

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013081.D
 Acq On : 17 Sep 2019 11:19
 Operator : SY/VA
 Sample : VW0917SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:30:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157971	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.88	113	138268	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.32	98	560172	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	197294	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30625	19.843	ug/l	100
3) Chloromethane	2.21	50	42673	22.296	ug/l	98
4) Vinyl Chloride	2.35	62	53943	21.234	ug/l	99
5) Bromomethane	2.77	94	29032	18.714	ug/l	99
6) Chloroethane	2.92	64	32099	20.602	ug/l	95
7) Trichlorofluoromethane	3.24	101	32149	18.097	ug/l	89
8) Diethyl Ether	3.68	74	25958	18.714	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51333	19.052	ug/l	99
10) Methyl Iodide	4.26	142	67656	20.064	ug/l	98
11) Tert butyl alcohol	5.18	59	23659	93.516	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	48069	19.621	ug/l	96
13) Acrolein	3.89	56	22884	90.222	ug/l	97
14) Allyl chloride	4.67	41	91971	19.775	ug/l	96
15) Acrylonitrile	5.37	53	68863	97.200	ug/l	98
16) Acetone	4.12	43	63973	76.366	ug/l	96
17) Carbon Disulfide	4.38	76	97246	19.919	ug/l	99
18) Methyl Acetate	4.67	43	36549	19.571	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	95398	19.727	ug/l	98
20) Methylene Chloride	4.91	84	56157	17.873	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	52621	20.055	ug/l	97
22) Diisopropyl ether	6.31	45	199393	20.637	ug/l	99
23) Vinyl Acetate	6.25	43	573998	99.190	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109140	19.592	ug/l	98
25) 2-Butanone	7.17	43	101592	97.470	ug/l	99
26) 2,2-Dichloropropane	7.17	77	74794	18.417	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64239	20.450	ug/l	99
28) Bromochloromethane	7.51	49	45397	19.362	ug/l #	98
29) Tetrahydrofuran	7.52	42	59927	100.908	ug/l	99
30) Chloroform	7.67	83	111711	19.736	ug/l	94
31) Cyclohexane	7.95	56	98146	21.005	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	88041	18.888	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83358	20.042	ug/l	98
37) Ethyl Acetate	7.25	43	42602	19.297	ug/l	99
38) Carbon Tetrachloride	8.06	117	79445	18.639	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013081.D
 Acq On : 17 Sep 2019 11:19
 Operator : SY/VA
 Sample : VW0917SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:30:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95859	21.033	ug/l	99
40) Benzene	8.32	78	231519	19.939	ug/l	98
41) Methacrylonitrile	7.49	41	25096	17.262	ug/l	92
42) 1,2-Dichloroethane	8.40	62	72976	18.749	ug/l	97
43) Isopropyl Acetate	8.42	43	82937	19.566	ug/l	99
44) Trichloroethene	9.09	130	61392	19.303	ug/l	96
45) 1,2-Dichloropropane	9.37	63	61423	19.911	ug/l	99
46) Dibromomethane	9.45	93	29388	19.884	ug/l	98
47) Bromodichloromethane	9.64	83	79084	19.076	ug/l	99
48) Methyl methacrylate	9.43	41	38273	19.239	ug/l	97
49) 1,4-Dioxane	9.46	88	8691	350.935	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	212490	97.099	ug/l	100
52) Toluene	10.38	92	147948	20.052	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78177	18.750	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92014	19.288	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44430	19.733	ug/l	96
56) Ethyl methacrylate	10.65	69	60880	20.088	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78857	19.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	153367	94.338	ug/l	99
59) 2-Hexanone	10.97	43	146418	96.088	ug/l	99
60) Dibromochloromethane	11.13	129	50783	18.656	ug/l	98
61) 1,2-Dibromoethane	11.23	107	40639	19.786	ug/l	98
64) Tetrachloroethene	10.86	164	52394	19.492	ug/l	95
65) Chlorobenzene	11.66	112	158258	19.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	56502	18.319	ug/l	97
67) Ethyl Benzene	11.73	91	293284	19.731	ug/l	99
68) m/p-Xylenes	11.84	106	215078	39.608	ug/l	98
69) o-Xylene	12.16	106	103788	20.387	ug/l	97
70) Styrene	12.18	104	178266	19.685	ug/l	99
71) Bromoform	12.35	173	30391	18.759	ug/l #	100
73) Isopropylbenzene	12.46	105	293110	19.534	ug/l	99
74) N-amyl acetate	12.27	43	73881	19.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51795	19.653	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	66736	33.655	ug/l #	100
77) Bromobenzene	12.74	156	66360	19.197	ug/l	99
78) n-propylbenzene	12.80	91	341401	19.342	ug/l	100
79) 2-Chlorotoluene	12.89	91	194708	19.189	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	245798	19.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15683	17.941	ug/l	94
82) 4-Chlorotoluene	12.99	91	204833	19.133	ug/l	99
83) tert-Butylbenzene	13.21	119	219009	19.288	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	242702	19.348	ug/l	97
85) sec-Butylbenzene	13.38	105	299402	19.353	ug/l	100
86) p-Isopropyltoluene	13.50	119	277296	19.523	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	130504	19.071	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	130445	19.398	ug/l	99
89) n-Butylbenzene	13.82	91	260240	19.428	ug/l	99
90) Hexachloroethane	14.09	117	46291	18.187	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	115779	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8226	17.052	ug/l	97

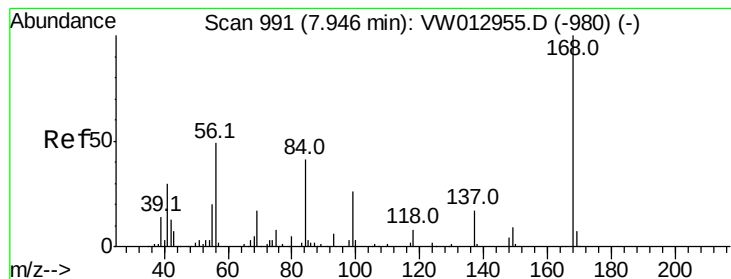
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
Data File : VW013081.D
Acq On : 17 Sep 2019 11:19
Operator : SY/VA
Sample : VW0917SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 18 05:30:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	80452	18.746	ug/l	98
94) Hexachlorobutadiene	15.24	225	56978	18.754	ug/l	98
95) Naphthalene	15.36	128	136242	18.999	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	72800	19.189	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

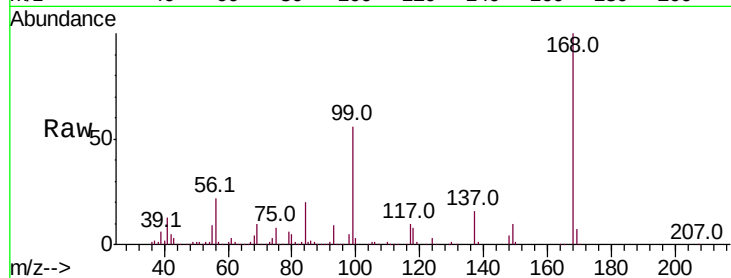
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 354915

Ion Ratio Lower Upper

168 100

99 55.9 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

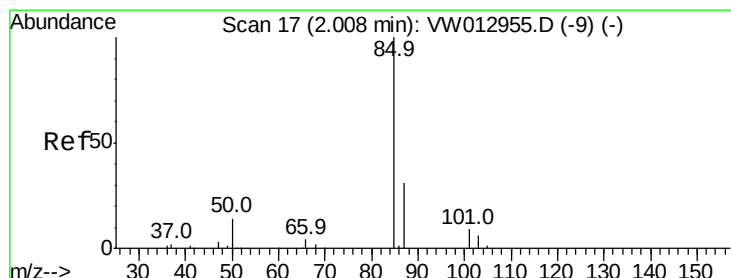
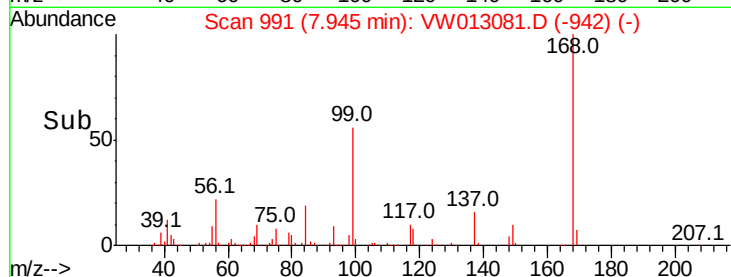
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.843 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013081.D

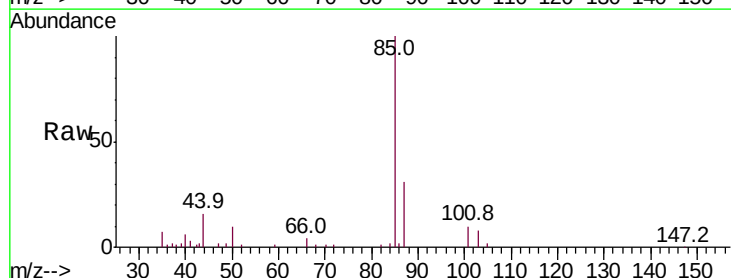
Acq: 17 Sep 2019 11:19

Tgt Ion: 85 Resp: 30625

Ion Ratio Lower Upper

85 100

87 30.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

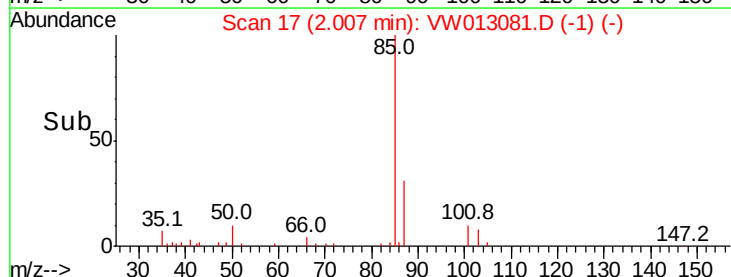
2.01

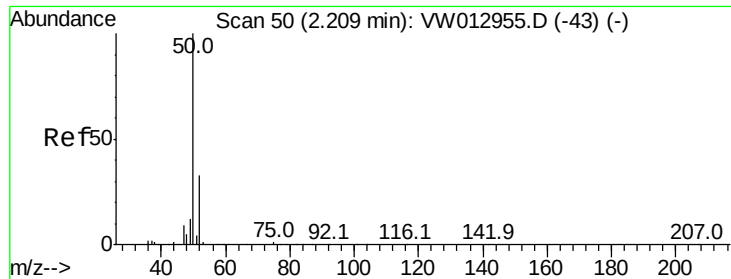
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.296 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

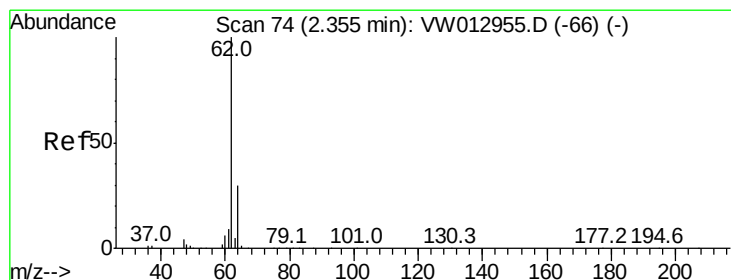
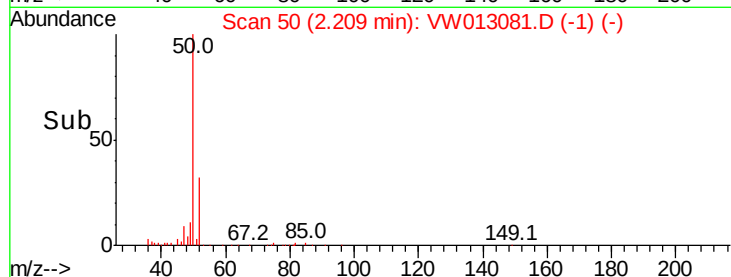
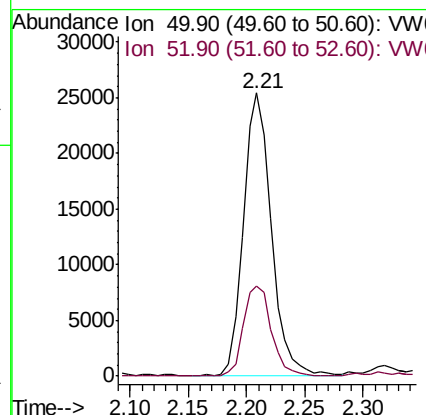
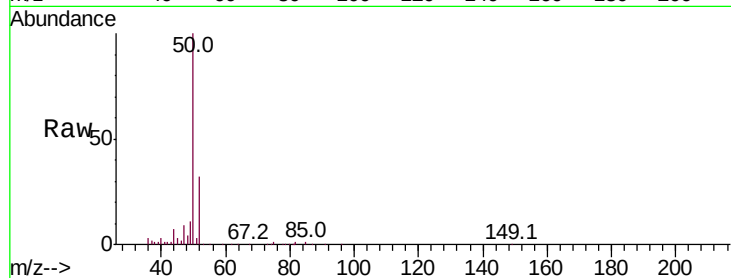
ClientSampleId :

Tot Ion: 50 Resp: 42673

Ion Ratio Lower Upper

50 100

52 31.9 26.6 39.8



#4

Vinyl Chloride

Concen: 21.234 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013081.D

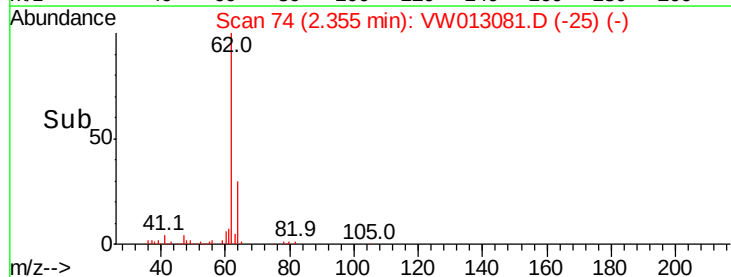
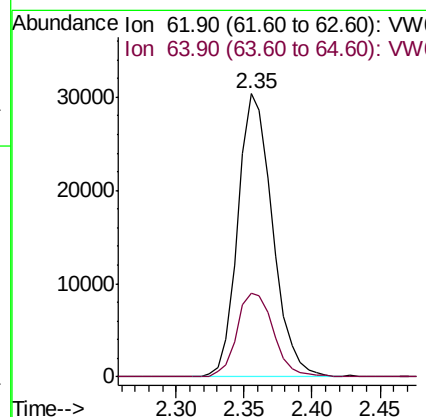
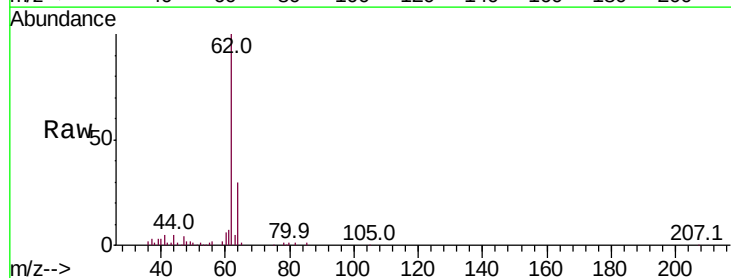
Acq: 17 Sep 2019 11:19

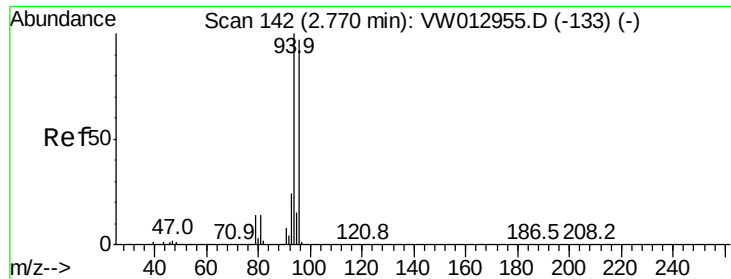
Tgt Ion: 62 Resp: 53943

Ion Ratio Lower Upper

62 100

64 29.7 24.2 36.4





#5

Bromomethane

Concen: 18.714 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

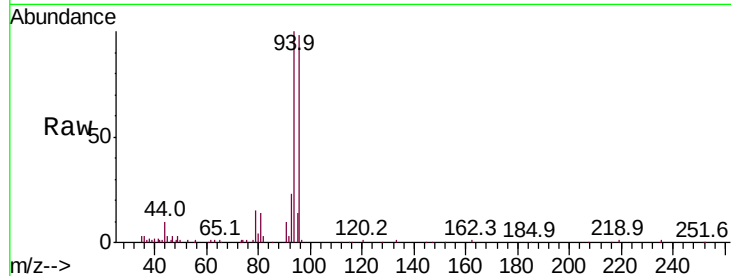
Instrument :

MSVOA_W

ClientSampleId :

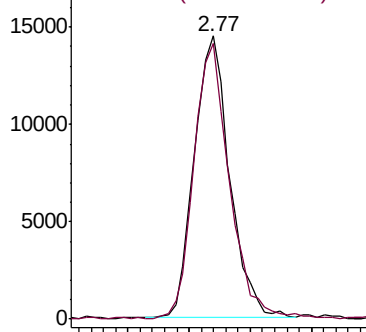
Tot Ion: 94 Resp: 29032

Ion	Ratio	Lower	Upper
94	100		
96	98.1	77.8	116.6

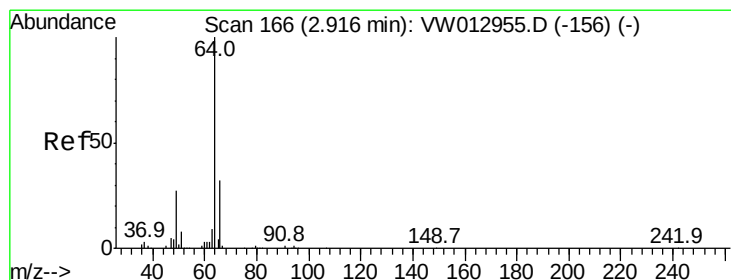
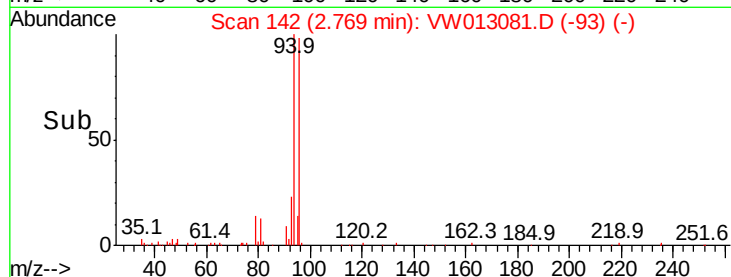


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 20.602 ug/l

RT: 2.92 min Scan# 166

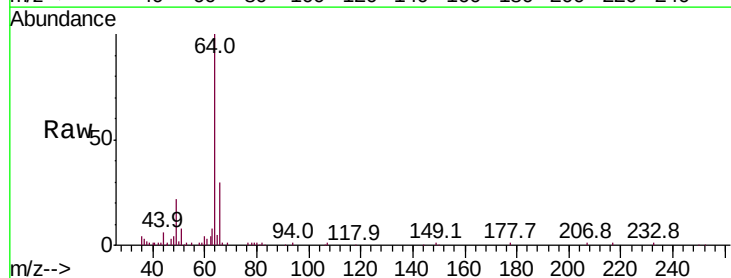
Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

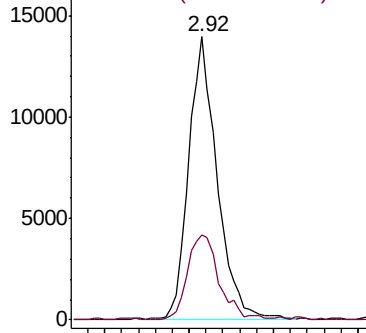
Tgt Ion: 64 Resp: 32099

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.9	38.9

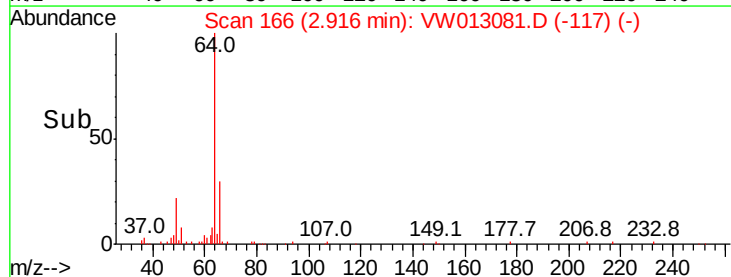


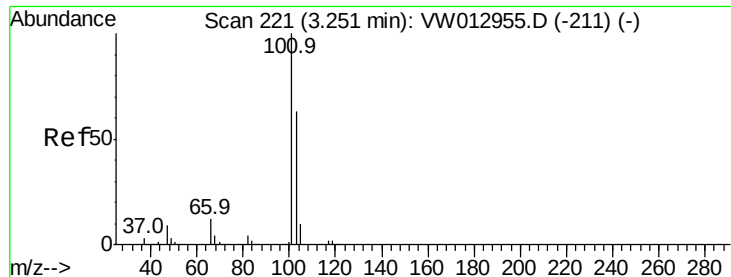
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->



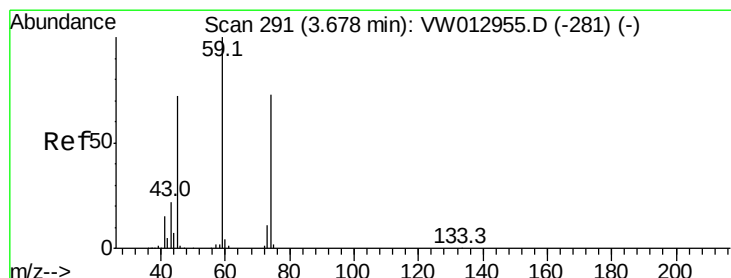
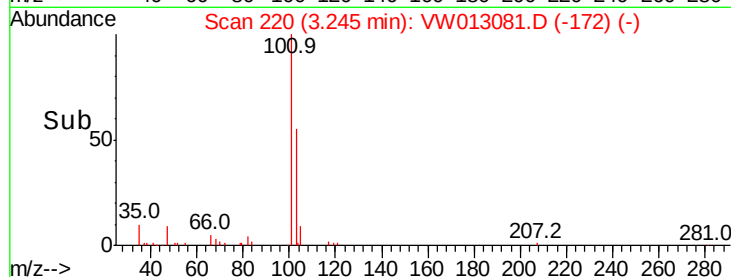
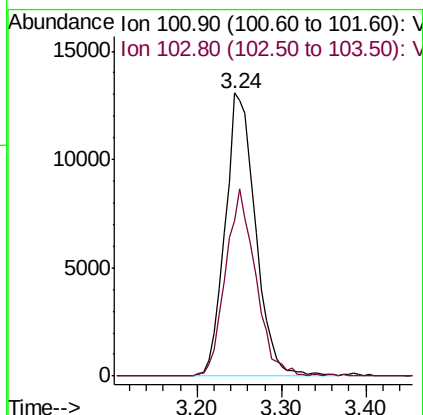
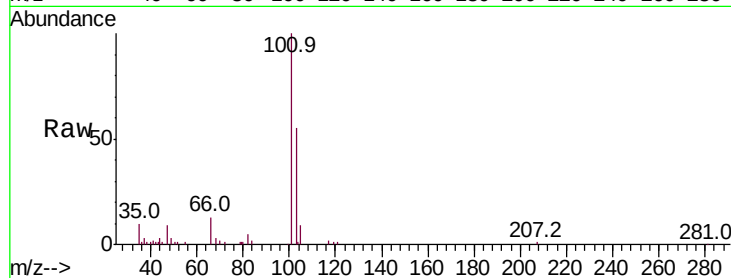


#7

Trichlorofluoromethane
 Concen: 18.097 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

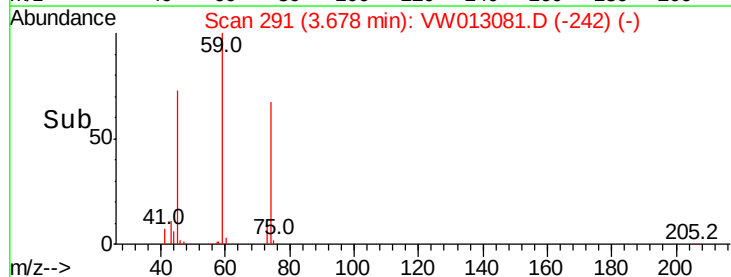
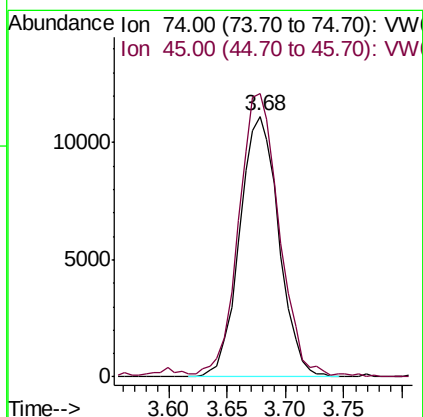
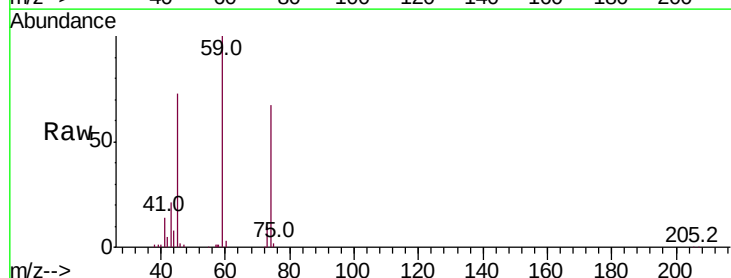
Tot Ion:101 Resp: 32149
 Ion Ratio Lower Upper
 101 100
 103 54.9 50.7 76.1

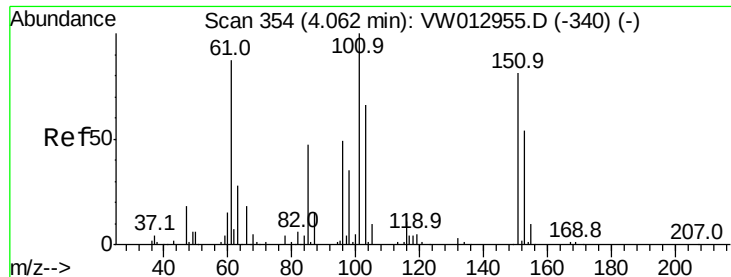


#8

Diethyl Ether
 Concen: 18.714 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 74 Resp: 25958
 Ion Ratio Lower Upper
 74 100
 45 113.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.052 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

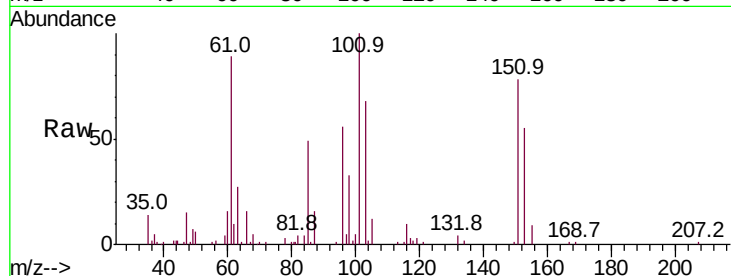
Tot Ion:101 Resp: 51333

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

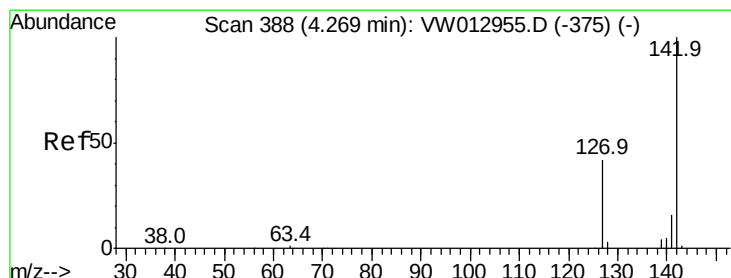
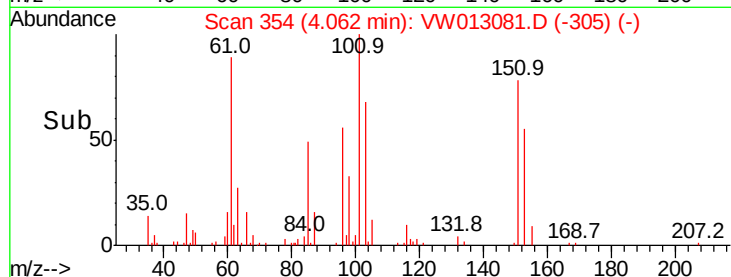
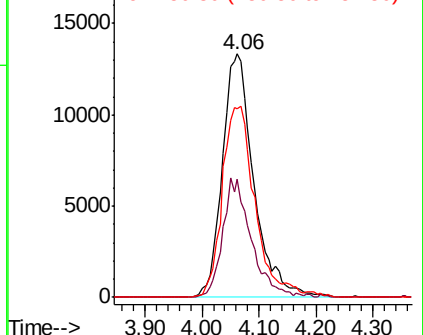
151 81.4 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.064 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

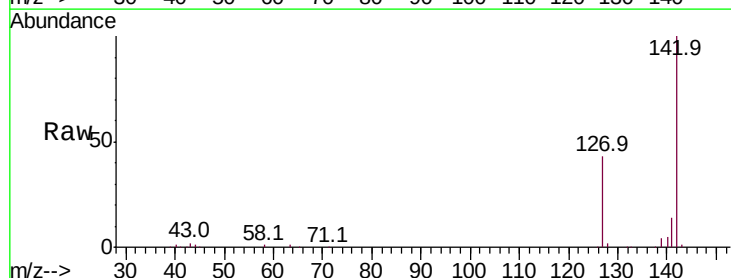
Tgt Ion:142 Resp: 67656

Ion Ratio Lower Upper

142 100

127 41.4 34.7 52.1

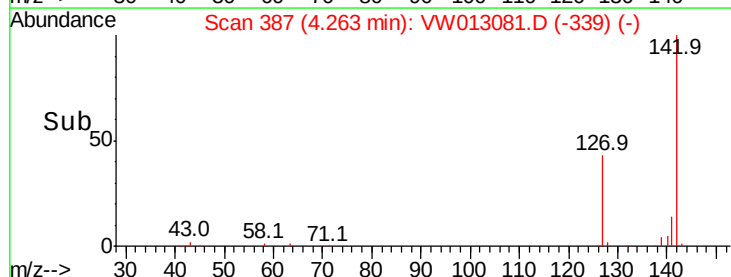
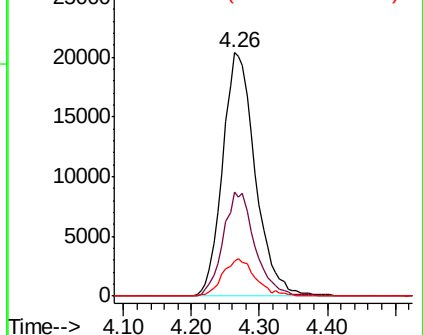
141 15.3 12.2 18.2

