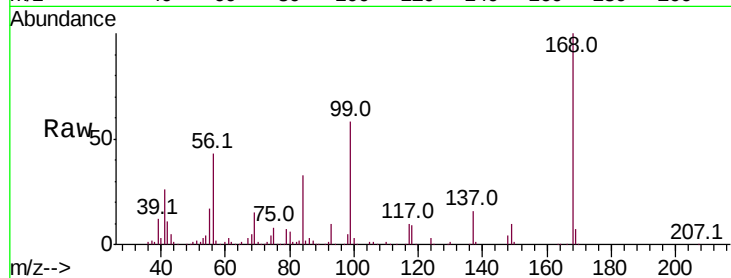
Tot Ion: 56 Resp: 105503

Ion Ratio Lower Upper

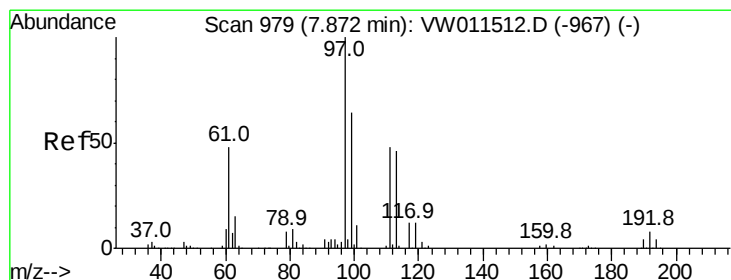
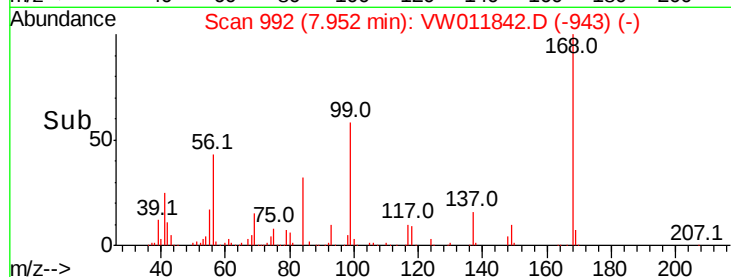
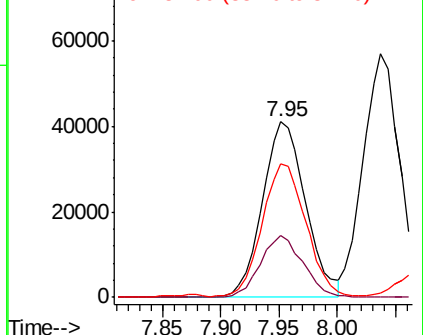
56 100

69 34.9 24.3 36.5

84 74.8 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 22.320 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

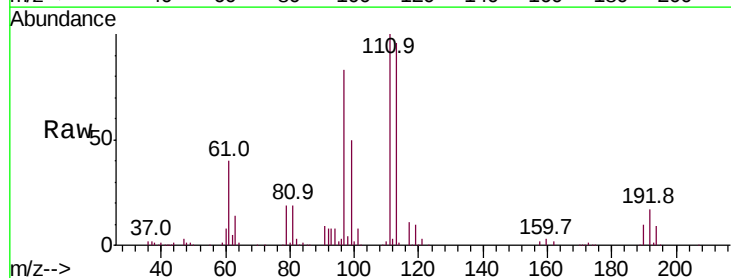
Tgt Ion: 97 Resp: 78414

Ion Ratio Lower Upper

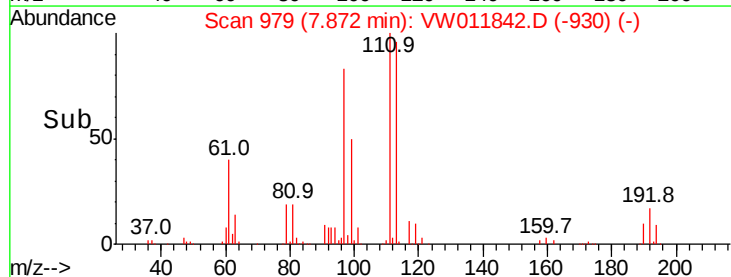
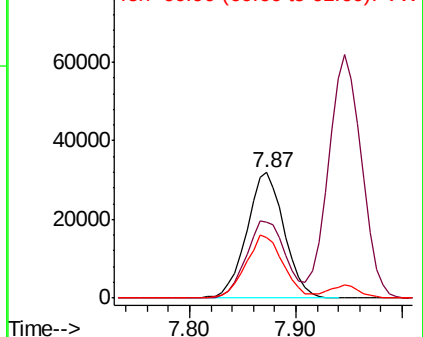
97 100

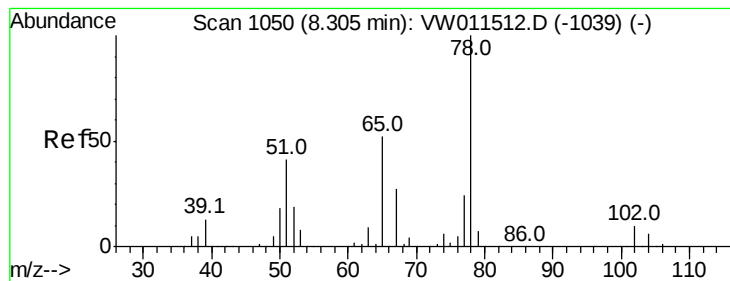
99 65.8 51.0 76.6

61 50.3 39.8 59.6



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





#33

1,2-Dichloroethane-d4

Concen: 56.225 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

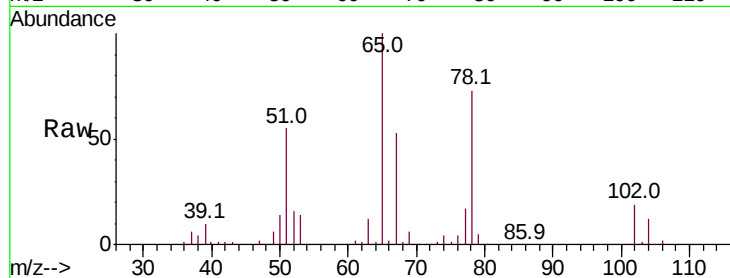
ClientSampled :

Tot Ion: 65 Resp: 144333

Ion Ratio Lower Upper

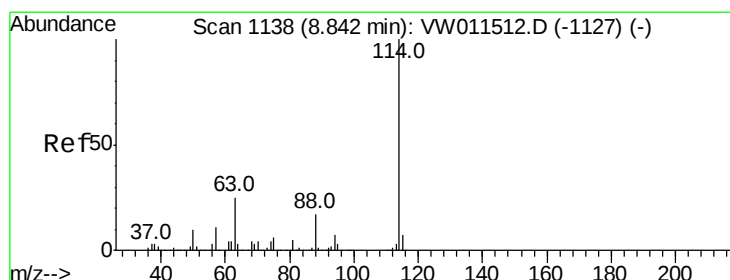
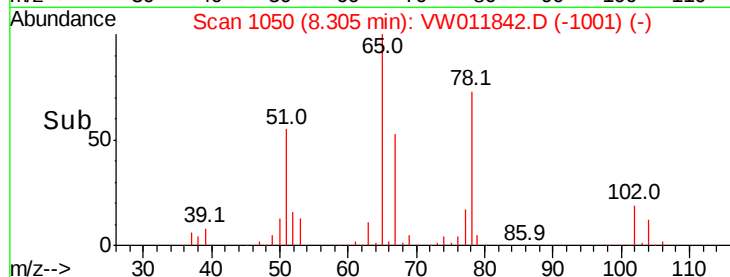
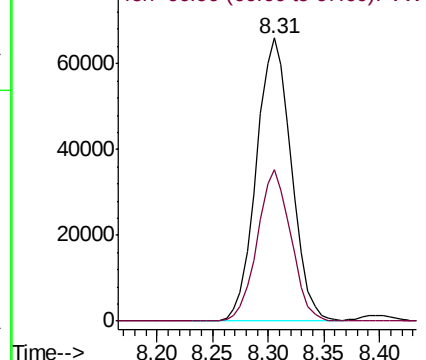
65 100

67 51.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

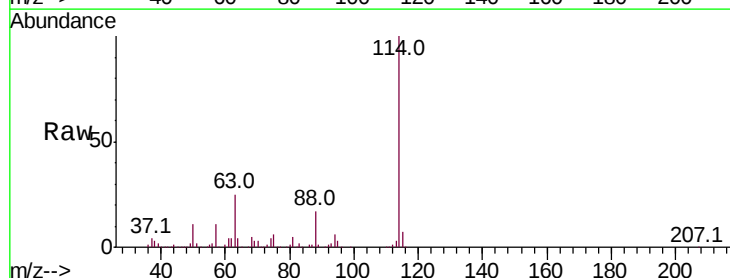
Tgt Ion: 114 Resp: 351733

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

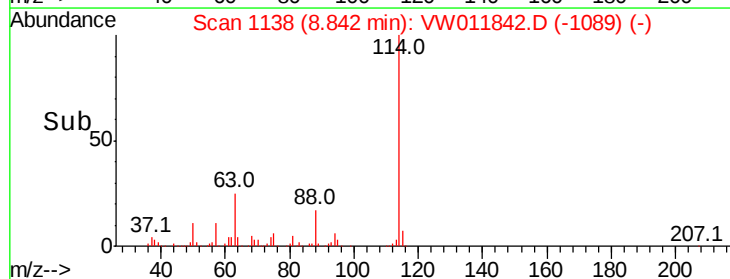
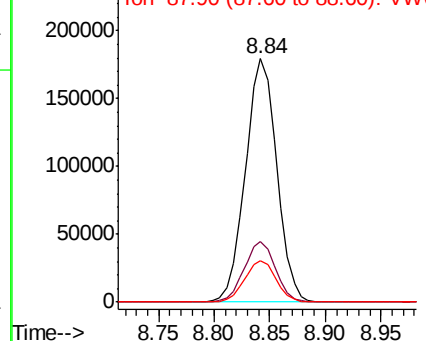
88 16.9 0.0 33.8

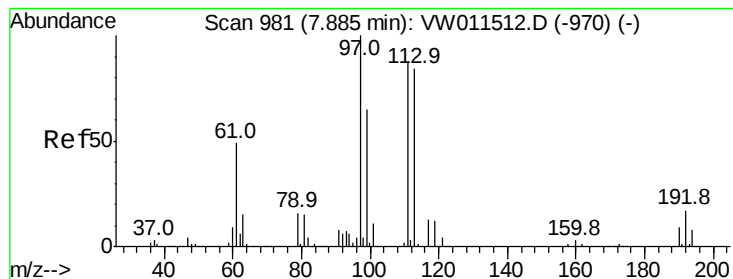


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 57.498 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :

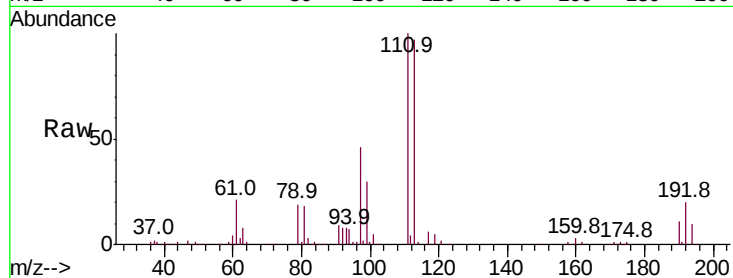
Tot Ion:113 Resp: 113460

Ion Ratio Lower Upper

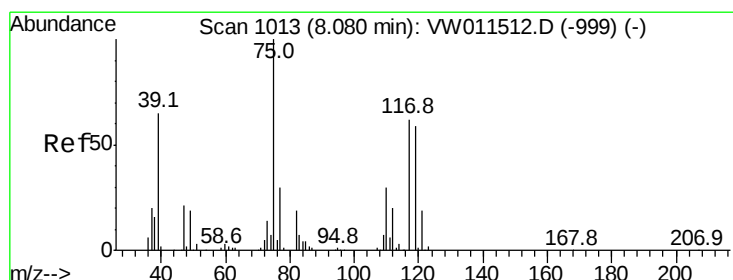
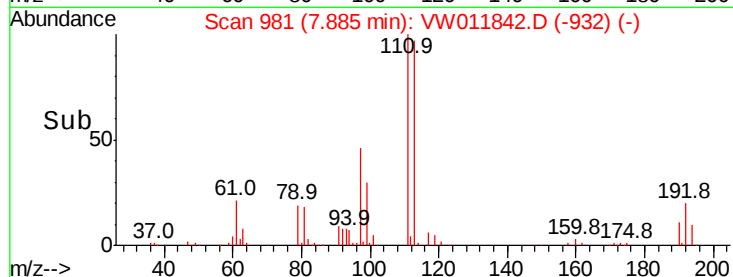
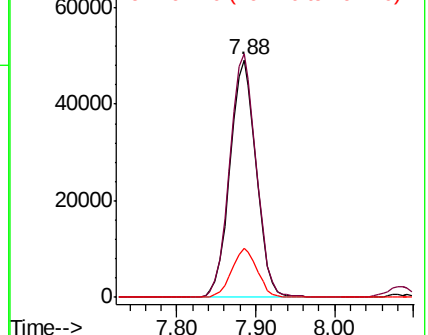
113 100

111 103.4 82.7 124.1

192 20.1 16.1 24.1



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



#36

1,1-Dichloropropene

Concen: 22.714 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

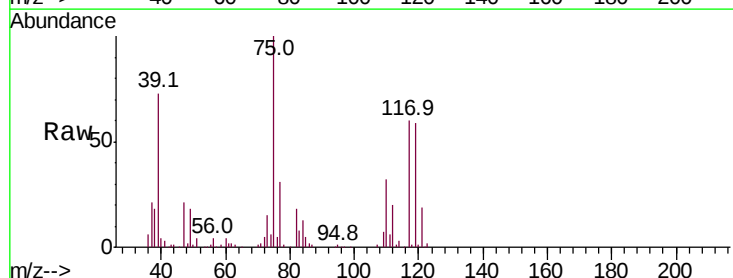
Tgt Ion: 75 Resp: 83074

Ion Ratio Lower Upper

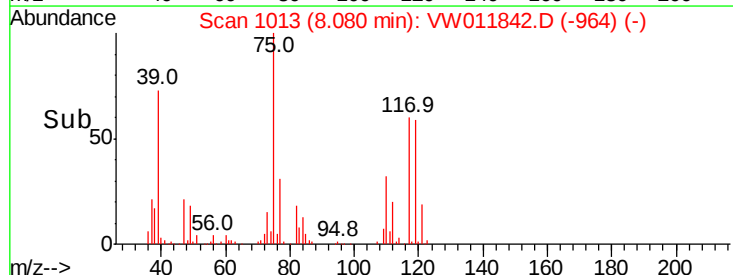
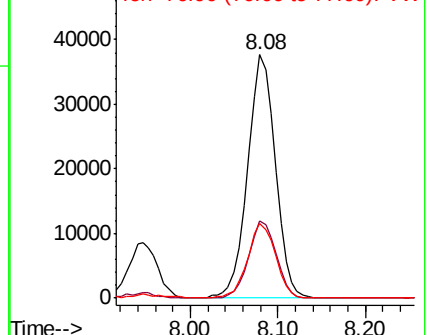
75 100

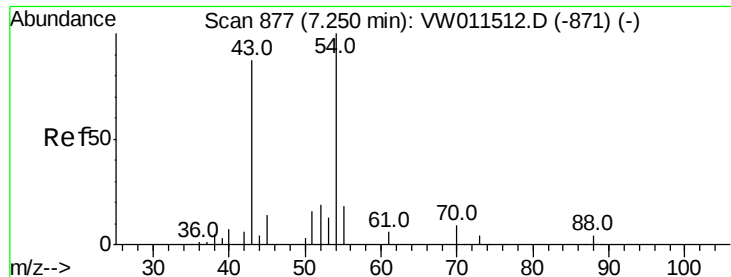
110 31.3 15.6 46.8

77 31.3 24.3 36.5



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

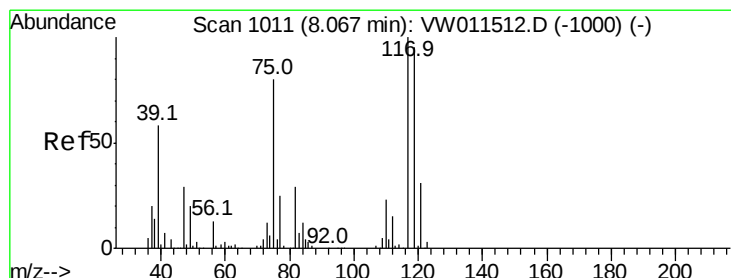
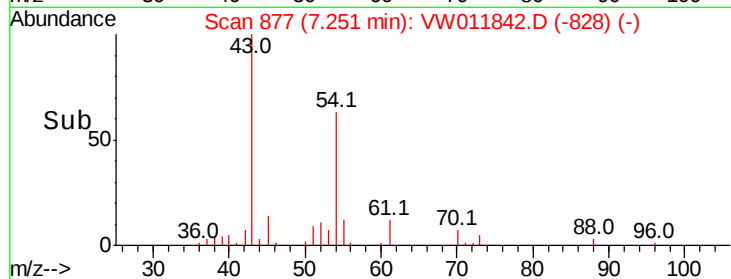
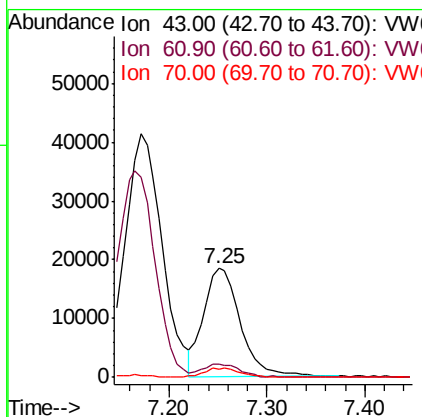
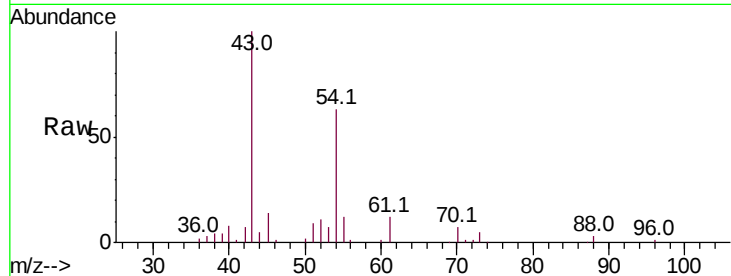




#37
Ethyl Acetate
Concen: 22.696 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

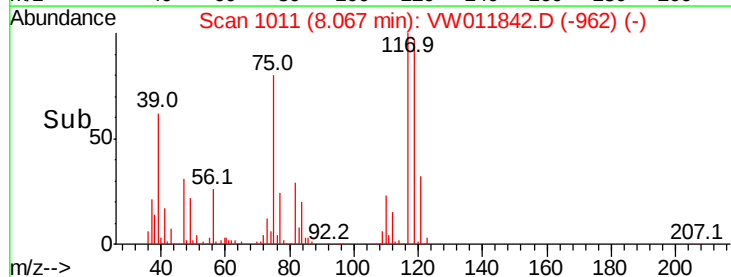
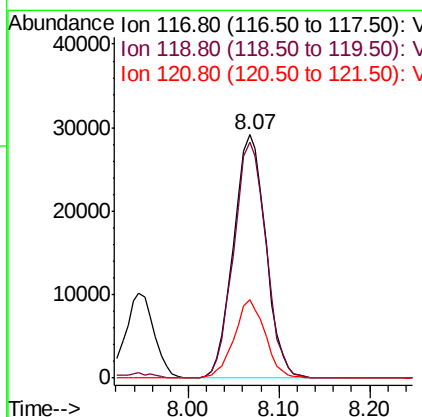
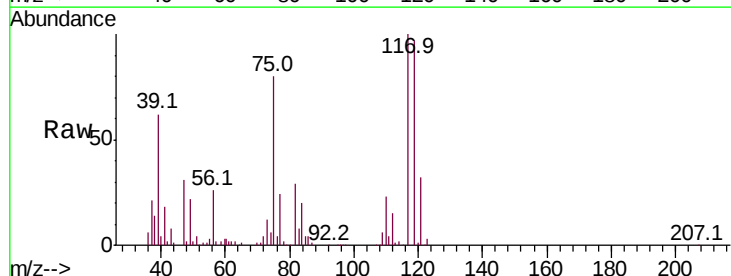
Instrument :
MSVOA_W
ClientSampled :

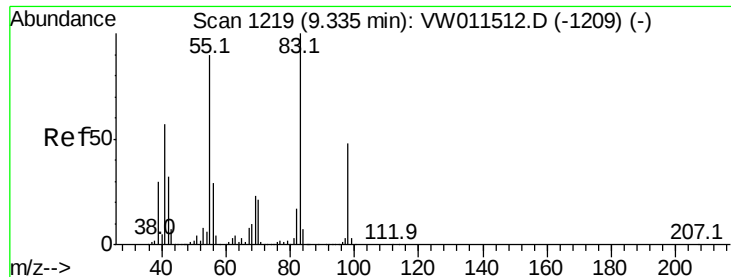
Tot Ion: 43 Resp: 47756
Ion Ratio Lower Upper
43 100
61 13.1 8.8 13.2
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 23.046 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 117 Resp: 72157
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.6
121 32.4 24.7 37.1

