

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012953.D
 Acq On : 13 Sep 2019 14:32
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	170170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	26031	10.59	ug/l	0.00
Spiked Amount			Recovery	=	21.18%	
35) Dibromofluoromethane	7.88	113	21604	10.32	ug/l	0.00
Spiked Amount			Recovery	=	20.64%	
50) Toluene-d8	10.32	98	81511	9.95	ug/l	0.00
Spiked Amount			Recovery	=	19.90%	
62) 4-Bromofluorobenzene	12.62	95	29858	10.14	ug/l	0.00
Spiked Amount			Recovery	=	20.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12846	11.294	ug/l	99
3) Chloromethane	2.21	50	18992	13.056	ug/l	99
4) Vinyl Chloride	2.35	62	23555	12.369	ug/l #	87
5) Bromomethane	2.77	94	13949	11.995	ug/l	99
6) Chloroethane	2.92	64	13375	11.452	ug/l	93
7) Trichlorofluoromethane	3.24	101	14530	10.911	ug/l	100
8) Diethyl Ether	3.68	74	12513	12.034	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23092	11.433	ug/l	99
10) Methyl Iodide	4.27	142	28824	11.403	ug/l	99
11) Tert butyl alcohol	5.18	59	11477	59.594	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	20815	11.335	ug/l	95
13) Acrolein	3.89	56	10754	59.665	ug/l	100
14) Allyl chloride	4.66	41	38873	11.150	ug/l	98
15) Acrylonitrile	5.37	53	30761	57.922	ug/l	100
16) Acetone	4.12	43	34161	58.524	ug/l	99
17) Carbon Disulfide	4.38	76	45823	12.521	ug/l	95
18) Methyl Acetate	4.67	43	14950	10.679	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	41903	11.559	ug/l	99
20) Methylene Chloride	4.92	84	28240	12.227	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	22506	11.442	ug/l	98
22) Diisopropyl ether	6.31	45	80762	11.151	ug/l #	88
23) Vinyl Acetate	6.25	43	244581	56.382	ug/l	97
24) 1,1-Dichloroethane	6.21	63	47404	11.352	ug/l	98
25) 2-Butanone	7.17	43	45894	58.739	ug/l	96
26) 2,2-Dichloropropane	7.16	77	35227	11.897	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	26698	11.338	ug/l	96
28) Bromochloromethane	7.51	49	17967	10.222	ug/l #	98
29) Tetrahydrofuran	7.52	42	25793	57.938	ug/l	99
30) Chloroform	7.68	83	47887	11.286	ug/l	98
31) Cyclohexane	7.95	56	42411	11.920	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	39311	11.250	ug/l	96
36) 1,1-Dichloropropene	8.07	75	35167	11.412	ug/l	100
37) Ethyl Acetate	7.25	43	19005	11.619	ug/l	99
38) Carbon Tetrachloride	8.07	117	34576	10.949	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	39161	11.597	ug/l	92
40) Benzene	8.32	78	98074	11.401	ug/l	99
41) Methacrylonitrile	7.48	41	12611	11.708	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	32969	11.433	ug/l	98
43) Isopropyl Acetate	8.42	43	35899	11.431	ug/l	99
44) Trichloroethene	9.09	130	27312	11.591	ug/l	93
45) 1,2-Dichloropropane	9.37	63	25672	11.232	ug/l	99
46) Dibromomethane	9.46	93	12467	11.385	ug/l	99
47) Bromodichloromethane	9.64	83	33882	11.031	ug/l	97
48) Methyl methacrylate	9.43	41	16576	11.246	ug/l	96
49) 1,4-Dioxane	9.45	88	3895	212.280	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	93831	57.872	ug/l	98
52) Toluene	10.38	92	61185	11.193	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	32965	10.671	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	38515	10.897	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	18562	11.127	ug/l	98
56) Ethyl methacrylate	10.65	69	24598	10.955	ug/l	97
57) 1,3-Dichloropropane	10.93	76	32734	11.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	59812	49.658	ug/l	100
59) 2-Hexanone	10.97	43	65303	57.843	ug/l	97
60) Dibromochloromethane	11.13	129	21547	10.684	ug/l	93
61) 1,2-Dibromoethane	11.24	107	17030	11.191	ug/l	97
64) Tetrachloroethene	10.86	164	22725	11.534	ug/l	94
65) Chlorobenzene	11.66	112	65069	11.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	24567	10.867	ug/l	98
67) Ethyl Benzene	11.73	91	119586	10.976	ug/l	100
68) m/p-Xylenes	11.83	106	88597	22.259	ug/l	98
69) o-Xylene	12.16	106	40493	10.852	ug/l	97
70) Styrene	12.18	104	72808	10.968	ug/l	98
71) Bromoform	12.34	173	12815	10.792	ug/l #	99
73) Isopropylbenzene	12.46	105	121318	10.756	ug/l	99
74) N-amyl acetate	12.27	43	30804	10.617	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	21967	11.088	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	29317	20.418	ug/l #	100
77) Bromobenzene	12.75	156	27844	10.716	ug/l	98
78) n-propylbenzene	12.80	91	143034	10.780	ug/l	100
79) 2-Chlorotoluene	12.89	91	81954	10.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	103287	10.824	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6724	10.233	ug/l	97
82) 4-Chlorotoluene	12.99	91	86874	10.795	ug/l	99
83) tert-Butylbenzene	13.21	119	90634	10.619	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	101308	10.744	ug/l	96
85) sec-Butylbenzene	13.38	105	125719	10.811	ug/l	99
86) p-Isopropyltoluene	13.50	119	113228	10.605	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	55926	10.872	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54754	10.832	ug/l	95
89) n-Butylbenzene	13.82	91	107250	10.652	ug/l	98
90) Hexachloroethane	14.09	117	19880	10.390	ug/l	98
91) 1,2-Dichlorobenzene	13.86	146	49097	10.854	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4122	11.367	ug/l	87

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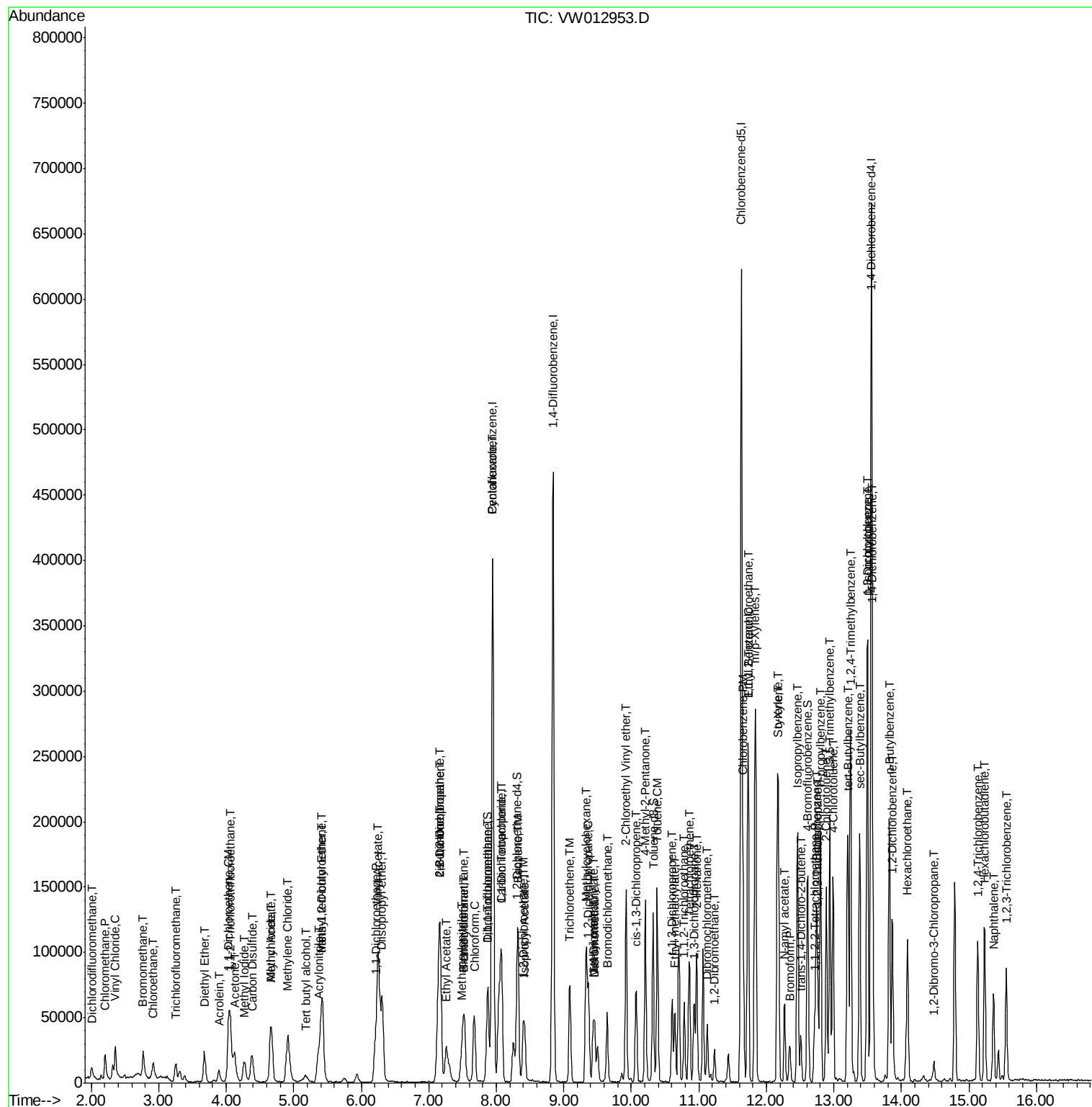
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	33940	10.521	ug/l	97
94) Hexachlorobutadiene	15.24	225	25365	11.107	ug/l	97
95) Naphthalene	15.36	128	54488	10.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	29888	10.481	ug/l	98

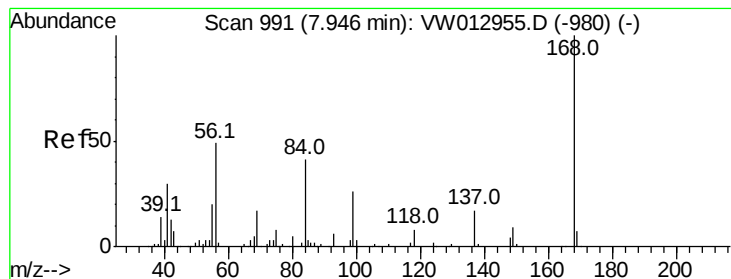
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

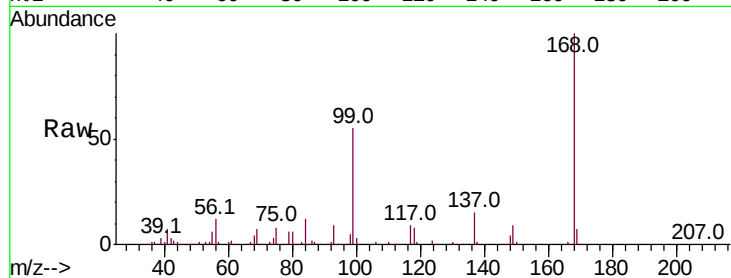
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 266050

Ion Ratio Lower Upper

168 100

99 55.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

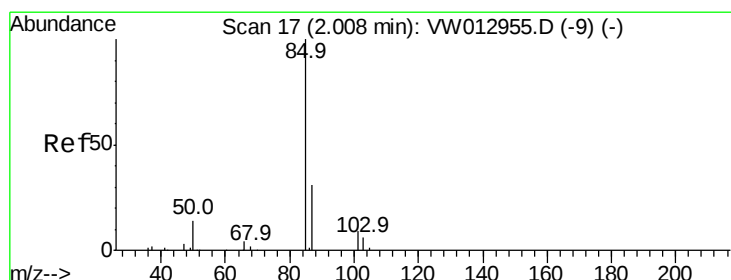
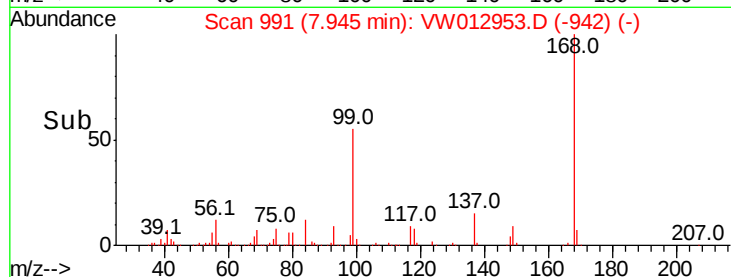
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 11.294 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012953.D

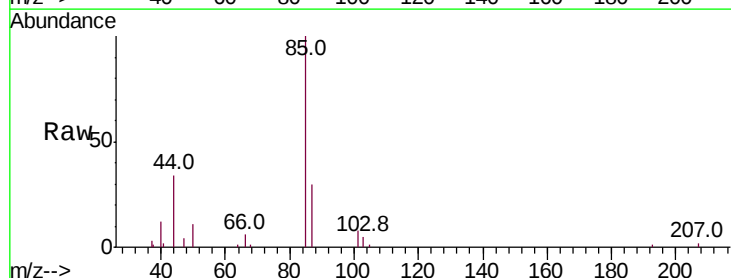
Acq: 13 Sep 2019 14:32

Tgt Ion: 85 Resp: 12846

Ion Ratio Lower Upper

85 100

87 30.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

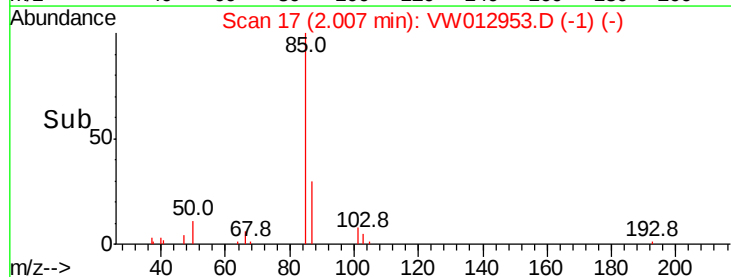
3000

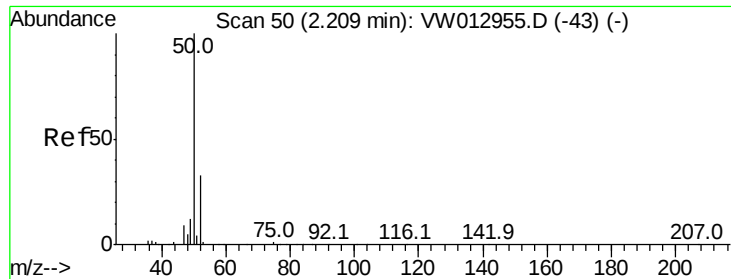
2000

1000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 13.056 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

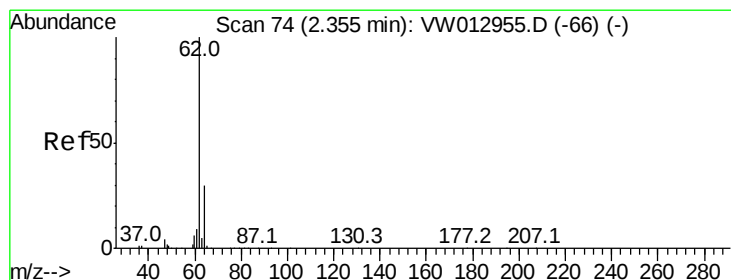
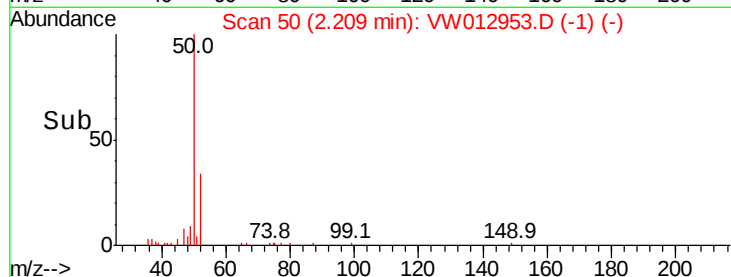
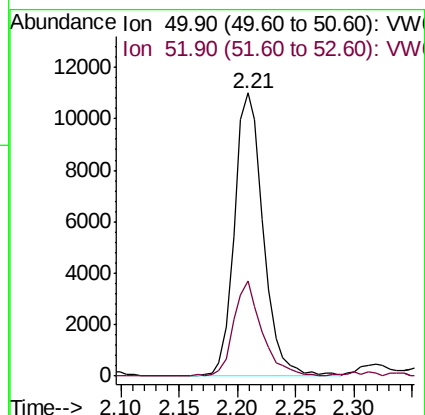
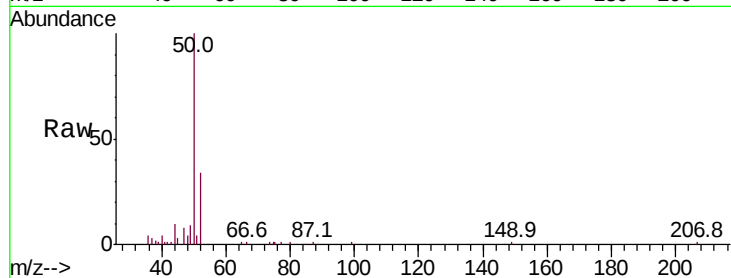
ClientSampleId :

Tot Ion: 50 Resp: 18992

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



#4

Vinyl Chloride

Concen: 12.369 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW012953.D

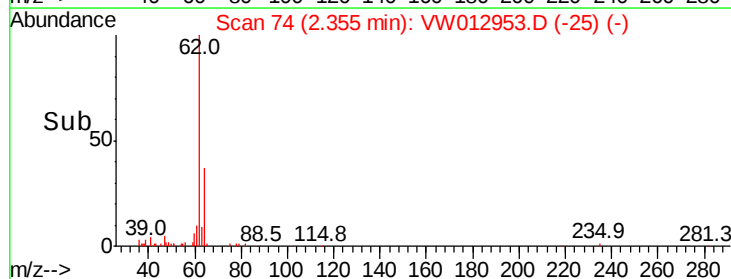
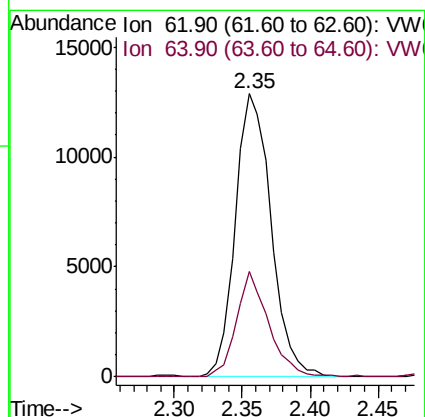
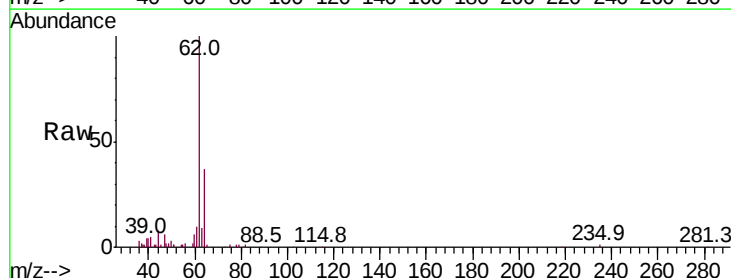
Acq: 13 Sep 2019 14:32

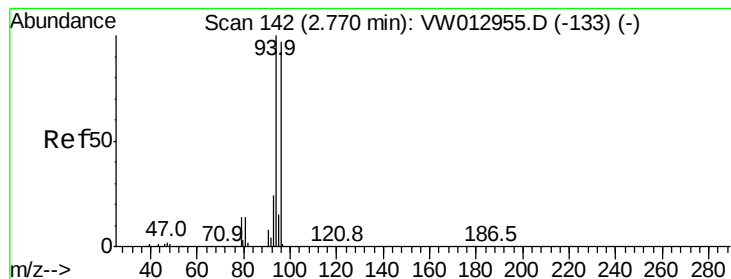
Tgt Ion: 62 Resp: 23555

Ion Ratio Lower Upper

62 100

64 37.3 24.2 36.4#





#5

Bromomethane

Concen: 11.995 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

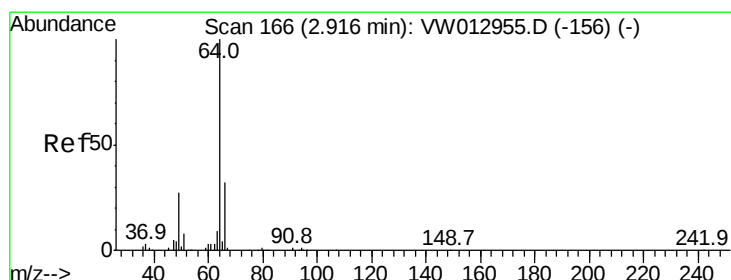
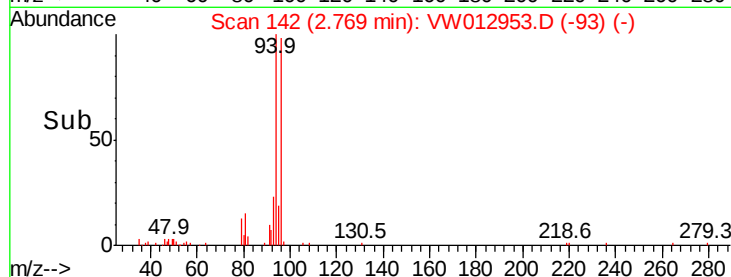
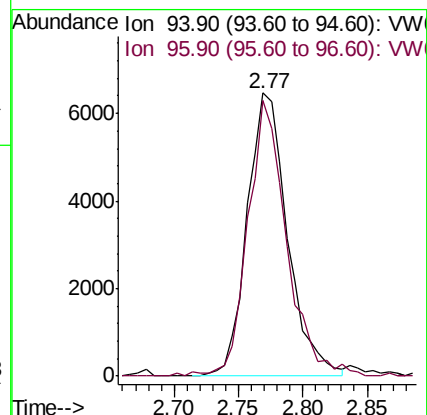
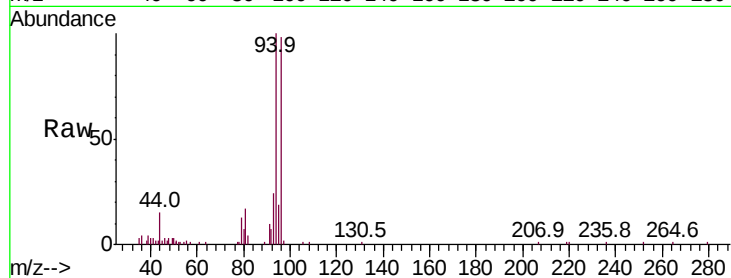
ClientSampleId :

Tot Ion: 94 Resp: 13949

Ion Ratio Lower Upper

94 100

96 96.2 77.8 116.6



#6

Chloroethane

Concen: 11.452 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012953.D

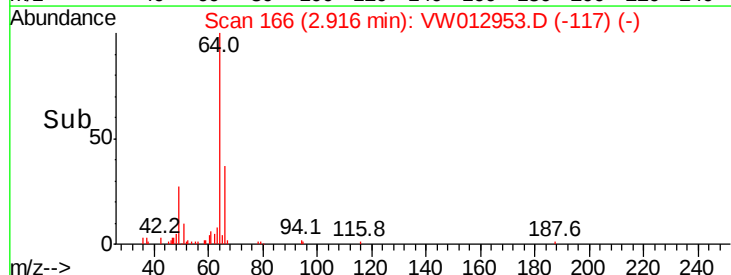
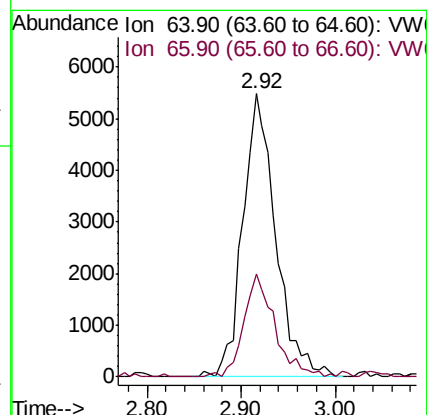
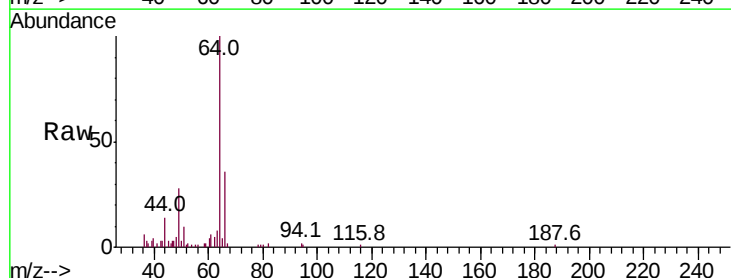
Acq: 13 Sep 2019 14:32

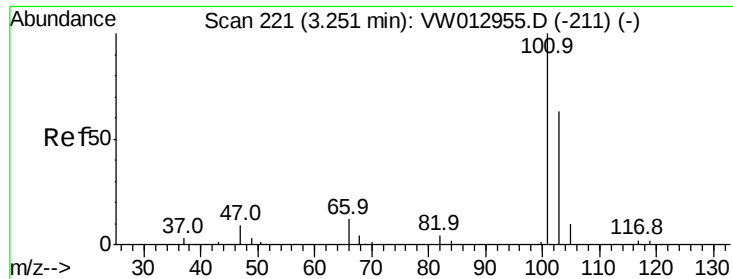
Tgt Ion: 64 Resp: 13375

Ion Ratio Lower Upper

64 100

66 36.4 25.9 38.9



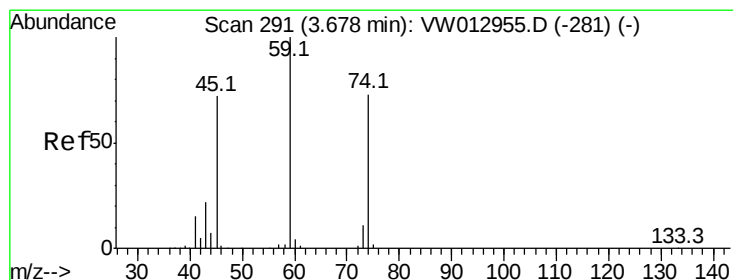
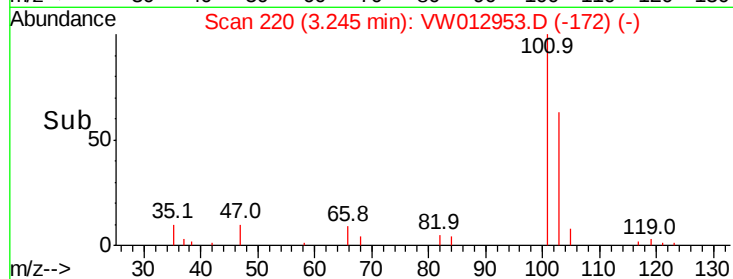
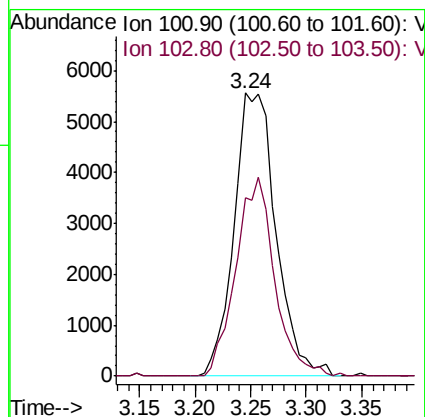
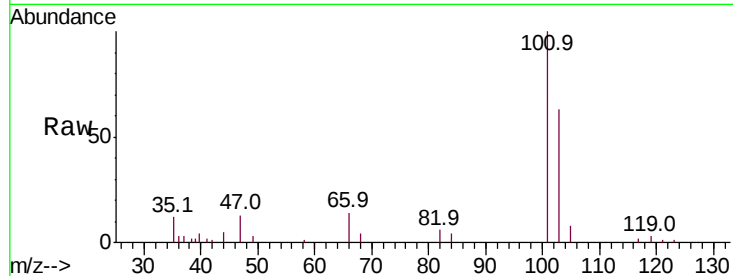


#7

Trichlorofluoromethane
 Concen: 10.911 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Instrument :
 MSVOA_W
 ClientSampleId :

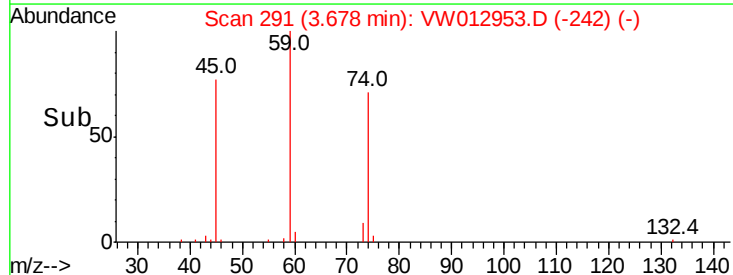
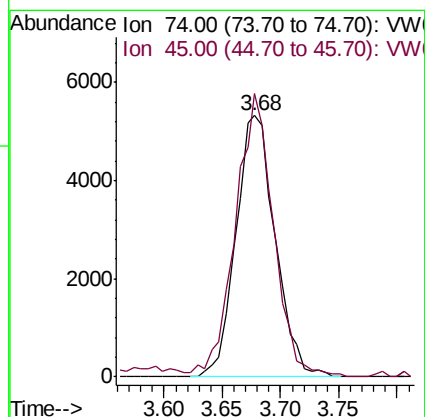
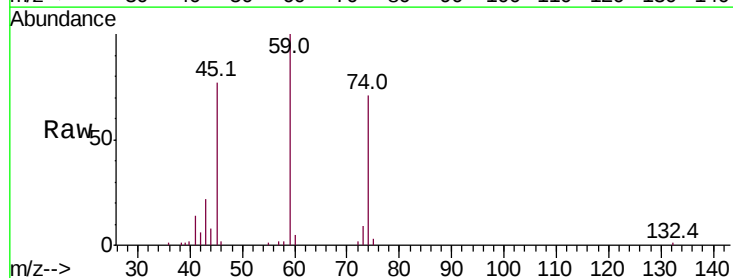
Tot Ion:101 Resp: 14530
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.7 76.1

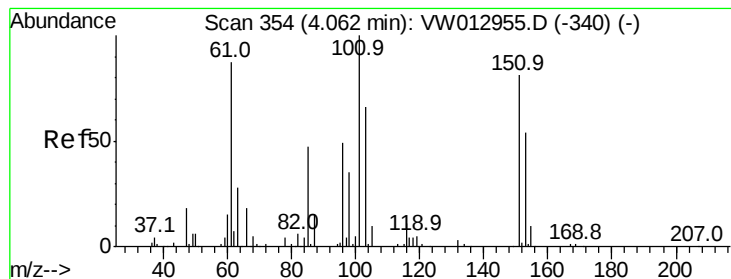


#8

Diethyl Ether
 Concen: 12.034 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 74 Resp: 12513
 Ion Ratio Lower Upper
 74 100
 45 105.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.433 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

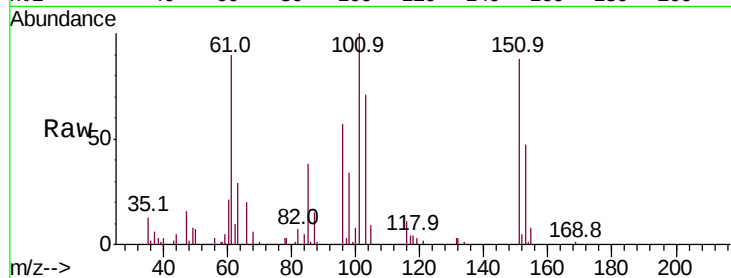
Tot Ion:101 Resp: 23092

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

151 84.0 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

4.06

6000

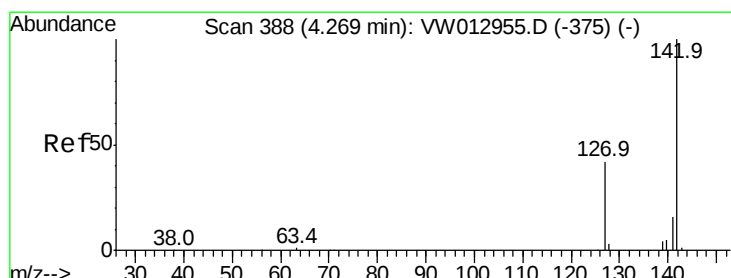
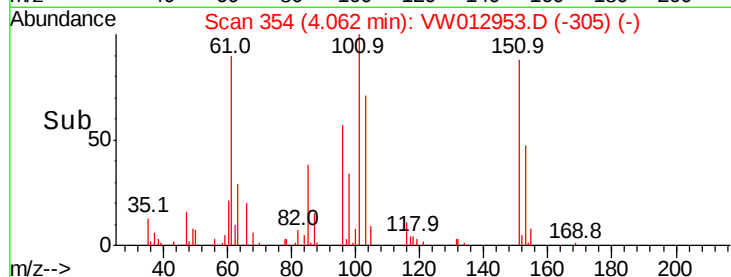
4000