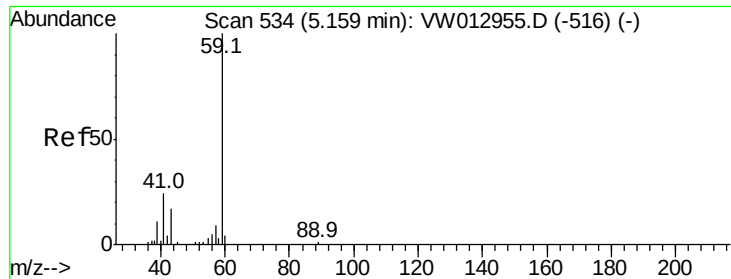


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



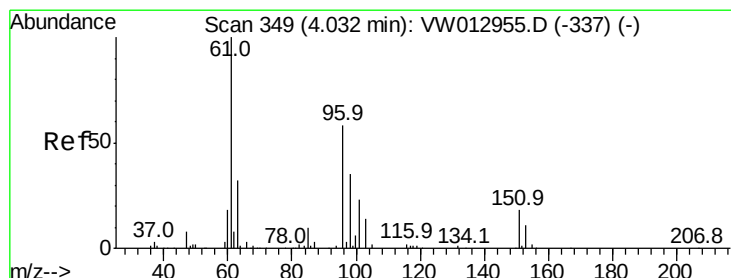
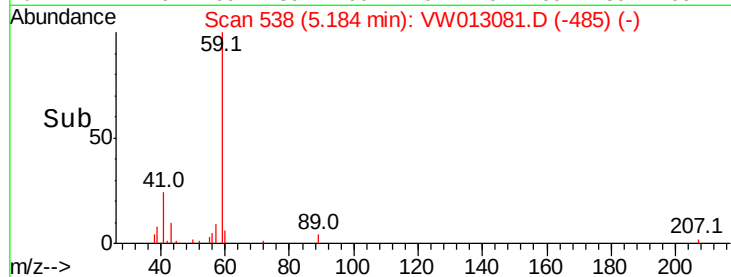
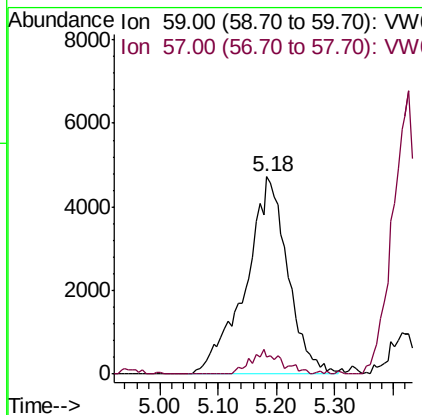
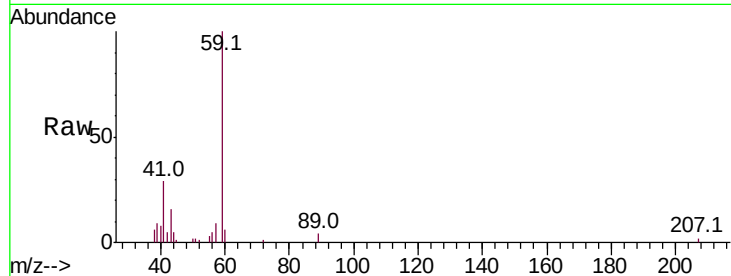


#11

Tert butyl alcohol
Concen: 93.516 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

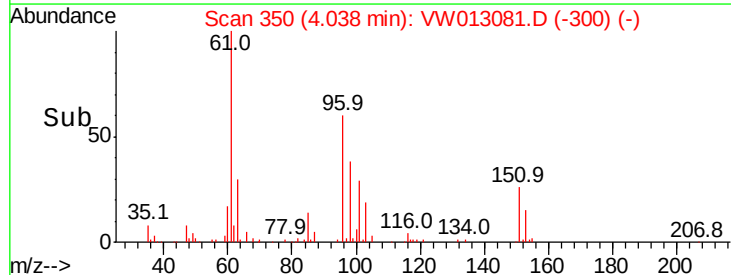
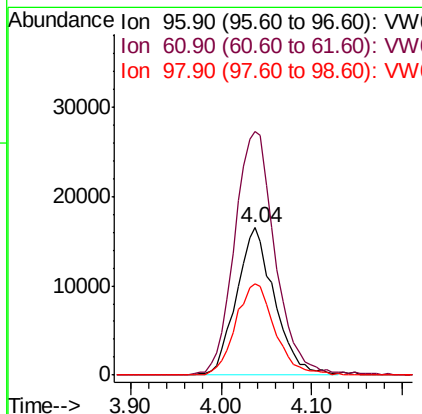
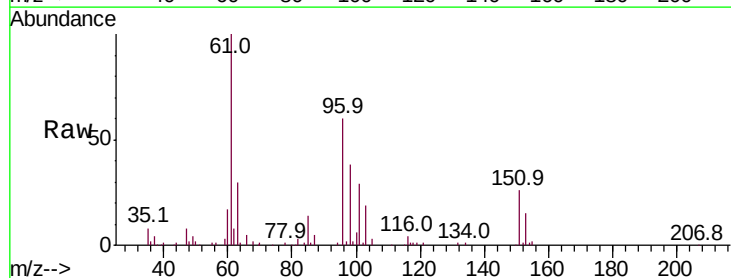
Tot Ion: 59 Resp: 23659
Ion Ratio Lower Upper
59 100
57 8.1 8.5 12.7#

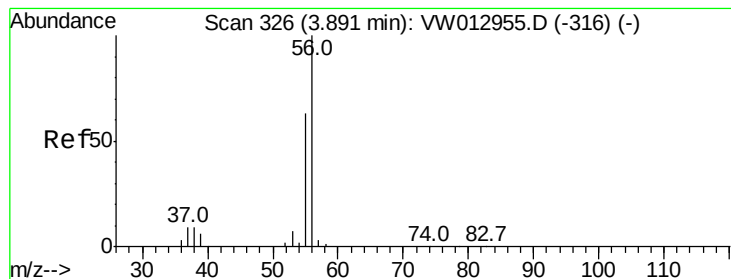


#12

1,1-Dichloroethene
Concen: 19.621 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 96 Resp: 48069
Ion Ratio Lower Upper
96 100
61 165.6 137.9 206.9
98 62.1 48.9 73.3





#13

Acrolein

Concen: 90.222 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

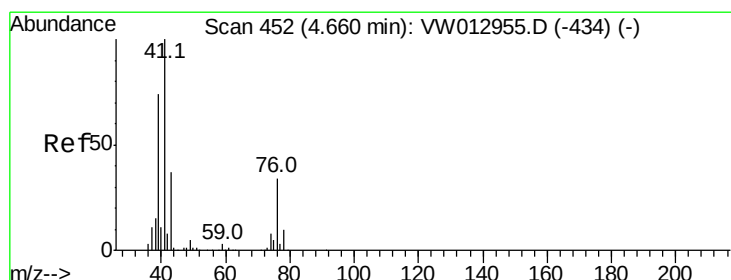
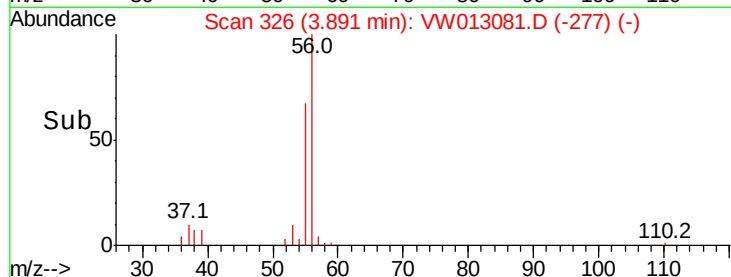
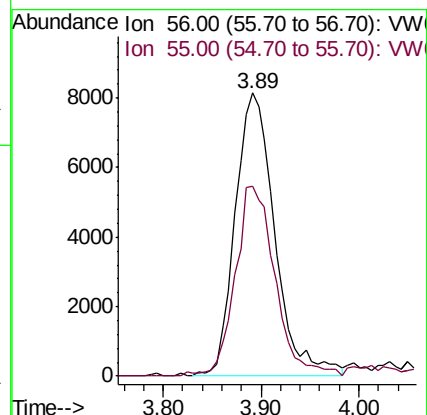
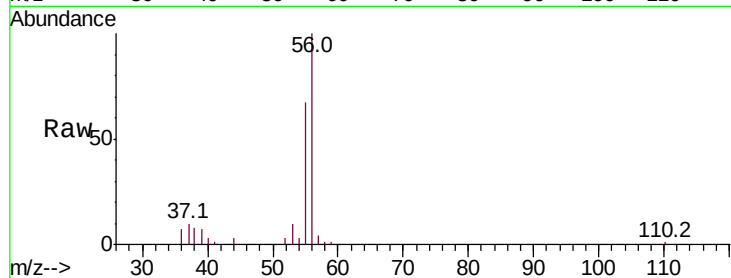
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 22884

Ion Ratio Lower Upper

56 100

55 67.7 55.8 83.8



#14

Allyl chloride

Concen: 19.775 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

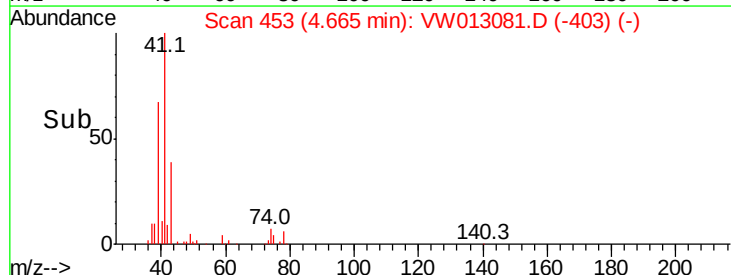
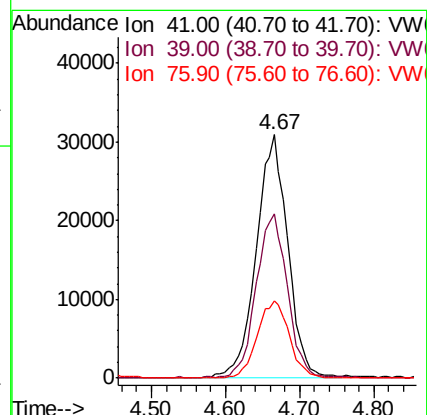
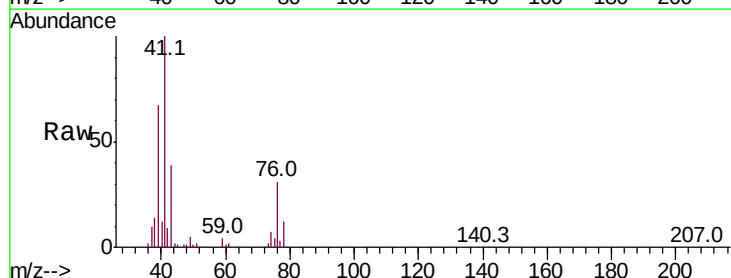
Tgt Ion: 41 Resp: 91971

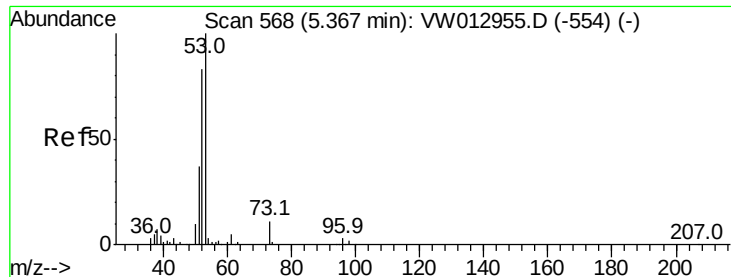
Ion Ratio Lower Upper

41 100

39 67.1 56.7 85.1

76 31.9 25.1 37.7





#15

Acrylonitrile

Concen: 97.200 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

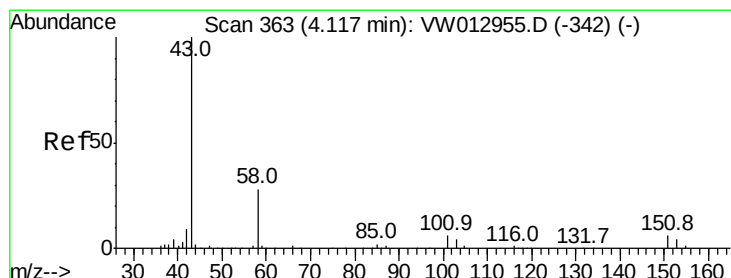
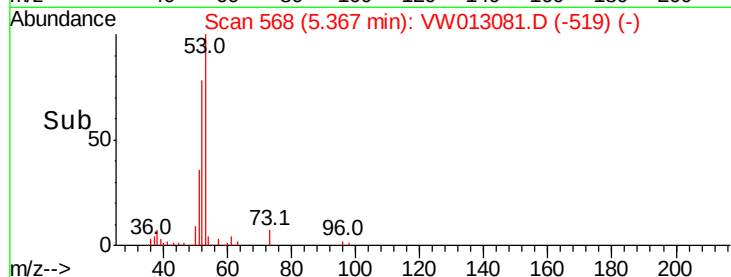
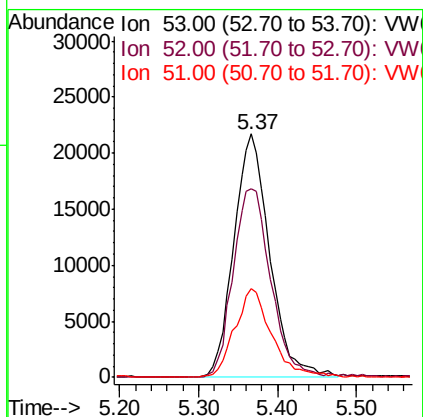
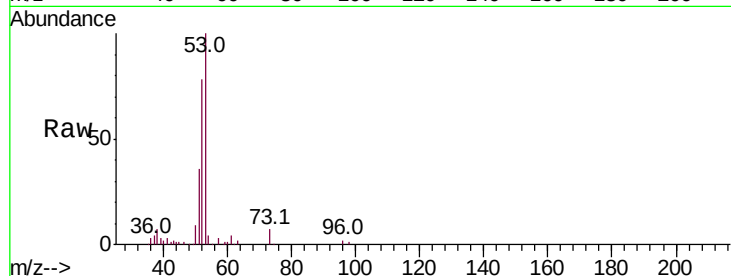
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 68863

Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.6	100.0
51	37.2	29.8	44.8



#16

Acetone

Concen: 76.366 ug/l

RT: 4.12 min Scan# 364

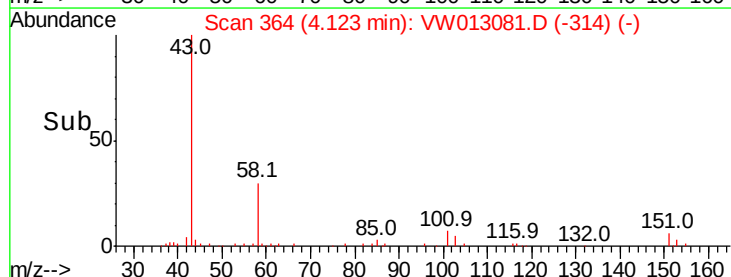
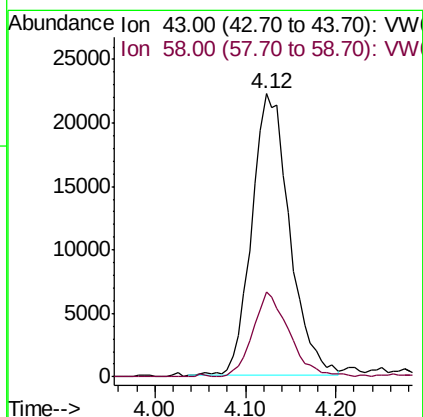
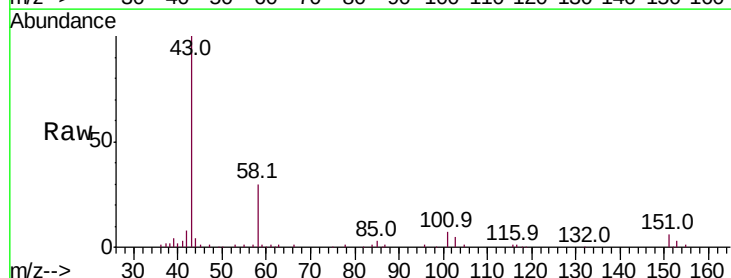
Delta R.T. 0.01 min

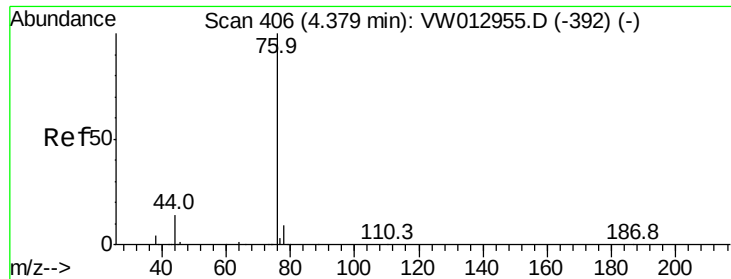
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion: 43 Resp: 63973

Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.3	33.5





#17

Carbon Disulfide

Concen: 19.919 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

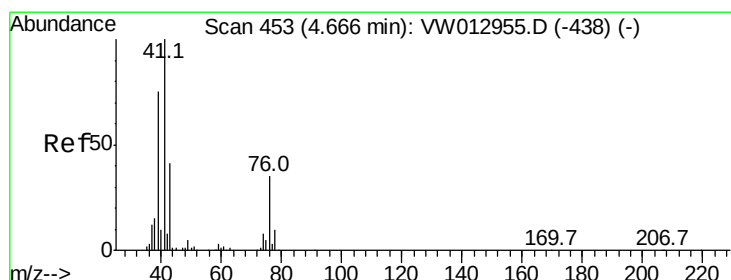
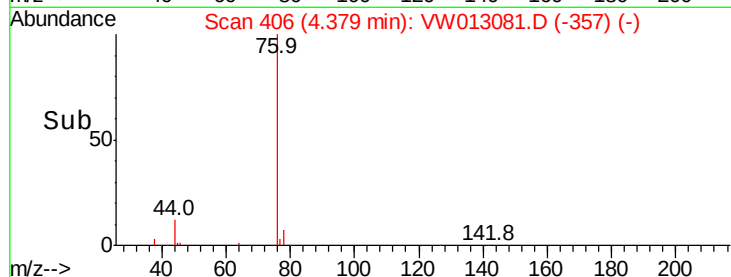
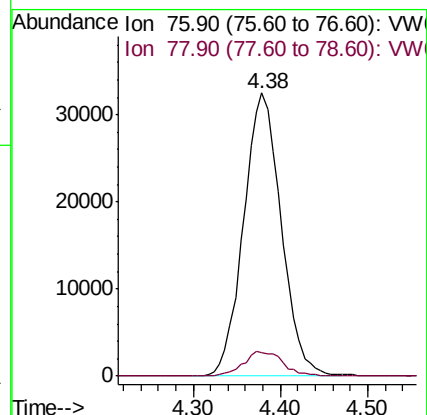
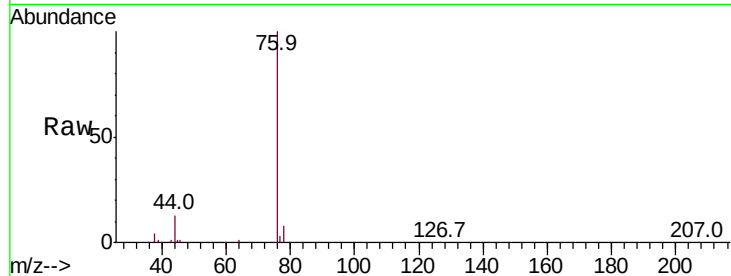
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 97246

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#18

Methyl Acetate

Concen: 19.571 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013081.D

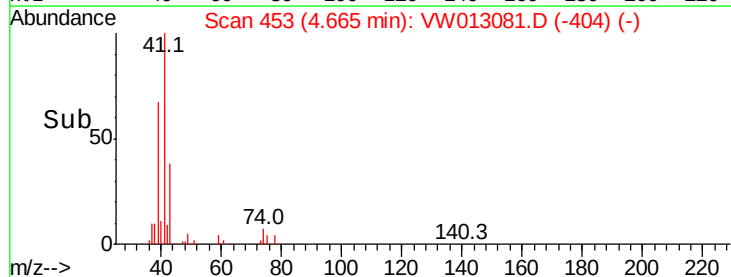
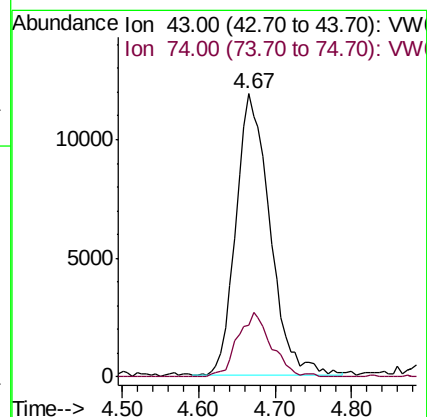
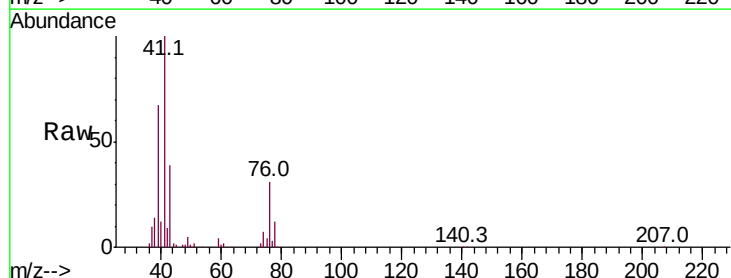
Acq: 17 Sep 2019 11:19

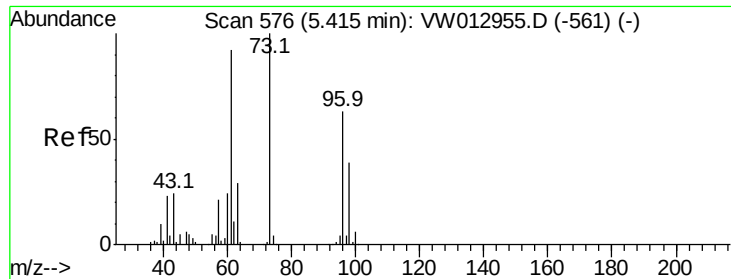
Tgt Ion: 43 Resp: 36549

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.8

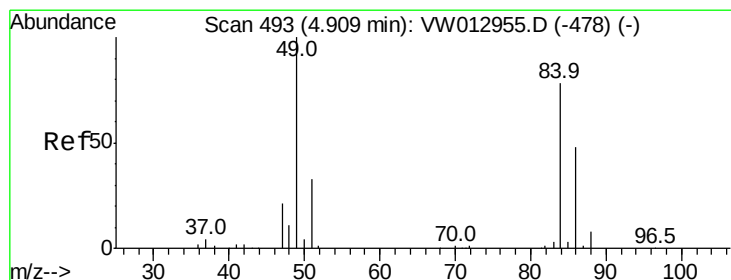
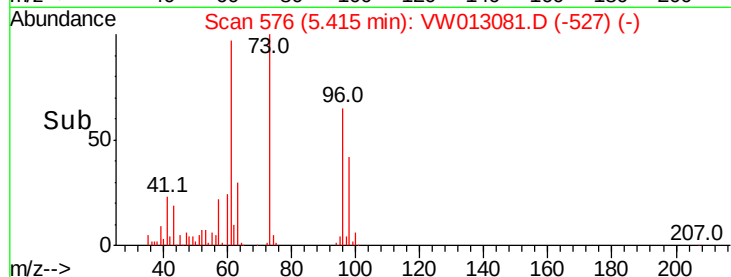
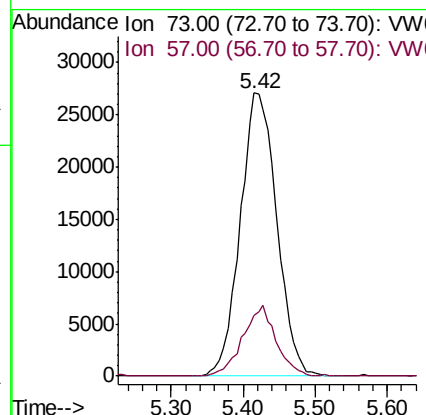
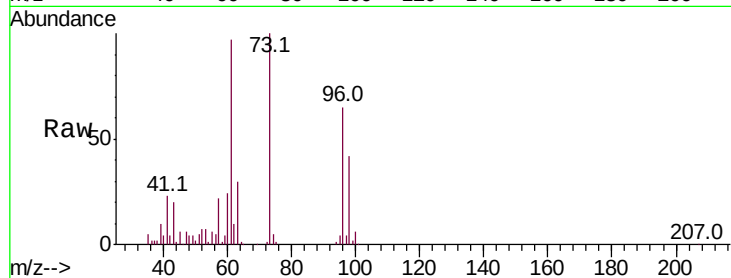




#19
Methyl tert-butyl Ether
Concen: 19.727 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

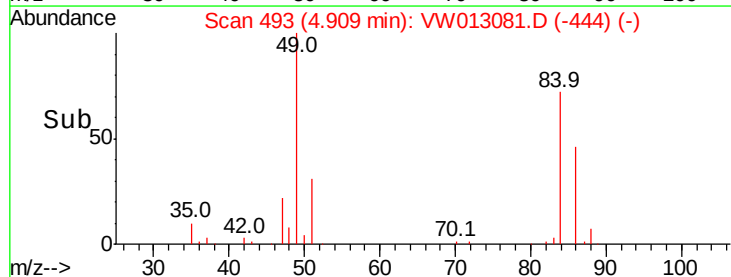
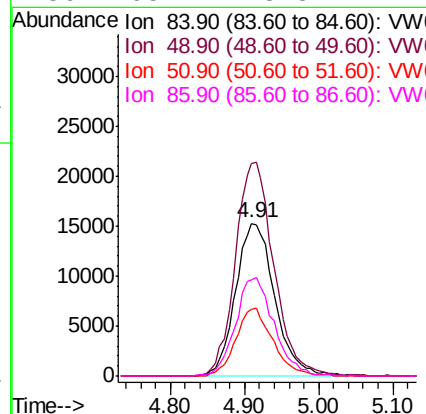
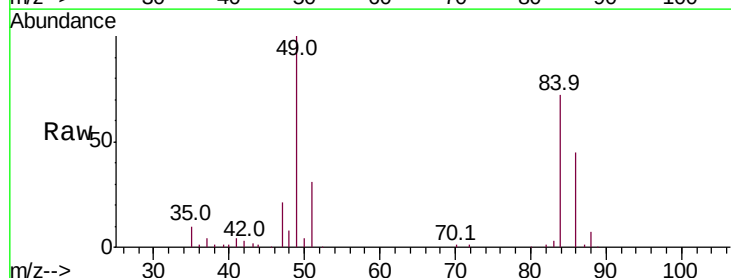
Instrument :
MSVOA_W
ClientSampled :

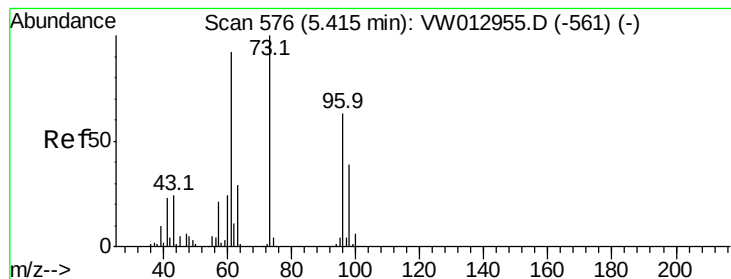
Tot Ion: 73 Resp: 95398
Ion Ratio Lower Upper
73 100
57 21.6 16.4 24.6



#20
Methylene Chloride
Concen: 17.873 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 84 Resp: 56157
Ion Ratio Lower Upper
84 100
49 139.3 102.0 153.0
51 43.6 34.0 51.0
86 63.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.055 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

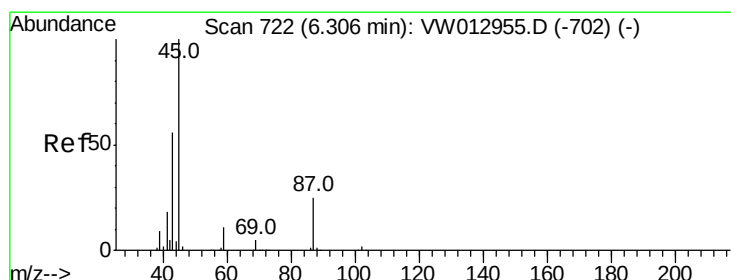
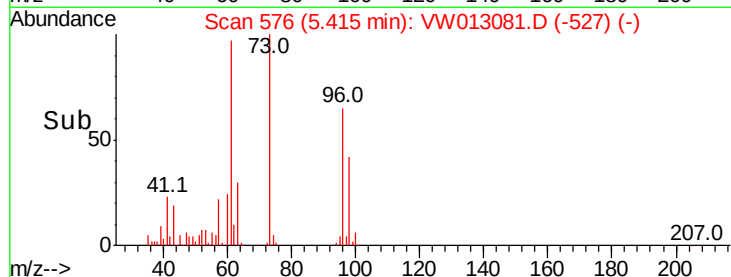
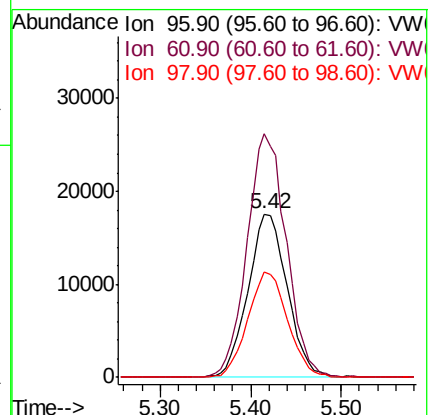
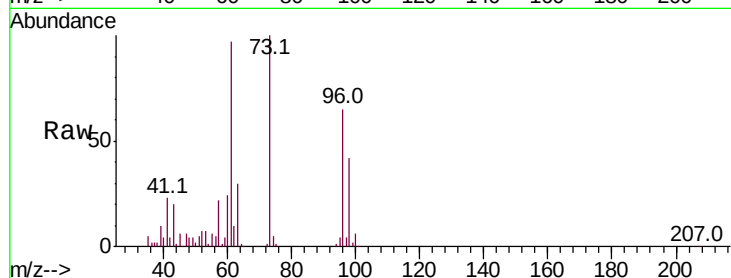
Tot Ion: 96 Resp: 52621

Ion Ratio Lower Upper

96 100

61 149.4 116.2 174.2

98 64.3 49.8 74.6



#22

Diisopropyl ether

Concen: 20.637 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion: 45 Resp: 199393

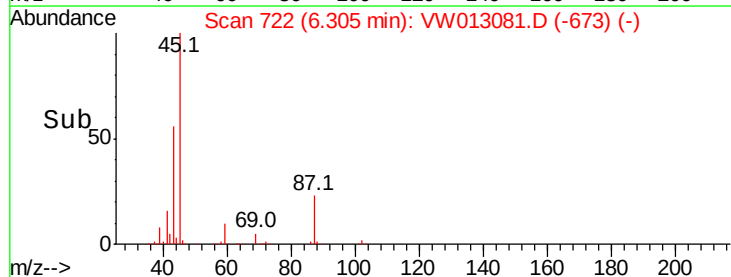
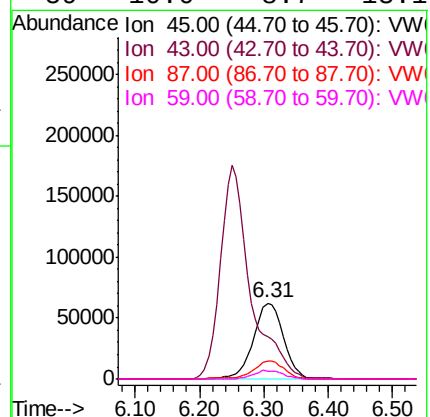
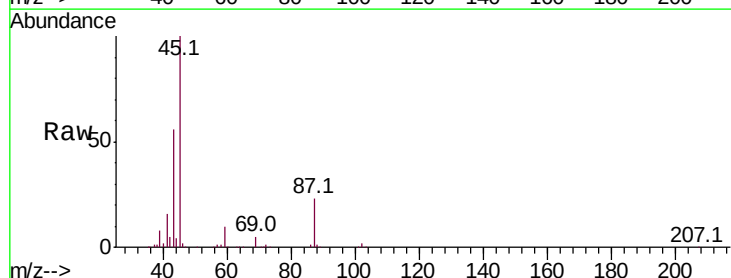
Ion Ratio Lower Upper