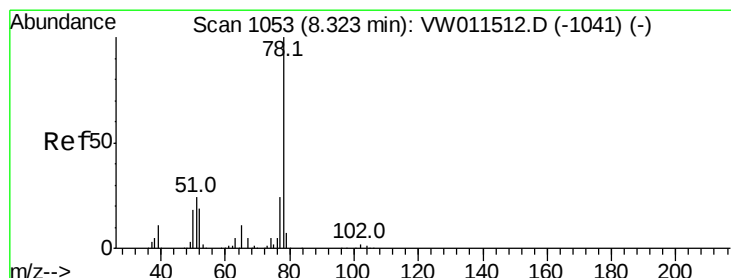
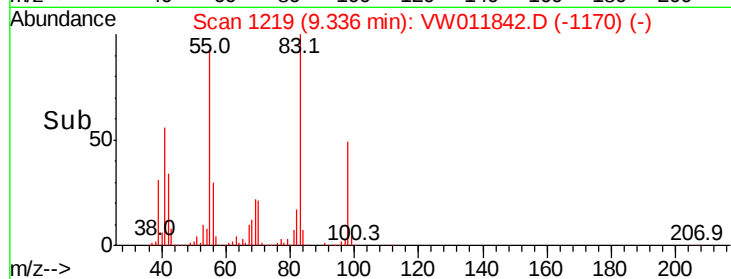
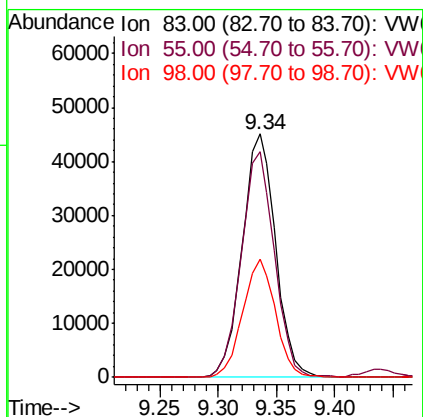
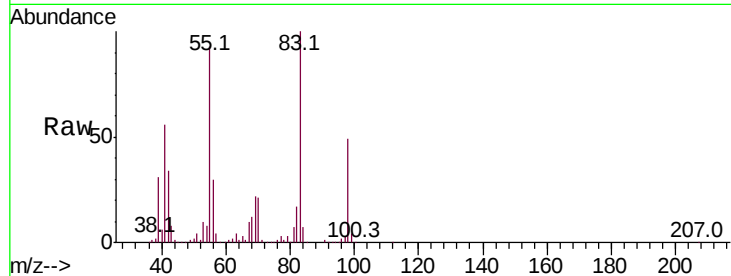




#39
Methvlcvclohexane
Concen: 22.404 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

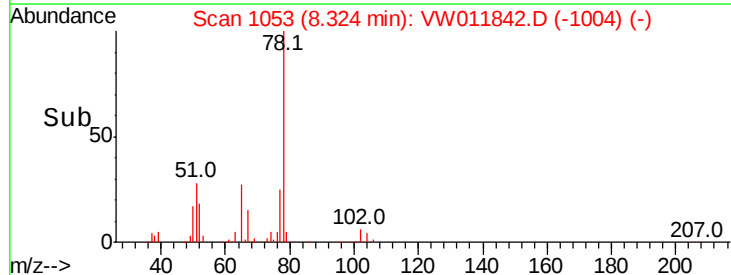
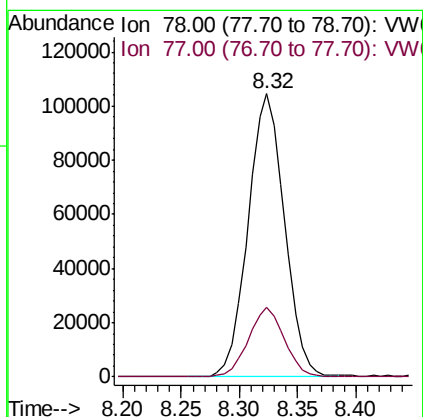
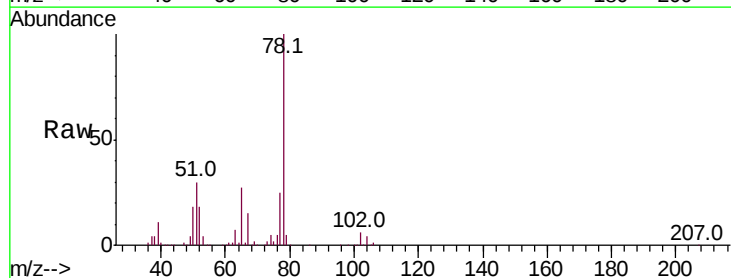
Instrument :
MSVOA_W
ClientSampled :

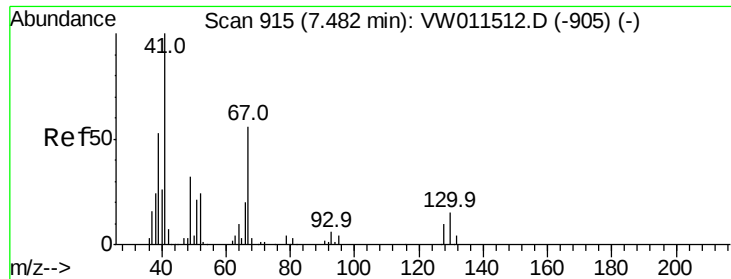
Tot Ion: 83 Resp: 90226
Ion Ratio Lower Upper
83 100
55 92.7 72.1 108.1
98 48.7 38.6 57.8



#40
Benzene
Concen: 22.134 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 78 Resp: 226757
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

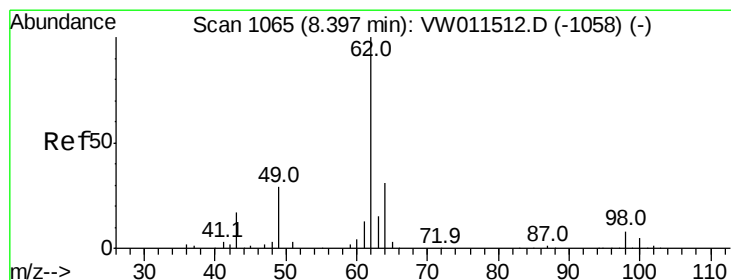
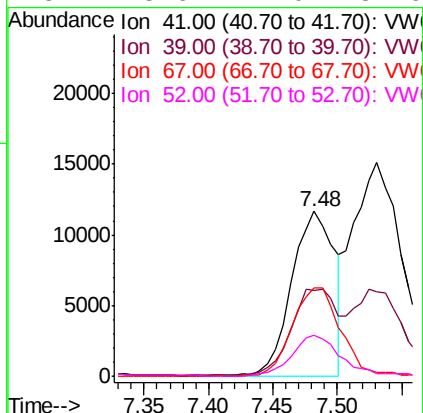
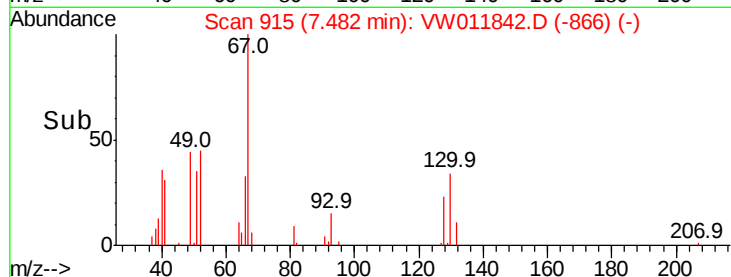
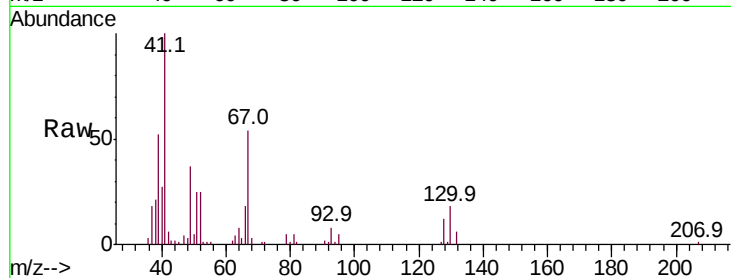




#41
Methacrylonitrile
Concen: 21.475 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

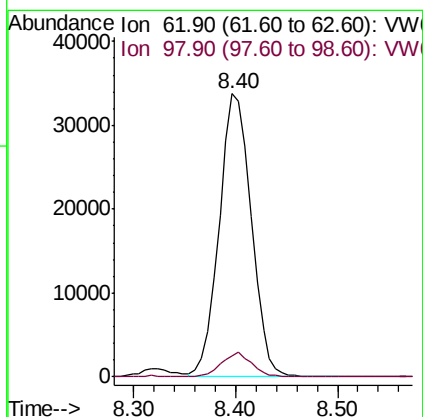
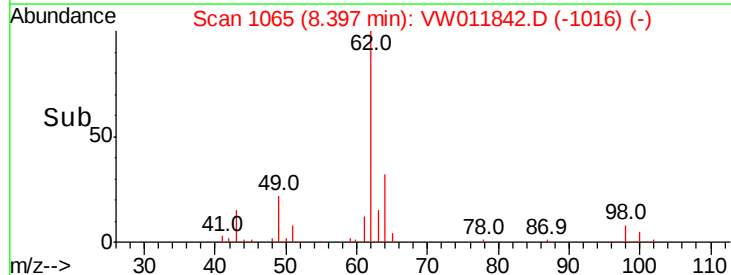
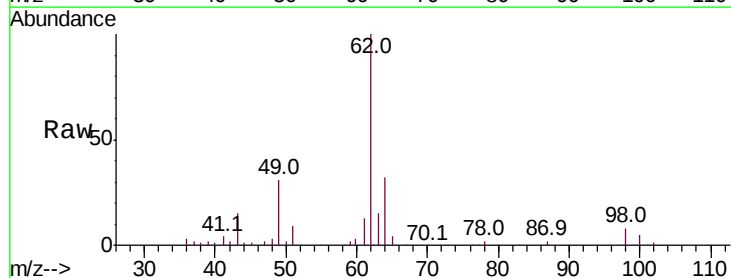
Instrument :
MSVOA_W
ClientSampleId :

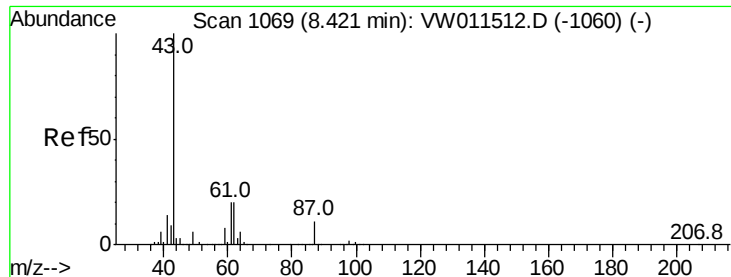
Tot Ion: 41 Resp: 27012
Ion Ratio Lower Upper
41 100
39 60.7 43.0 64.4
67 60.8 47.5 71.3
52 28.6 21.0 31.6



#42
1,2-Dichloroethane
Concen: 23.057 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 62 Resp: 73955
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.8





#43

Isopropyl Acetate

Concen: 23.050 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampled :

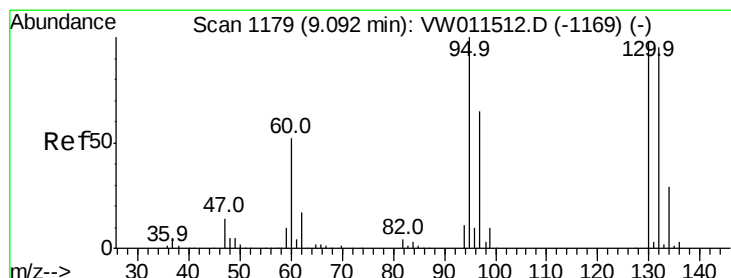
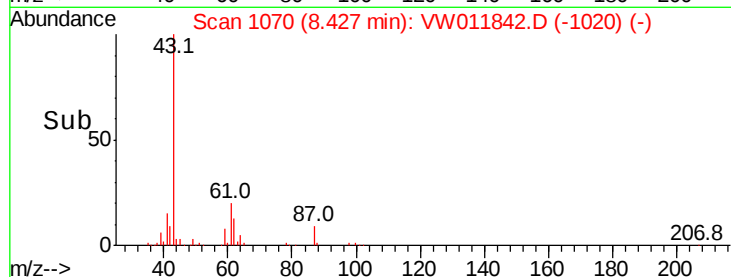
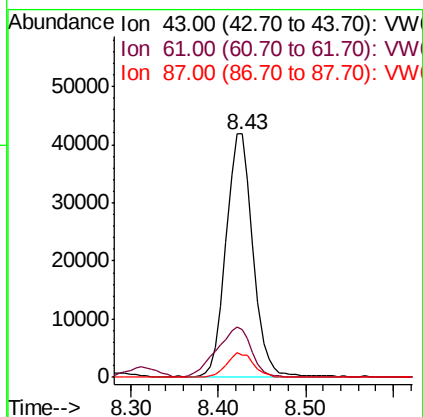
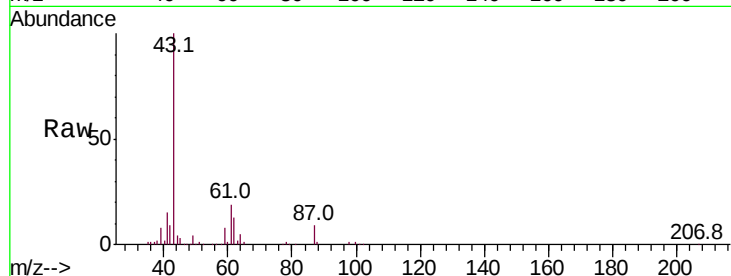
Tot Ion: 43 Resp: 89200

Ion Ratio Lower Upper

43 100

61 26.8 21.5 32.3

87 10.2 8.4 12.6



#44

Trichloroethene

Concen: 22.449 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011842.D

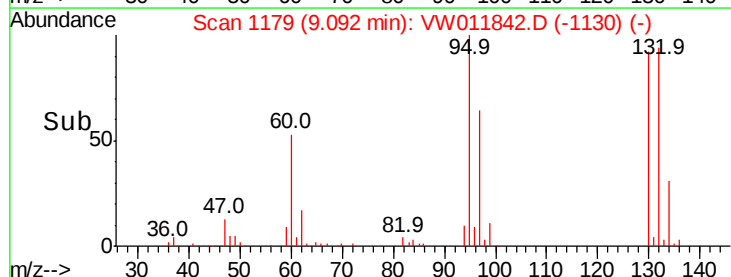
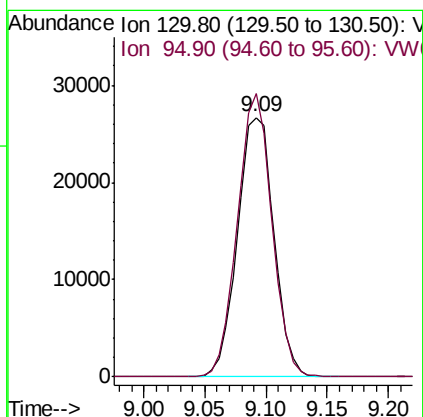
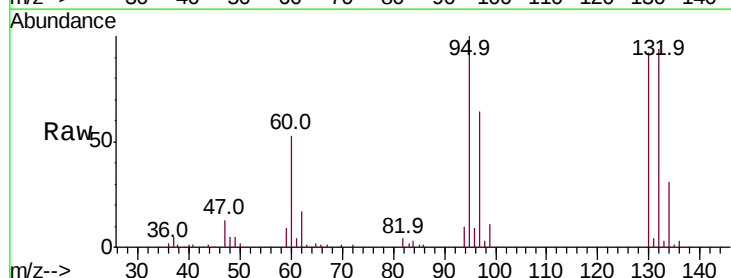
Acq: 12 Aug 2019 10:58

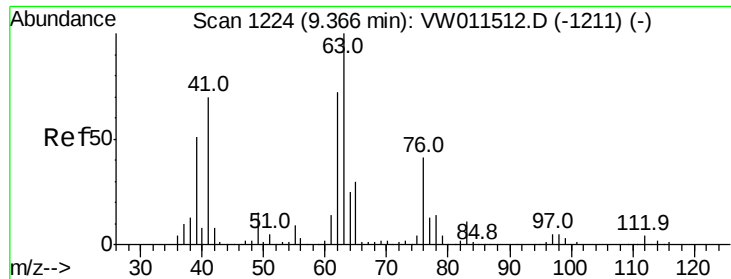
Tgt Ion: 130 Resp: 55274

Ion Ratio Lower Upper

130 100

95 109.0 0.0 204.8





#45

1,2-Dichloropropane

Concen: 22.438 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

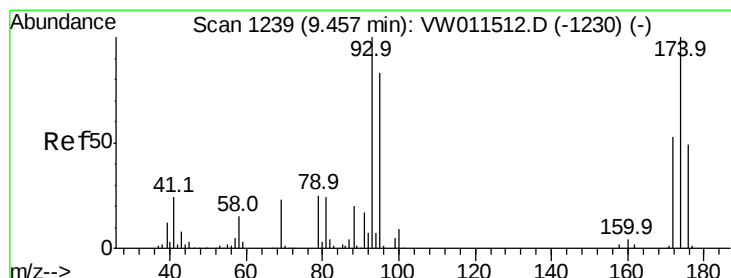
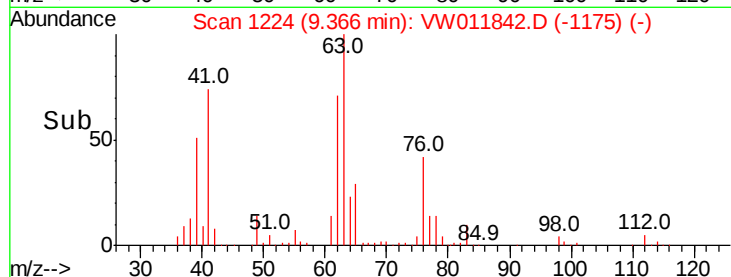
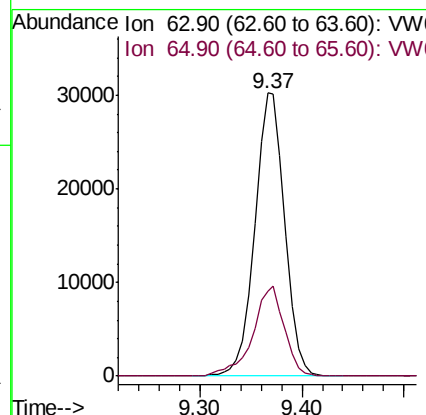
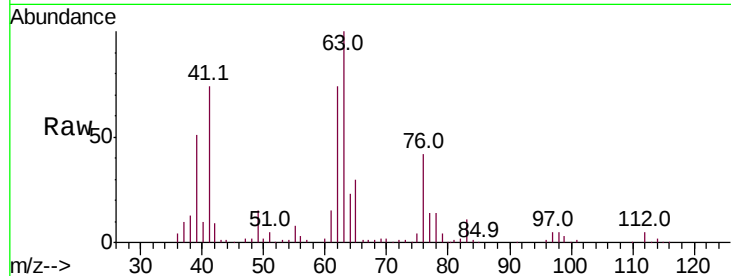
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 61506

Ion Ratio Lower Upper

63 100

65 30.0 24.2 36.4



#46

Dibromomethane

Concen: 22.353 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

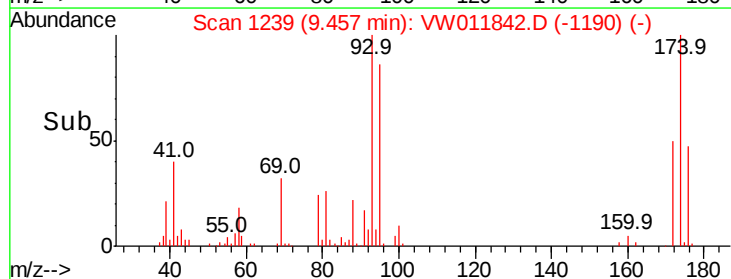
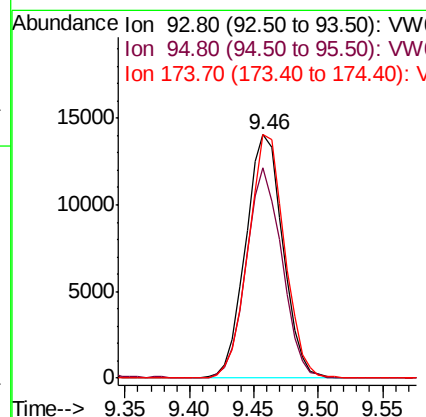
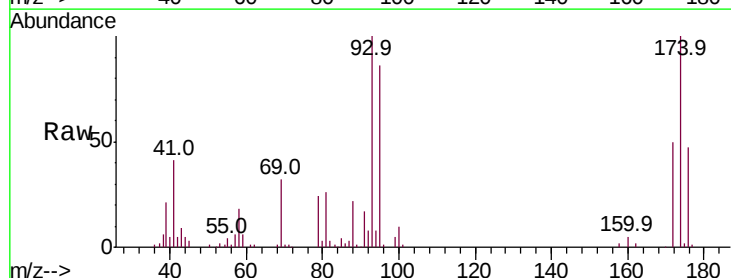
Tgt Ion: 93 Resp: 27966

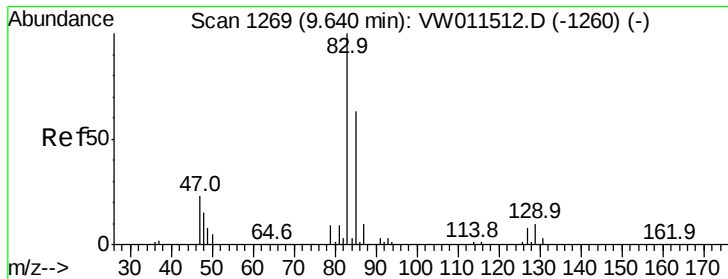
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.2

174 97.4 78.2 117.4





#47

Bromodichloromethane

Concen: 22.209 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampled :

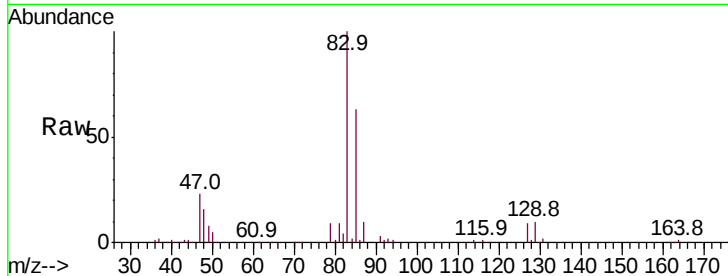
Tot Ion: 83 Resp: 72884

Ion Ratio Lower Upper

83 100

85 62.7 50.5 75.7

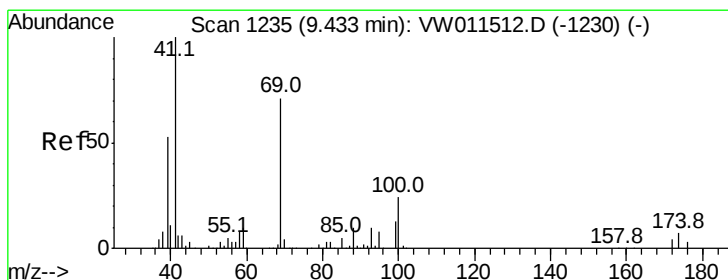
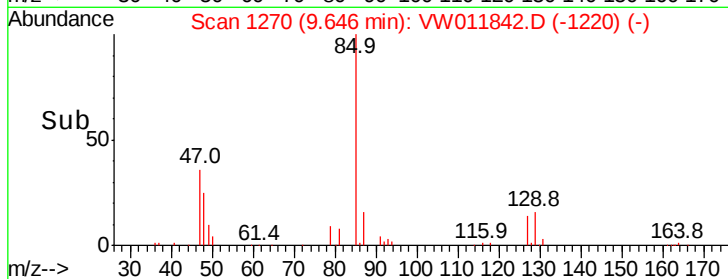
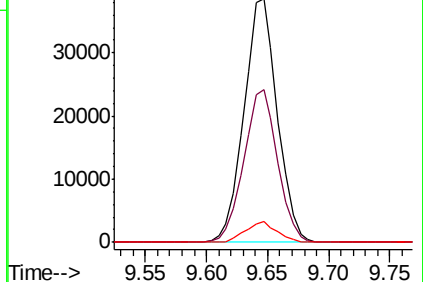
127 8.7 6.4 9.6



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: 22.620 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

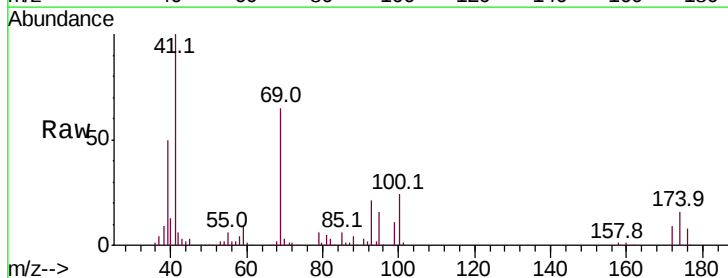
Tgt Ion: 41 Resp: 42048

Ion Ratio Lower Upper

41 100

69 73.2 57.1 85.7

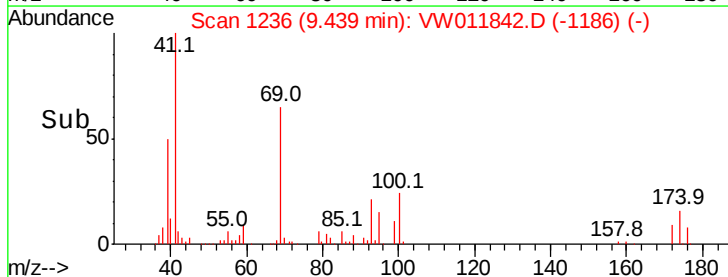
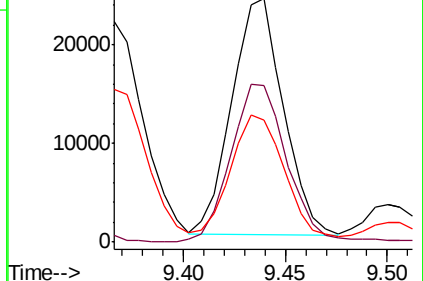
39 52.4 45.4 68.2

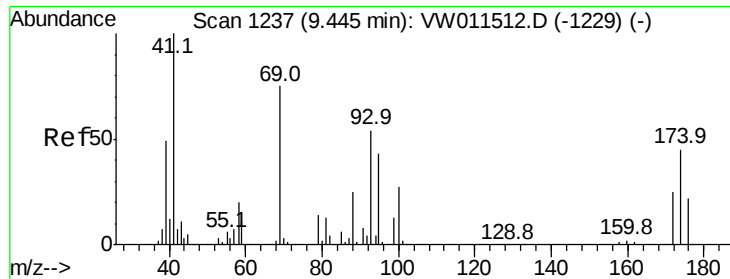


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 433.841 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampled :

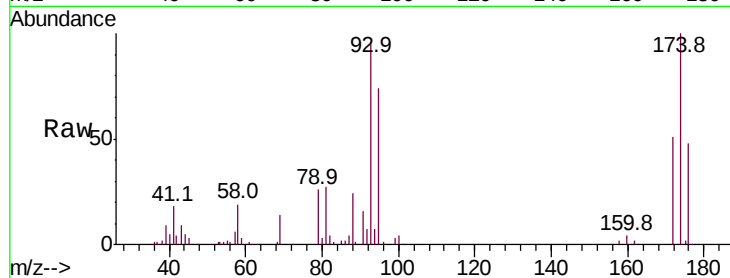
Tot Ion: 88 Resp: 7859

Ion Ratio Lower Upper

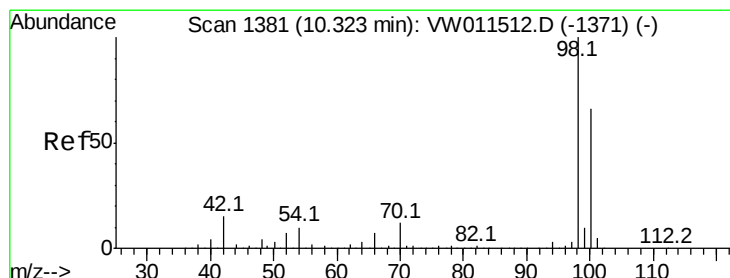
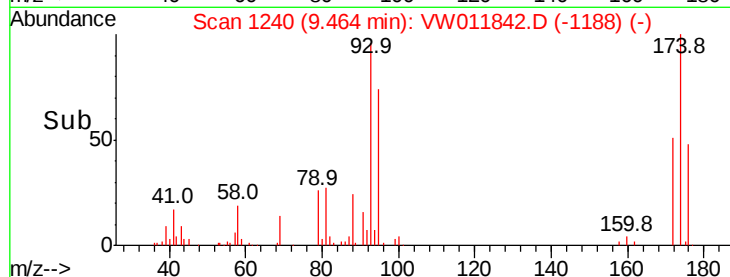
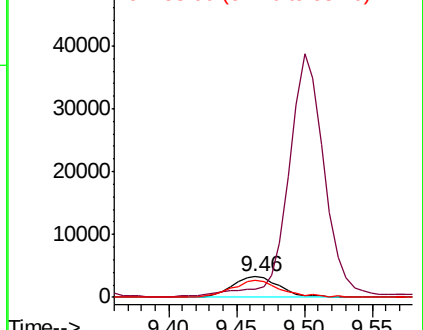
88 100

43 0.0 34.0 51.0#

58 88.1 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: 57.496 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011842.D

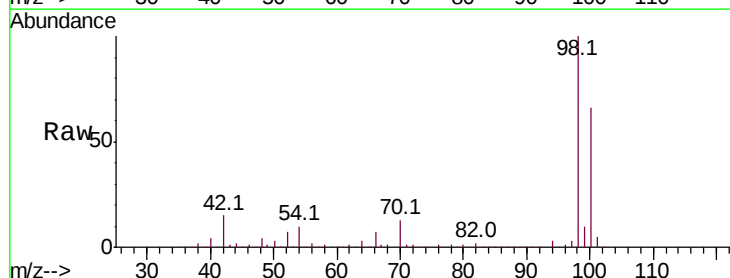
Acq: 12 Aug 2019 10:58

Tgt Ion: 98 Resp: 464525

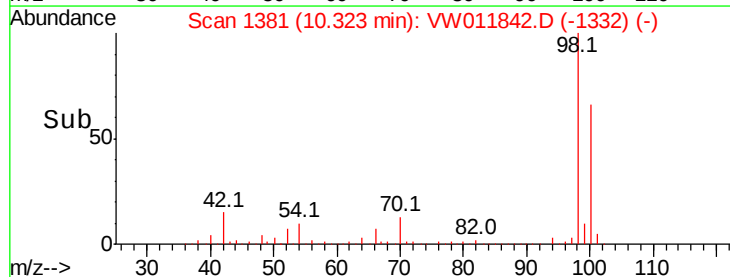
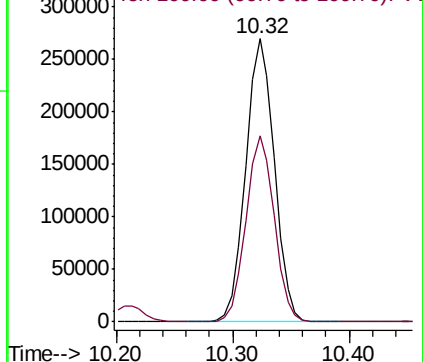
Ion Ratio Lower Upper

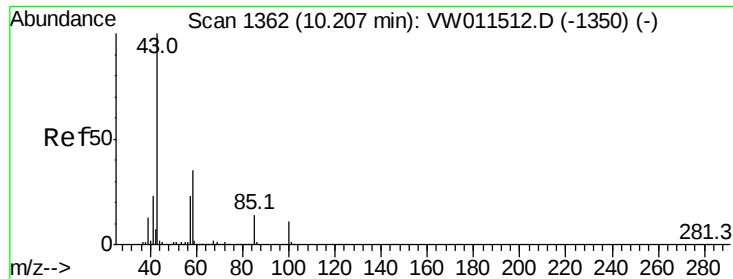
98 100

100 65.2 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: 115.423 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

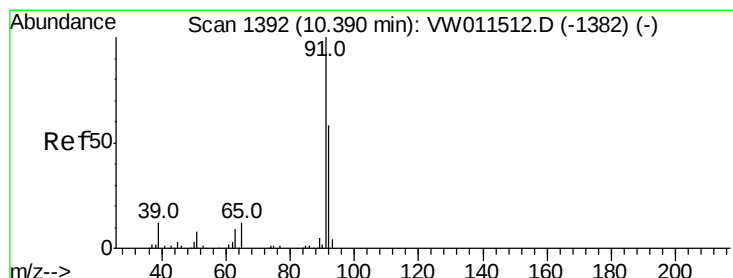
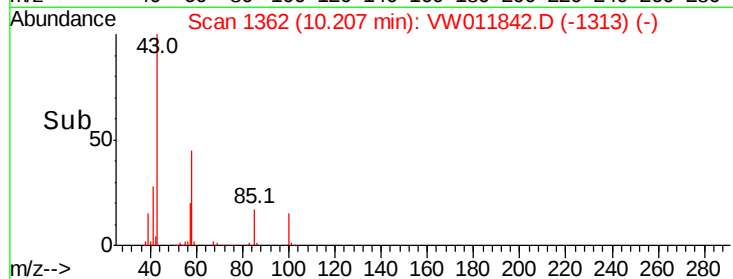
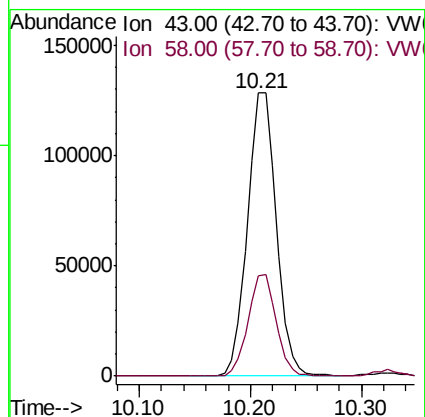
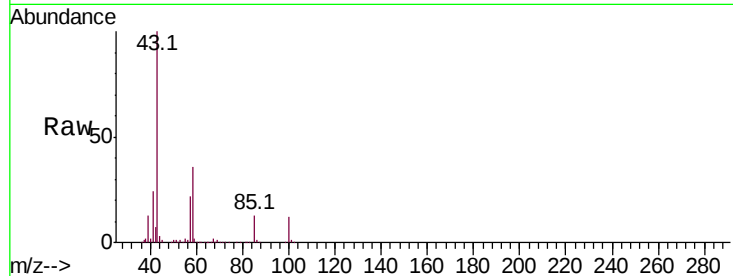
ClientSampled :

Tot Ion: 43 Resp: 232329

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 22.328 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011842.D

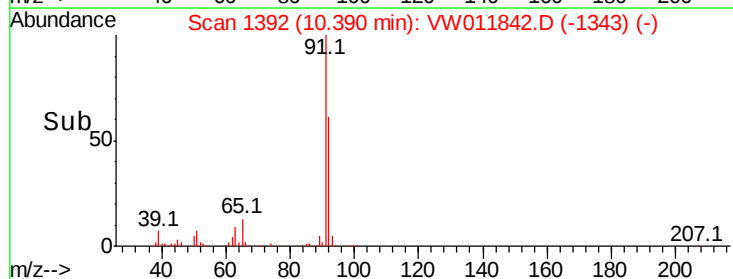
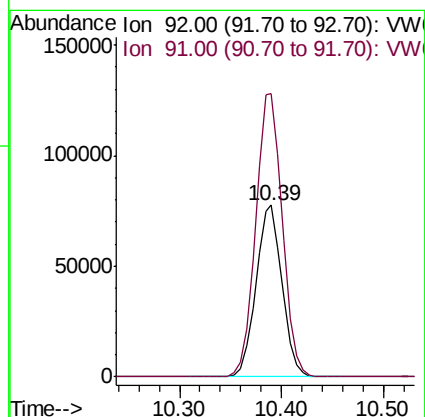
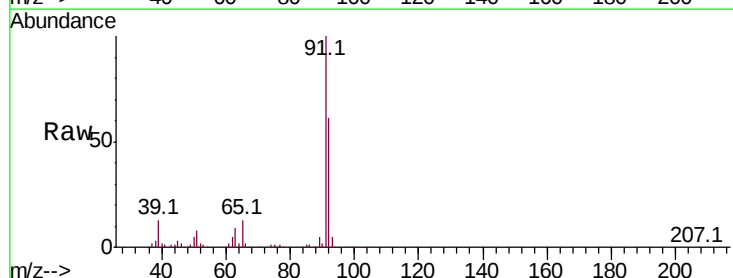
Acq: 12 Aug 2019 10:58

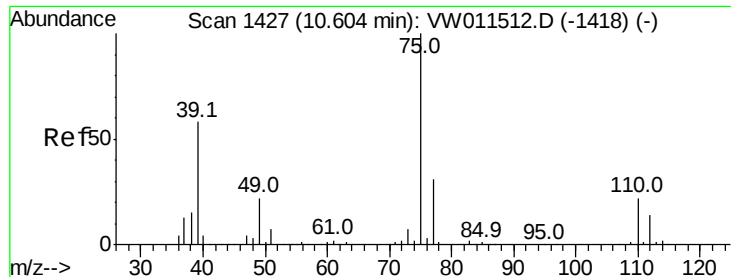
Tgt Ion: 92 Resp: 138134

Ion Ratio Lower Upper

92 100

91 168.6 136.7 205.1

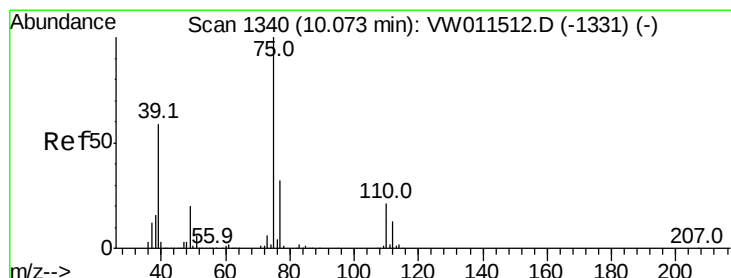
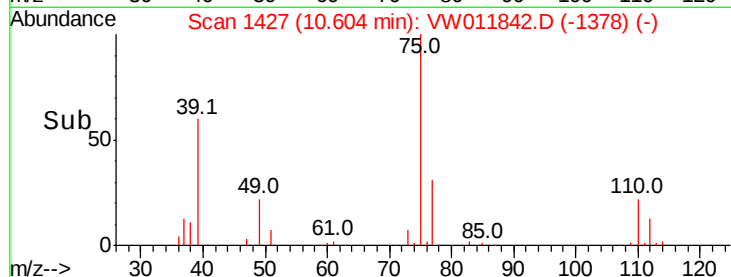
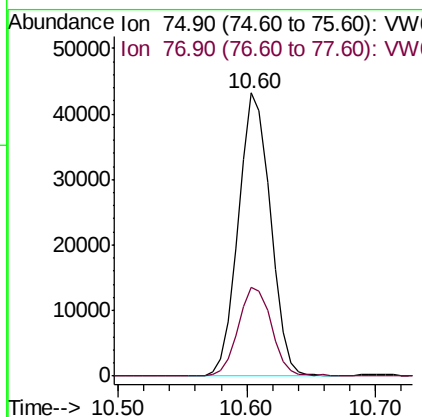
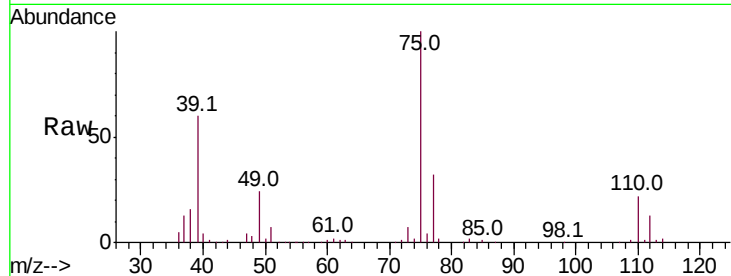




#53
t-1,3-Dichloropropene
Concen: 21.754 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

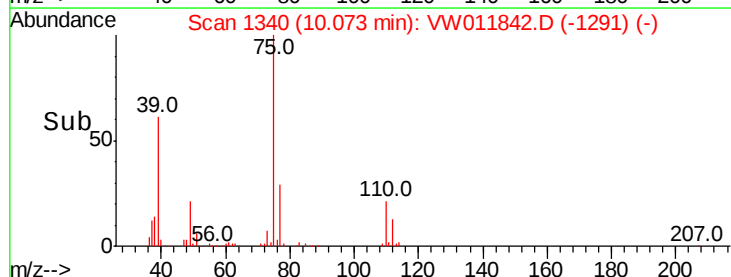
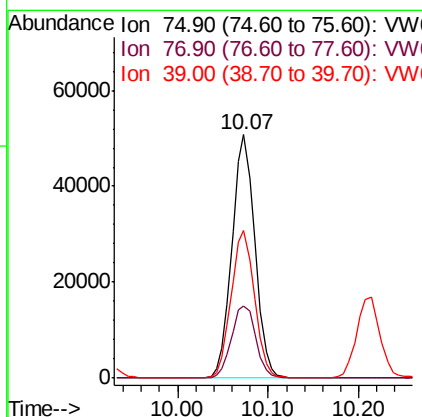
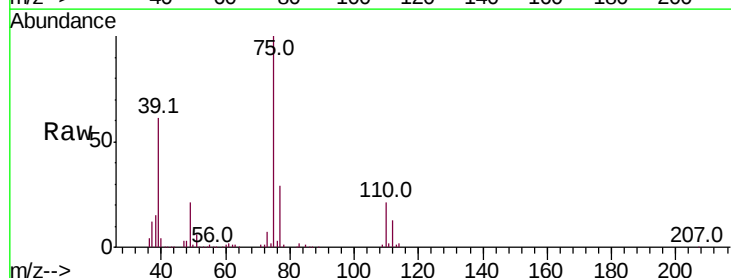
Instrument :
MSVOA_W
ClientSampled :

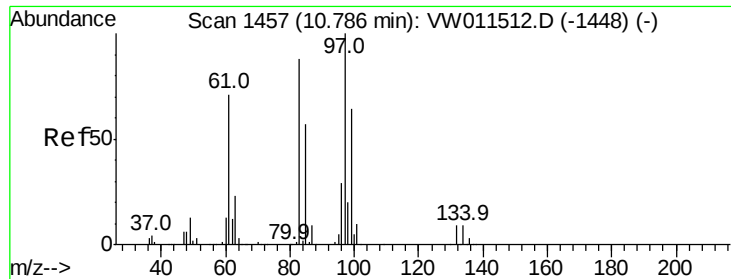
Tot Ion: 75 Resp: 74578
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 21.833 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 75 Resp: 88994
Ion Ratio Lower Upper
75 100
77 29.4 25.6 38.4
39 60.7 47.0 70.4

