

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013058.D
 Acq On : 17 Sep 2019 00:10
 Operator : SY/VA
 Sample : VW0916SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Quant Time: Sep 17 07:25:59 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	295910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151010	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	7.88	113	131079	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.32	98	526443	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.62	95	186597	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	30236	24.403	ug/l	97
3) Chloromethane	2.21	50	39303	25.193	ug/l	96
4) Vinyl Chloride	2.36	62	47959	22.643	ug/l	99
5) Bromomethane	2.76	94	28044	21.682	ug/l	92
6) Chloroethane	2.91	64	29888	23.008	ug/l	99
7) Trichlorofluoromethane	3.25	101	25430	17.169	ug/l	100
8) Diethyl Ether	3.68	74	26255	22.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48430	21.559	ug/l	97
10) Methyl Iodide	4.26	142	65013	23.125	ug/l	98
11) Tert butyl alcohol	5.18	59	28193	143.714	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	44294	21.686	ug/l	97
13) Acrolein	3.90	56	20896	99.498	ug/l	98
14) Allyl chloride	4.67	41	86576	22.327	ug/l	95
15) Acrylonitrile	5.36	53	74226	125.661	ug/l	99
16) Acetone	4.12	43	64659	97.077	ug/l	99
17) Carbon Disulfide	4.38	76	92025	22.608	ug/l	99
18) Methyl Acetate	4.67	43	42332	27.188	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	96273	23.878	ug/l	96
20) Methylene Chloride	4.92	84	56377	22.703	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	49029	22.412	ug/l	98
22) Diisopropyl ether	6.31	45	192497	23.896	ug/l	98
23) Vinyl Acetate	6.25	43	563398	116.772	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103325	22.247	ug/l	96
25) 2-Butanone	7.17	43	107322	123.499	ug/l	99
26) 2,2-Dichloropropane	7.17	77	65393	19.544	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60142	22.963	ug/l	97
28) Bromochloromethane	7.51	49	44662	22.846	ug/l #	98
29) Tetrahydrofuran	7.53	42	67446	136.214	ug/l	99
30) Chloroform	7.67	83	103082	21.843	ug/l	98
31) Cyclohexane	7.95	56	87776	22.869	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	81513	20.974	ug/l	98
36) 1,1-Dichloropropene	8.08	75	72424	20.210	ug/l	98
37) Ethyl Acetate	7.25	43	45960	24.163	ug/l	97
38) Carbon Tetrachloride	8.06	117	71411	19.445	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83726	21.322	ug/l	99
40) Benzene	8.32	78	218626	21.854	ug/l	97
41) Methacrylonitrile	7.48	41	27453	21.917	ug/l	91
42) 1,2-Dichloroethane	8.40	62	69851	20.829	ug/l	98
43) Isopropyl Acetate	8.42	43	86757	23.755	ug/l	98
44) Trichloroethene	9.09	130	58417	21.318	ug/l	88
45) 1,2-Dichloropropane	9.37	63	59811	22.503	ug/l	98
46) Dibromomethane	9.46	93	28543	22.415	ug/l	99
47) Bromodichloromethane	9.64	83	74264	20.791	ug/l	100
48) Methyl methacrylate	9.43	41	41804	24.390	ug/l	96
49) 1,4-Dioxane	9.46	88	11339	531.407	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	230620	122.312	ug/l	99
52) Toluene	10.38	92	137013	21.553	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74462	20.728	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	87755	21.350	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	45142	23.270	ug/l	99
56) Ethyl methacrylate	10.64	69	63742	24.411	ug/l	96
57) 1,3-Dichloropropane	10.93	76	76369	22.192	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	159142	113.615	ug/l	99
59) 2-Hexanone	10.97	43	157086	119.648	ug/l	100
60) Dibromochloromethane	11.13	129	49006	20.895	ug/l	95
61) 1,2-Dibromoethane	11.23	107	40924	23.125	ug/l	99
64) Tetrachloroethene	10.86	164	50747	21.563	ug/l	97
65) Chlorobenzene	11.66	112	149862	21.268	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	54304	20.110	ug/l	99
67) Ethyl Benzene	11.73	91	273678	21.030	ug/l	98
68) m/p-Xylenes	11.84	106	200164	42.103	ug/l	99
69) o-Xylene	12.16	106	95282	21.378	ug/l	99
70) Styrene	12.18	104	167269	21.097	ug/l	99
71) Bromoform	12.35	173	30610	21.581	ug/l #	98
73) Isopropylbenzene	12.46	105	272160	21.056	ug/l	100
74) N-amyl acetate	12.27	43	79488	23.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53152	23.413	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	68156	39.901	ug/l #	100
77) Bromobenzene	12.74	156	63497	21.324	ug/l	99
78) n-propylbenzene	12.80	91	319516	21.015	ug/l	100
79) 2-Chlorotoluene	12.89	91	183603	21.006	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	229644	21.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16275	21.614	ug/l	94
82) 4-Chlorotoluene	12.99	91	194202	21.058	ug/l	99
83) tert-Butylbenzene	13.21	119	207538	21.218	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	227002	21.008	ug/l	97
85) sec-Butylbenzene	13.38	105	279435	20.969	ug/l	99
86) p-Isopropyltoluene	13.49	119	256137	20.935	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	123556	20.960	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	122942	21.223	ug/l	99
89) n-Butylbenzene	13.82	91	231031	20.022	ug/l	99
90) Hexachloroethane	14.09	117	43407	19.797	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	110258	21.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9861	23.730	ug/l	93

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QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

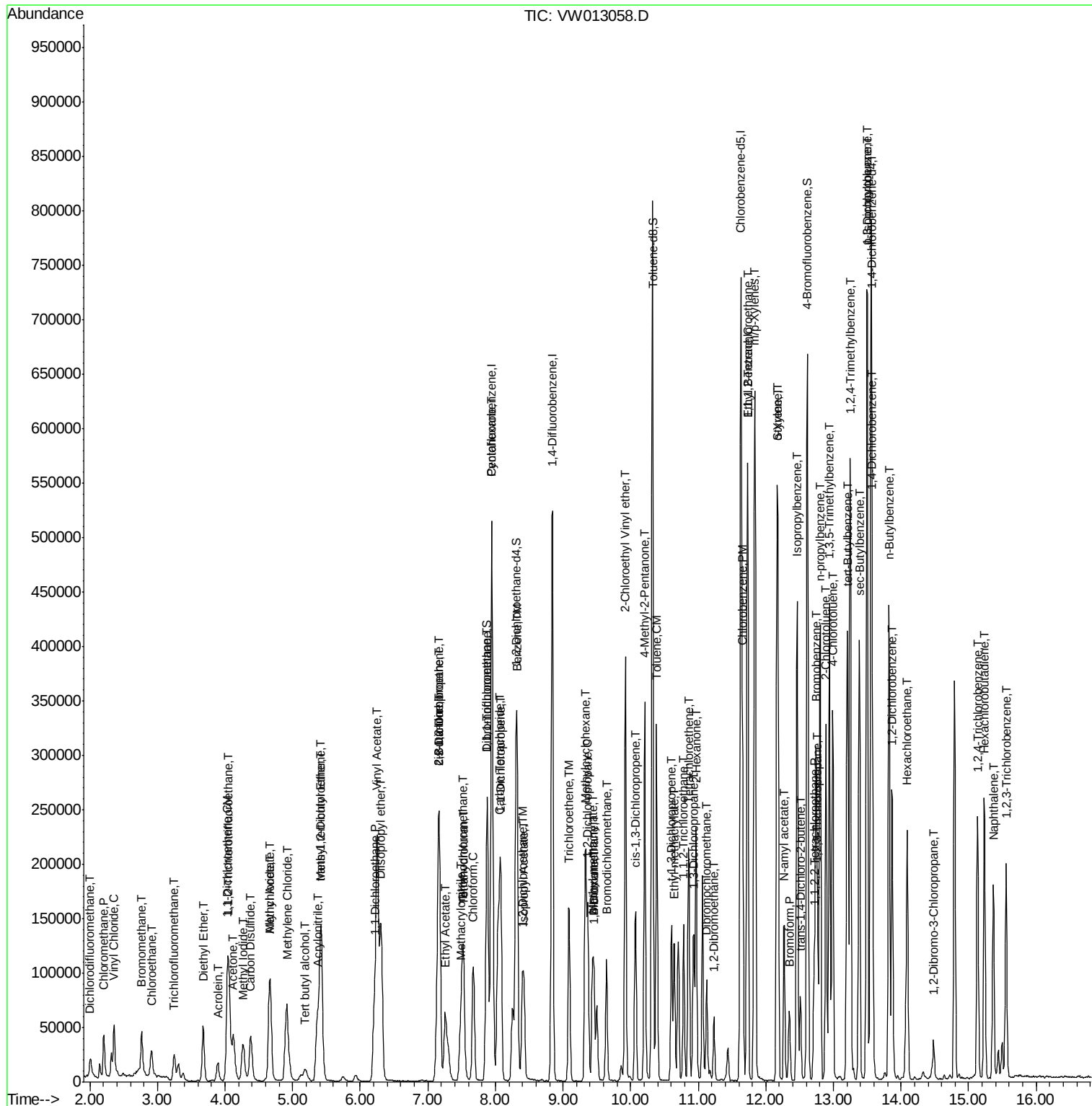
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79020	21.374	ug/l	99
94) Hexachlorobutadiene	15.23	225	54431	20.798	ug/l	99
95) Naphthalene	15.36	128	148186	23.989	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71196	21.786	ug/l	99

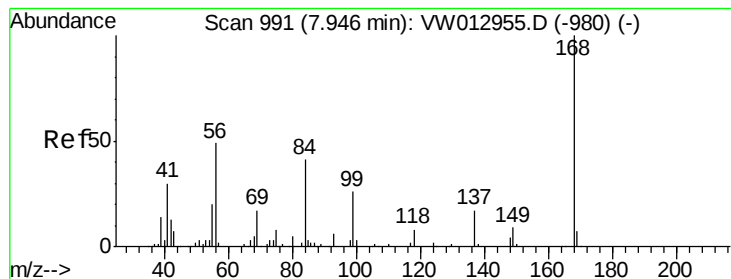
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

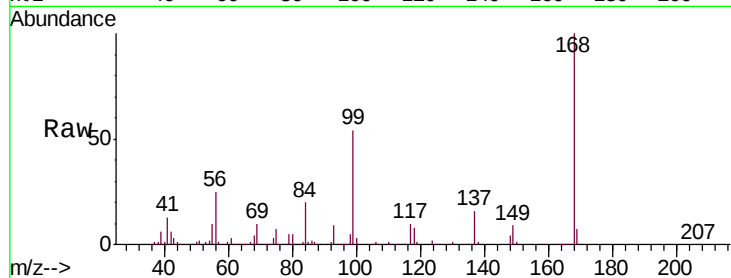
VW0916SBS02

Tgt Ion:168 Resp: 295910

Ion Ratio Lower Upper

168 100

99 54.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

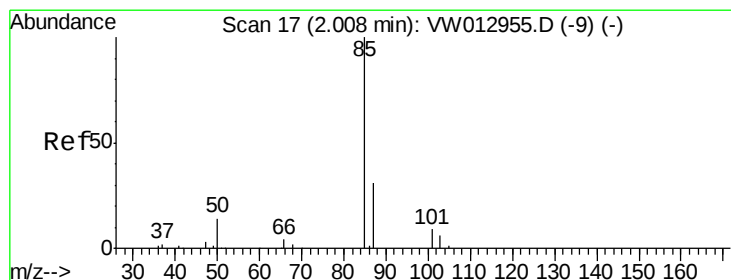
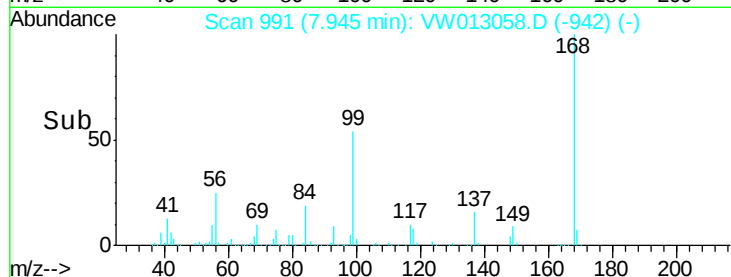
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.403 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013058.D

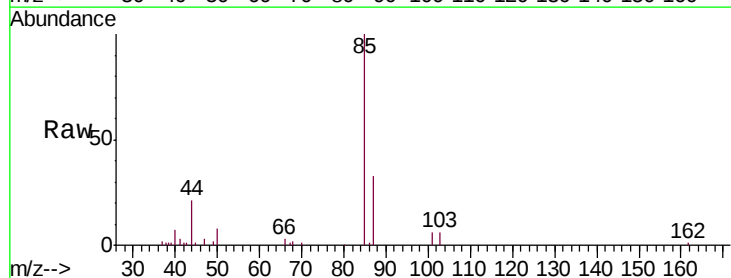
Acq: 17 Sep 2019 00:10

Tgt Ion: 85 Resp: 30236

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

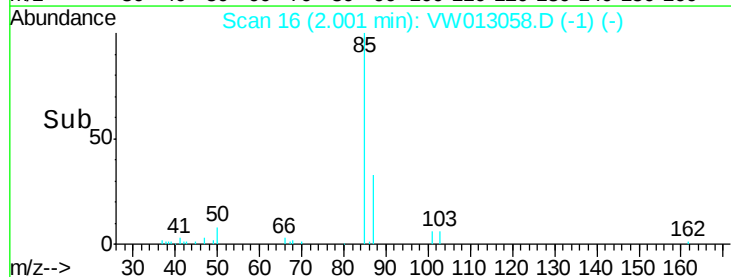
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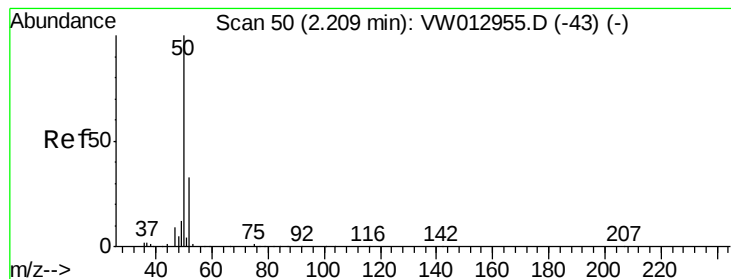
4000

2000

0

Time-->





#3

Chloromethane

Concen: 25.193 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

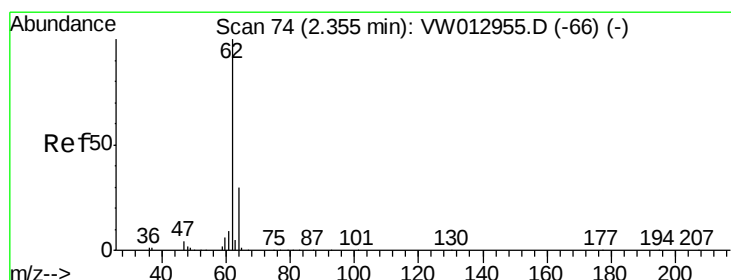
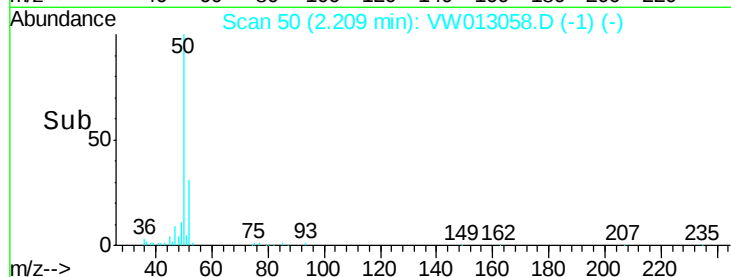
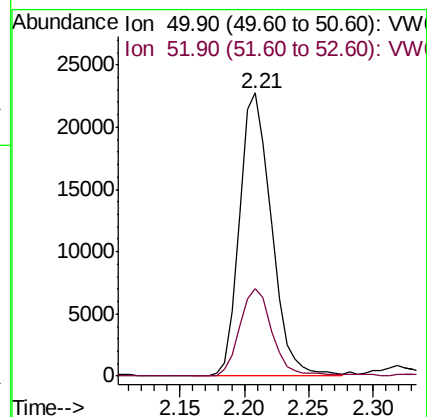
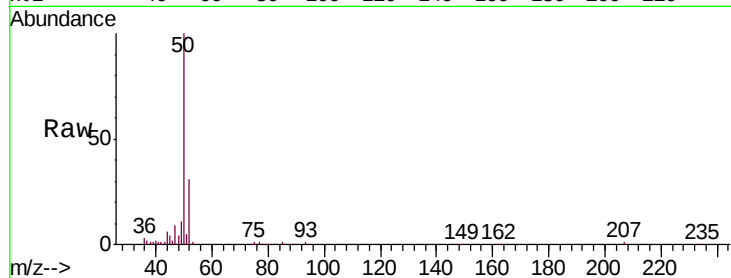
VW0916SBS02

Tgt Ion: 50 Resp: 39303

Ion Ratio Lower Upper

50 100

52 30.9 26.6 39.8



#4

Vinyl Chloride

Concen: 22.643 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013058.D

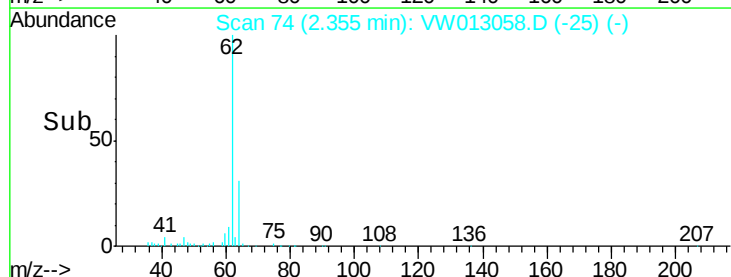
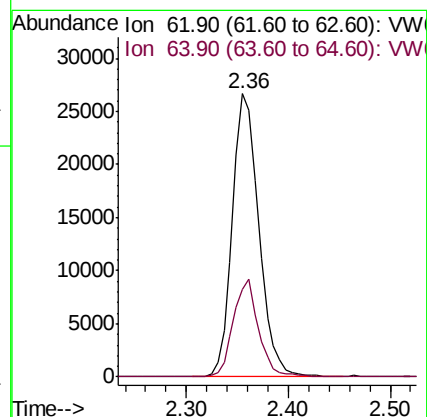
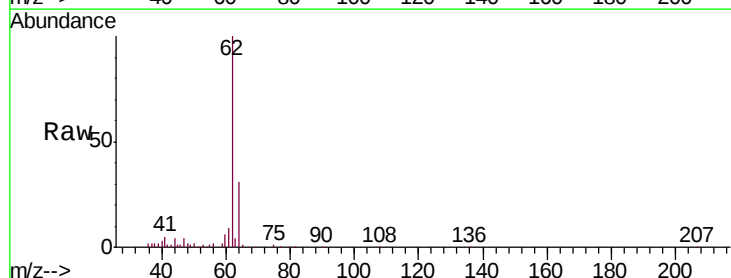
Acq: 17 Sep 2019 00:10

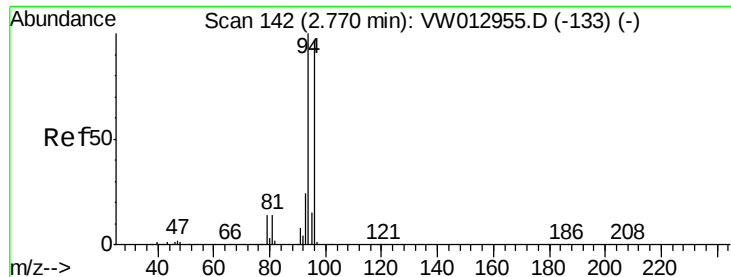
Tgt Ion: 62 Resp: 47959

Ion Ratio Lower Upper

62 100

64 31.1 24.2 36.4





#5

Bromomethane

Concen: 21.682 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

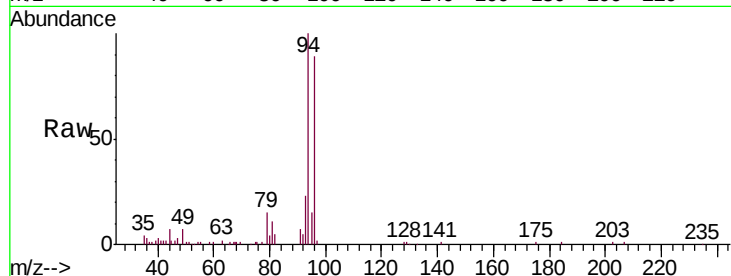
VW0916SBS02

Tgt Ion: 94 Resp: 28044

Ion Ratio Lower Upper

94 100

96 89.4 77.8 116.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

15000

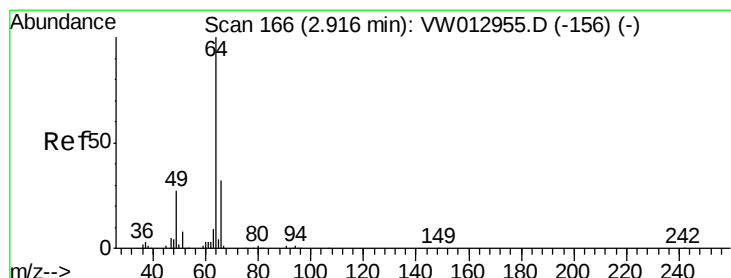
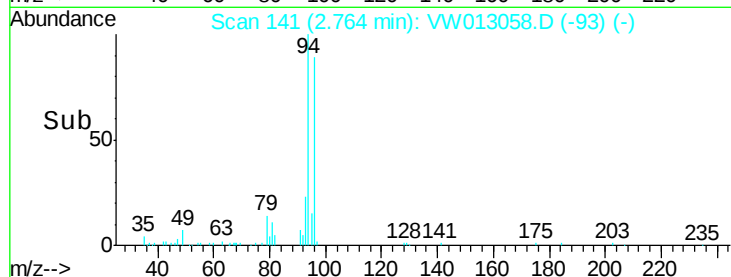
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 23.008 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013058.D