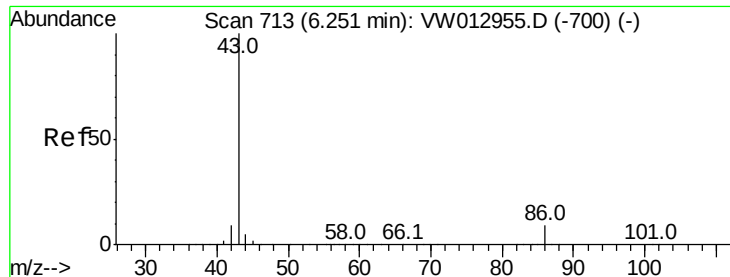
45 100

43 55.7 44.6 67.0

87 23.1 20.0 30.0

59 10.0 8.7 13.1





#23

Vinyl Acetate

Concen: 99.190 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

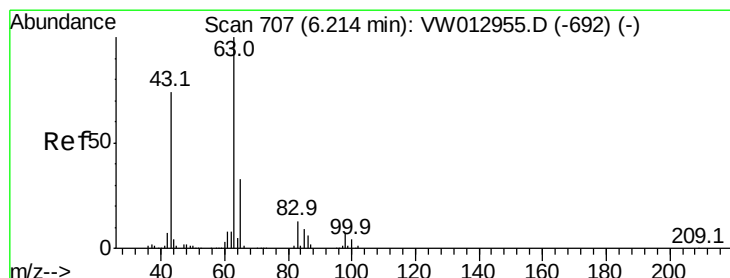
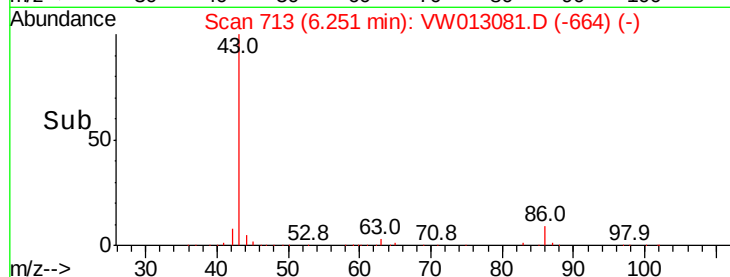
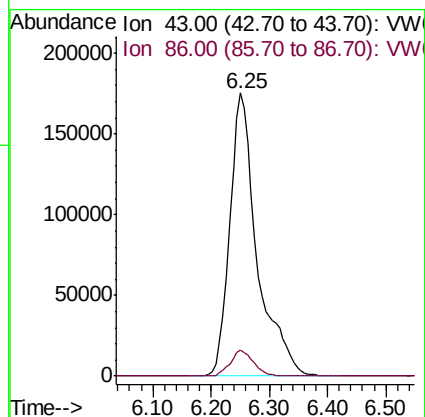
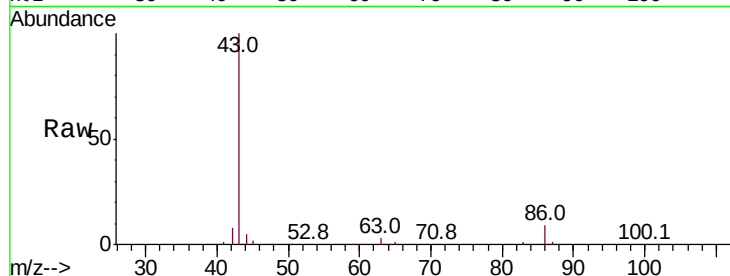
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 573998

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.592 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

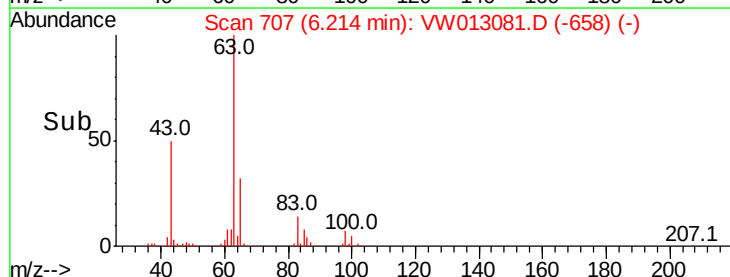
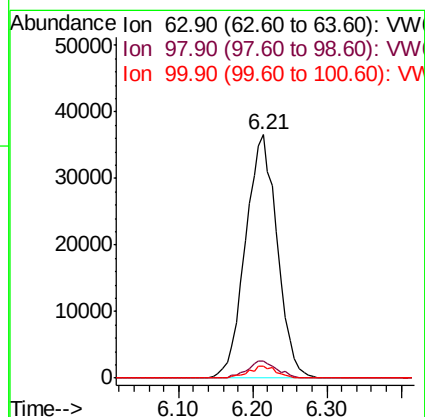
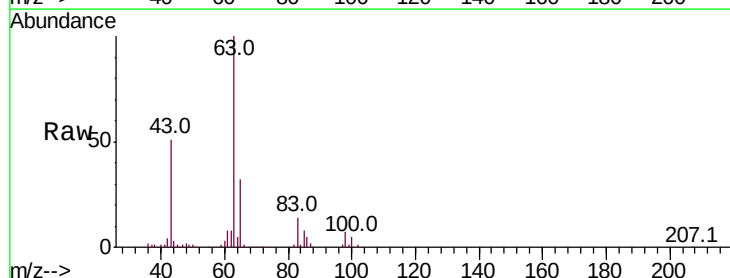
Tgt Ion: 63 Resp: 109140

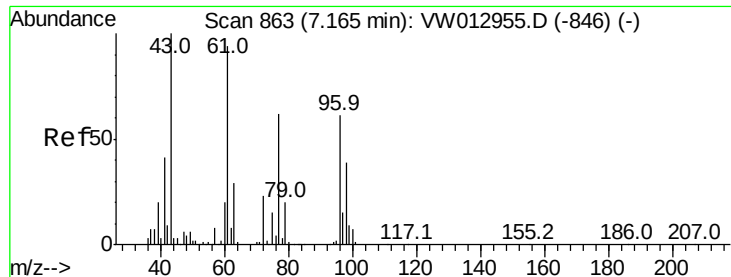
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 97.470 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

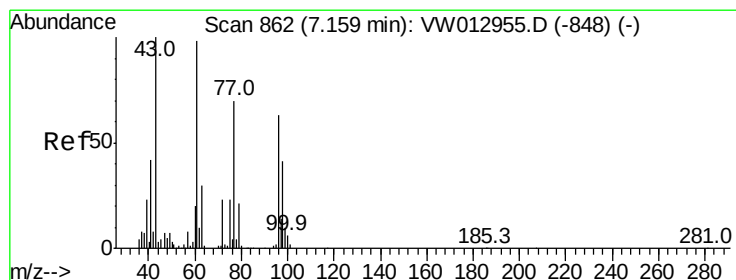
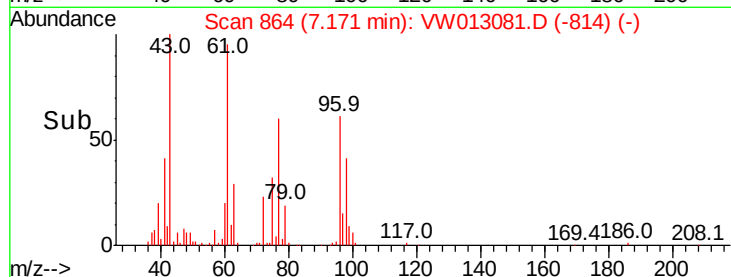
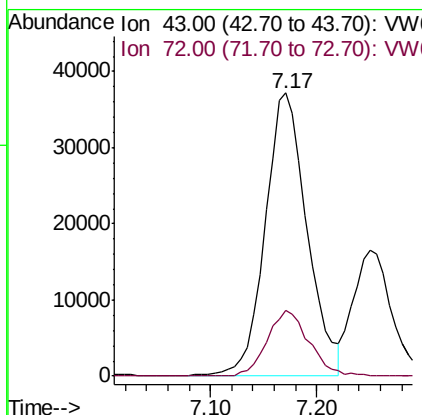
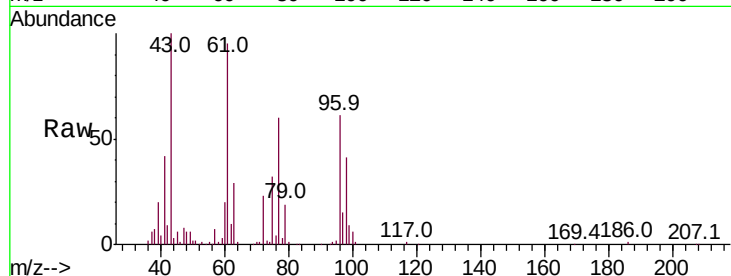
ClientSampled :

Tot Ion: 43 Resp: 101592

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 18.417 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013081.D

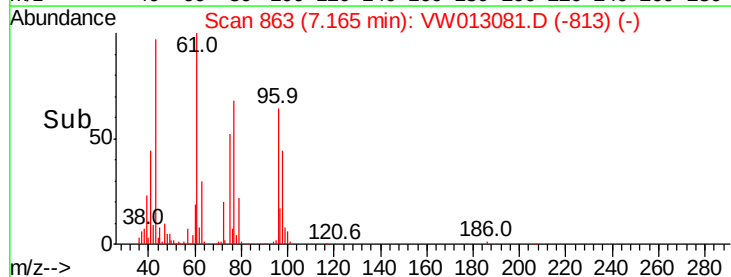
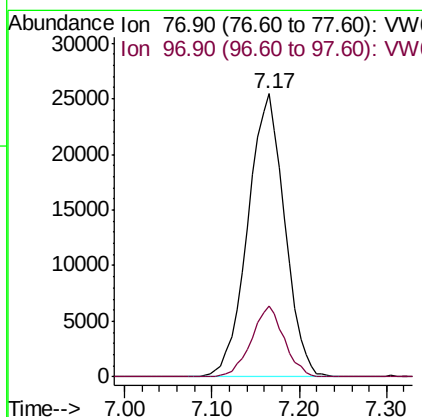
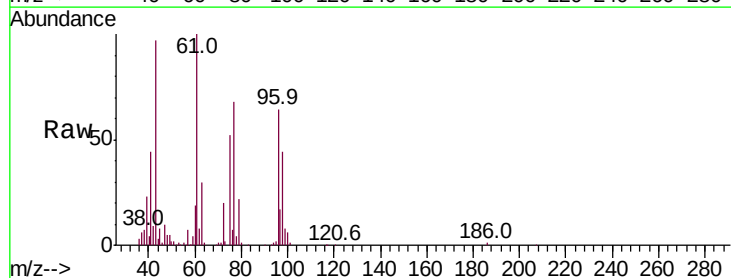
Acq: 17 Sep 2019 11:19

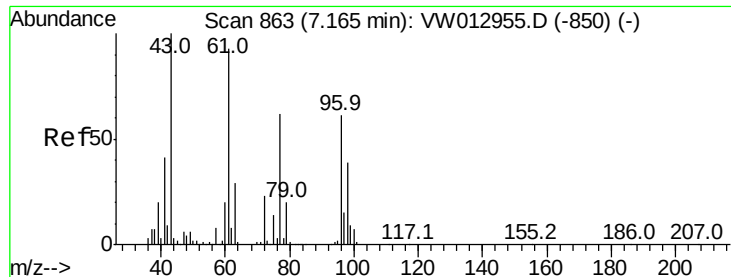
Tgt Ion: 77 Resp: 74794

Ion Ratio Lower Upper

77 100

97 22.1 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 20.450 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

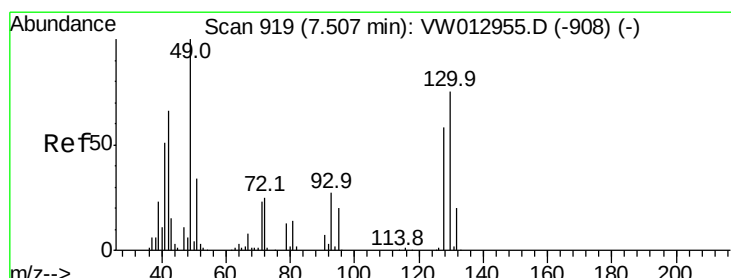
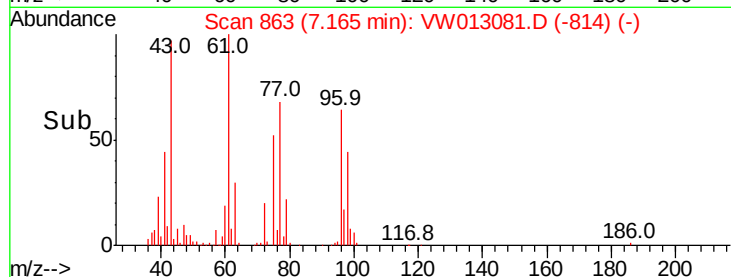
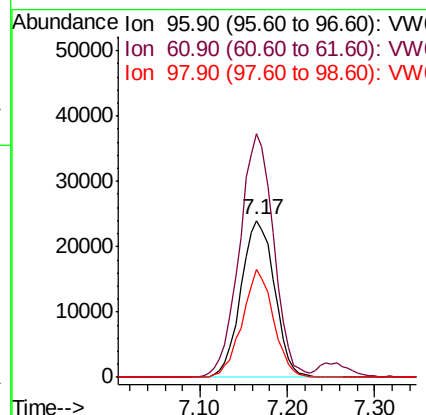
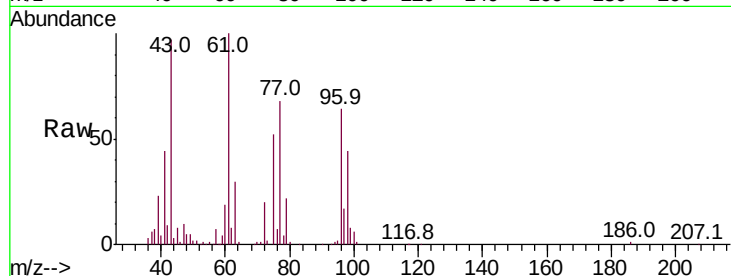
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 64239

Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	315.4
98	63.5	0.0	131.0



#28

Bromochloromethane

Concen: 19.362 ug/l

RT: 7.51 min Scan# 920

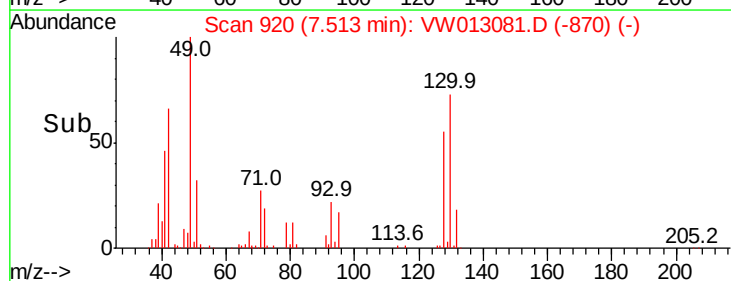
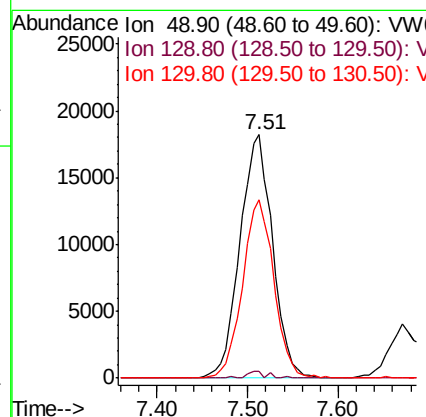
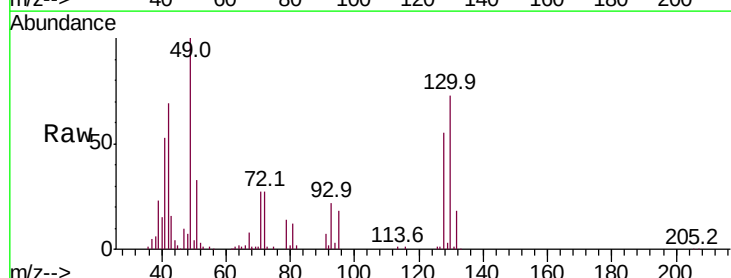
Delta R.T. 0.01 min

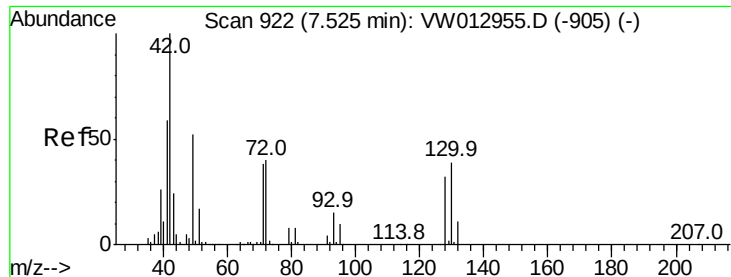
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion: 49 Resp: 45397

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	70.3	57.8	86.6

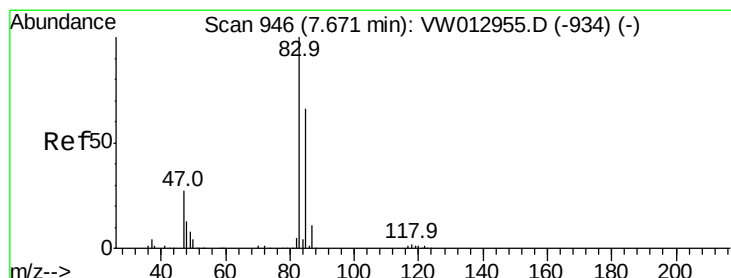
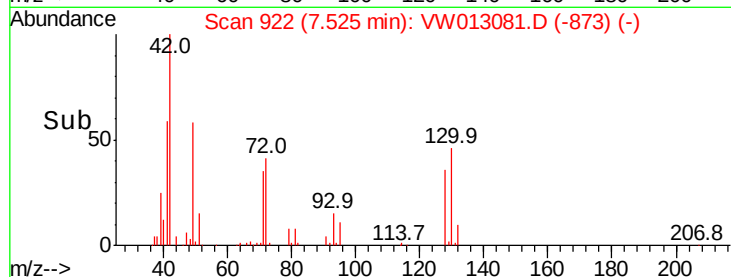
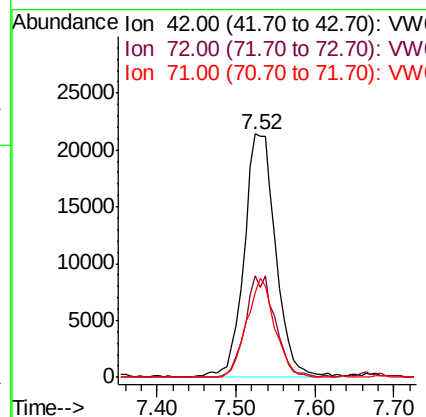
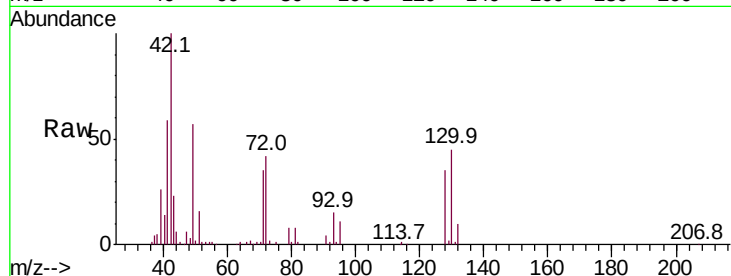




#29
Tetrahydrofuran
Concen: 100.908 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

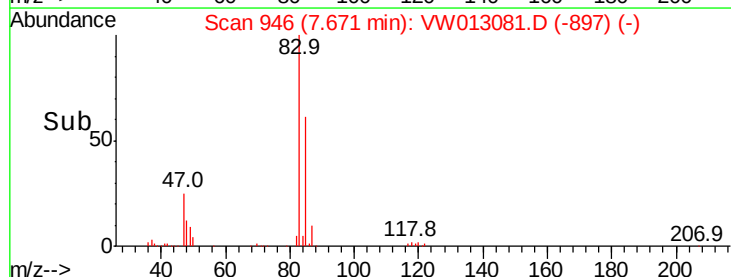
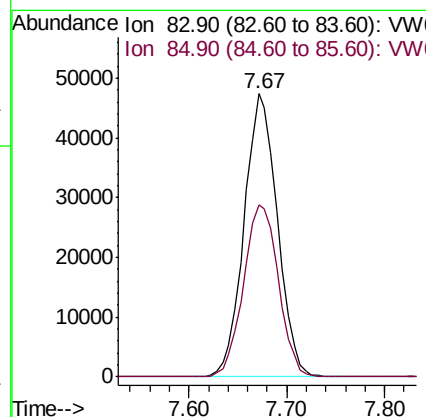
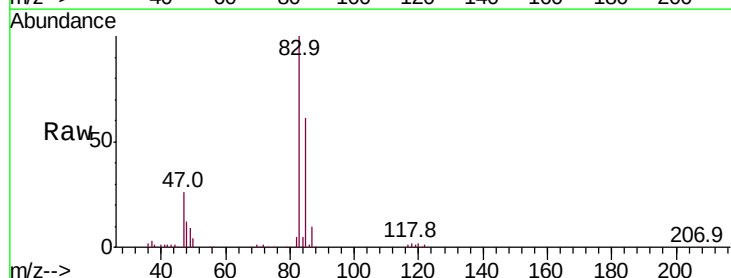
Instrument :
MSVOA_W
ClientSampled :

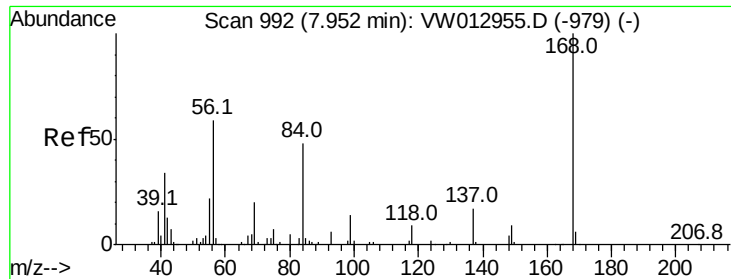
Tot Ion: 42 Resp: 59927
Ion Ratio Lower Upper
42 100
72 39.4 31.4 47.0
71 36.4 29.8 44.8



#30
Chloroform
Concen: 19.736 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 83 Resp: 111711
Ion Ratio Lower Upper
83 100
85 60.9 52.8 79.2

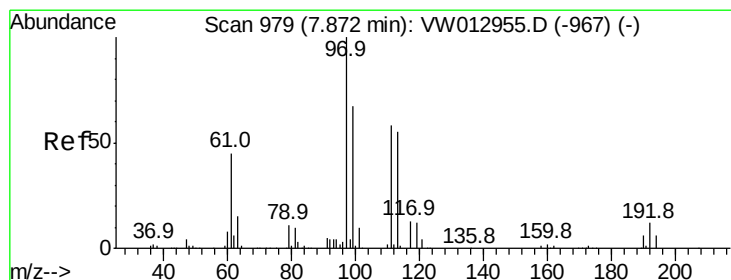
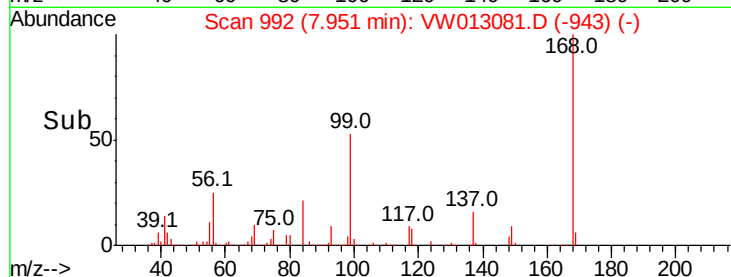
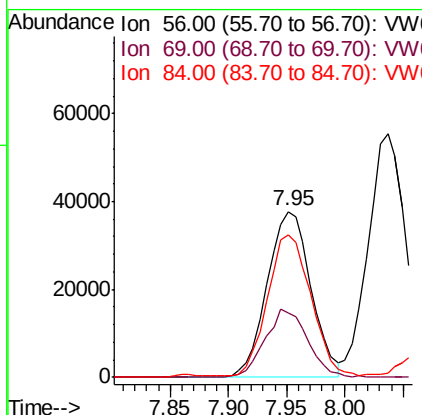
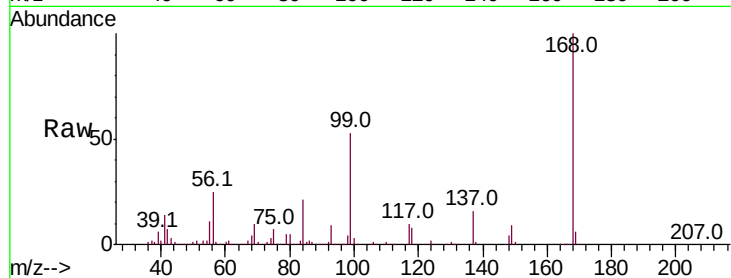




#31
Cyclohexane
Concen: 21.005 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

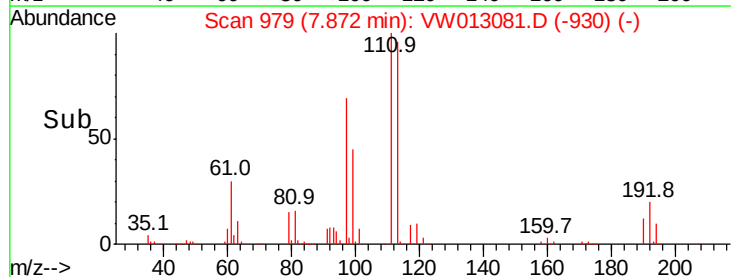
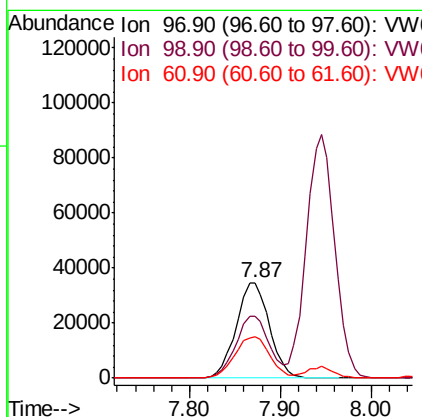
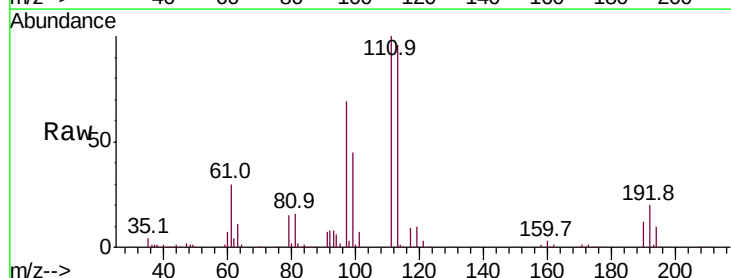
Instrument :
MSVOA_W
ClientSampled :

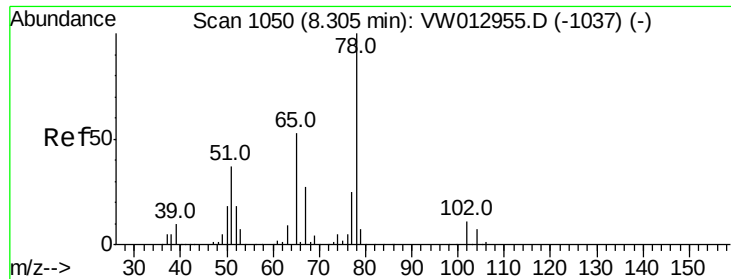
Tot Ion: 56 Resp: 98146
Ion Ratio Lower Upper
56 100
69 39.2 27.0 40.6
84 84.1 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 18.888 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 97 Resp: 88041
Ion Ratio Lower Upper
97 100
99 65.4 53.0 79.4
61 45.8 36.5 54.7

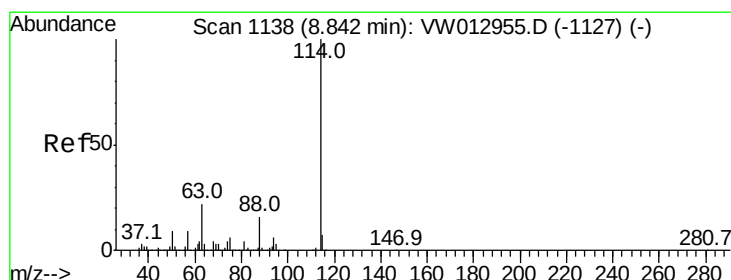
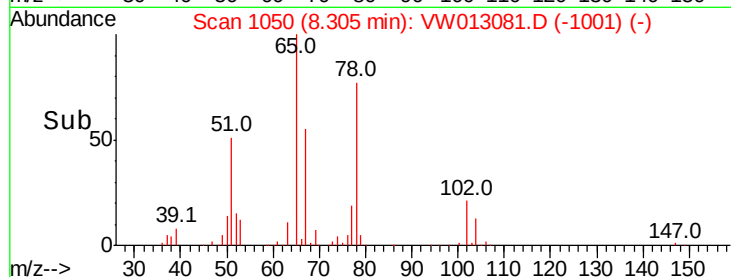
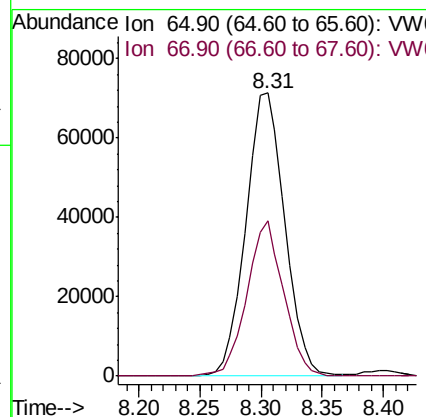
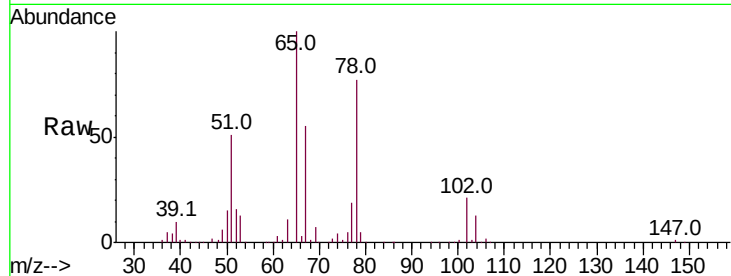




#33
 1,2-Dichloroethane-d4
 Concen: 48.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

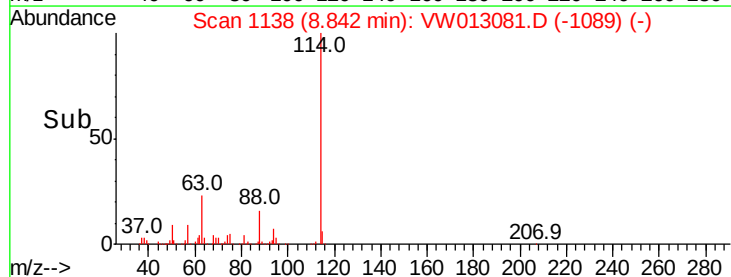
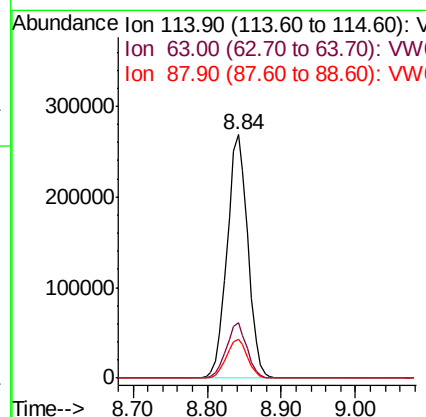
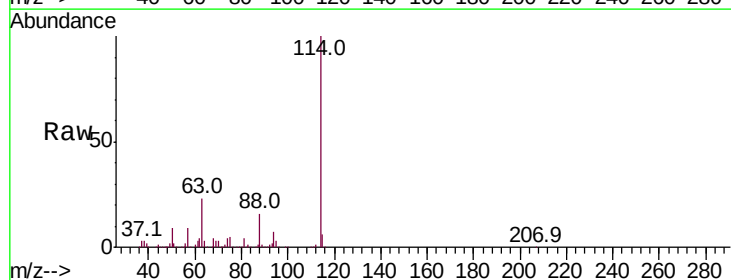
Instrument :
 MSVOA_W
 ClientSampleId :