2000

0

Time-->

3.90 4.00 4.10 4.20



#10

Methyl Iodide

Concen: 11.403 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

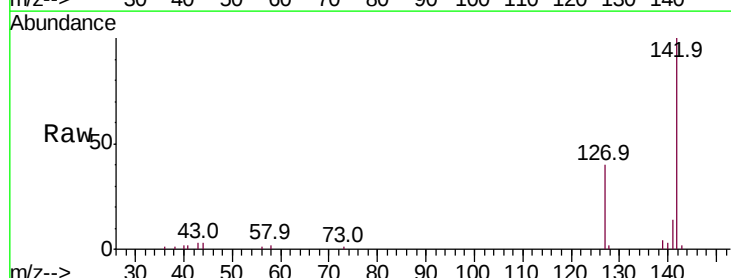
Tgt Ion:142 Resp: 28824

Ion Ratio Lower Upper

142 100

127 44.2 34.7 52.1

141 16.0 12.2 18.2



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

12000

10000

8000

6000

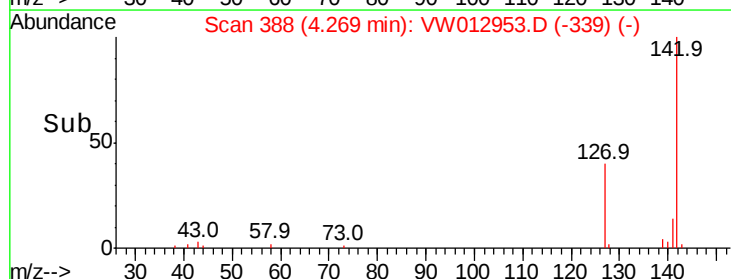
4000

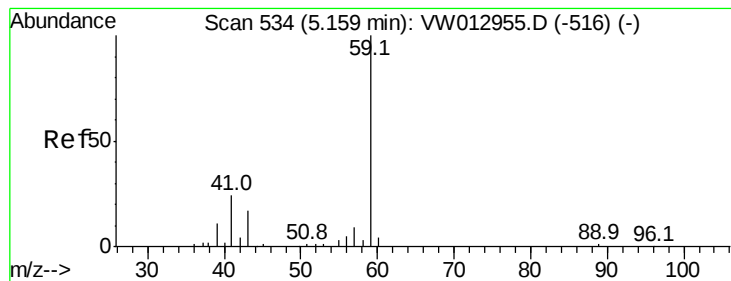
2000

0

Time-->

4.20 4.30 4.40



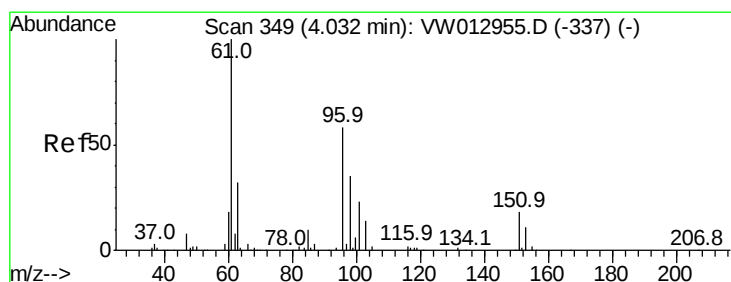
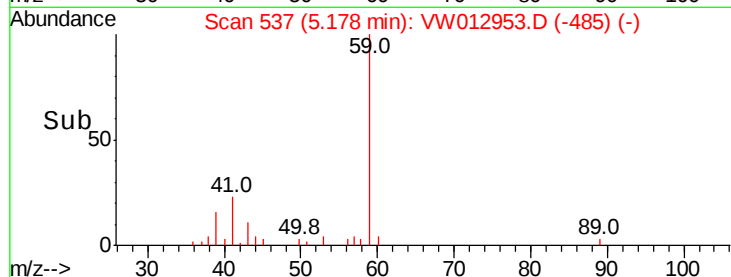
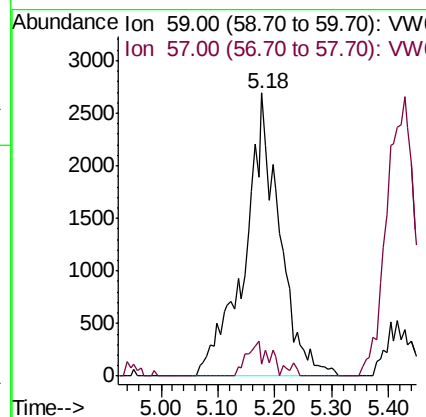
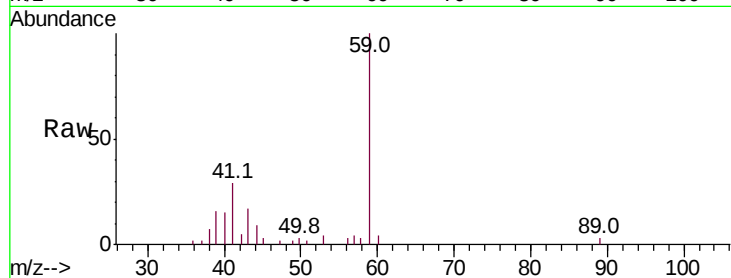


#11

Tert butyl alcohol
 Concen: 59.594 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Instrument :
 MSVOA_W
 ClientSampled :

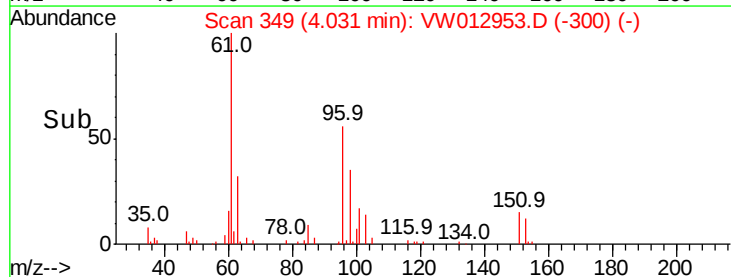
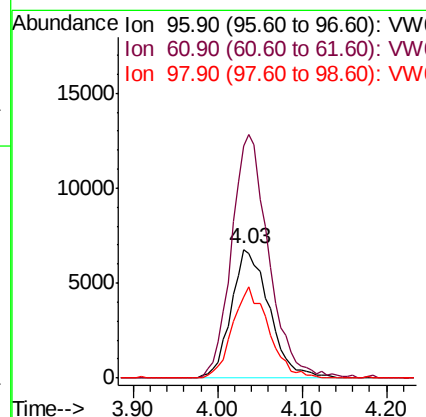
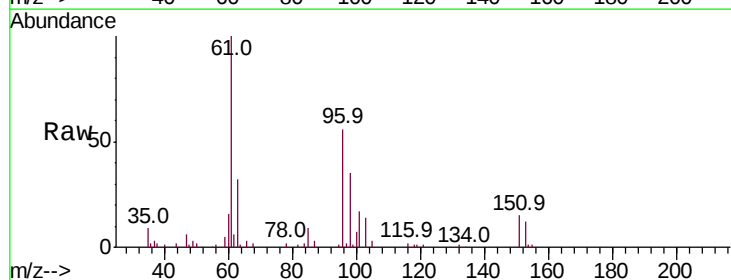
Tot Ion: 59 Resp: 11477
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.5 12.7#

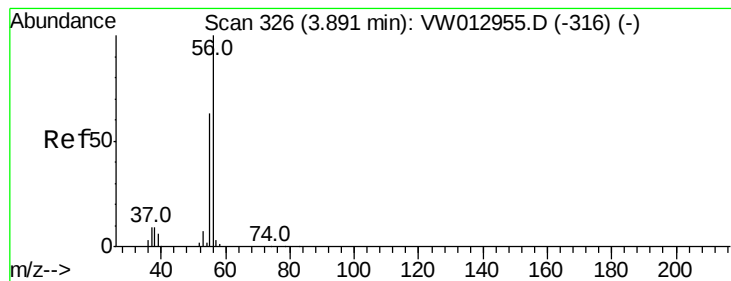


#12

1,1-Dichloroethene
 Concen: 11.335 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 96 Resp: 20815
 Ion Ratio Lower Upper
 96 100
 61 180.1 137.9 206.9
 98 63.2 48.9 73.3





#13

Acrolein

Concen: 59.665 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

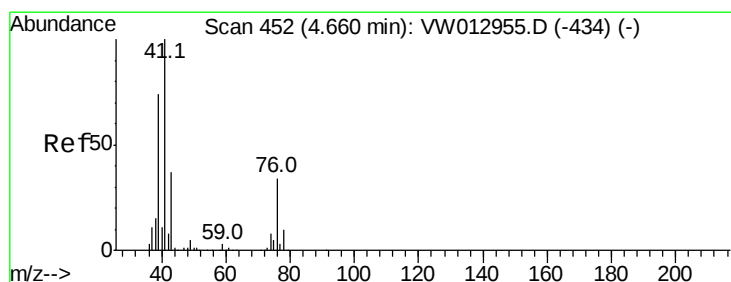
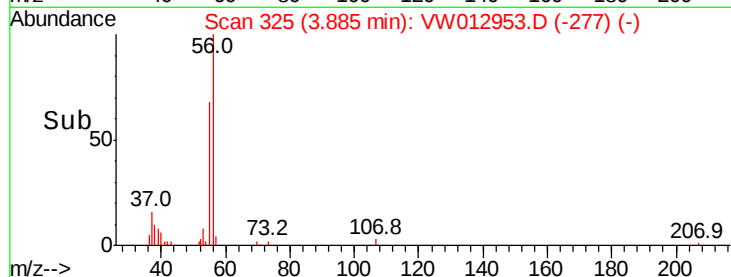
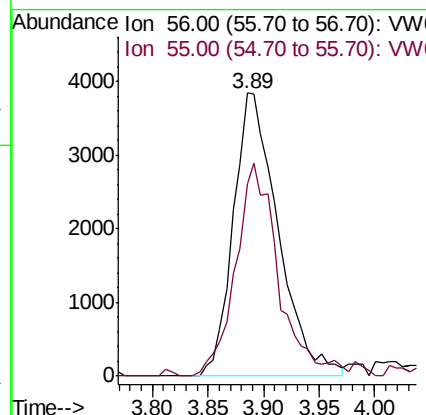
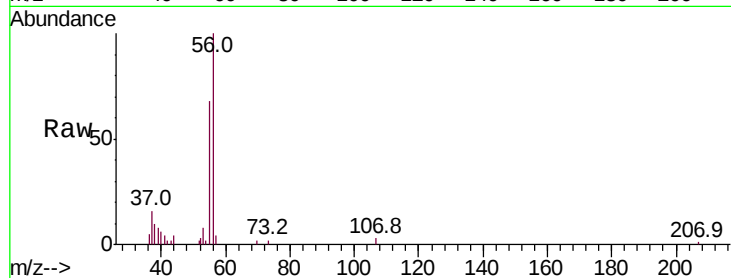
ClientSampled :

Tot Ion: 56 Resp: 10754

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.8



#14

Allyl chloride

Concen: 11.150 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

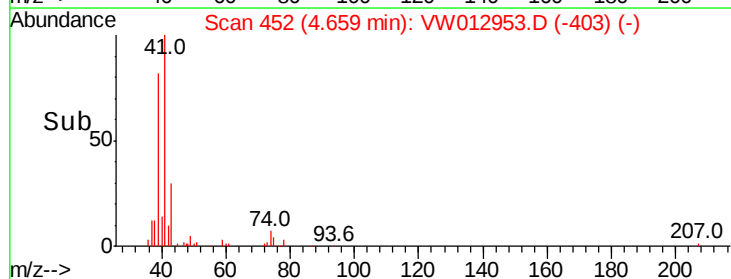
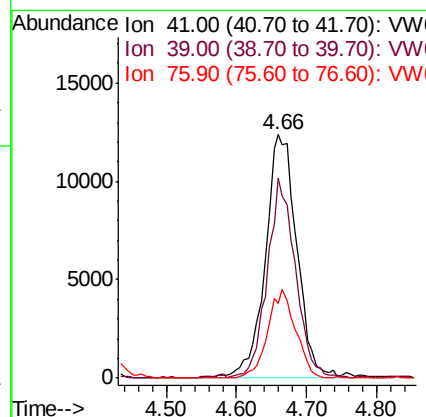
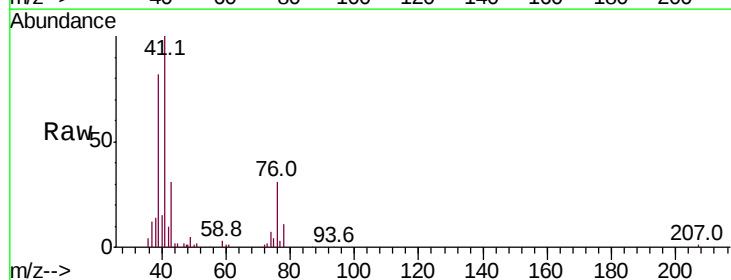
Tgt Ion: 41 Resp: 38873

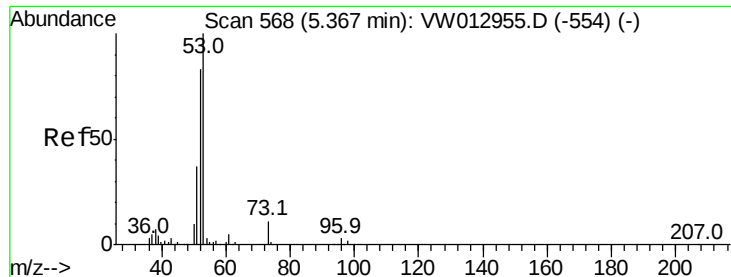
Ion Ratio Lower Upper

41 100

39 73.4 56.7 85.1

76 32.1 25.1 37.7





#15

Acrylonitrile

Concen: 57.922 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :

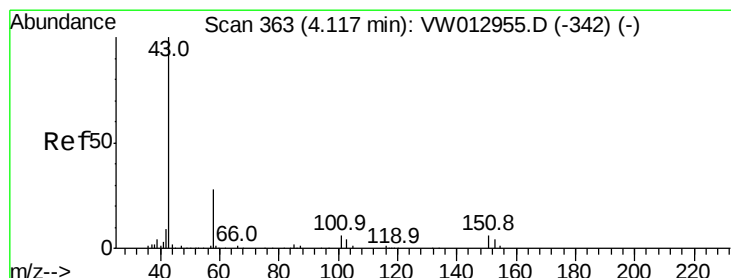
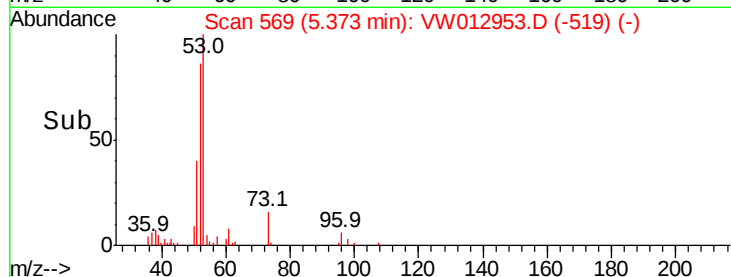
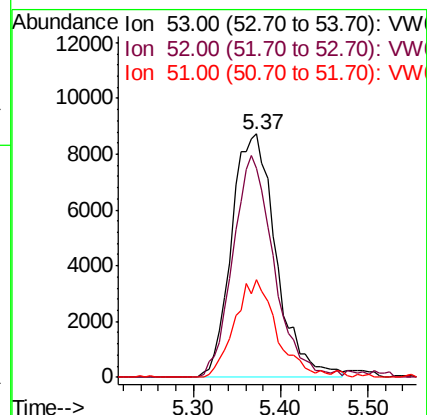
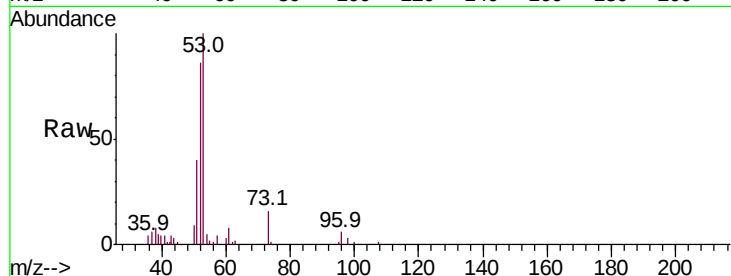
Tot Ion: 53 Resp: 30761

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 37.7 29.8 44.8



#16

Acetone

Concen: 58.524 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012953.D

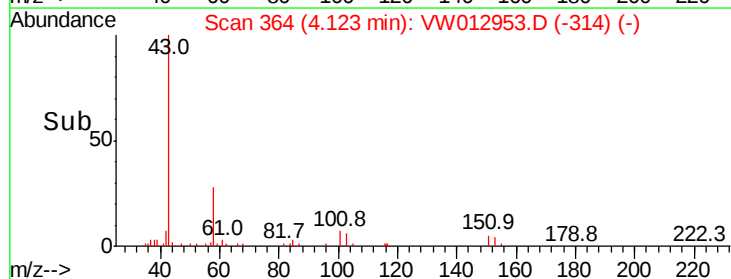
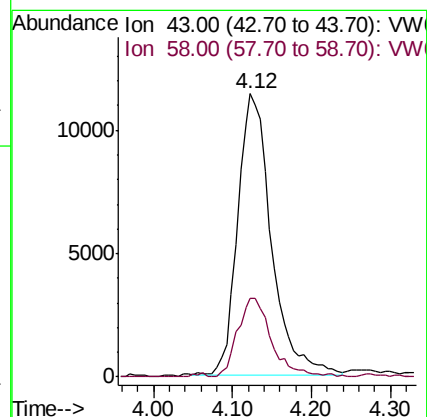
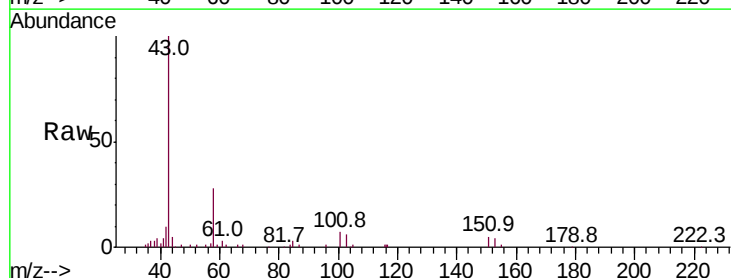
Acq: 13 Sep 2019 14:32

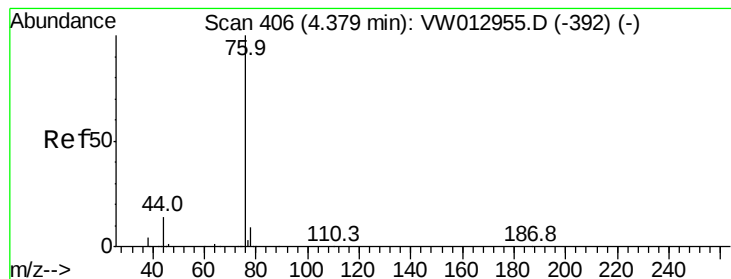
Tgt Ion: 43 Resp: 34161

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5





#17

Carbon Disulfide

Concen: 12.521 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

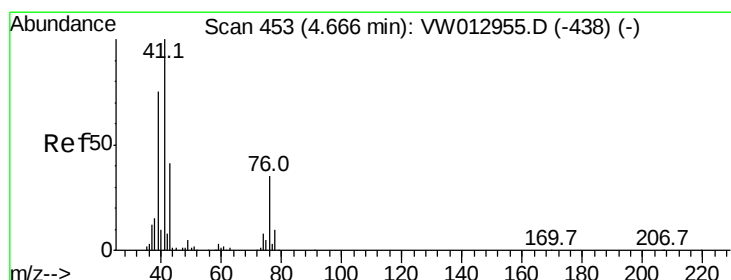
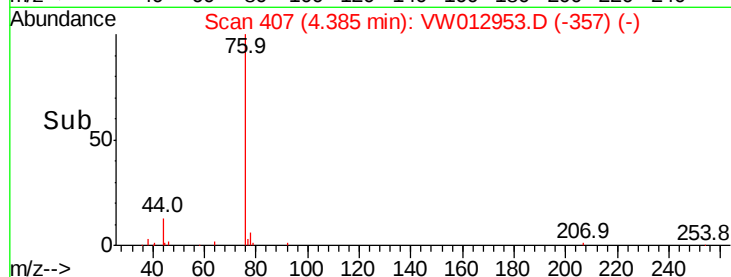
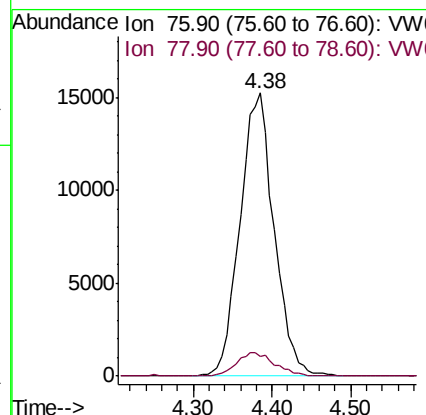
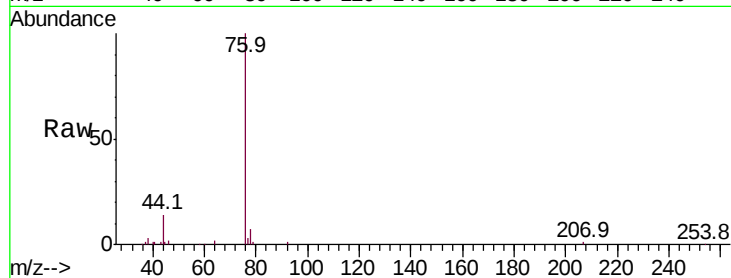
ClientSampled :

Tot Ion: 76 Resp: 45823

Ion Ratio Lower Upper

76 100

78 7.0 7.0 10.4



#18

Methyl Acetate

Concen: 10.679 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012953.D

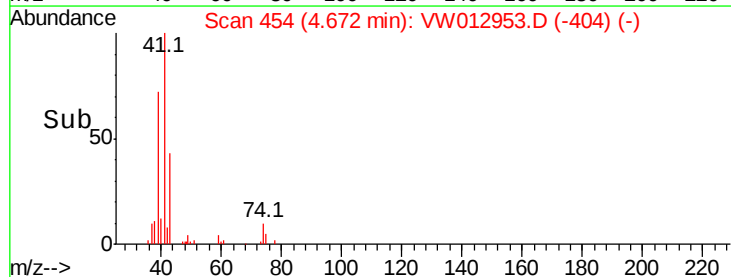
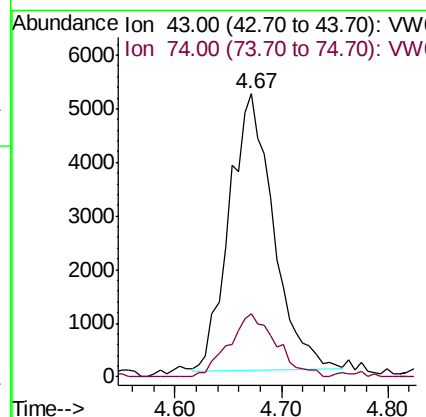
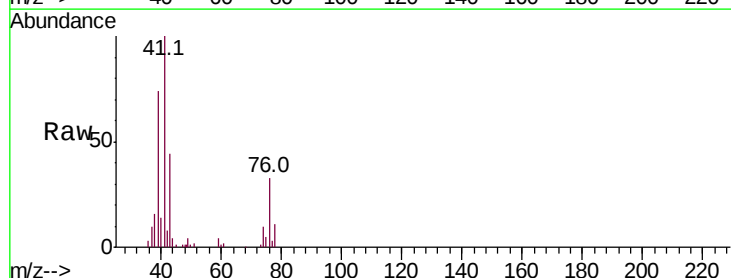
Acq: 13 Sep 2019 14:32

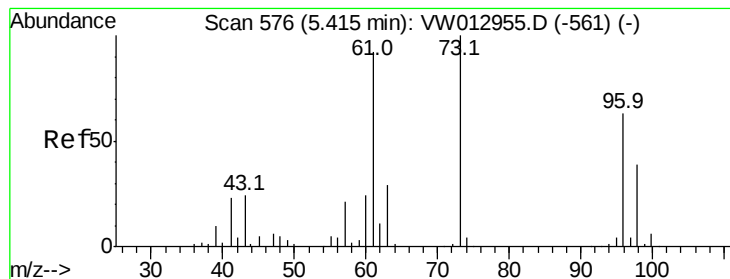
Tgt Ion: 43 Resp: 14950

Ion Ratio Lower Upper

43 100

74 24.3 17.8 26.8



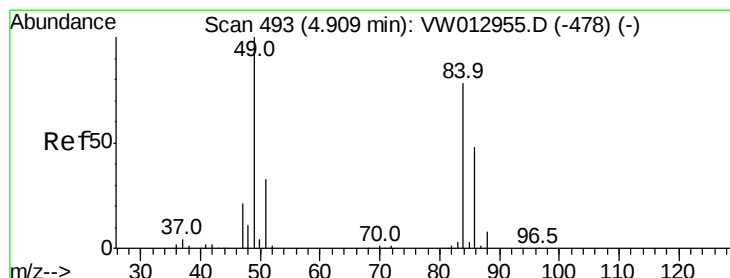
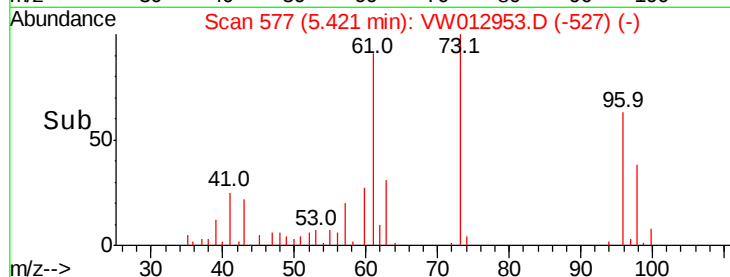
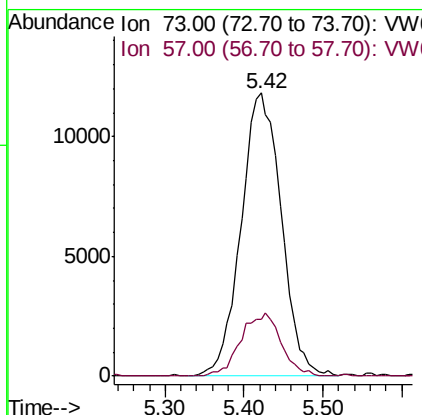
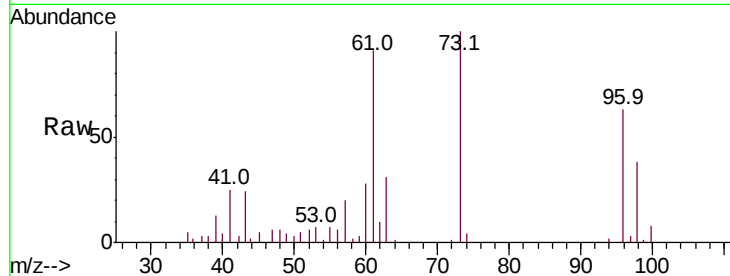


#19

Methyl tert-butyl Ether
 Concen: 11.559 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Instrument :
 MSVOA_W
 ClientSampled :

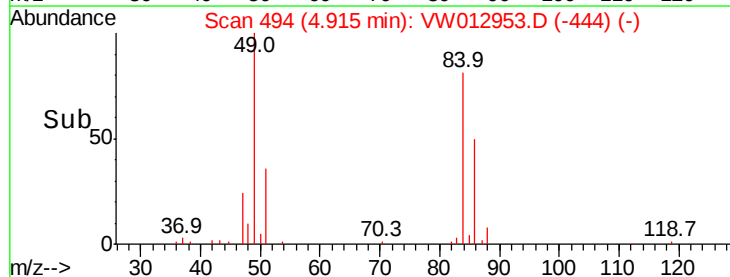
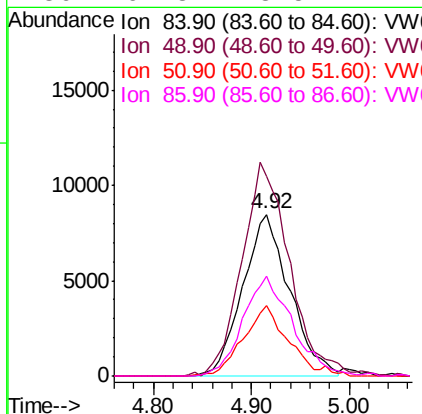
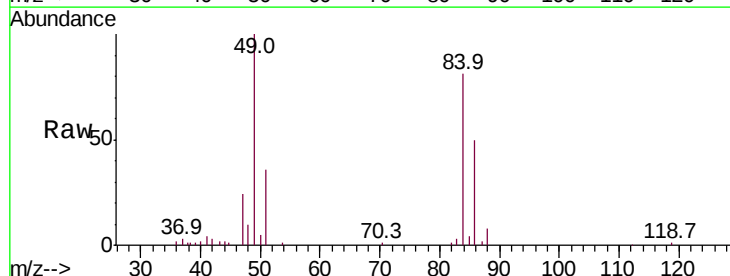
Tot Ion: 73 Resp: 41903
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.4 24.6

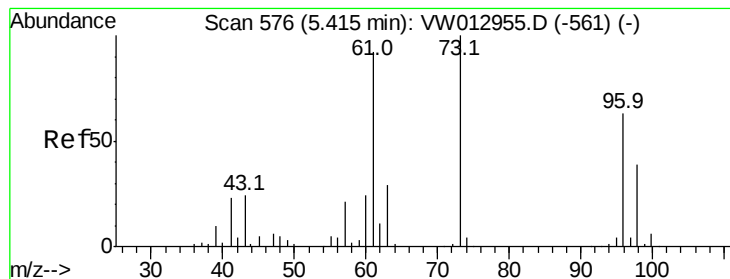


#20

Methylene Chloride
 Concen: 12.227 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 84 Resp: 28240
 Ion Ratio Lower Upper
 84 100
 49 122.5 102.0 153.0
 51 43.8 34.0 51.0
 86 61.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 11.442 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

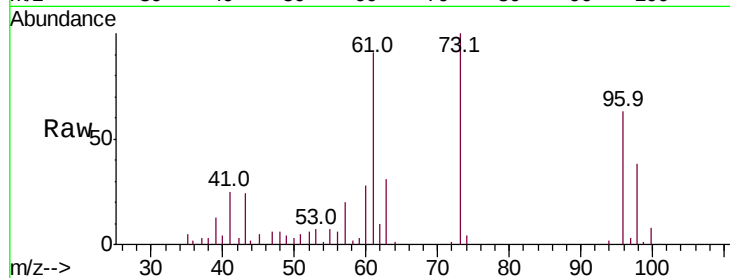
Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 22506

Ion	Ratio	Lower	Upper
96	100		
61	143.9	116.2	174.2
98	59.8	49.8	74.6

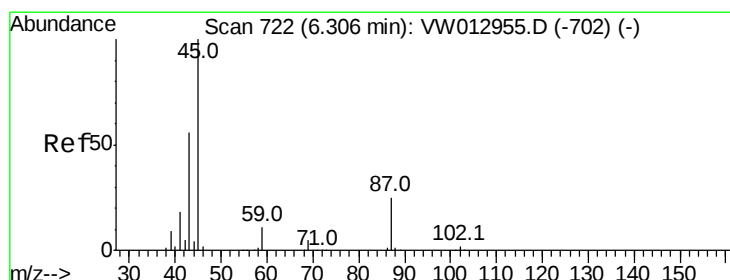
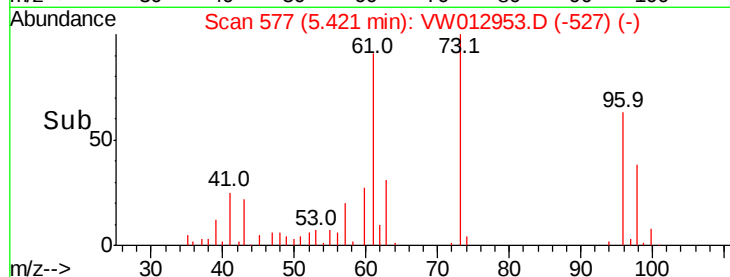
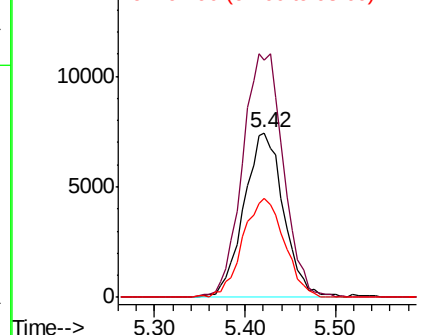