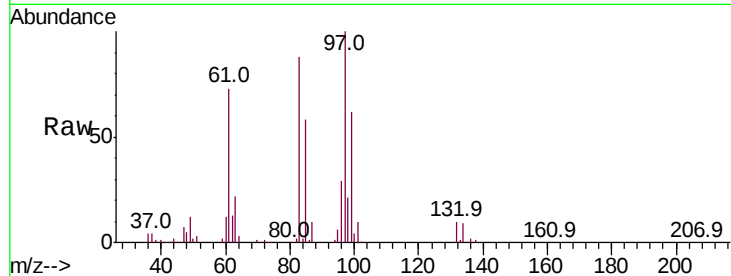




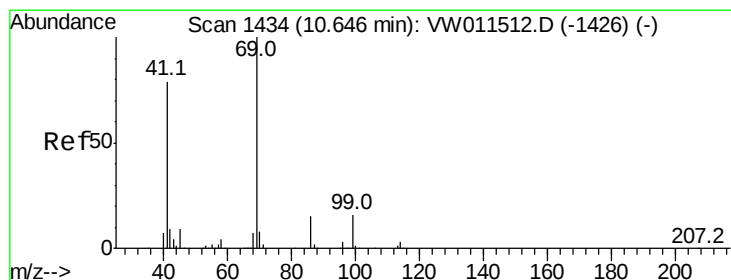
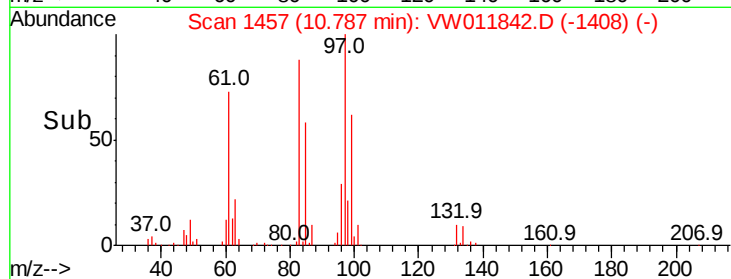
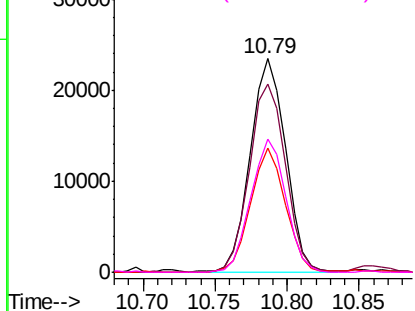
#55
 1,1,2-Trichloroethane
 Concen: 22.452 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	39854
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.5	105.7
85	58.2	45.8	68.6
99	62.1	51.0	76.4

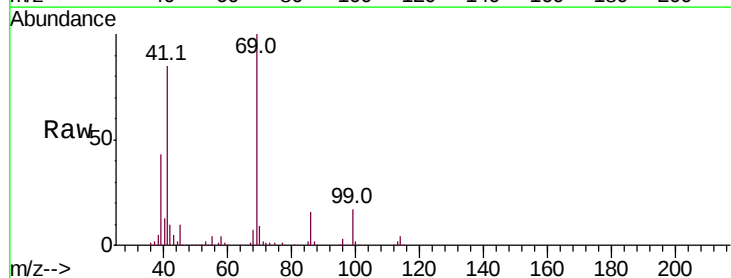


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

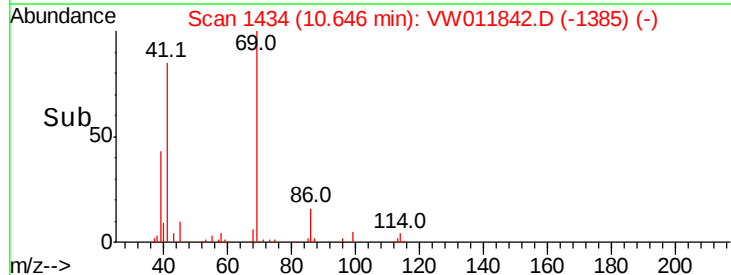
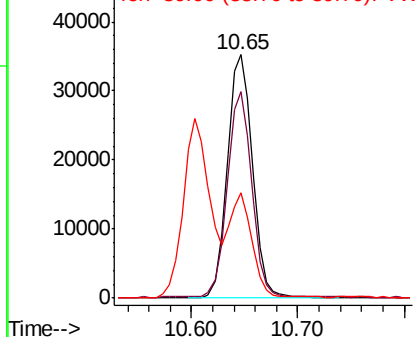


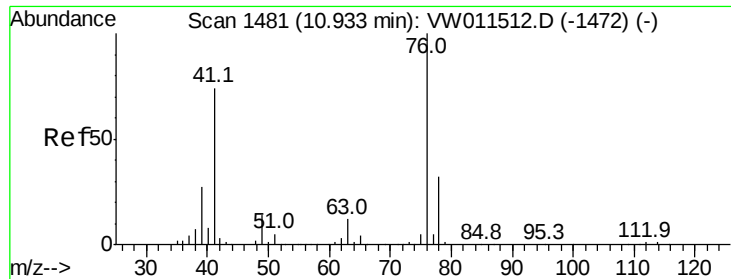
#56
 Ethyl methacrylate
 Concen: 22.491 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion:	69	Resp:	58421
Ion	Ratio	Lower	Upper
69	100		
41	81.8	66.6	99.8
39	38.6	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

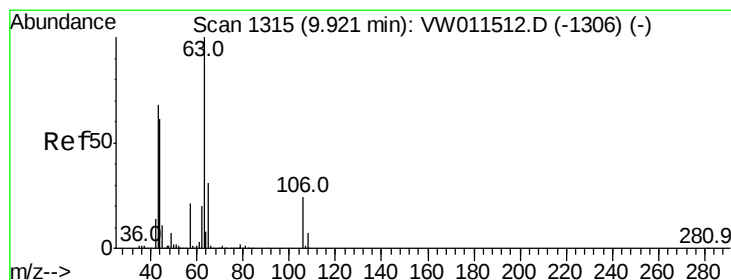
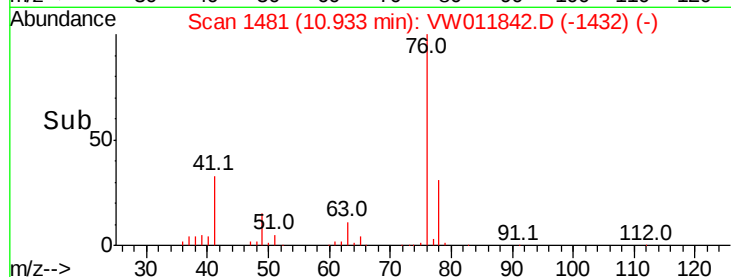
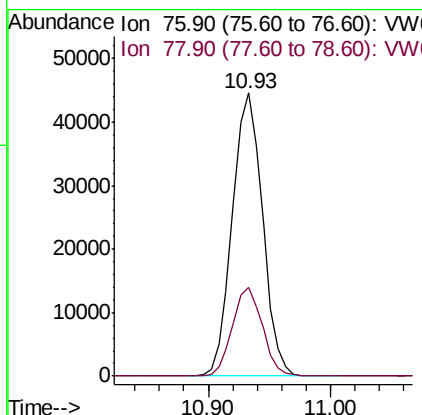
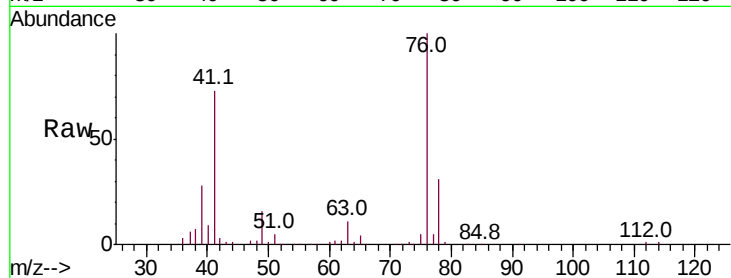




#57
 1,3-Dichloropropane
 Concen: 22.700 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

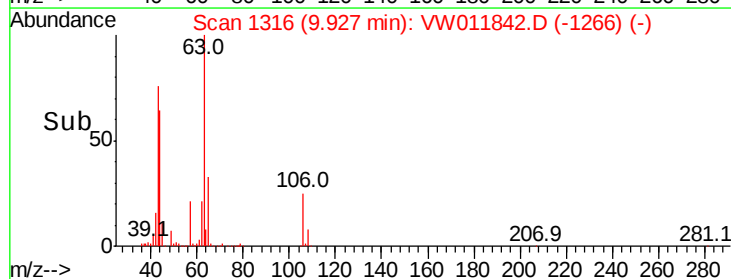
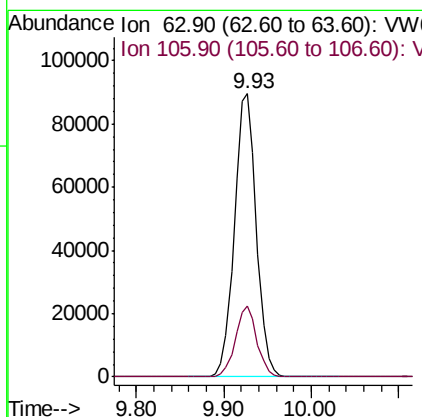
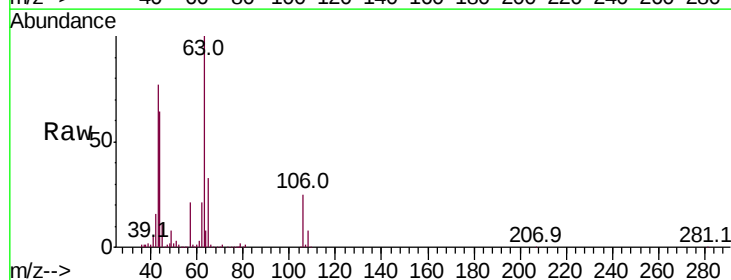
Instrument :
 MSVOA_W
 ClientSampleId :

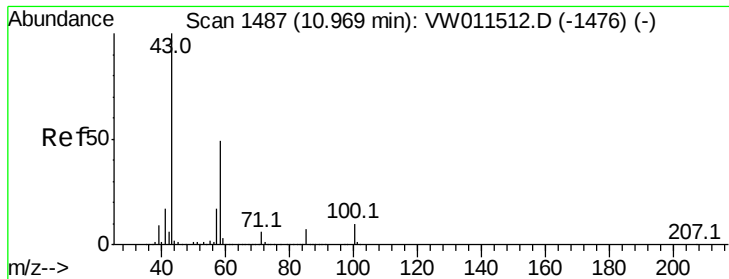
Tot Ion: 76 Resp: 76234
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.494 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion: 63 Resp: 156262
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

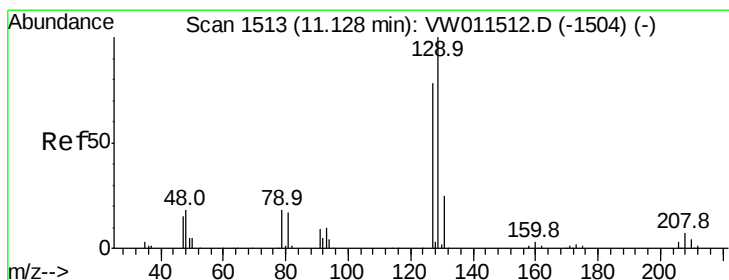
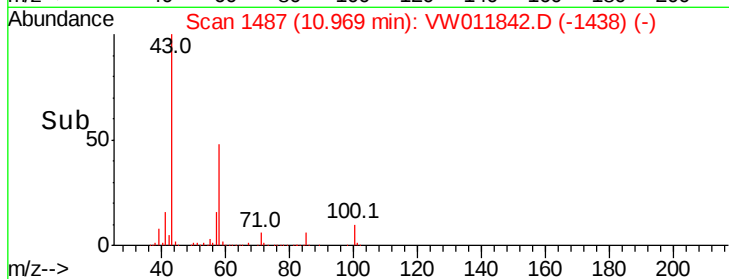
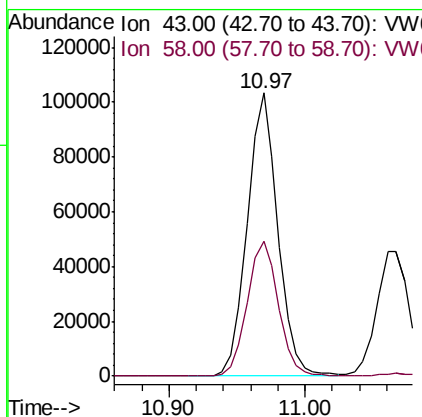
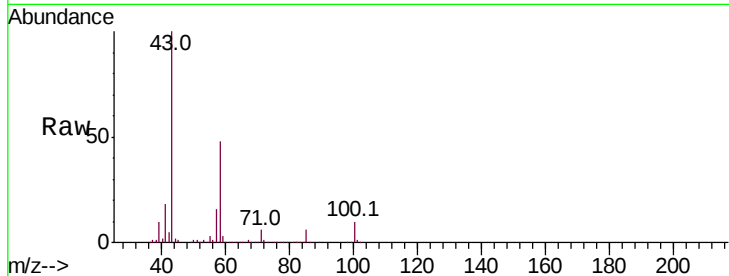




#59
2-Hexanone
Concen: 114.177 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

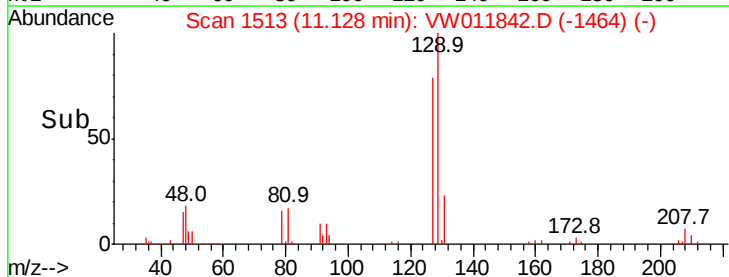
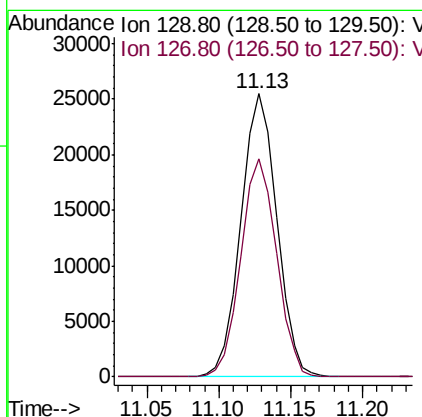
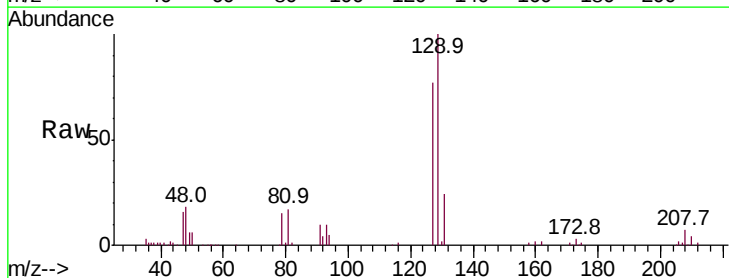
Instrument :
MSVOA_W
ClientSampled :

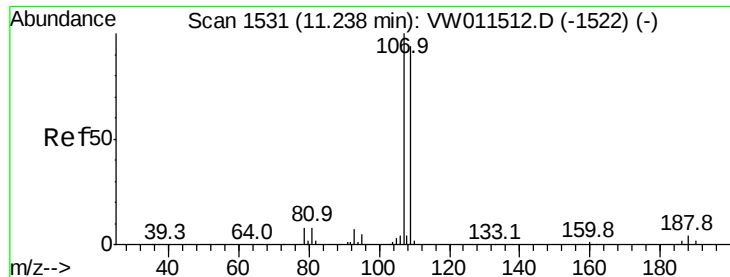
Tot Ion: 43 Resp: 162269
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 22.385 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 129 Resp: 44107
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7

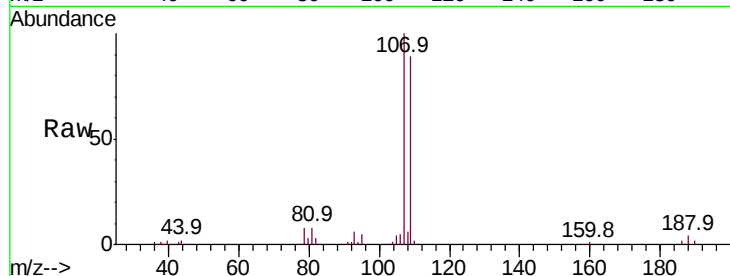




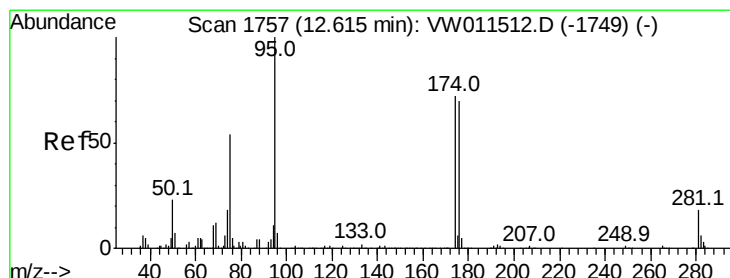
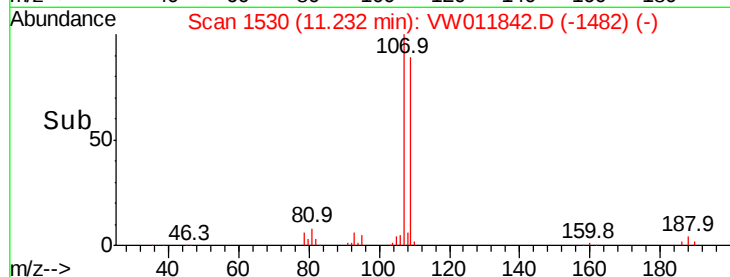
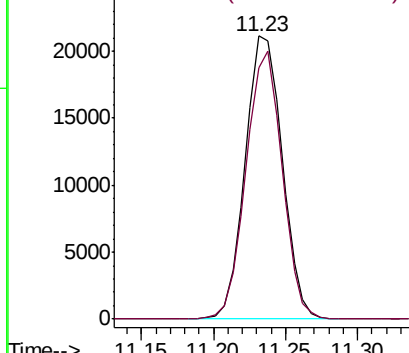
#61
 1,2-Dibromoethane
 Concen: 22.435 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:107 Resp: 37688
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.0 112.6

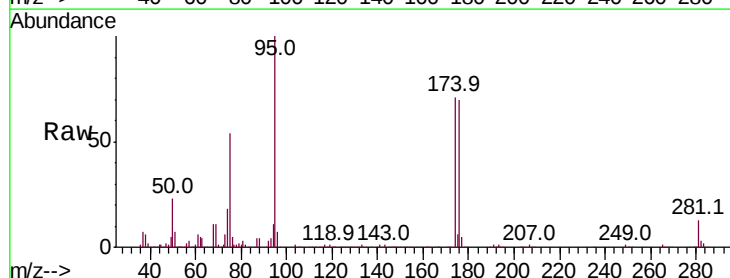


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

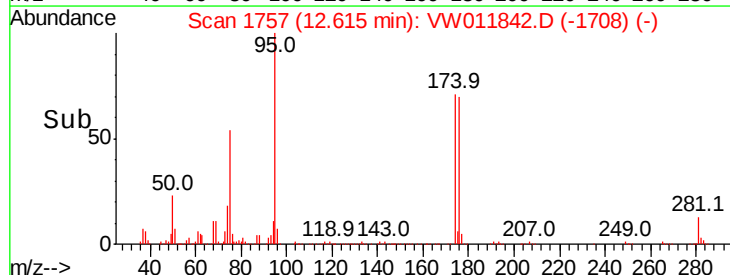
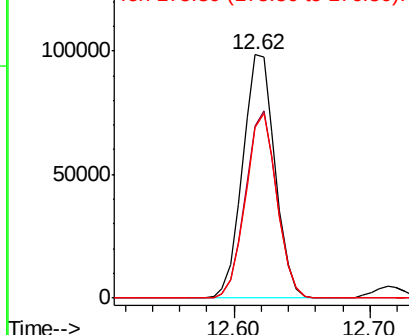


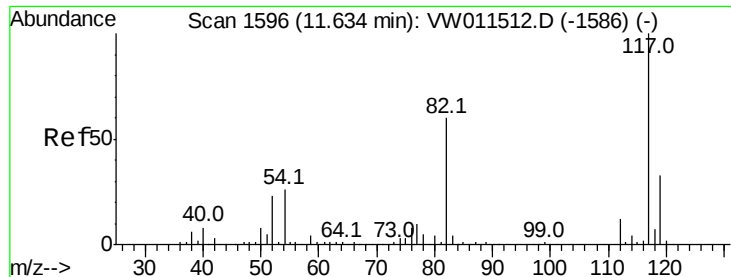
#62
 4-Bromofluorobenzene
 Concen: 56.836 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion: 95 Resp: 163709
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 150.2
 176 73.6 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

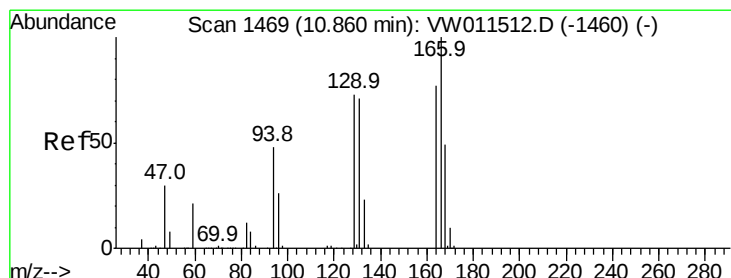
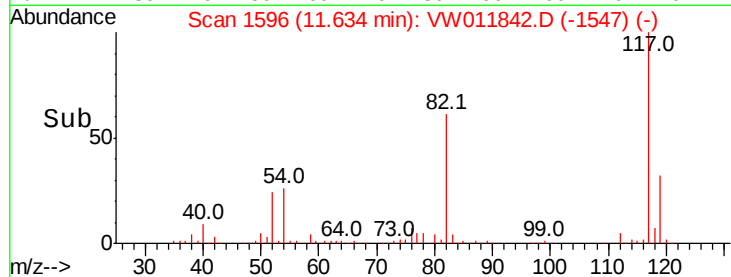
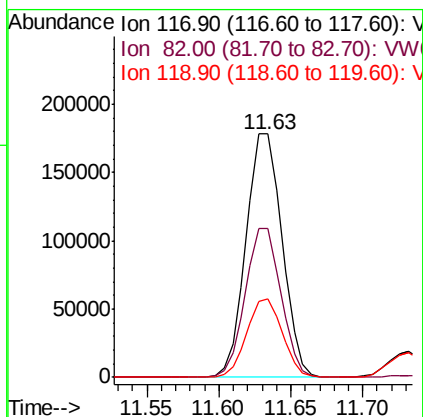
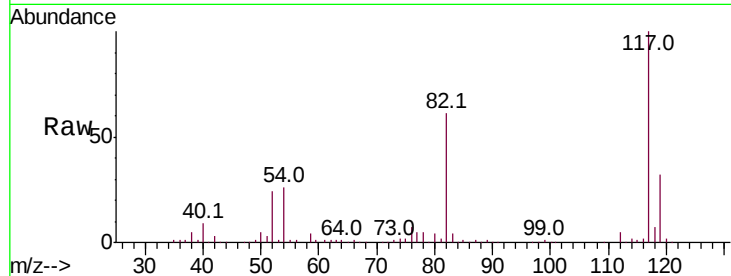