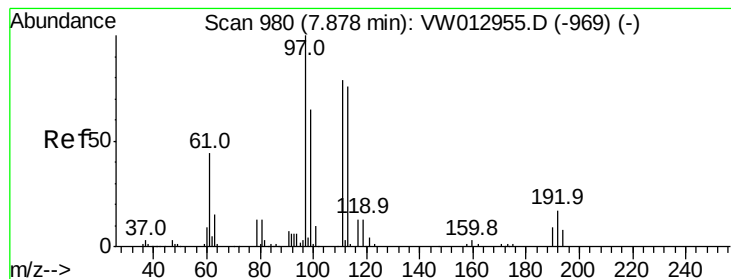
Tot Ion: 65 Resp: 157971
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 114 Resp: 520495
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.957 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

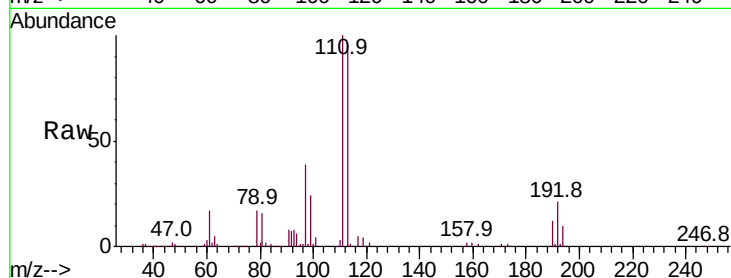
Tot Ion:113 Resp: 138268

Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

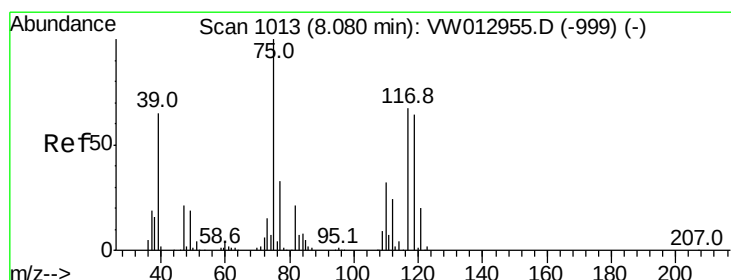
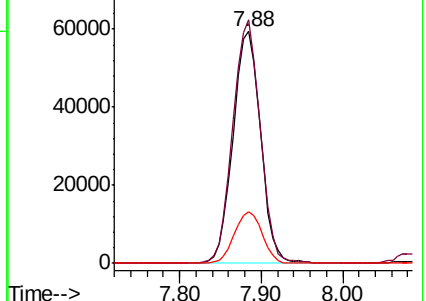
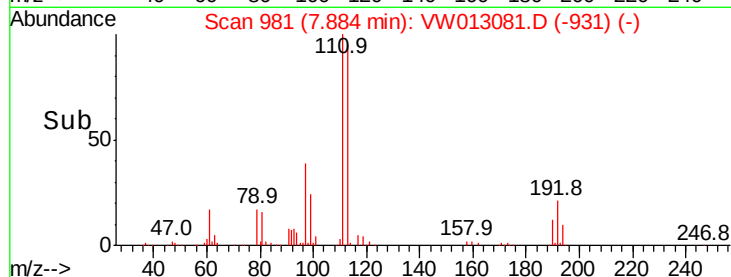
192 22.5 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.042 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

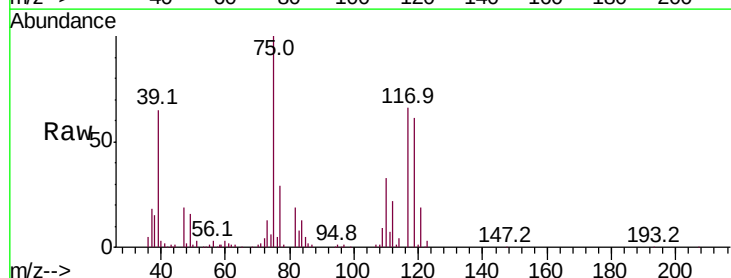
Tgt Ion: 75 Resp: 83358

Ion Ratio Lower Upper

75 100

110 32.3 16.4 49.1

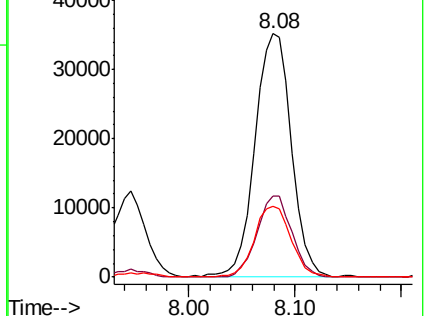
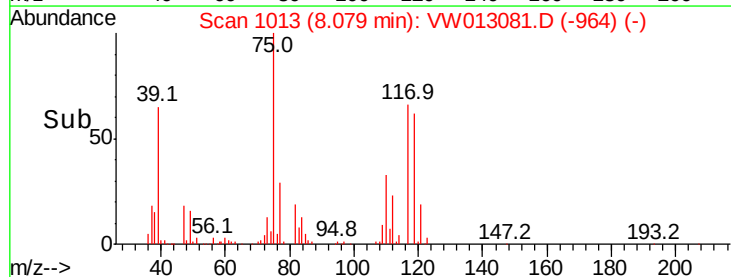
77 29.9 25.1 37.7

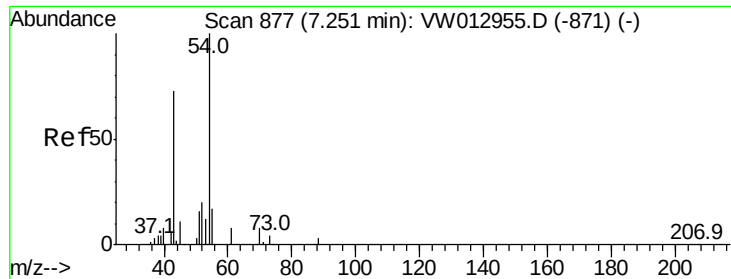


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

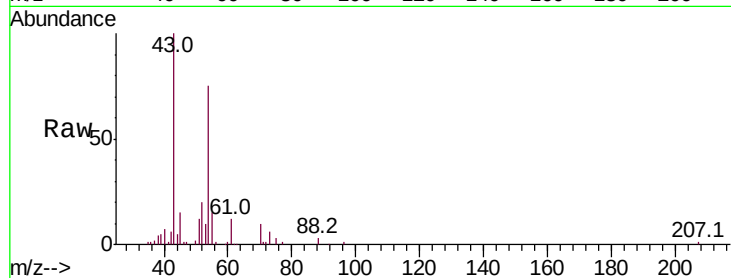




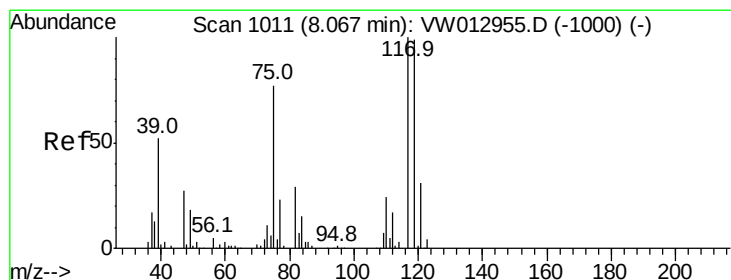
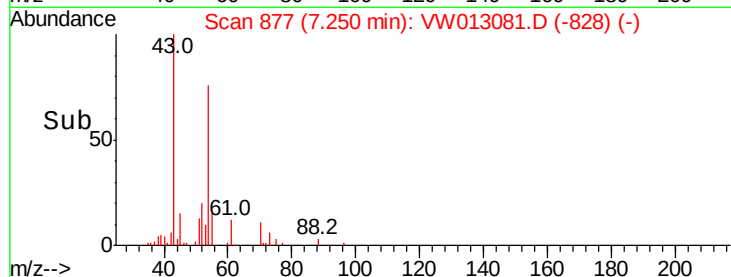
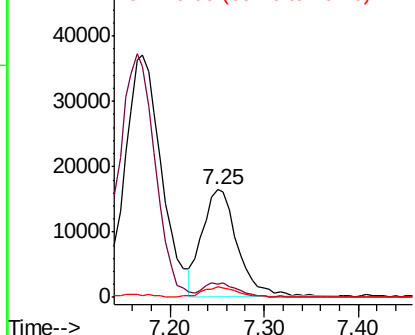
#37
Ethyl Acetate
Concen: 19.297 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 42602
Ion Ratio Lower Upper
43 100
61 12.9 9.6 14.4
70 9.7 7.6 11.4

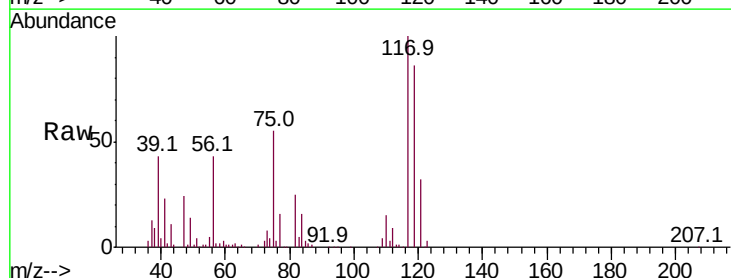


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

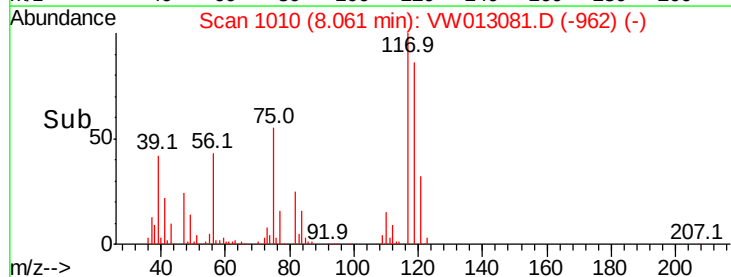
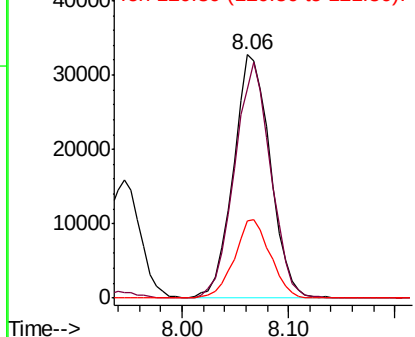


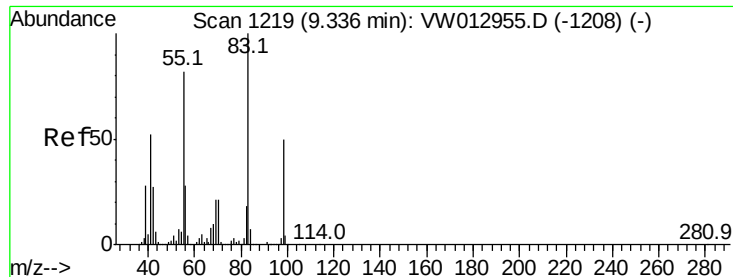
#38
Carbon Tetrachloride
Concen: 18.639 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 117 Resp: 79445
Ion Ratio Lower Upper
117 100
119 86.1 79.4 119.0
121 31.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

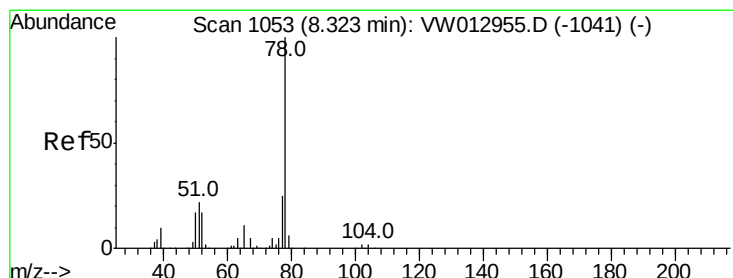
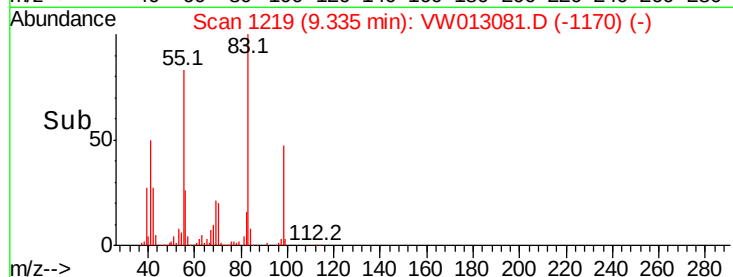
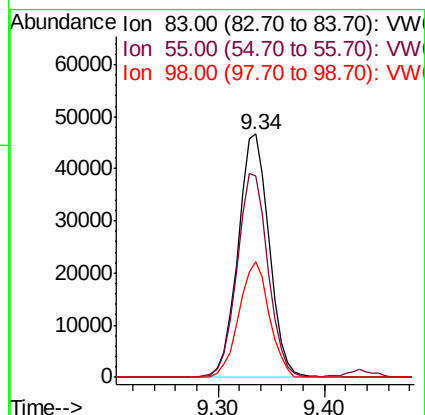
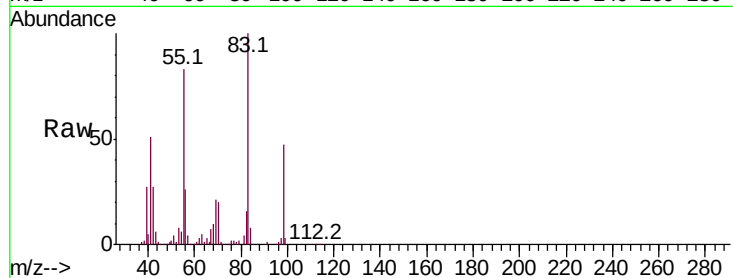




#39
Methylvlcyclohexane
Concen: 21.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

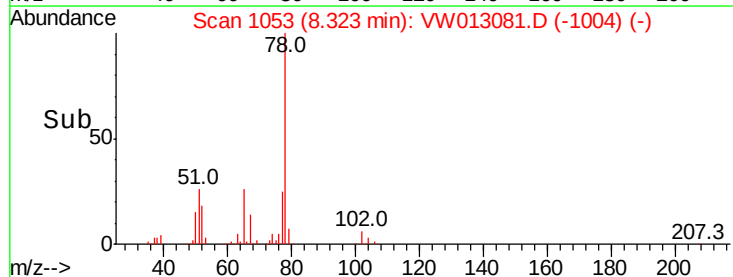
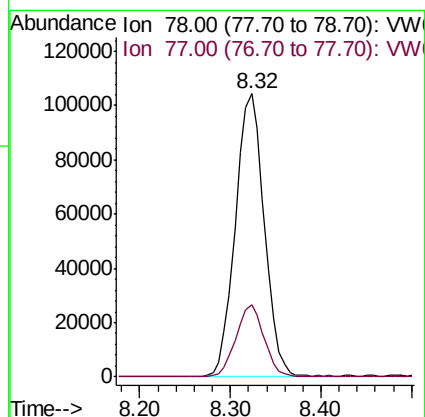
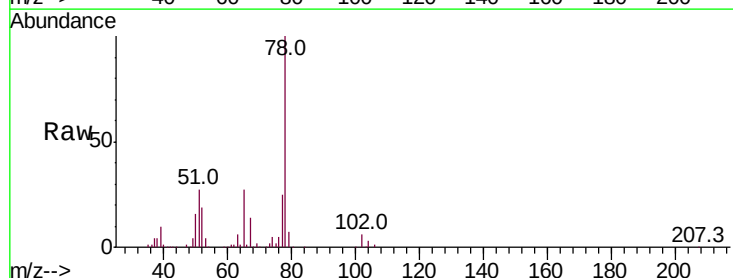
Instrument :
MSVOA_W
ClientSampleId :

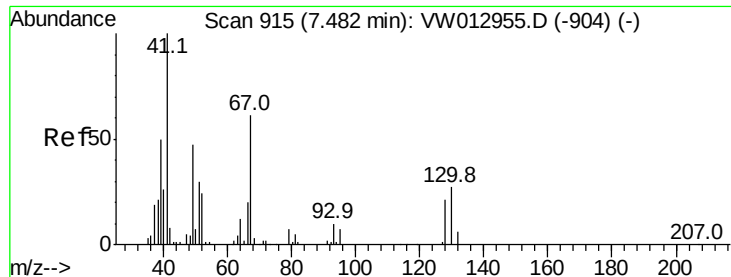
Tot Ion: 83 Resp: 95859
Ion Ratio Lower Upper
83 100
55 82.8 65.9 98.9
98 47.5 39.6 59.4



#40
Benzene
Concen: 19.939 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 78 Resp: 231519
Ion Ratio Lower Upper
78 100
77 25.4 19.6 29.4

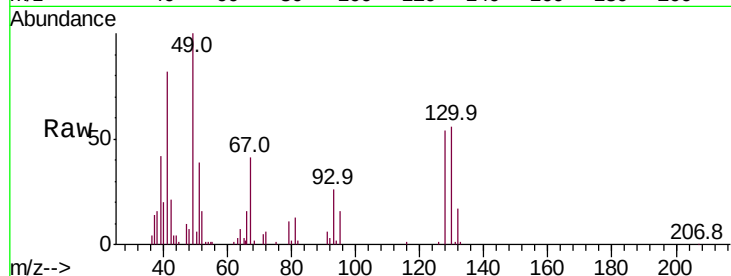




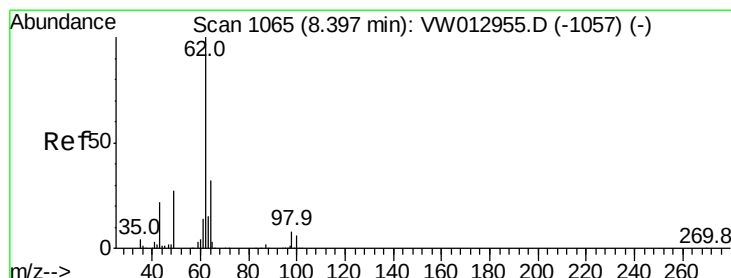
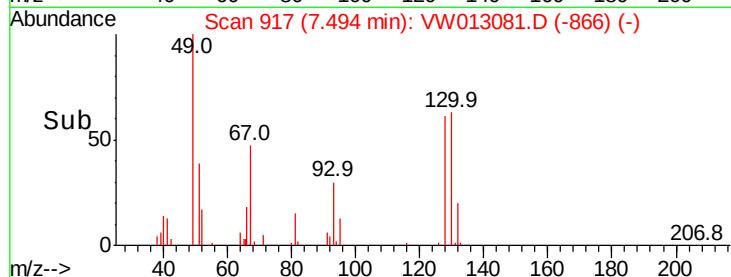
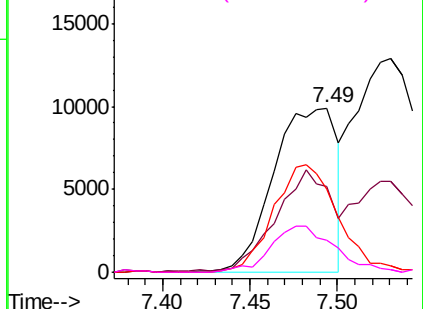
#41
Methacrylonitrile
Concen: 17.262 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	25096
Ion	Ratio	Lower	Upper
41	100		
39	54.9	48.2	72.4
67	66.7	47.5	71.3
52	28.5	21.0	31.4

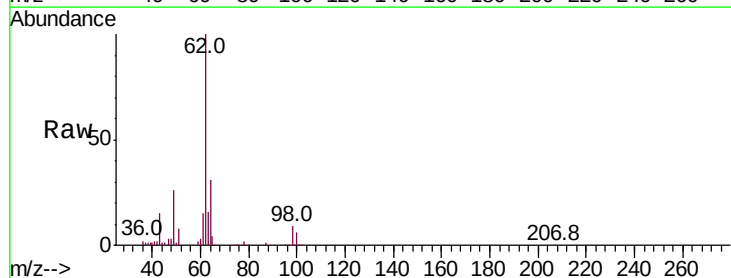


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

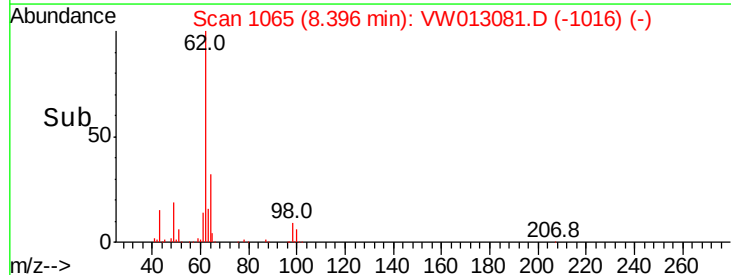
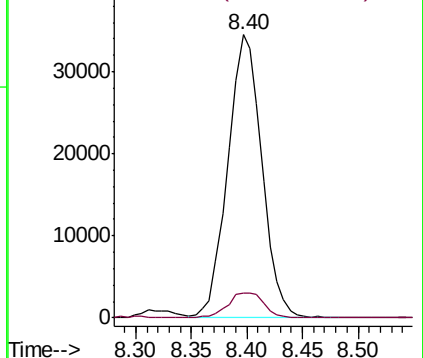


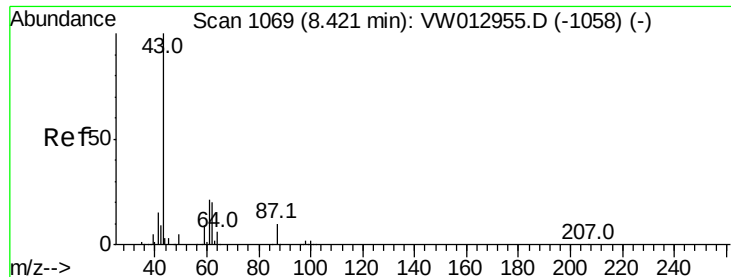
#42
1,2-Dichloroethane
Concen: 18.749 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:	62	Resp:	72976
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.8



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

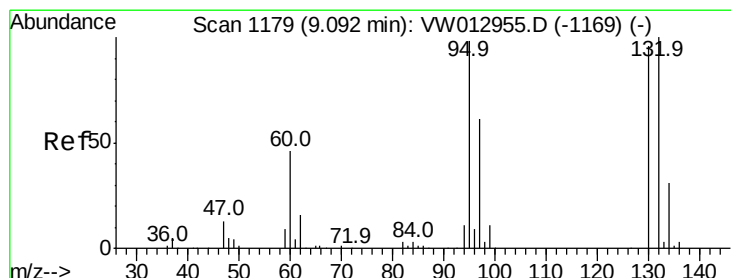
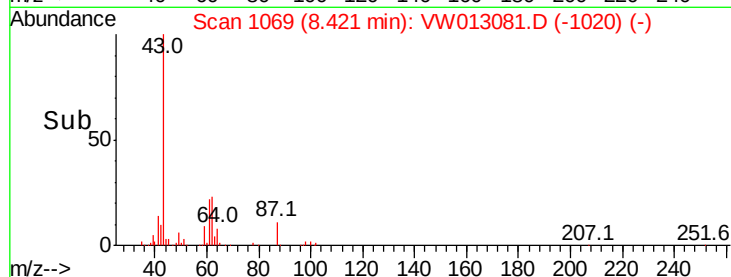
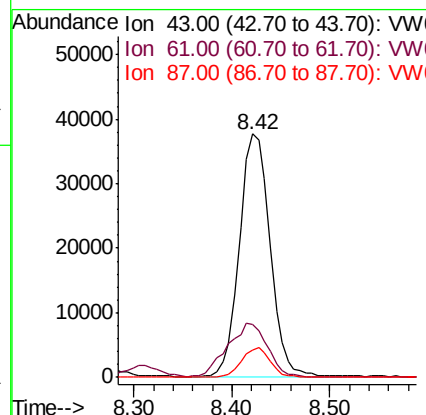
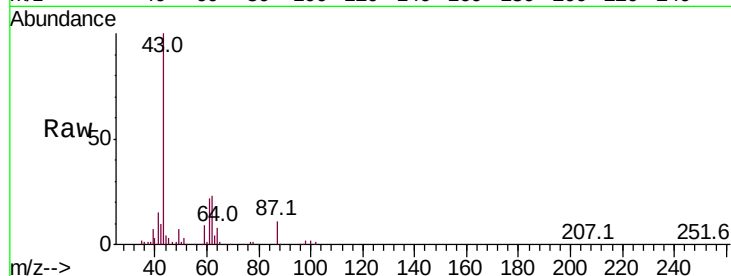




#43
Isopropyl Acetate
Concen: 19.566 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

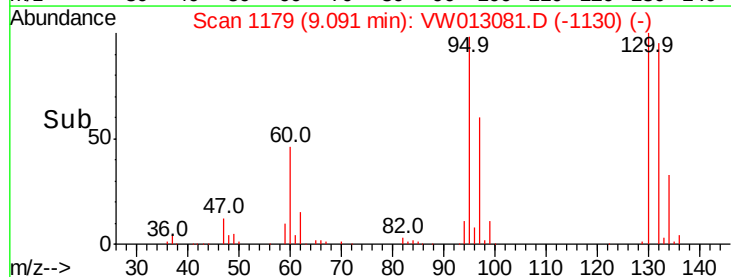
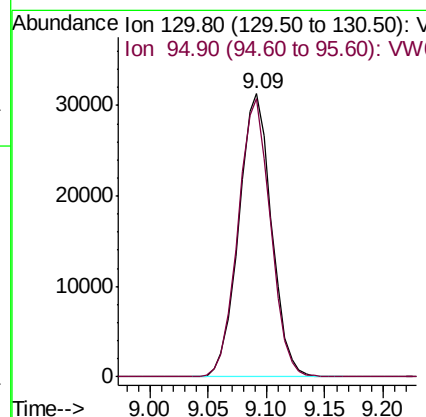
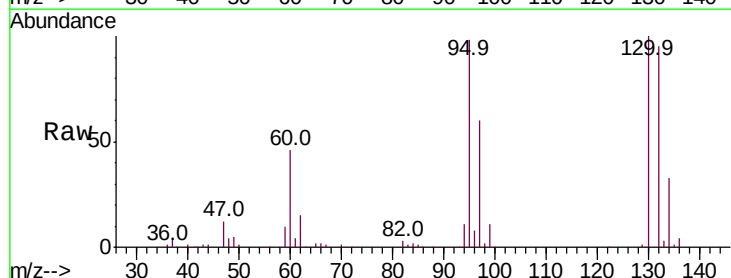
Instrument :
MSVOA_W
ClientSampleId :

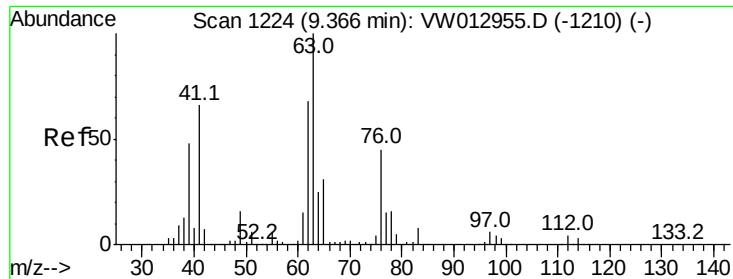
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	11.3	9.4	14.2



#44
Trichloroethene
Concen: 19.303 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	204.4

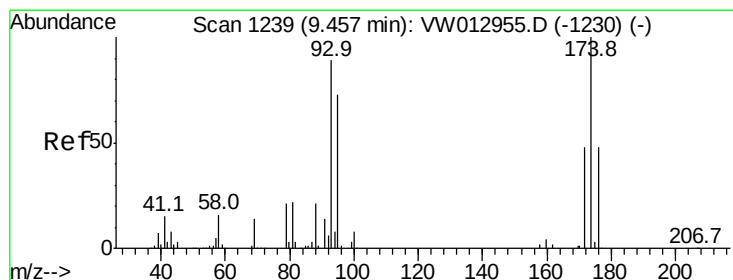
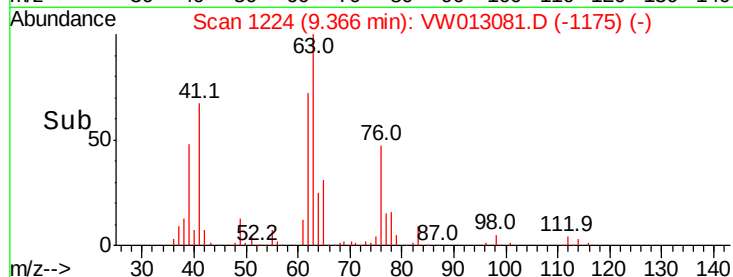
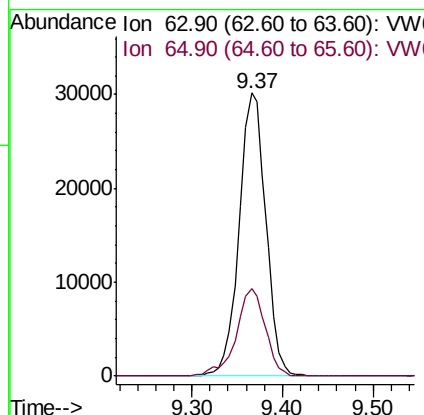
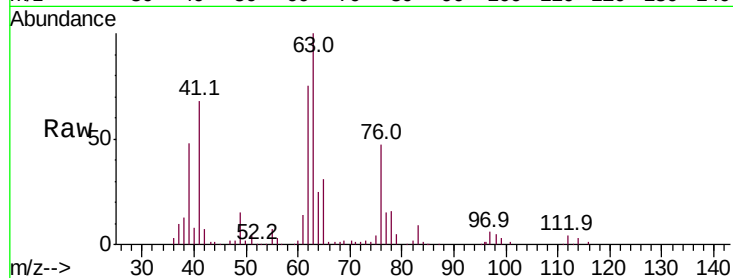




#45
 1,2-Dichloropropane
 Concen: 19.911 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

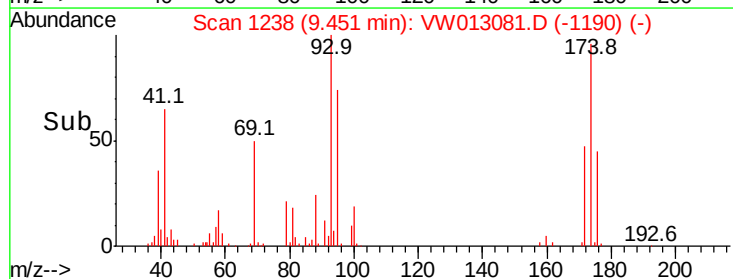
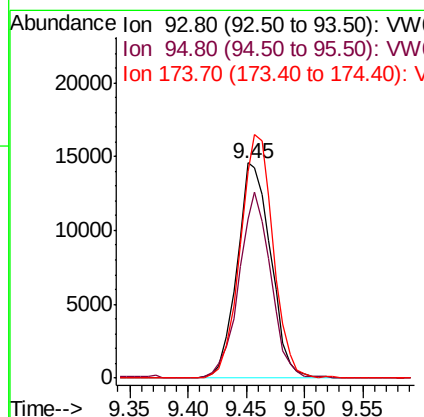
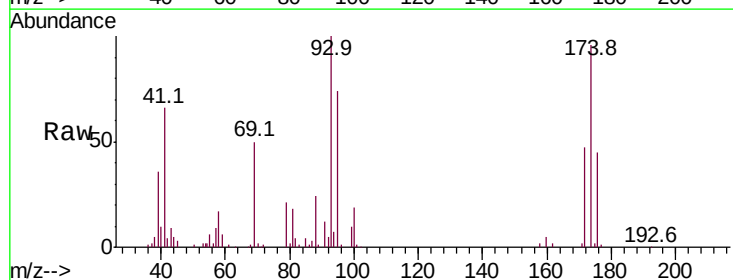
Instrument :
 MSVOA_W
 ClientSampled :

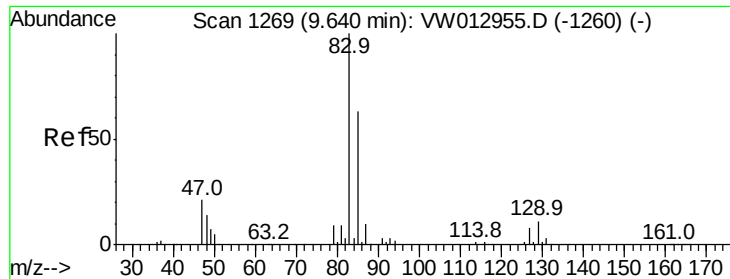
Tot Ion: 63 Resp: 61423
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 19.884 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 93 Resp: 29388
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.0 100.4
 174 110.4 90.5 135.7