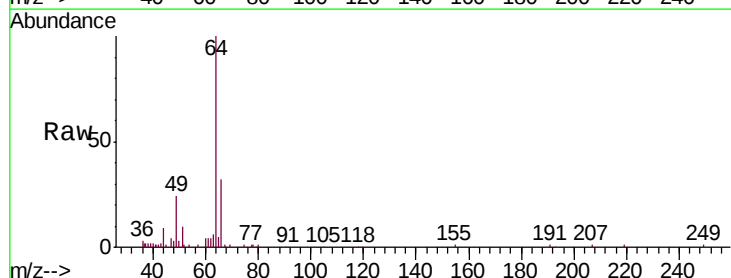
Acq: 17 Sep 2019 00:10

Tgt Ion: 64 Resp: 29888

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

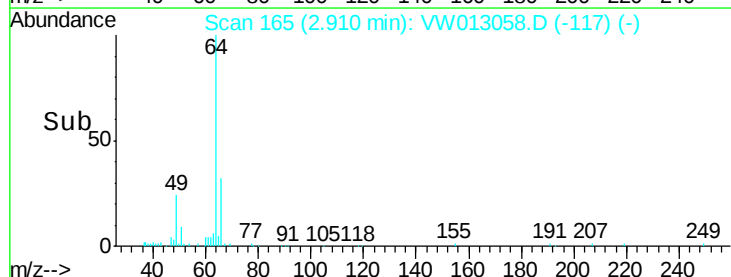
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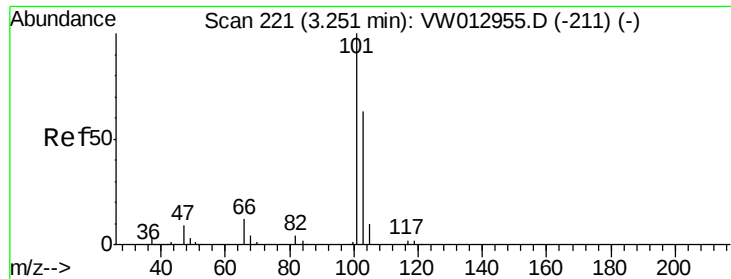
5000

0

Time-->

2.80 2.90 3.00



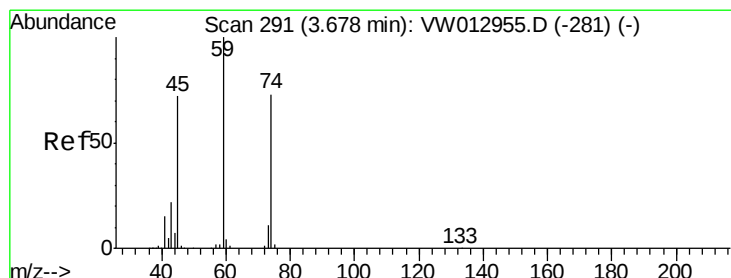
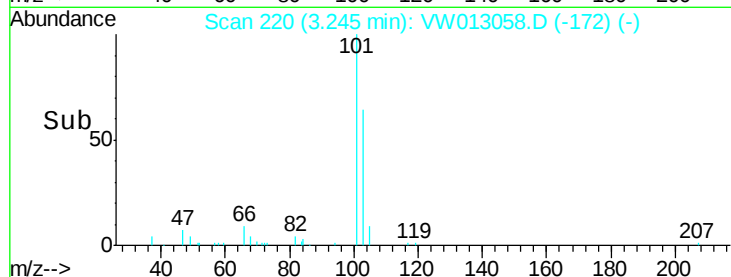
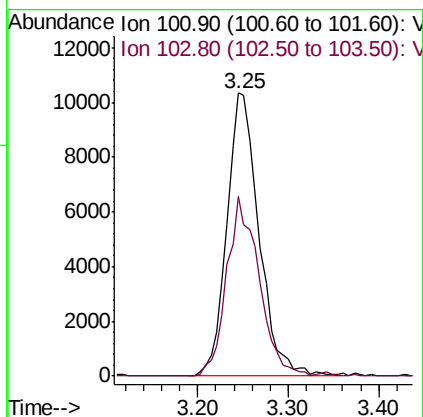
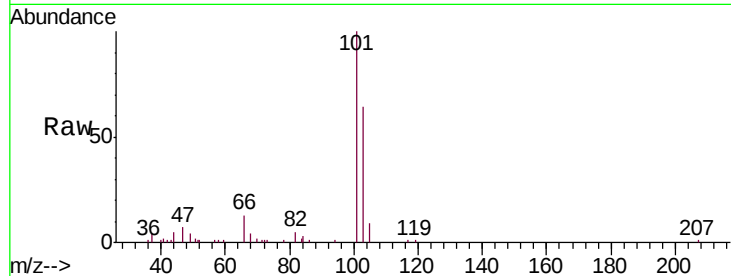


#7

Trichlorofluoromethane
 Concen: 17.169 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

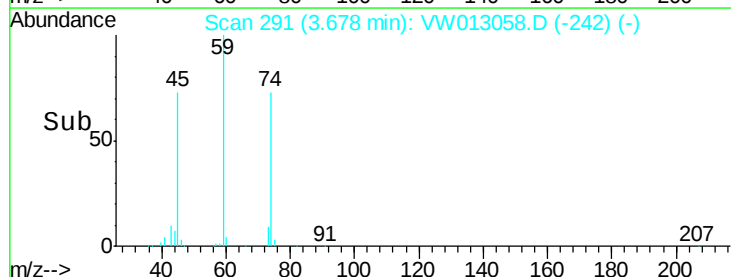
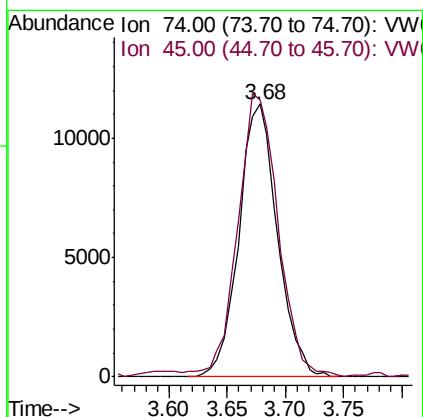
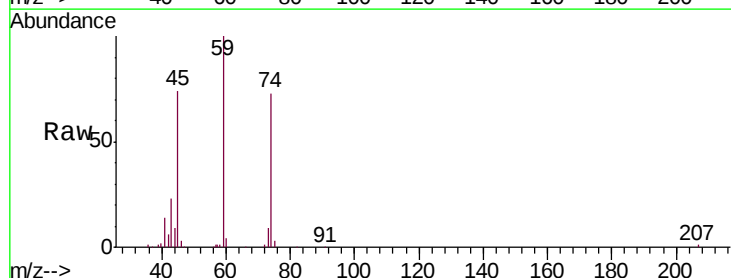
Tgt Ion:101 Resp: 25430
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.7 76.1

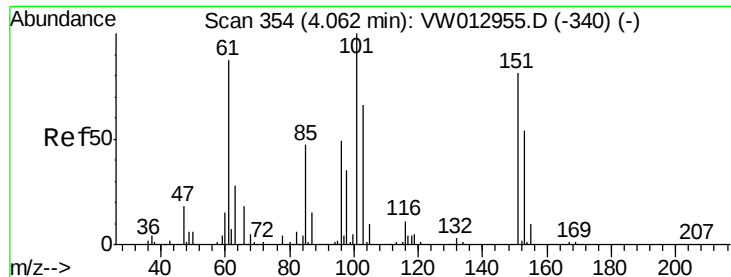


#8

Diethyl Ether
 Concen: 22.702 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 74 Resp: 26255
 Ion Ratio Lower Upper
 74 100
 45 109.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.559 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

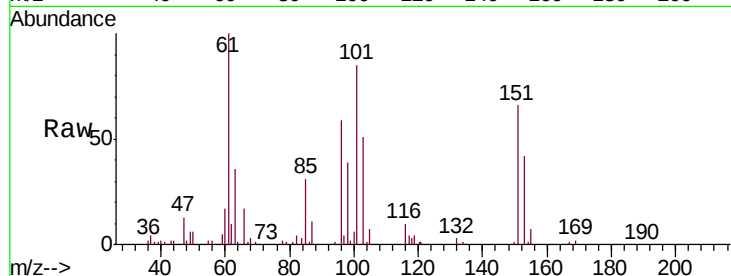
Tgt Ion:101 Resp: 48430

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

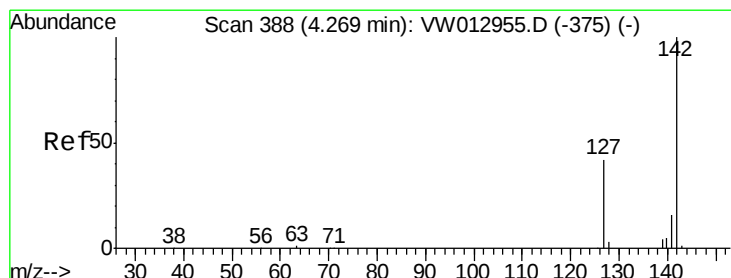
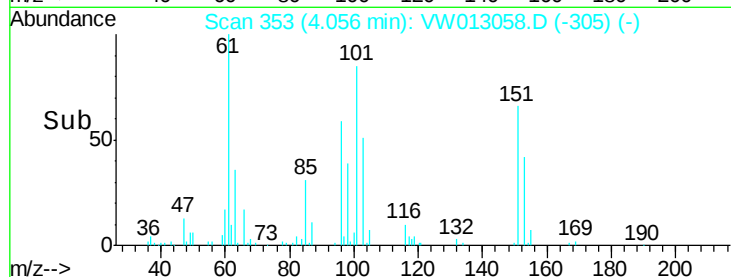
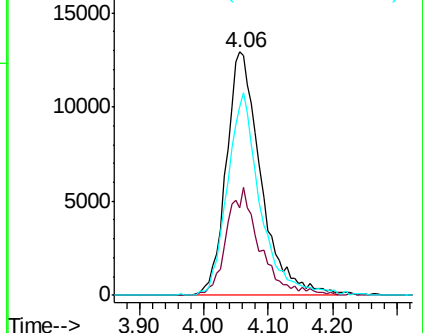
151 79.5 66.0 99.0



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: 23.125 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

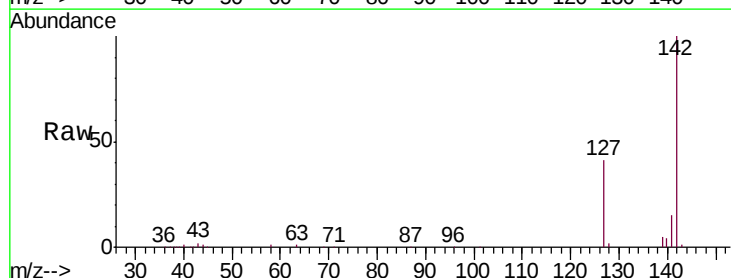
Tgt Ion:142 Resp: 65013

Ion Ratio Lower Upper

142 100

127 41.5 34.7 52.1

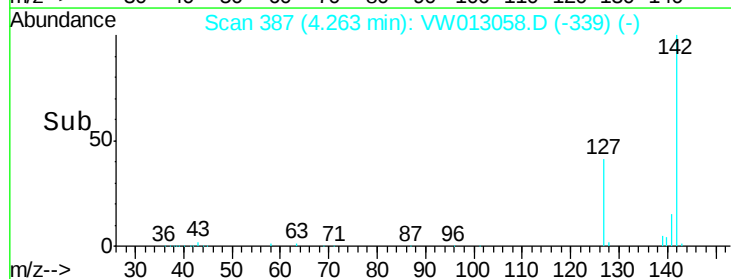
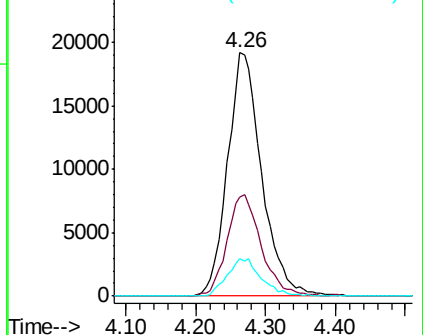
141 15.2 12.2 18.2

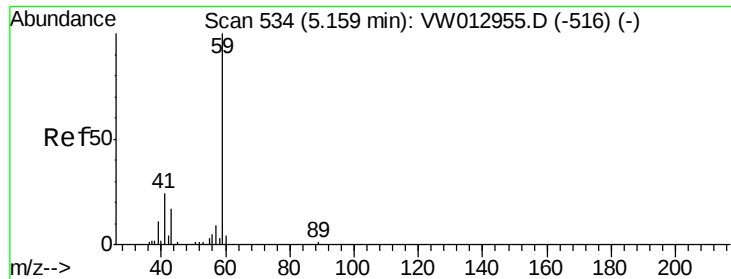


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

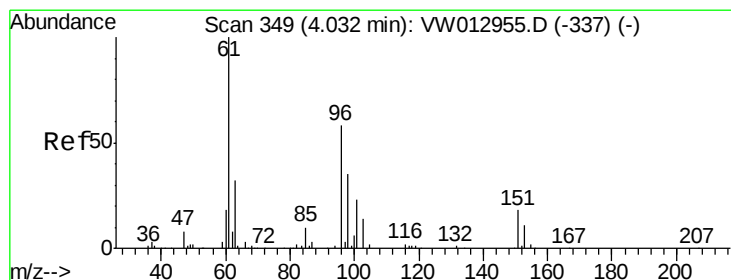
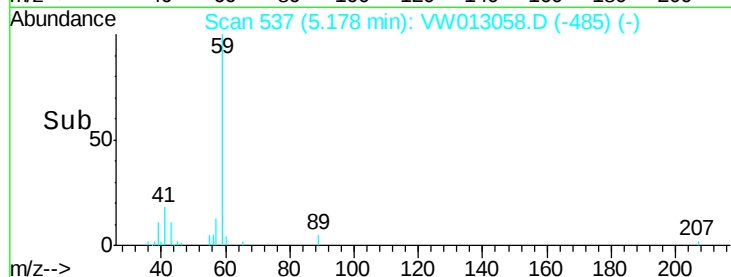
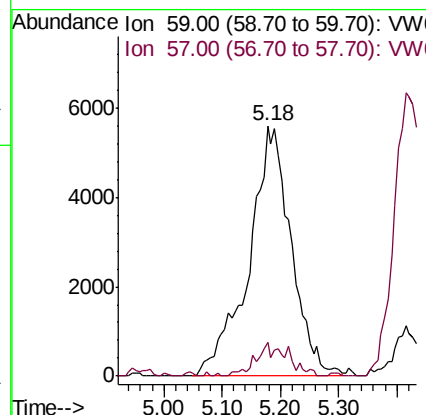
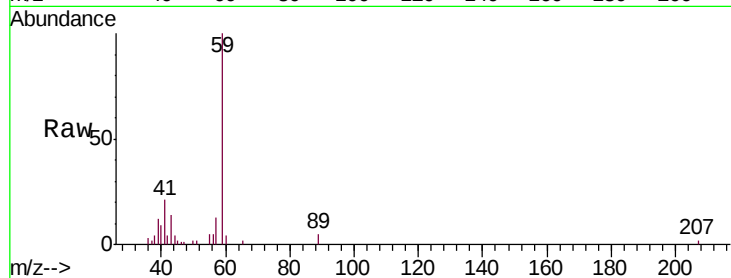




#11
Tert butyl alcohol
Concen: 143.714 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

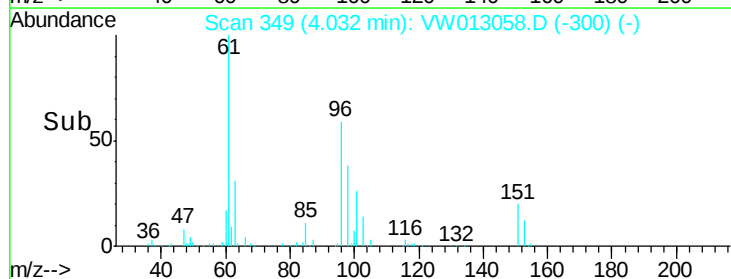
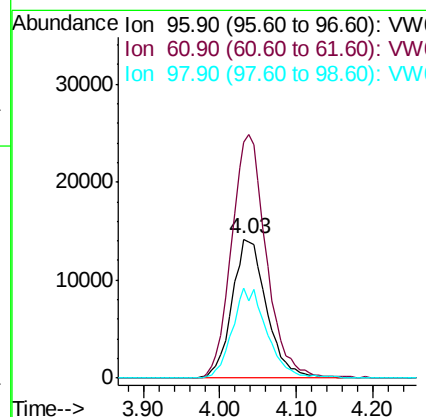
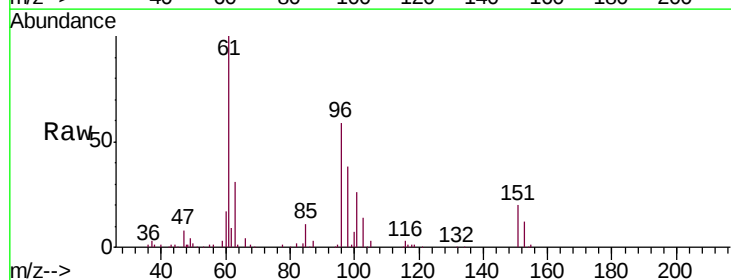
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

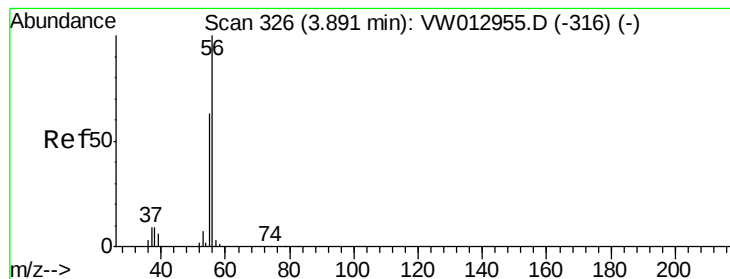
Tgt Ion: 59 Resp: 28193
Ion Ratio Lower Upper
59 100
57 4.8 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 21.686 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 96 Resp: 44294
Ion Ratio Lower Upper
96 100
61 170.2 137.9 206.9
98 65.4 48.9 73.3





#13

Acrolein

Concen: 99.498 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

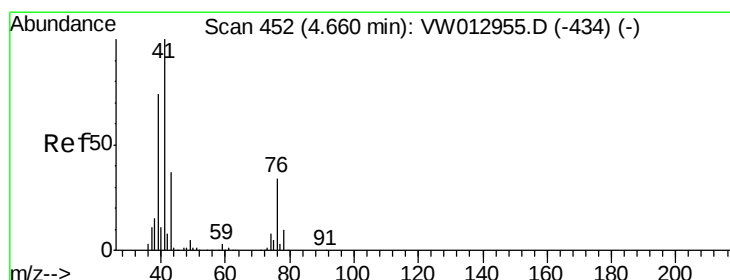
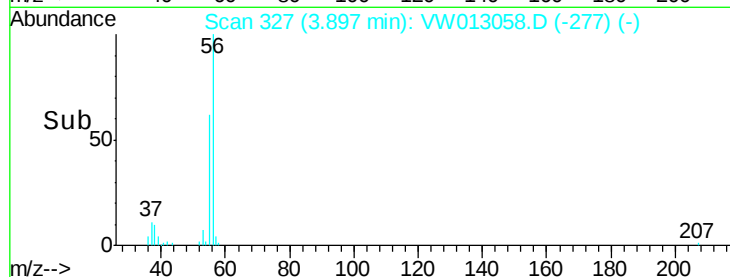
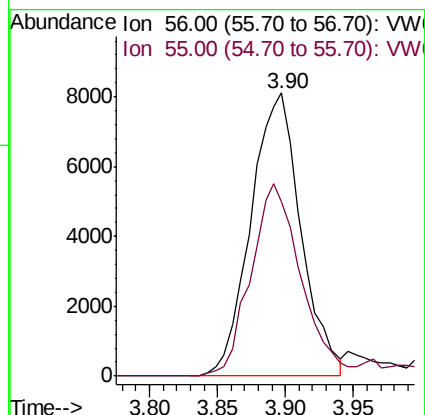
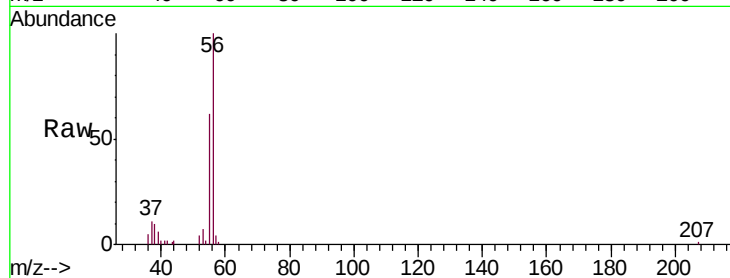
VW0916SBS02

Tgt Ion: 56 Resp: 20896

Ion Ratio Lower Upper

56 100

55 67.8 55.8 83.8



#14

Allyl chloride

Concen: 22.327 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

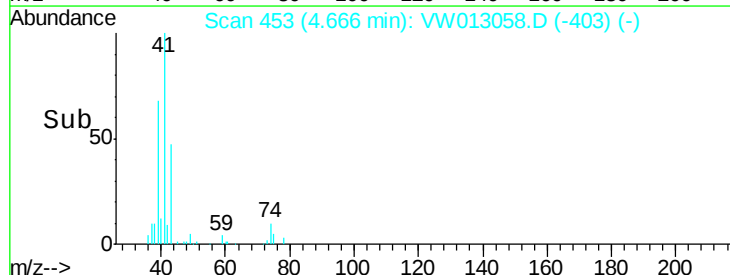
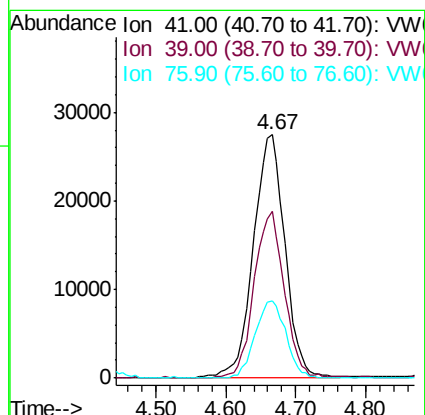
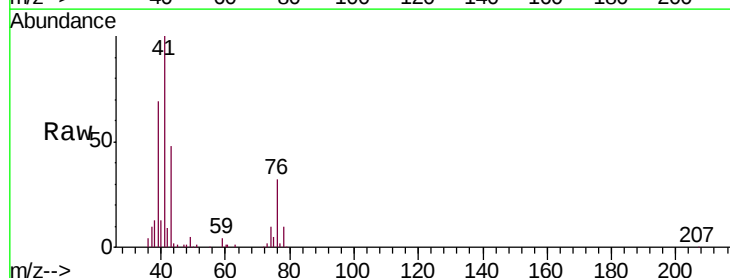
Tgt Ion: 41 Resp: 86576