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

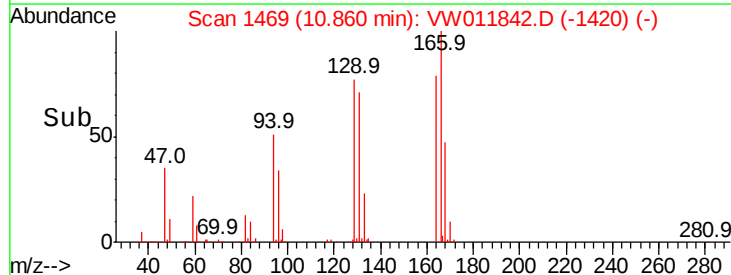
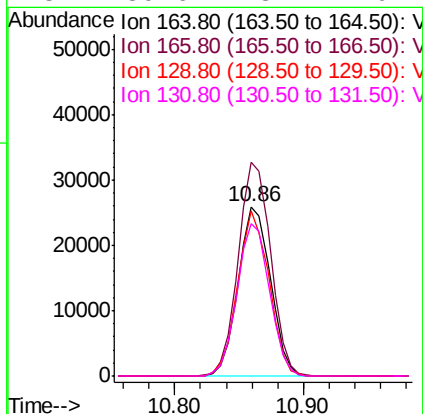
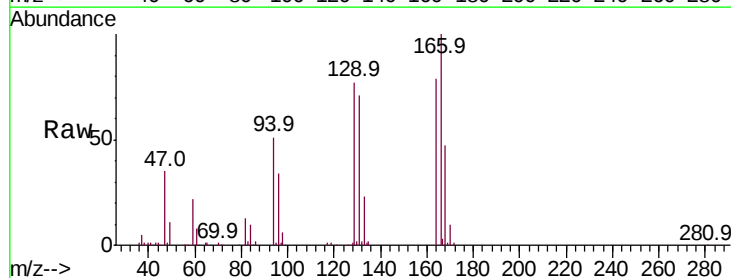
Instrument :
MSVOA_W
ClientSampleId :

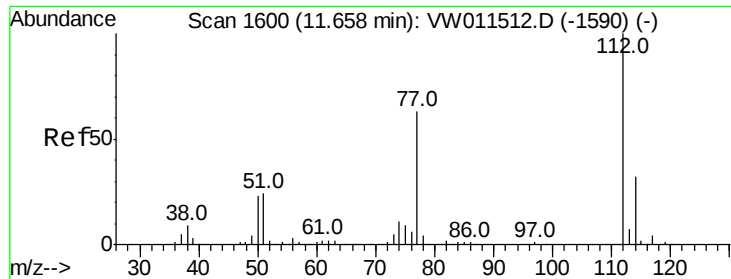
Tot Ion:117 Resp: 309620
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 22.234 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion:164 Resp: 44822
Ion Ratio Lower Upper
164 100
166 126.1 103.5 155.3
129 97.4 75.2 112.8
131 89.6 73.4 110.2

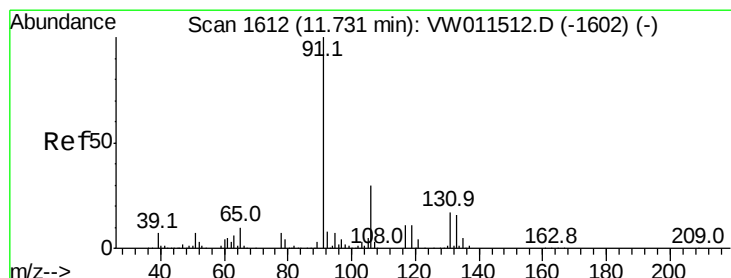
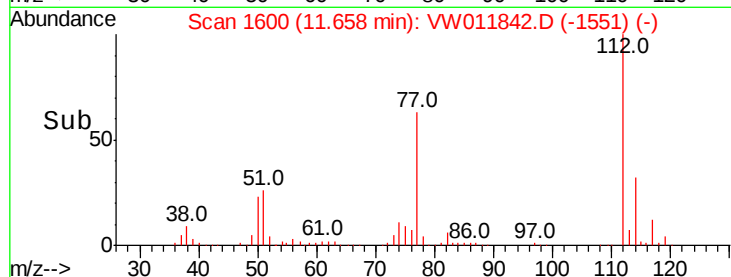
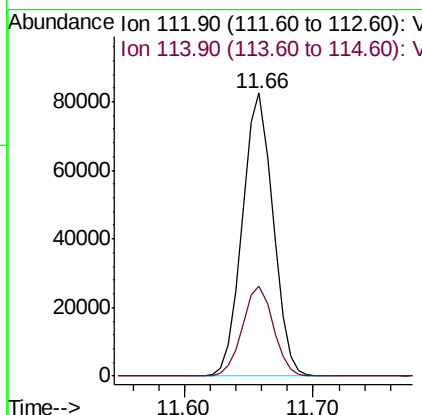
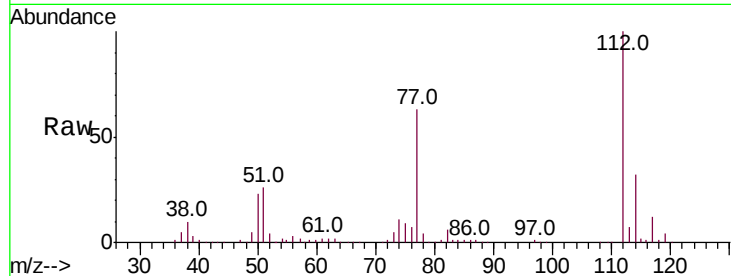




#65
Chlorobenzene
Concen: 21.767 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

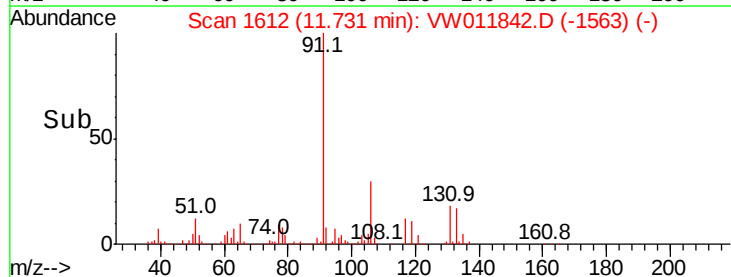
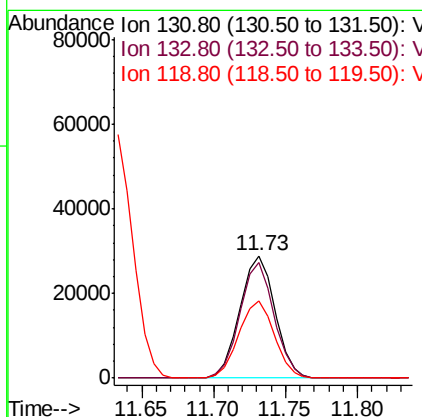
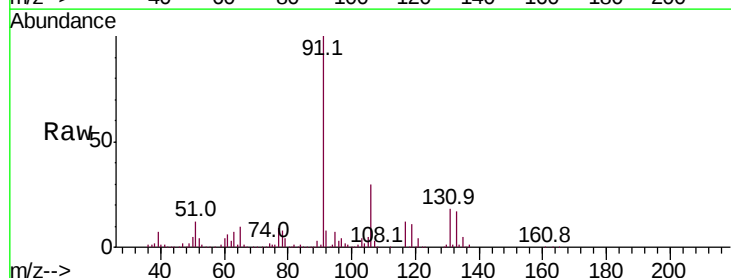
Instrument :
MSVOA_W
ClientSampled :

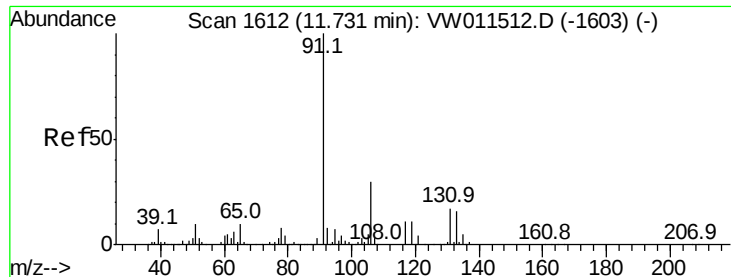
Tot Ion:112 Resp: 135497
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.462 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion:131 Resp: 48704
Ion Ratio Lower Upper
131 100
133 92.6 47.4 142.2
119 64.0 32.3 96.9

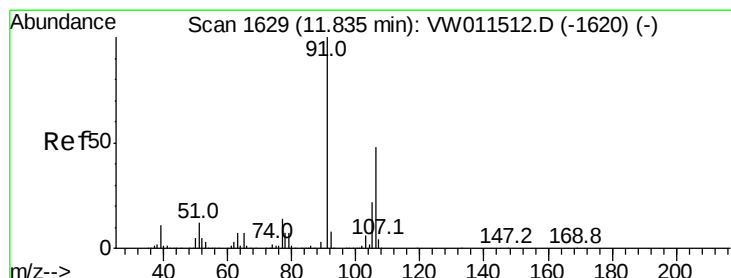
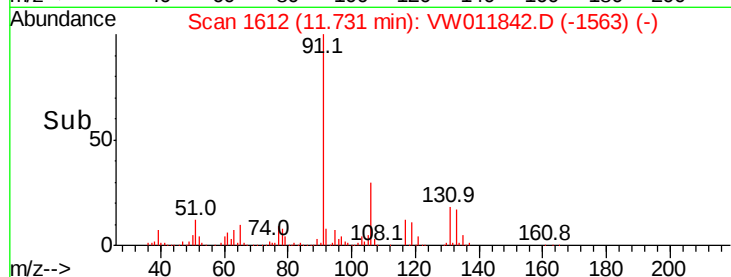
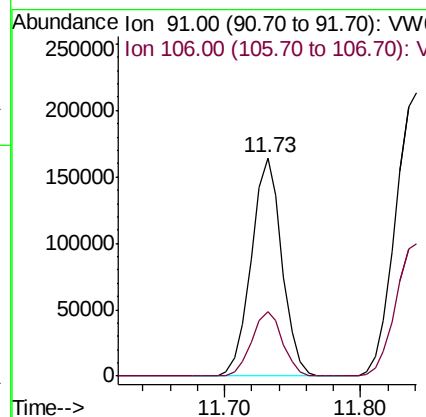
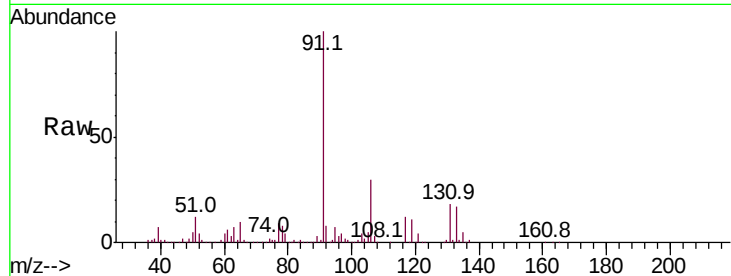




#67
Ethyl Benzene
Concen: 21.878 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

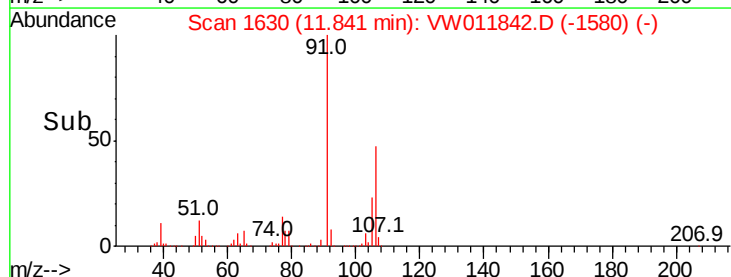
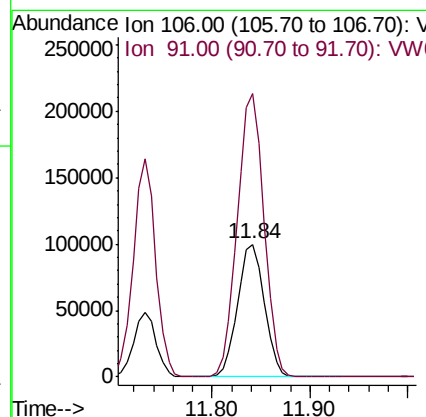
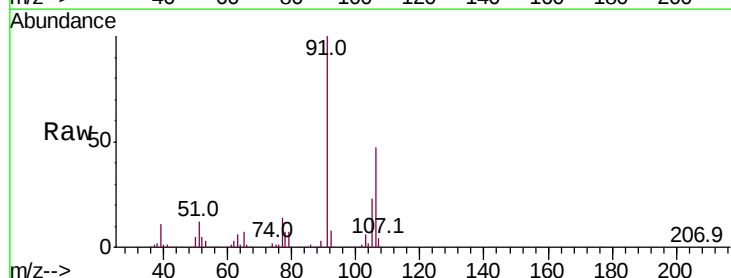
Instrument :
MSVOA_W
ClientSampled :

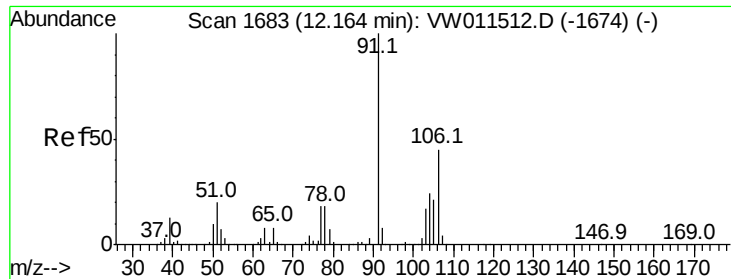
Tot Ion: 91 Resp: 259377
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 44.005 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 106 Resp: 189725
Ion Ratio Lower Upper
106 100
91 213.1 168.2 252.2

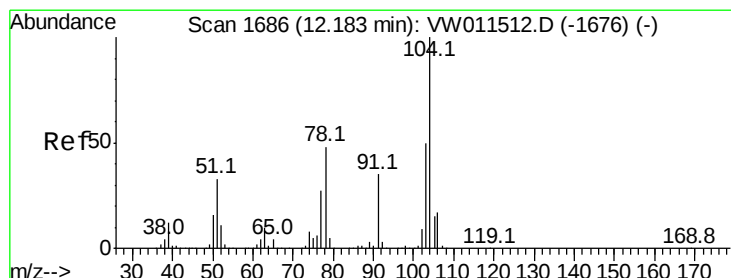
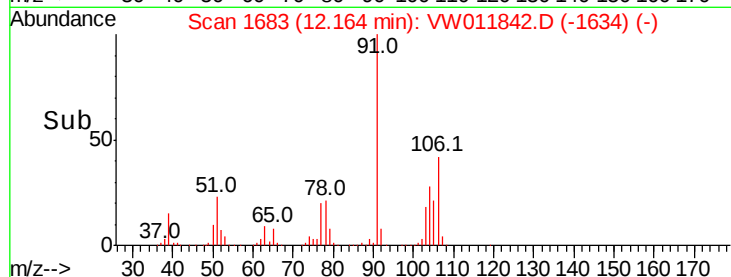
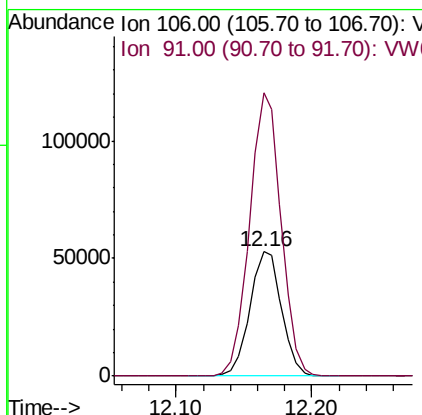
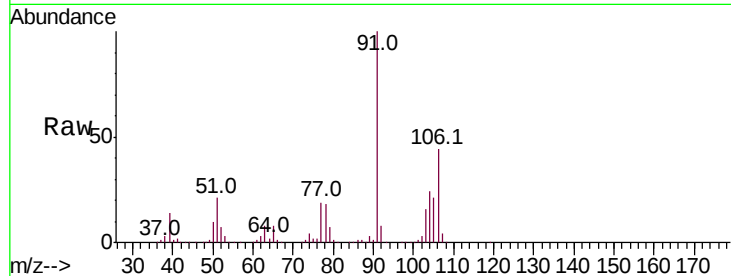




#69
o-Xylene
Concen: 21.565 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

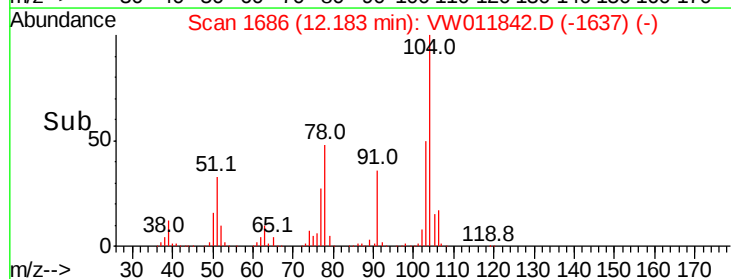
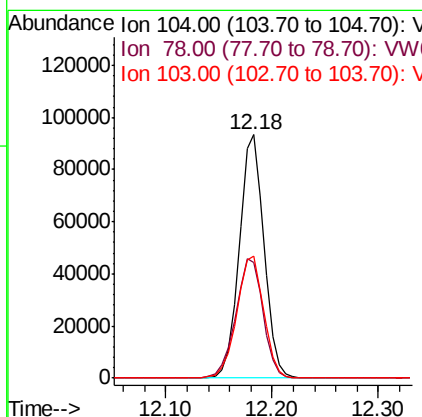
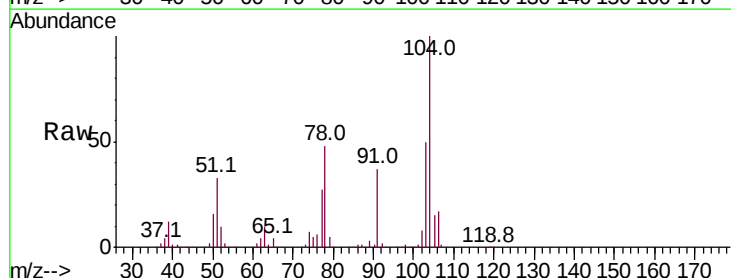
Instrument :
MSVOA_W
ClientSampled :

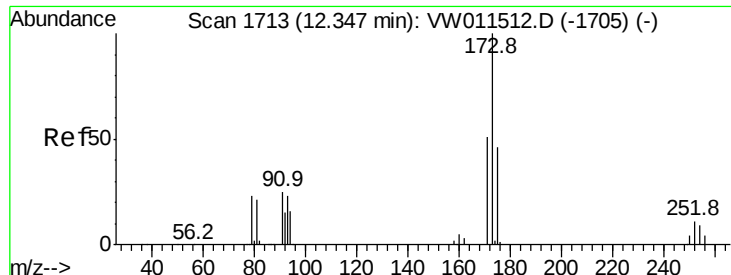
Tot Ion:106 Resp: 86401
Ion Ratio Lower Upper
106 100
91 226.4 110.5 331.5



#70
Styrene
Concen: 21.926 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion:104 Resp: 151887
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.0
103 54.7 43.9 65.9





#71

Bromoform

Concen: 22.443 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

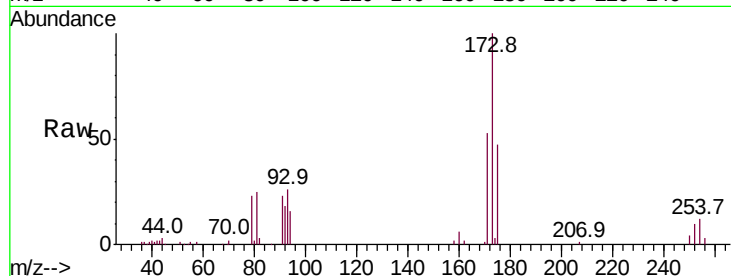
Tot Ion:173 Resp: 24811

Ion Ratio Lower Upper

173 100

175 48.9 23.6 71.0

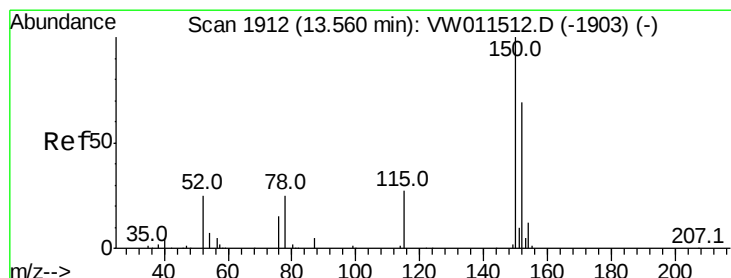
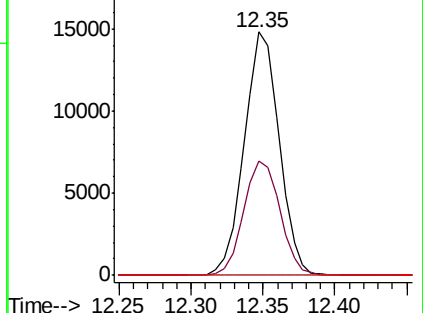
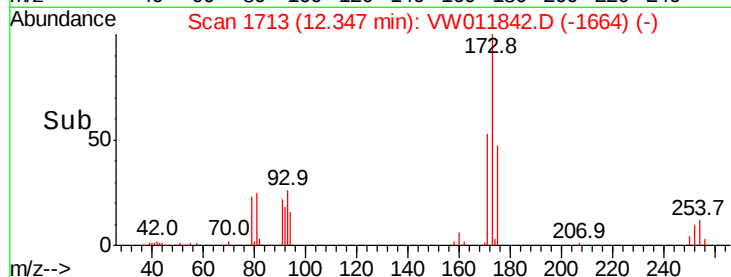
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