#47

Bromodichloromethane

Concen: 19.076 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

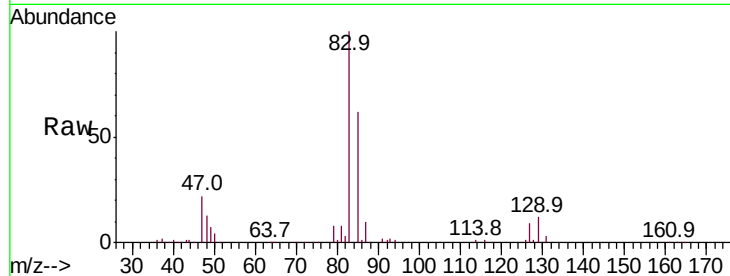
Tot Ion: 83 Resp: 79084

Ion Ratio Lower Upper

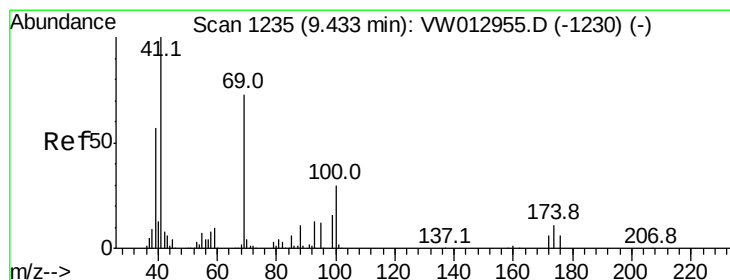
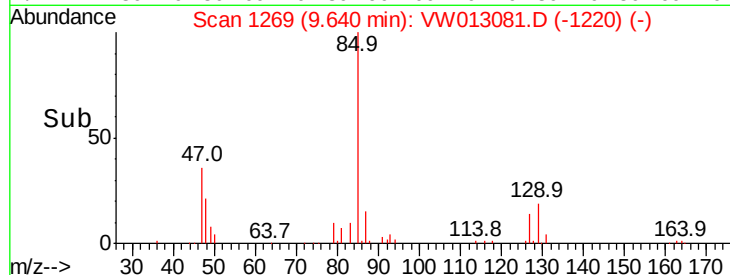
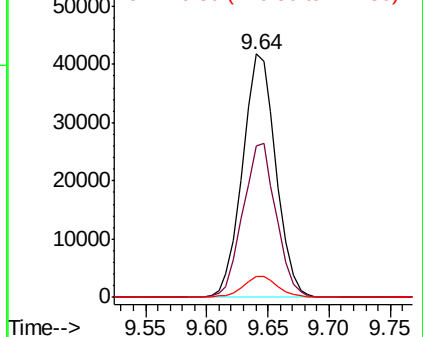
83 100

85 62.2 50.6 75.8

127 8.7 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: 19.239 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

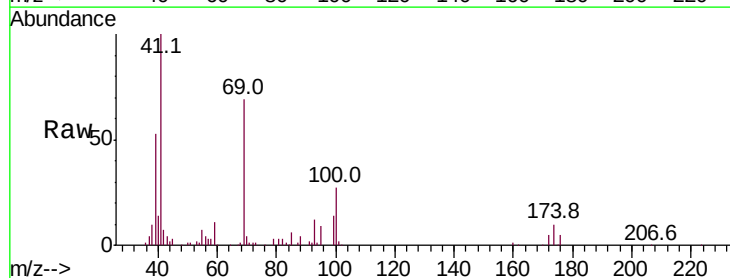
Tgt Ion: 41 Resp: 38273

Ion Ratio Lower Upper

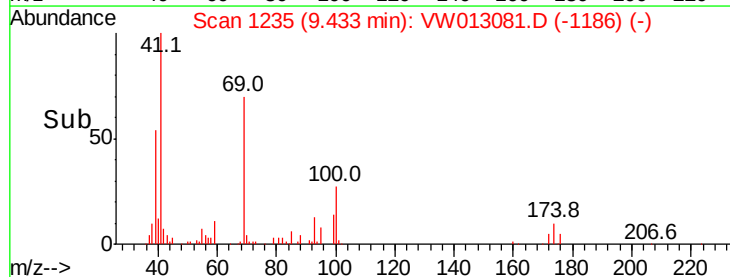
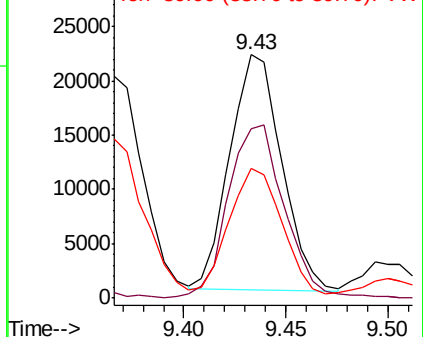
41 100

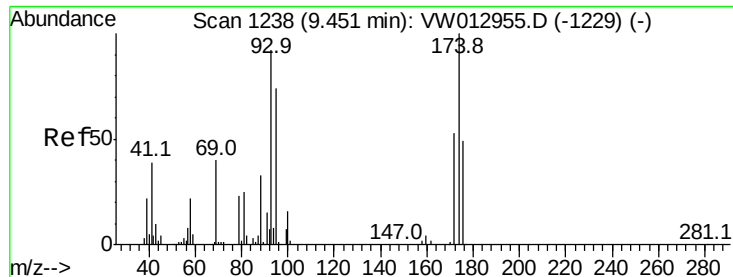
69 80.2 62.8 94.2

39 56.9 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

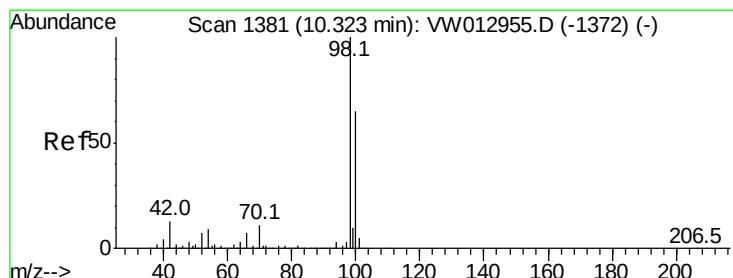
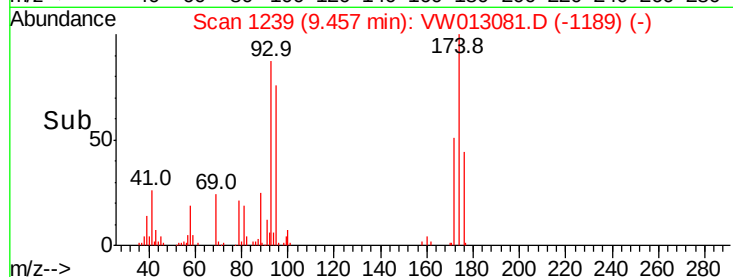
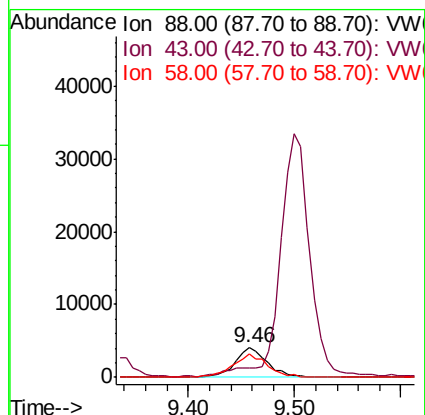
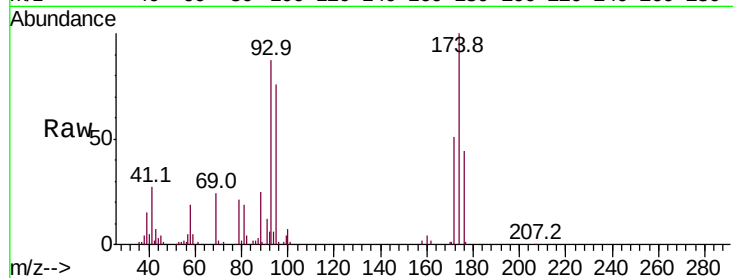




#49
1,4-Dioxane
Concen: 350.935 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

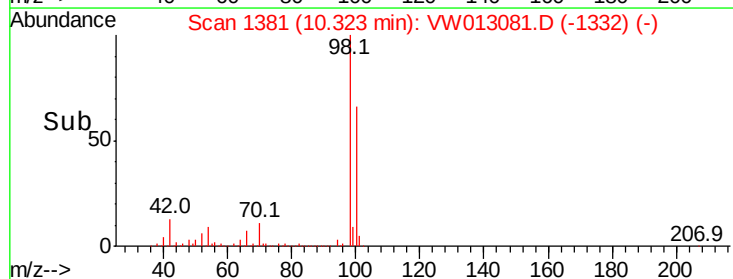
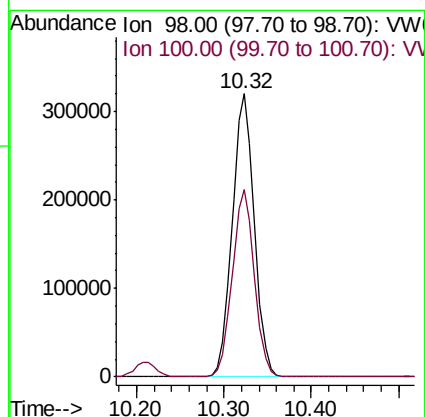
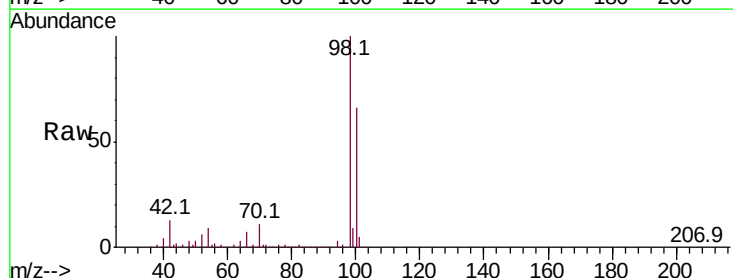
Instrument :
MSVOA_W
ClientSampled :

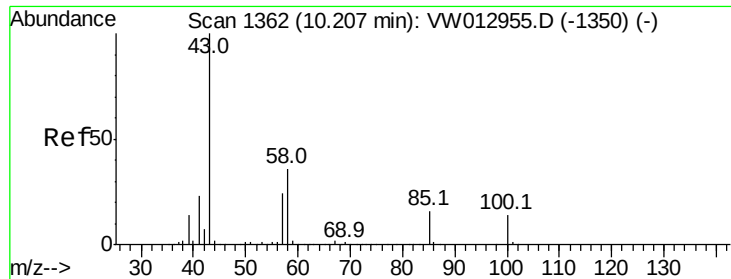
Tot Ion: 88 Resp: 8691
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 83.3 60.2 90.2



#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 98 Resp: 560172
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 97.099 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

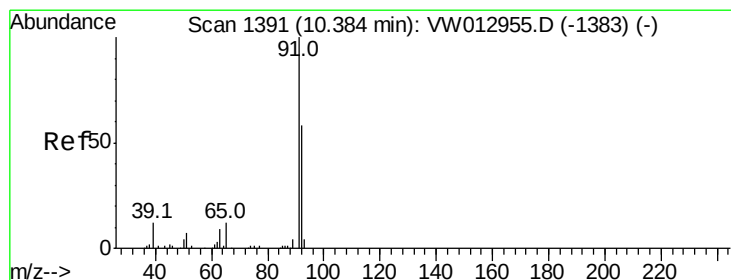
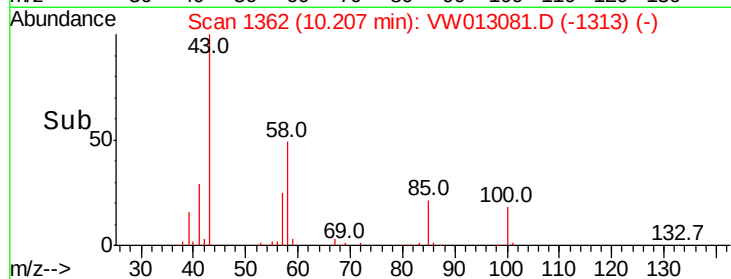
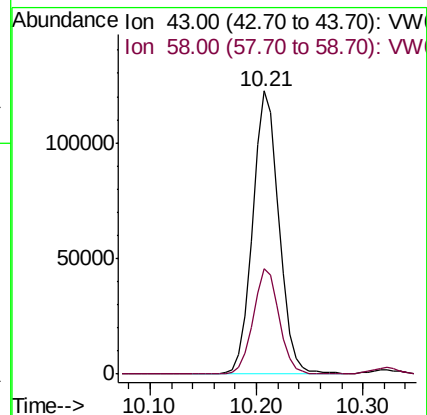
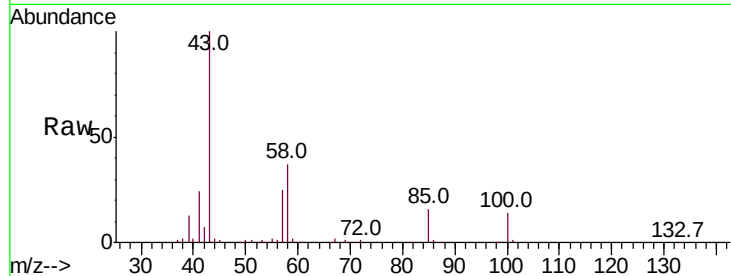
ClientSampleId :

Tot Ion: 43 Resp: 212490

Ion Ratio Lower Upper

43 100

58 36.8 29.5 44.3



#52

Toluene

Concen: 20.052 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013081.D

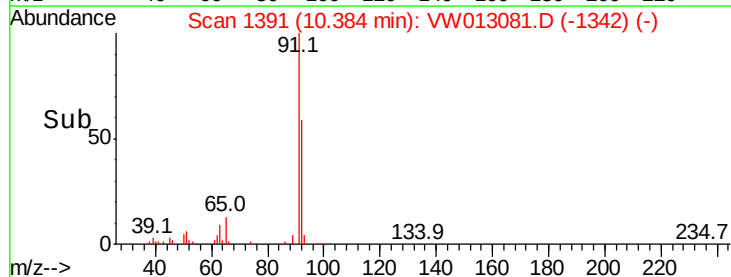
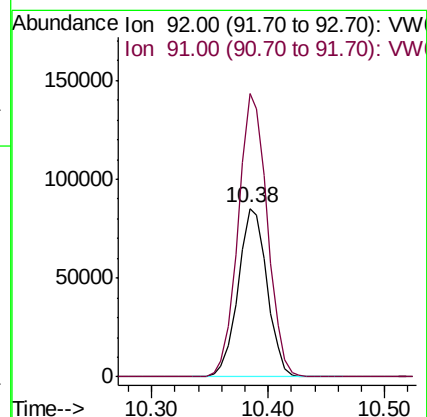
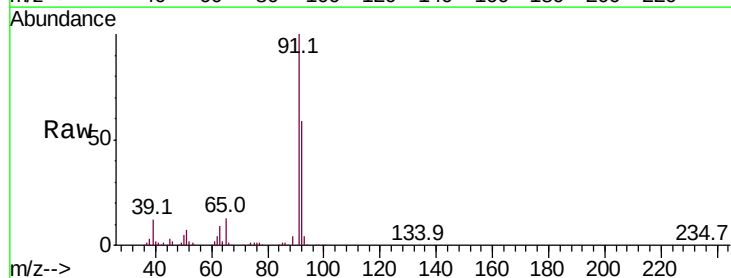
Acq: 17 Sep 2019 11:19

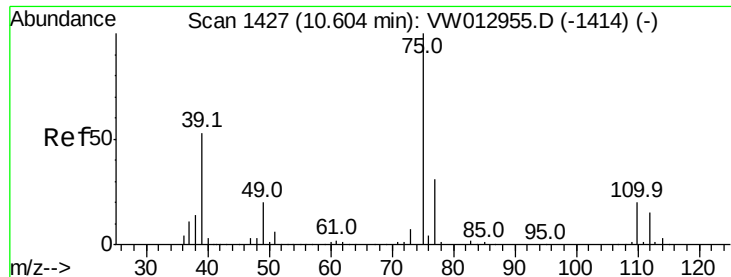
Tgt Ion: 92 Resp: 147948

Ion Ratio Lower Upper

92 100

91 169.2 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.750 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

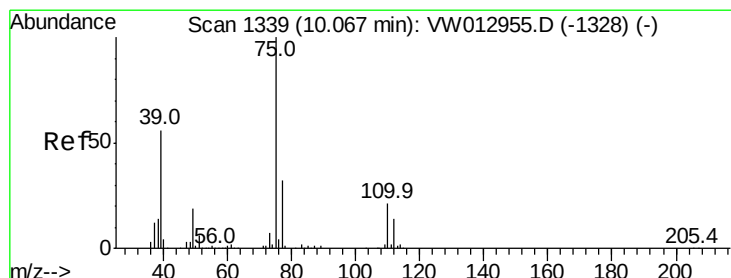
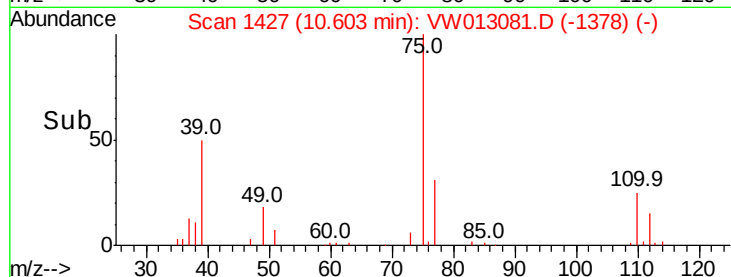
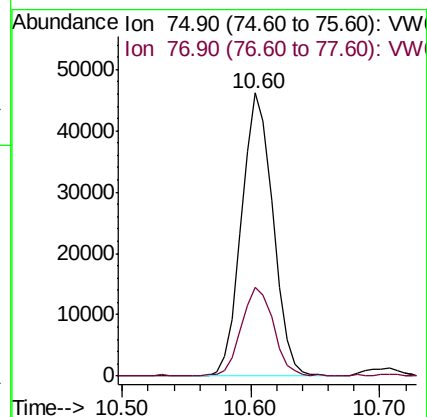
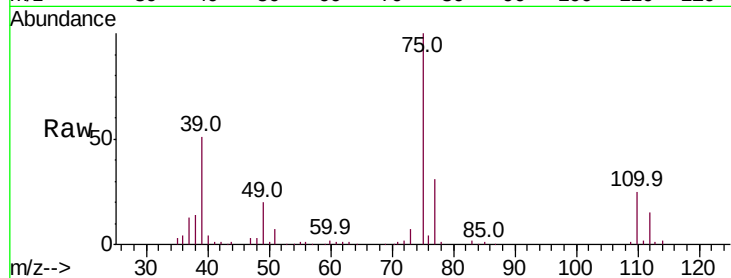
ClientSampleId :

Tot Ion: 75 Resp: 78177

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.288 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

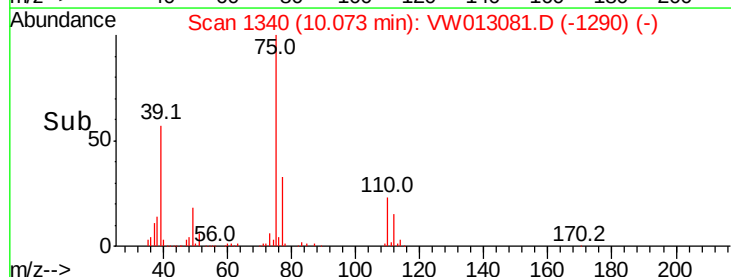
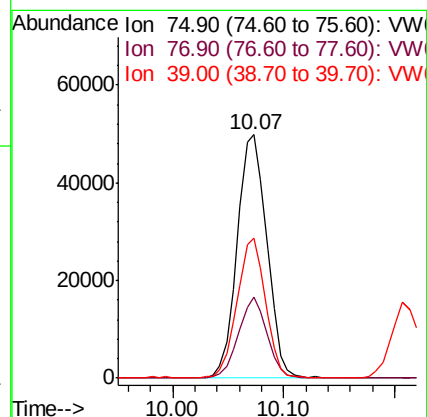
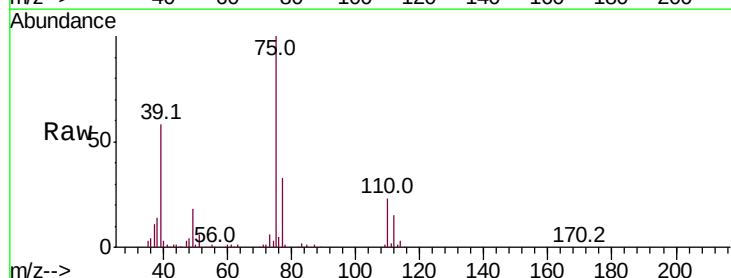
Tgt Ion: 75 Resp: 92014

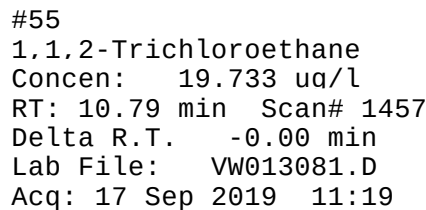
Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

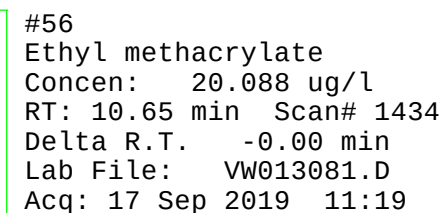
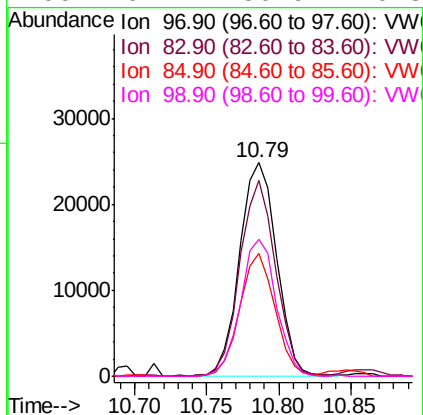
39 57.3 45.0 67.6



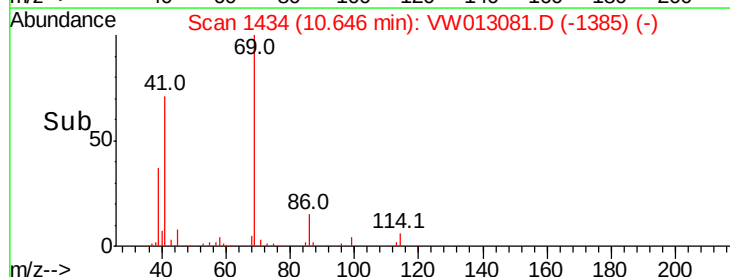
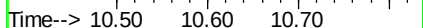
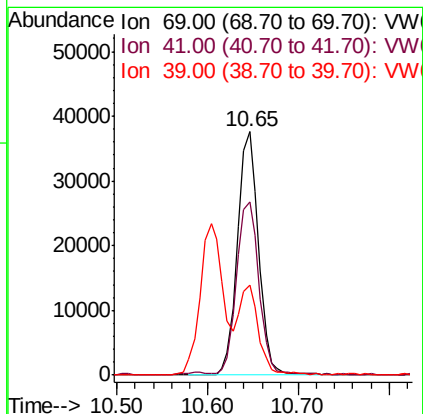


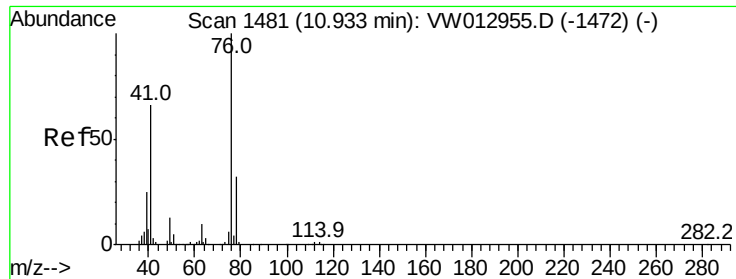
7 Instrument :
MSVOA_W
ClientSampleId :

Tat	Ion: 97	Resp:	44430
Ion	Ratio	Lower	Upper
97	100		
83	91.8	69.4	104.0
85	57.7	43.3	64.9
99	64.1	50.9	76.3



Tgt	Ion: 69	Resp:	60880
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	33.9	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.744 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

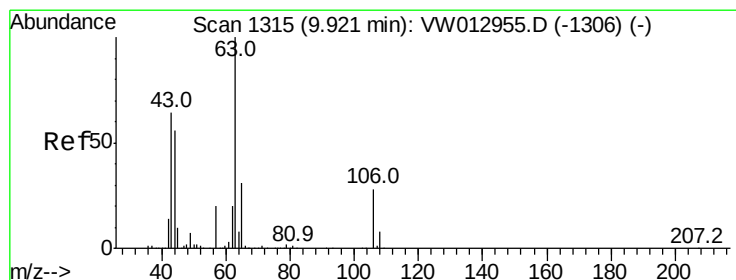
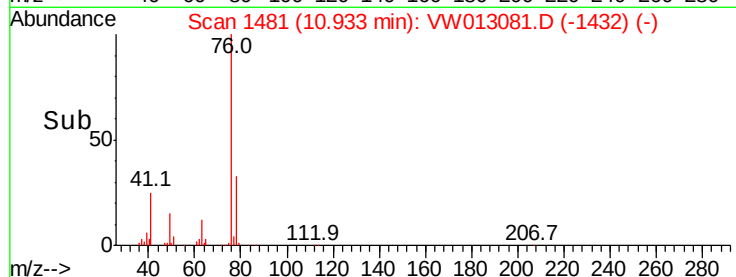
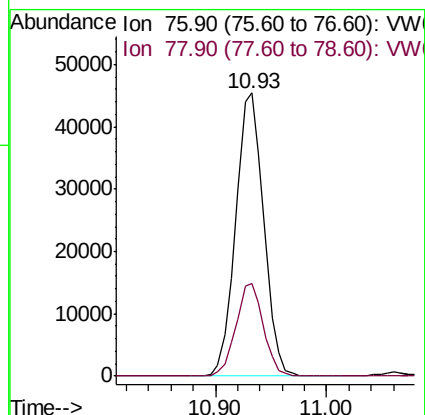
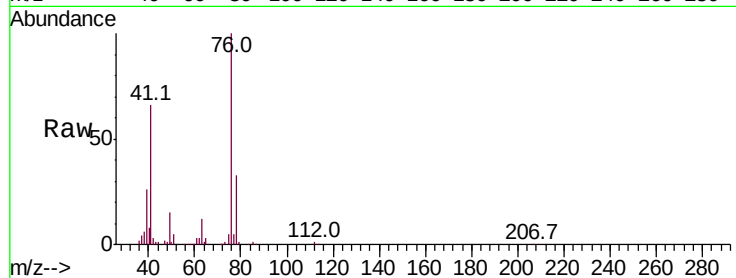
ClientSampled :

Tot Ion: 76 Resp: 78857

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 94.338 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013081.D

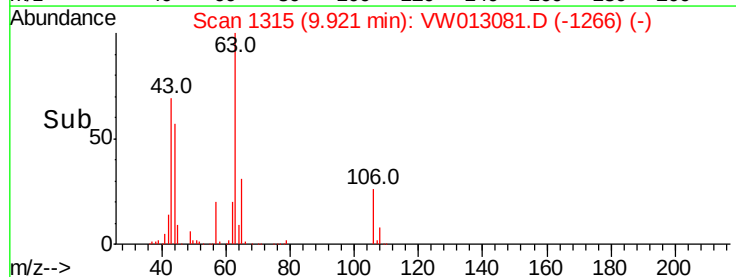
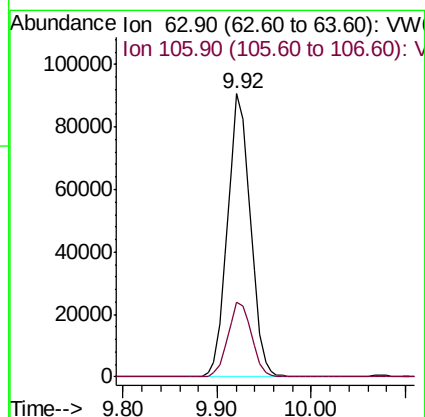
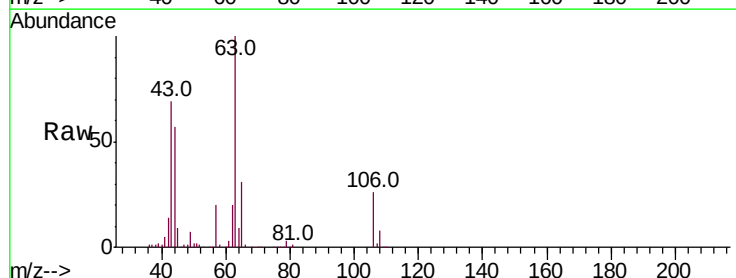
Acq: 17 Sep 2019 11:19

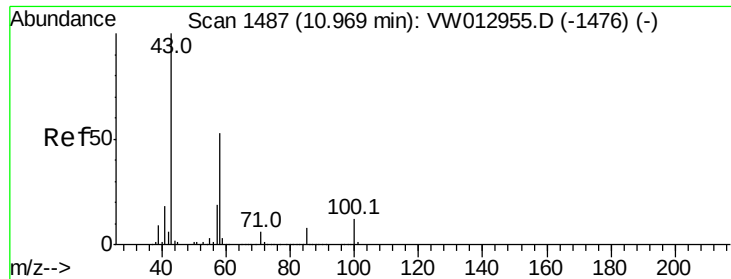
Tgt Ion: 63 Resp: 153367

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.2

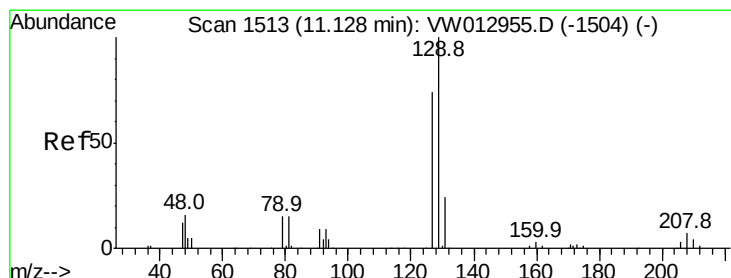
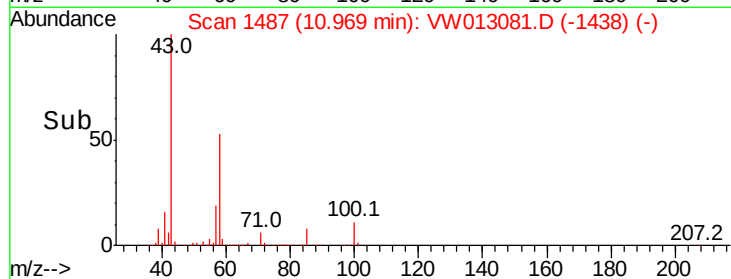
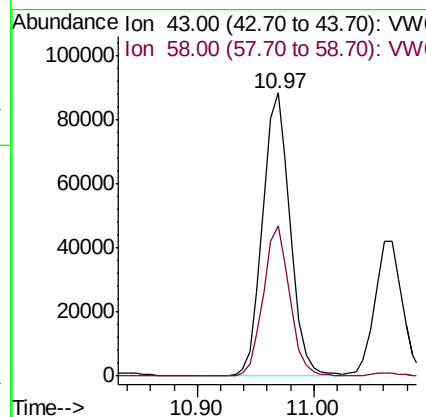
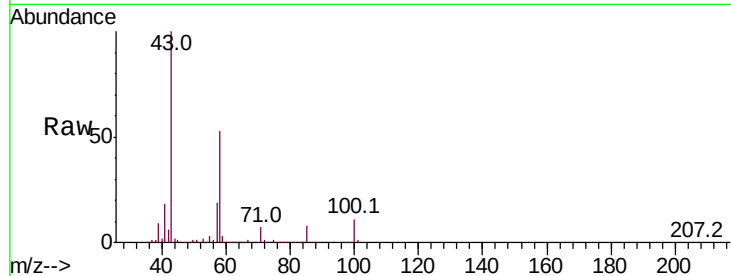