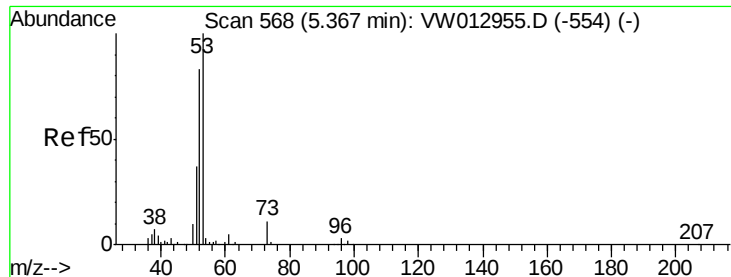
Ion Ratio Lower Upper

41 100

39 65.6 56.7 85.1

76 30.8 25.1 37.7





#15

Acrylonitrile

Concen: 125.661 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

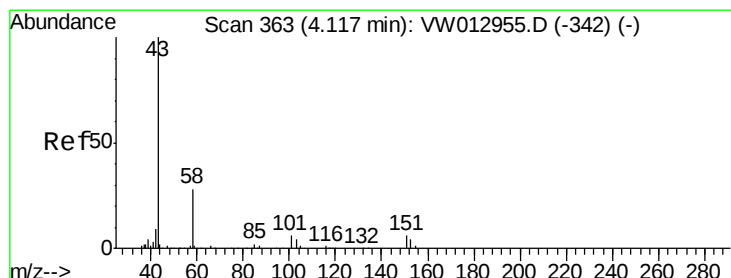
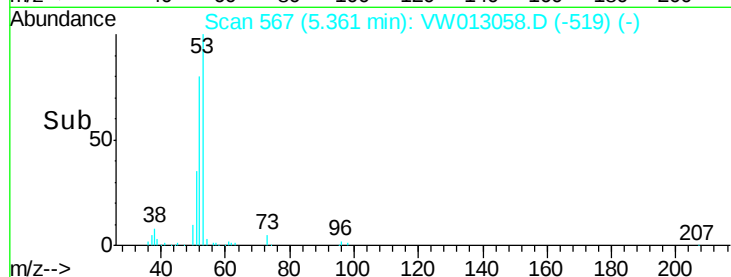
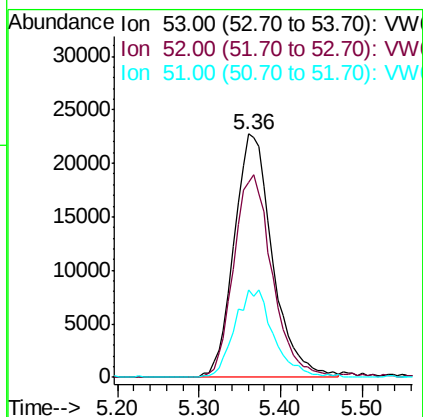
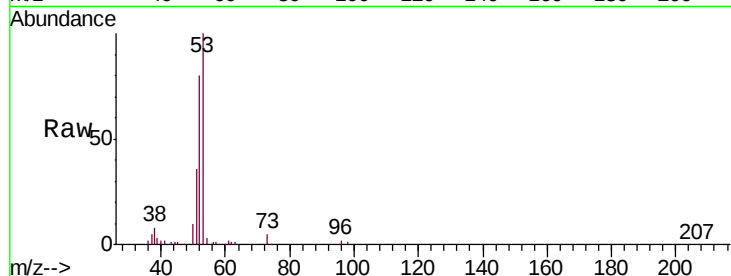
Tgt Ion: 53 Resp: 74226

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

51 36.2 29.8 44.8



#16

Acetone

Concen: 97.077 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013058.D

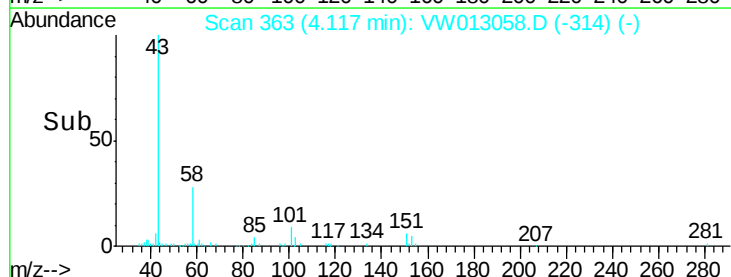
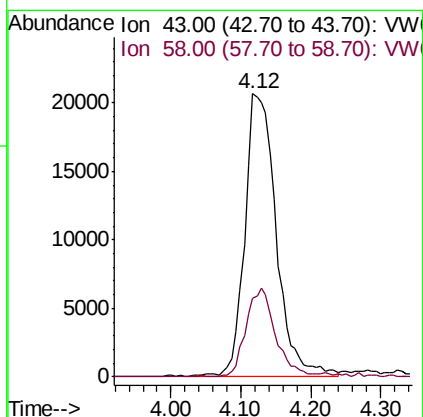
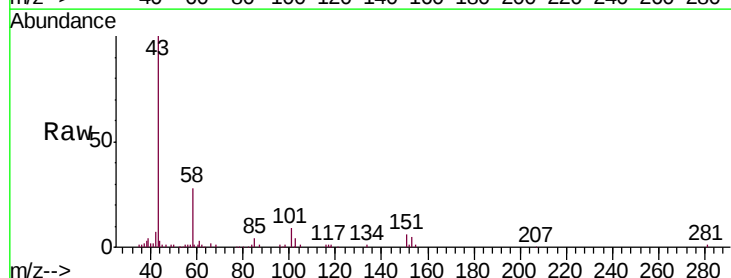
Acq: 17 Sep 2019 00:10

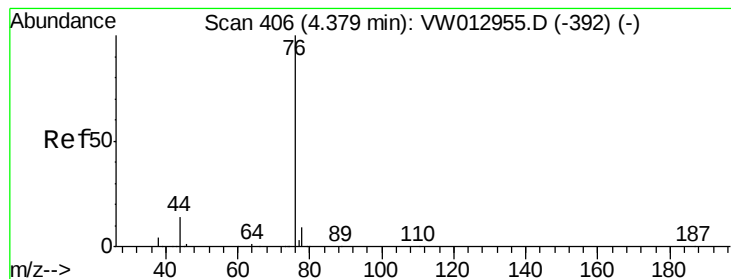
Tgt Ion: 43 Resp: 64659

Ion Ratio Lower Upper

43 100

58 27.6 22.3 33.5





#17

Carbon Disulfide

Concen: 22.608 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

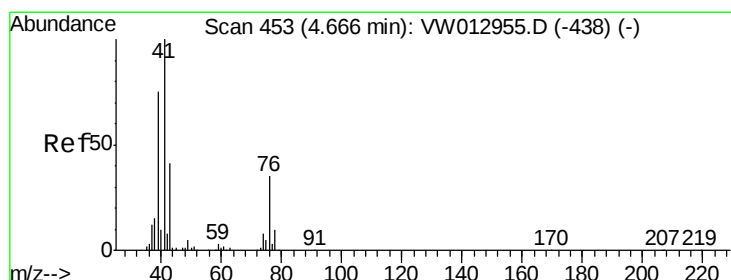
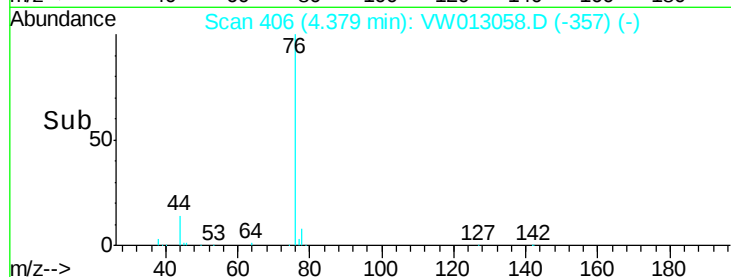
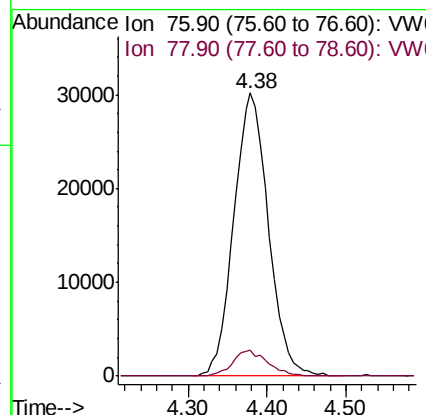
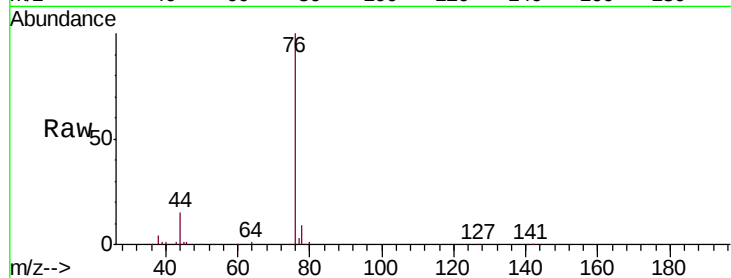
VW0916SBS02

Tgt Ion: 76 Resp: 92025

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



#18

Methyl Acetate

Concen: 27.188 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013058.D

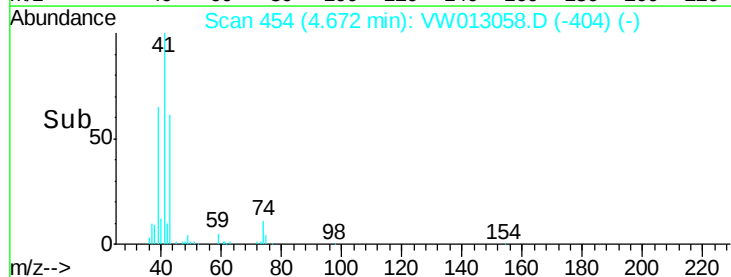
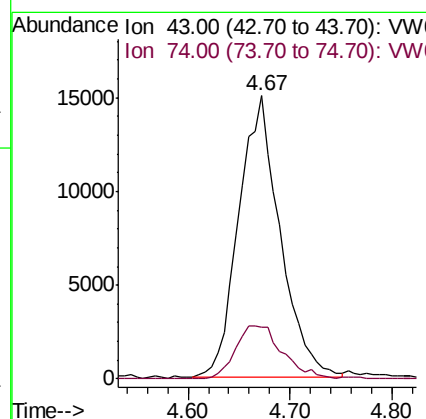
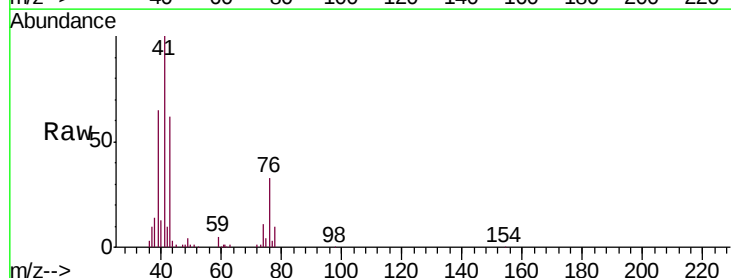
Acq: 17 Sep 2019 00:10

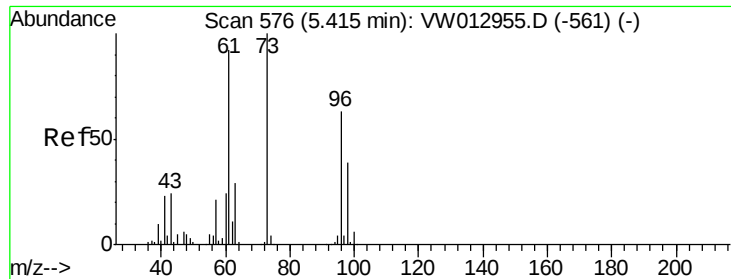
Tgt Ion: 43 Resp: 42332

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.8

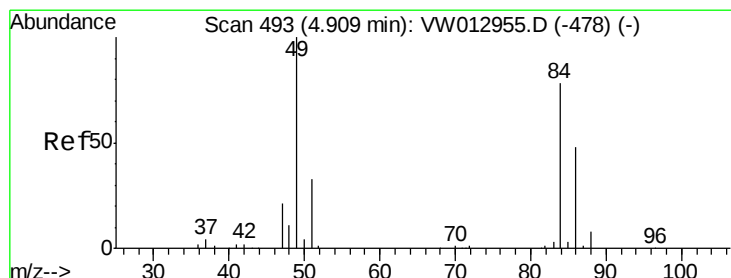
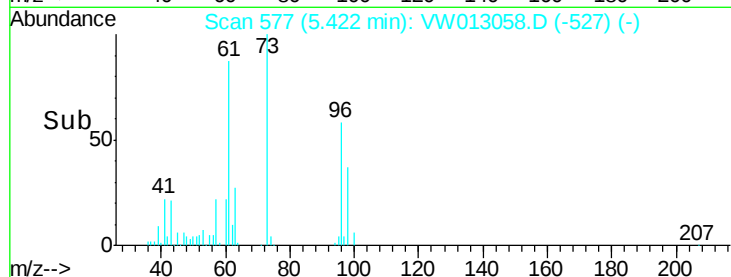
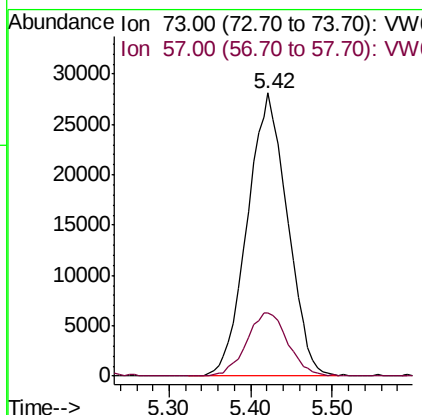
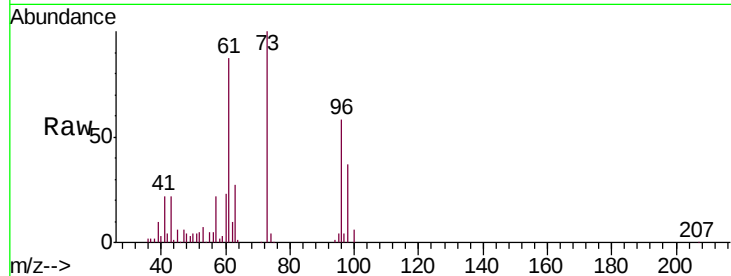




#19
Methyl tert-butyl Ether
Concen: 23.878 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

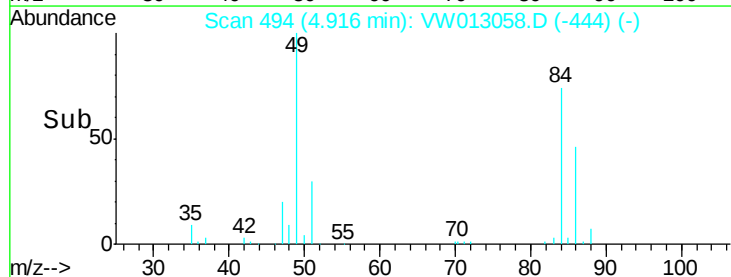
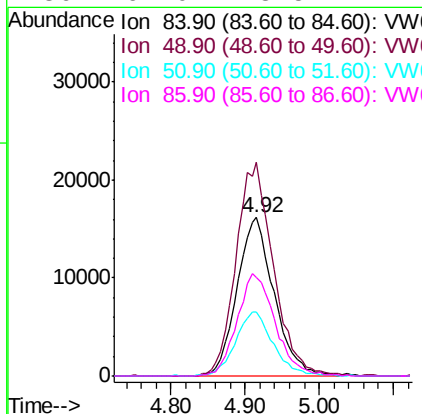
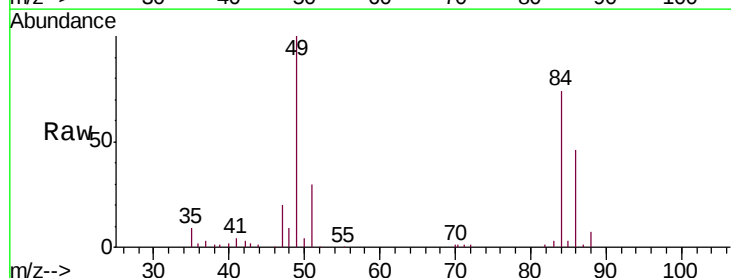
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

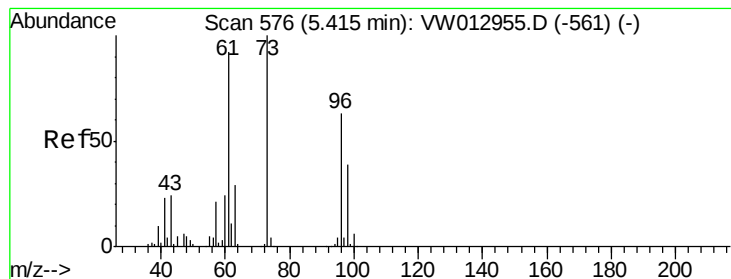
Tgt Ion: 73 Resp: 96273
Ion Ratio Lower Upper
73 100
57 22.3 16.4 24.6



#20
Methylene Chloride
Concen: 22.703 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 84 Resp: 56377
Ion Ratio Lower Upper
84 100
49 135.1 102.0 153.0
51 40.5 34.0 51.0
86 62.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 22.412 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

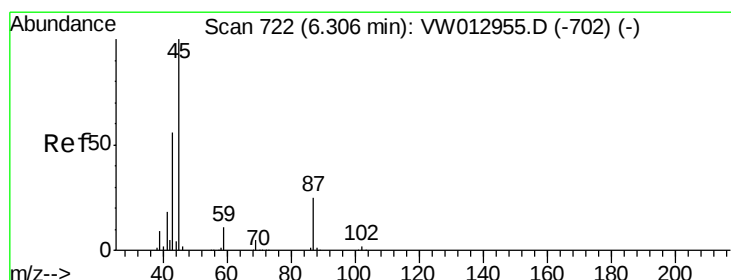
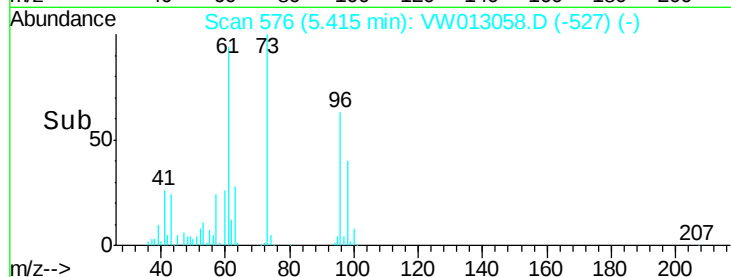
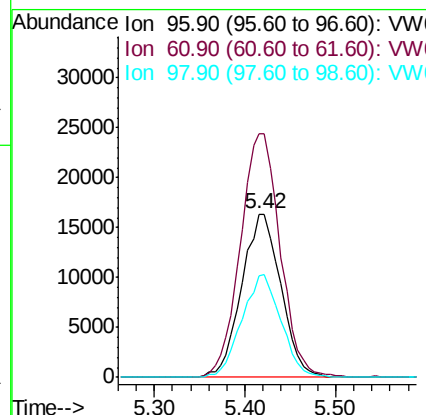
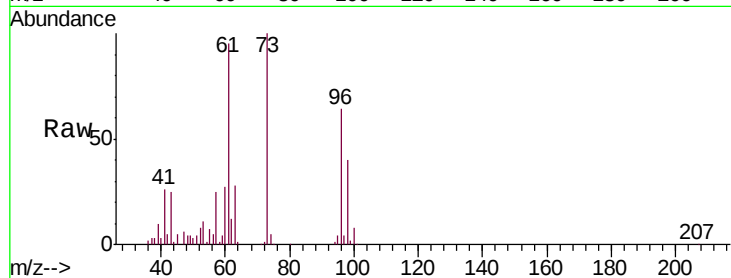
Tgt Ion: 96 Resp: 49029

Ion Ratio Lower Upper

96 100

61 148.8 116.2 174.2

98 62.2 49.8 74.6



#22

Diisopropyl ether

Concen: 23.896 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Tgt Ion: 45 Resp: 192497

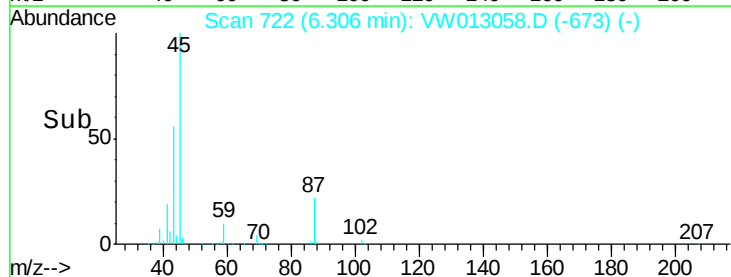
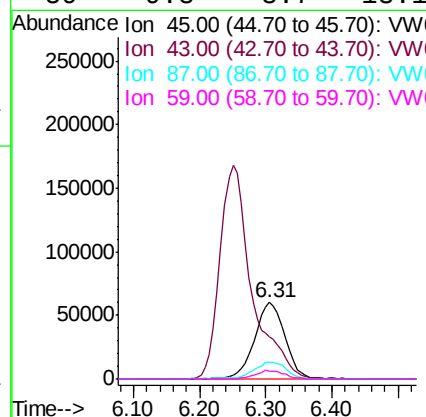
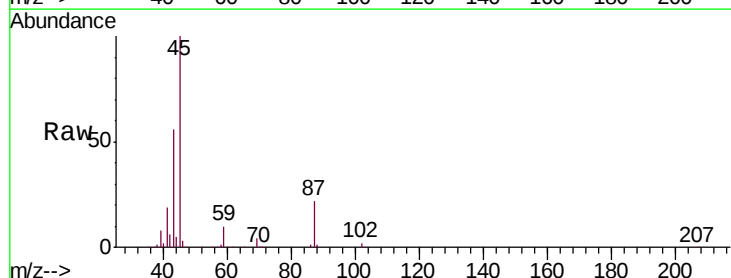
Ion Ratio Lower Upper