Abundance

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: 11.151 ug/l

RT: 6.31 min Scan# 722

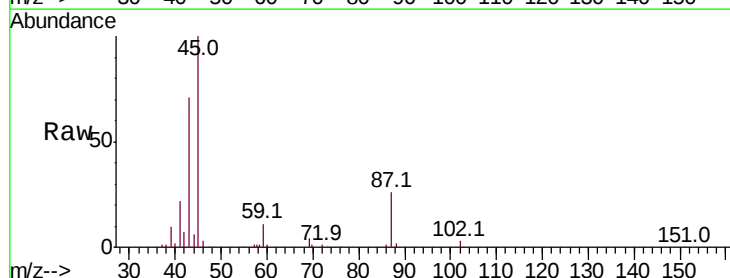
Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Tgt Ion: 45 Resp: 80762

Ion	Ratio	Lower	Upper
45	100		
43	69.1	44.6	67.0#
87	25.6	20.0	30.0
59	11.5	8.7	13.1



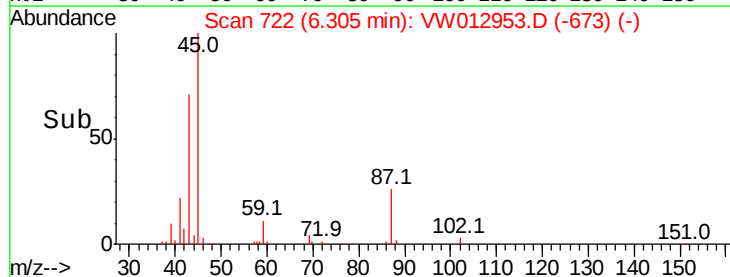
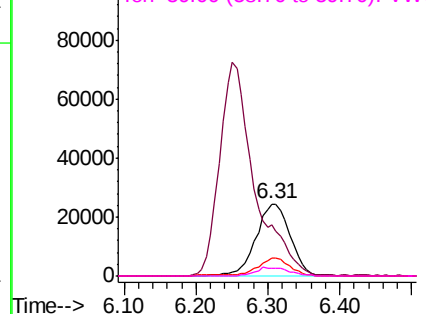
Abundance

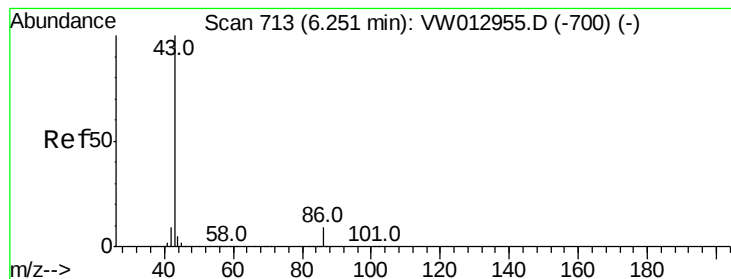
Ion 45.00 (44.70 to 45.70): VW

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: 56.382 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

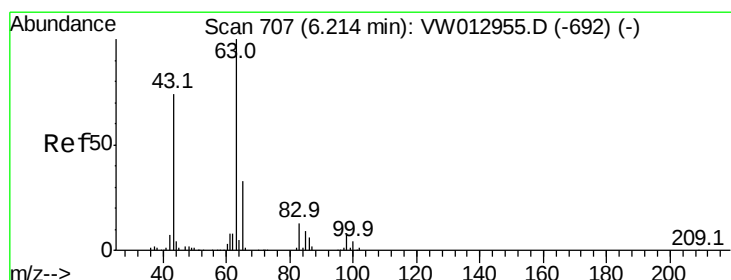
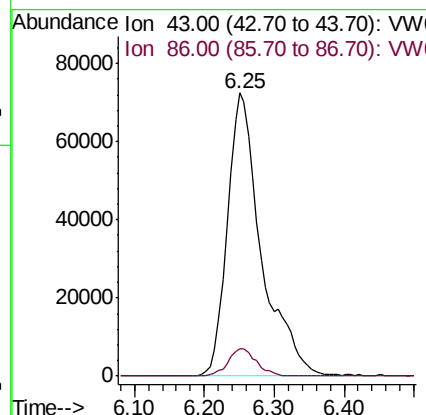
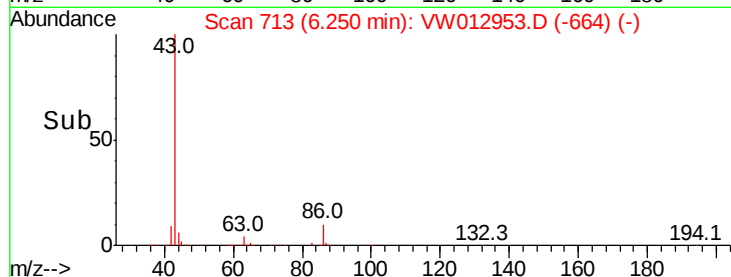
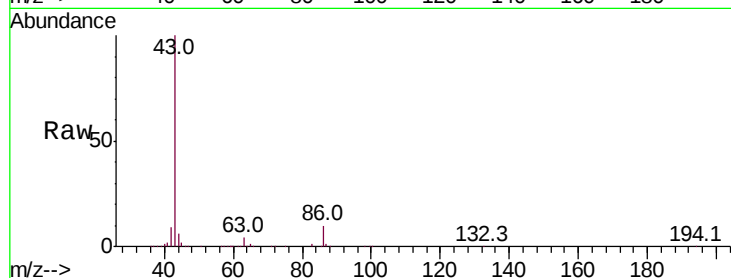
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 244581

Ion Ratio Lower Upper

43 100

86 9.8 7.0 10.6



#24

1,1-Dichloroethane

Concen: 11.352 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

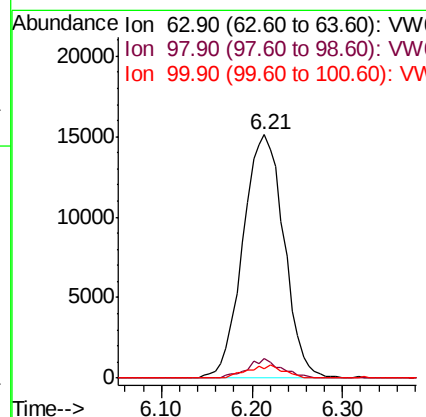
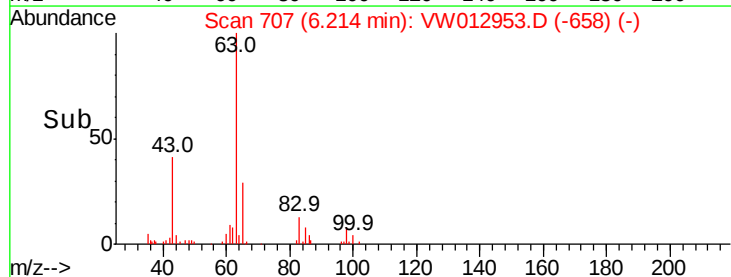
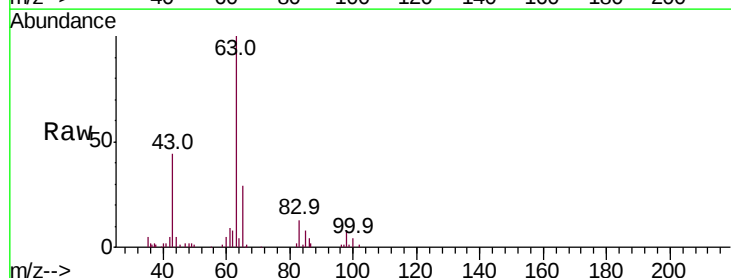
Tgt Ion: 63 Resp: 47404

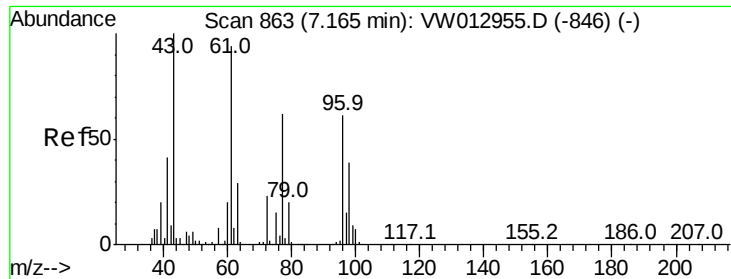
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.9

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 58.739 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

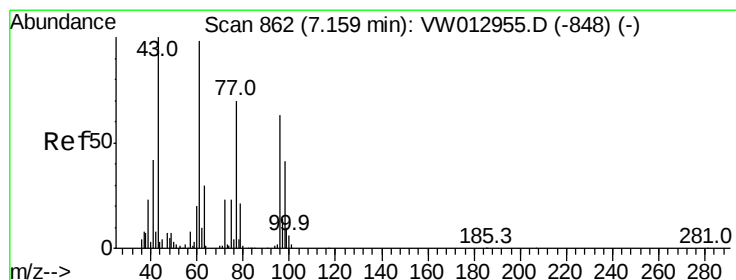
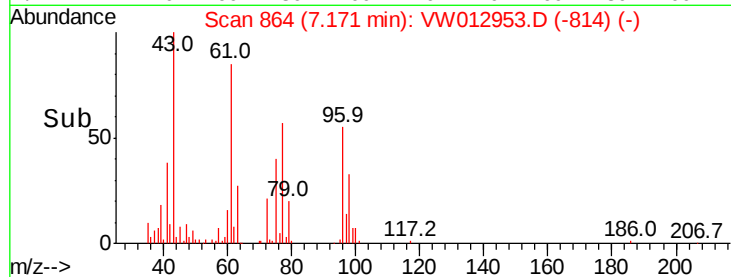
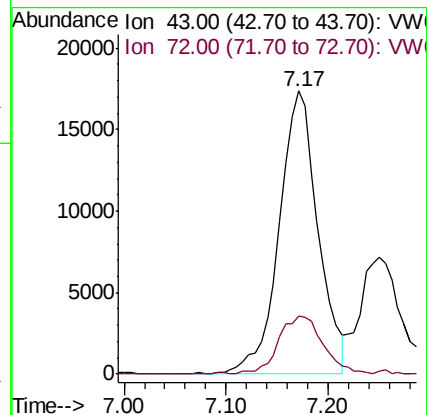
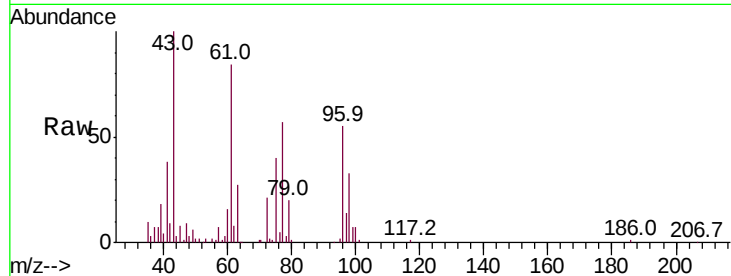
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 45894

Ion Ratio Lower Upper

43 100

72 20.7 18.2 27.4



#26

2,2-Dichloropropane

Concen: 11.897 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012953.D

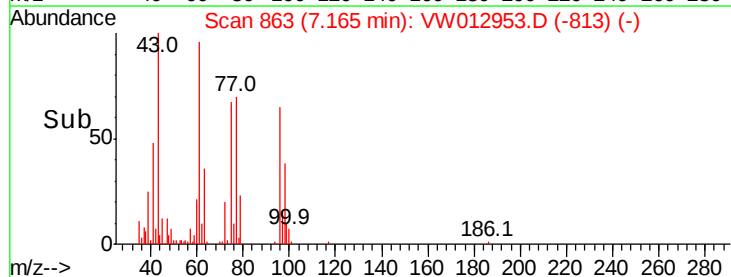
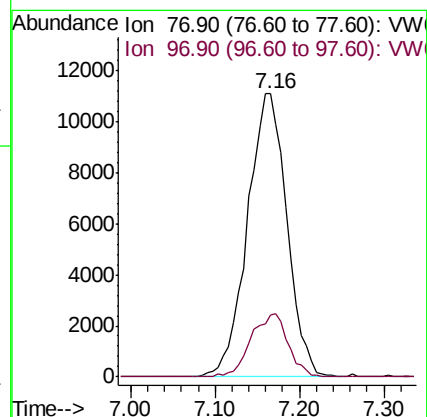
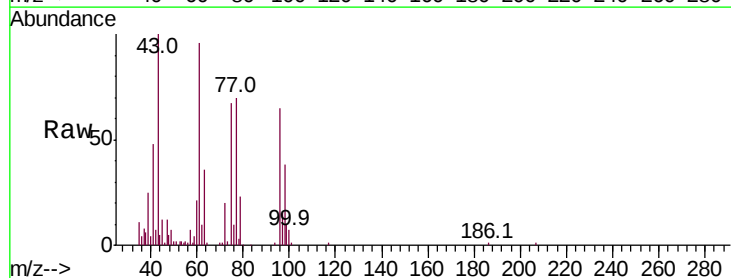
Acq: 13 Sep 2019 14:32

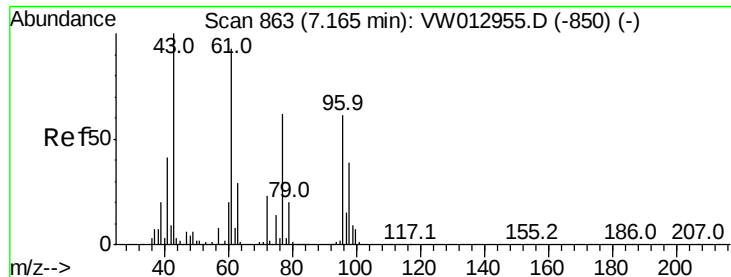
Tgt Ion: 77 Resp: 35227

Ion Ratio Lower Upper

77 100

97 21.0 10.7 32.1



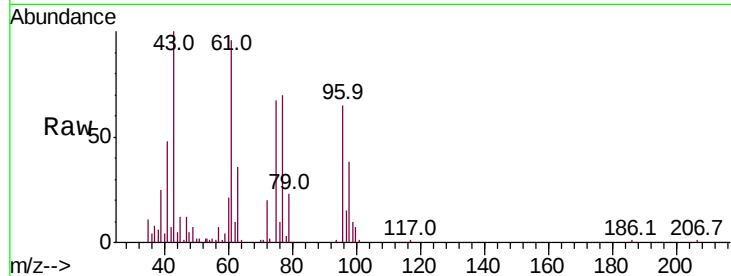


#27

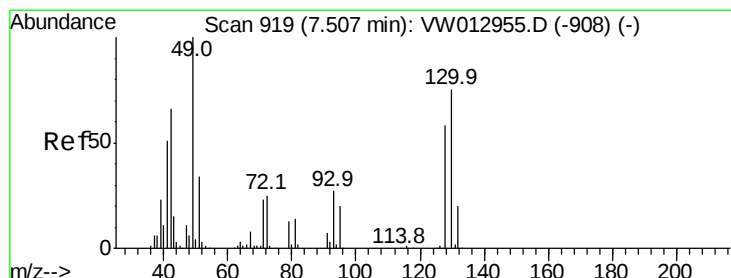
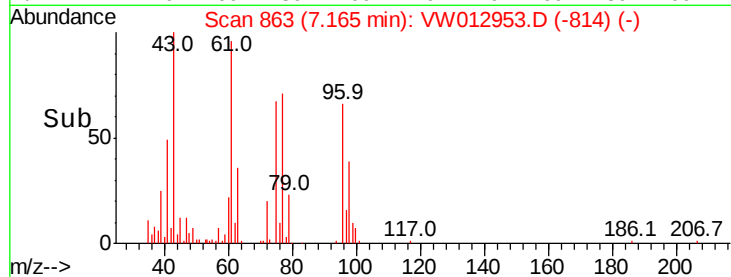
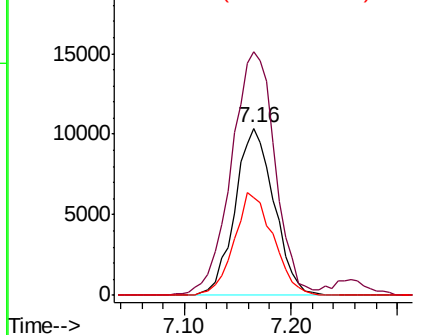
cis-1,2-Dichloroethene
Concen: 11.338 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.3	0.0	315.4
98	61.6	0.0	131.0



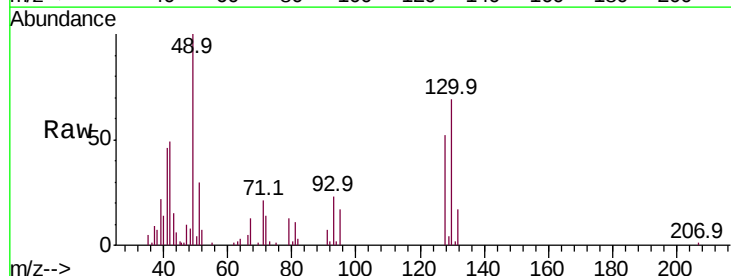
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



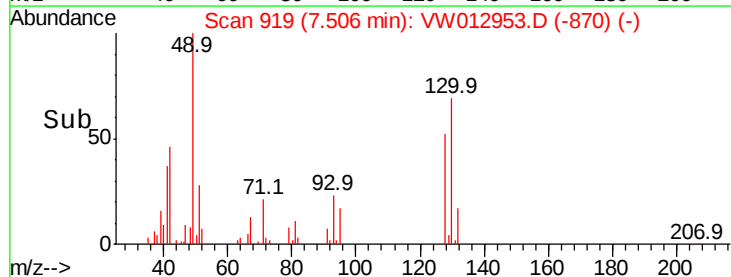
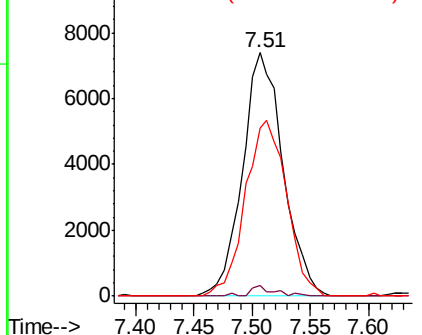
#28

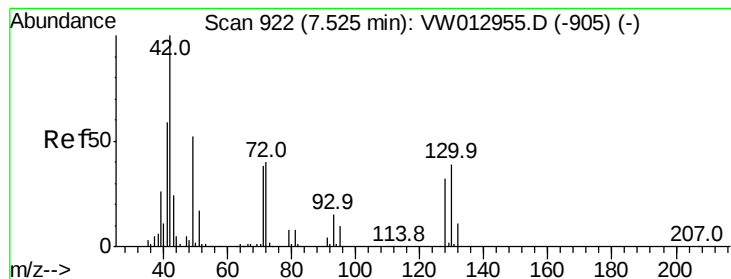
Bromochloromethane
Concen: 10.222 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	1.4#
130	73.5	57.8	86.6



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: 57.938 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

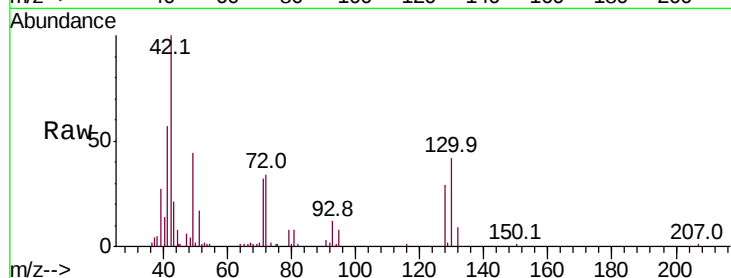
Tot Ion: 42 Resp: 25793

Ion Ratio Lower Upper

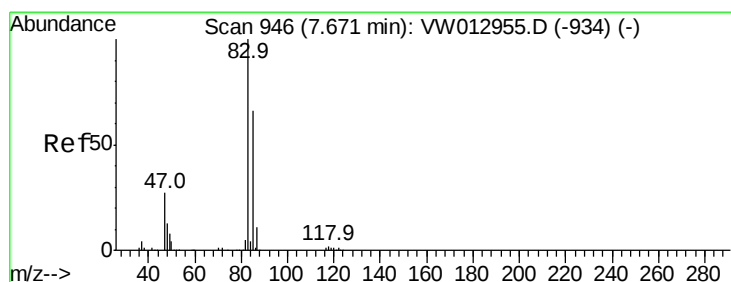
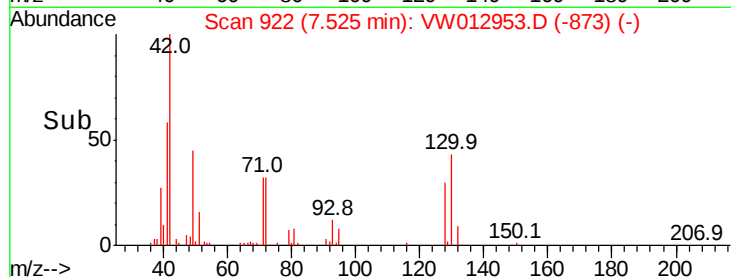
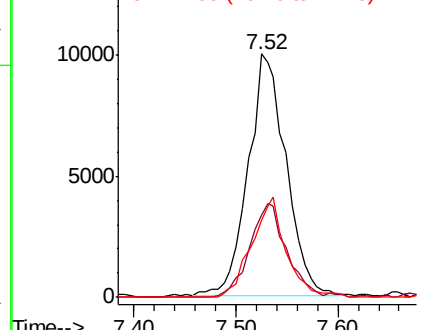
42 100

72 38.3 31.4 47.0

71 37.6 29.8 44.8



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: 11.286 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW012953.D

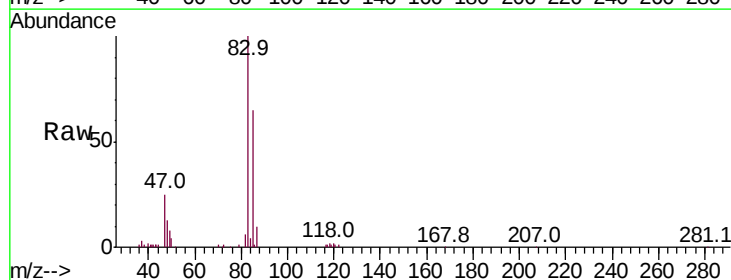
Acq: 13 Sep 2019 14:32

Tgt Ion: 83 Resp: 47887

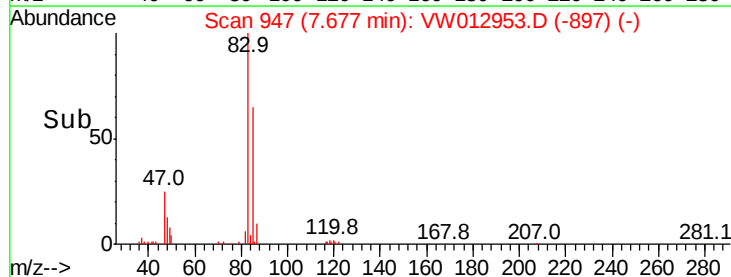
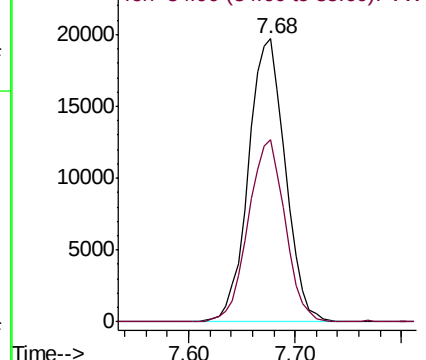
Ion Ratio Lower Upper

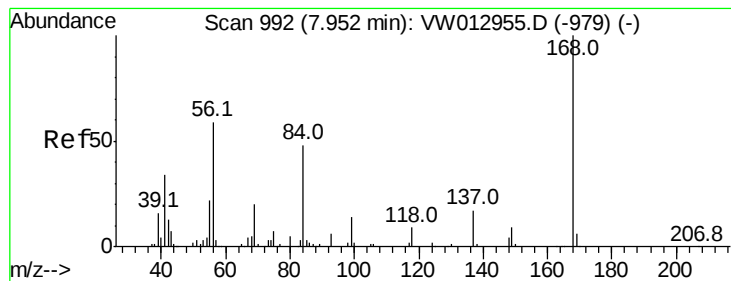
83 100

85 64.6 52.8 79.2



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





#31

Cyclohexane

Concen: 11.920 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

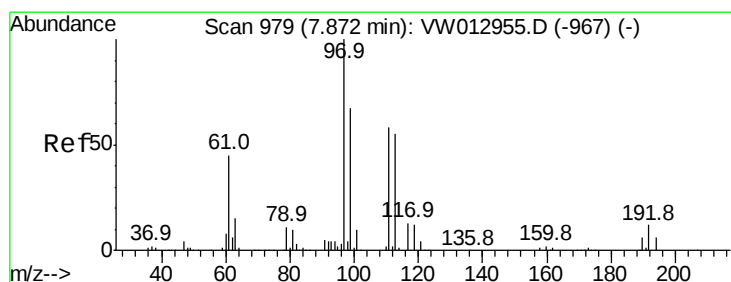
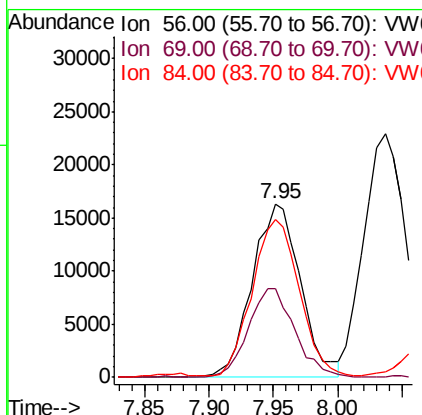
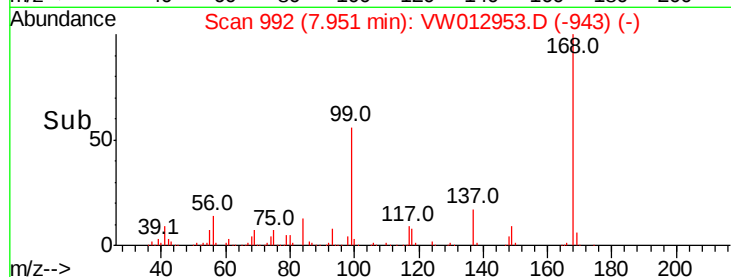
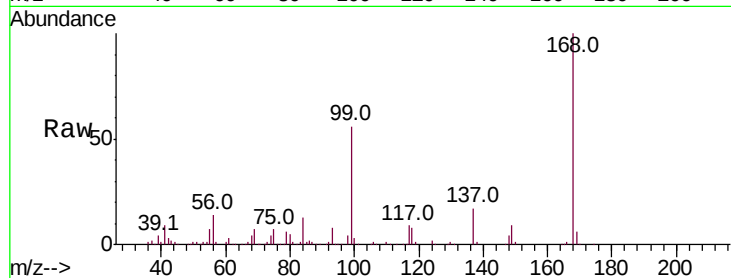
Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 42411

Ion	Ratio	Lower	Upper
56	100		
69	50.7	27.0	40.6#
84	89.6	66.2	99.2



#32

1,1,1-Trichloroethane

Concen: 11.250 ug/l

RT: 7.87 min Scan# 979

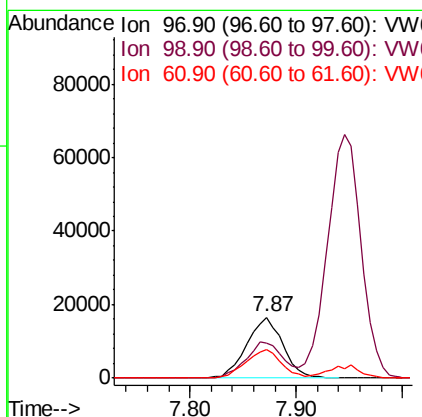
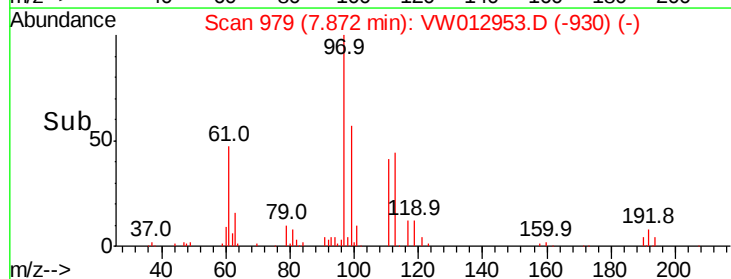
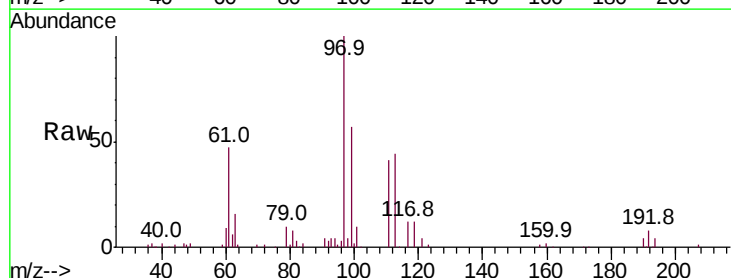
Delta R.T. -0.00 min

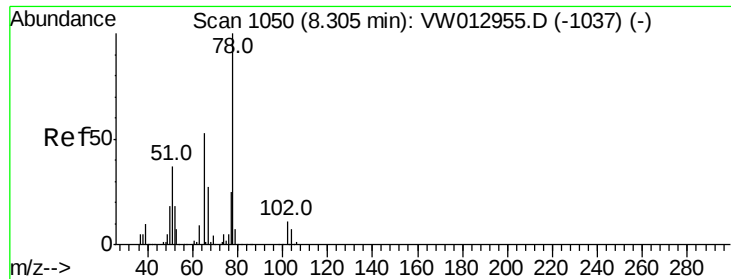
Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Tgt Ion: 97 Resp: 39311

Ion	Ratio	Lower	Upper
97	100		
99	61.6	53.0	79.4
61	46.8	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 10.594 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

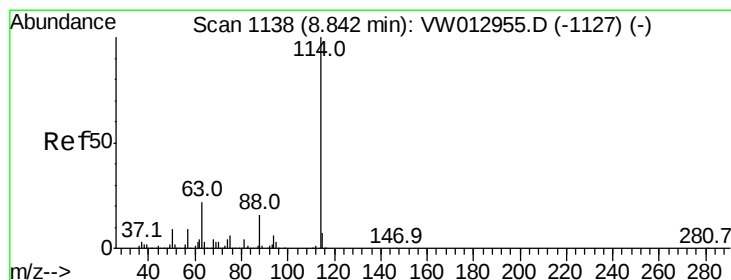
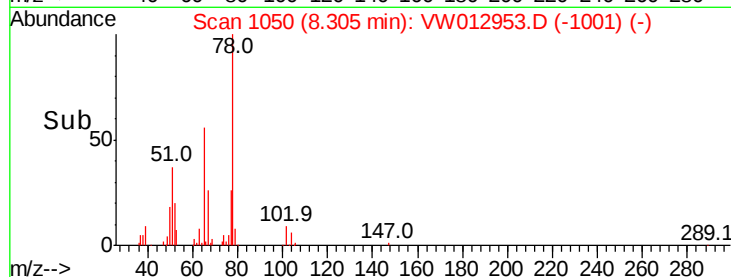
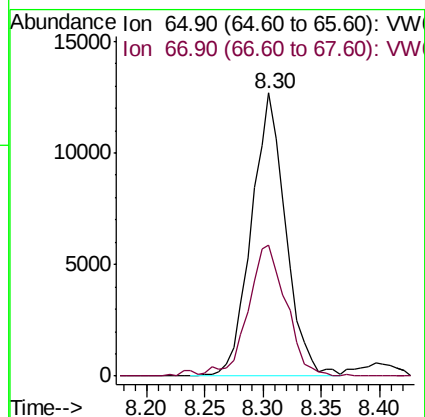
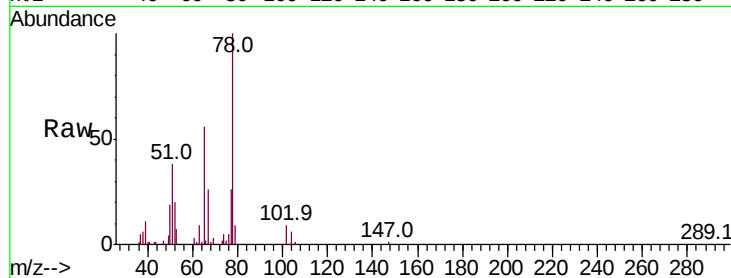
ClientSampleId :