#59
2-Hexanone
Concen: 96.088 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

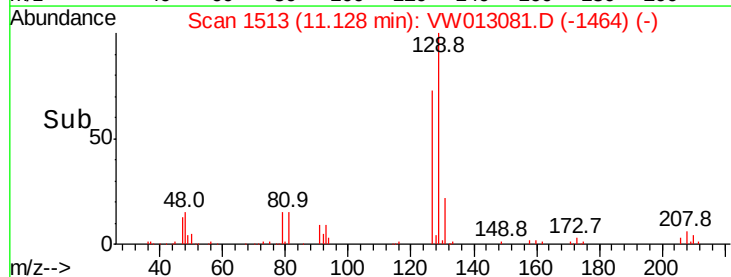
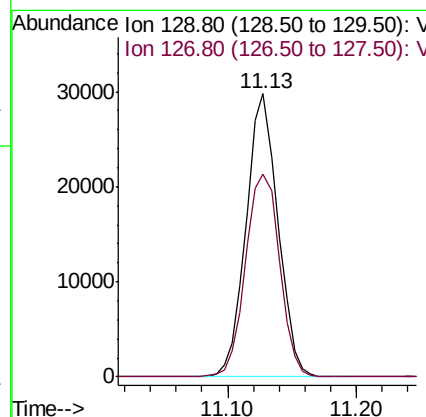
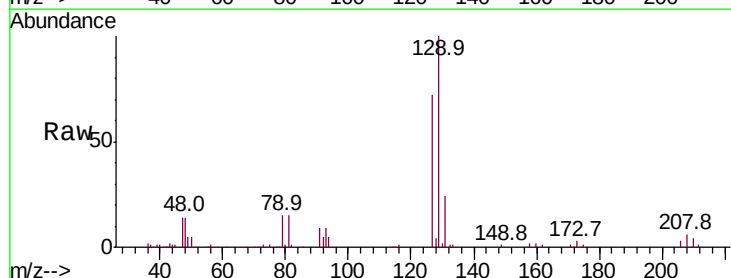
Instrument :
MSVOA_W
ClientSampleId :

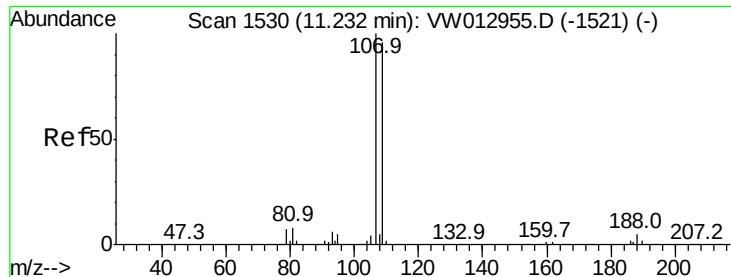
Tot Ion: 43 Resp: 146418
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.3



#60
Dibromochloromethane
Concen: 18.656 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 129 Resp: 50783
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.2

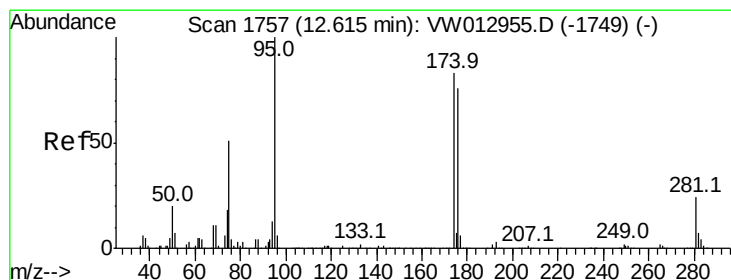
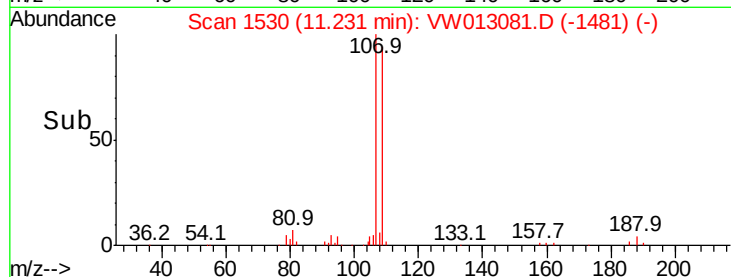
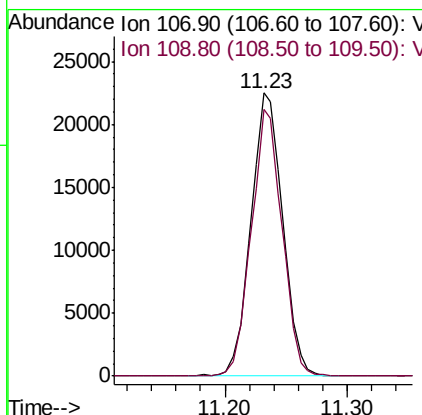
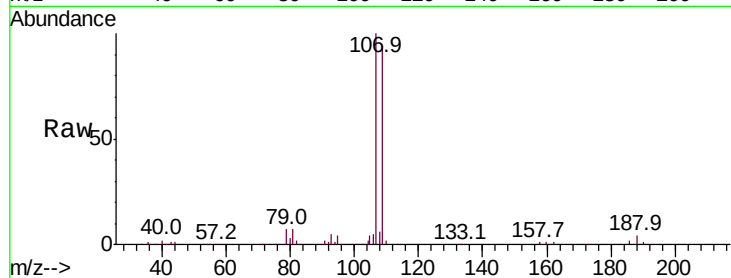




#61
 1,2-Dibromoethane
 Concen: 19.786 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

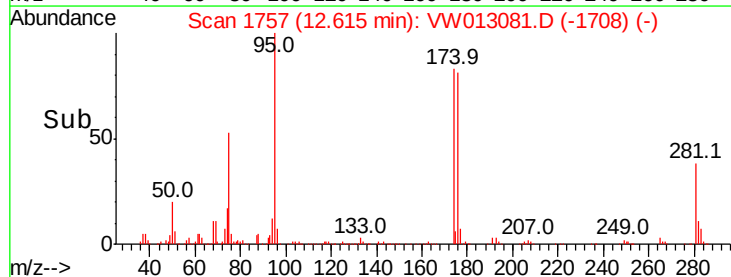
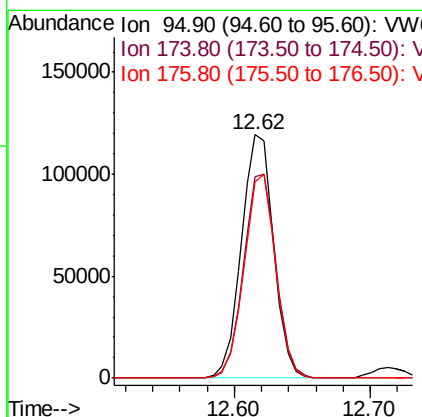
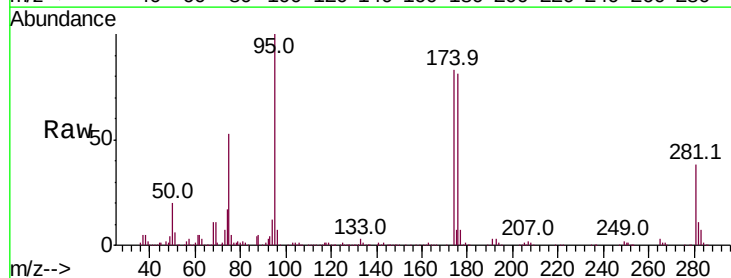
Instrument :
 MSVOA_W
 ClientSampled :

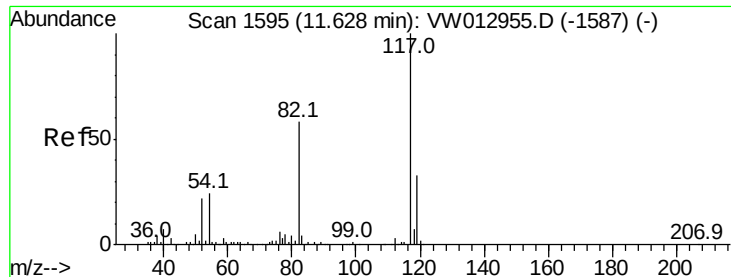
Tot Ion:107 Resp: 40639
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.647 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 95 Resp: 197294
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 170.4
 176 82.2 0.0 164.6

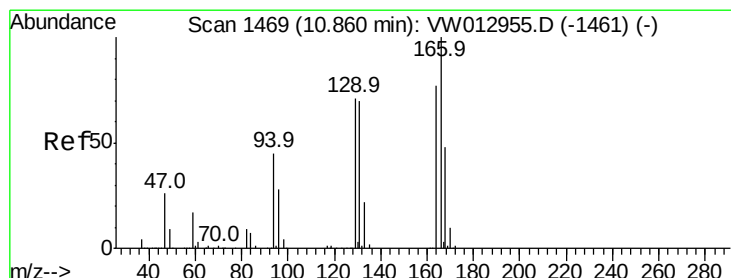
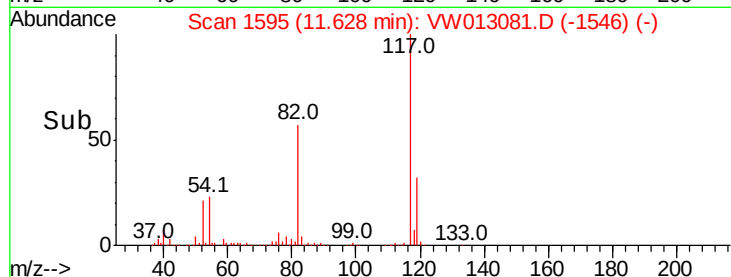
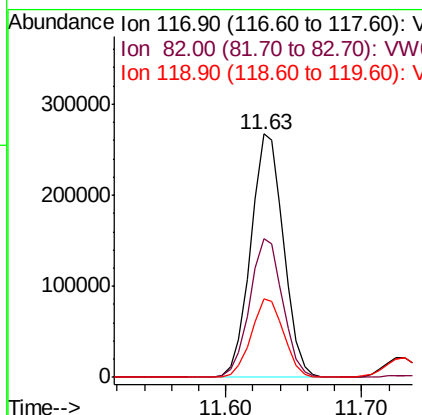
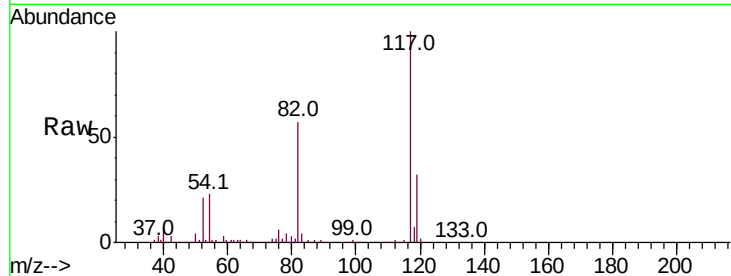




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

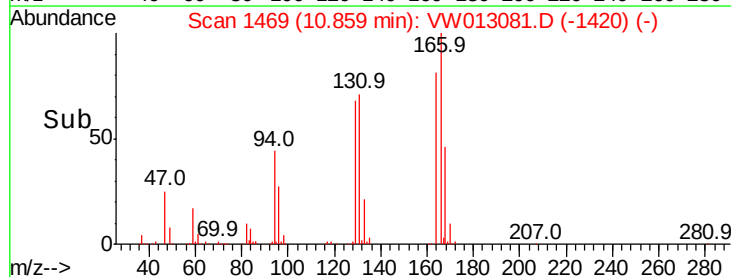
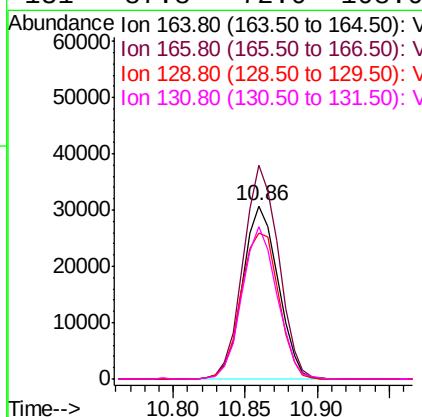
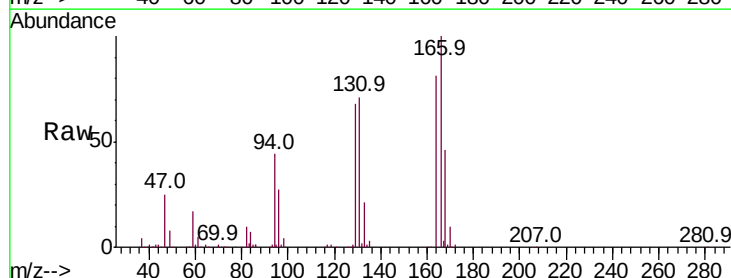
Instrument :
MSVOA_W
ClientSampleId :

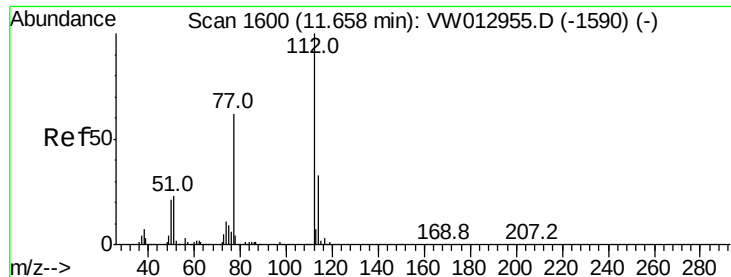
Tot Ion:117 Resp: 451841
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 19.492 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:164 Resp: 52394
Ion Ratio Lower Upper
164 100
166 123.2 103.3 154.9
129 84.0 73.8 110.8
131 87.8 72.0 108.0





#65

Chlorobenzene

Concen: 19.663 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

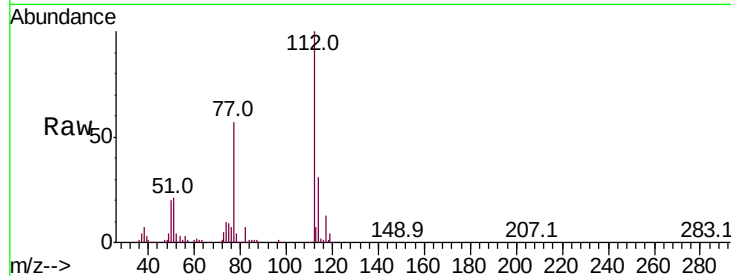
ClientSampleId :

Tot Ion:112 Resp: 158258

Ion Ratio Lower Upper

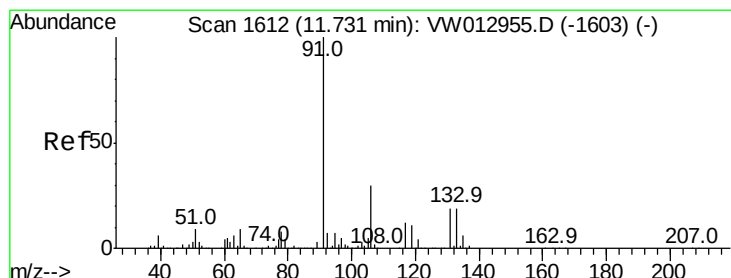
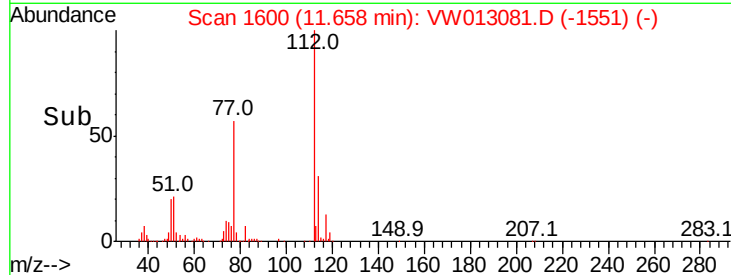
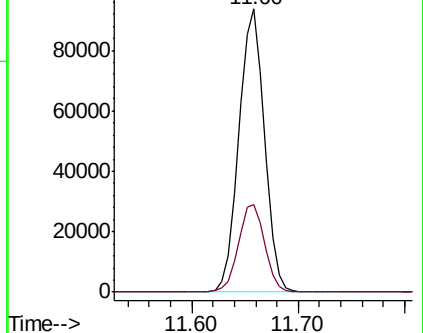
112 100

114 31.1 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: 18.319 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

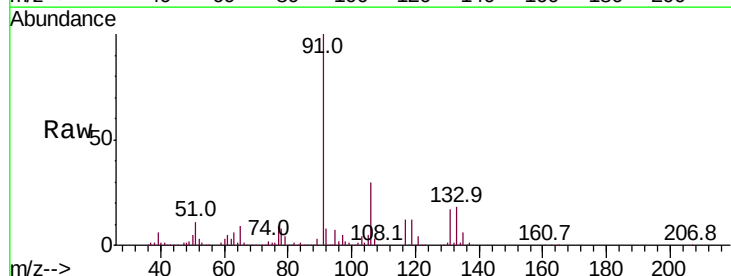
Tgt Ion:131 Resp: 56502

Ion Ratio Lower Upper

131 100

133 98.0 47.9 143.8

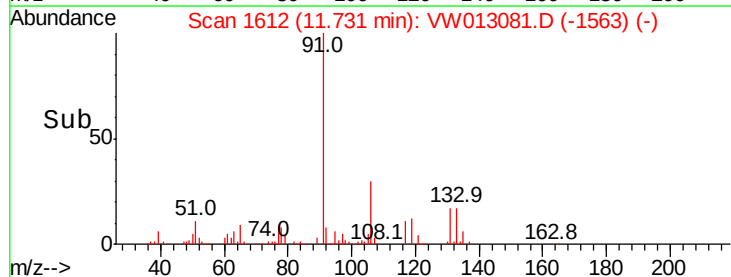
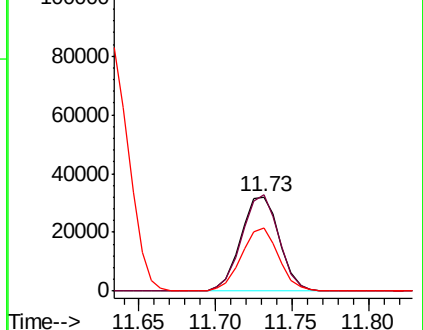
119 64.4 30.9 92.7

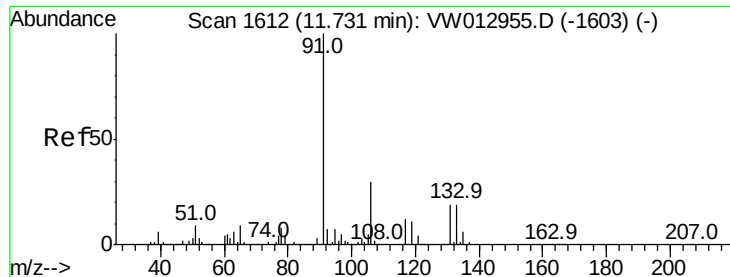


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

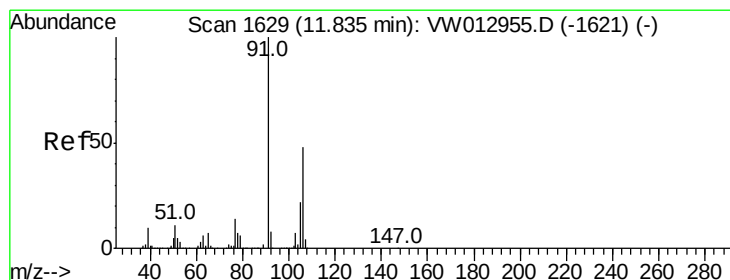
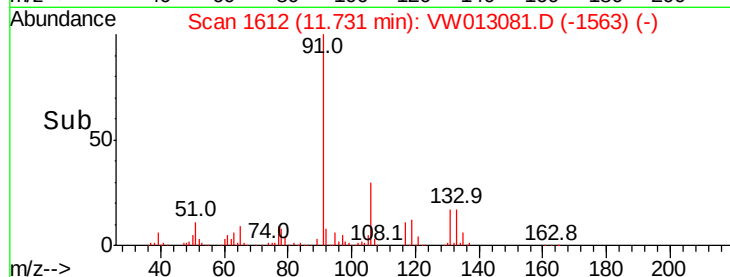
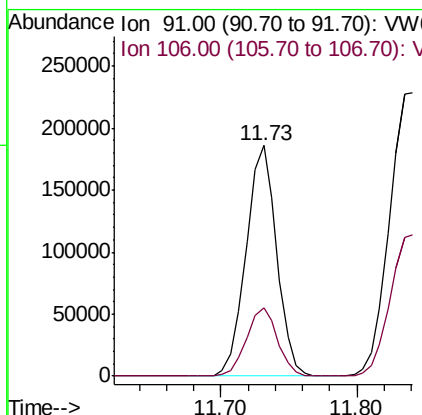
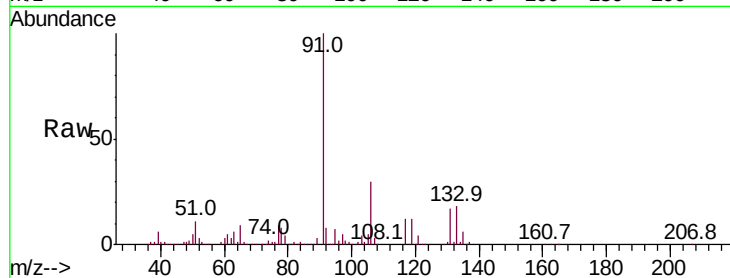




#67
Ethyl Benzene
Concen: 19.731 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

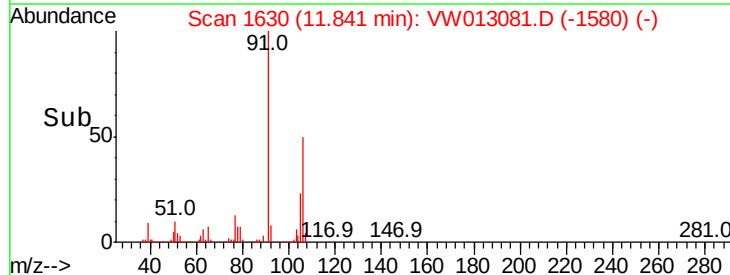
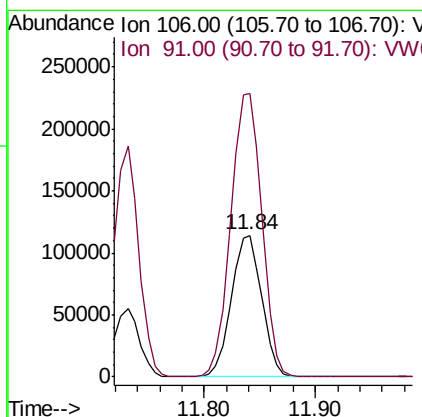
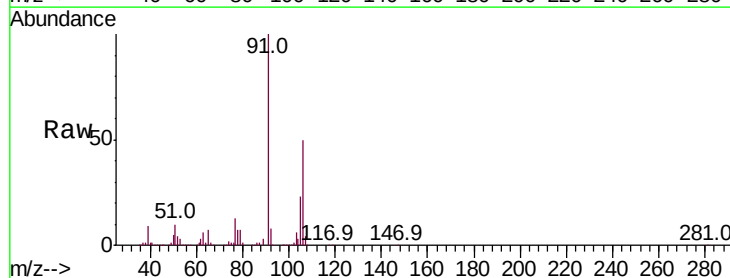
Instrument :
MSVOA_W
ClientSampled :

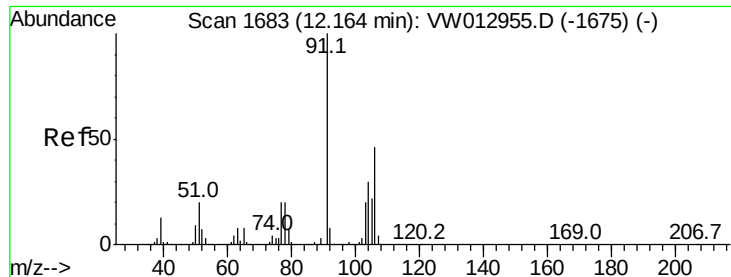
Tot Ion: 91 Resp: 293284
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 39.608 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:106 Resp: 215078
Ion Ratio Lower Upper
106 100
91 203.9 165.8 248.8

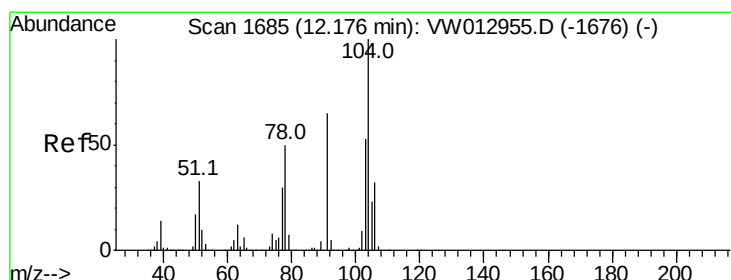
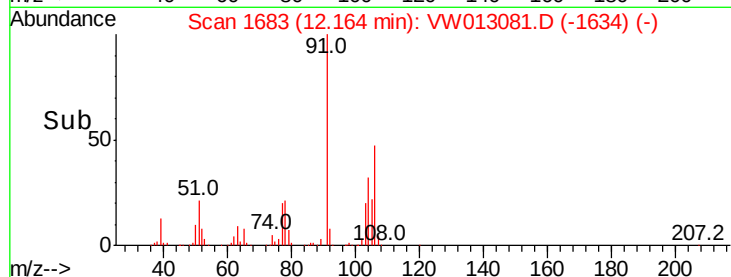
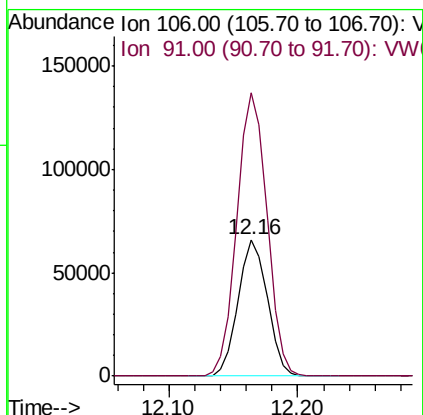
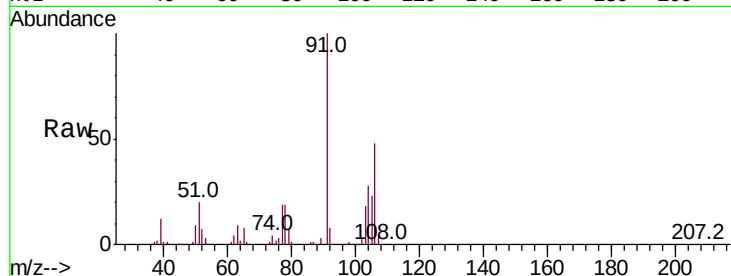




#69
o-Xylene
Concen: 20.387 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

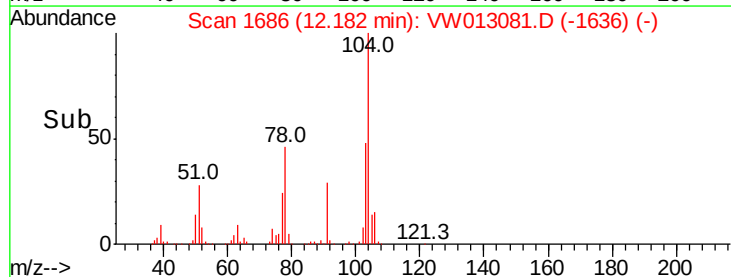
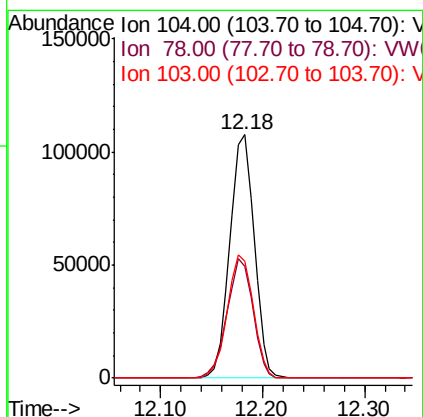
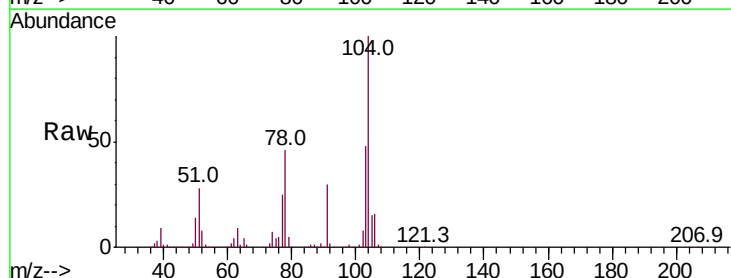
Instrument :
MSVOA_W
ClientSampled :

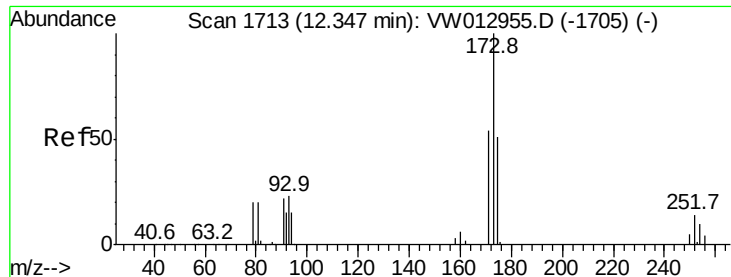
Tot Ion:106 Resp: 103788
Ion Ratio Lower Upper
106 100
91 214.3 109.7 329.0



#70
Styrene
Concen: 19.685 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:104 Resp: 178266
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 53.7 44.2 66.4





#71

Bromoform

Concen: 18.759 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

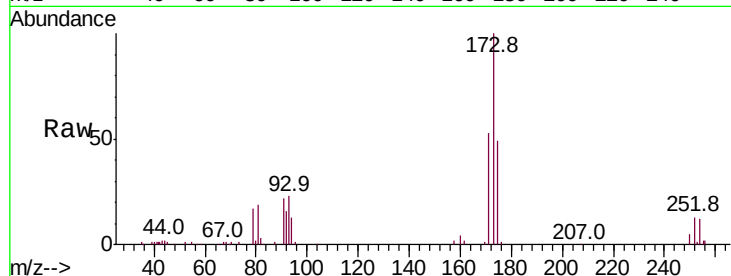
Tot Ion:173 Resp: 30391

Ion Ratio Lower Upper

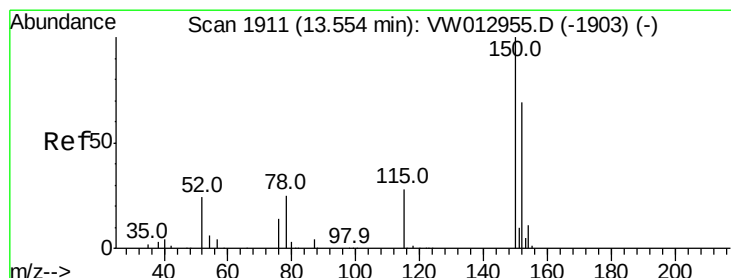
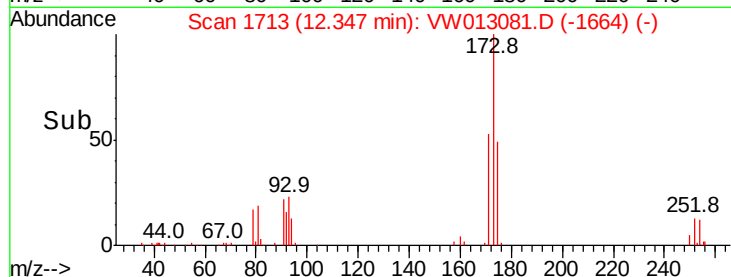
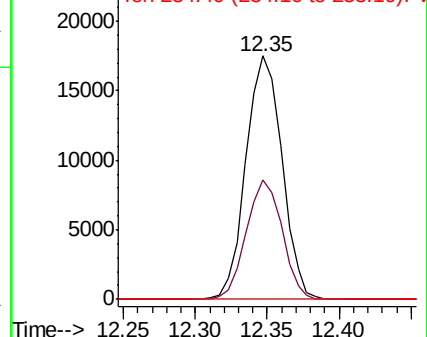
173 100