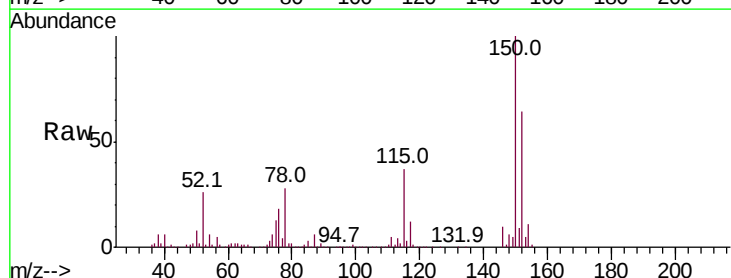
Tgt Ion:152 Resp: 151704

Ion Ratio Lower Upper

152 100

115 60.0 30.5 91.5

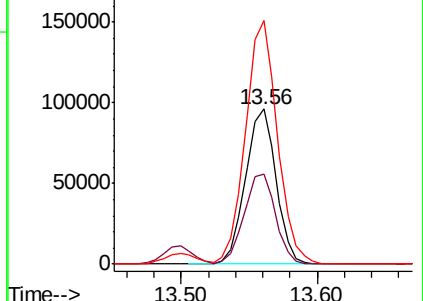
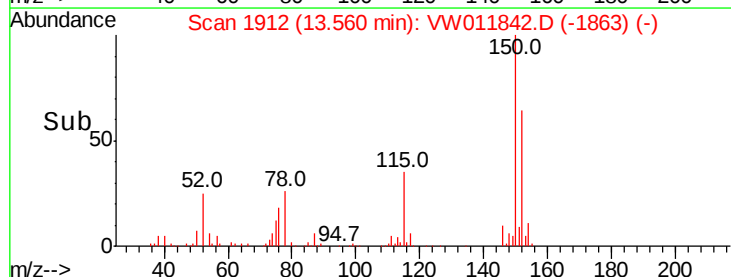
150 163.0 0.0 352.6

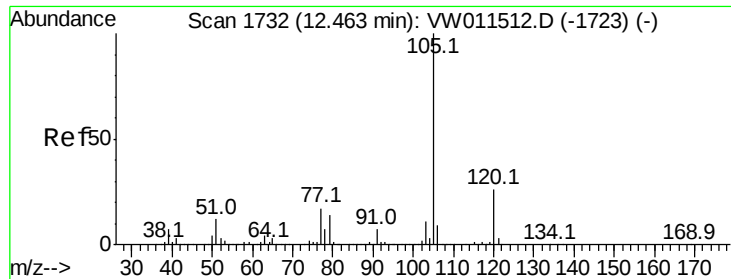


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.863 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

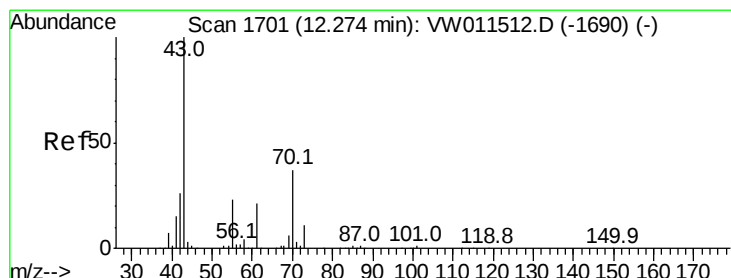
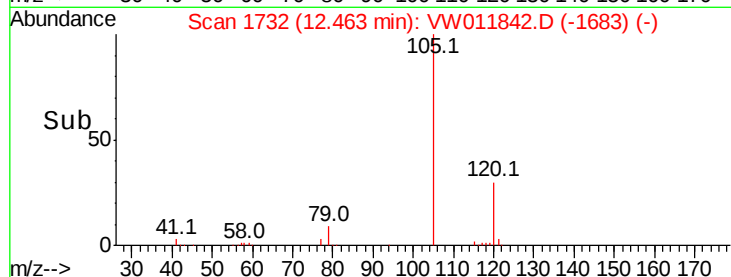
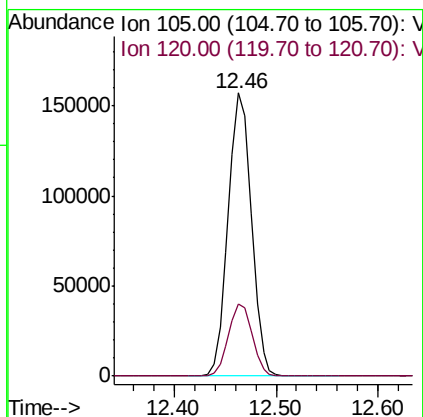
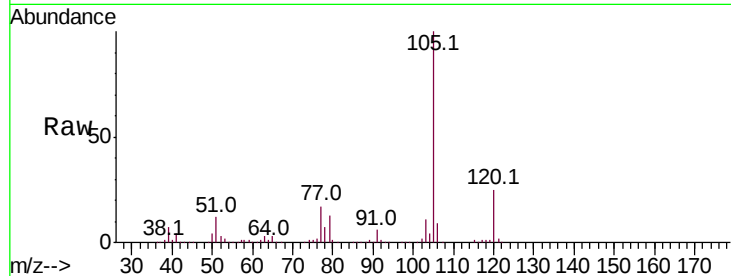
ClientSampleId :

Tot Ion:105 Resp: 247439

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



#74

N-ethyl acetate

Concen: 22.396 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Tgt Ion: 43 Resp: 79356

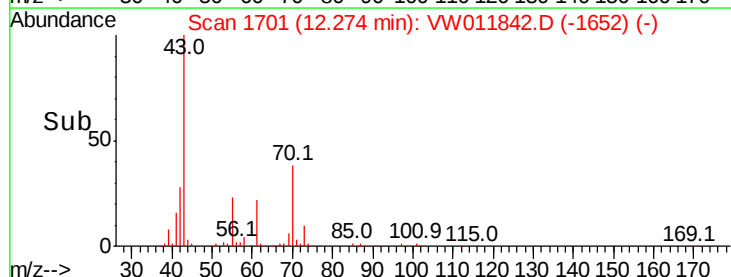
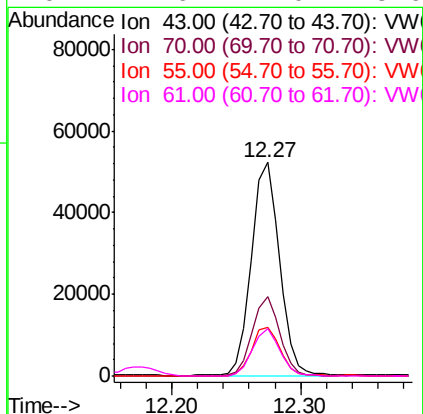
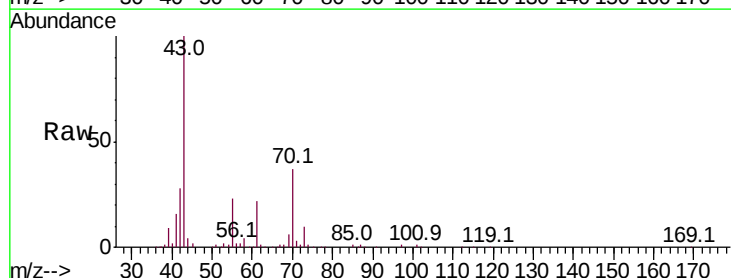
Ion Ratio Lower Upper

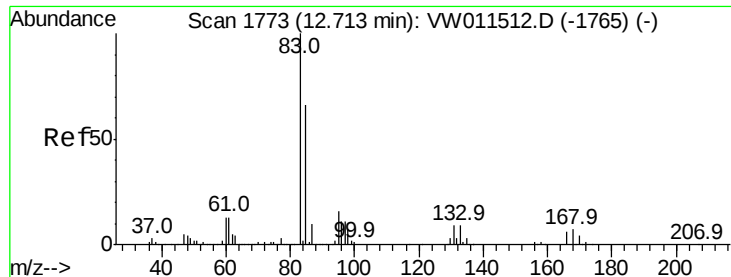
43 100

70 35.9 28.6 43.0

55 22.9 17.8 26.8

61 21.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.165 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

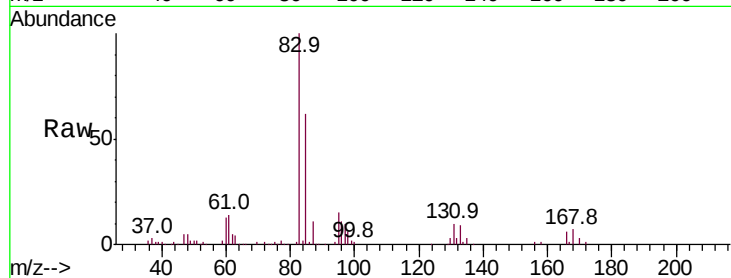
Tot Ion: 83 Resp: 49314

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

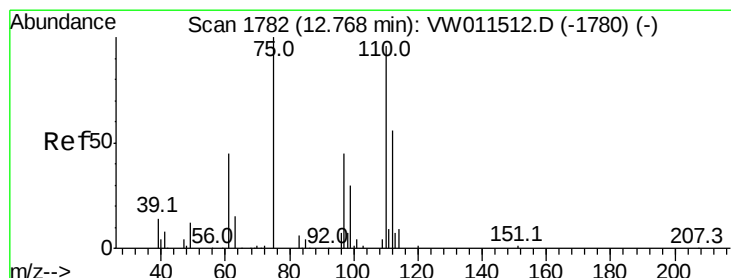
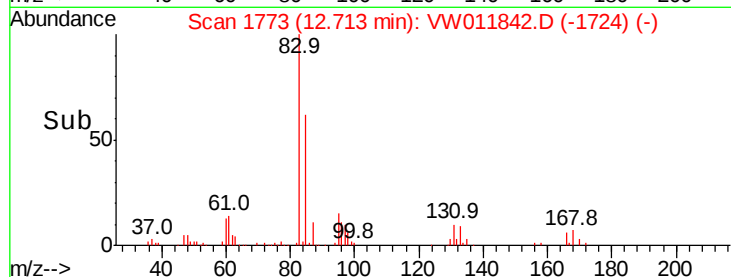
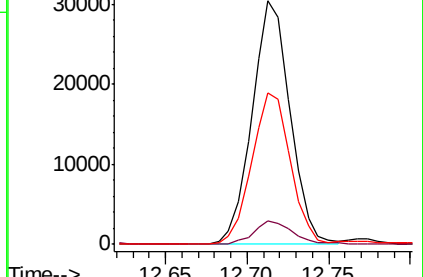
85 62.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.727 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011842.D

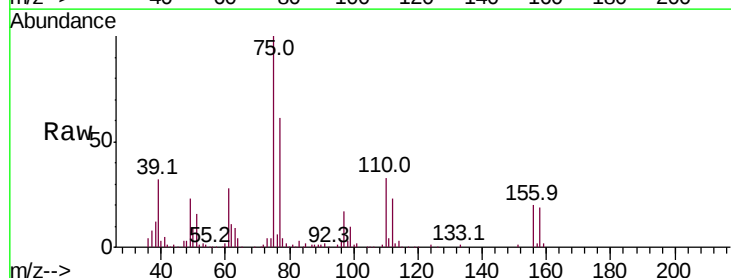
Acq: 12 Aug 2019 10:58

Tgt Ion: 75 Resp: 65375

Ion Ratio Lower Upper

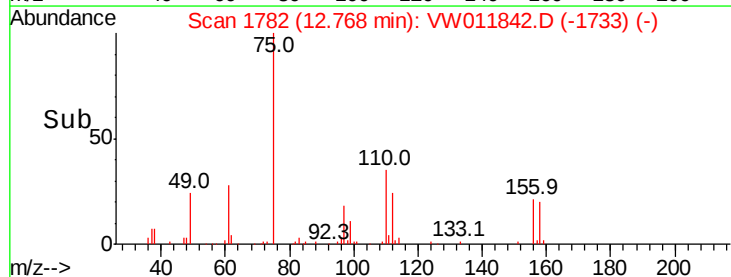
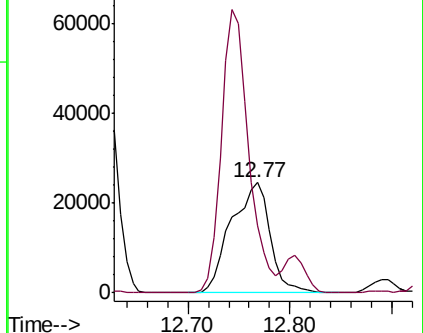
75 100

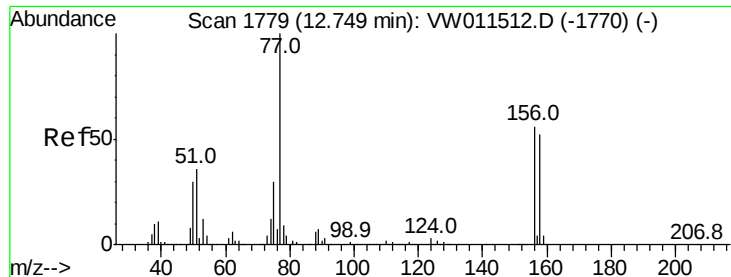
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.470 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

ClientSampleId :

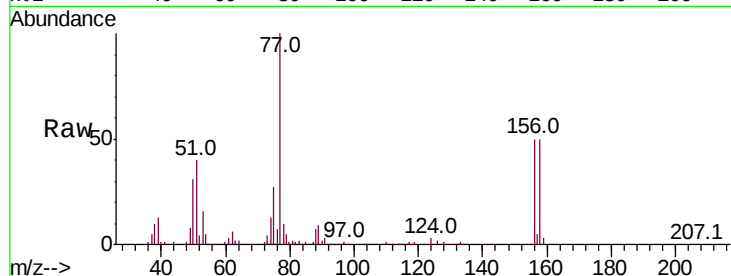
Tot Ion:156 Resp: 53708

Ion Ratio Lower Upper

156 100

77 218.7 106.5 319.4

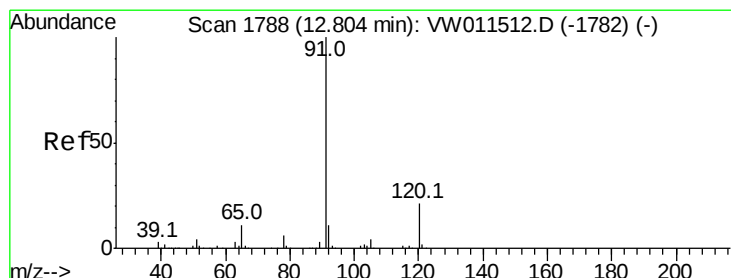
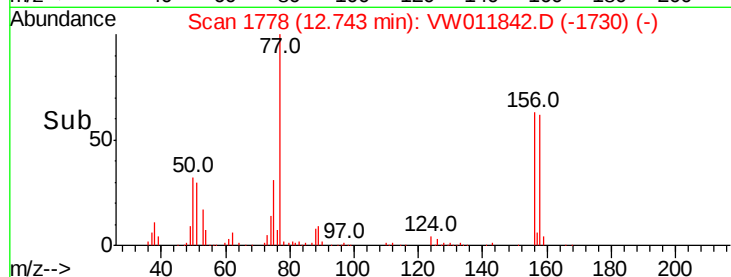
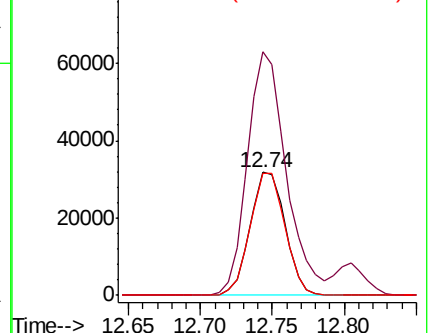
158 98.4 48.0 144.2



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: 22.053 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011842.D

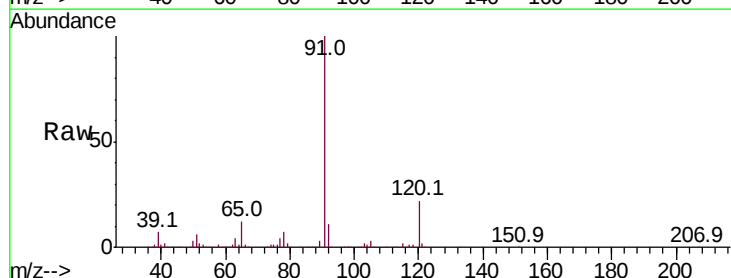
Acq: 12 Aug 2019 10:58

Tgt Ion: 91 Resp: 303752

Ion Ratio Lower Upper

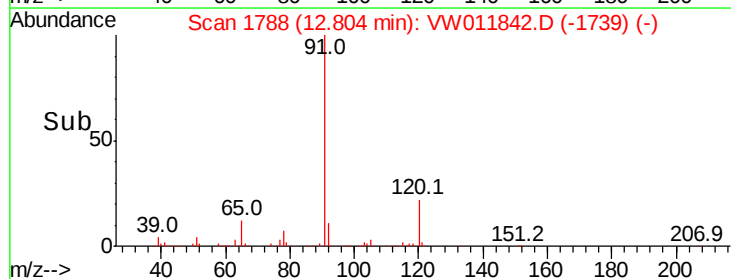
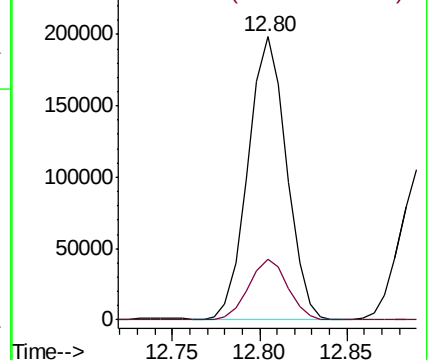
91 100

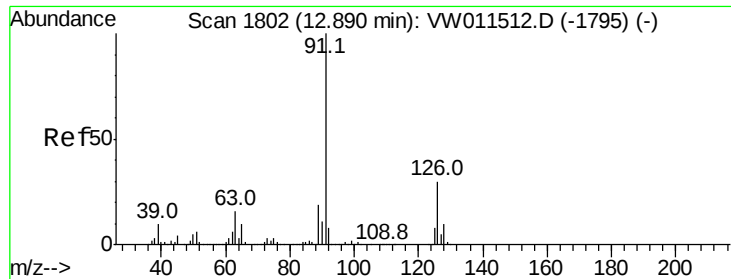
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.711 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011842.D

Acq: 12 Aug 2019 10:58

Instrument :

MSVOA_W

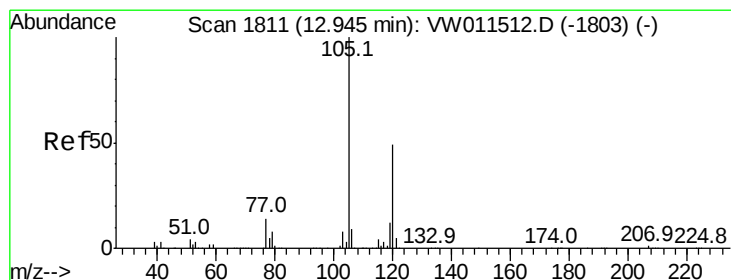
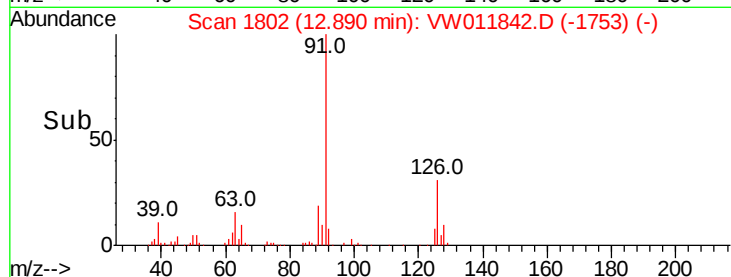
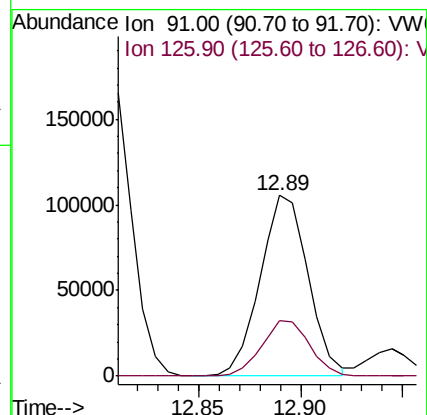
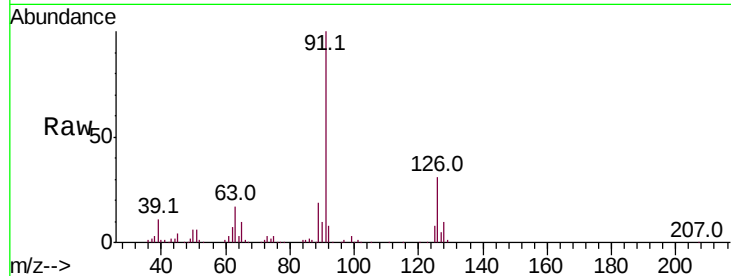
ClientSampleId :