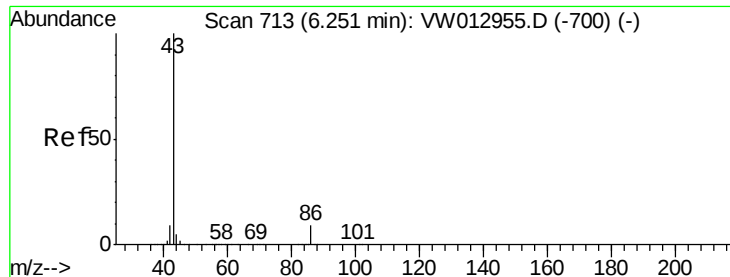
45 100

43 55.9 44.6 67.0

87 22.5 20.0 30.0

59 9.8 8.7 13.1





#23

Vinyl Acetate

Concen: 116.772 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

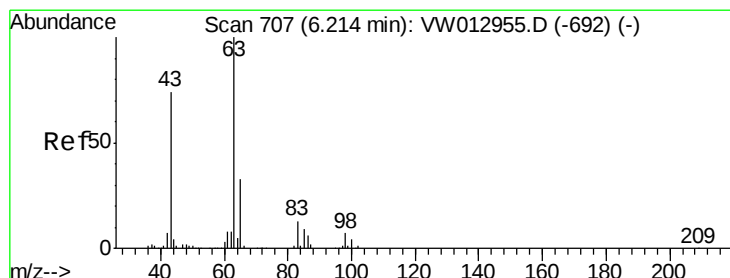
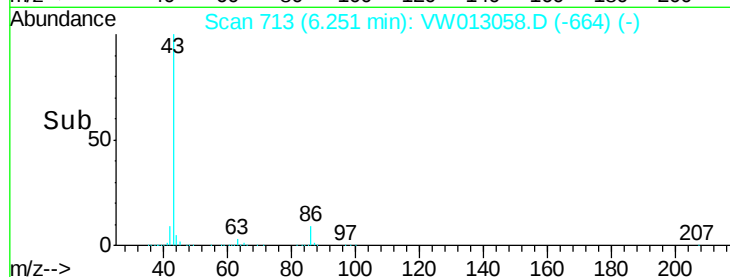
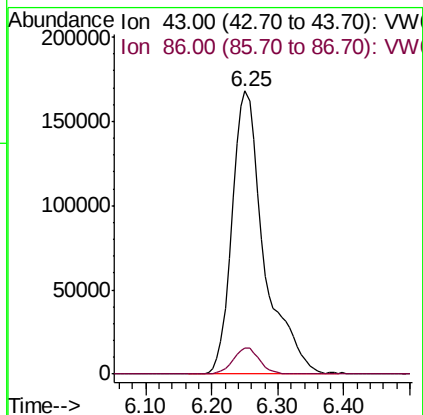
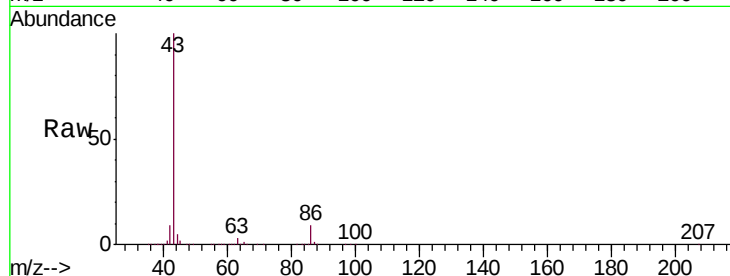
VW0916SBS02

Tgt Ion: 43 Resp: 563398

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6



#24

1,1-Dichloroethane

Concen: 22.247 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

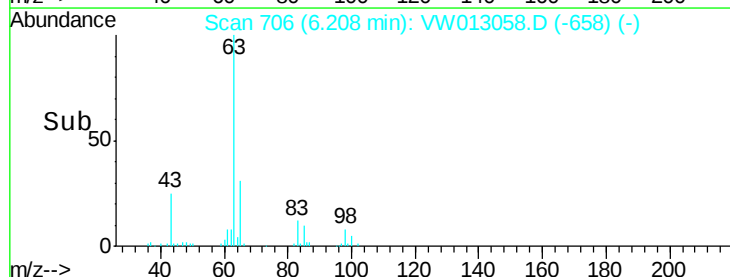
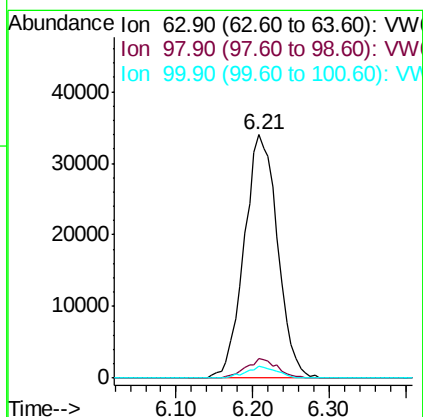
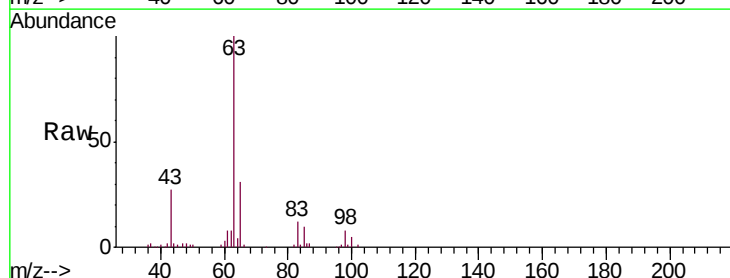
Tgt Ion: 63 Resp: 103325

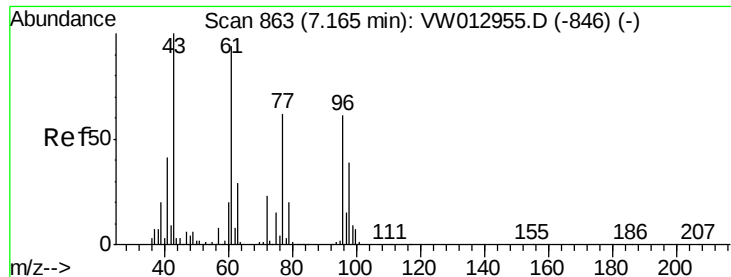
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.9

100 5.0 1.8 5.5





#25

2-Butanone

Concen: 123.499 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampled :

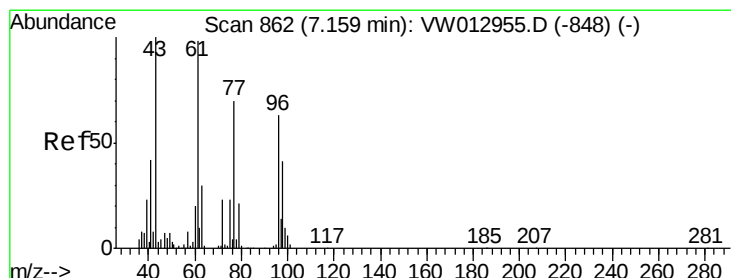
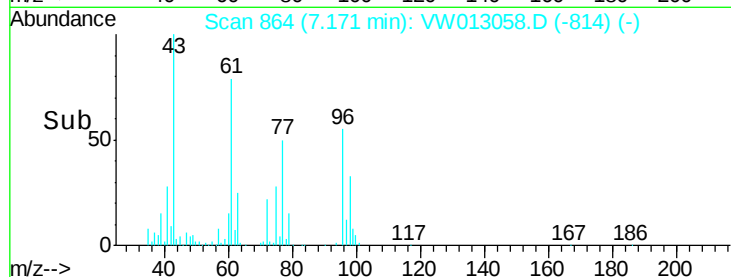
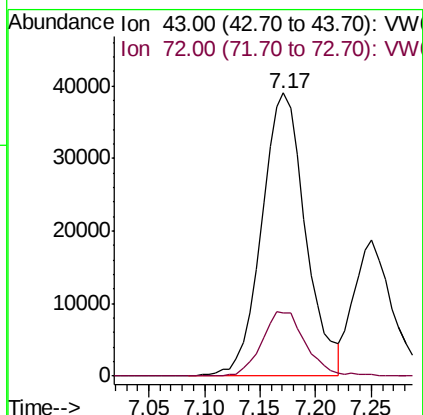
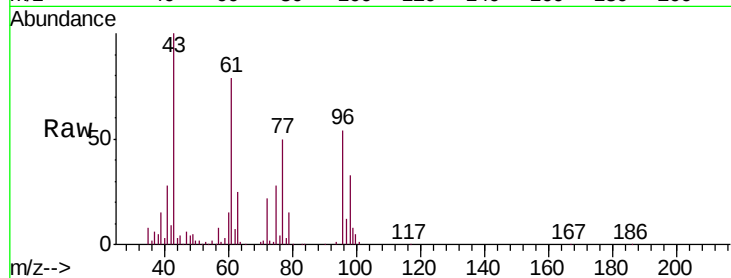
VW0916SBS02

Tgt Ion: 43 Resp: 107322

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.4



#26

2,2-Dichloropropane

Concen: 19.544 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013058.D

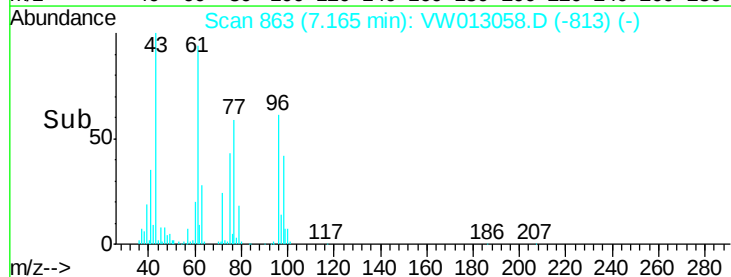
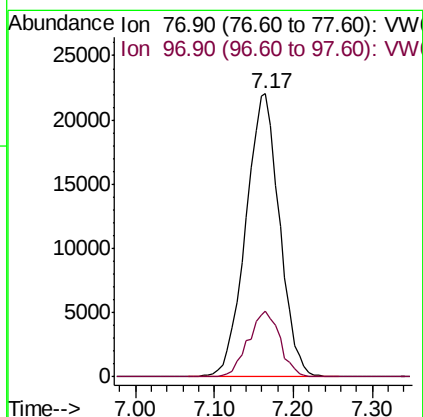
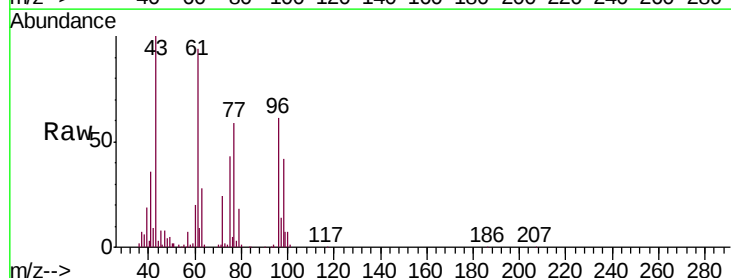
Acq: 17 Sep 2019 00:10

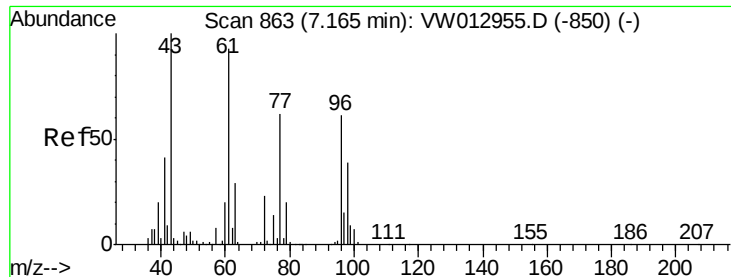
Tgt Ion: 77 Resp: 65393

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1



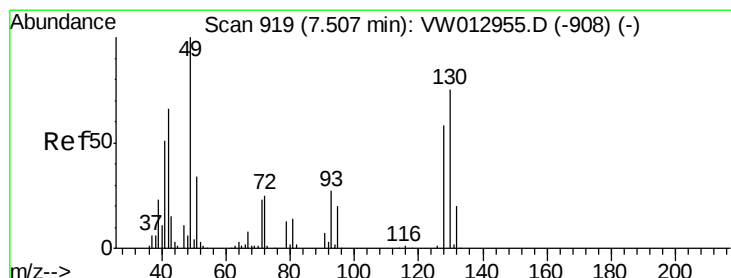
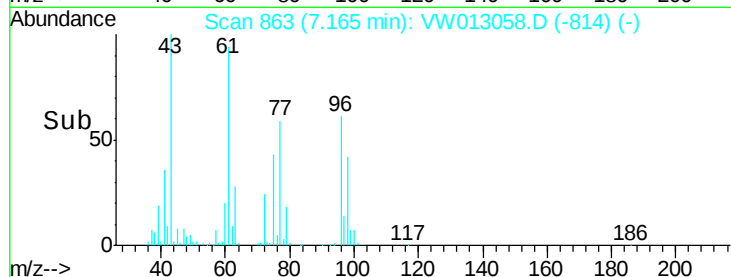
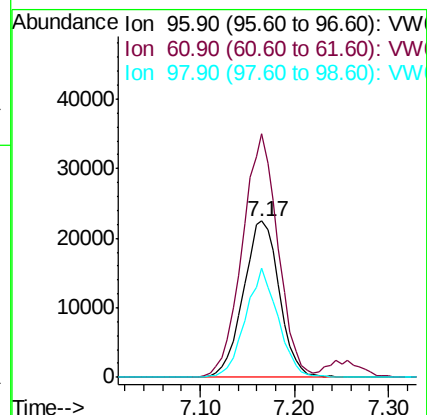
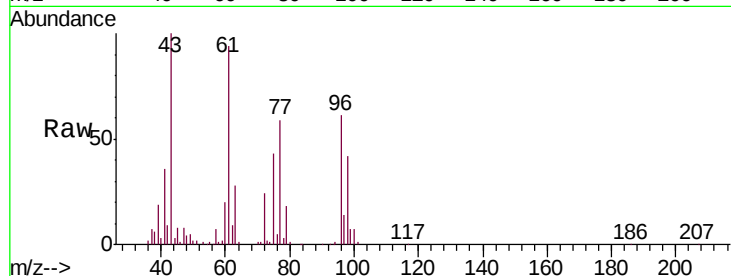


#27

cis-1,2-Dichloroethene
 Concen: 22.963 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

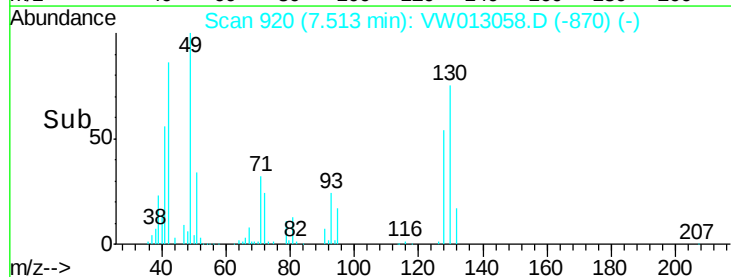
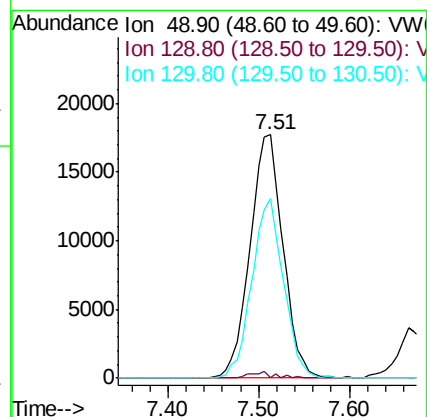
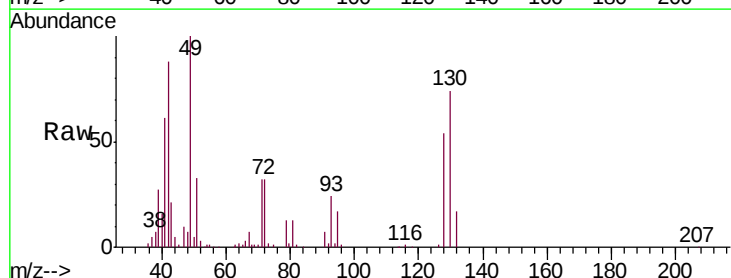
Tgt Ion: 96 Resp: 60142
 Ion Ratio Lower Upper
 96 100
 61 154.1 0.0 315.4
 98 63.3 0.0 131.0

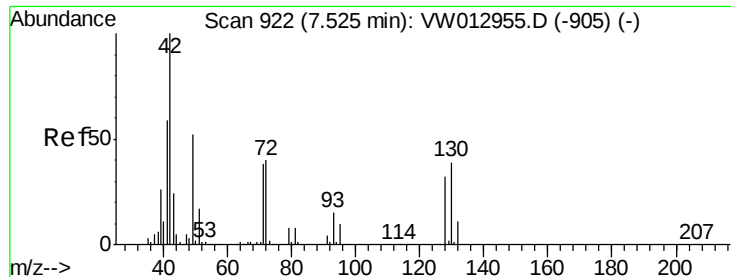


#28

Bromochloromethane
 Concen: 22.846 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 49 Resp: 44662
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 1.4#
 130 70.5 57.8 86.6

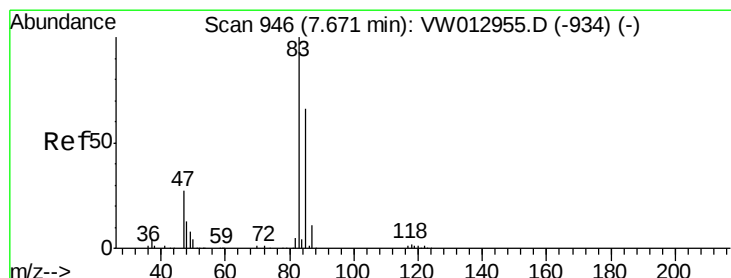
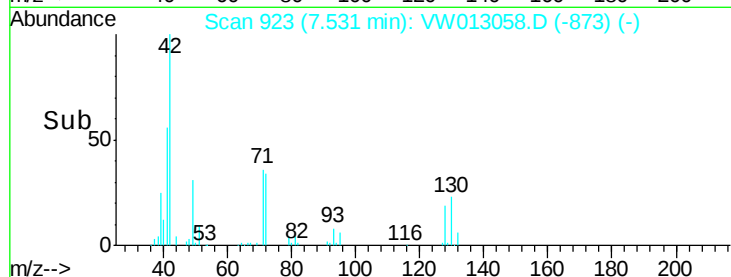
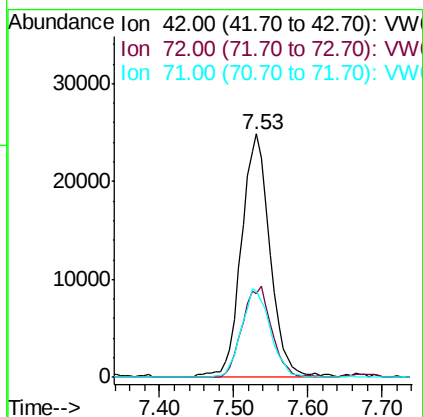
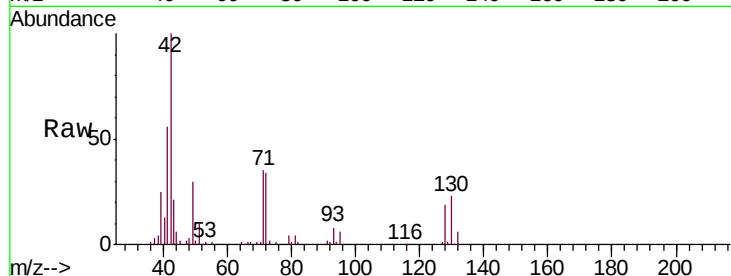




#29
Tetrahydrofuran
Concen: 136.214 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

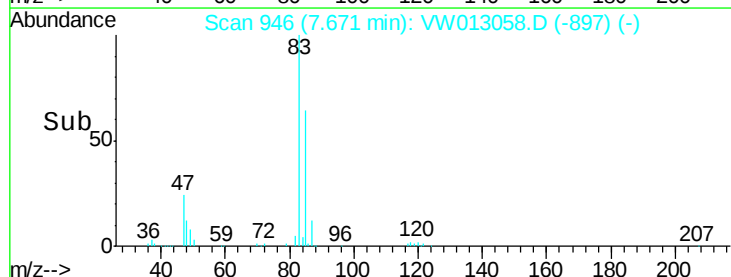
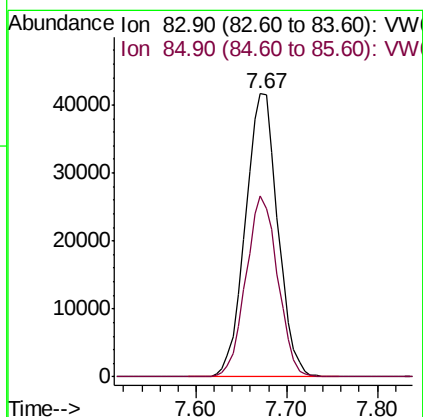
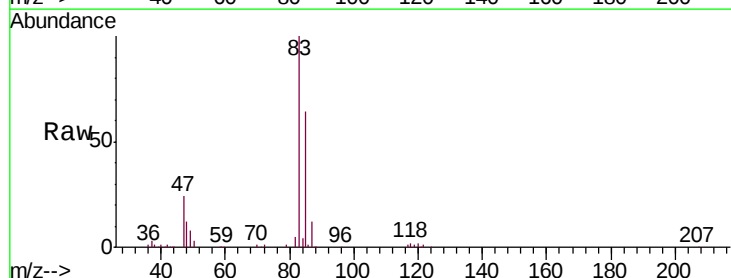
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

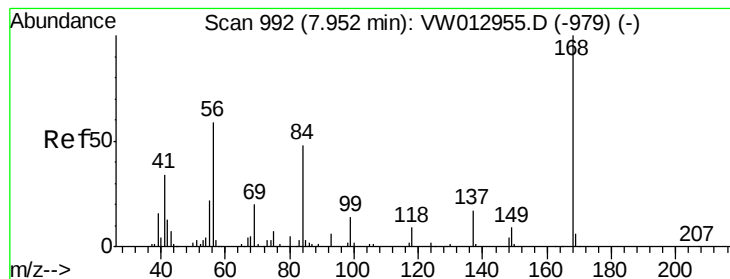
Tgt Ion: 42 Resp: 67446
Ion Ratio Lower Upper
42 100
72 38.3 31.4 47.0
71 36.5 29.8 44.8



#30
Chloroform
Concen: 21.843 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 83 Resp: 103082
Ion Ratio Lower Upper
83 100
85 64.1 52.8 79.2