Tot Ion: 65 Resp: 26031

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

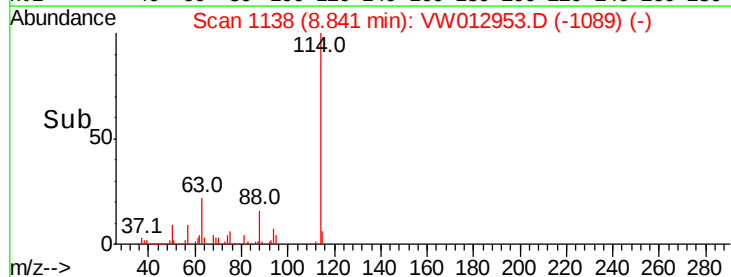
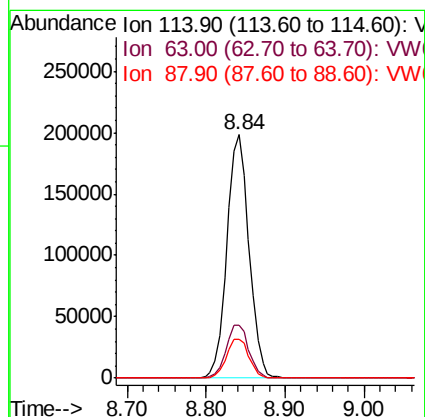
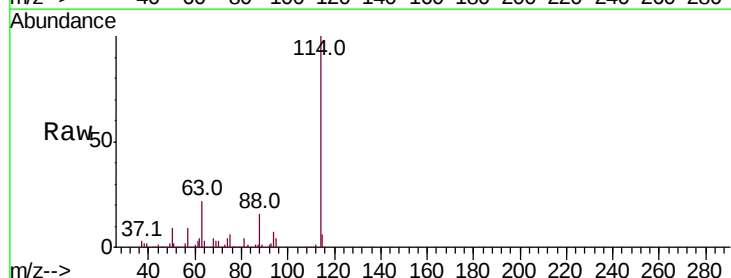
Tgt Ion: 114 Resp: 385632

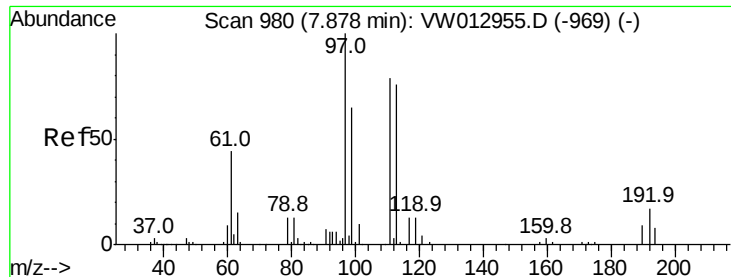
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

88 16.1 0.0 31.6

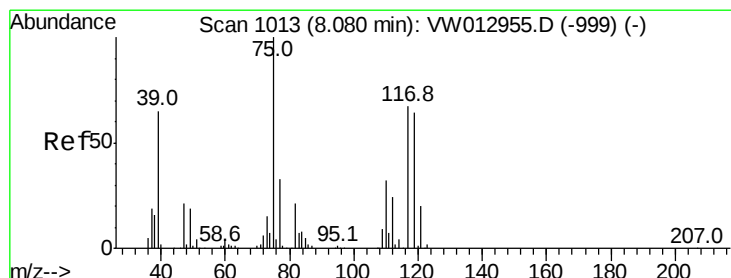
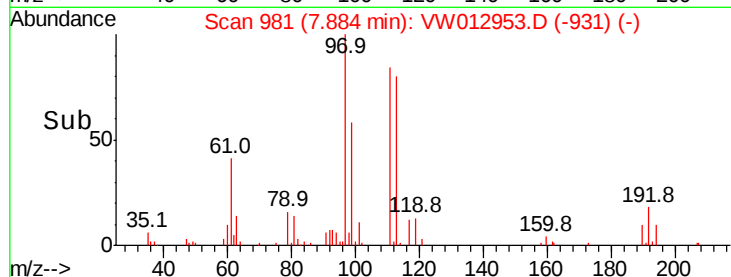
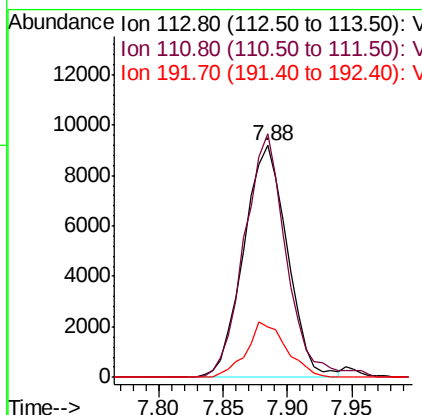
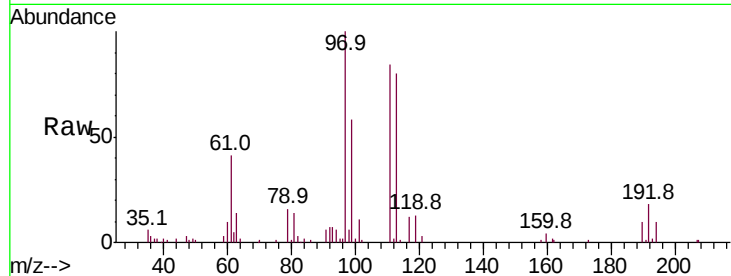




#35
 Dibromofluoromethane
 Concen: 10.325 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

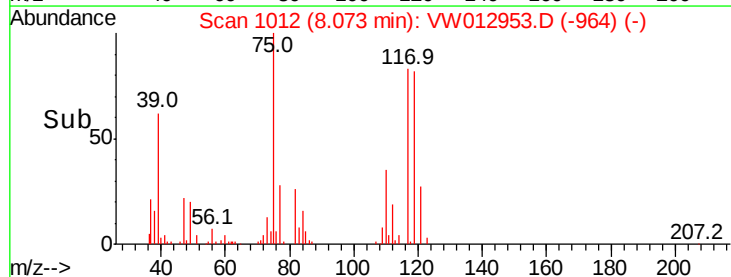
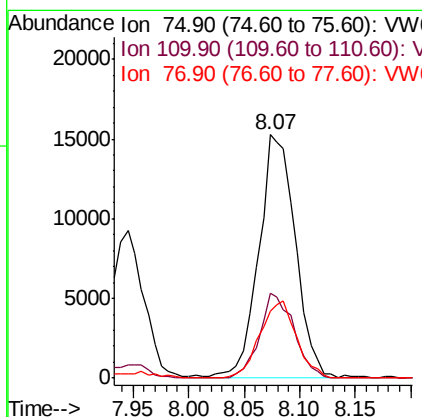
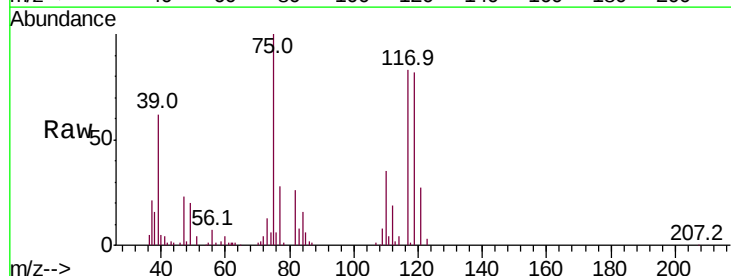
Instrument :
 MSVOA_W
 ClientSampleId :

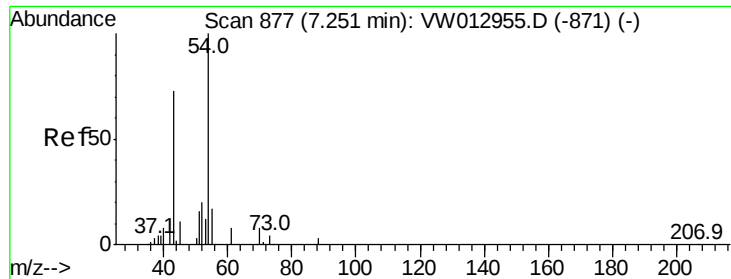
Tot Ion:113 Resp: 21604
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.8 124.2
 192 21.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 11.412 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 75 Resp: 35167
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.4 49.1
 77 31.5 25.1 37.7

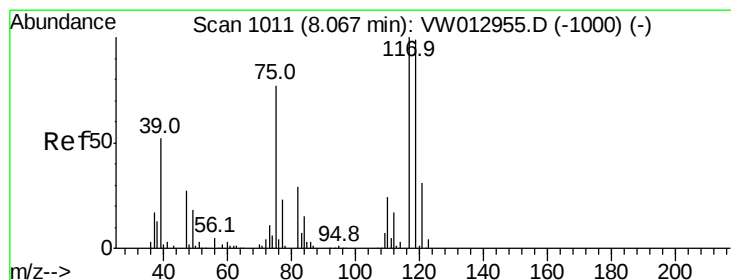
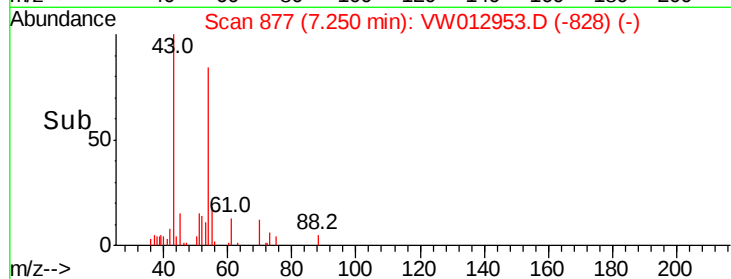
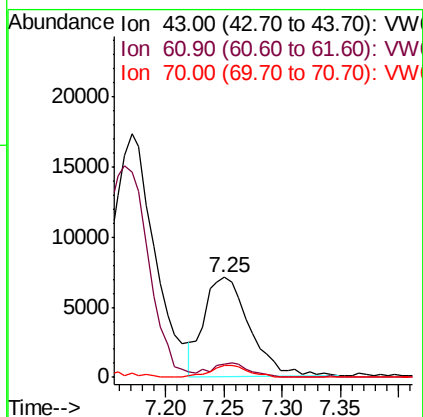
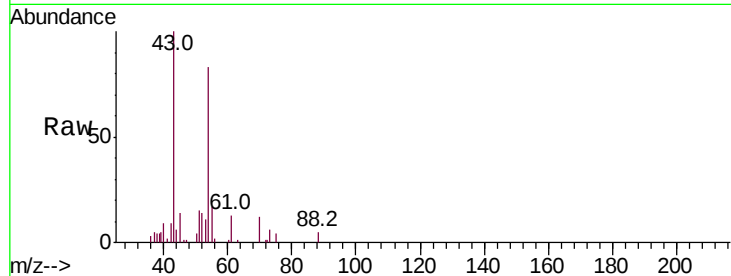




#37
Ethyl Acetate
Concen: 11.619 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

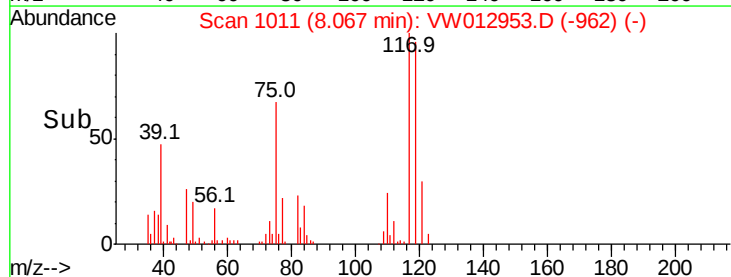
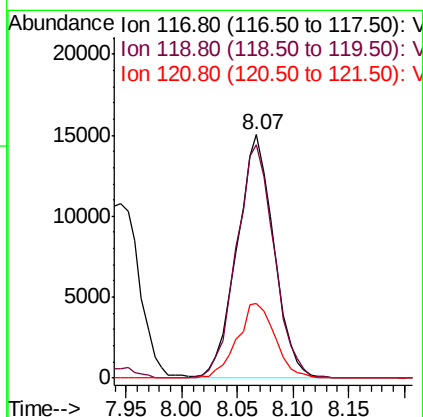
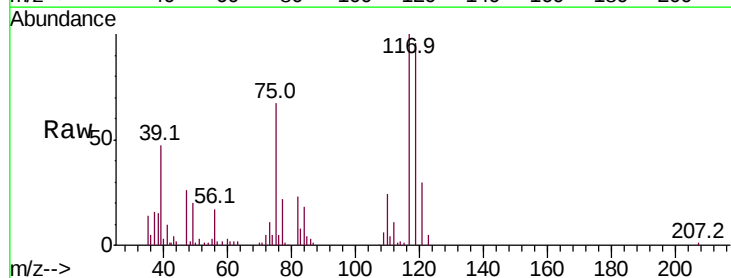
Instrument :
MSVOA_W
ClientSampleId :

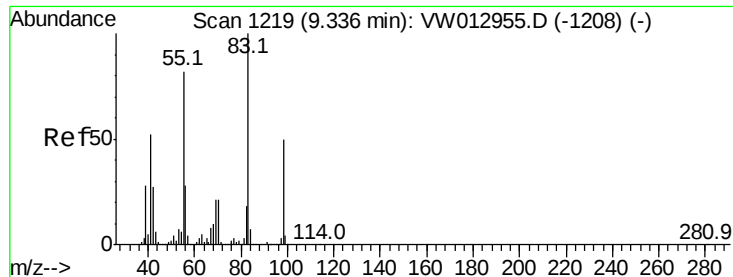
Tot Ion: 43 Resp: 19005
Ion Ratio Lower Upper
43 100
61 12.1 9.6 14.4
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 10.949 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion: 117 Resp: 34576
Ion Ratio Lower Upper
117 100
119 95.7 79.4 119.0
121 30.4 24.6 36.8

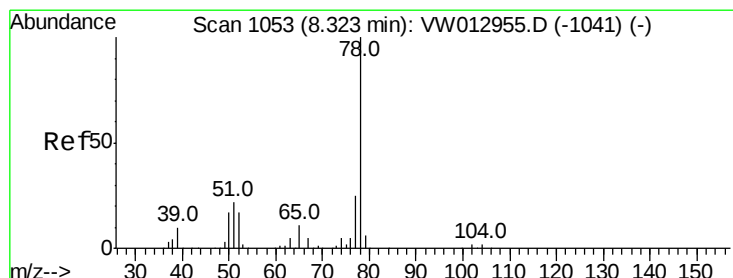
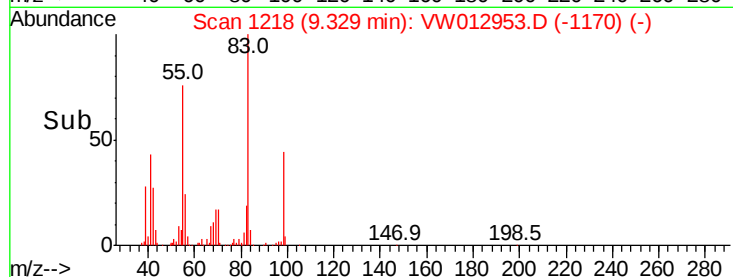
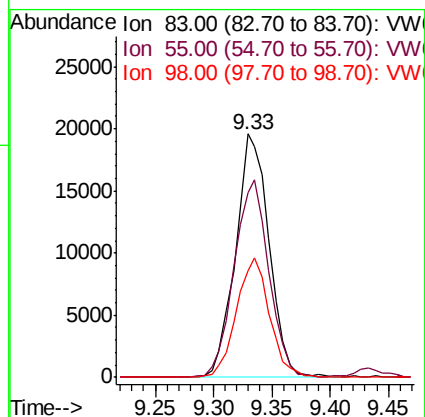
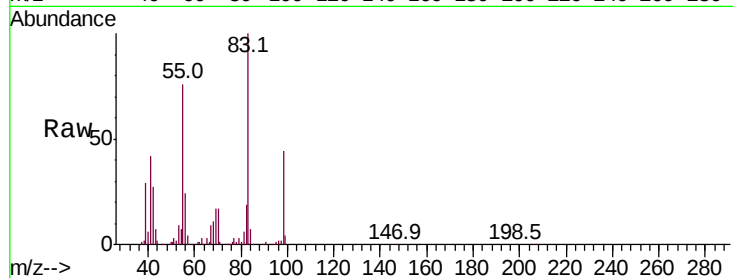




#39
Methvlcvclohexane
Concen: 11.597 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

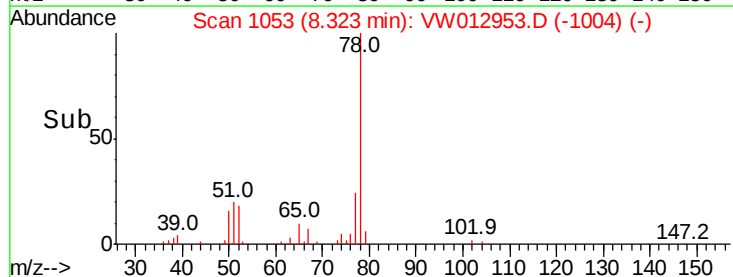
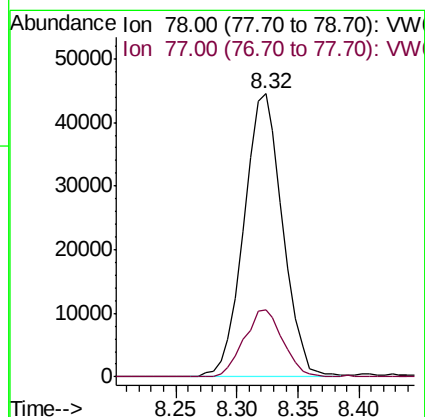
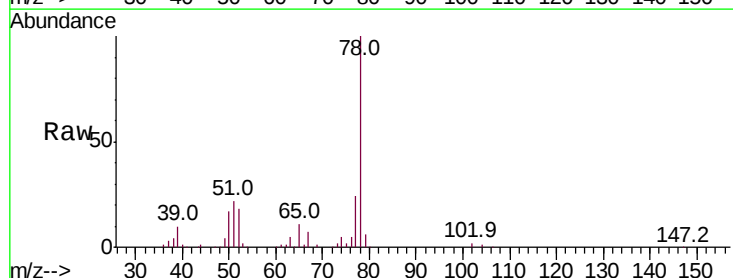
Instrument :
MSVOA_W
ClientSampled :

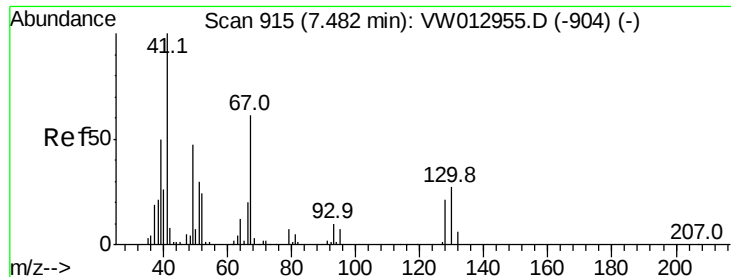
Tot Ion: 83 Resp: 39161
Ion Ratio Lower Upper
83 100
55 75.8 65.9 98.9
98 43.9 39.6 59.4



#40
Benzene
Concen: 11.401 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion: 78 Resp: 98074
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4

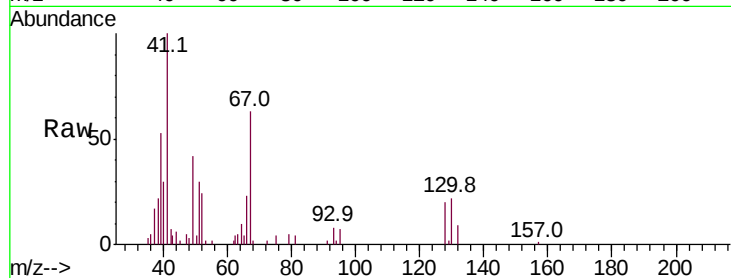




#41
Methacrylonitrile
Concen: 11.708 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.7	48.2	72.4#
67	58.6	47.5	71.3
52	24.2	21.0	31.4



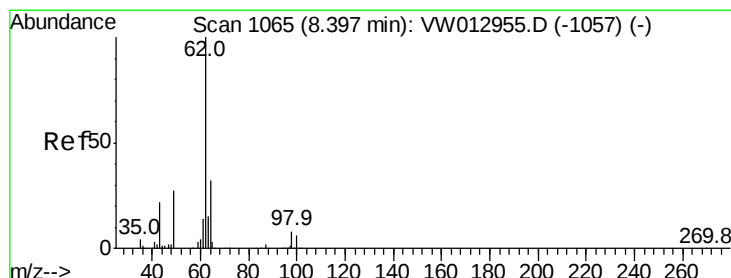
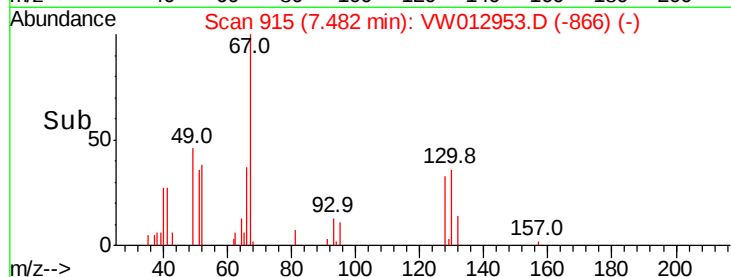
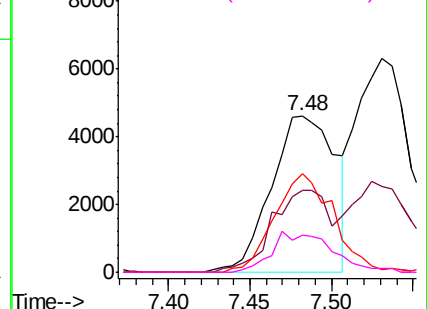
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

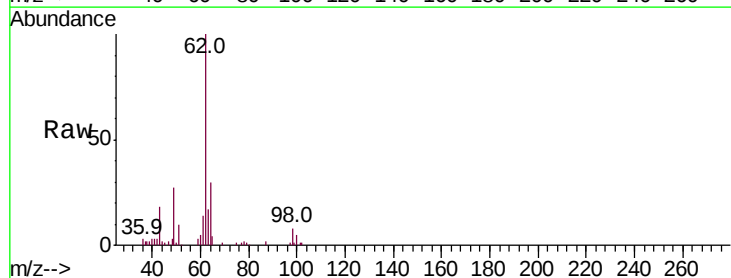
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 11.433 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

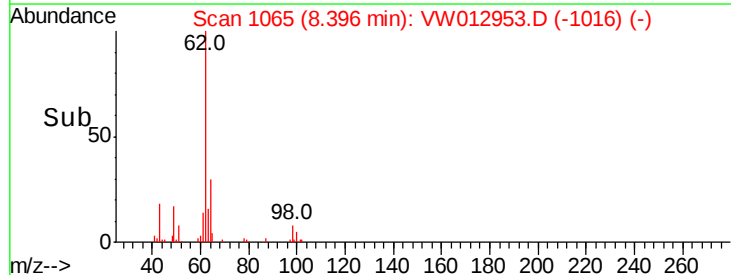
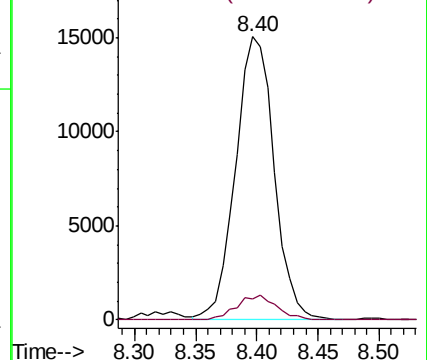
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.8

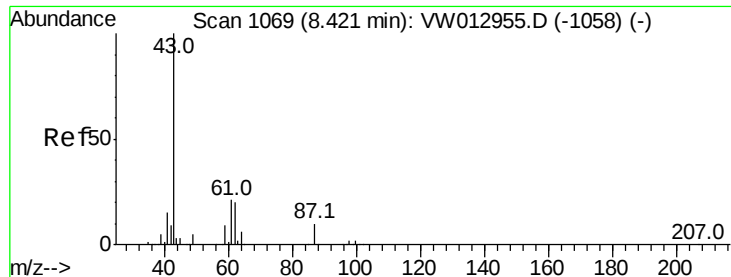


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 11.431 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

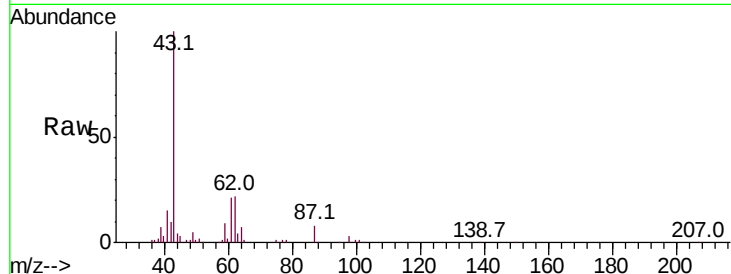
Tot Ion: 43 Resp: 35899

Ion Ratio Lower Upper

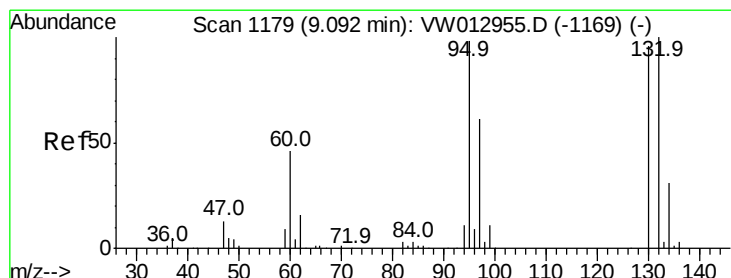
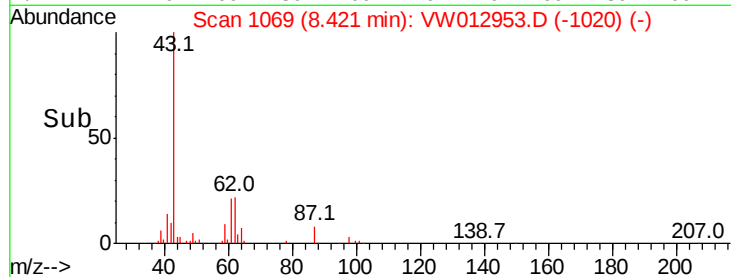
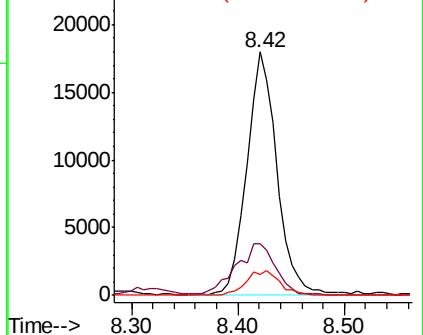
43 100

61 28.2 22.7 34.1

87 11.3 9.4 14.2



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



#44

Trichloroethene

Concen: 11.591 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012953.D

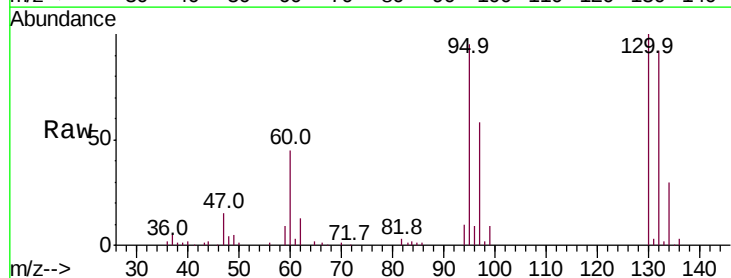
Acq: 13 Sep 2019 14:32

Tgt Ion:130 Resp: 27312

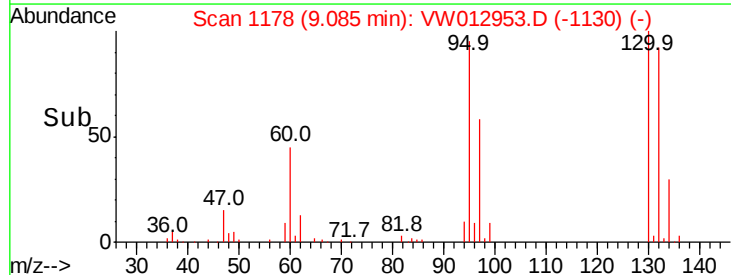
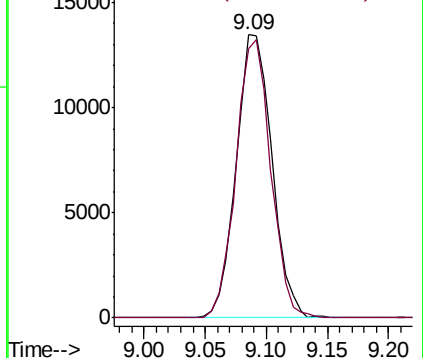
Ion Ratio Lower Upper

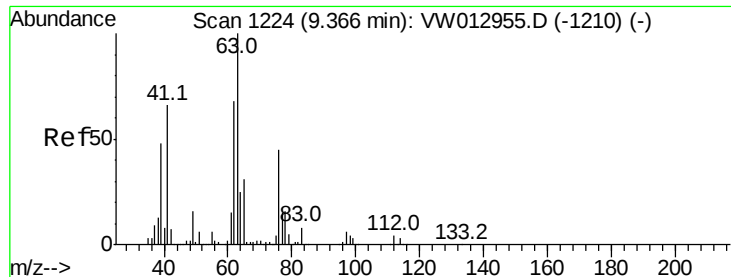
130 100

95 95.1 0.0 204.4



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





#45

1,2-Dichloropropane

Concen: 11.232 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

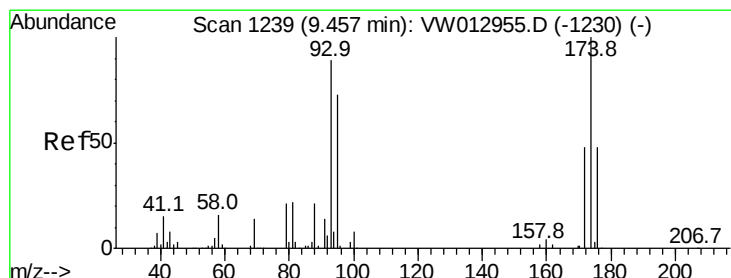
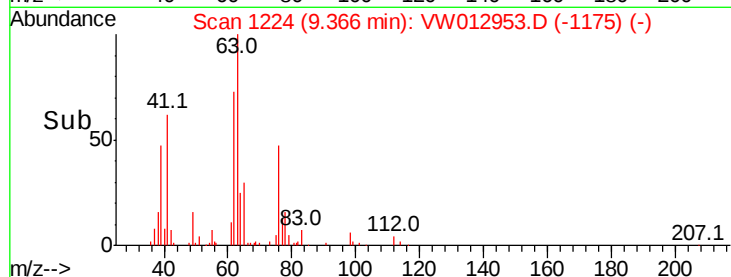
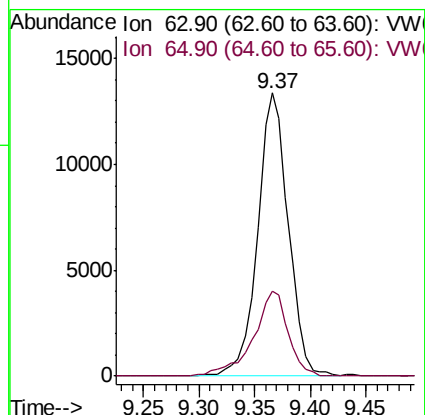
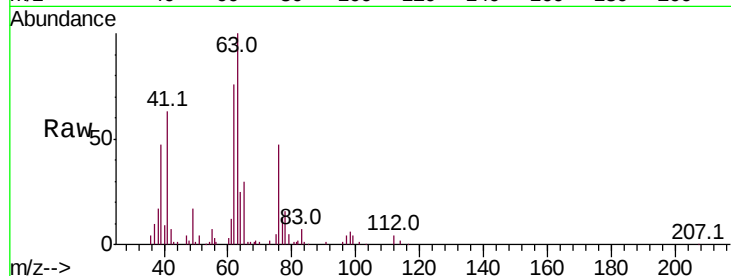
ClientSampleId :

Tot Ion: 63 Resp: 25672

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 11.385 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

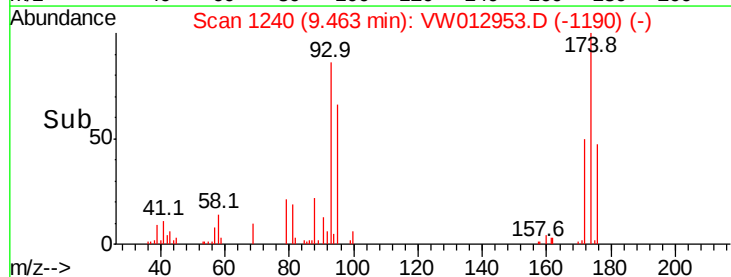
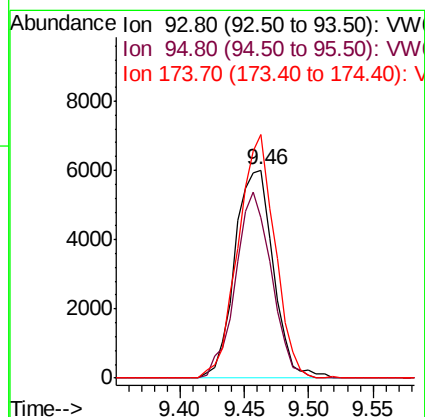
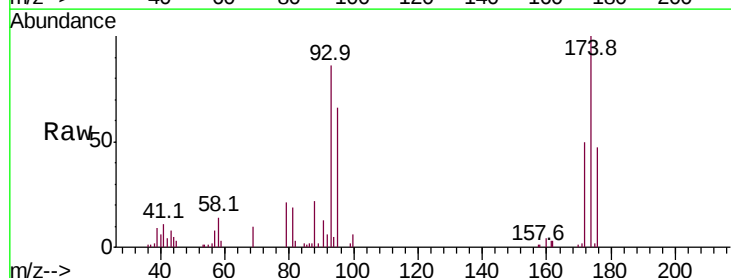
Tgt Ion: 93 Resp: 12467