Tot Ion: 91 Resp: 172273

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.184 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011842.D

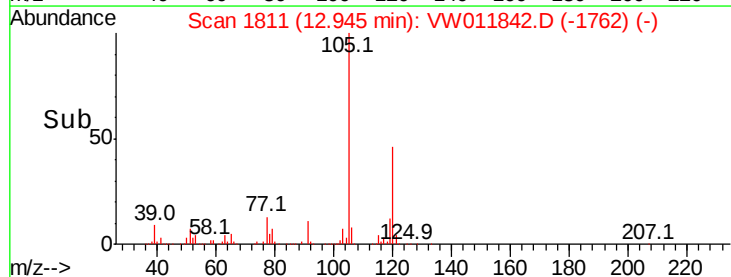
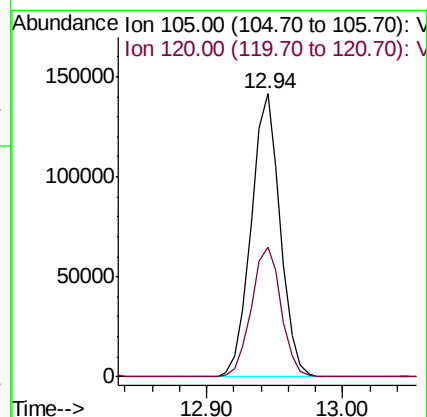
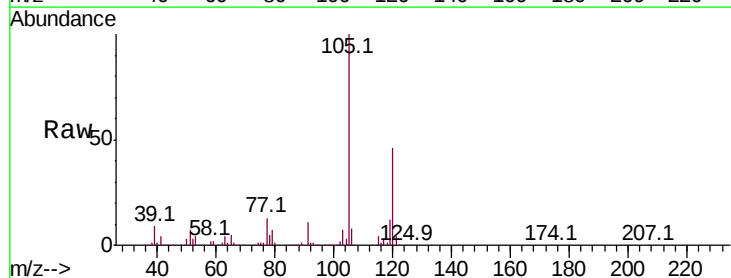
Acq: 12 Aug 2019 10:58

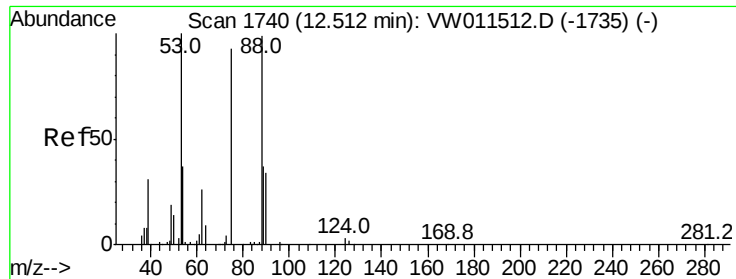
Tgt Ion:105 Resp: 210456

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.3

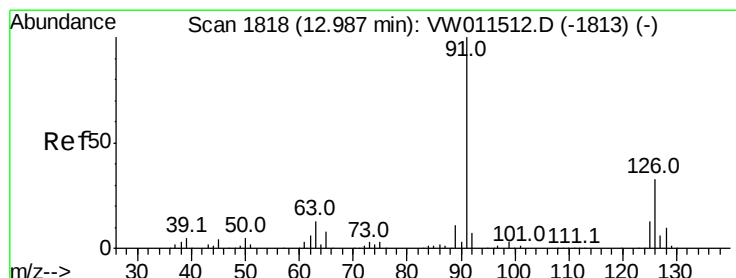
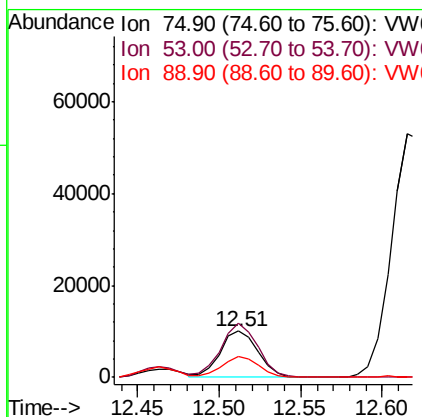
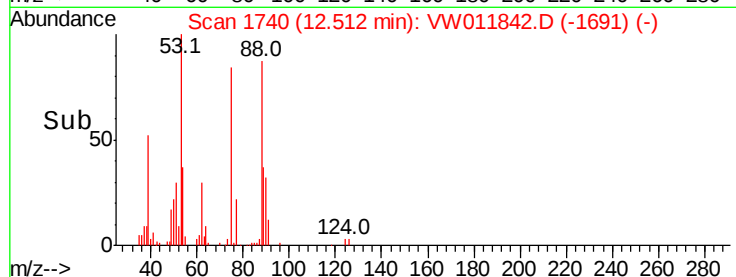
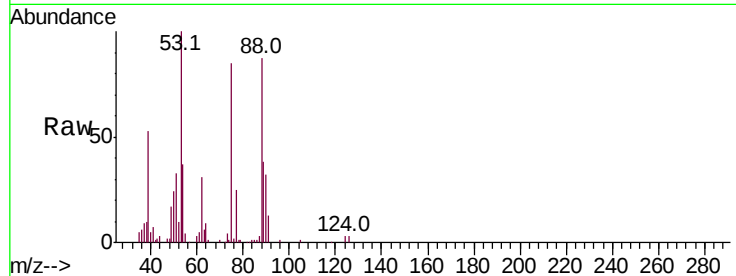




#81
trans-1,4-Dichloro-2-butene
Concen: 23.322 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

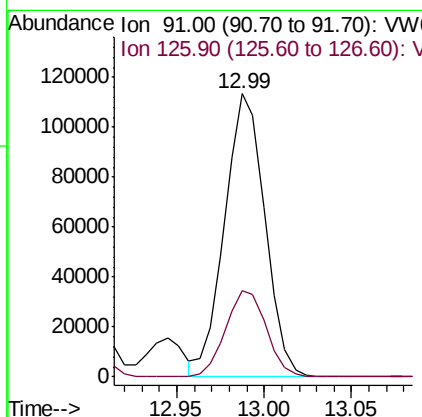
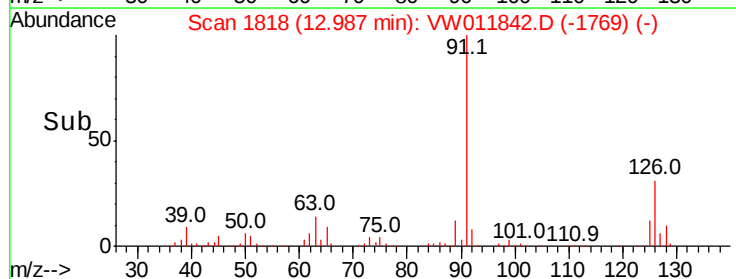
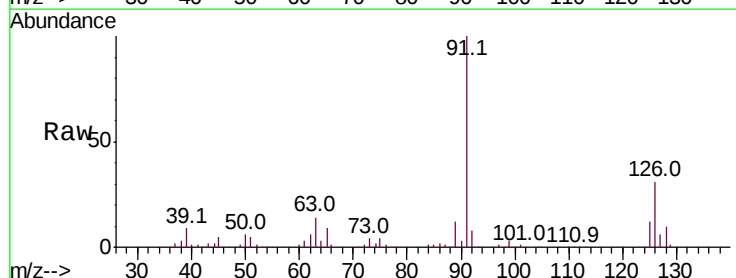
Instrument :
MSVOA_W
ClientSampleId :

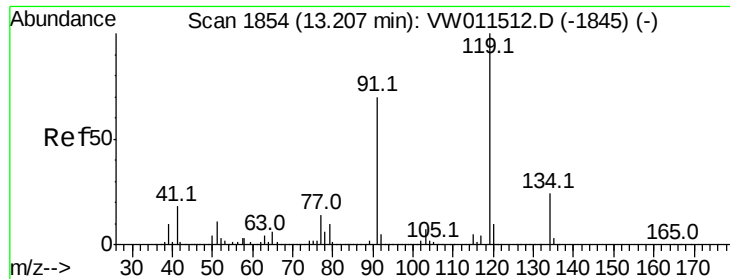
Tot Ion: 75 Resp: 16244
Ion Ratio Lower Upper
75 100
53 115.4 88.0 132.0
89 44.0 35.3 52.9



#82
4-Chlorotoluene
Concen: 21.817 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion: 91 Resp: 181633
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.8

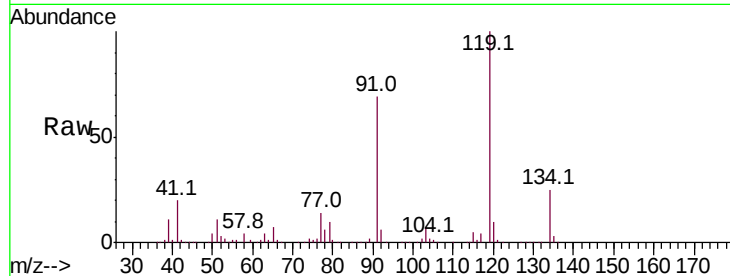




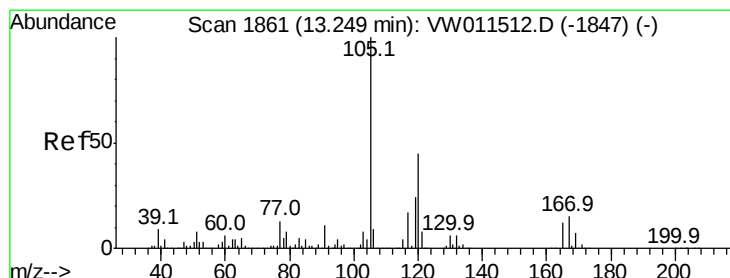
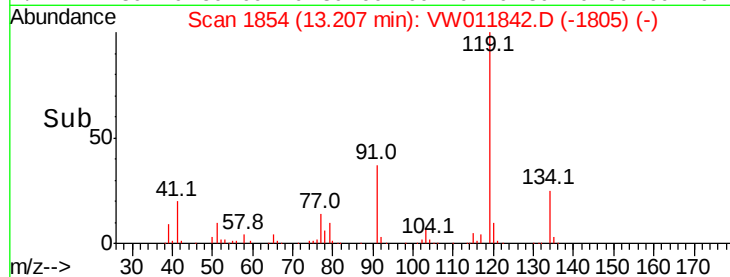
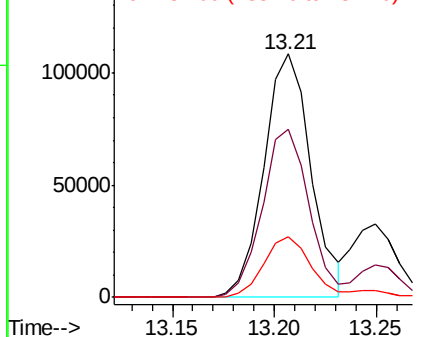
#83
tert-Butylbenzene
Concen: 21.995 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 174494
Ion Ratio Lower Upper
119 100
91 68.6 34.5 103.6
134 25.1 12.4 37.4

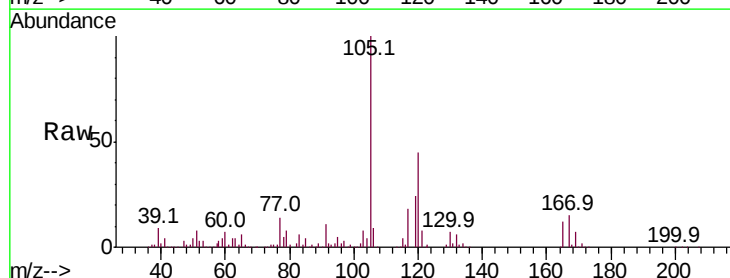


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

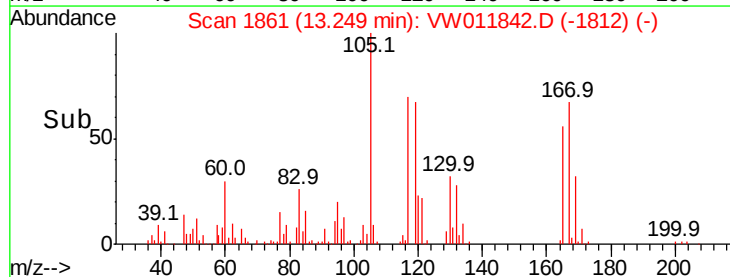
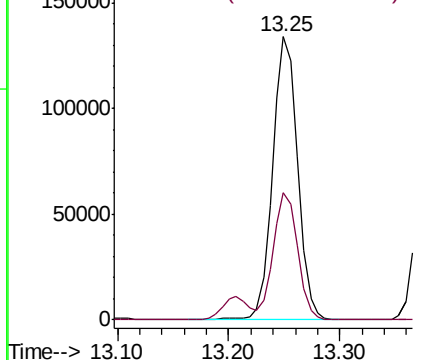


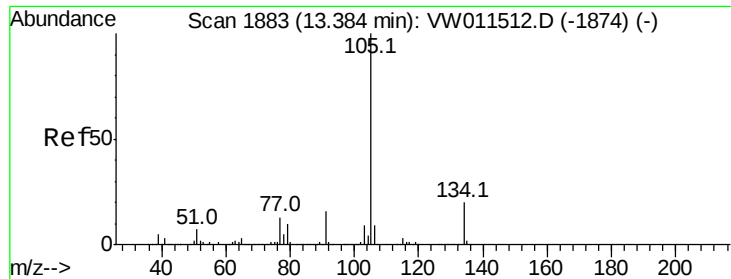
#84
1,2,4-Trimethylbenzene
Concen: 21.803 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion:105 Resp: 208366
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.5



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

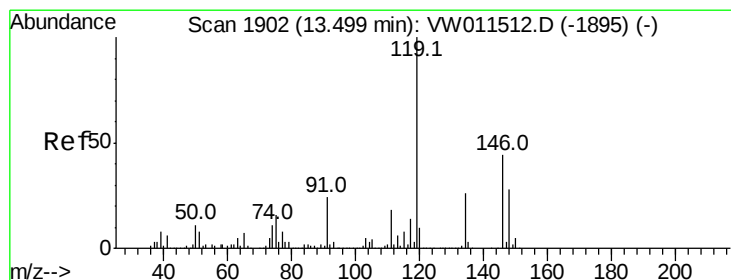
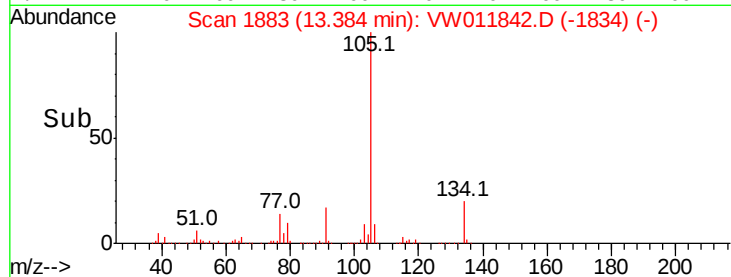
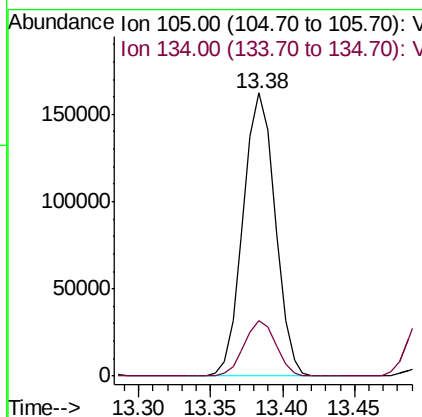
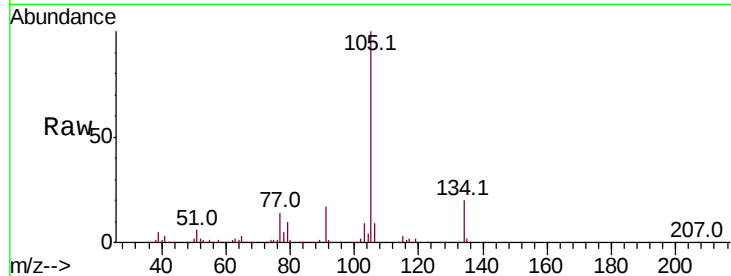




#85
 sec-Butylbenzene
 Concen: 22.126 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

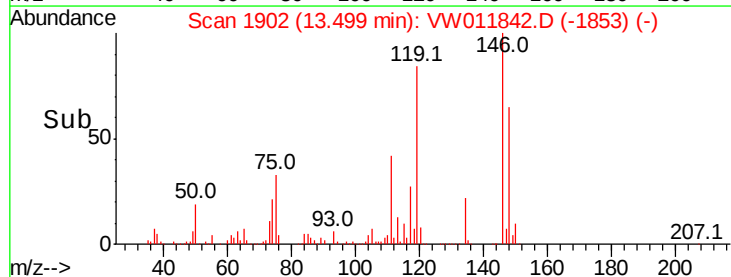
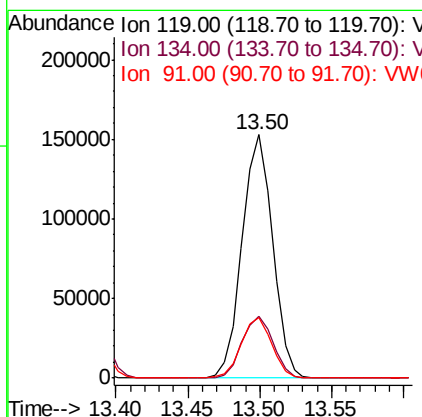
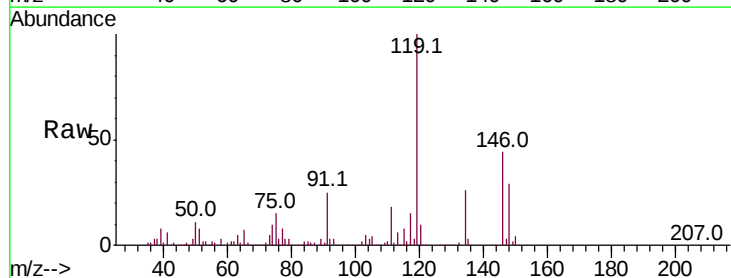
Instrument :
 MSVOA_W
 ClientSampleId :

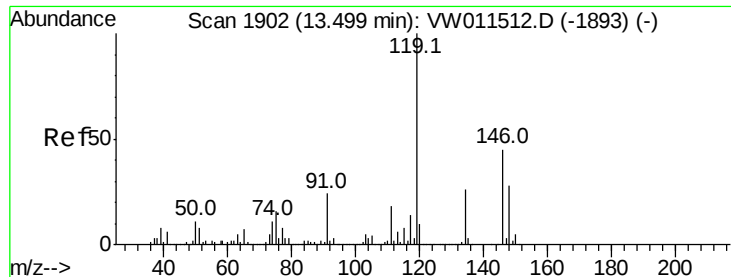
Tot Ion:105 Resp: 250459
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.845 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion:119 Resp: 224360
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.4
 91 24.9 12.1 36.3

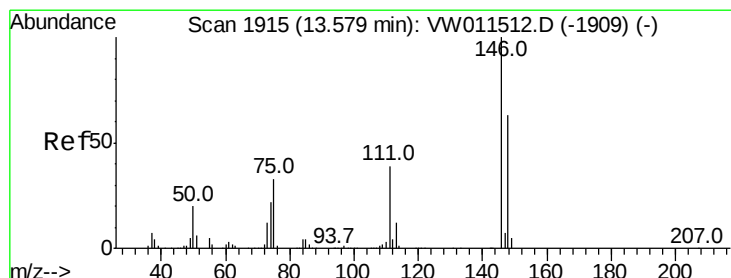
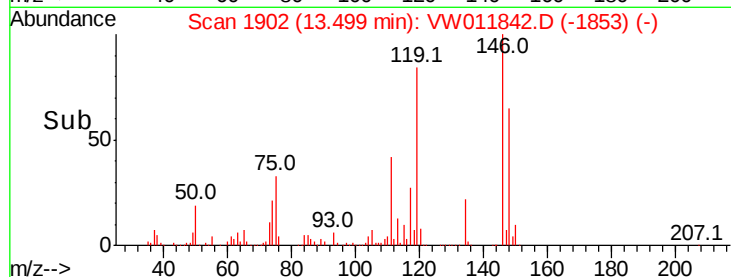
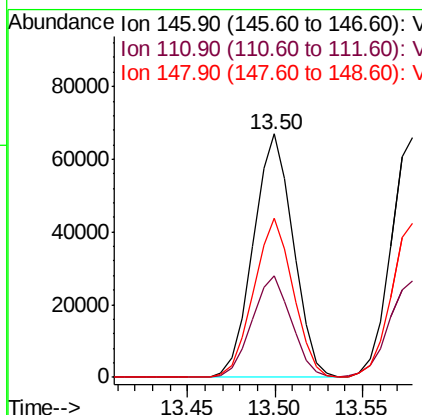
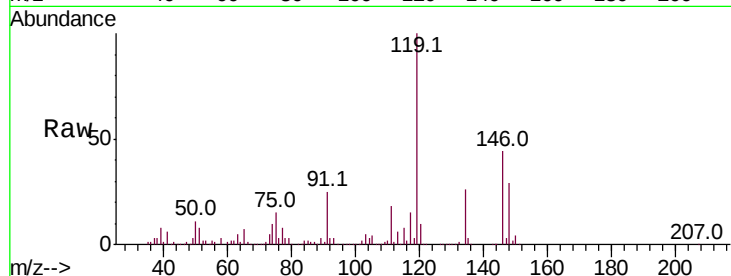




#87
 1,3-Dichlorobenzene
 Concen: 21.689 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