175 48.5 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: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

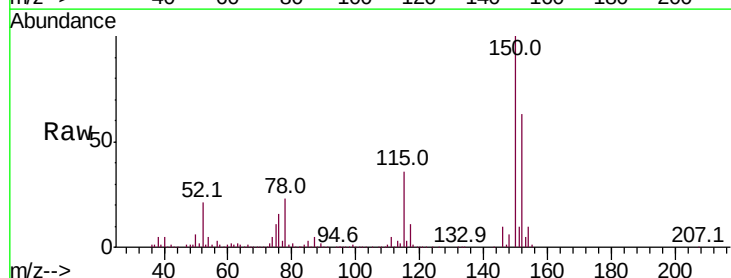
Tgt Ion:152 Resp: 226385

Ion Ratio Lower Upper

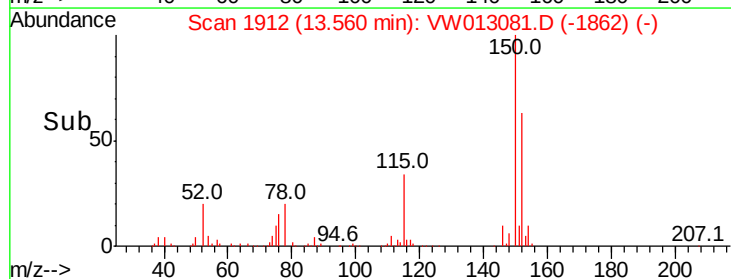
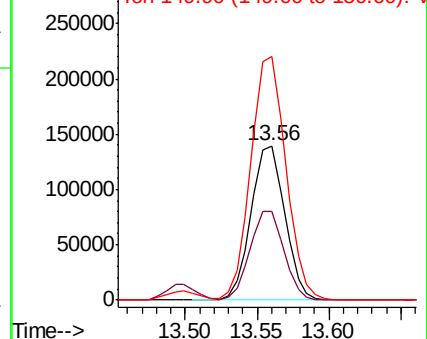
152 100

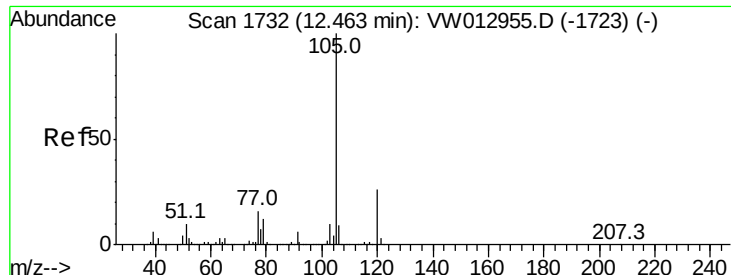
115 58.1 28.8 86.4

150 163.3 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: 19.534 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

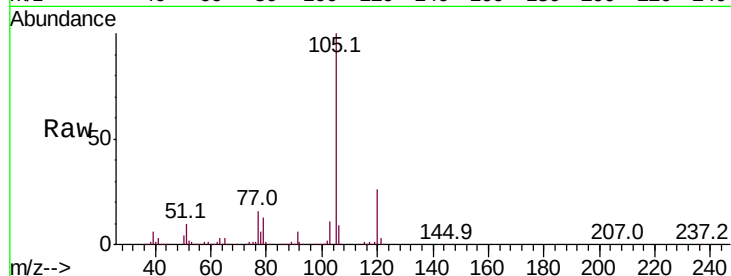
ClientSampleId :

Tot Ion:105 Resp: 293110

Ion Ratio Lower Upper

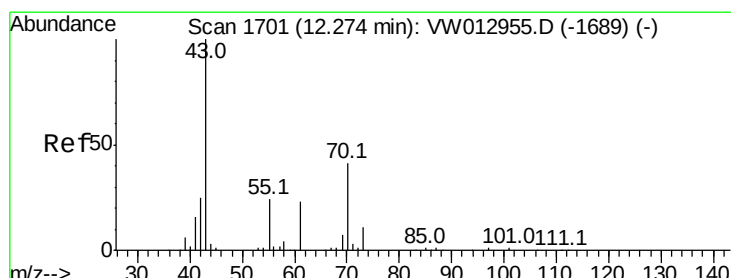
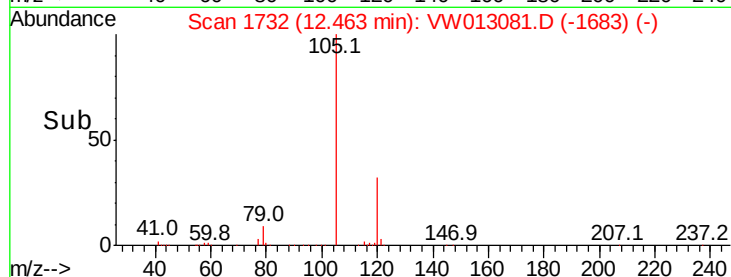
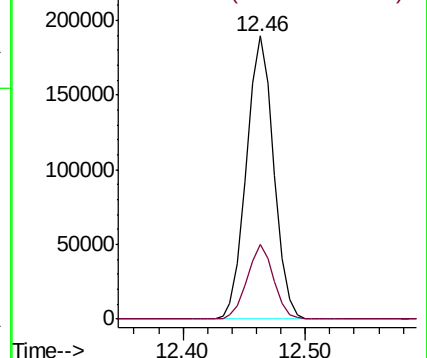
105 100

120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.140 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion: 43 Resp: 73881

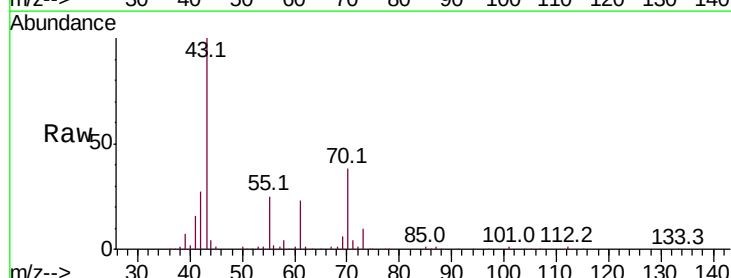
Ion Ratio Lower Upper

43 100

70 39.9 31.7 47.5

55 25.2 19.4 29.2

61 22.7 18.7 28.1

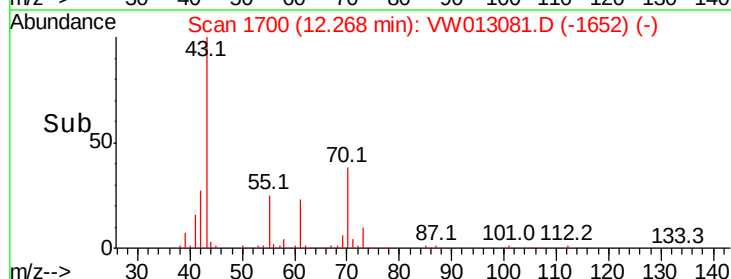
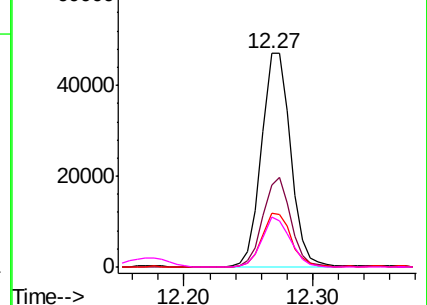


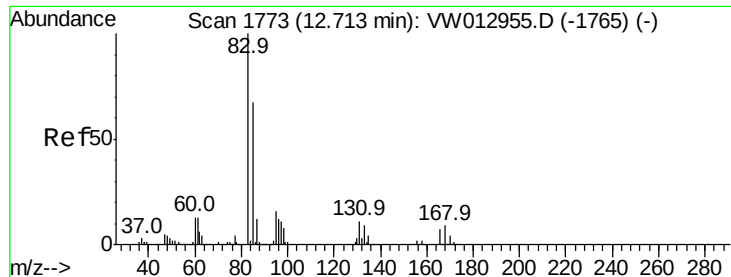
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.653 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

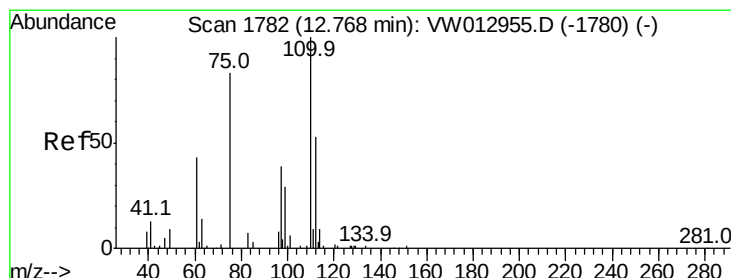
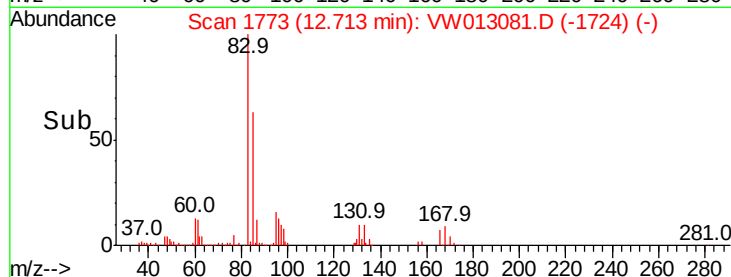
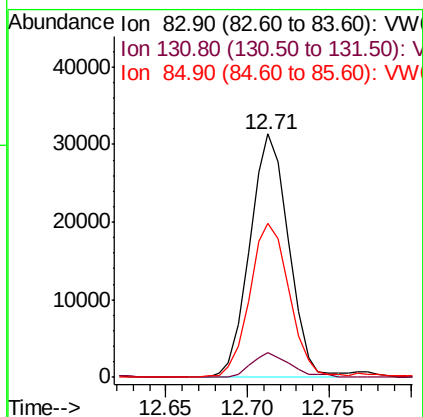
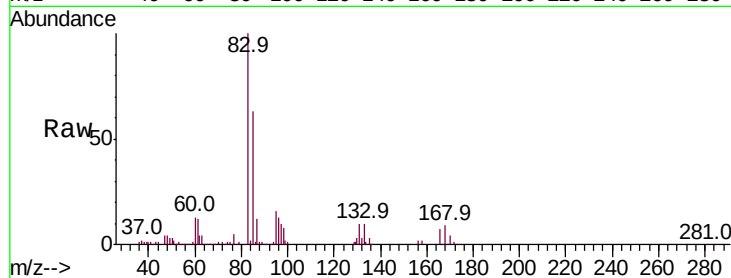
Tot Ion: 83 Resp: 51795

Ion Ratio Lower Upper

83 100

131 10.1 5.7 17.1

85 64.4 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 33.655 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013081.D

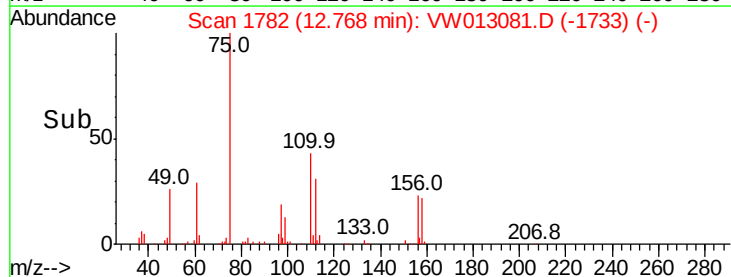
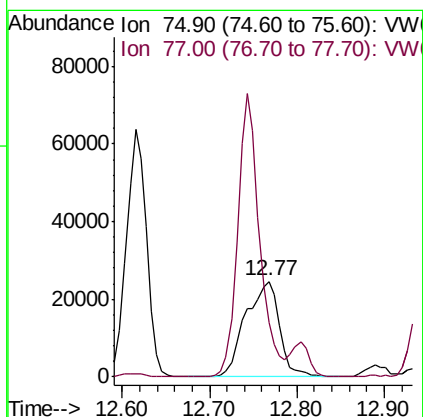
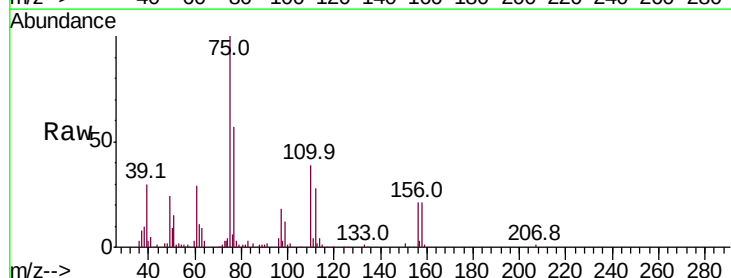
Acq: 17 Sep 2019 11:19

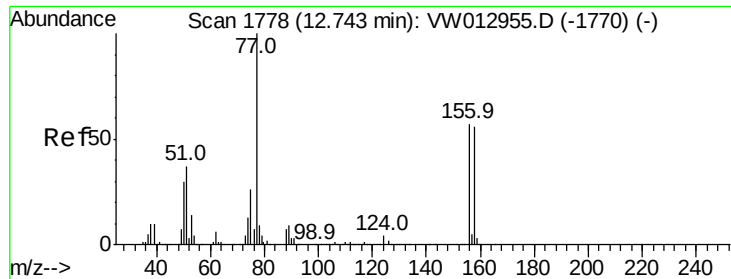
Tgt Ion: 75 Resp: 66736

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.197 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

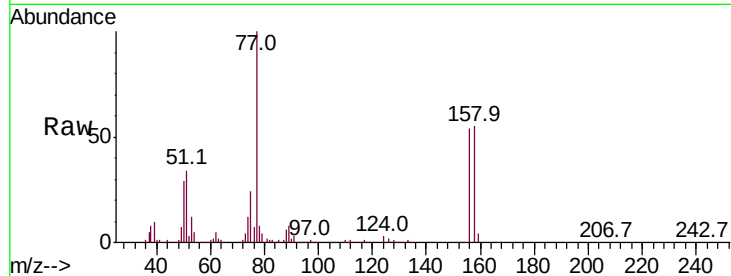
Tot Ion:156 Resp: 66360

Ion Ratio Lower Upper

156 100

77 192.7 95.2 285.6

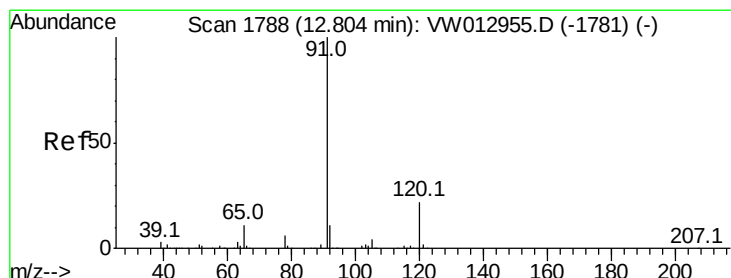
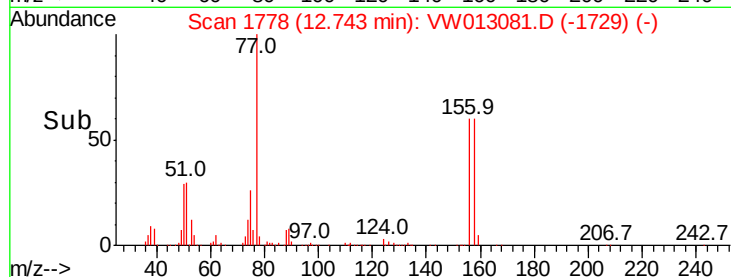
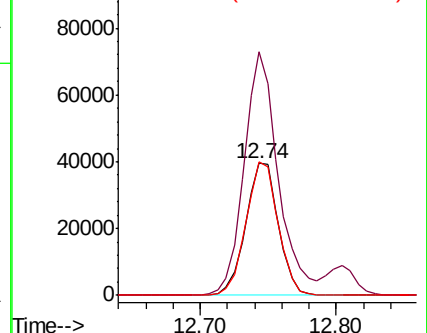
158 99.3 49.0 147.2



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: 19.342 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013081.D

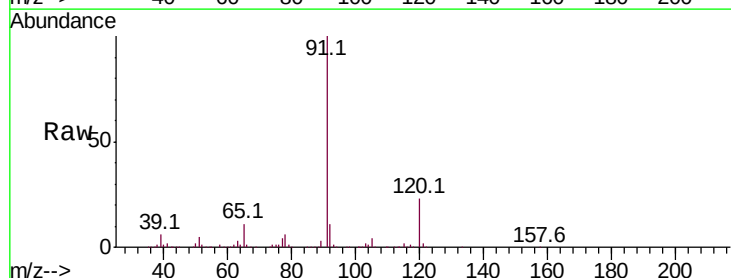
Acq: 17 Sep 2019 11:19

Tgt Ion: 91 Resp: 341401

Ion Ratio Lower Upper

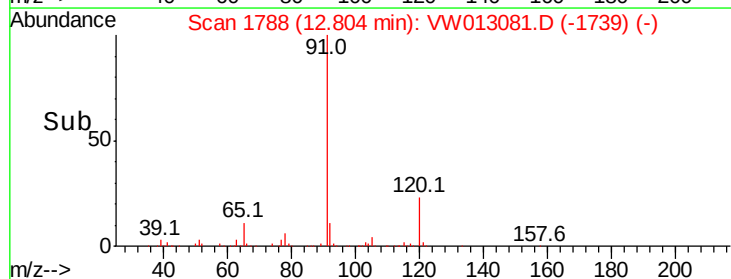
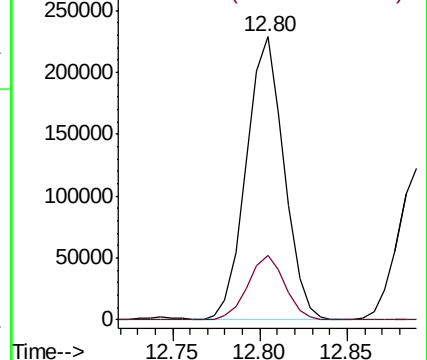
91 100

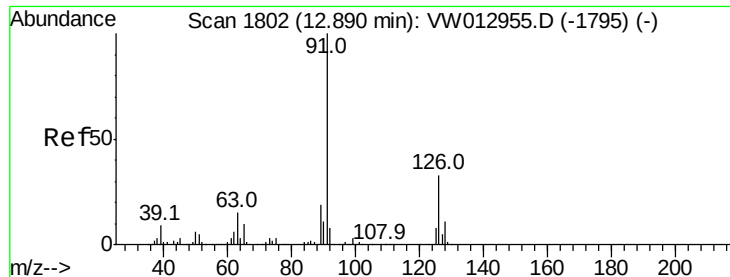
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

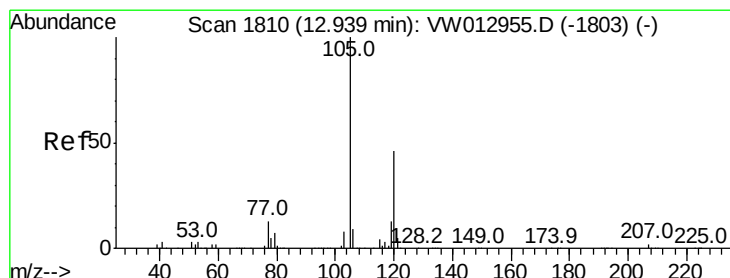
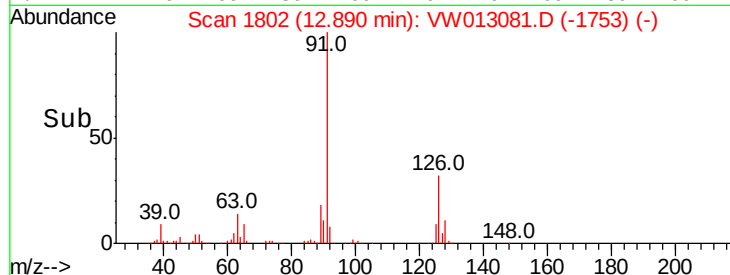
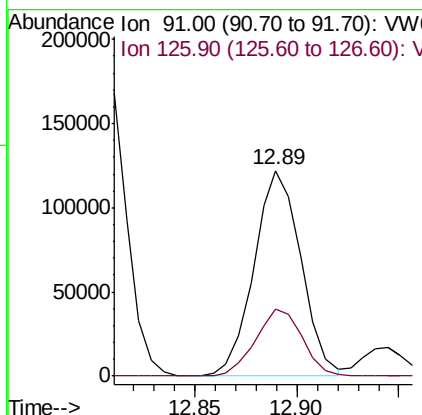
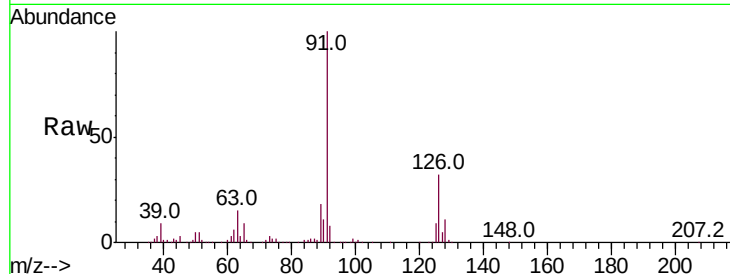




#79
 2-Chlorotoluene
 Concen: 19.189 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

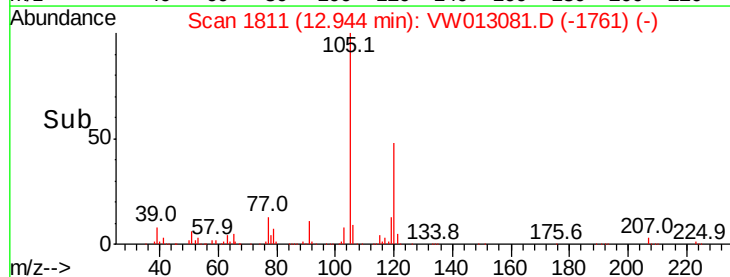
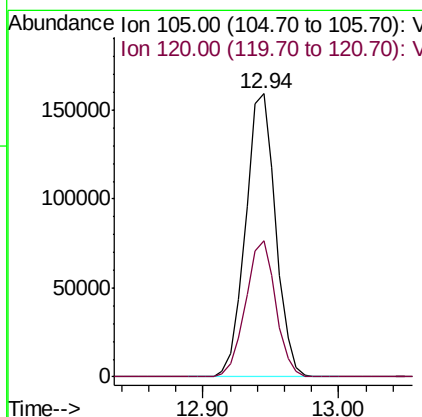
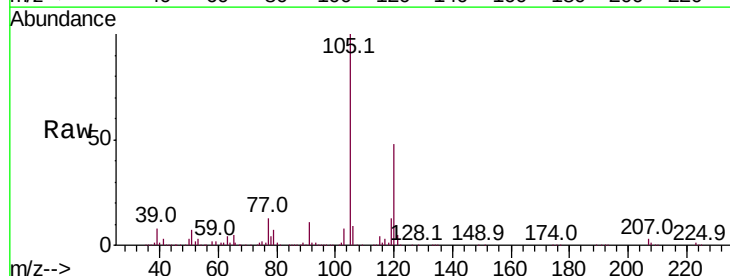
Instrument :
 MSVOA_W
 ClientSampleId :

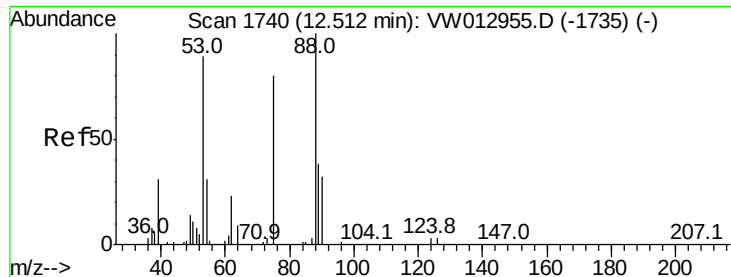
Tot Ion: 91 Resp: 194708
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.362 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion:105 Resp: 245798
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.2 72.6

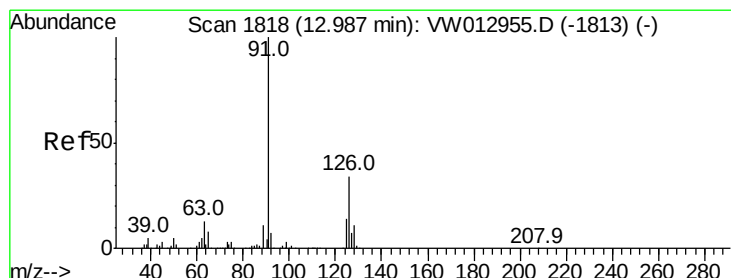
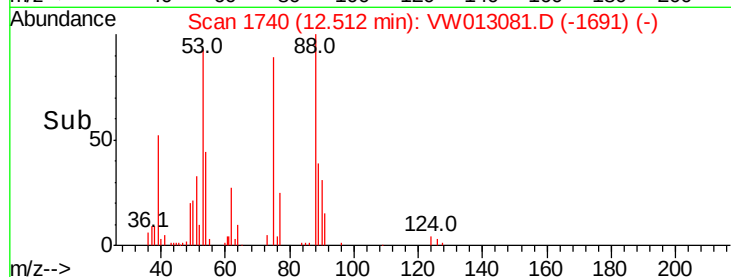
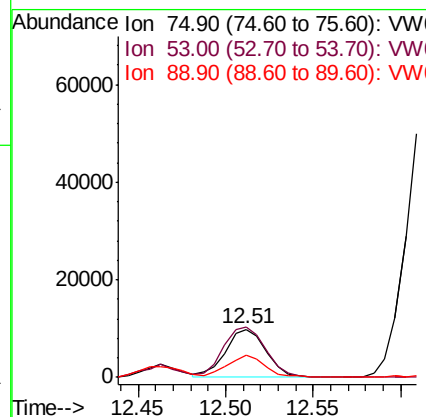
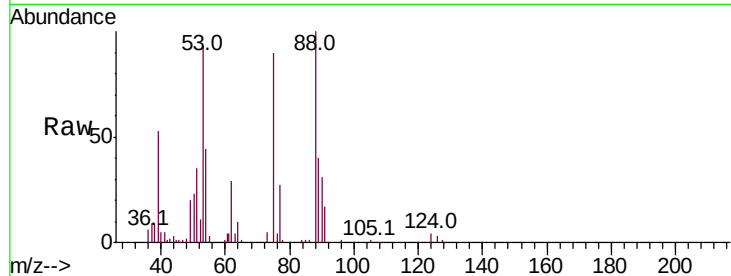




#81
trans-1,4-Dichloro-2-butene
Concen: 17.941 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

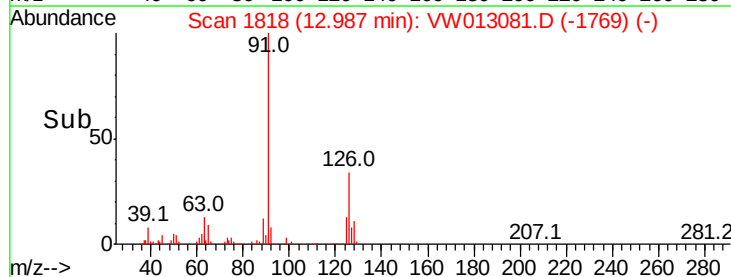
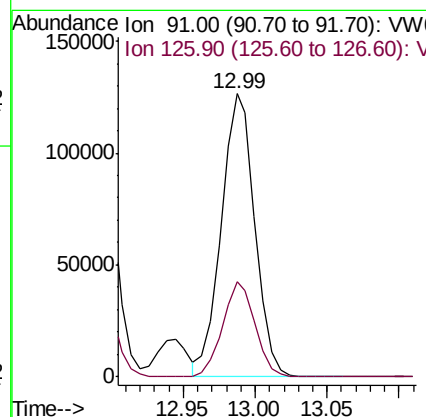
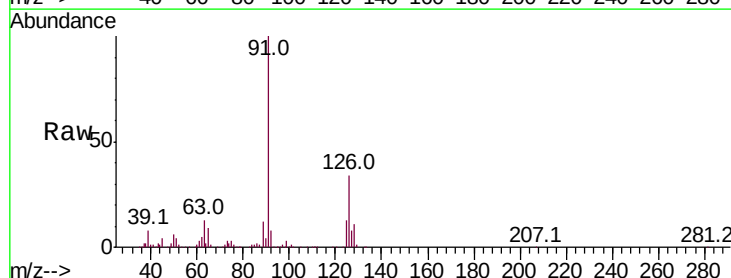
Instrument :
MSVOA_W
ClientSampleId :

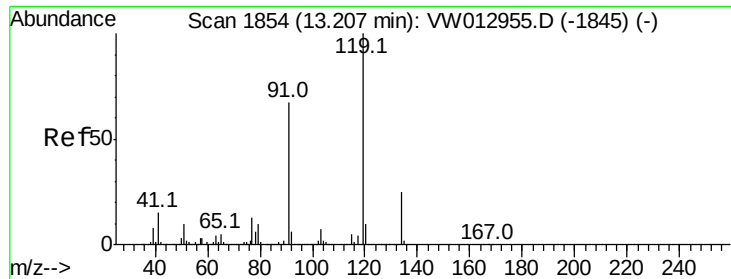
Tot Ion: 75 Resp: 15683
Ion Ratio Lower Upper
75 100
53 112.9 85.6 128.4
89 43.1 37.2 55.8



#82
4-Chlorotoluene
Concen: 19.133 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 91 Resp: 204833
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.3





#83

tert-Butylbenzene

Concen: 19.288 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

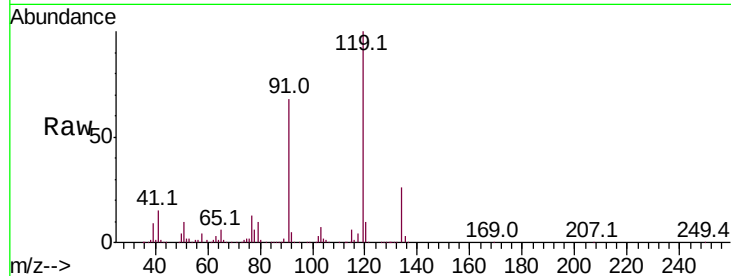
Tot Ion:119 Resp: 219009

Ion Ratio Lower Upper

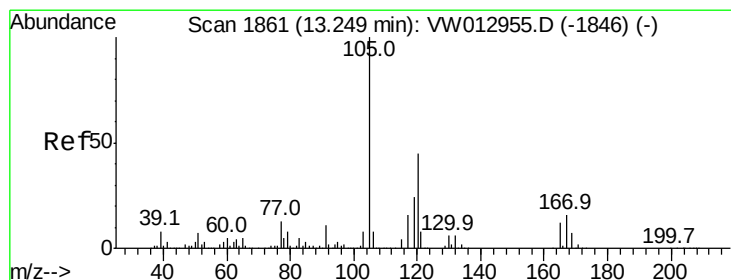
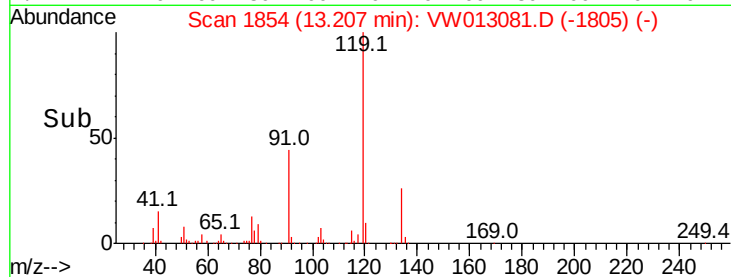
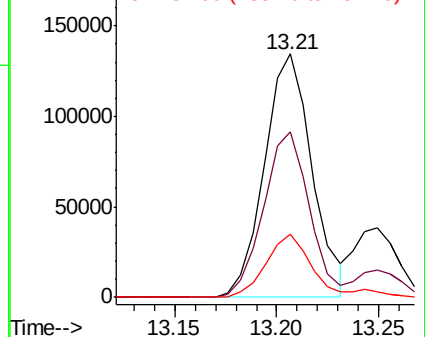
119 100