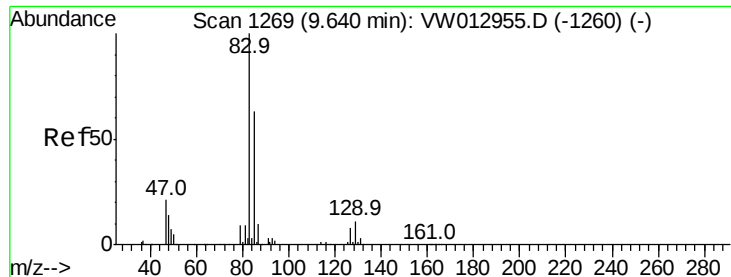
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 110.9 90.5 135.7





#47

Bromodichloromethane

Concen: 11.031 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

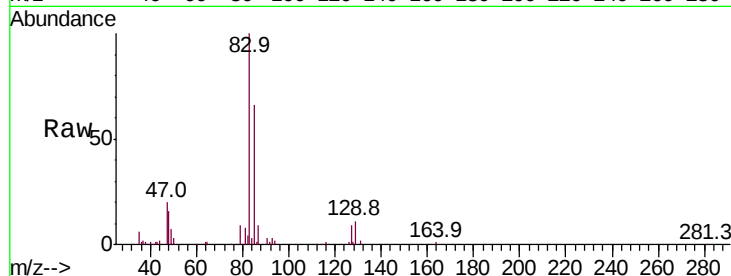
Tot Ion: 83 Resp: 33882

Ion Ratio Lower Upper

83 100

85 66.0 50.6 75.8

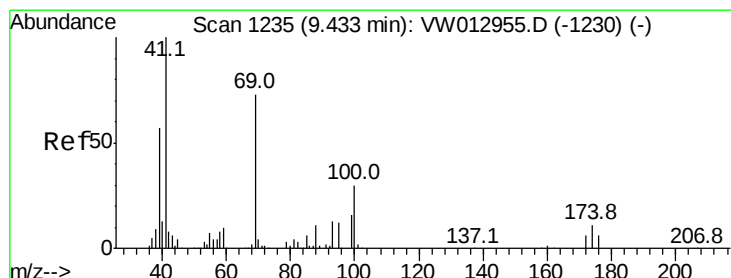
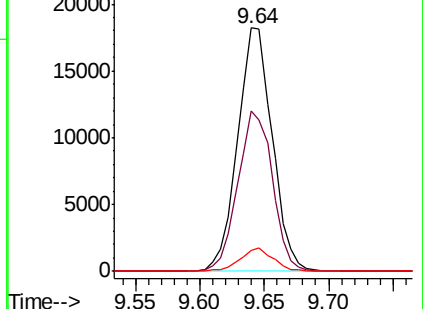
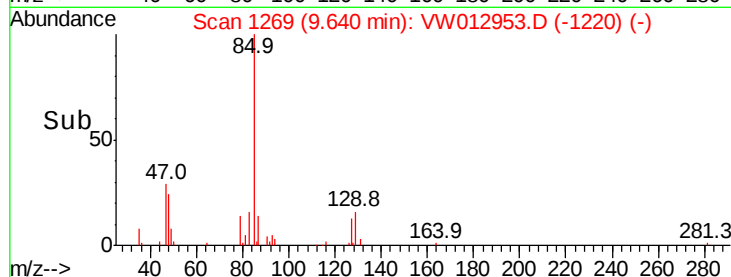
127 8.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 11.246 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

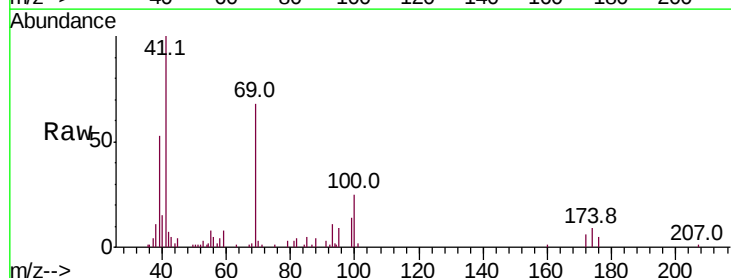
Tgt Ion: 41 Resp: 16576

Ion Ratio Lower Upper

41 100

69 74.2 62.8 94.2

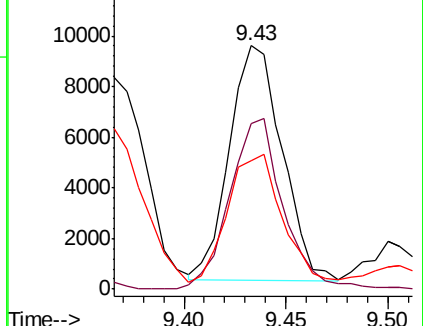
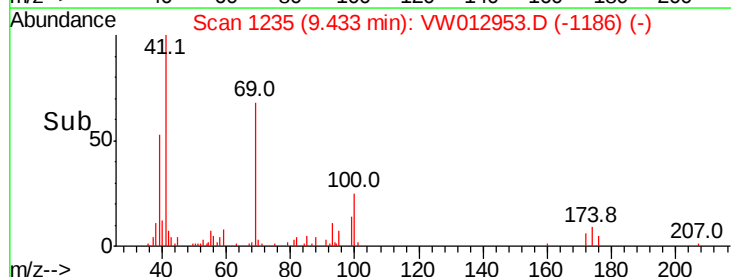
39 62.9 48.5 72.7

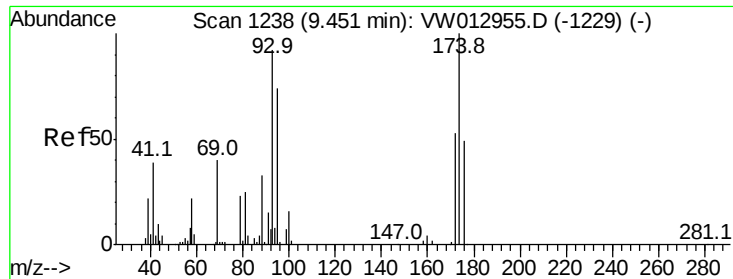


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW



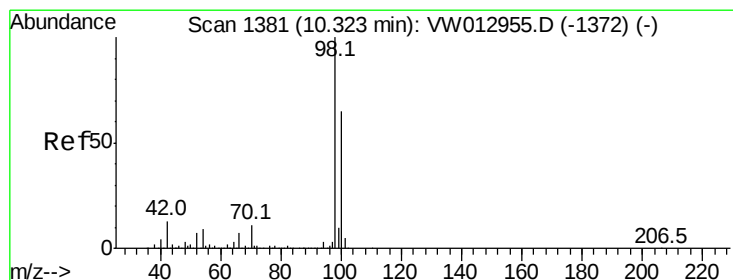
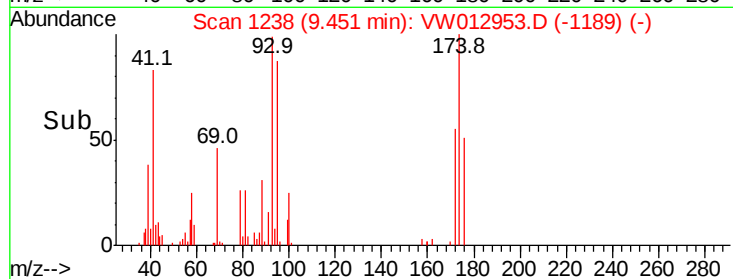
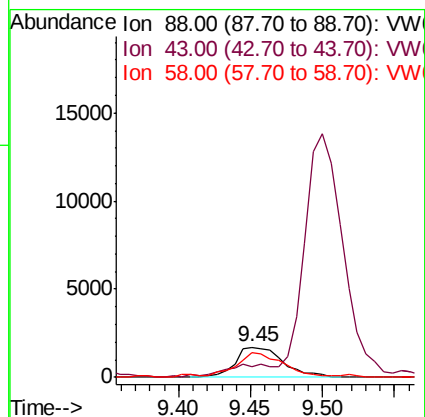
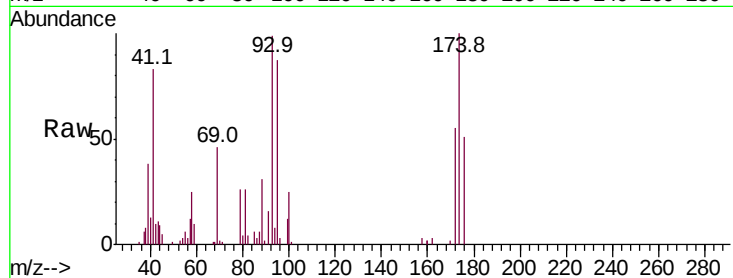


#49
 1,4-Dioxane
 Concen: 212.280 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 3895

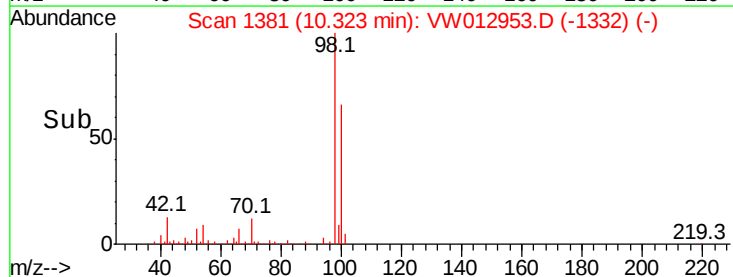
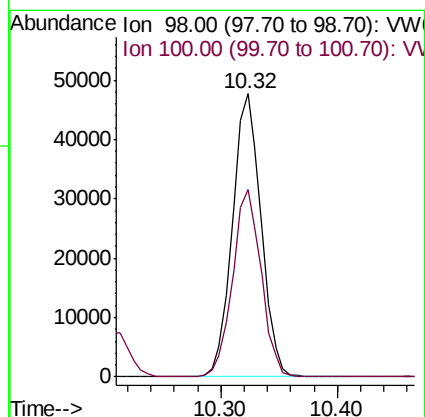
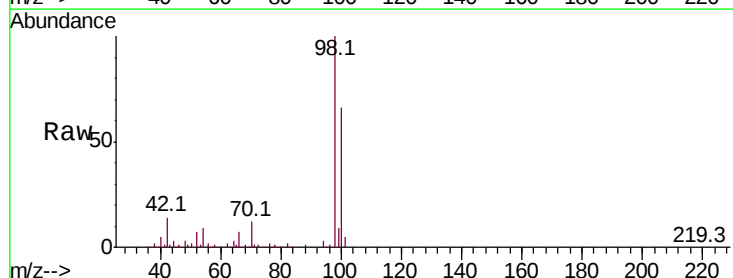
Ion	Ratio	Lower	Upper
88	100		
43	41.5	31.3	46.9
58	77.0	60.2	90.2

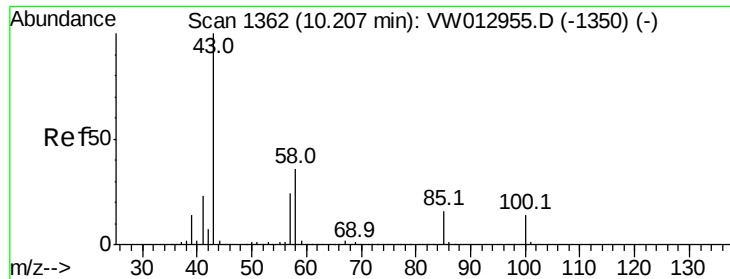


#50
 Toluene-d8
 Concen: 9.955 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 98 Resp: 81511

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 57.872 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

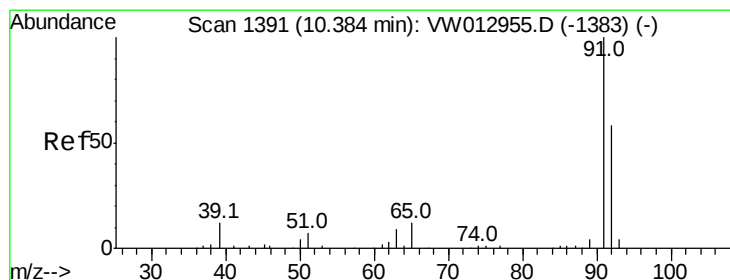
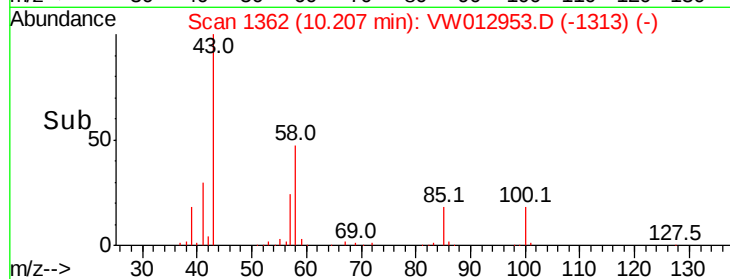
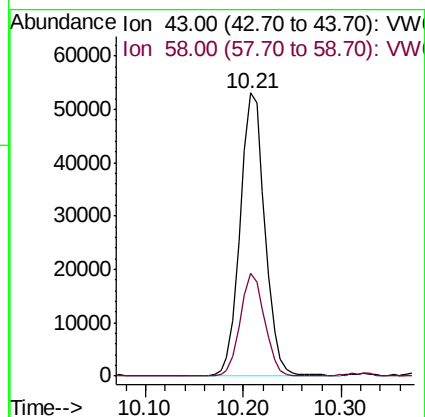
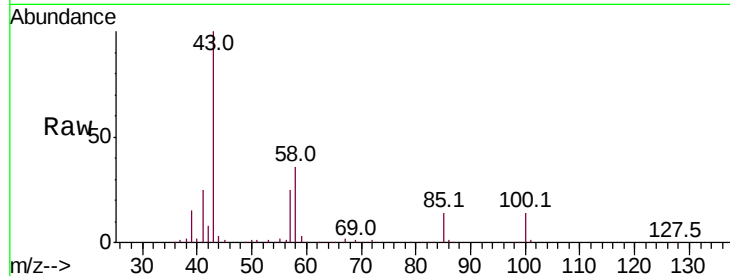
ClientSampled :

Tot Ion: 43 Resp: 93831

Ion Ratio Lower Upper

43 100

58 35.6 29.5 44.3



#52

Toluene

Concen: 11.193 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012953.D

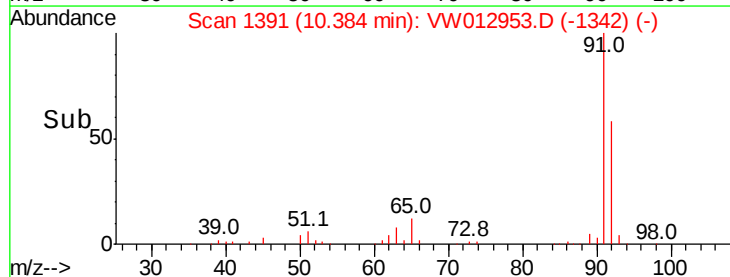
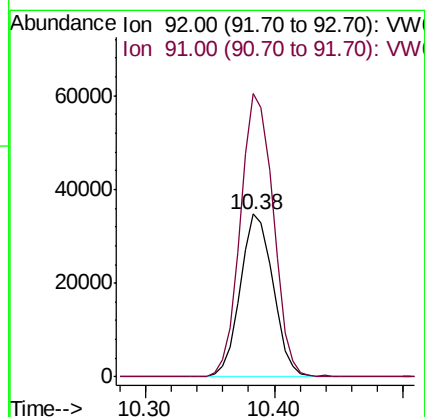
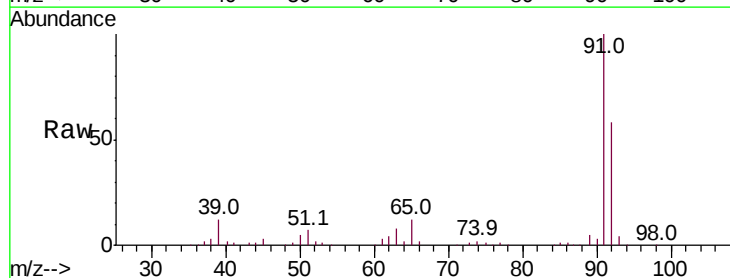
Acq: 13 Sep 2019 14:32

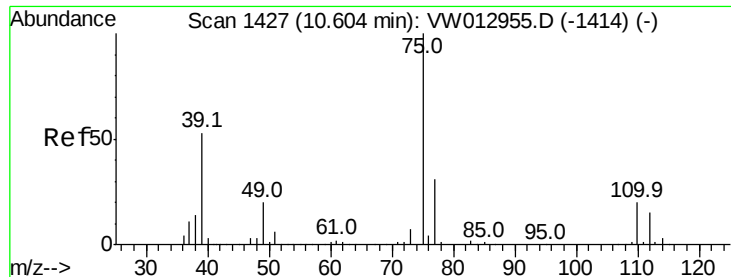
Tgt Ion: 92 Resp: 61185

Ion Ratio Lower Upper

92 100

91 174.0 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 10.671 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

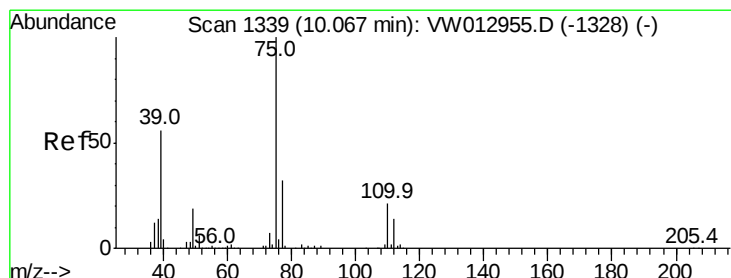
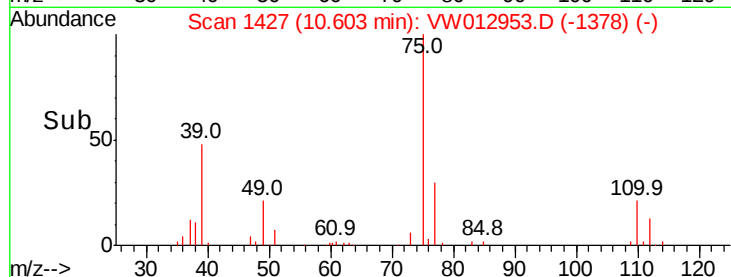
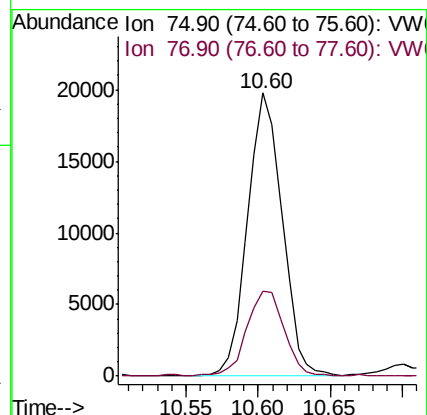
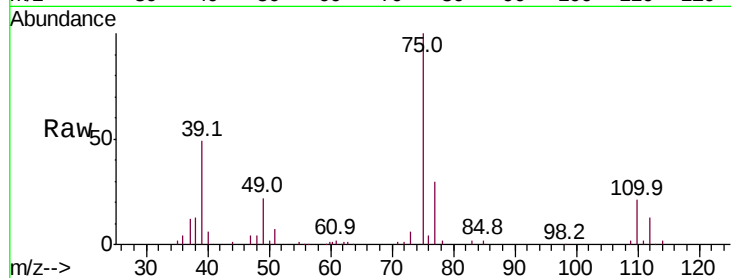
ClientSampled :

Tot Ion: 75 Resp: 32965

Ion Ratio Lower Upper

75 100

77 29.6 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 10.897 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

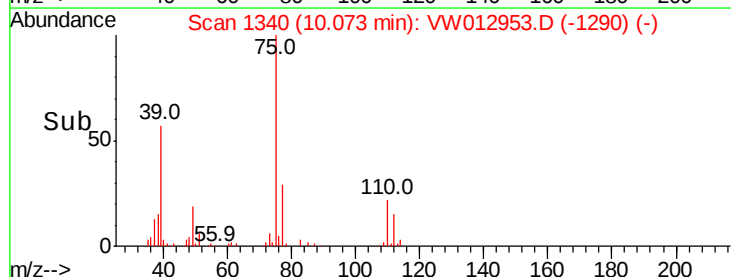
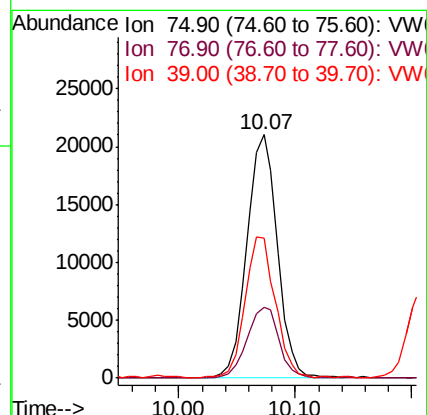
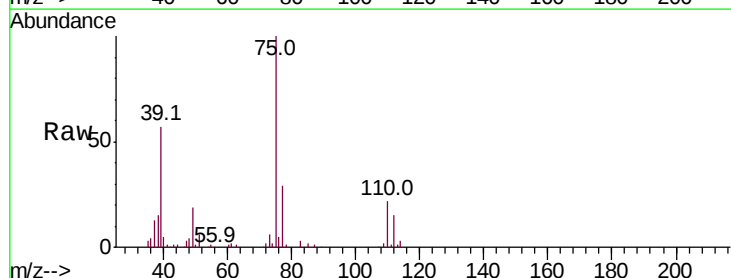
Tgt Ion: 75 Resp: 38515

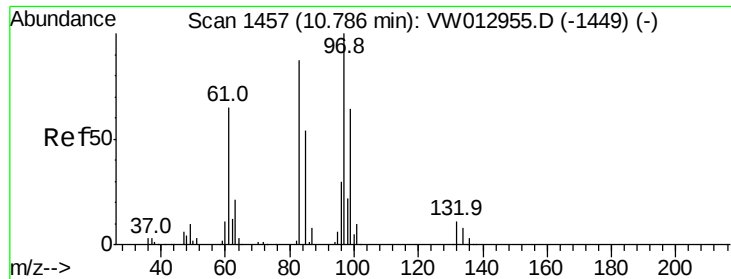
Ion Ratio Lower Upper

75 100

77 29.1 25.5 38.3

39 57.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 11.127 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 18562

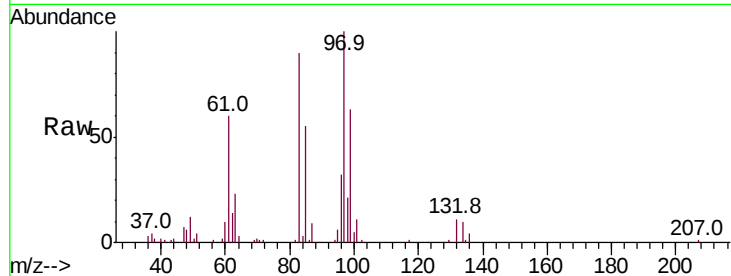
Ion Ratio Lower Upper

97 100

83 90.0 69.4 104.0

85 54.6 43.3 64.9

99 63.5 50.9 76.3



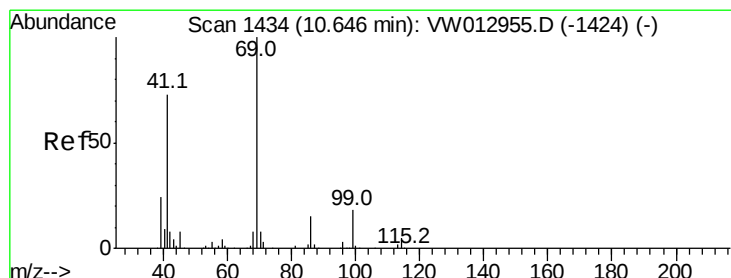
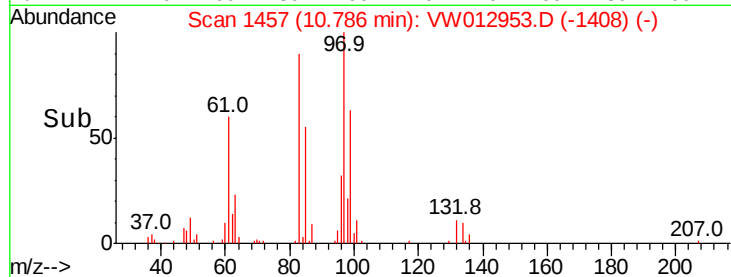
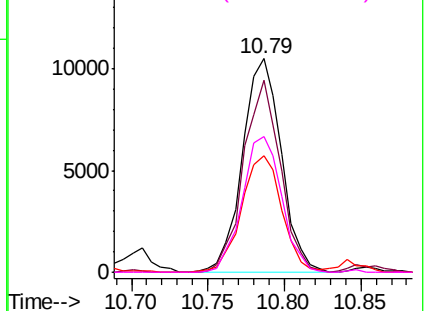
Abundance

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: 10.955 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

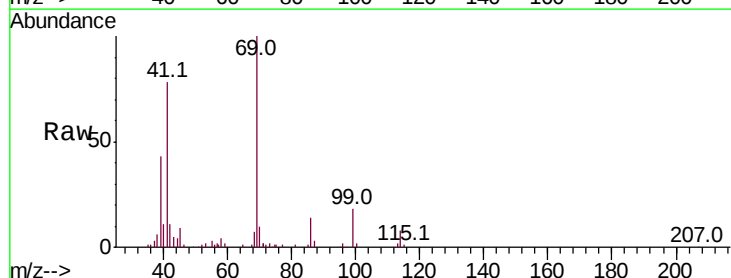
Tgt Ion: 69 Resp: 24598

Ion Ratio Lower Upper

69 100

41 77.9 60.8 91.2

39 39.5 29.4 44.0

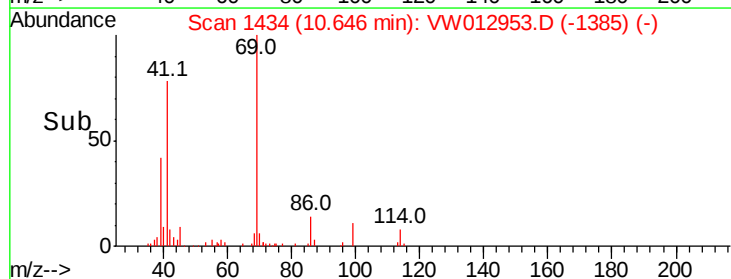
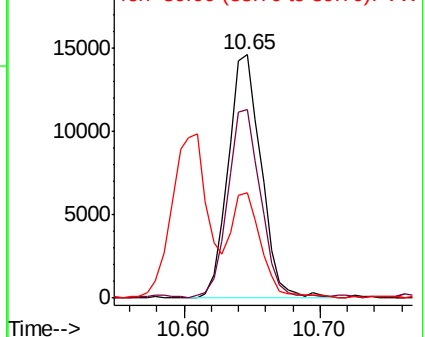


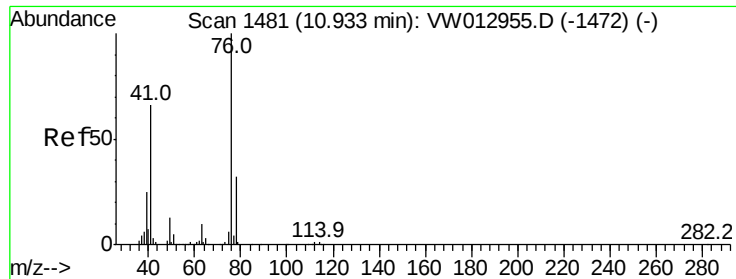
Abundance

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: 11.062 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

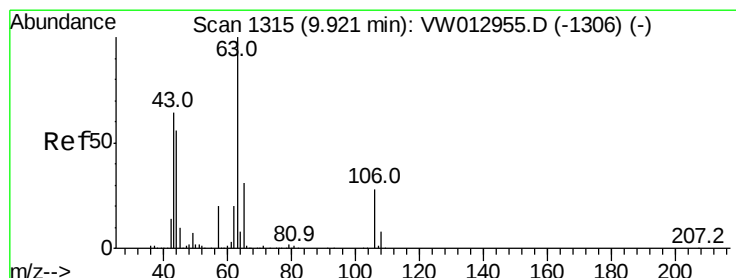
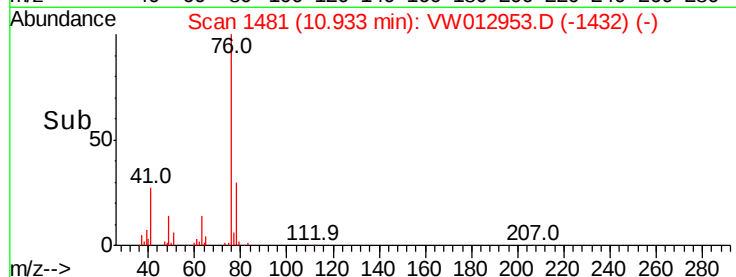
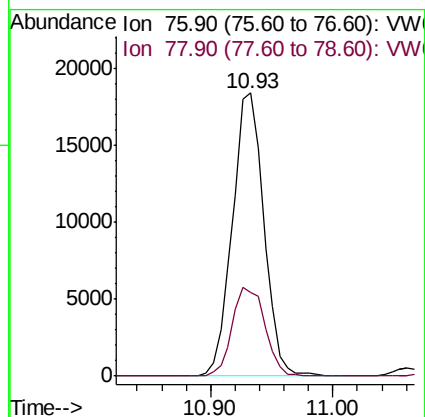
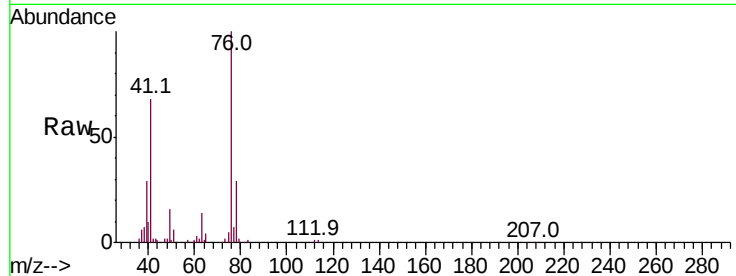
ClientSampled :

Tot Ion: 76 Resp: 32734

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 49.658 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW012953.D

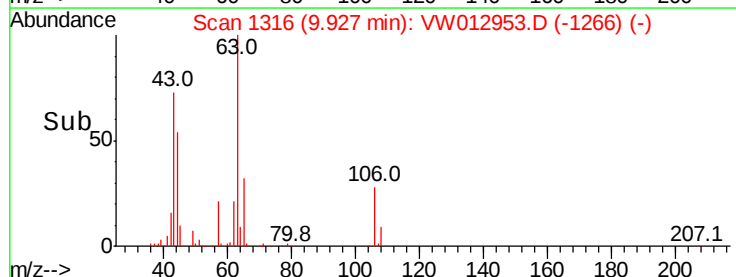
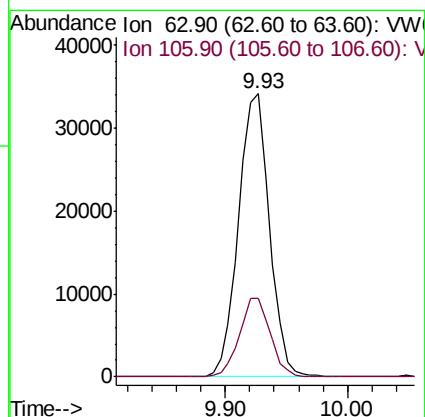
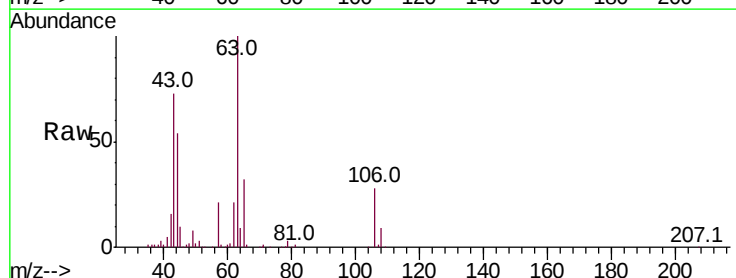
Acq: 13 Sep 2019 14:32