#31

Cyclohexane

Concen: 22.869 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

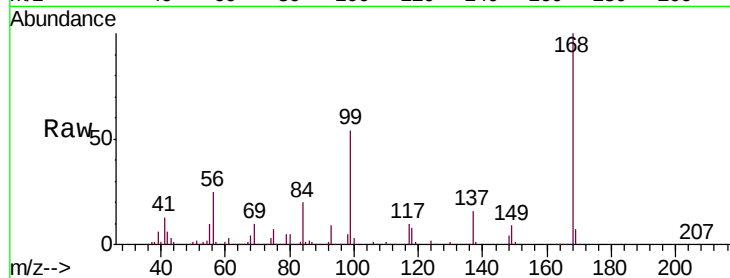
Tgt Ion: 56 Resp: 87776

Ion Ratio Lower Upper

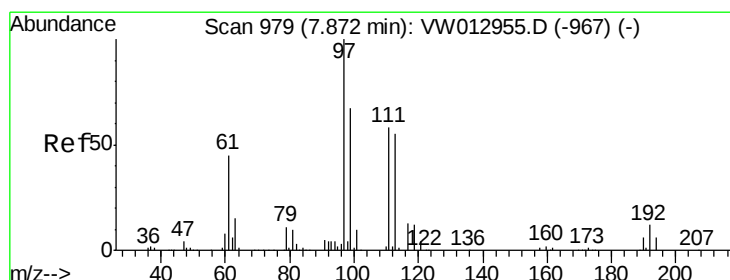
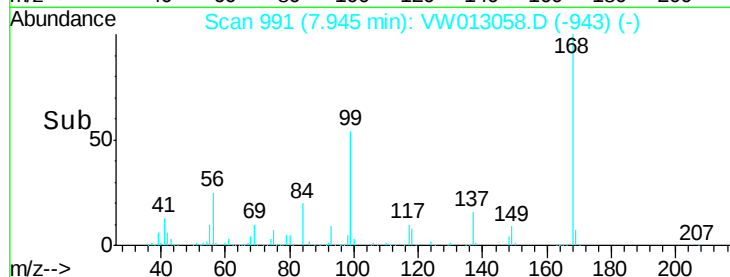
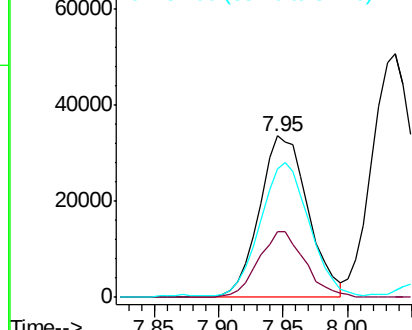
56 100

69 40.7 27.0 40.6#

84 78.4 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 20.974 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

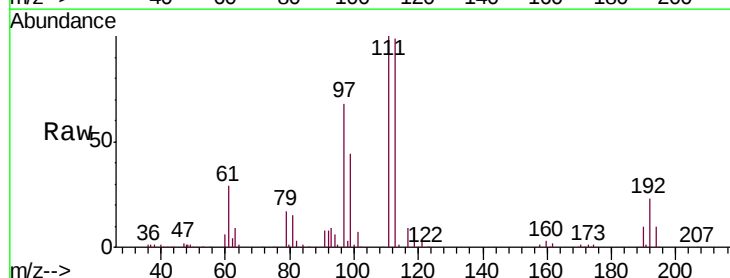
Tgt Ion: 97 Resp: 81513

Ion Ratio Lower Upper

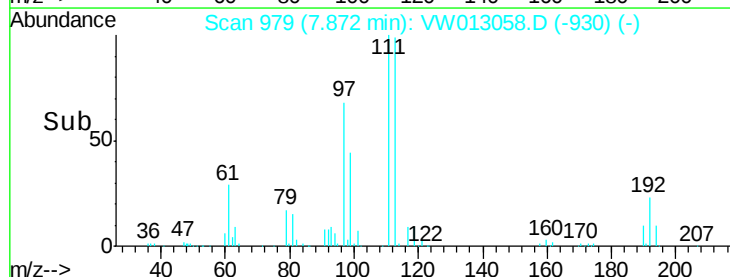
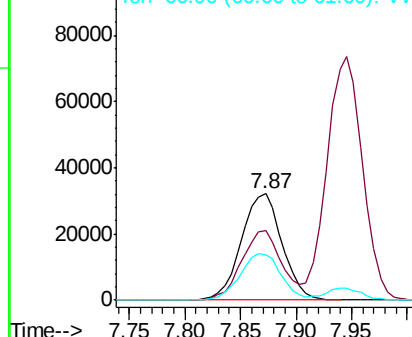
97 100

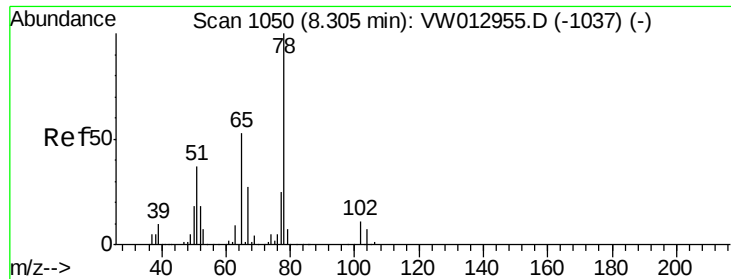
99 64.3 53.0 79.4

61 43.9 36.5 54.7



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

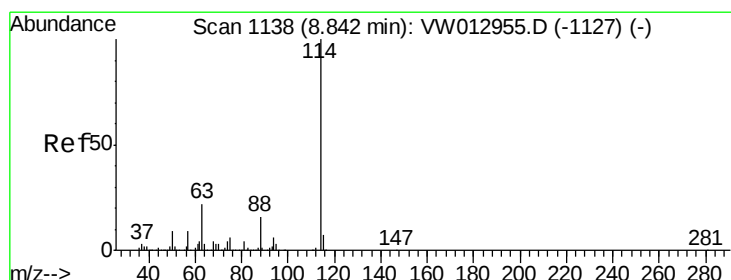
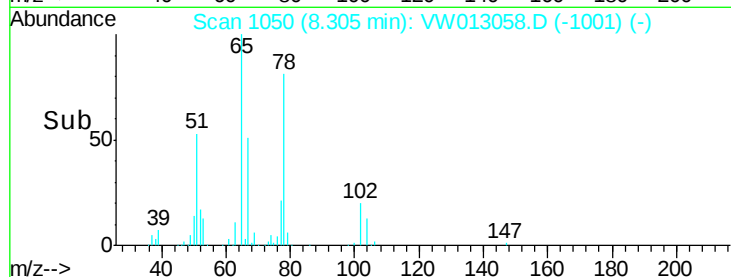
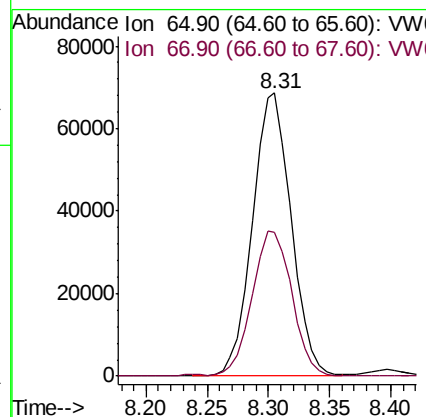
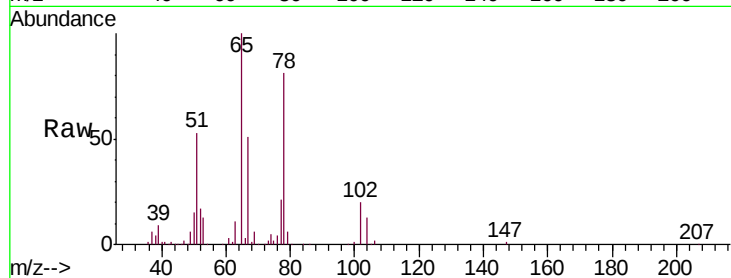




#33
 1,2-Dichloroethane-d4
 Concen: 55.256 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

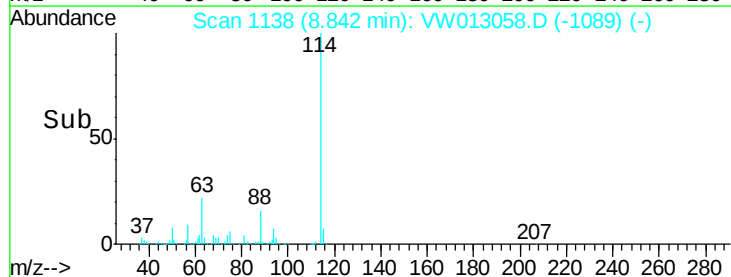
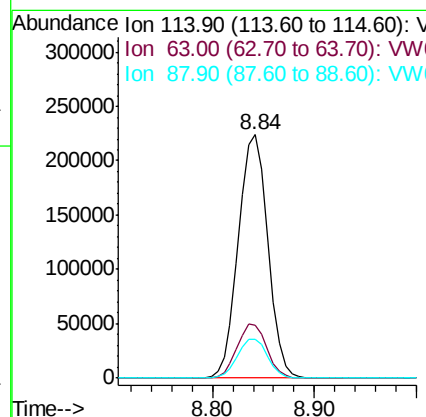
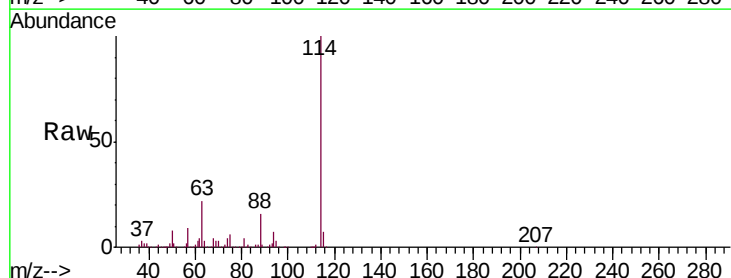
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

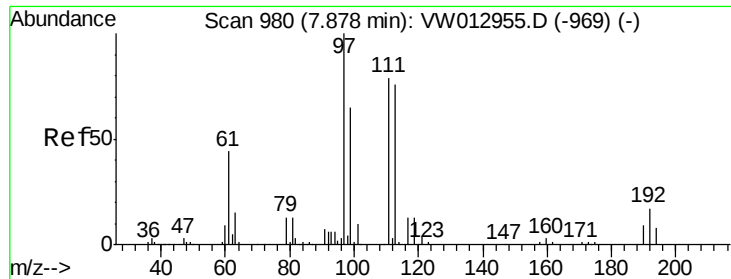
Tgt Ion: 65 Resp: 151010
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 114 Resp: 448458
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.0 0.0 31.6

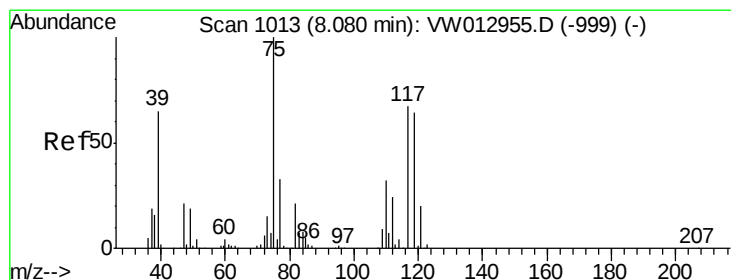
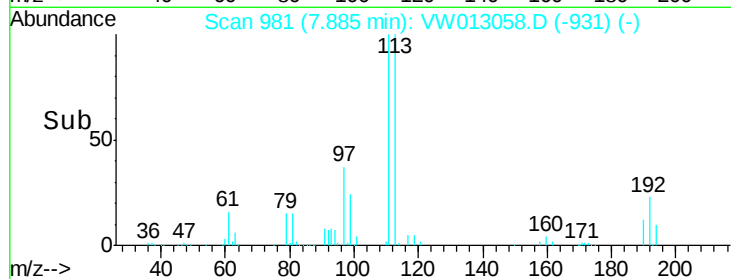
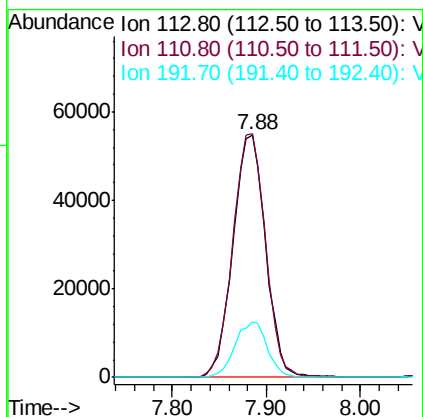
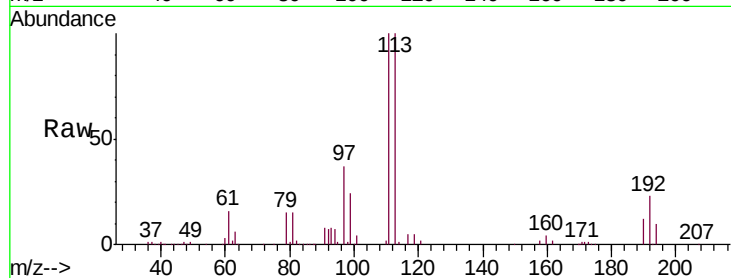




#35
 Dibromofluoromethane
 Concen: 53.867 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

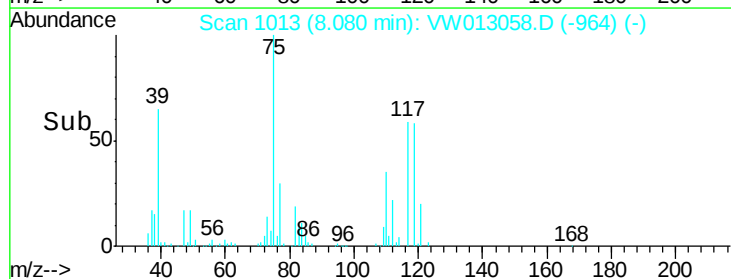
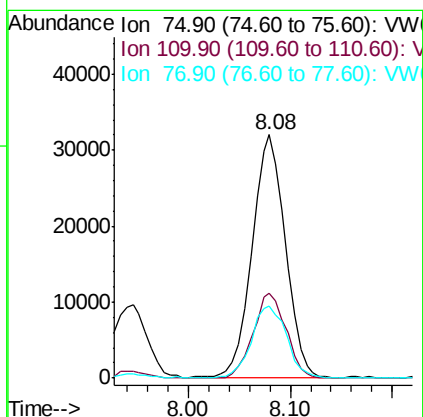
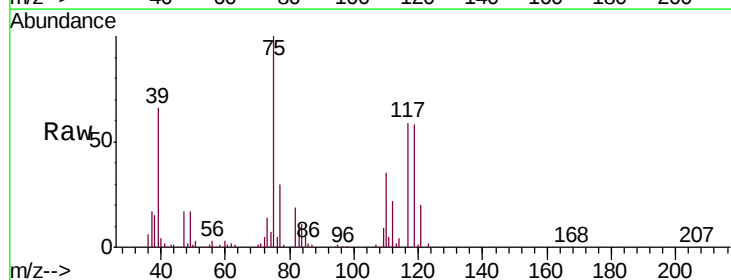
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

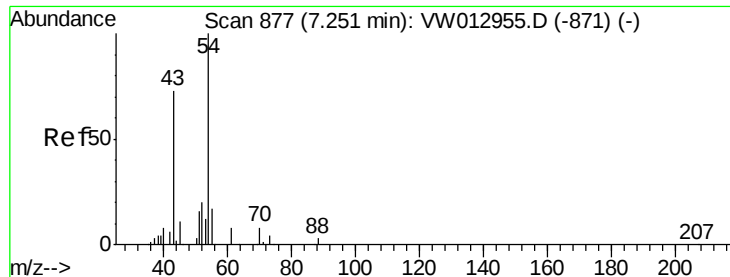
Tgt Ion: 113 Resp: 131079
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 22.7 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 20.210 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 75 Resp: 72424
 Ion Ratio Lower Upper
 75 100
 110 34.8 16.4 49.1
 77 31.5 25.1 37.7

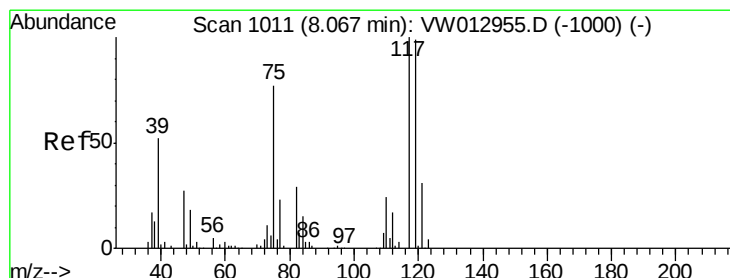
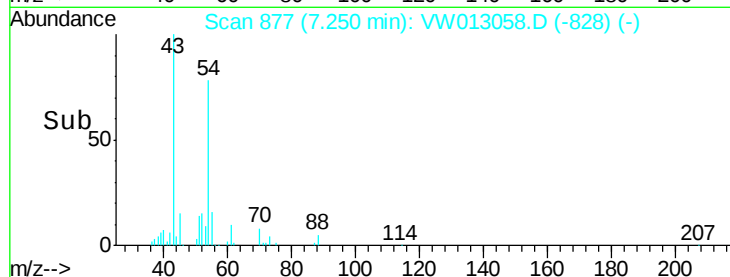
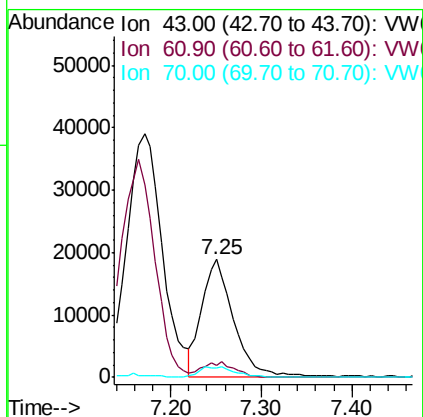
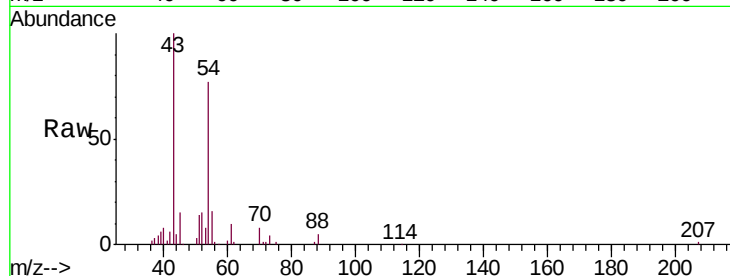




#37
Ethyl Acetate
Concen: 24.163 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

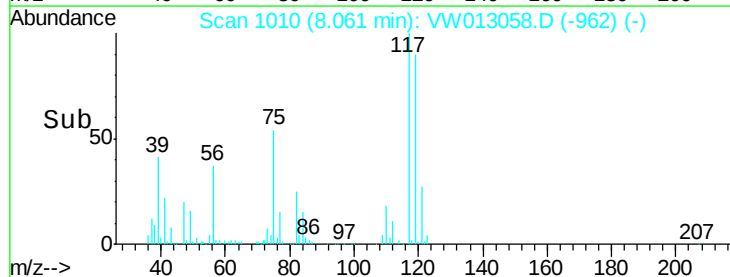
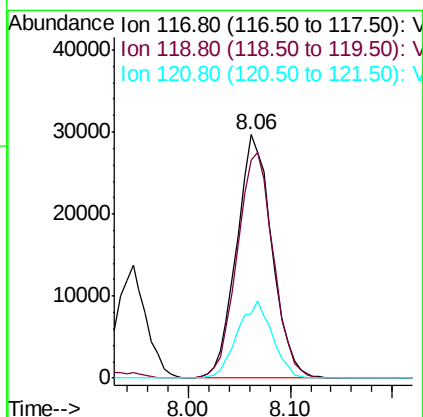
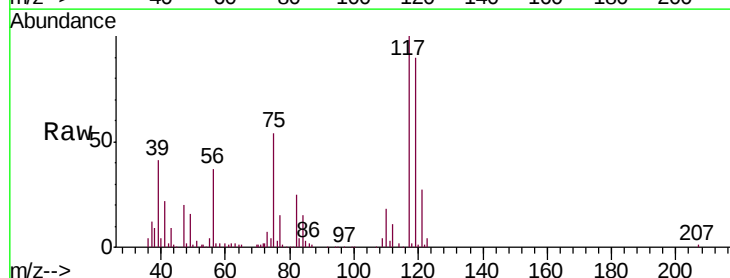
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

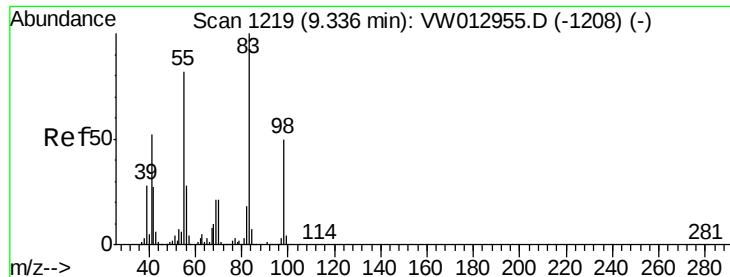
Tgt Ion: 43 Resp: 45960
Ion Ratio Lower Upper
43 100
61 13.4 9.6 14.4
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 117 Resp: 71411
Ion Ratio Lower Upper
117 100
119 89.7 79.4 119.0
121 26.6 24.6 36.8

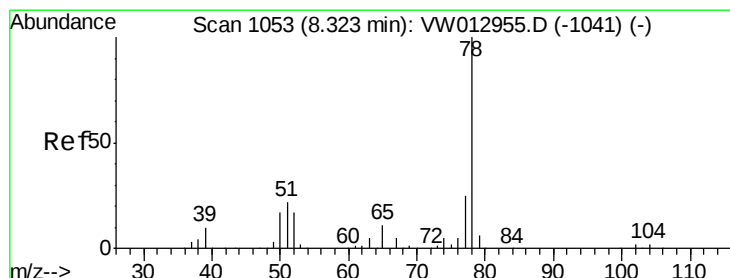
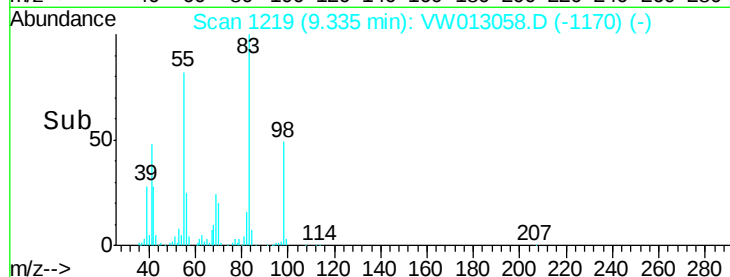
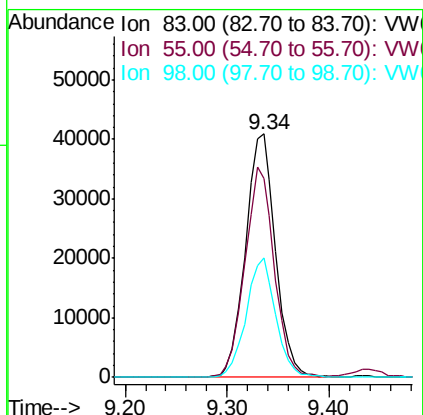
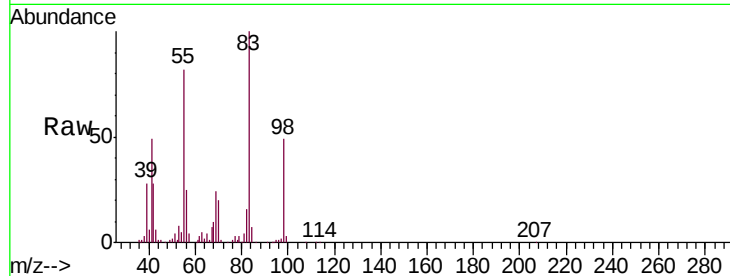