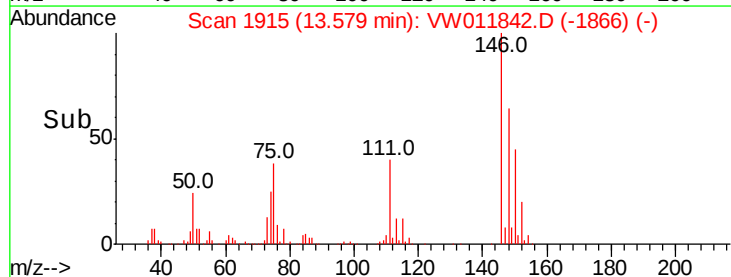
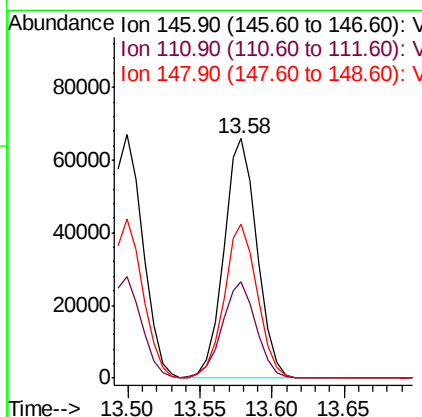
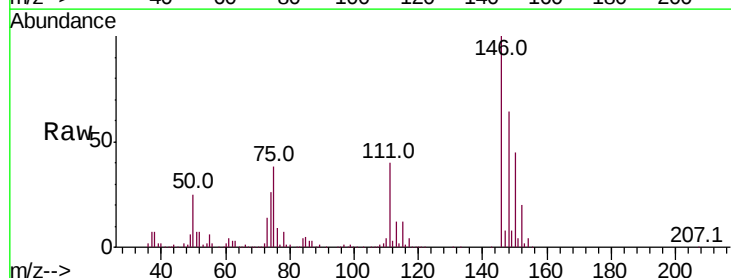
Instrument :
 MSVOA_W
 ClientSampleId :

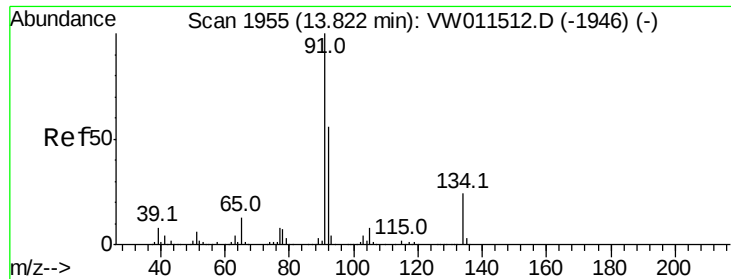
Tot Ion:146 Resp: 106382
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.5 61.6
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.710 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion:146 Resp: 105927
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.1 60.2
 148 64.4 31.9 95.9

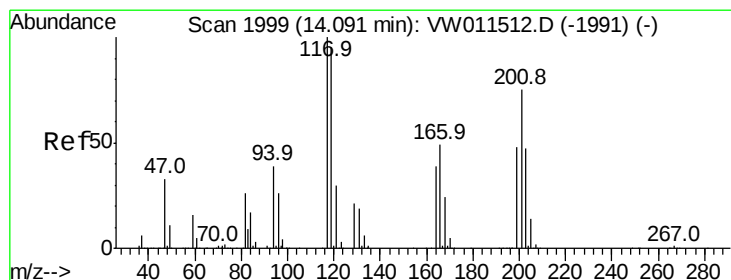
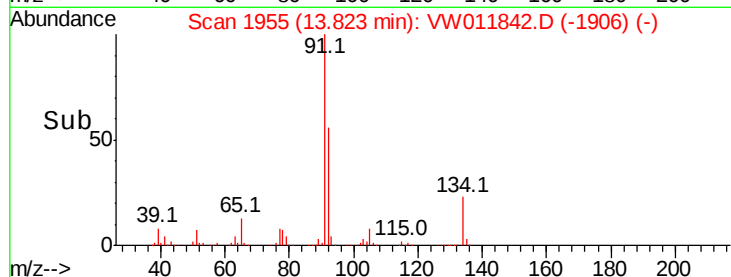
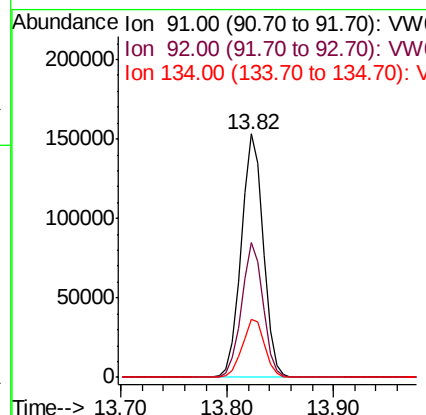
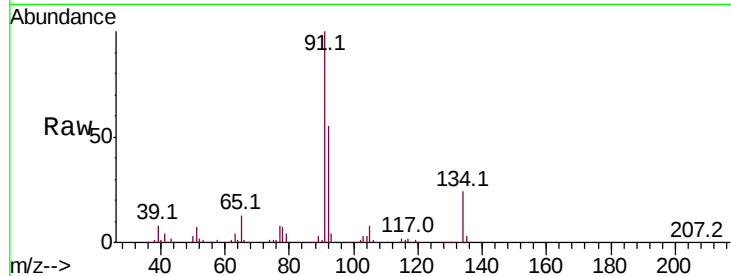




#89
n-Butylbenzene
Concen: 21.791 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

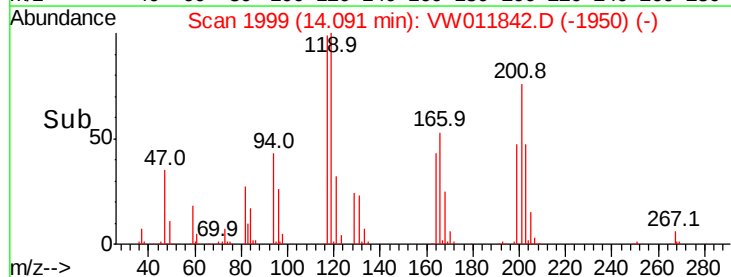
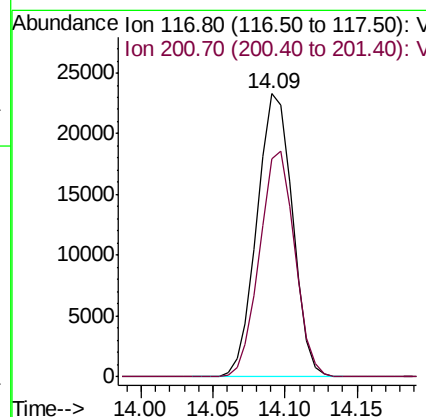
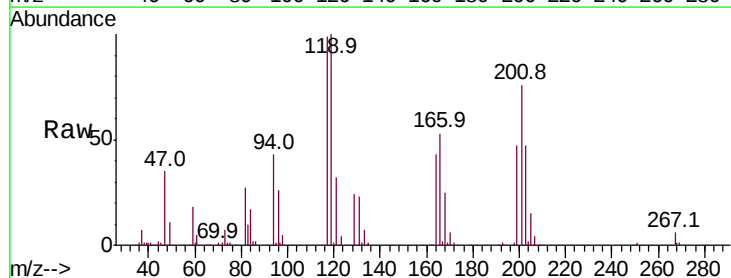
Instrument :
MSVOA_W
ClientSampleId :

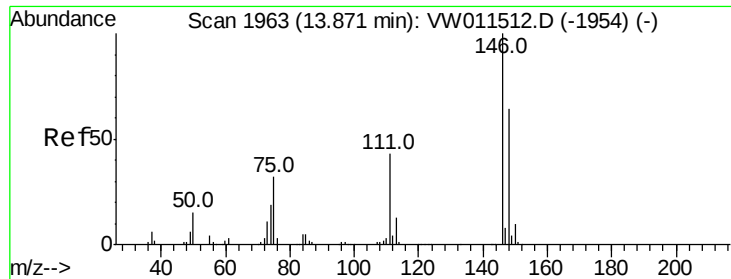
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	24.1	12.2	36.6



#90
Hexachloroethane
Concen: 21.900 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.4	118.2

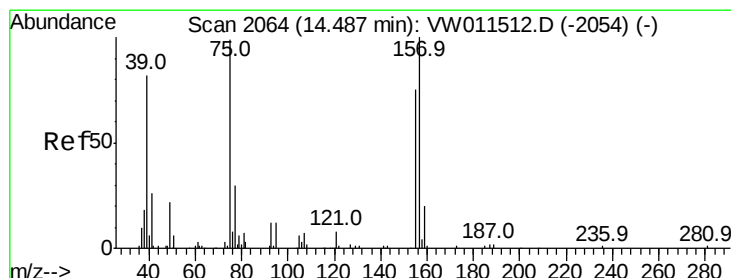
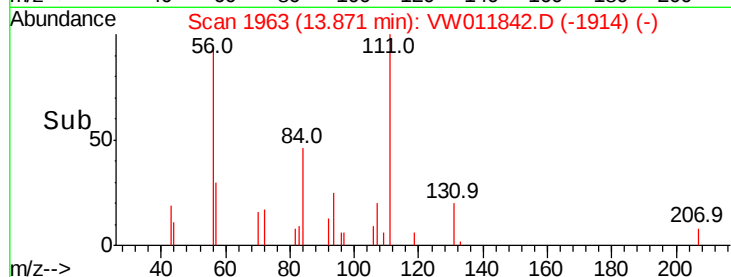
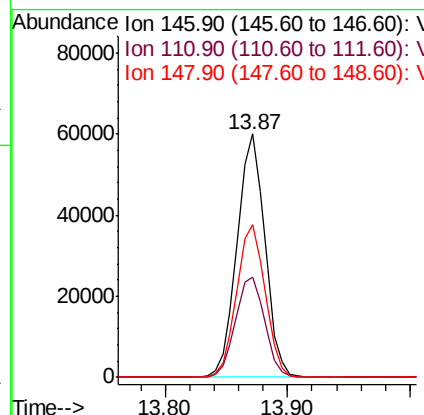
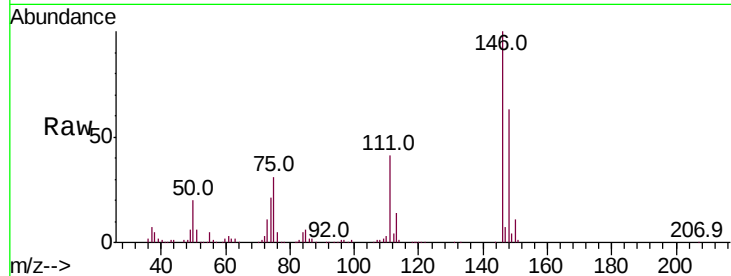




#91
 1,2-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

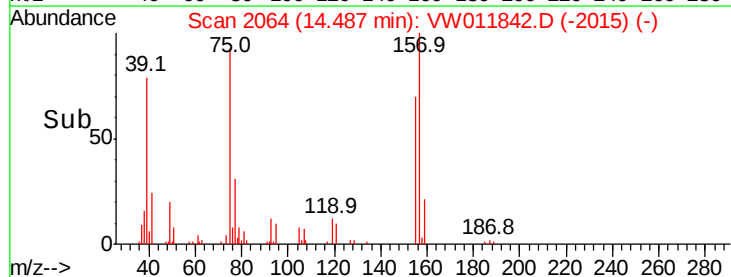
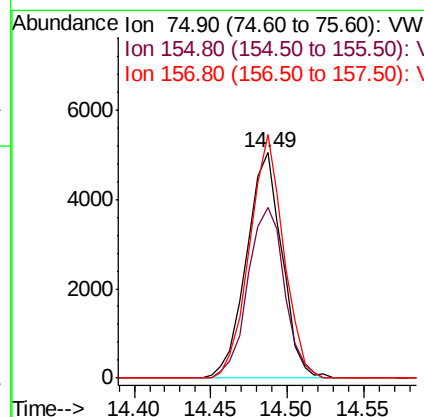
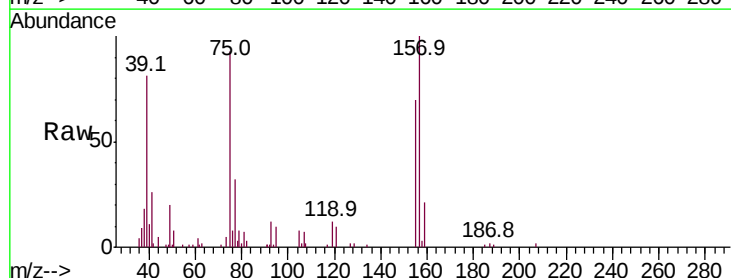
Instrument :
 MSVOA_W
 ClientSampleId :

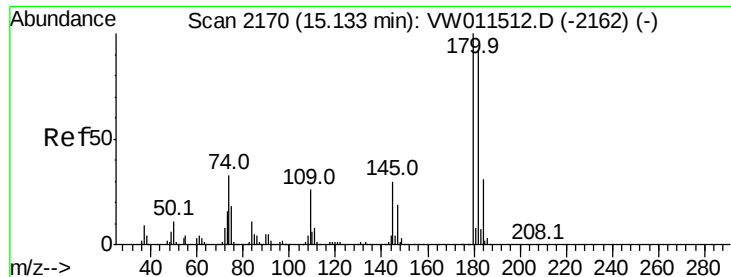
Tot Ion:146 Resp: 94433
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 65.0
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.423 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion: 75 Resp: 8140
 Ion Ratio Lower Upper
 75 100
 155 78.4 38.2 114.6
 157 103.3 48.9 146.7

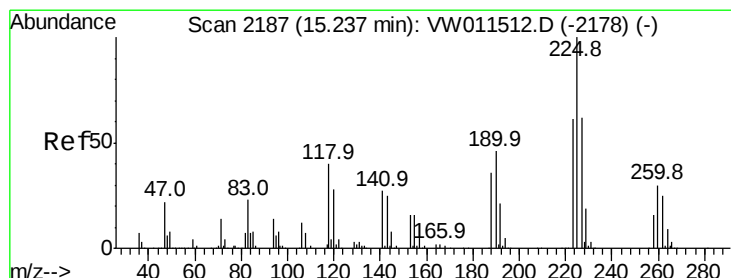
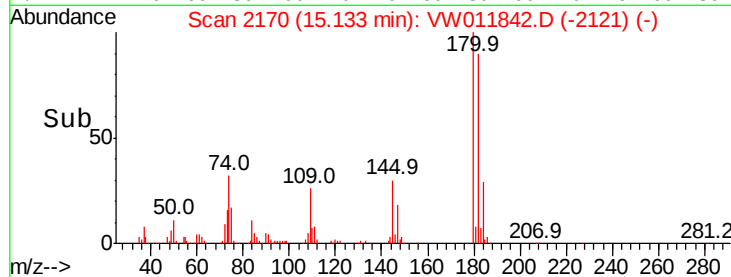
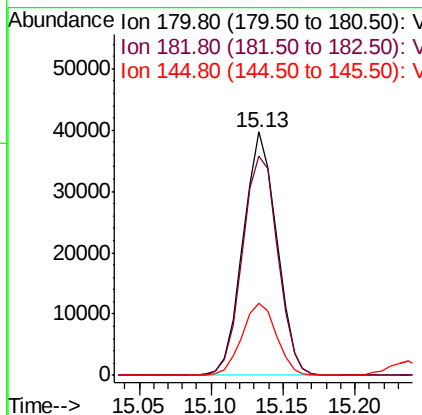
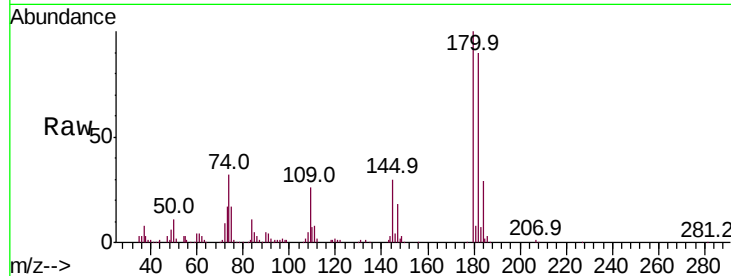




#93
 1,2,4-Trichlorobenzene
 Concen: 21.030 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

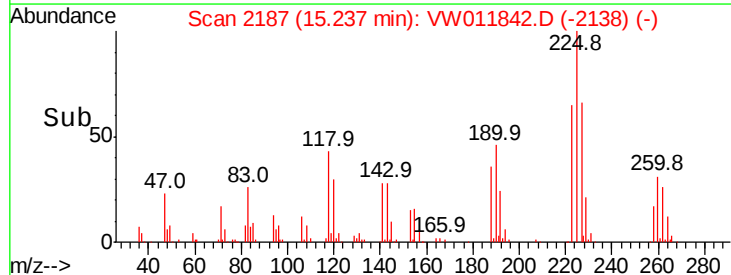
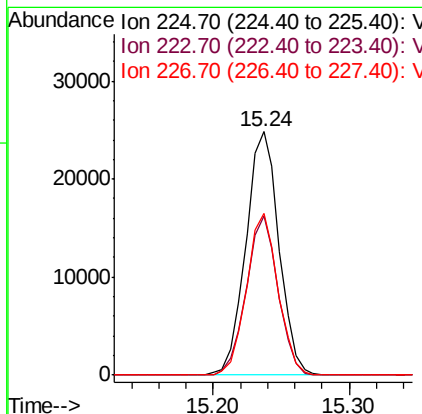
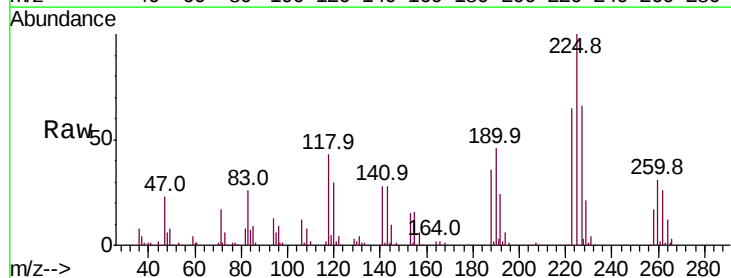
Instrument :
 MSVOA_W
 ClientSampleId :

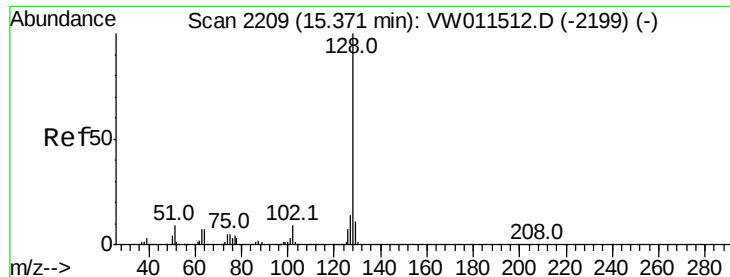
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	30.5	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 22.184 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011842.D
 Acq: 12 Aug 2019 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.8	92.3
227	63.1	31.6	94.7

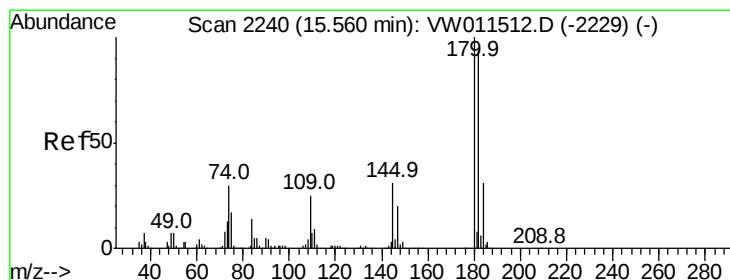
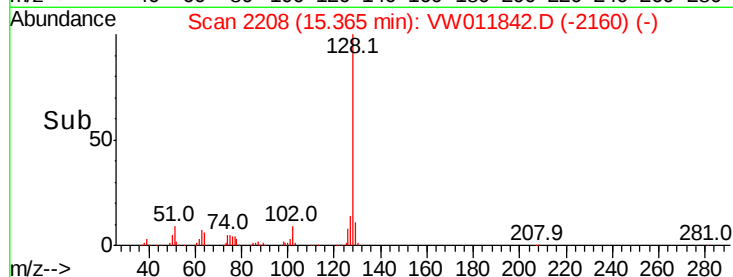
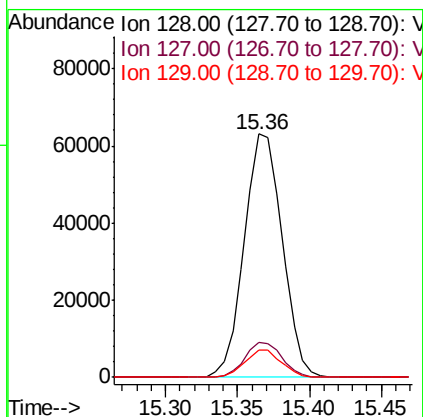
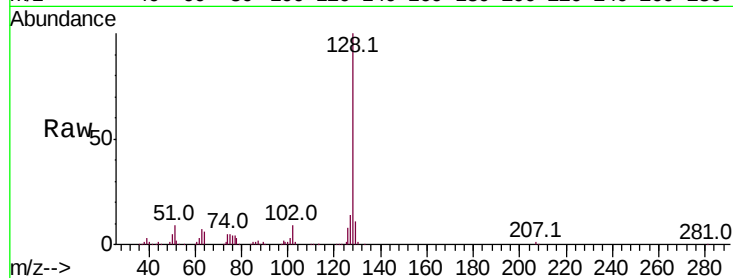




#95
Naphthalene
Concen: 20.542 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 115425
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.429 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011842.D
Acq: 12 Aug 2019 10:58

Tgt Ion:180 Resp: 57429
Ion Ratio Lower Upper
180 100
182 94.3 47.4 142.2
145 31.6 15.9 47.7