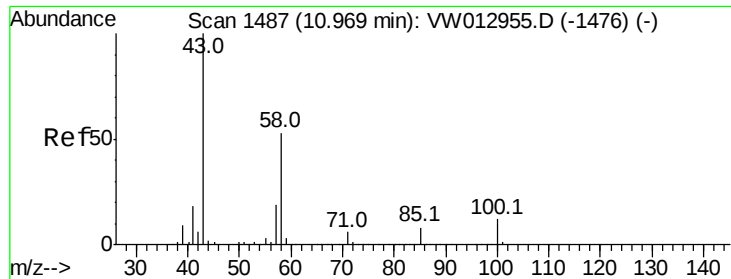
Tgt Ion: 63 Resp: 59812

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2





#59

2-Hexanone

Concen: 57.843 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

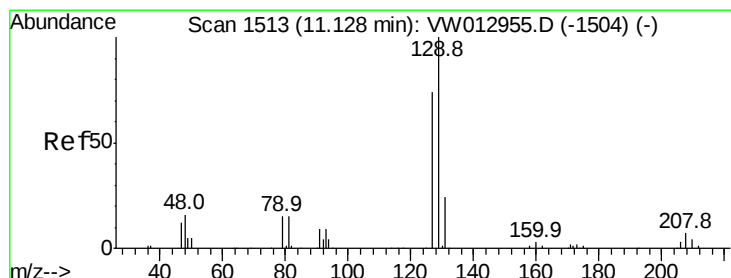
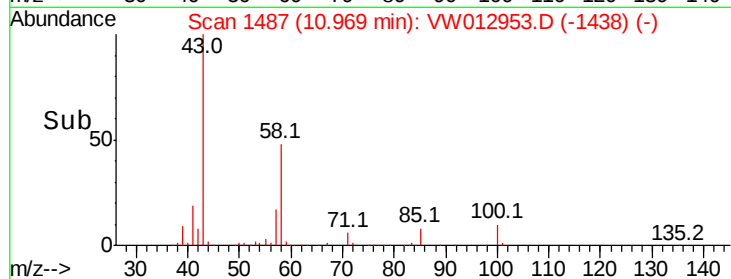
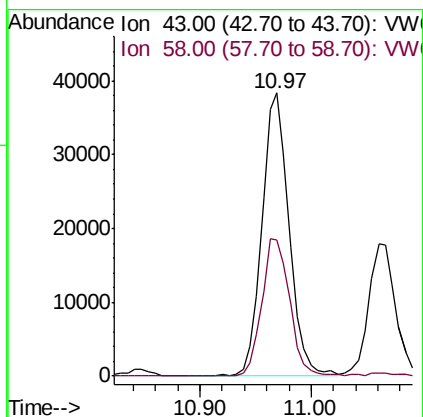
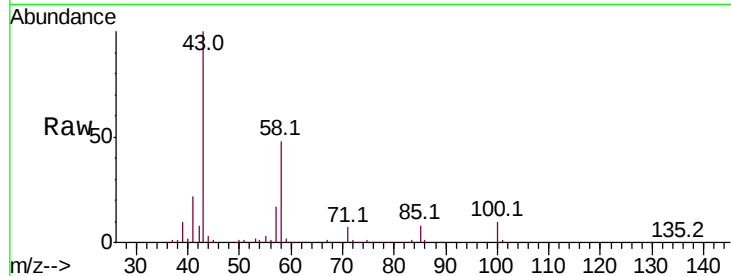
ClientSampled :

Tot Ion: 43 Resp: 65303

Ion Ratio Lower Upper

43 100

58 49.5 25.8 77.3



#60

Dibromochloromethane

Concen: 10.684 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012953.D

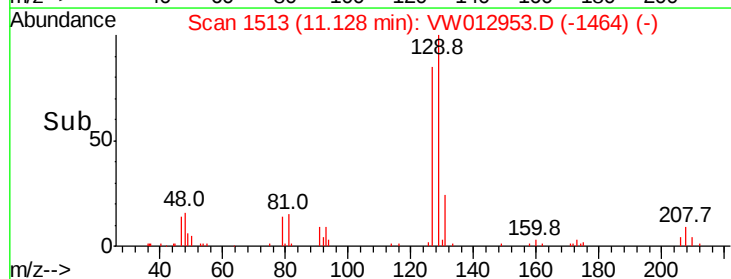
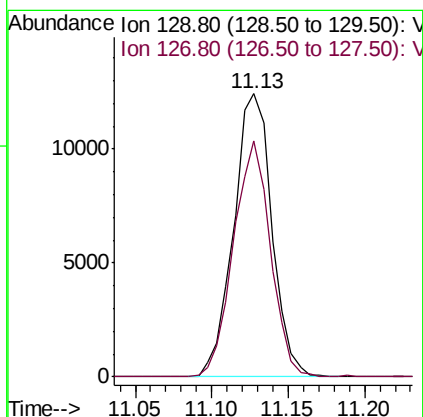
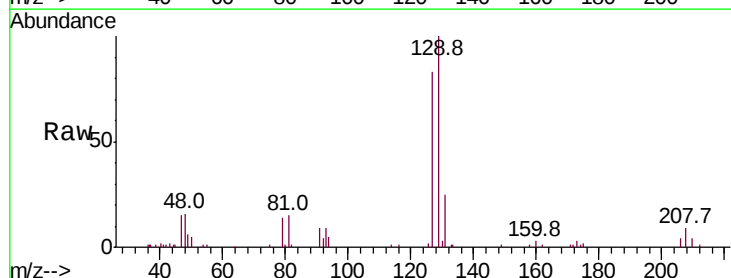
Acq: 13 Sep 2019 14:32

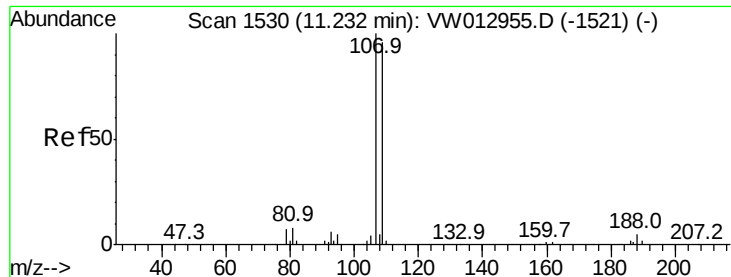
Tgt Ion: 129 Resp: 21547

Ion Ratio Lower Upper

129 100

127 80.5 37.4 112.2

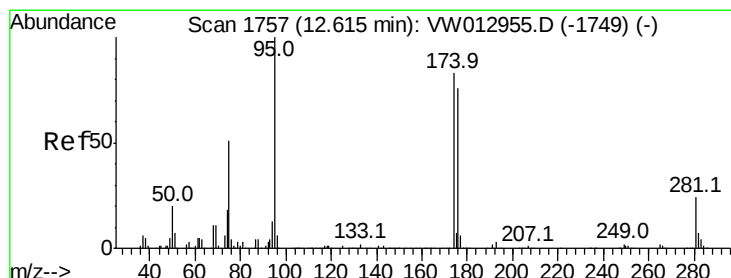
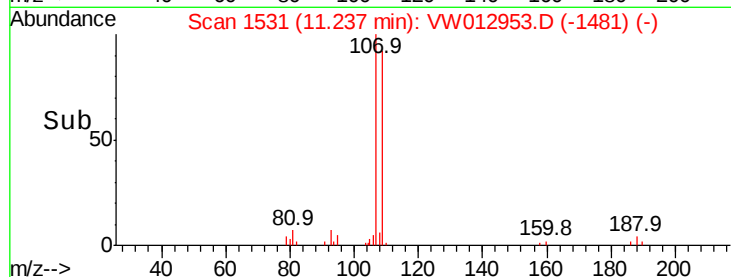
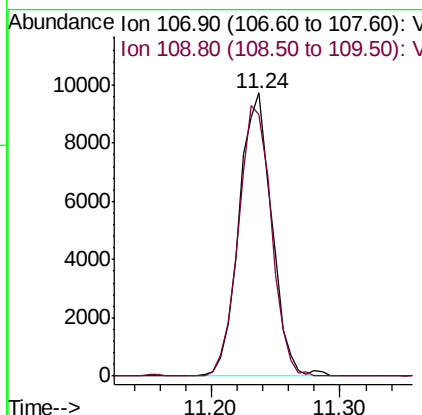
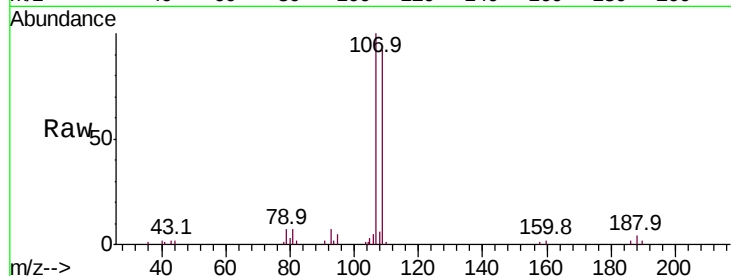




#61
 1,2-Dibromoethane
 Concen: 11.191 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

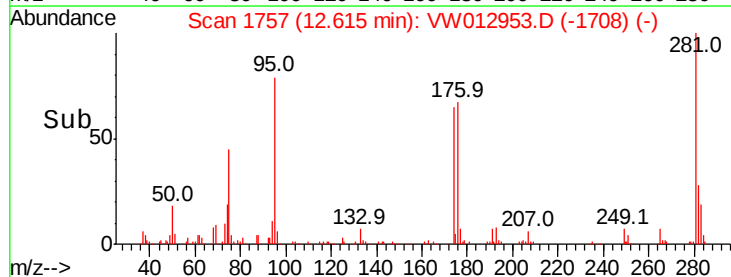
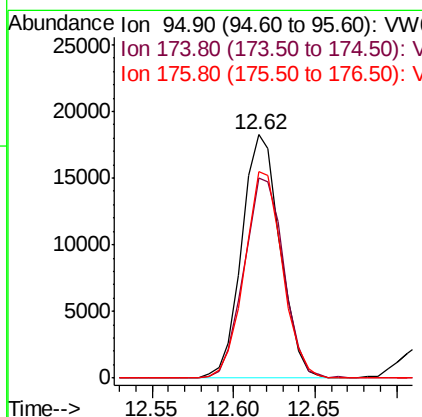
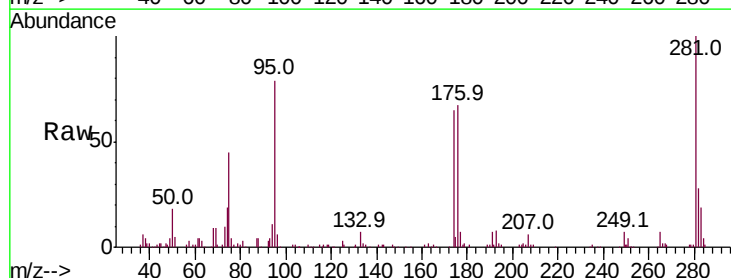
Instrument :
 MSVOA_W
 ClientSampled :

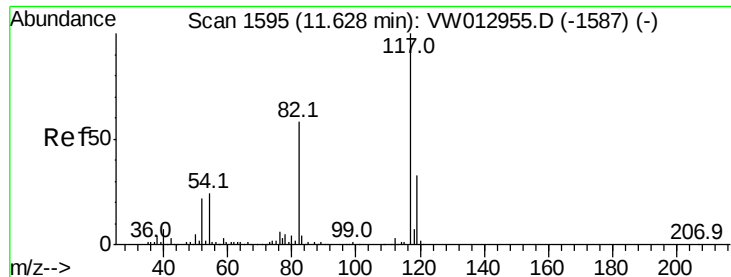
Tot Ion:107 Resp: 17030
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 10.141 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion: 95 Resp: 29858
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 170.4
 176 83.8 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

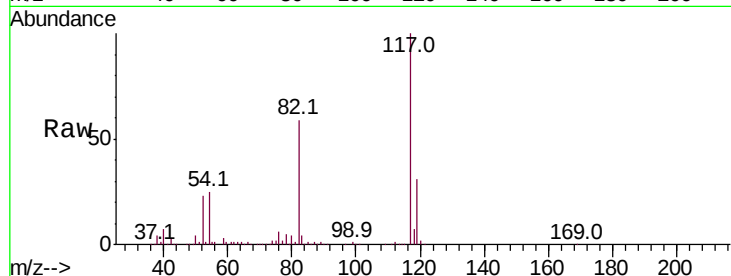
Tot Ion:117 Resp: 331195

Ion Ratio Lower Upper

117 100

82 58.7 46.3 69.5

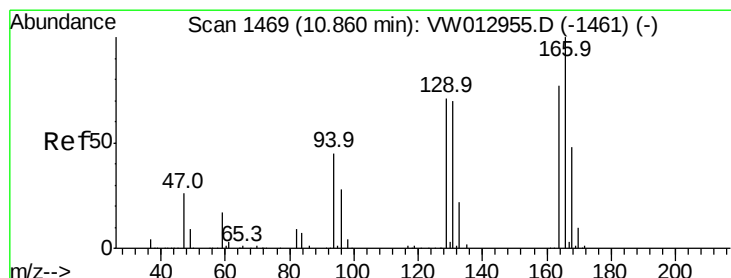
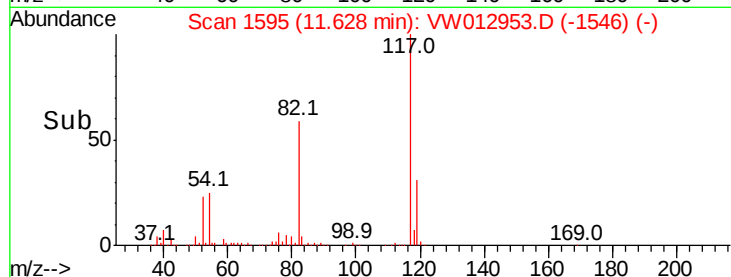
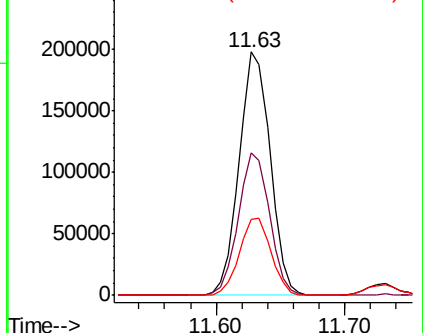
119 31.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 11.534 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Tgt Ion:164 Resp: 22725

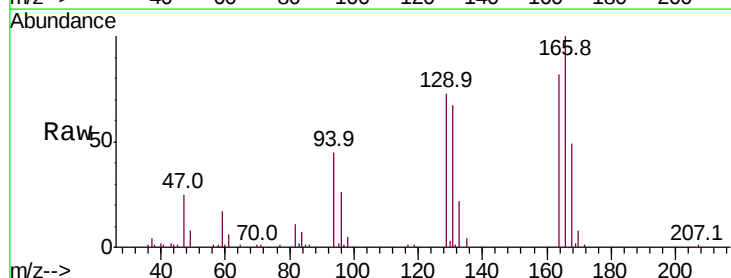
Ion Ratio Lower Upper

164 100

166 121.9 103.3 154.9

129 89.1 73.8 110.8

131 82.2 72.0 108.0

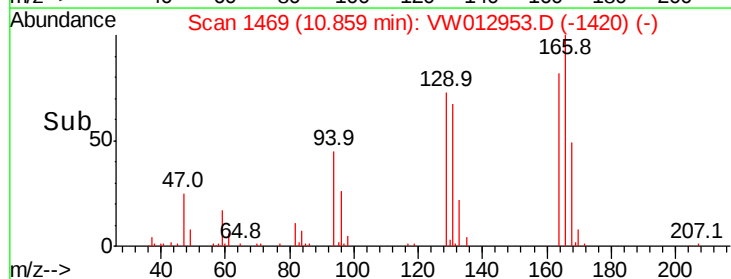
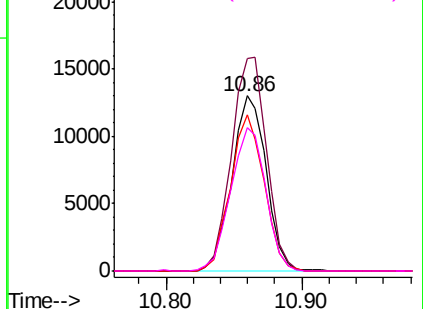


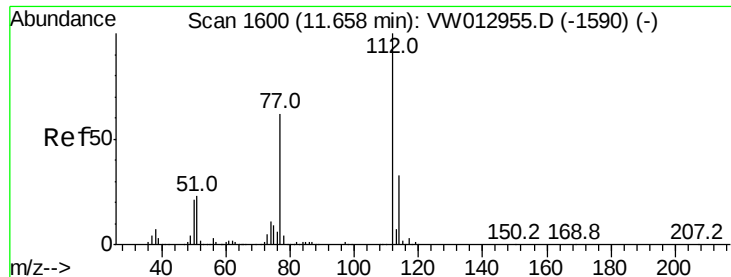
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 11.030 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

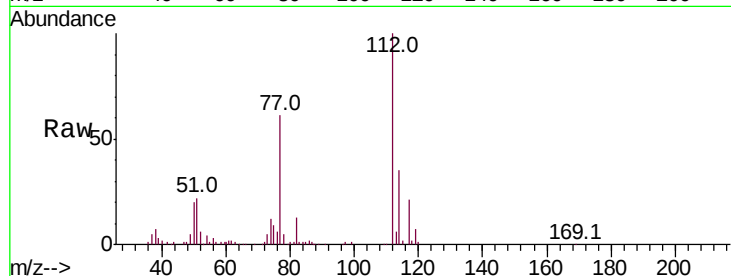
ClientSampleId :

Tot Ion:112 Resp: 65069

Ion Ratio Lower Upper

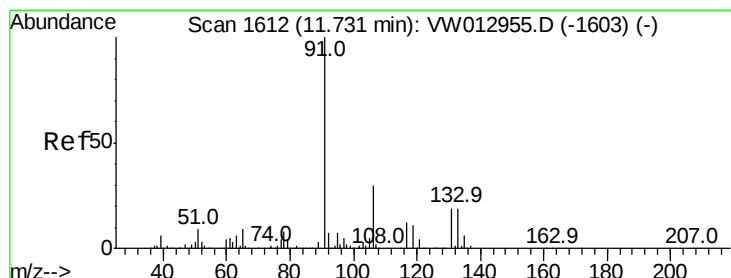
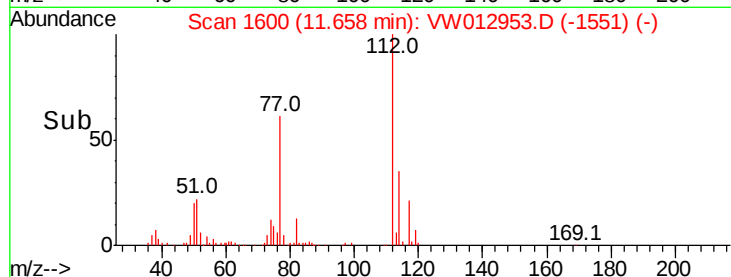
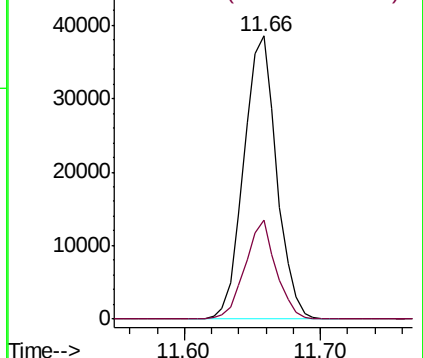
112 100

114 34.9 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.867 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

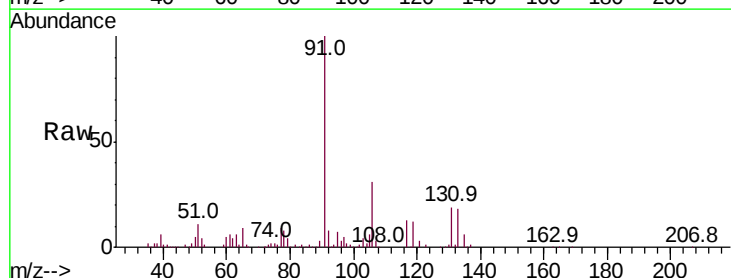
Tgt Ion:131 Resp: 24567

Ion Ratio Lower Upper

131 100

133 93.4 47.9 143.8

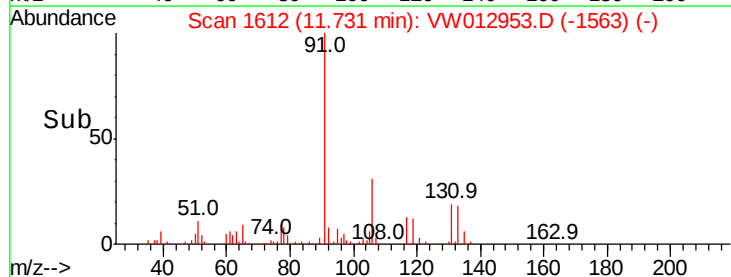
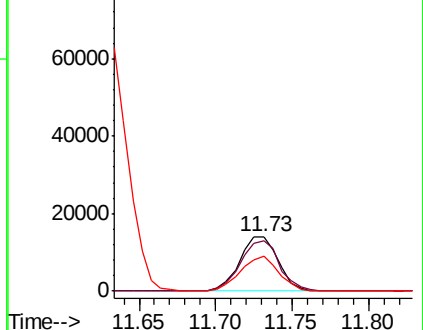
119 62.8 30.9 92.7

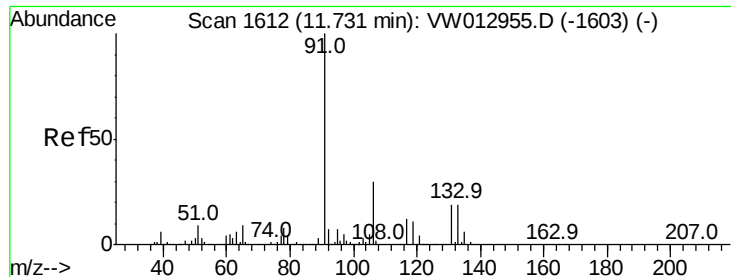


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 10.976 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

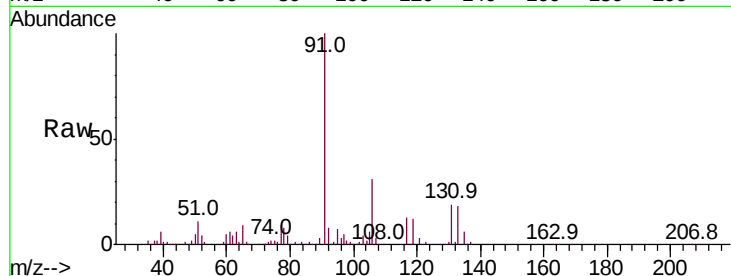
ClientSampleId :

Tot Ion: 91 Resp: 119586

Ion Ratio Lower Upper

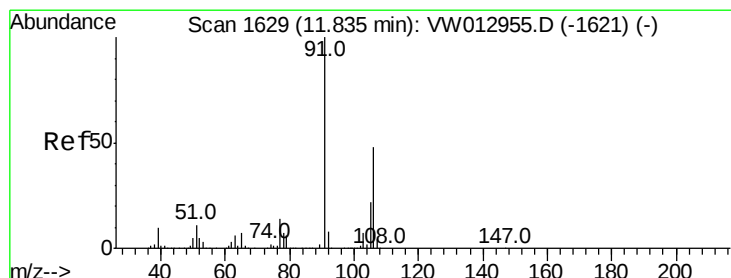
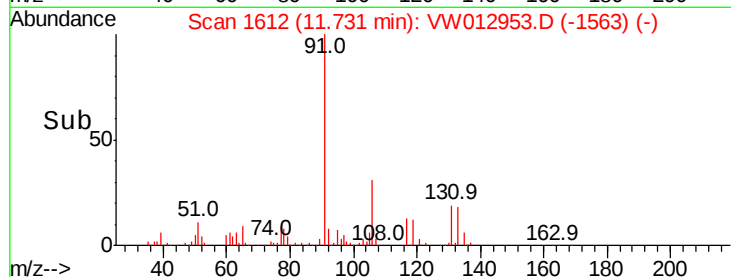
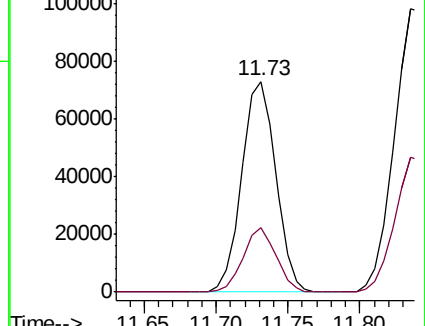
91 100

106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.259 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW012953.D

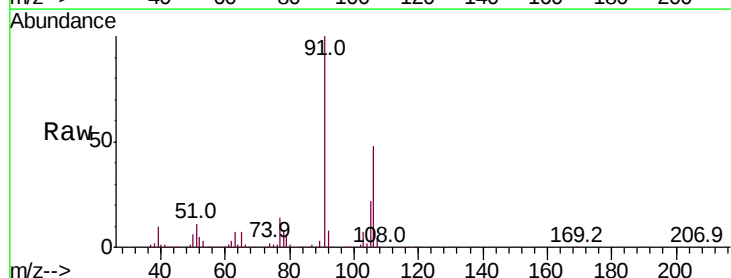
Acq: 13 Sep 2019 14:32

Tgt Ion:106 Resp: 88597

Ion Ratio Lower Upper

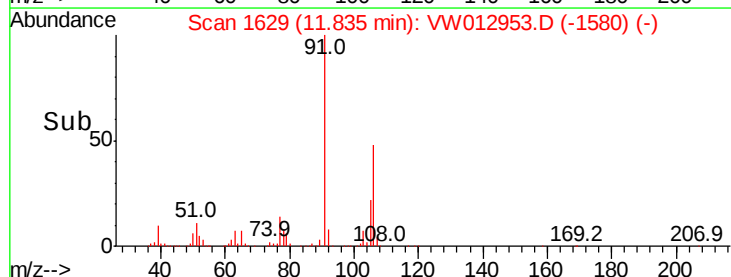
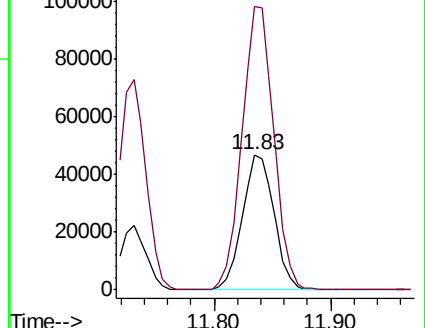
106 100

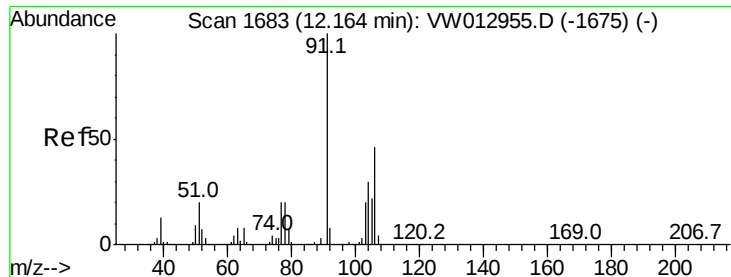
91 209.9 165.8 248.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

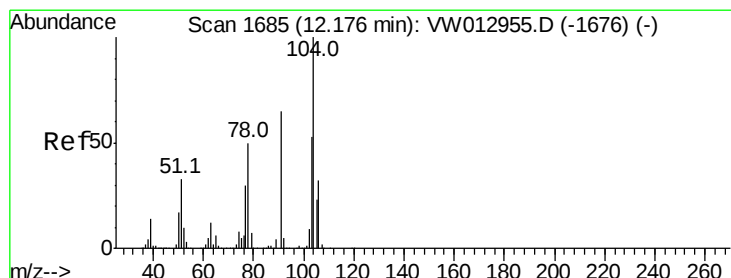
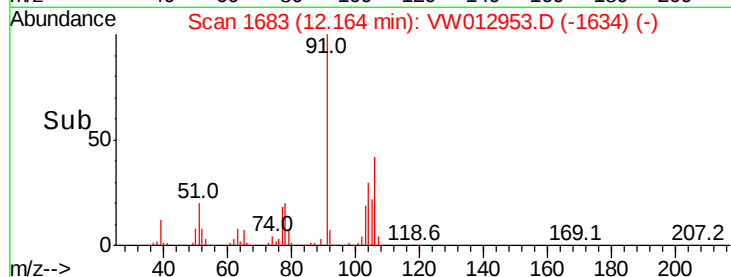
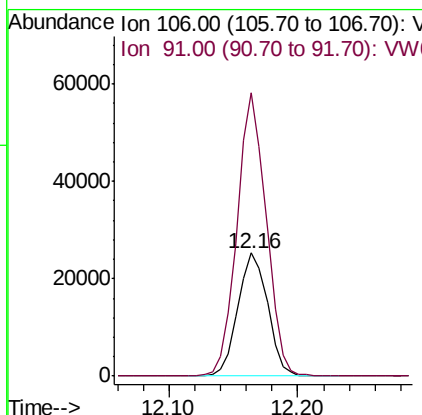
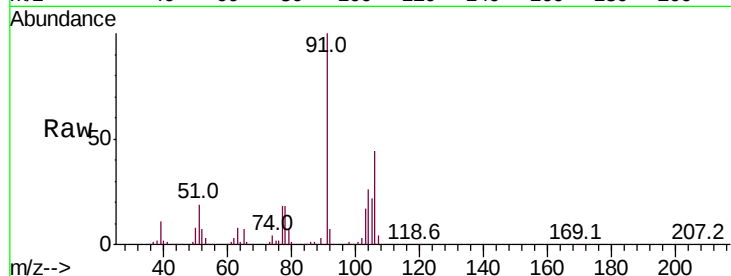




#69
o-Xylene
Concen: 10.852 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

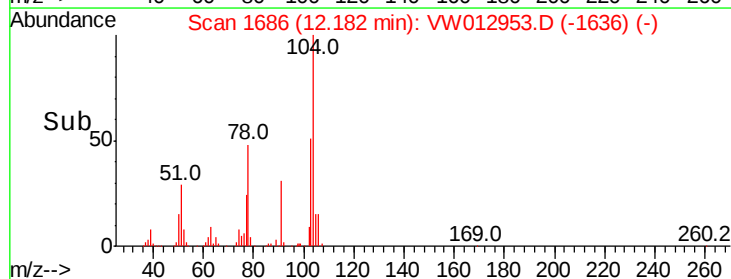
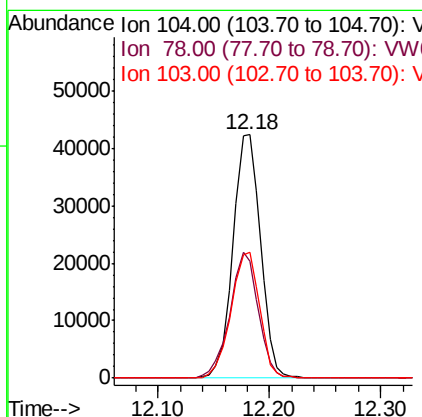
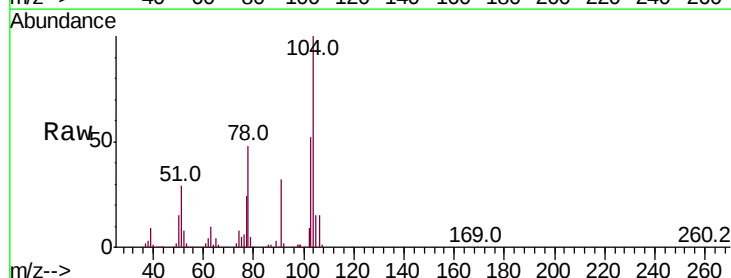
Instrument :
MSVOA_W
ClientSampled :

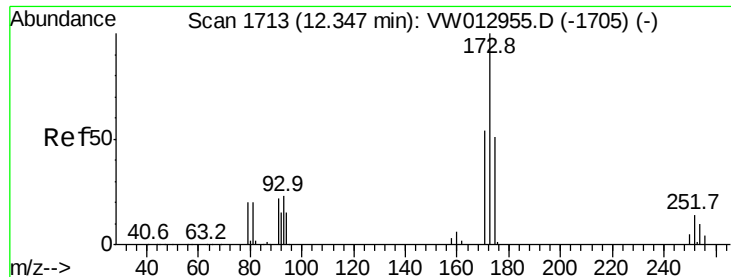
Tot Ion:106 Resp: 40493
Ion Ratio Lower Upper
106 100
91 224.3 109.7 329.0



#70
Styrene
Concen: 10.968 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion:104 Resp: 72808
Ion Ratio Lower Upper
104 100
78 53.2 42.1 63.1
103 53.7 44.2 66.4