#39
Methylcyclohexane
Concen: 21.322 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

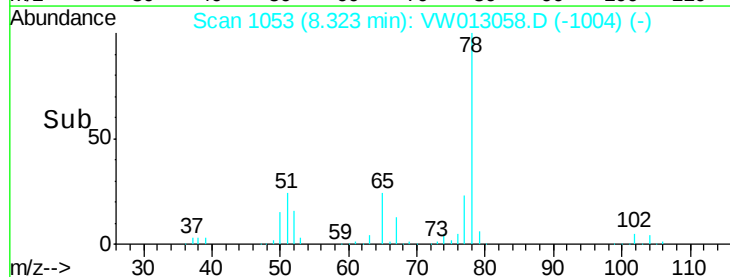
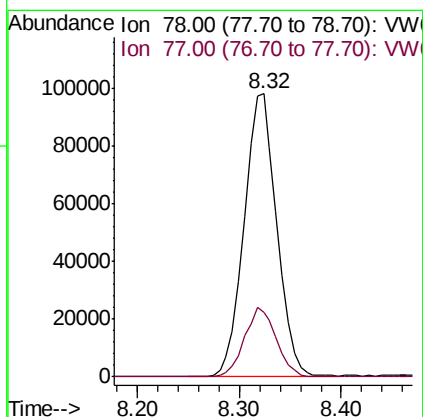
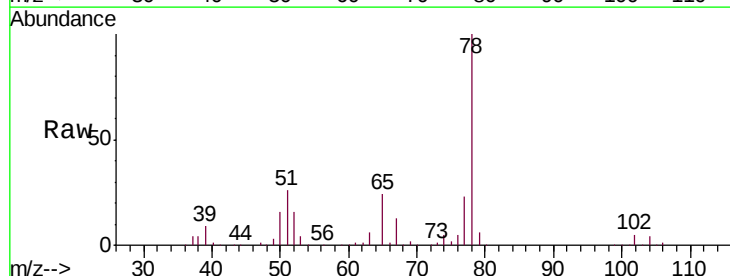
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tgt Ion: 83 Resp: 83726
Ion Ratio Lower Upper
83 100
55 81.9 65.9 98.9
98 49.0 39.6 59.4



#40
Benzene
Concen: 21.854 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 78 Resp: 218626
Ion Ratio Lower Upper
78 100
77 23.0 19.6 29.4





#41

Methacrylonitrile

Concen: 21.917 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tgt Ion: 41 Resp: 27453

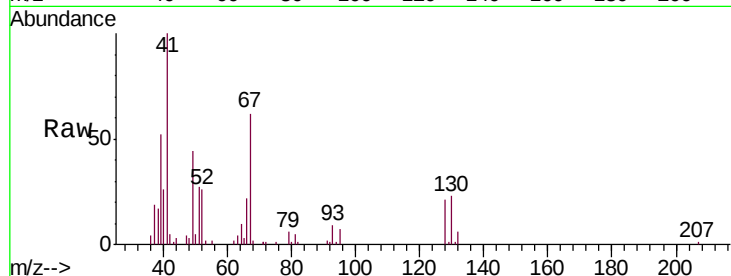
Ion Ratio Lower Upper

41 100

39 52.3 48.2 72.4

67 66.7 47.5 71.3

52 28.3 21.0 31.4

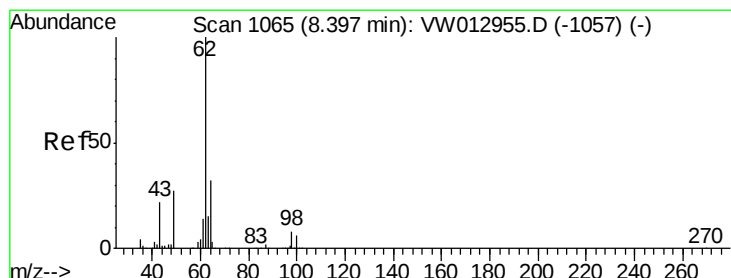
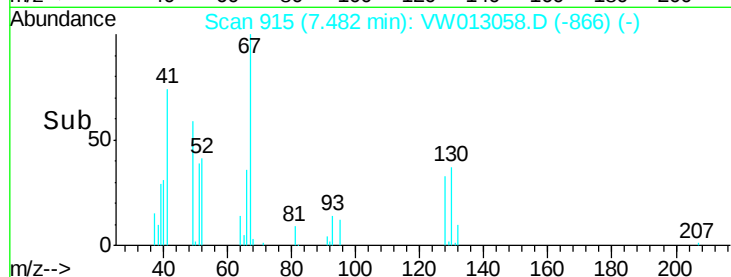
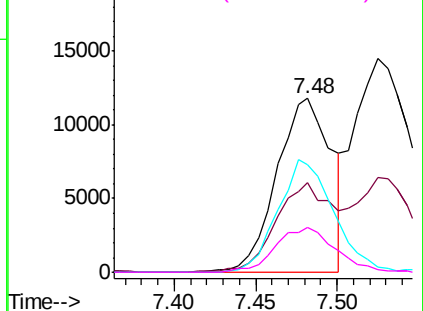


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.829 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013058.D

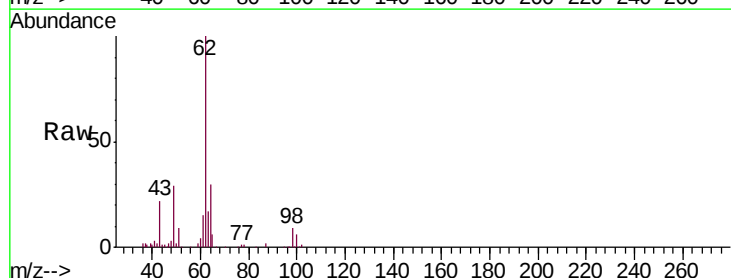
Acq: 17 Sep 2019 00:10

Tgt Ion: 62 Resp: 69851

Ion Ratio Lower Upper

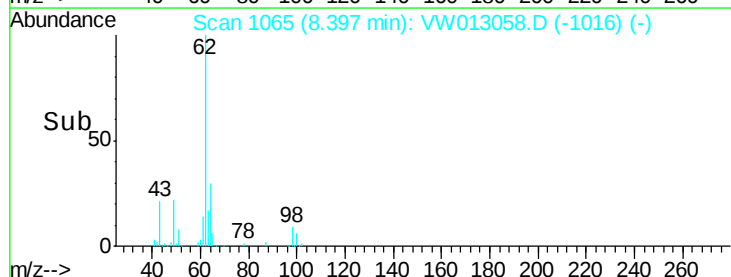
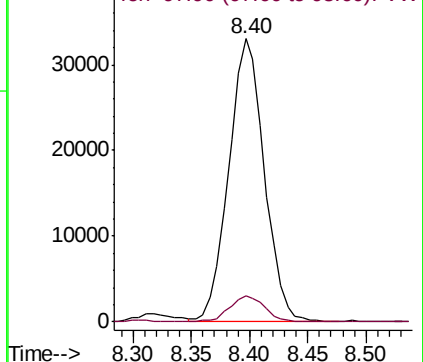
62 100

98 9.2 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: 23.755 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

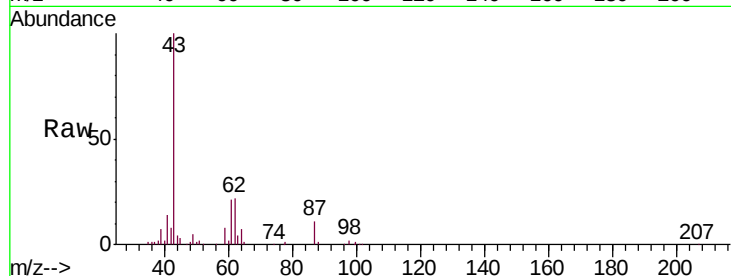
Tgt Ion: 43 Resp: 86757

Ion Ratio Lower Upper

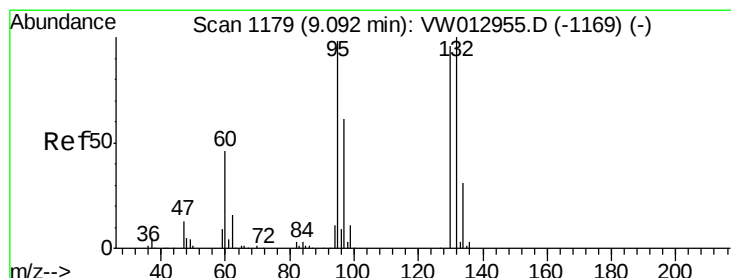
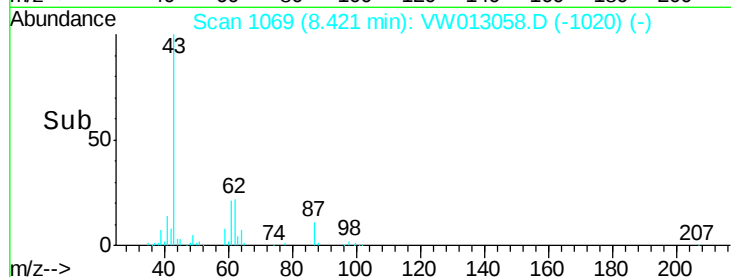
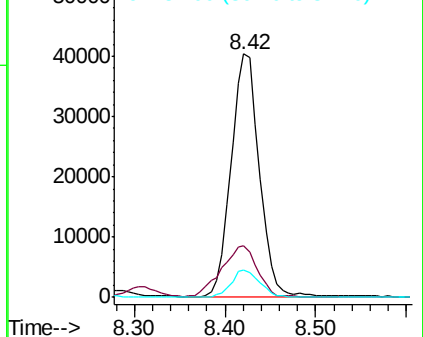
43 100

61 26.9 22.7 34.1

87 11.4 9.4 14.2



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



#44

Trichloroethene

Concen: 21.318 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013058.D

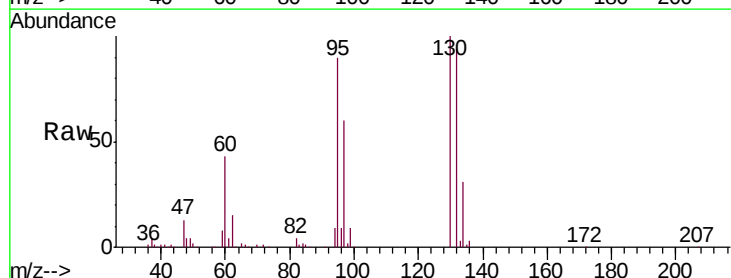
Acq: 17 Sep 2019 00:10

Tgt Ion: 130 Resp: 58417

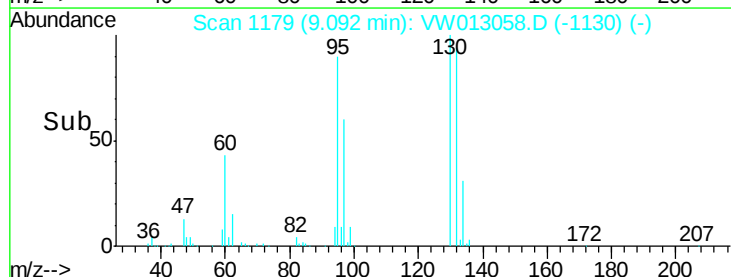
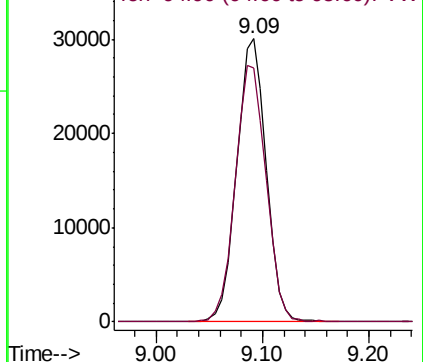
Ion Ratio Lower Upper

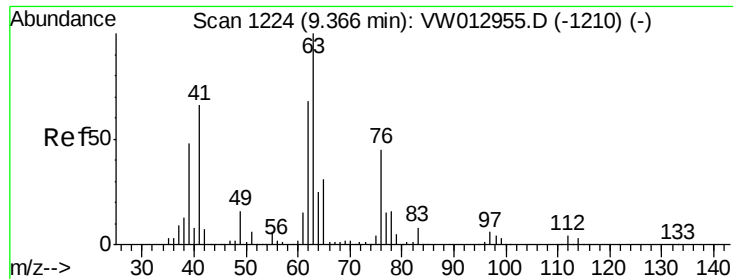
130 100

95 89.9 0.0 204.4



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

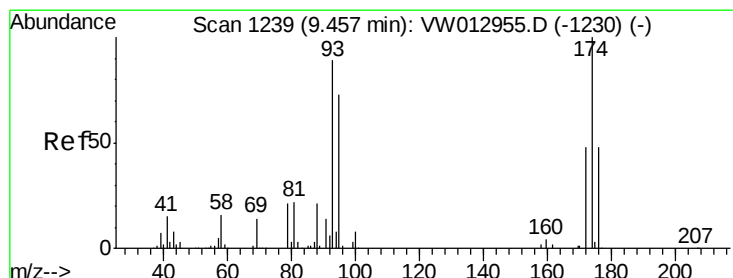
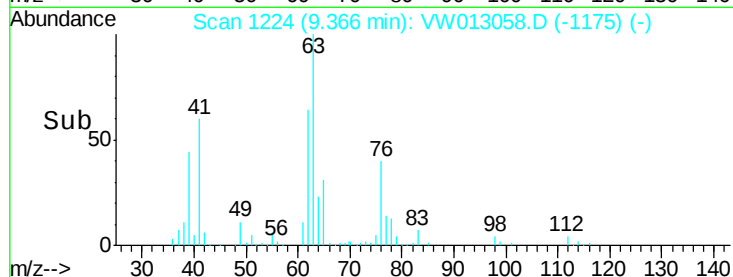
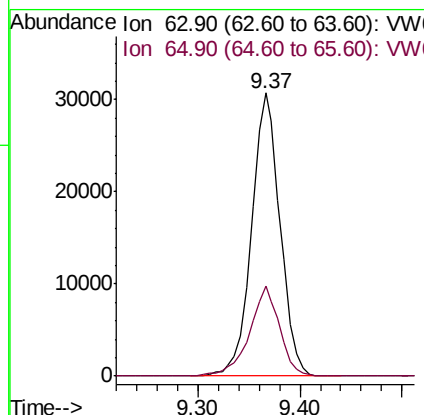
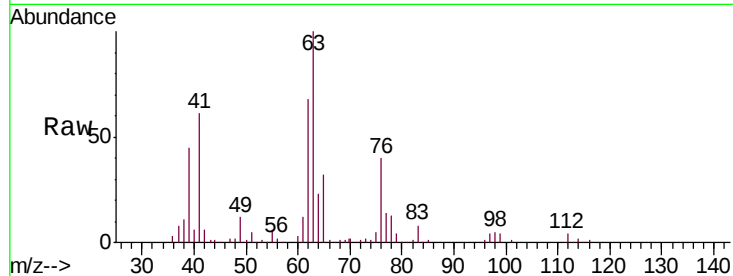




#45
 1,2-Dichloropropane
 Concen: 22.503 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

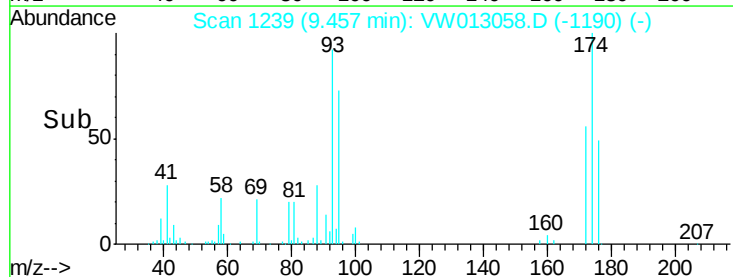
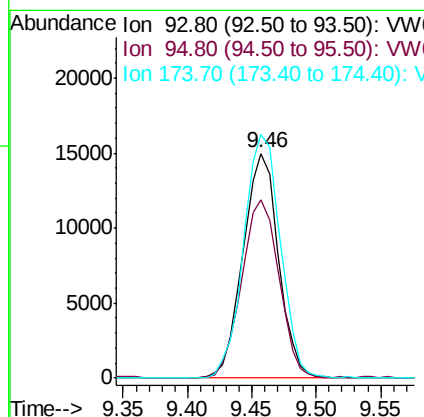
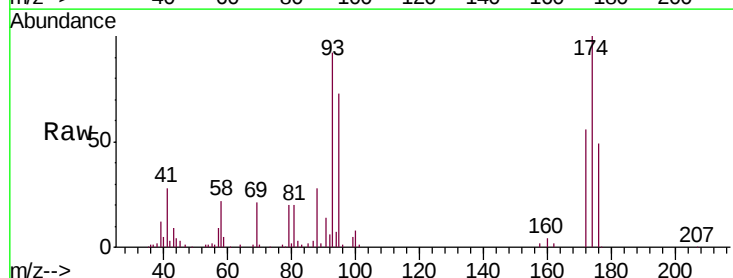
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

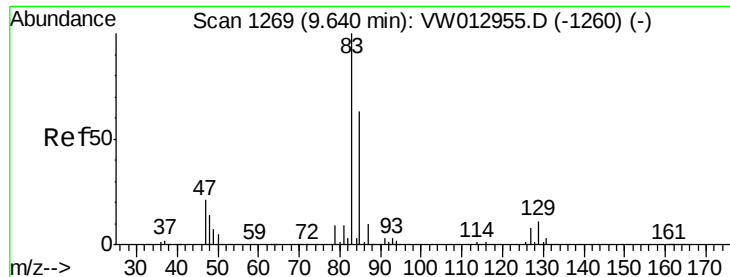
Tgt Ion: 63 Resp: 59811
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0



#46
 Dibromomethane
 Concen: 22.415 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 93 Resp: 28543
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 112.0 90.5 135.7

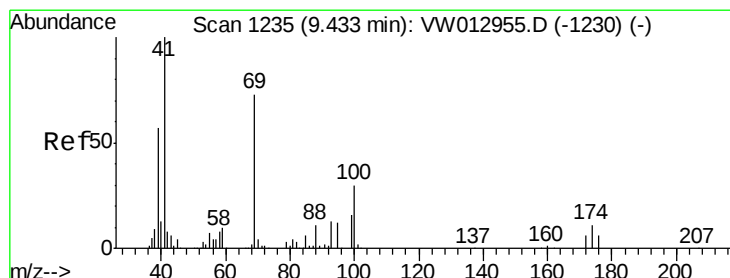
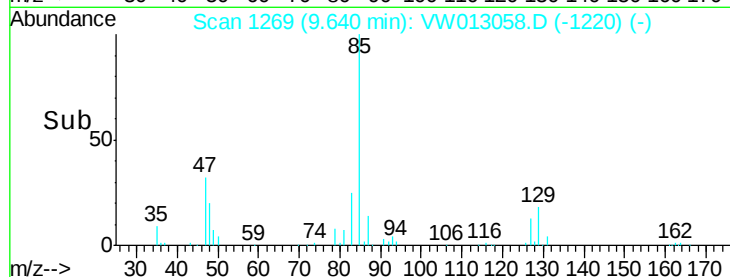
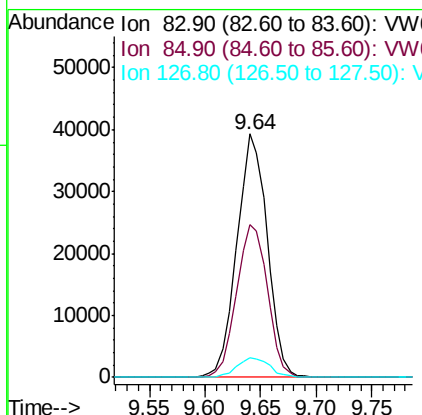
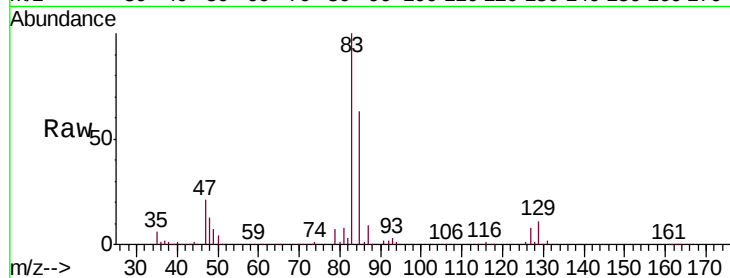




#47
 Bromodichloromethane
 Concen: 20.791 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

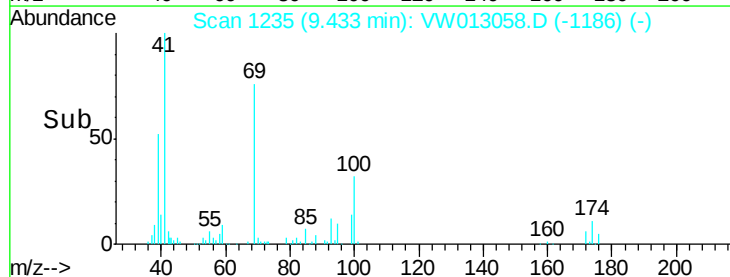
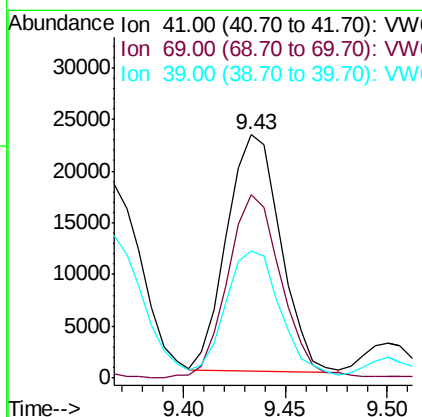
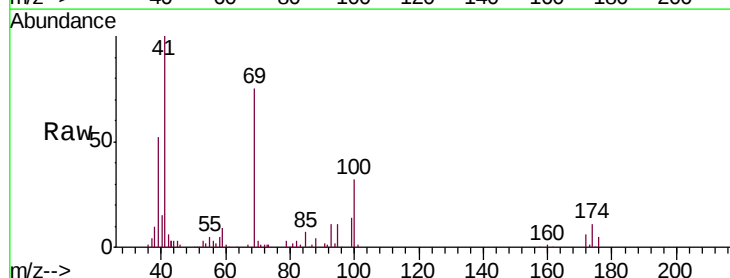
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