91 65.2 32.6 98.0

134 24.5 12.4 37.4



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



#84

1,2,4-Trimethylbenzene

Concen: 19.348 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013081.D

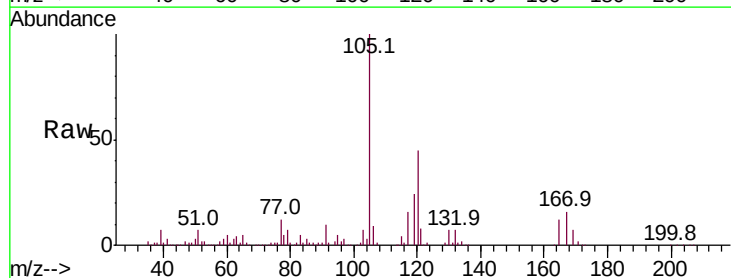
Acq: 17 Sep 2019 11:19

Tgt Ion:105 Resp: 242702

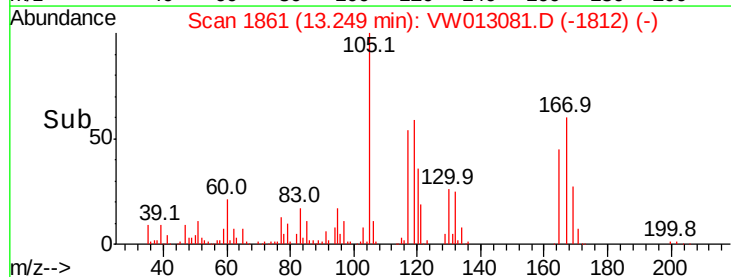
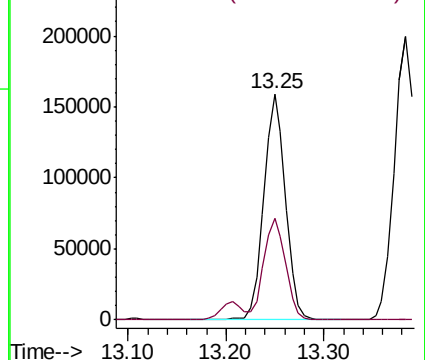
Ion Ratio Lower Upper

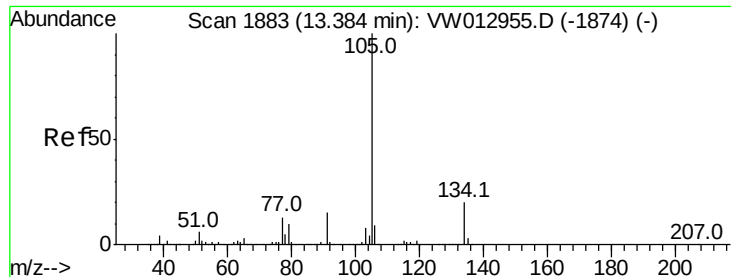
105 100

120 45.9 21.9 65.7



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

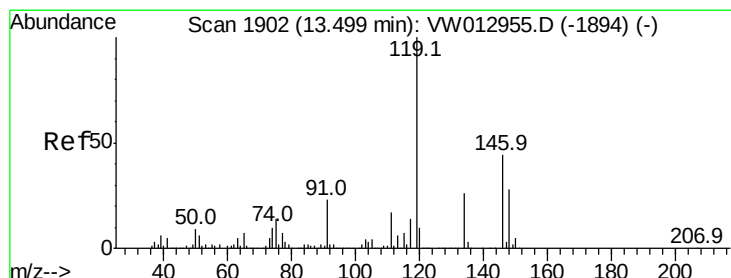
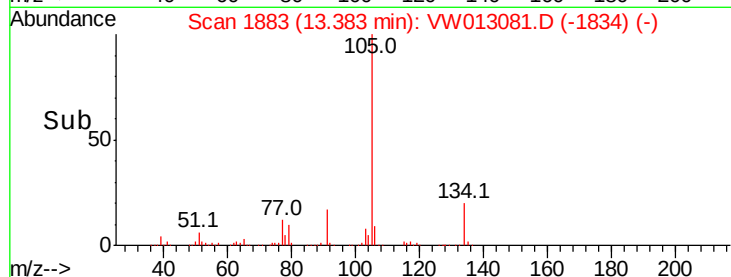
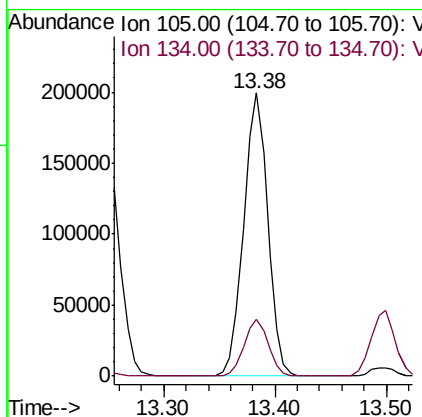
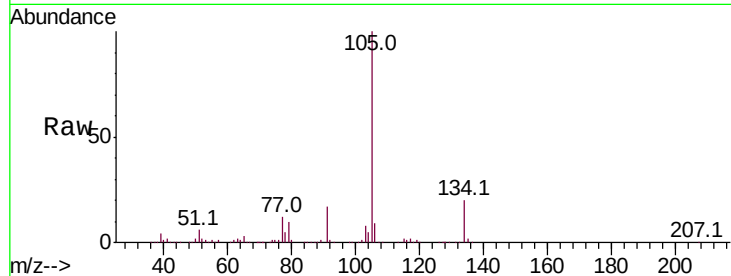




#85
 sec-Butylbenzene
 Concen: 19.353 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

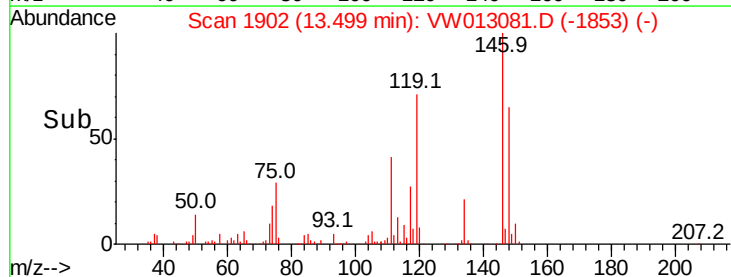
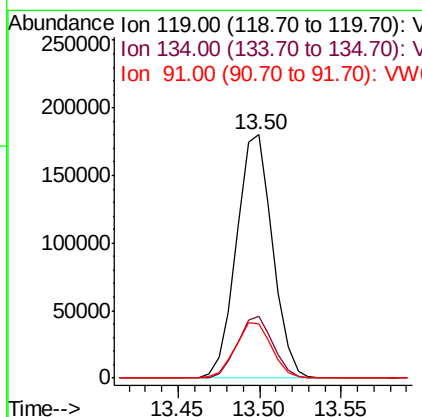
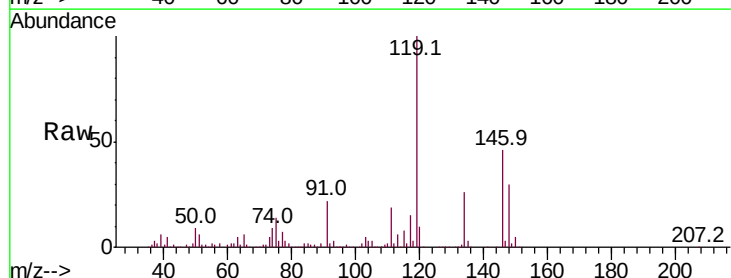
Instrument :
 MSVOA_W
 ClientSampled :

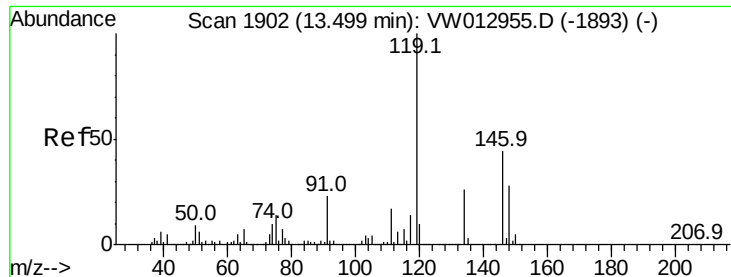
Tot Ion:105 Resp: 299402
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.523 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion:119 Resp: 277296
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 23.1 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.071 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

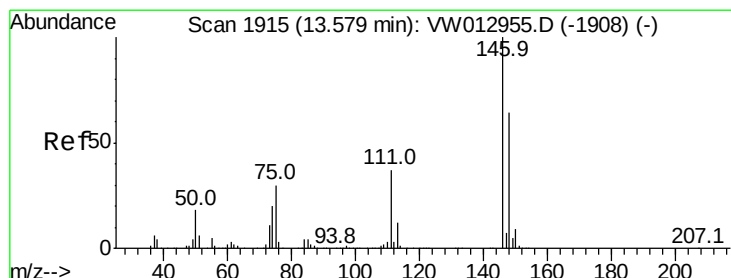
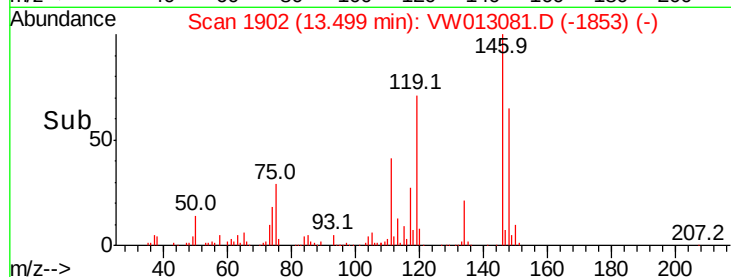
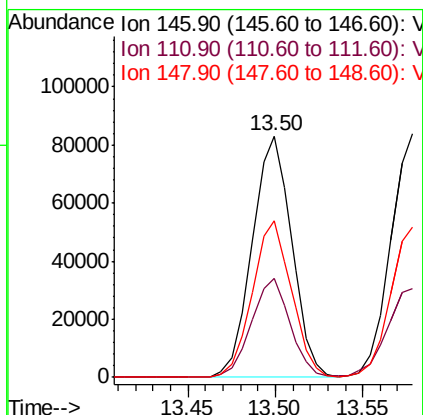
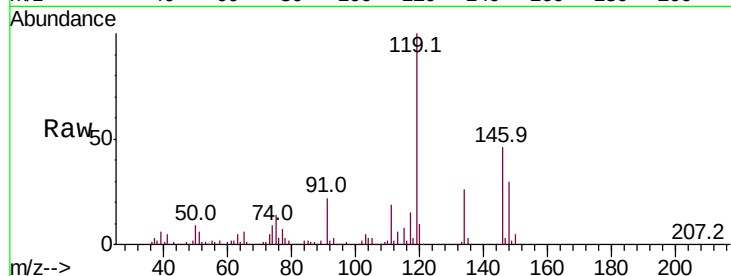
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:146 Resp: 130504

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.4
148	64.1	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 19.398 ug/l

RT: 13.58 min Scan# 1915

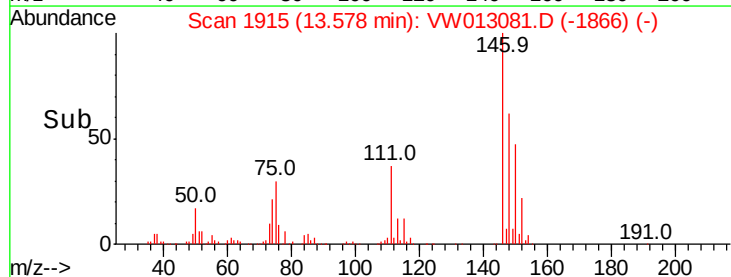
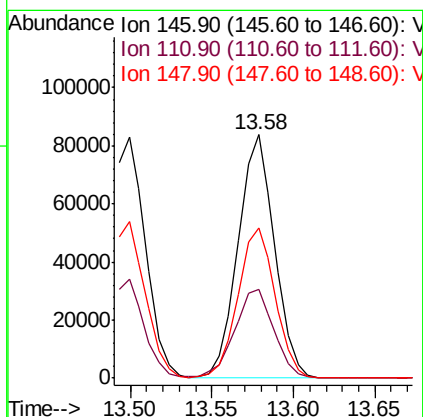
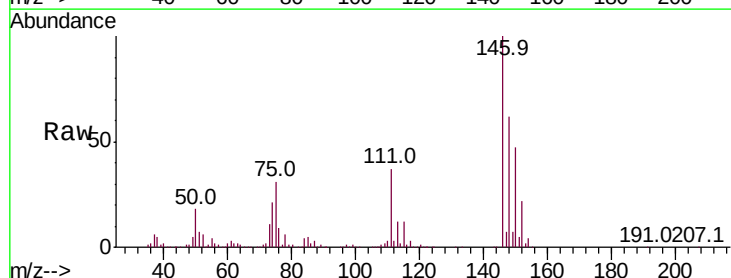
Delta R.T. -0.00 min

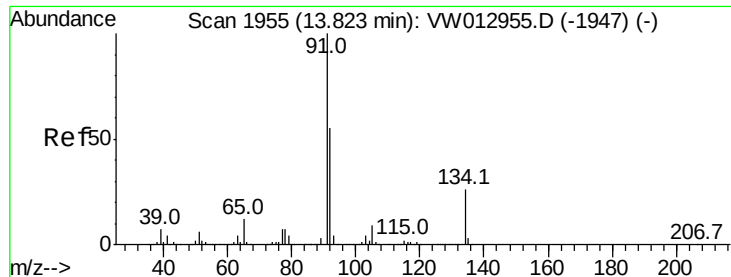
Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:146 Resp: 130445

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	63.4	31.9	95.5

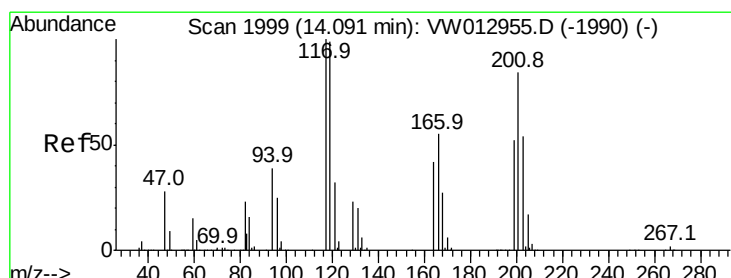
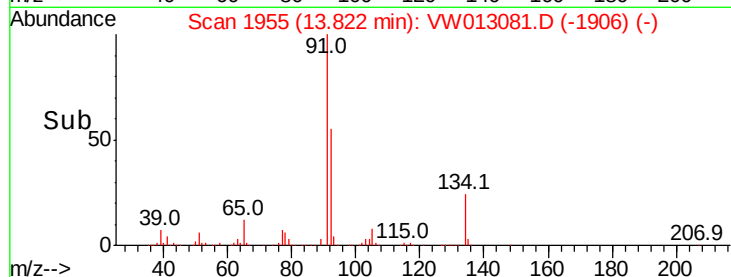
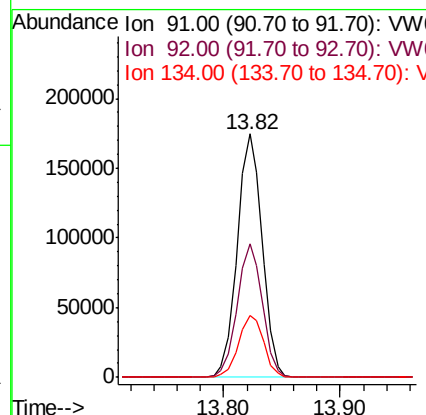
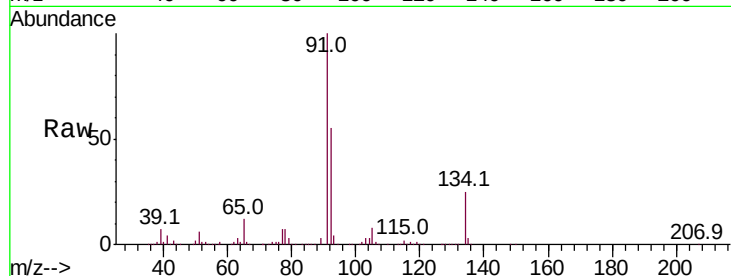




#89
n-Butylbenzene
Concen: 19.428 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

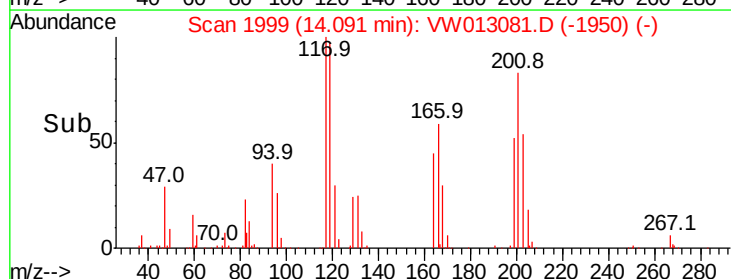
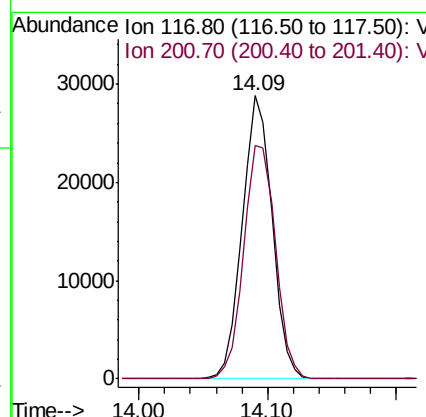
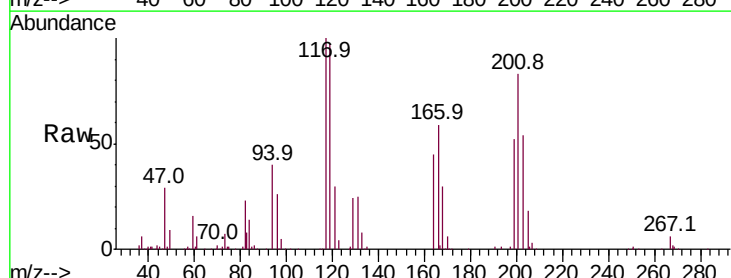
Instrument :
MSVOA_W
ClientSampleId :

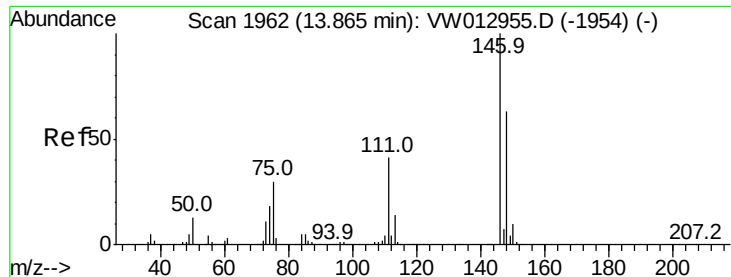
Tot Ion: 91 Resp: 260240
Ion Ratio Lower Upper
91 100
92 55.1 27.2 81.5
134 25.5 13.1 39.1



#90
Hexachloroethane
Concen: 18.187 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 117 Resp: 46291
Ion Ratio Lower Upper
117 100
201 87.7 45.3 135.9

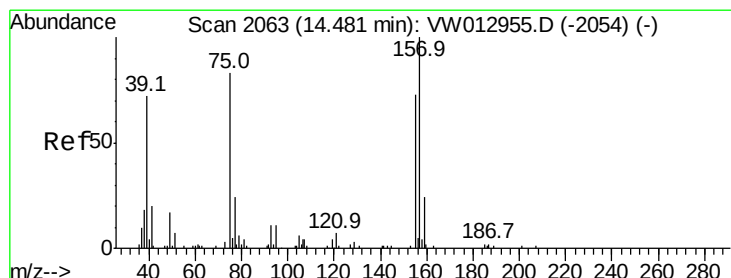
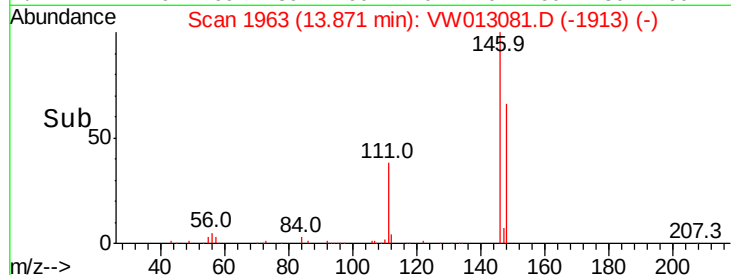
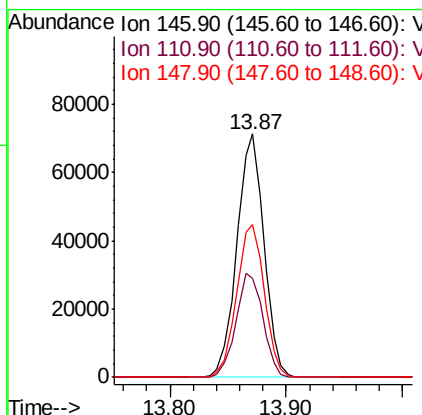
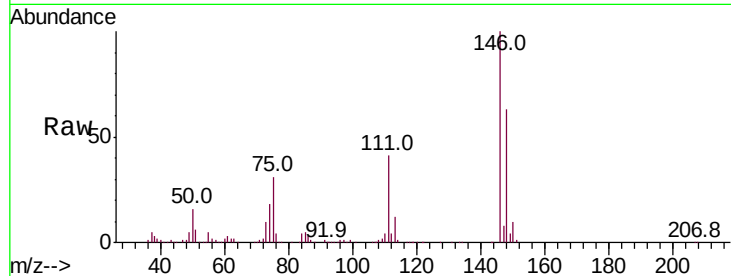




#91
 1,2-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

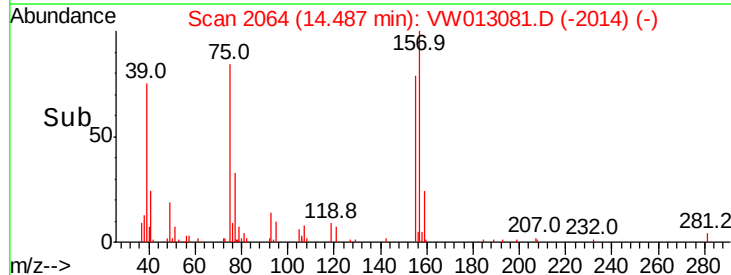
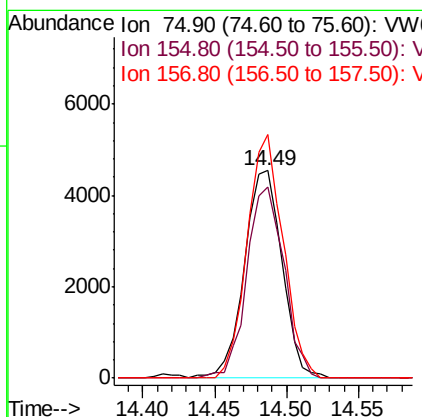
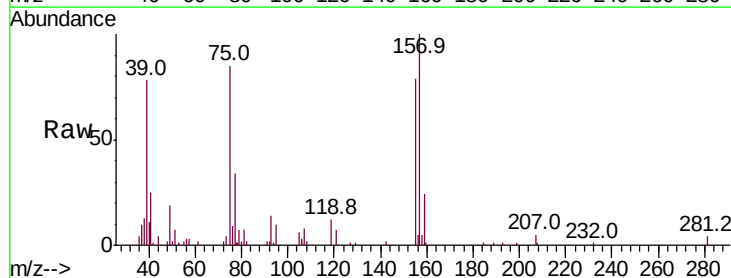
Instrument :
 MSVOA_W
 ClientSampleId :

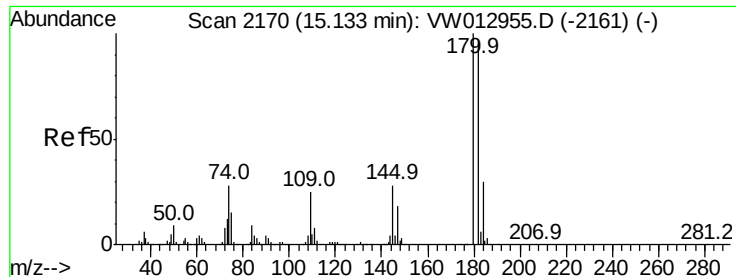
Tot Ion:146 Resp: 115779
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.8 62.5
 148 64.3 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.052 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 75 Resp: 8226
 Ion Ratio Lower Upper
 75 100
 155 90.7 43.3 129.9
 157 111.6 54.7 164.1

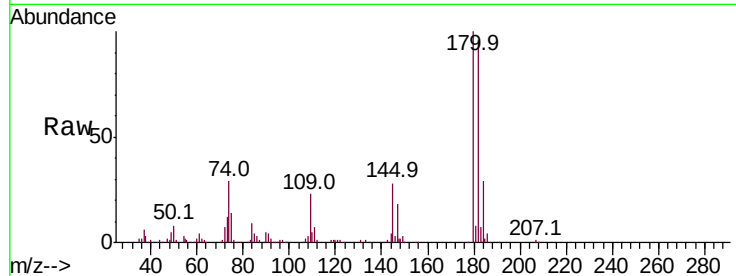




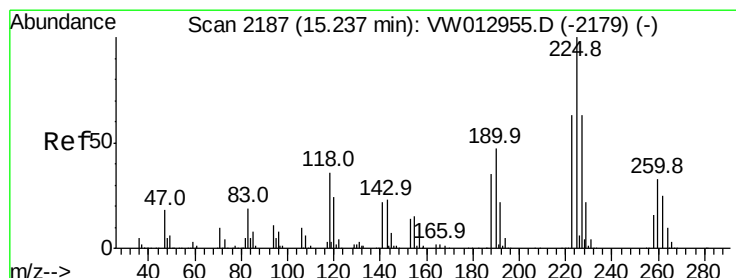
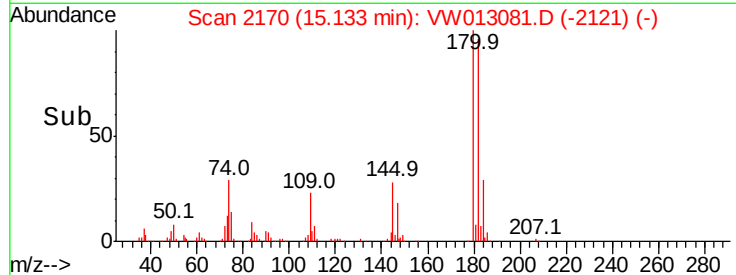
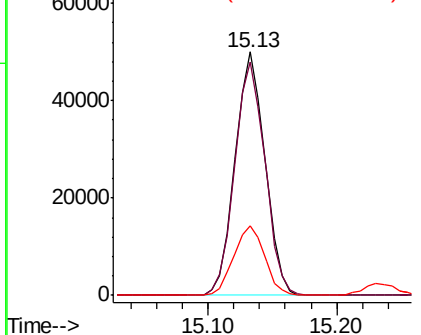
#93
 1,2,4-Trichlorobenzene
 Concen: 18.746 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.2
145	29.5	14.9	44.7

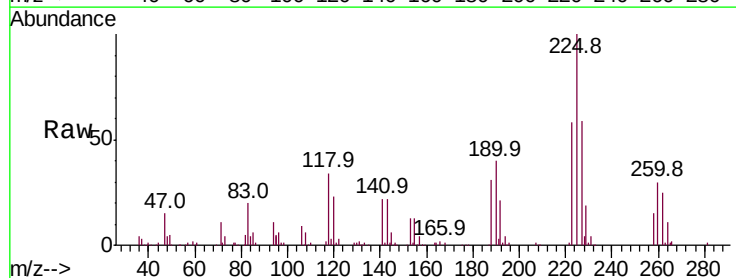


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

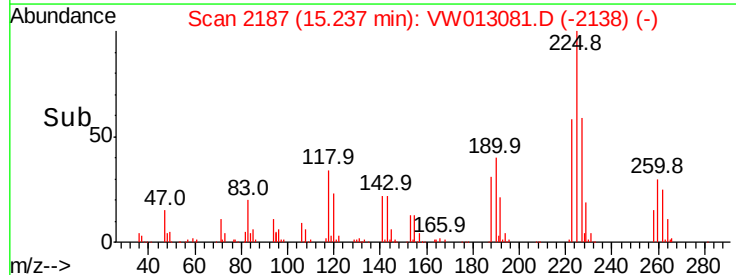
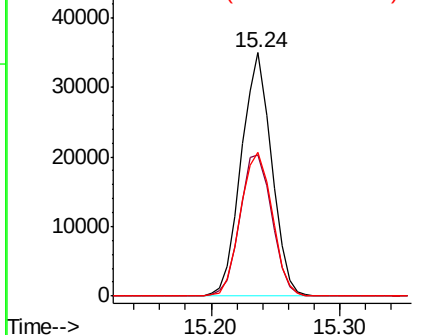


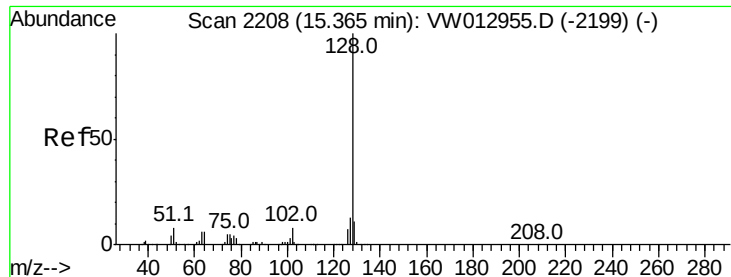
#94
 Hexachlorobutadiene
 Concen: 18.754 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.8	95.3
227	61.8	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

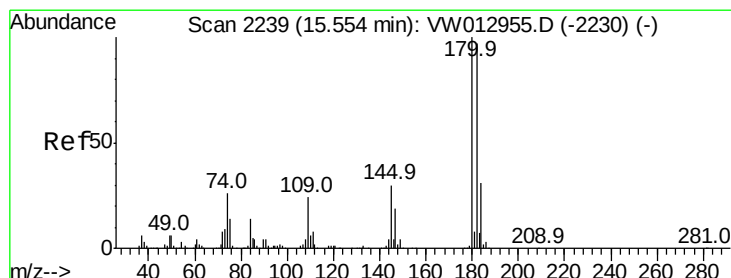
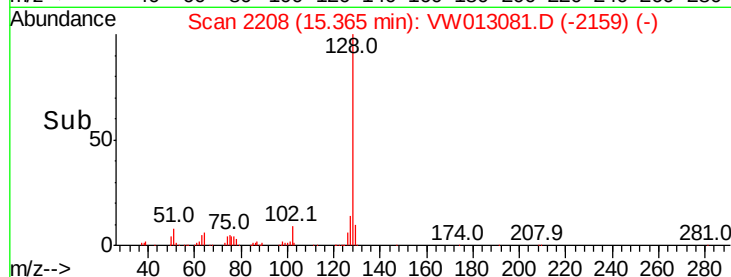
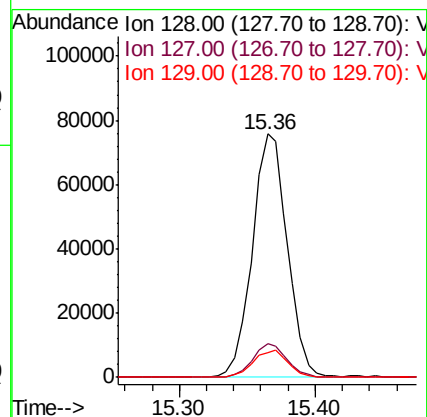
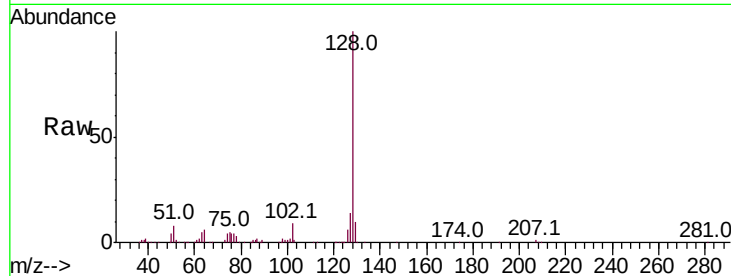




#95
Naphthalene
Concen: 18.999 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 136242
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:180 Resp: 72800
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.8
145 29.3 15.4 46.2