#71

Bromoform

Concen: 10.792 ug/l

RT: 12.34 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

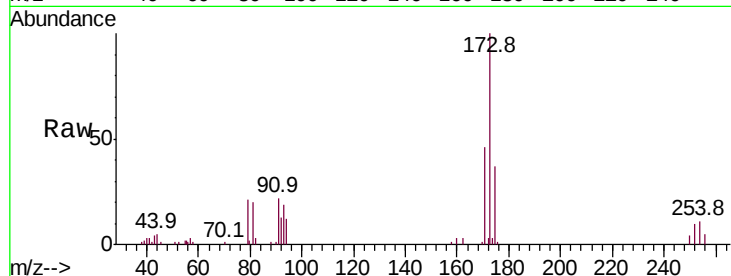
Tot Ion:173 Resp: 12815

Ion Ratio Lower Upper

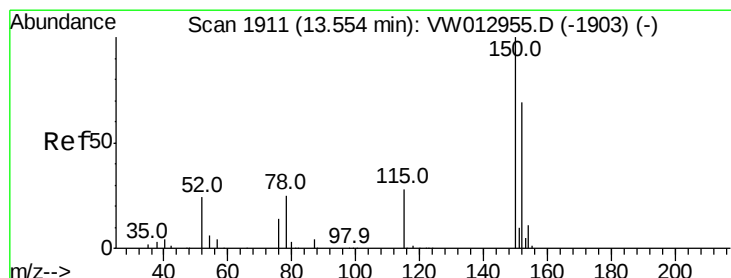
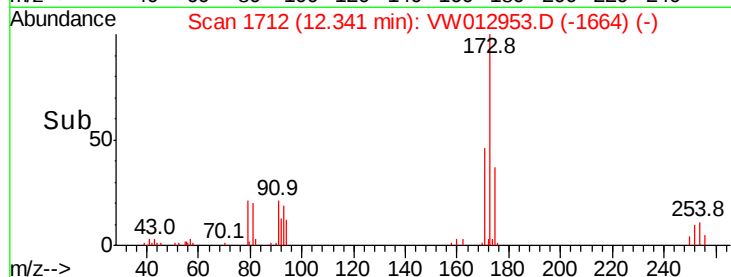
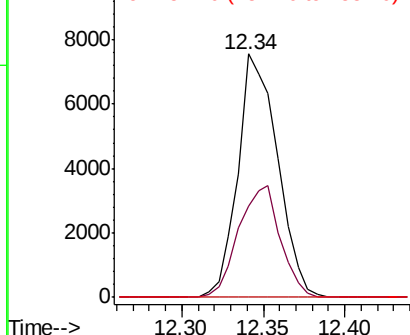
173 100

175 48.0 24.2 72.6

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: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

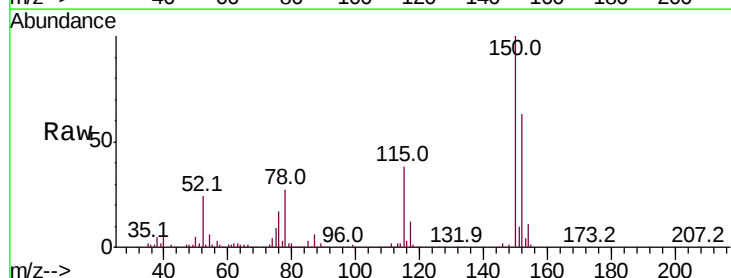
Tgt Ion:152 Resp: 170170

Ion Ratio Lower Upper

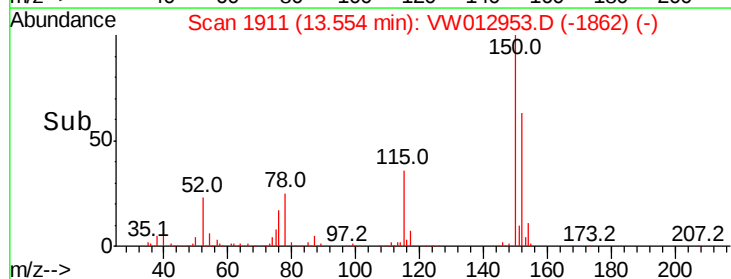
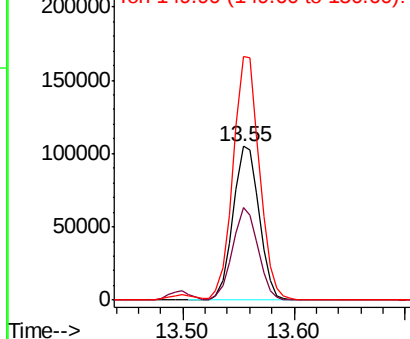
152 100

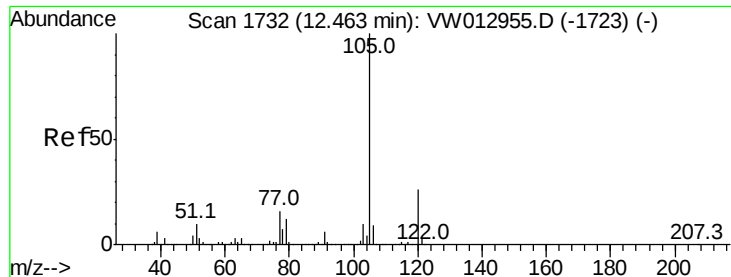
115 58.3 28.8 86.4

150 159.7 0.0 340.2



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: 10.756 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

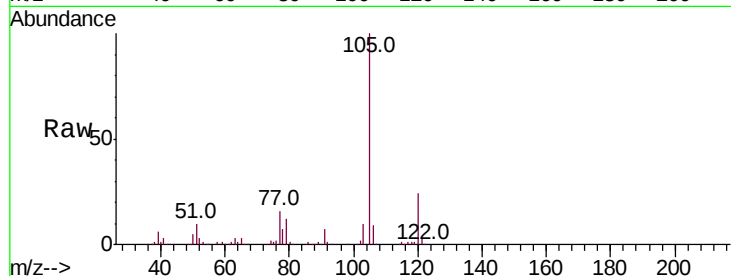
ClientSampleId :

Tot Ion:105 Resp: 121318

Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

20000

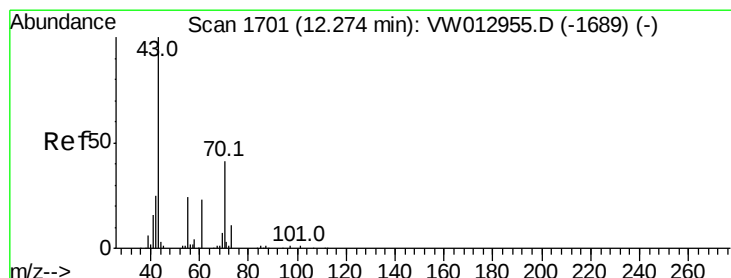
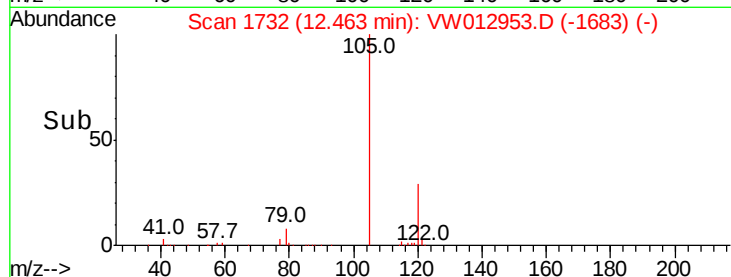
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 10.617 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Tgt Ion: 43 Resp: 30804

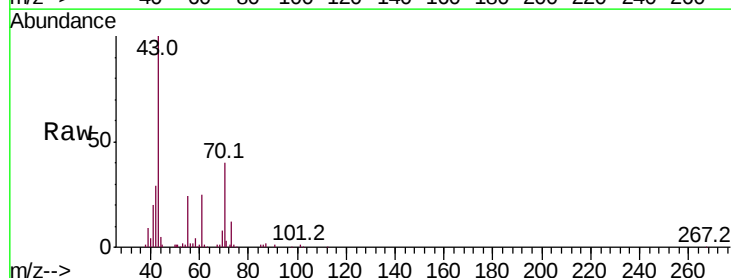
Ion Ratio Lower Upper

43 100

70 40.6 31.7 47.5

55 25.9 19.4 29.2

61 23.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

30000

25000

20000

15000

10000

5000

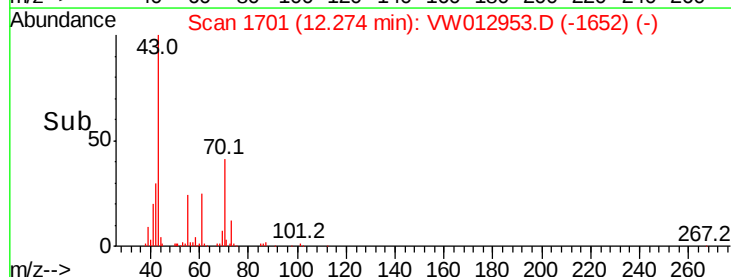
0

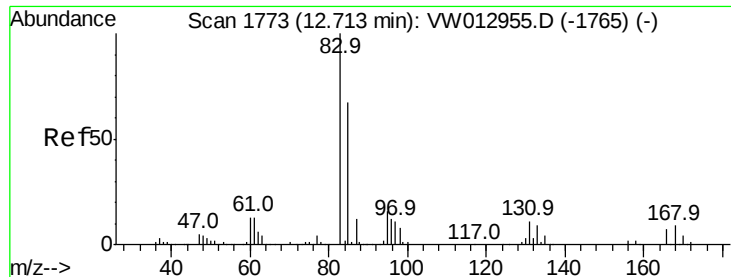
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.088 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

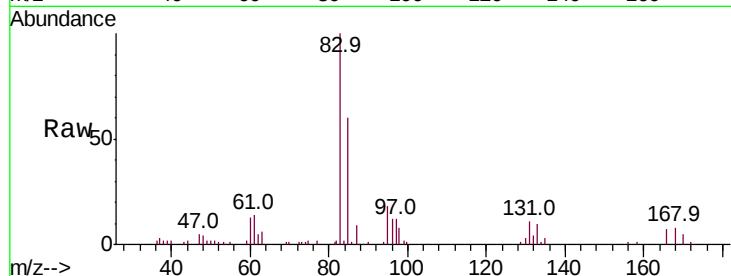
Tot Ion: 83 Resp: 21967

Ion Ratio Lower Upper

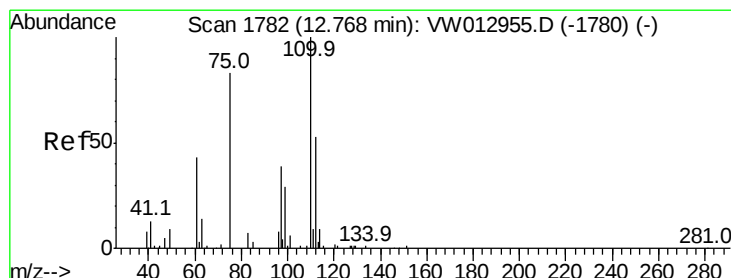
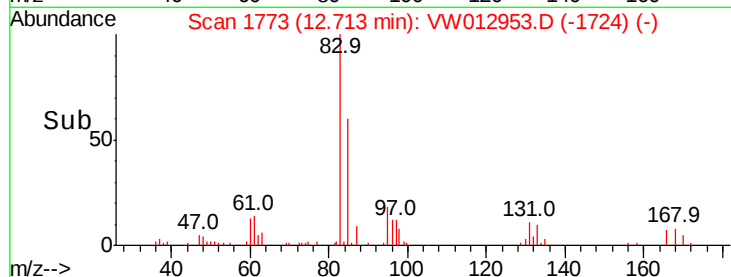
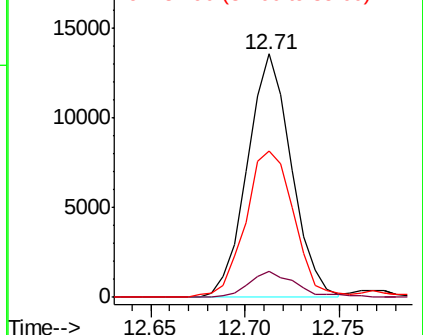
83 100

131 11.4 5.7 17.1

85 66.0 31.4 94.3



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



#76

1,2,3-Trichloropropane

Concen: 20.418 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW012953.D

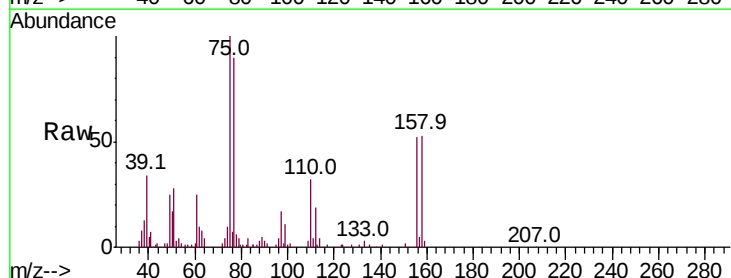
Acq: 13 Sep 2019 14:32

Tgt Ion: 75 Resp: 29317

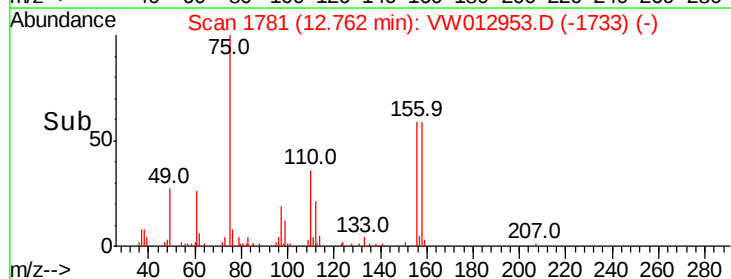
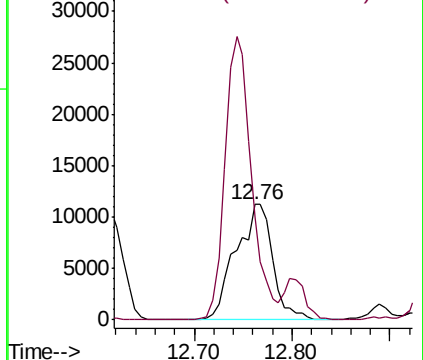
Ion Ratio Lower Upper

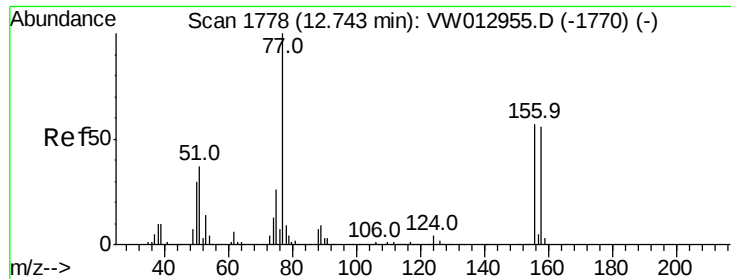
75 100

77 176.5 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: 10.716 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

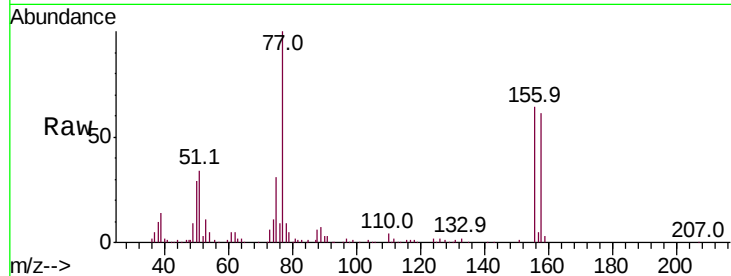
Tot Ion:156 Resp: 27844

Ion Ratio Lower Upper

156 100

77 185.9 95.2 285.6

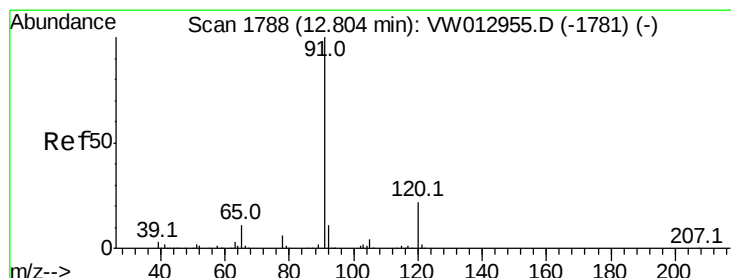
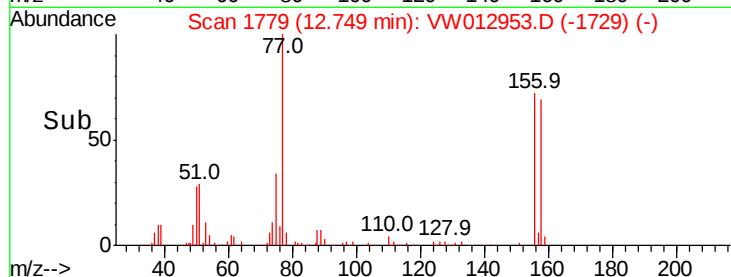
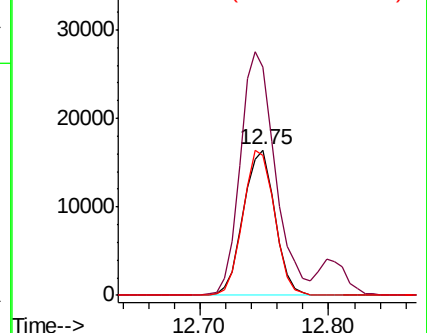
158 98.6 49.0 147.2



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: 10.780 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012953.D

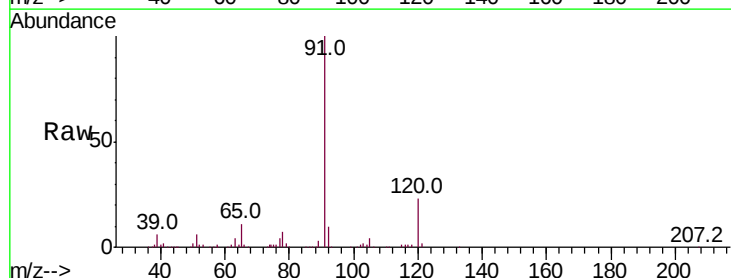
Acq: 13 Sep 2019 14:32

Tgt Ion: 91 Resp: 143034

Ion Ratio Lower Upper

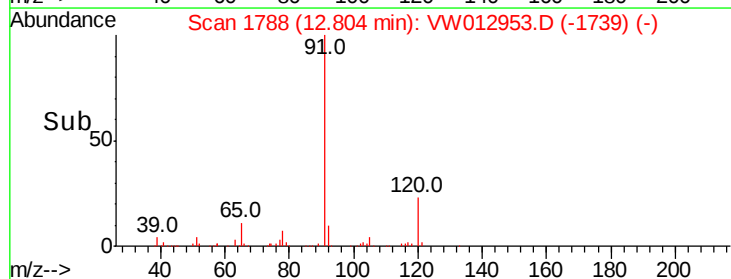
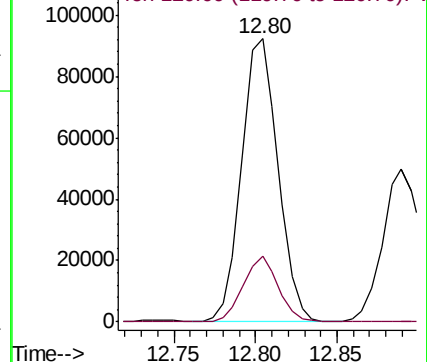
91 100

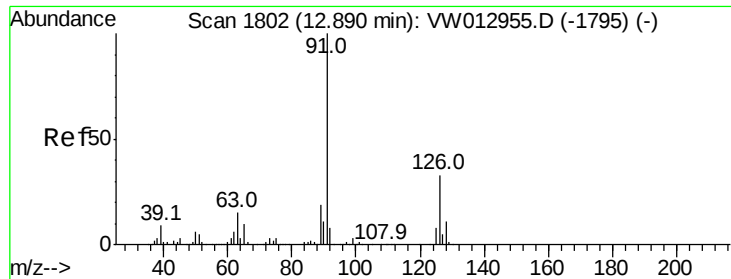
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.745 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

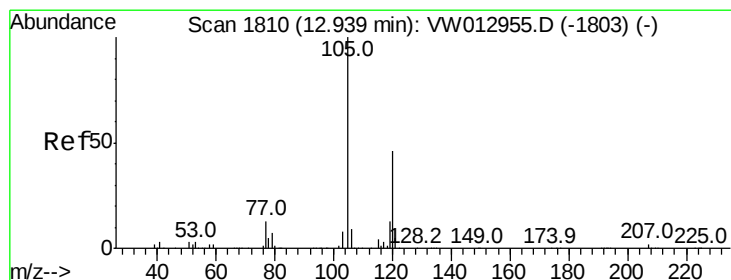
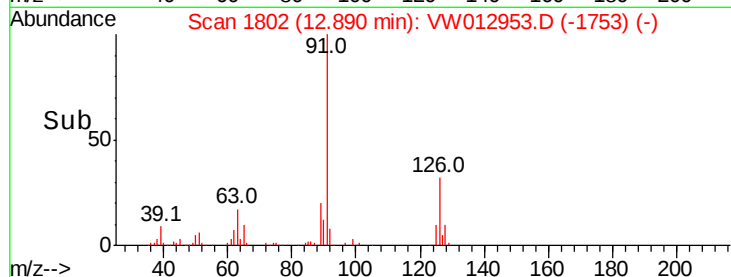
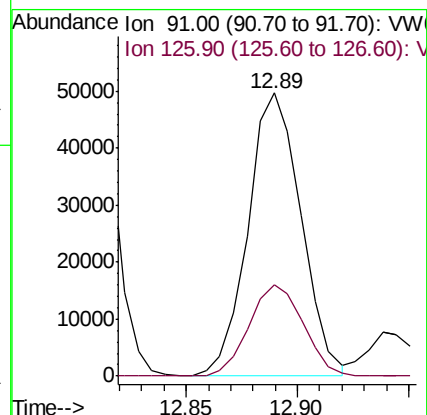
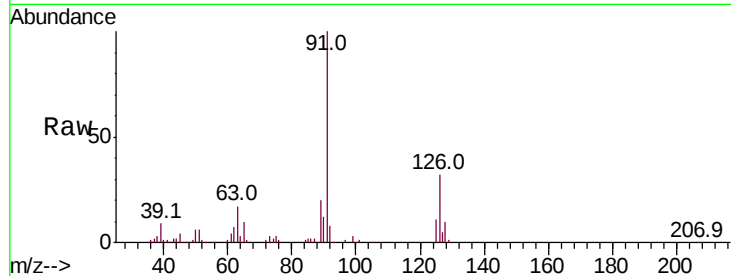
ClientSampleId :

Tot Ion: 91 Resp: 81954

Ion Ratio Lower Upper

91 100

126 33.2 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 10.824 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012953.D

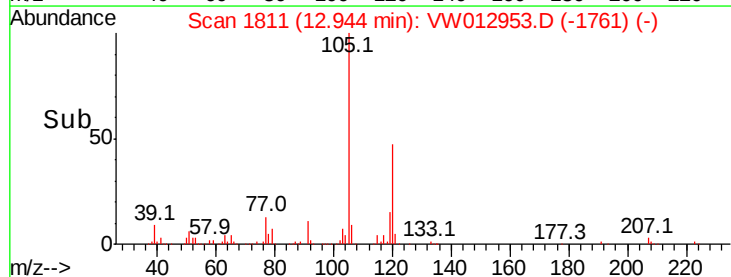
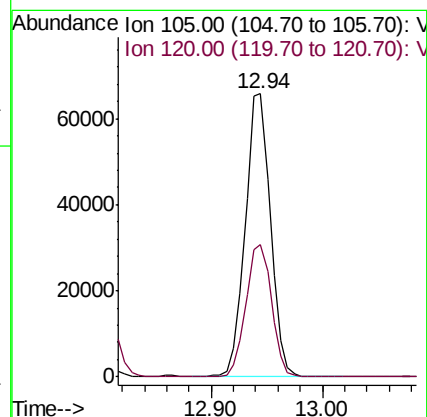
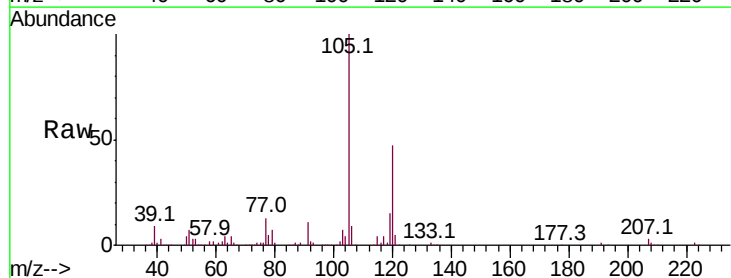
Acq: 13 Sep 2019 14:32

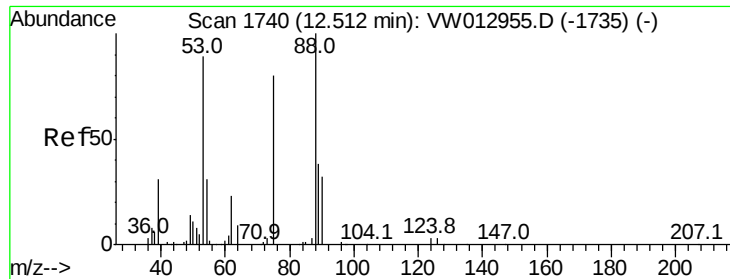
Tgt Ion:105 Resp: 103287

Ion Ratio Lower Upper

105 100

120 47.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 10.233 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

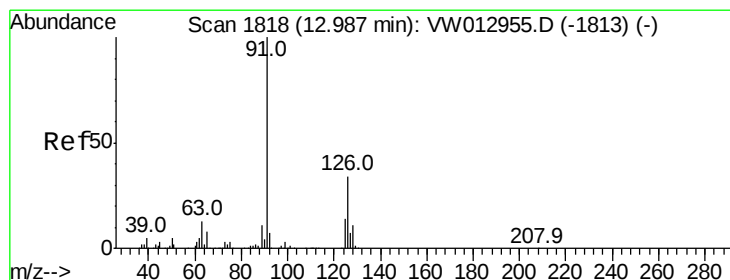
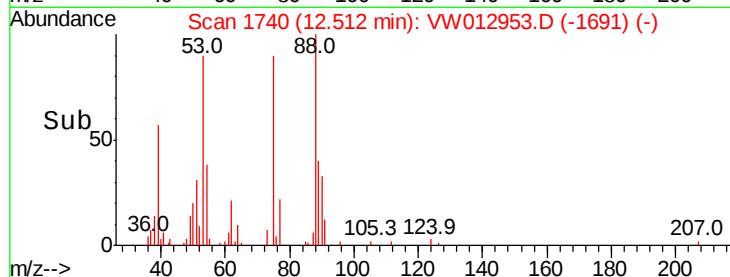
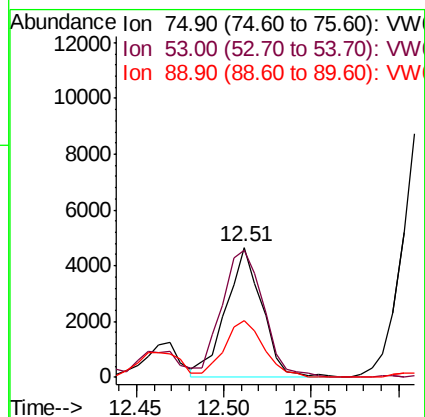
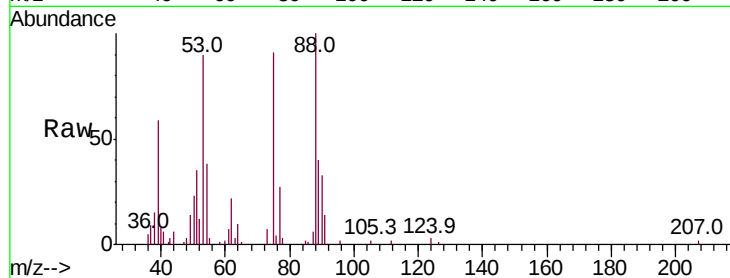
Tot Ion: 75 Resp: 6724

Ion Ratio Lower Upper

75 100

53 111.8 85.6 128.4

89 47.0 37.2 55.8



#82

4-Chlorotoluene

Concen: 10.795 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012953.D

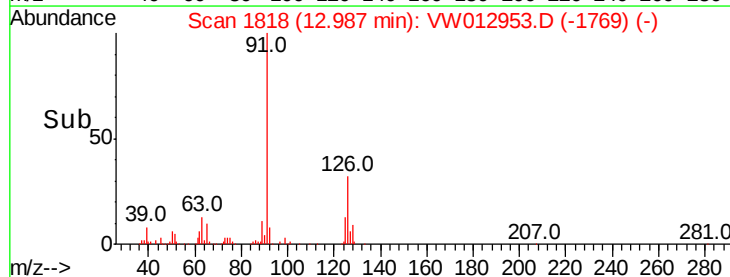
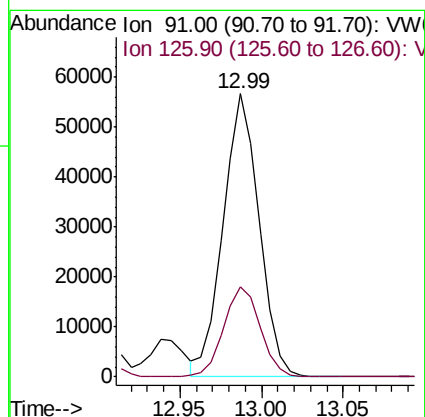
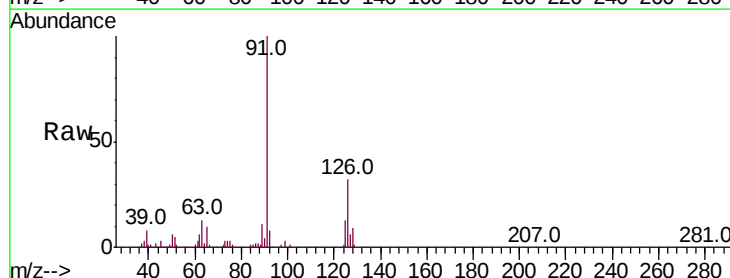
Acq: 13 Sep 2019 14:32

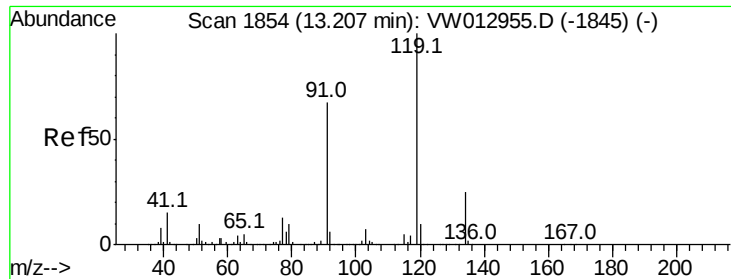
Tgt Ion: 91 Resp: 86874

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3

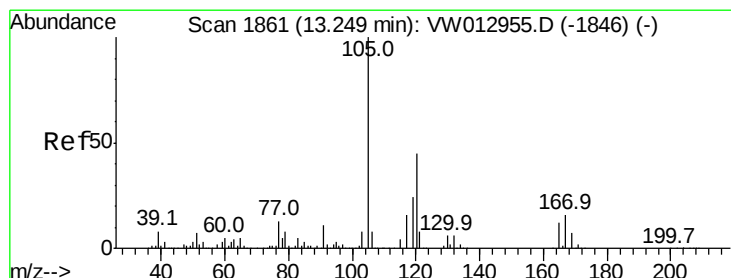
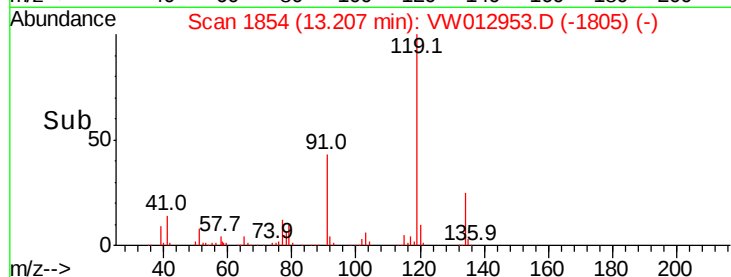
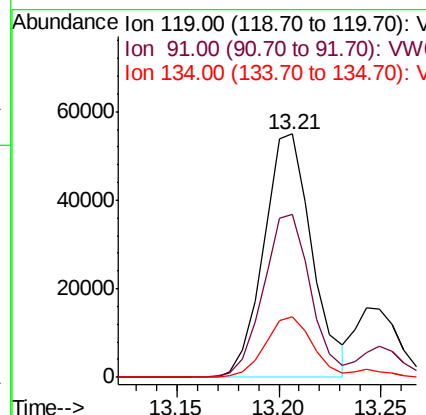
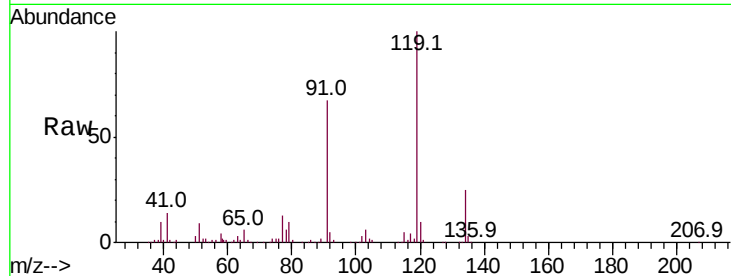