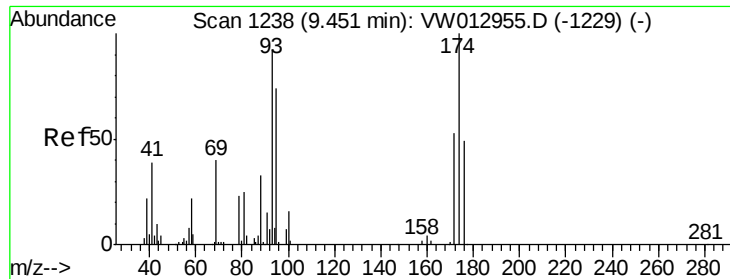
Tgt Ion: 83 Resp: 74264
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.6 75.8
 127 8.0 6.7 10.1



#48
 Methyl methacrylate
 Concen: 24.390 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 41 Resp: 41804
 Ion Ratio Lower Upper
 41 100
 69 76.7 62.8 94.2
 39 55.8 48.5 72.7

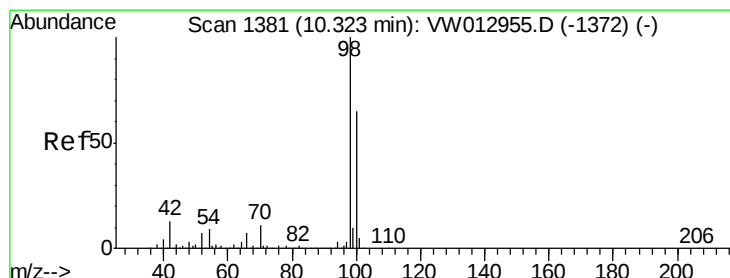
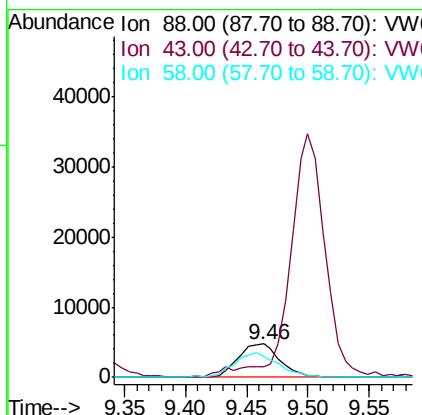
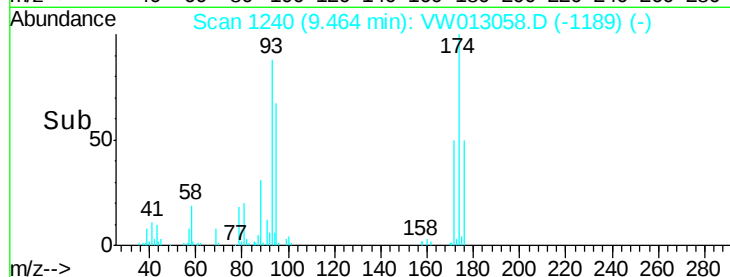
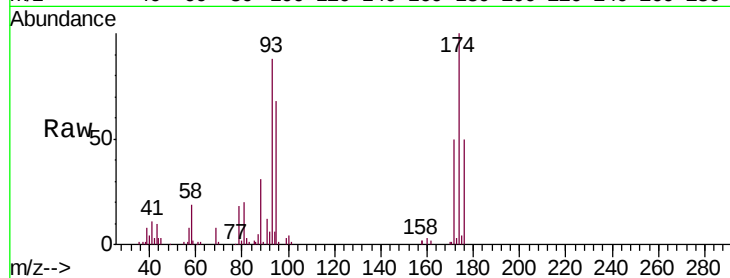




#49
 1,4-Dioxane
 Concen: 531.407 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

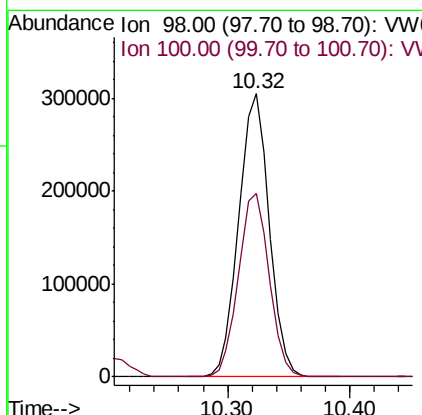
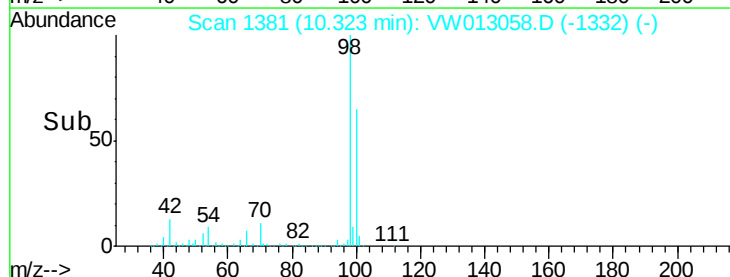
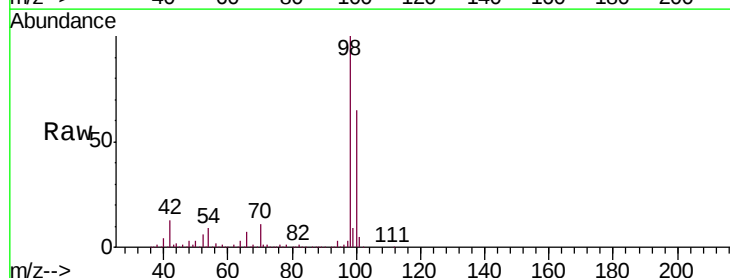
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

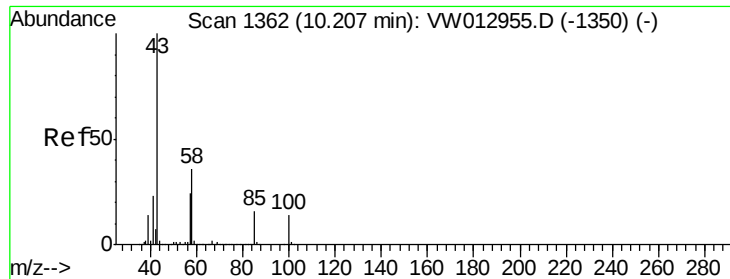
Tgt Ion: 88 Resp: 11339
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.3 46.9#
 58 78.4 60.2 90.2



#50
 Toluene-d8
 Concen: 55.286 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 98 Resp: 526443
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.1 78.1

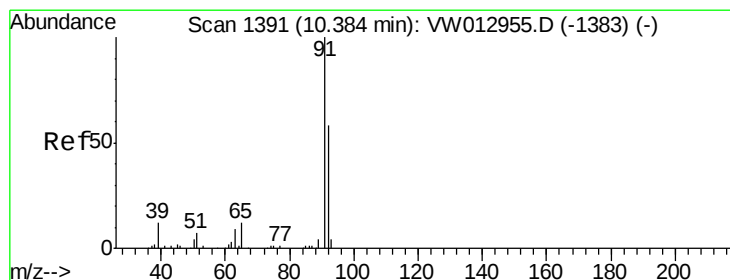
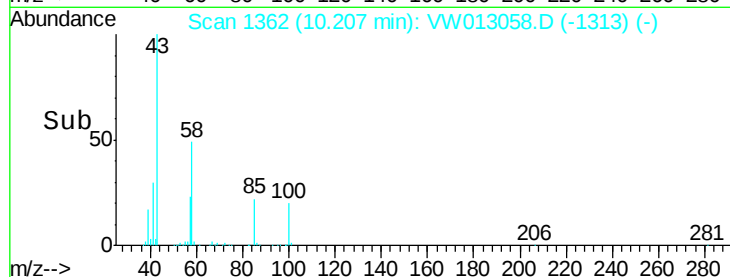
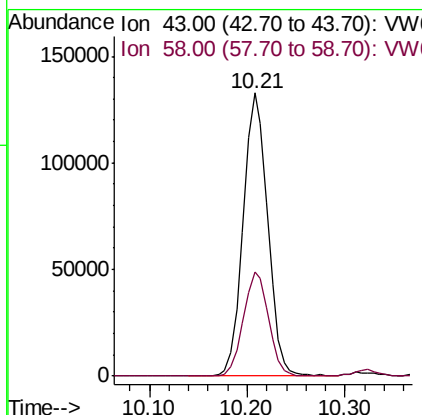
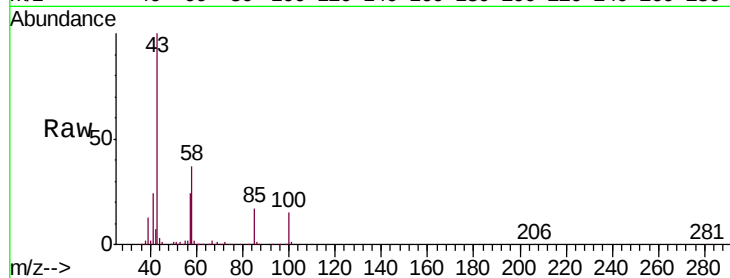




#51
 4-Methyl-2-Pentanone
 Concen: 122.312 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

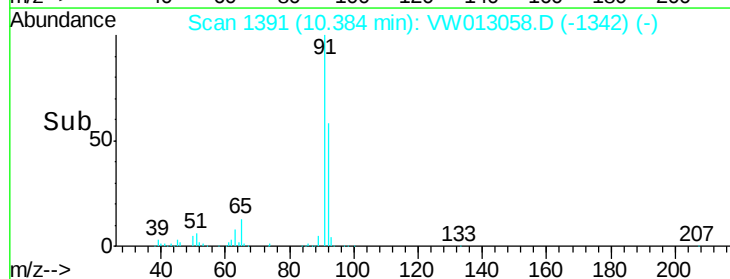
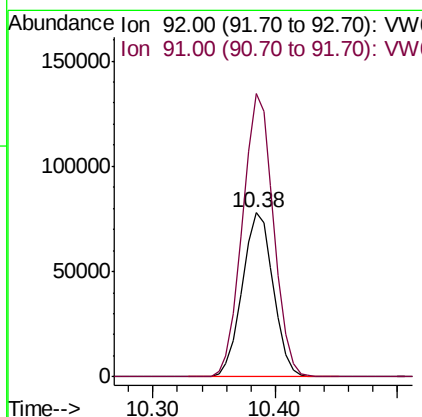
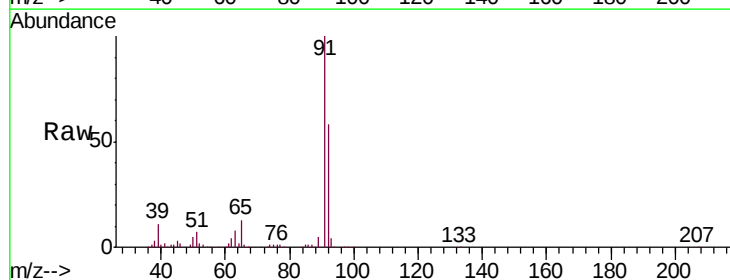
Instrument :
 MSVOA_W
 ClientSampled :
 VW0916SBS02

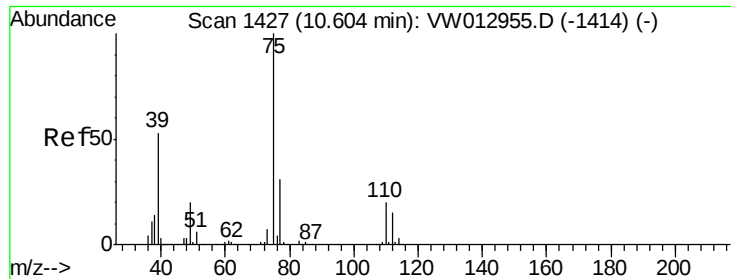
Tgt Ion: 43 Resp: 230620
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.5 44.3



#52
 Toluene
 Concen: 21.553 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 92 Resp: 137013
 Ion Ratio Lower Upper
 92 100
 91 172.6 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 20.728 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

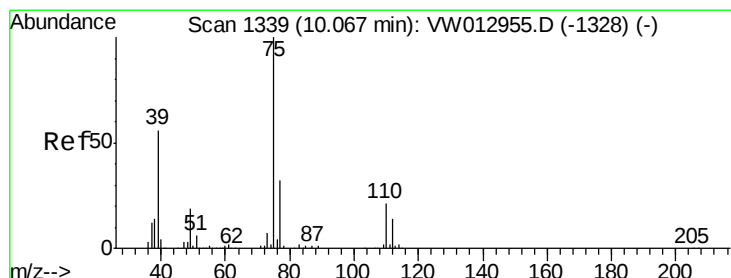
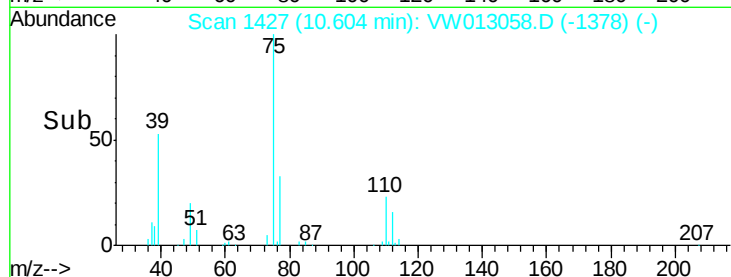
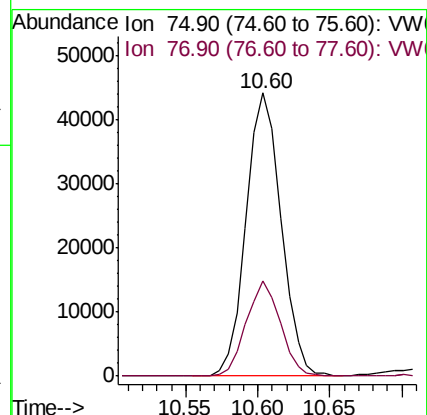
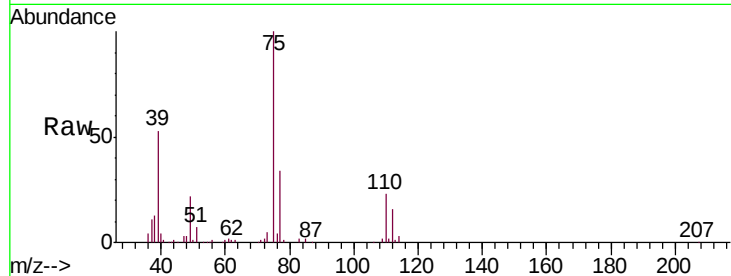
VW0916SBS02

Tgt Ion: 75 Resp: 74462

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 21.350 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

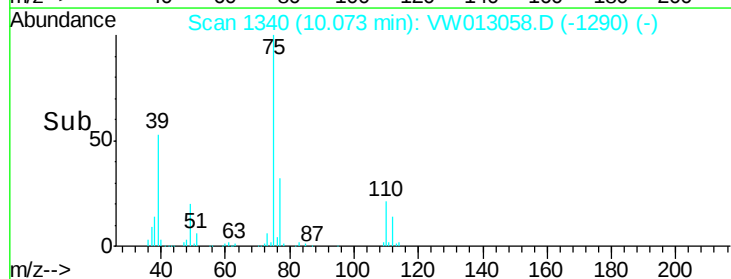
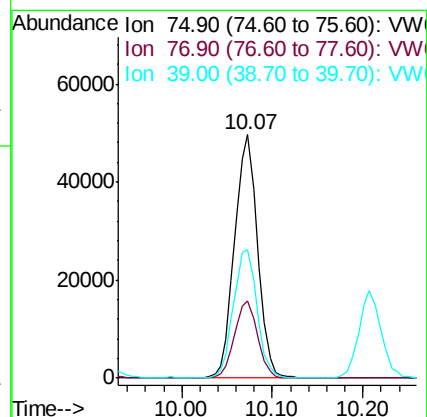
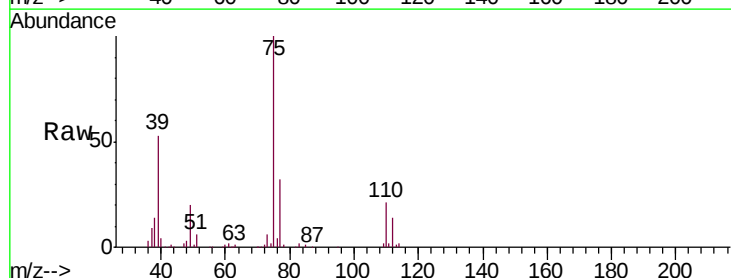
Tgt Ion: 75 Resp: 87755

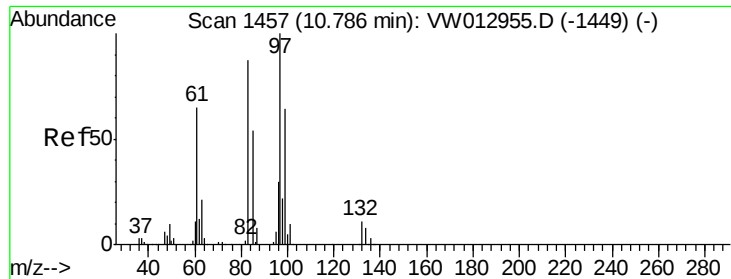
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 53.0 45.0 67.6

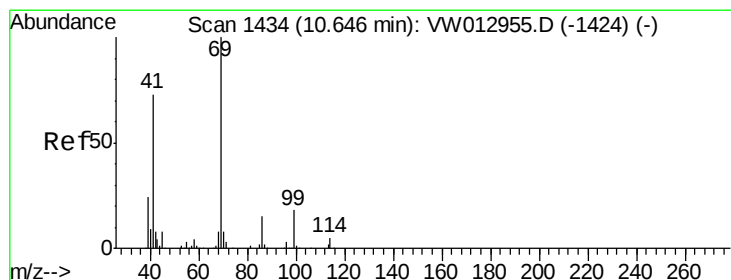
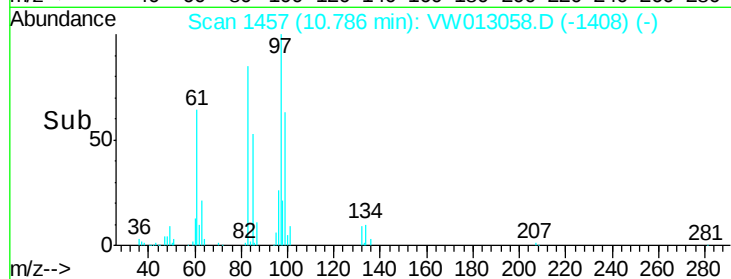
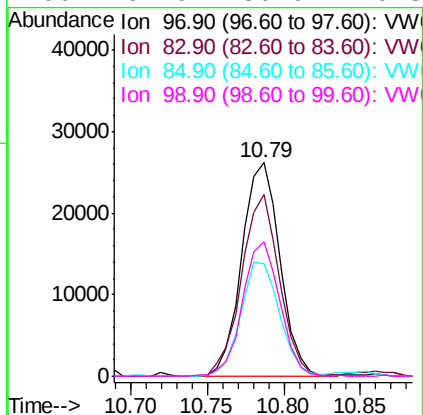
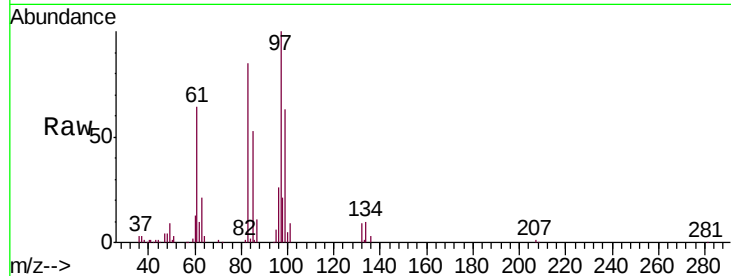




#55
 1,1,2-Trichloroethane
 Concen: 23.270 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

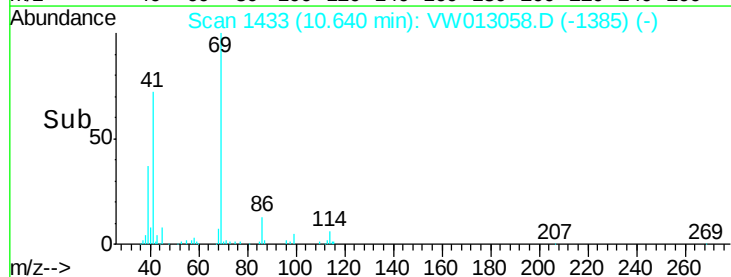
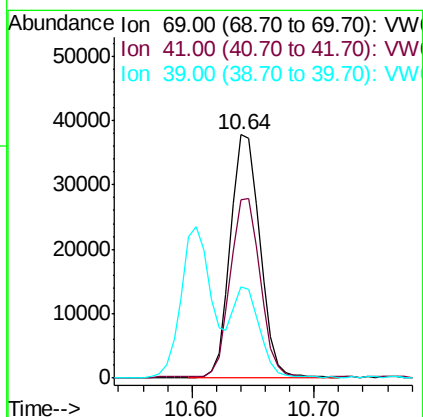
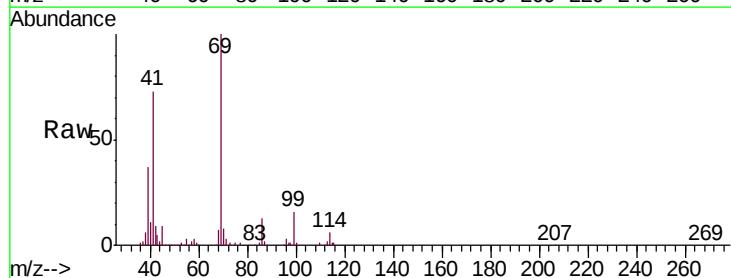
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

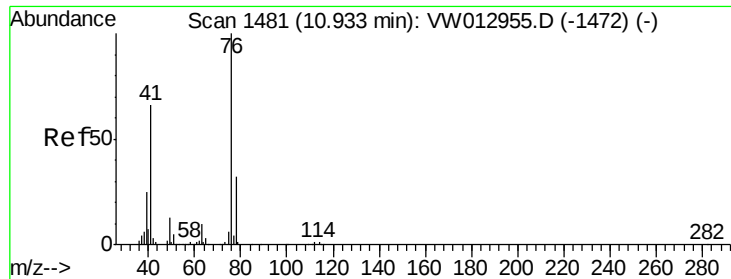
Tgt Ion:	97	Resp:	45142
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.4	104.0
85	53.2	43.3	64.9
99	62.9	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 24.411 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion:	69	Resp:	63742
Ion	Ratio	Lower	Upper
69	100		
41	73.5	60.8	91.2
39	33.0	29.4	44.0