#83
tert-Butylbenzene
Concen: 10.619 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

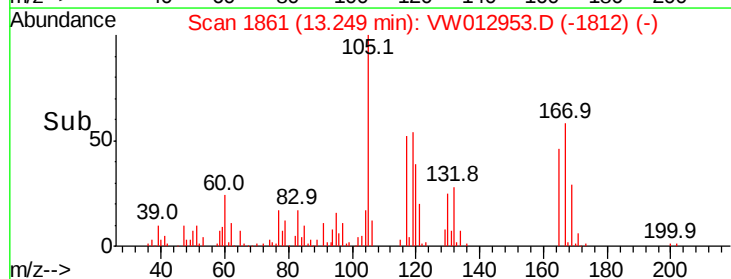
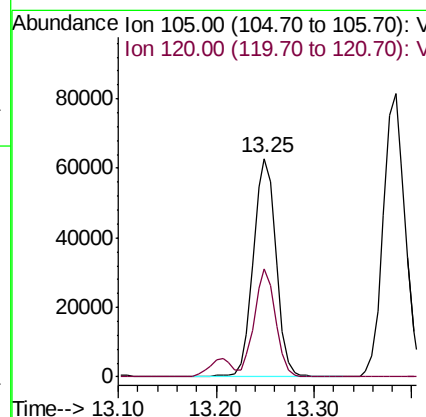
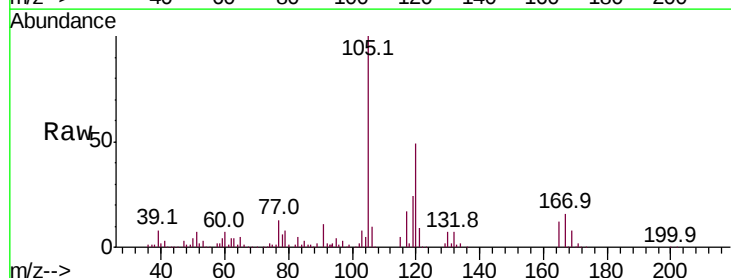
Instrument :
MSVOA_W
ClientSampleId :

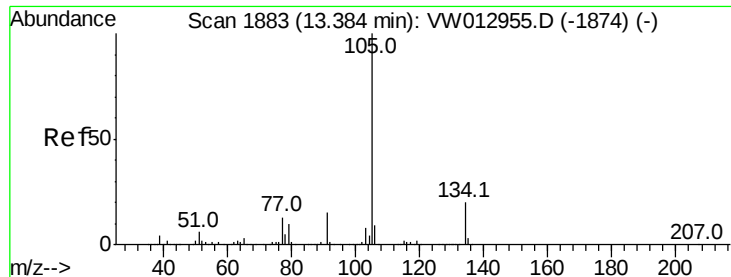
Tot Ion:119 Resp: 90634
Ion Ratio Lower Upper
119 100
91 65.8 32.6 98.0
134 24.8 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 10.744 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion:105 Resp: 101308
Ion Ratio Lower Upper
105 100
120 46.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 10.811 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

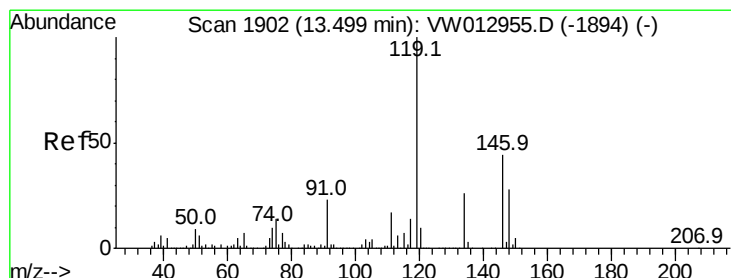
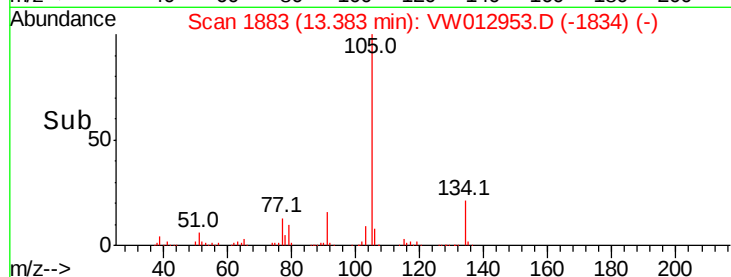
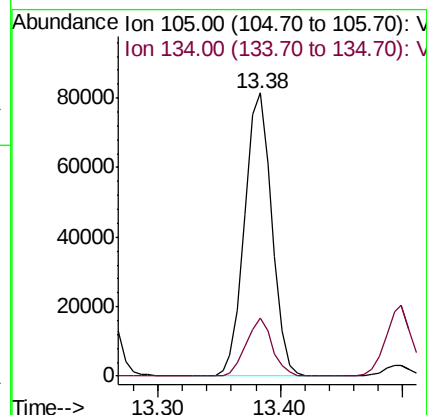
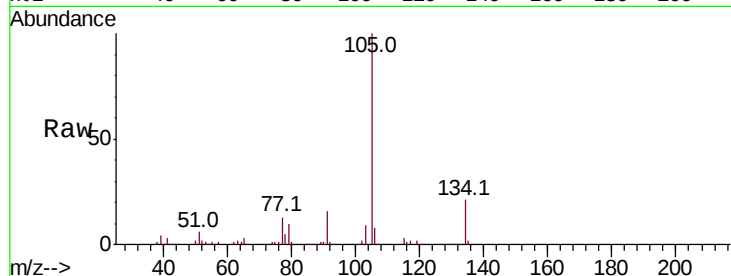
ClientSampleId :

Tot Ion:105 Resp: 125719

Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.4



#86

p-Isopropyltoluene

Concen: 10.605 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

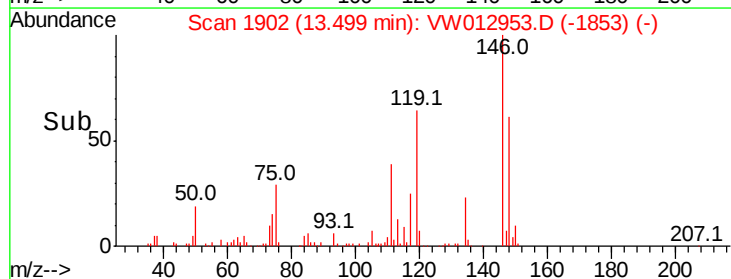
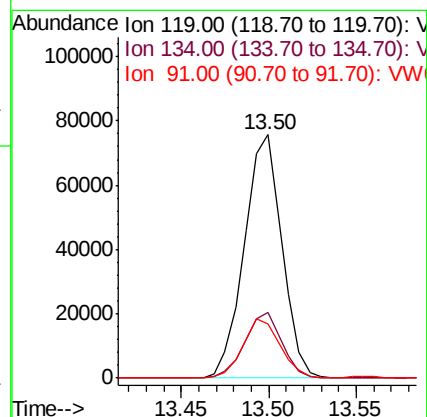
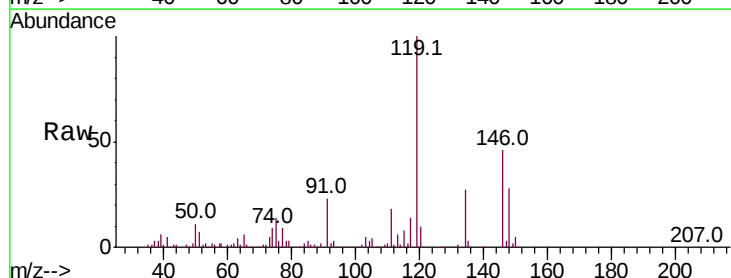
Tgt Ion:119 Resp: 113228

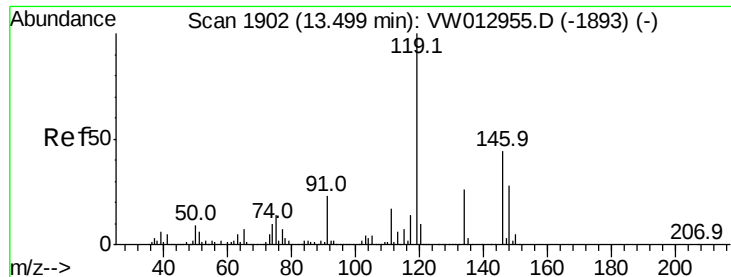
Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

91 24.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 10.872 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

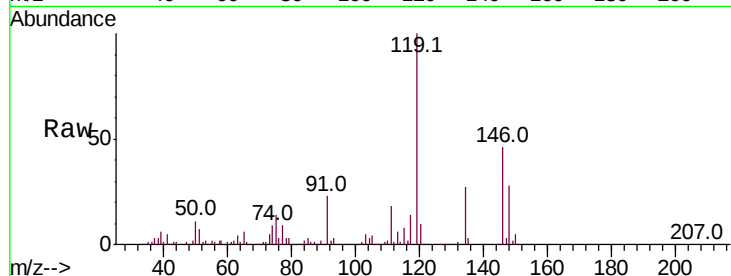
Tot Ion:146 Resp: 55926

Ion Ratio Lower Upper

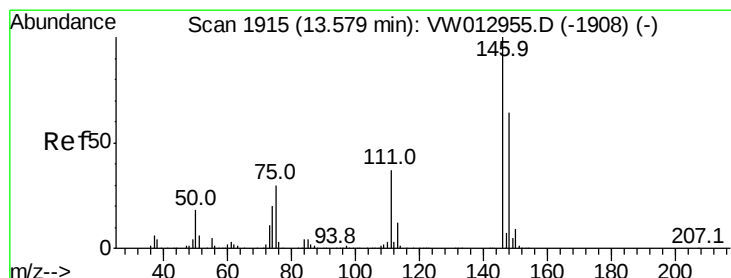
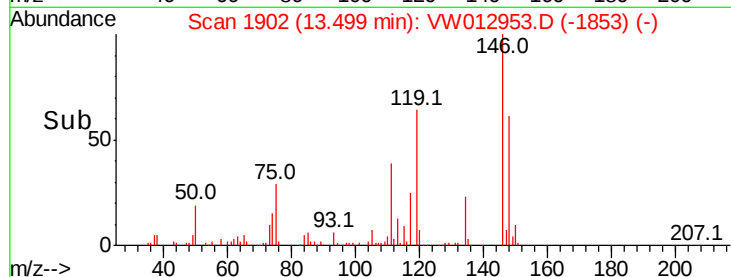
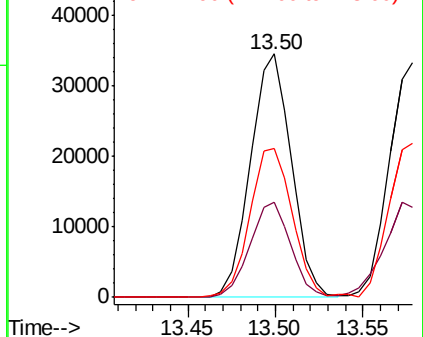
146 100

111 38.8 19.8 59.4

148 63.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.832 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

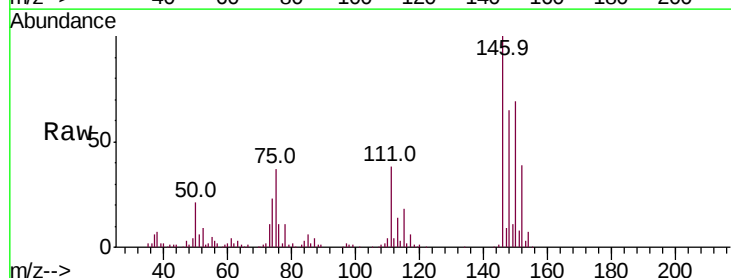
Tgt Ion:146 Resp: 54754

Ion Ratio Lower Upper

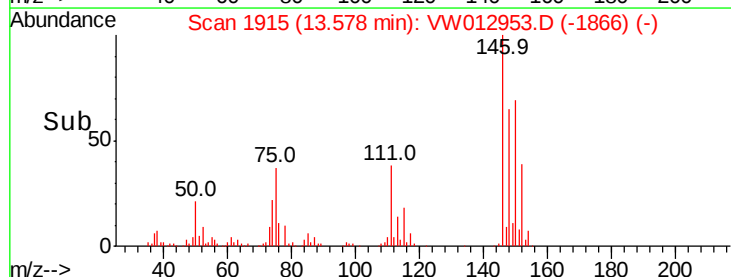
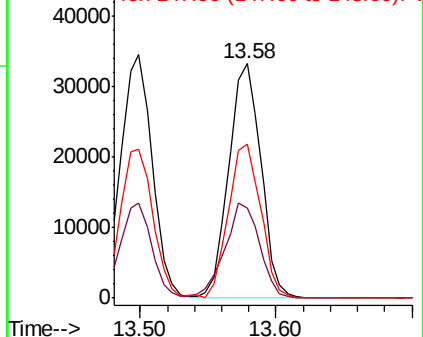
146 100

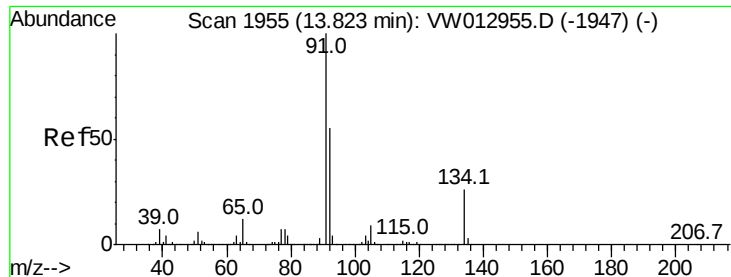
111 43.7 19.4 58.2

148 65.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

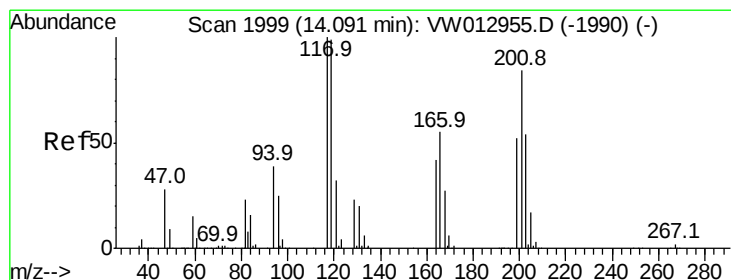
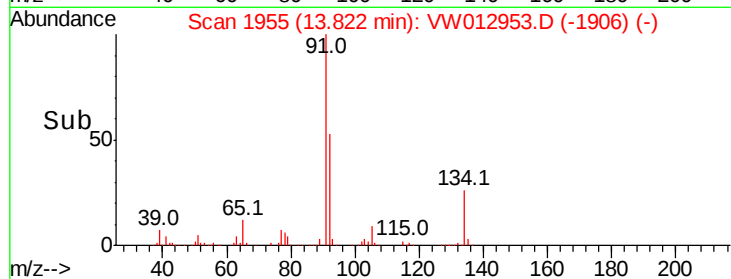
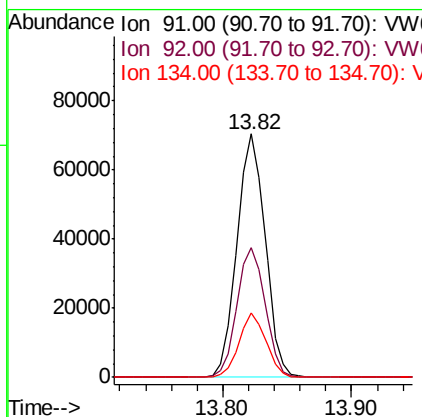
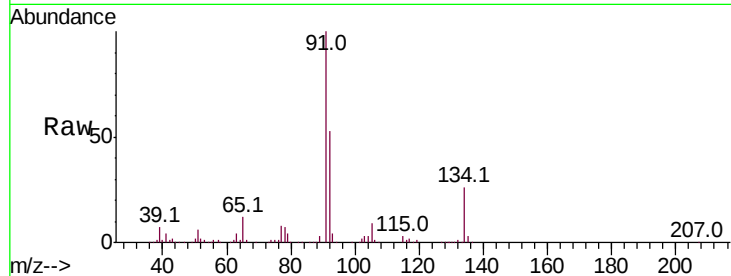




#89
n-Butylbenzene
Concen: 10.652 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

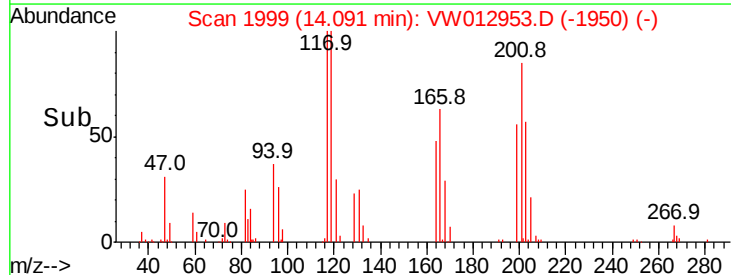
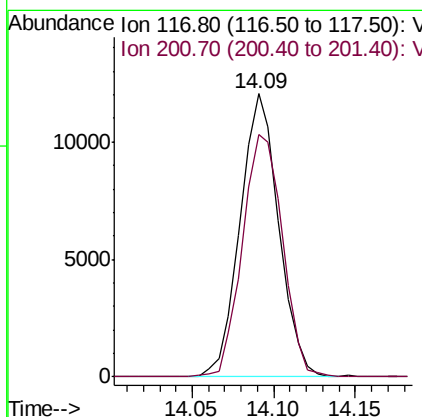
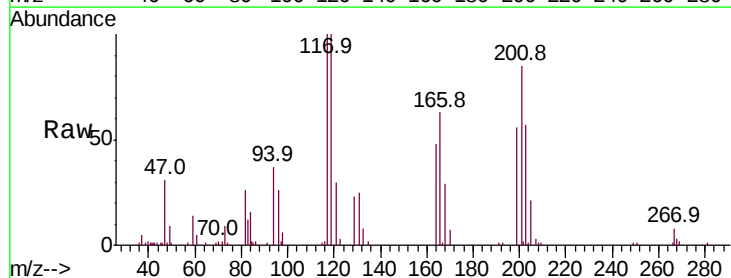
Instrument :
MSVOA_W
ClientSampleId :

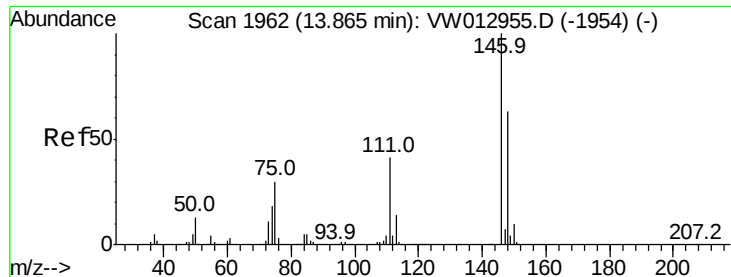
Tot Ion: 91 Resp: 107250
Ion Ratio Lower Upper
91 100
92 53.4 27.2 81.5
134 25.0 13.1 39.1



#90
Hexachloroethane
Concen: 10.390 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion: 117 Resp: 19880
Ion Ratio Lower Upper
117 100
201 89.0 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 10.854 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

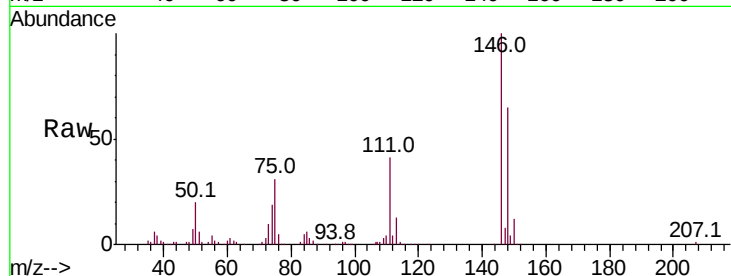
Tot Ion:146 Resp: 49097

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.5

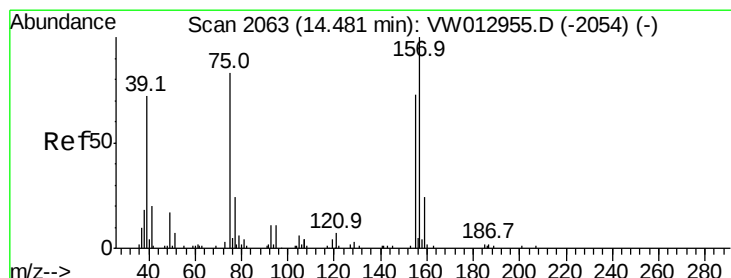
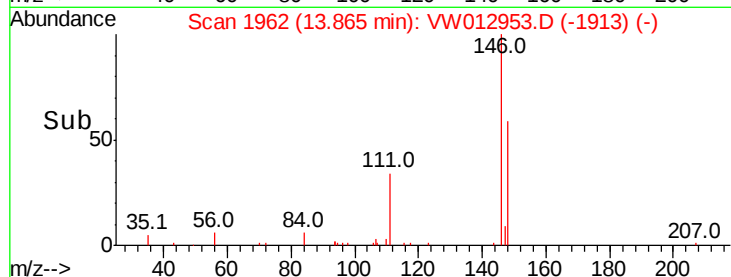
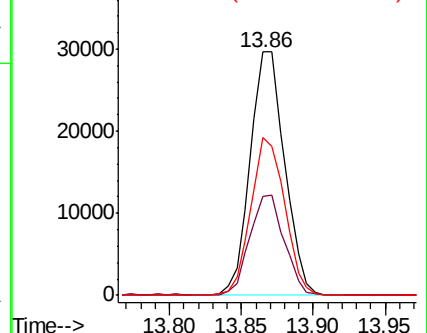
148 63.8 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.367 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW012953.D

Acq: 13 Sep 2019 14:32

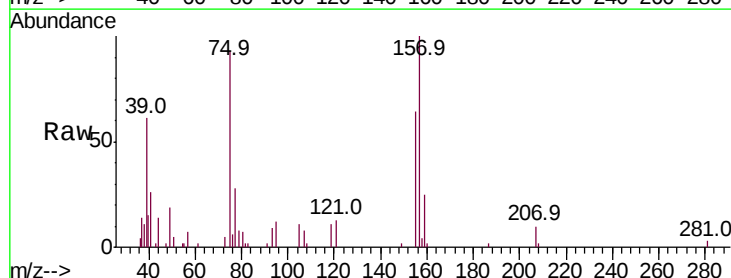
Tgt Ion: 75 Resp: 4122

Ion Ratio Lower Upper

75 100

155 71.2 43.3 129.9

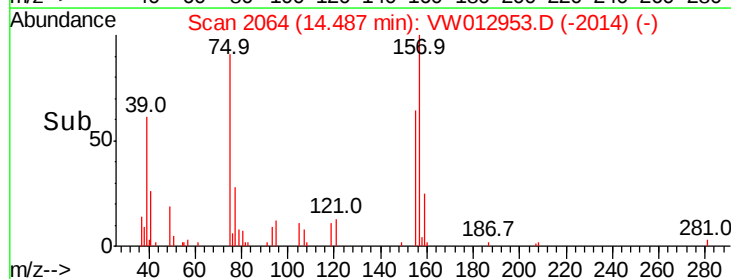
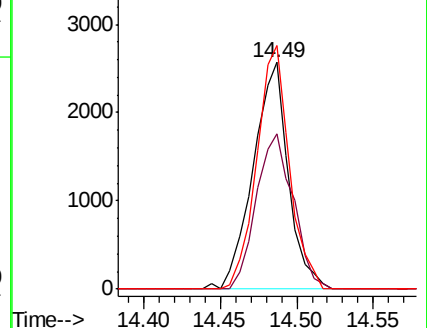
157 99.3 54.7 164.1

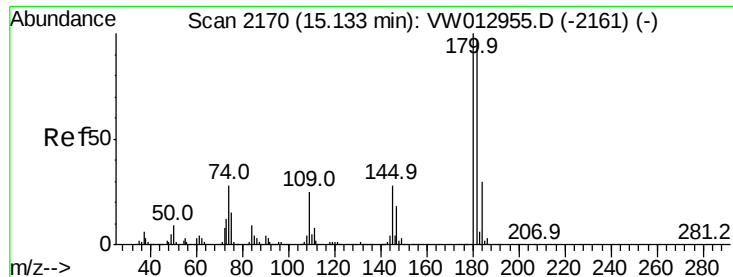


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

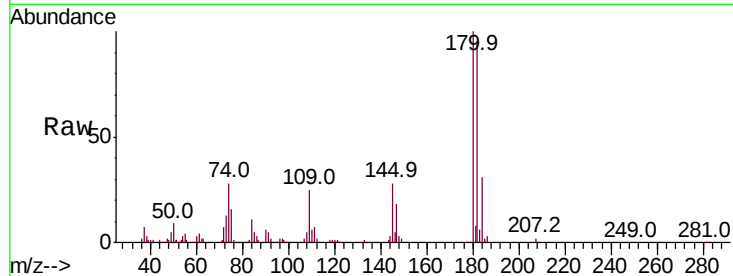




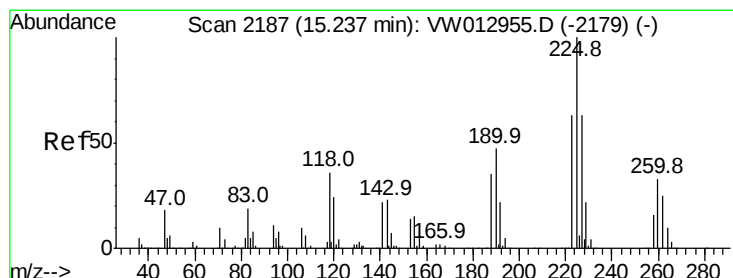
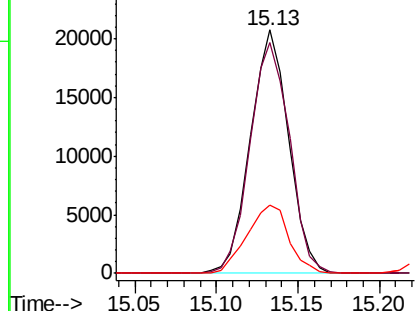
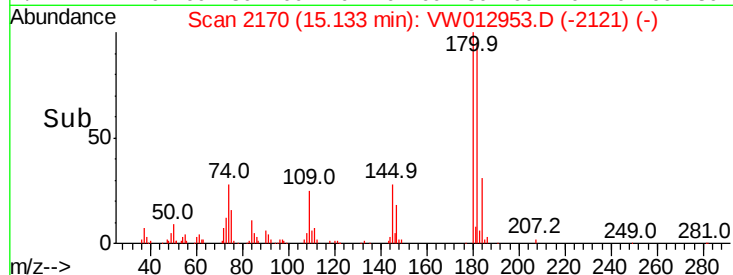
#93
 1,2,4-Trichlorobenzene
 Concen: 10.521 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.4	142.2
145	30.8	14.9	44.7

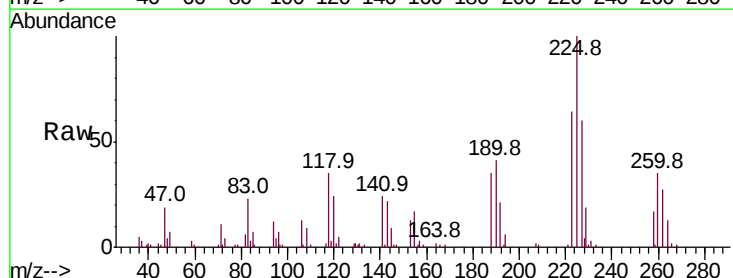


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

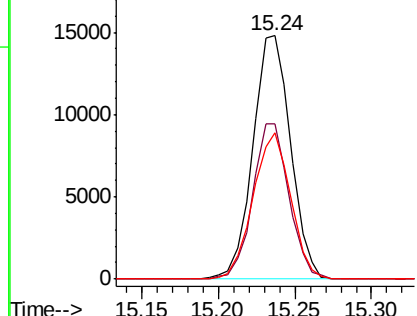
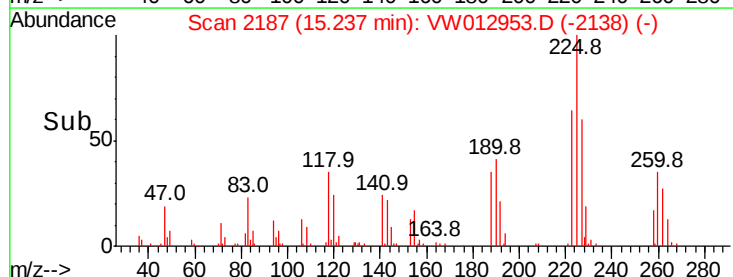


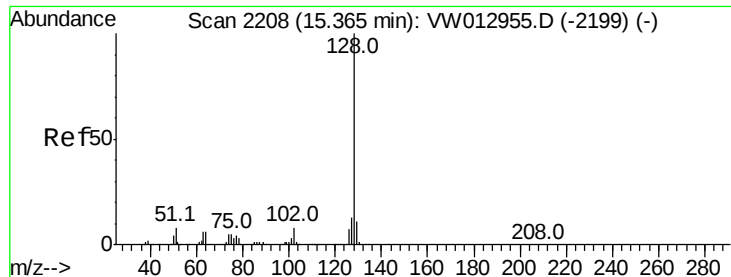
#94
 Hexachlorobutadiene
 Concen: 11.107 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012953.D
 Acq: 13 Sep 2019 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.3
227	60.0	31.3	93.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

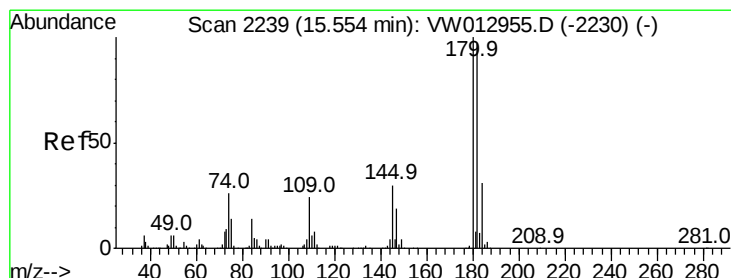
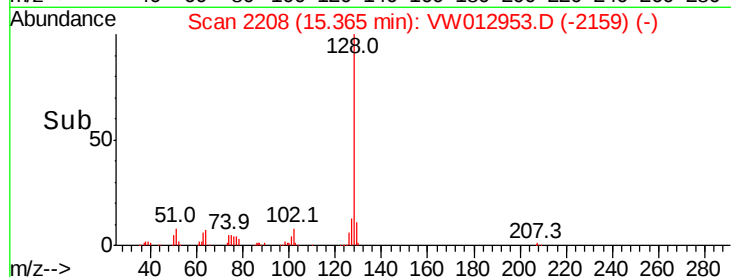
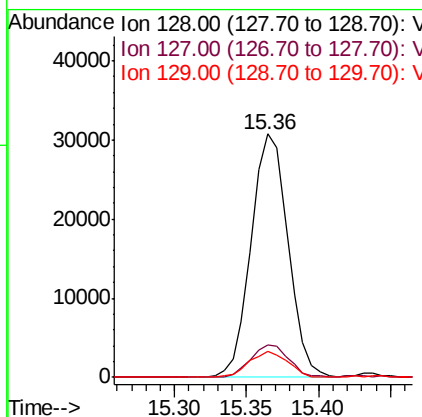
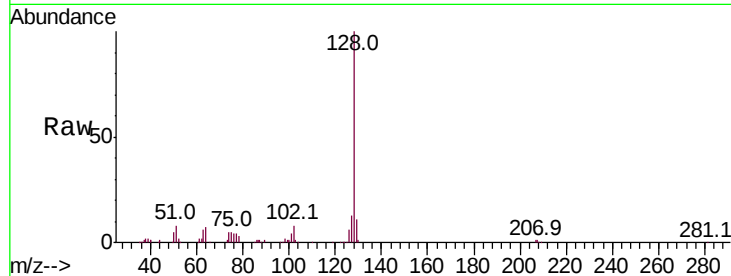




#95
Naphthalene
Concen: 10.108 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 54488
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.6
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 10.481 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012953.D
Acq: 13 Sep 2019 14:32

Tgt Ion:180 Resp: 29888
Ion Ratio Lower Upper
180 100
182 97.3 47.6 142.8
145 32.1 15.4 46.2