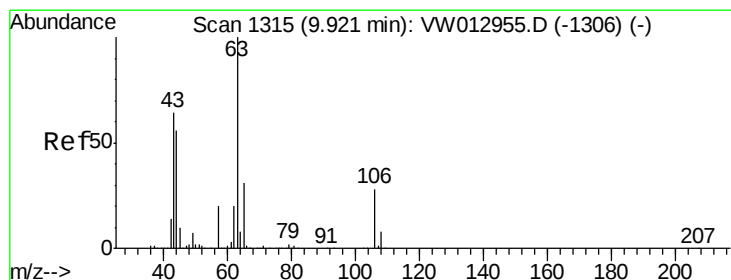
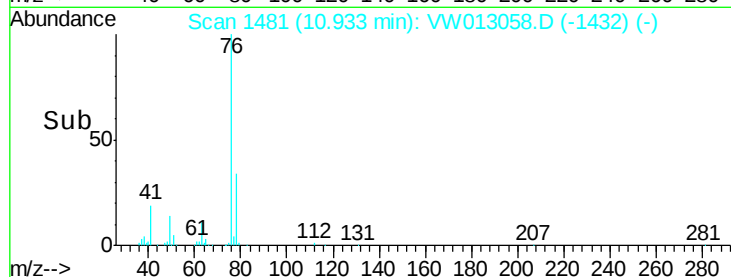
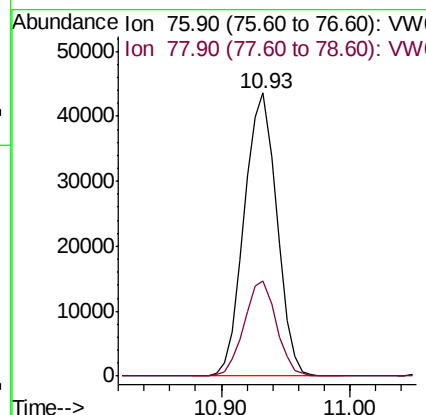
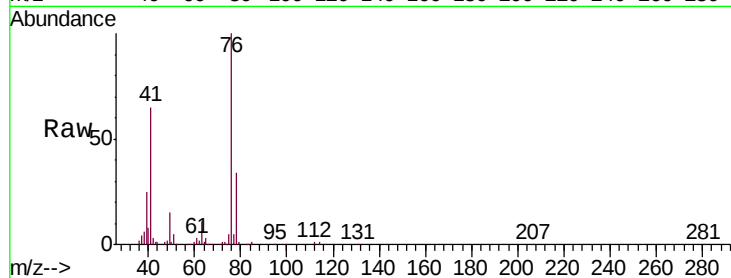




#57
 1,3-Dichloropropane
 Concen: 22.192 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

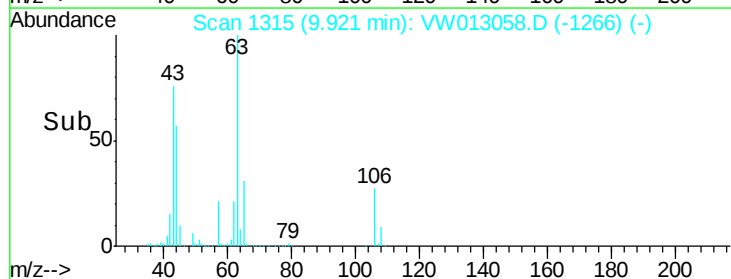
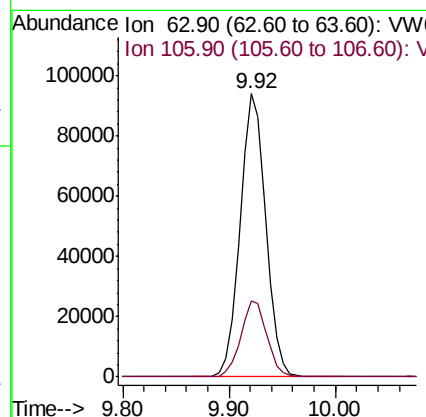
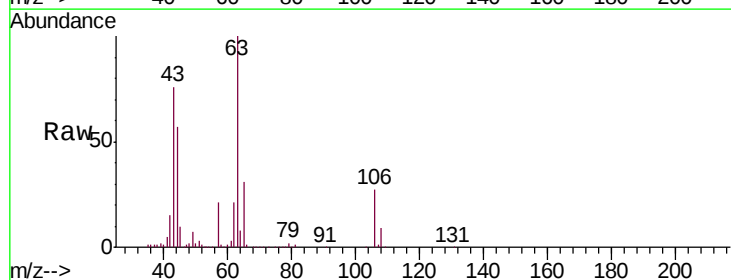
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

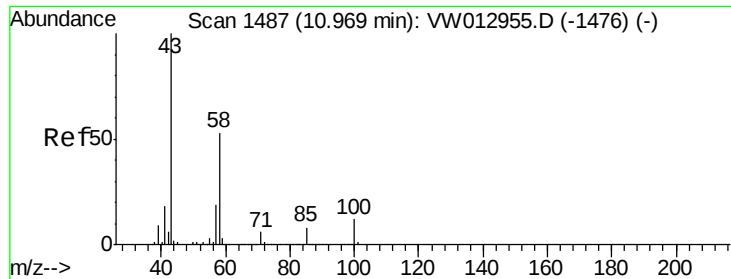
Tgt Ion: 76 Resp: 76369
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.615 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 63 Resp: 159142
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.2 33.2





#59

2-Hexanone

Concen: 119.648 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

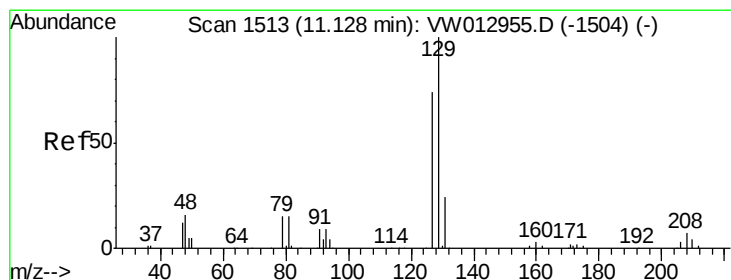
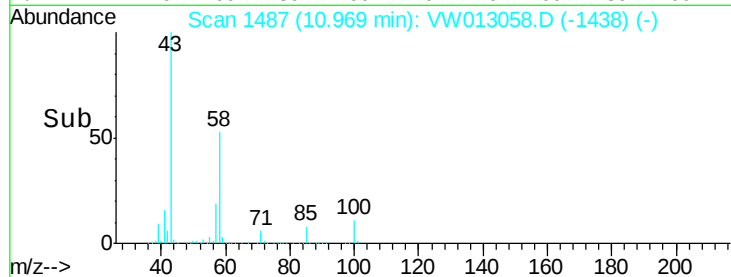
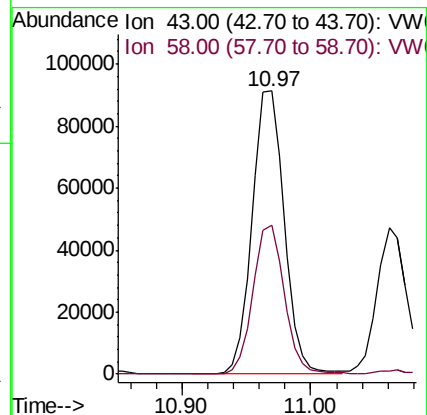
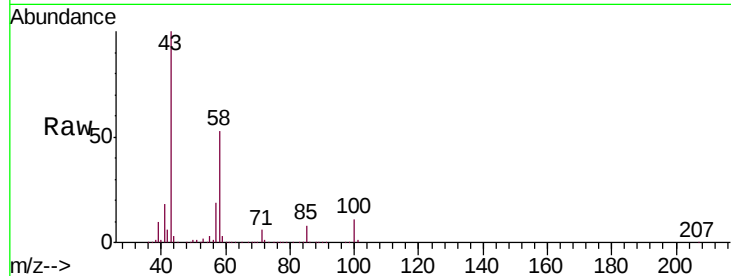
VW0916SBS02

Tgt Ion: 43 Resp: 157086

Ion Ratio Lower Upper

43 100

58 51.4 25.8 77.3



#60

Dibromochloromethane

Concen: 20.895 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013058.D

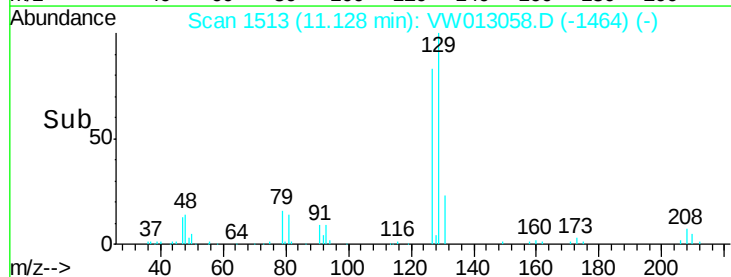
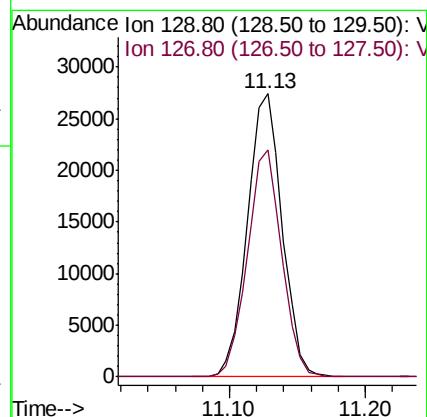
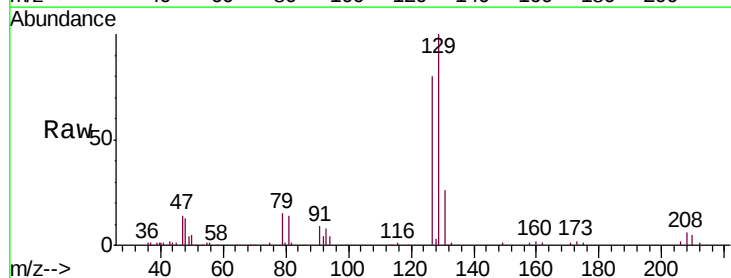
Acq: 17 Sep 2019 00:10

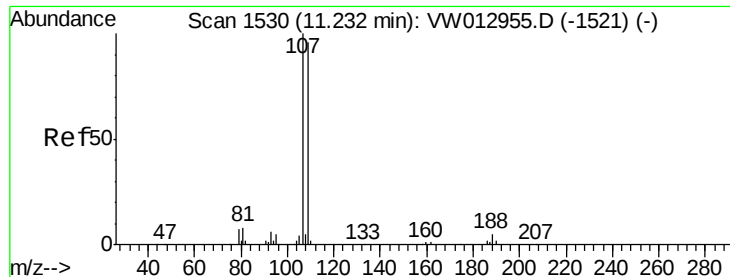
Tgt Ion: 129 Resp: 49006

Ion Ratio Lower Upper

129 100

127 79.0 37.4 112.2

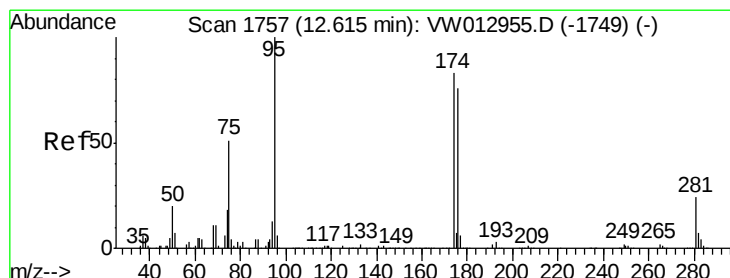
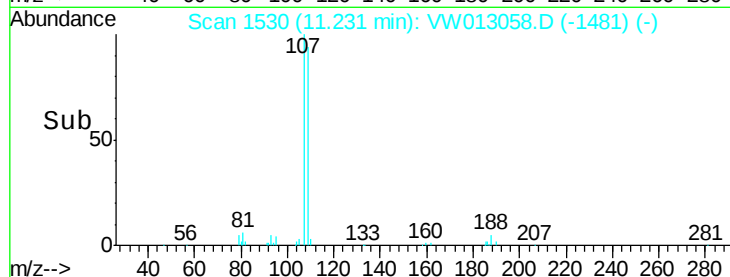
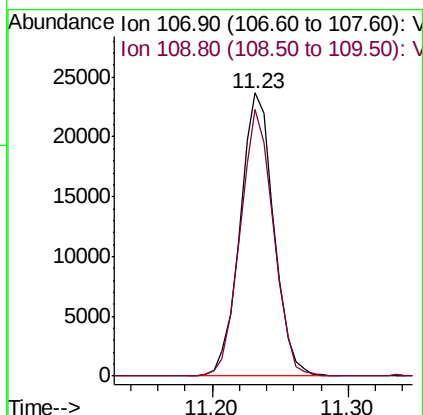
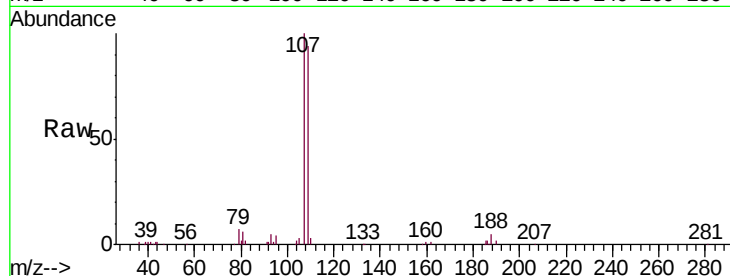




#61
 1,2-Dibromoethane
 Concen: 23.125 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

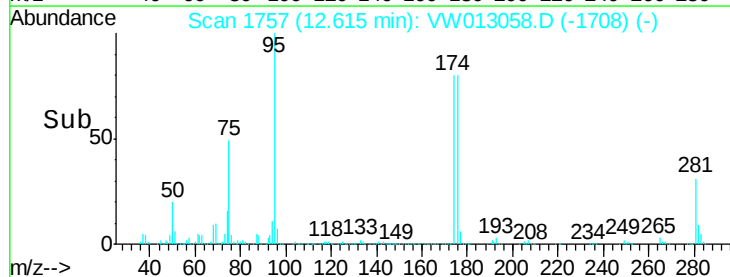
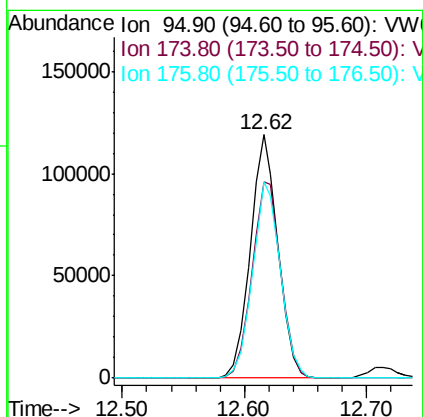
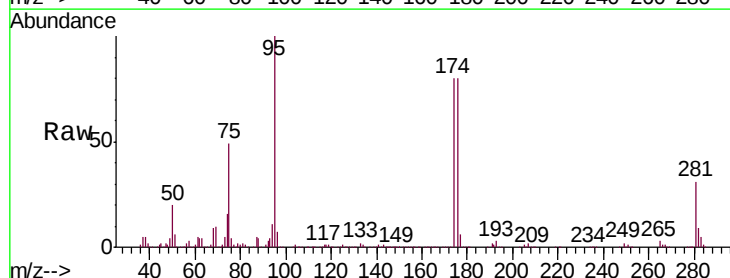
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

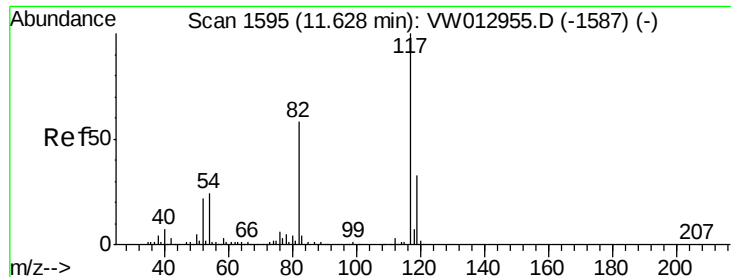
Tgt Ion: 107 Resp: 40924
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.498 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion: 95 Resp: 186597
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 170.4
 176 81.6 0.0 164.6

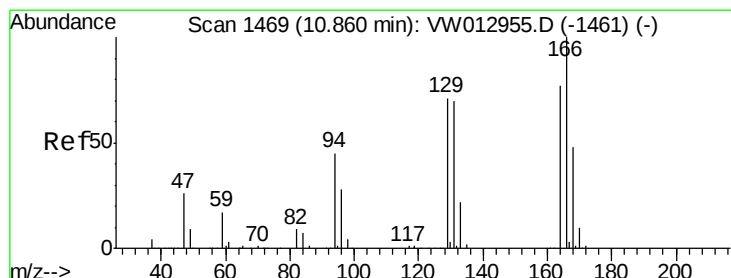
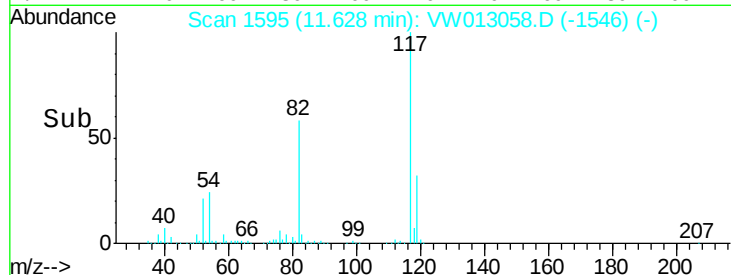
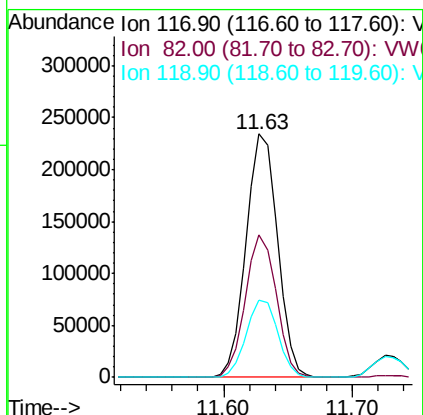
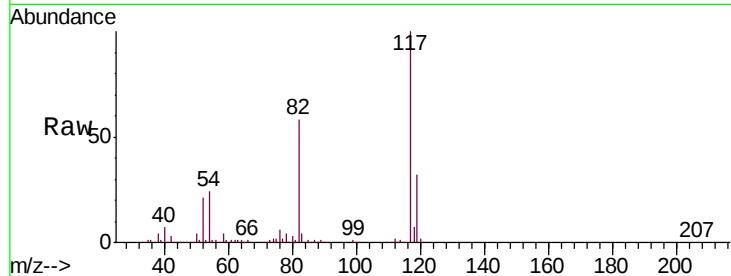




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

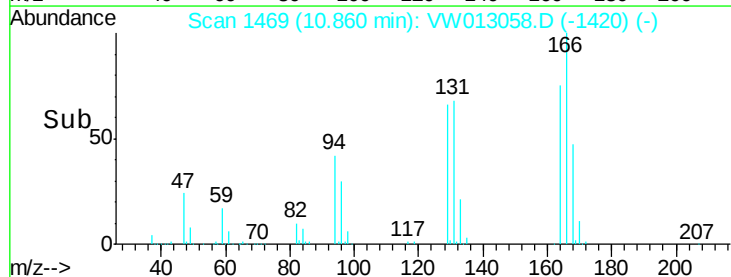
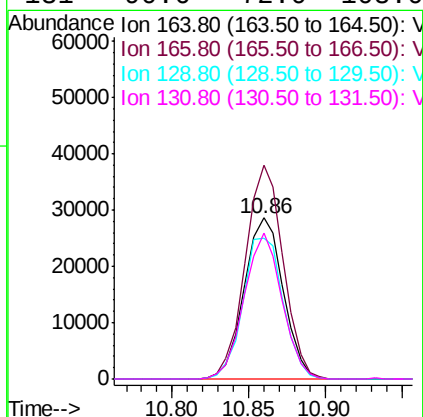
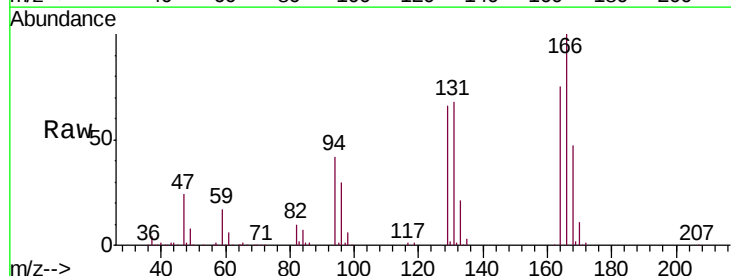
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

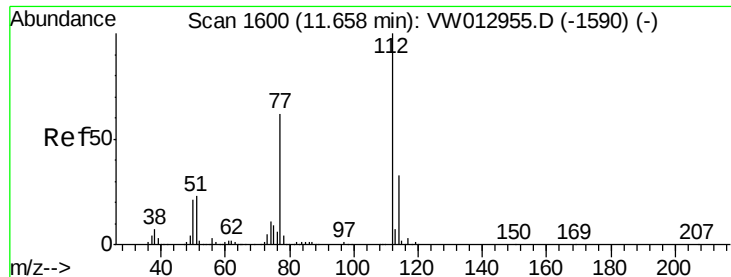
Tgt Ion:117 Resp: 395593
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 21.563 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion:164 Resp: 50747
Ion Ratio Lower Upper
164 100
166 132.9 103.3 154.9
129 87.4 73.8 110.8
131 90.6 72.0 108.0

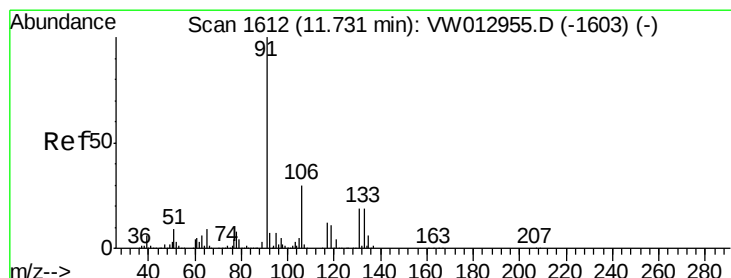
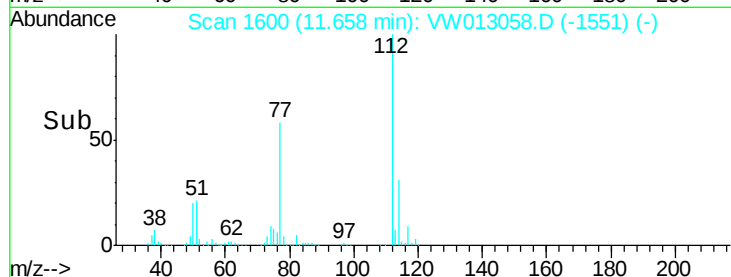
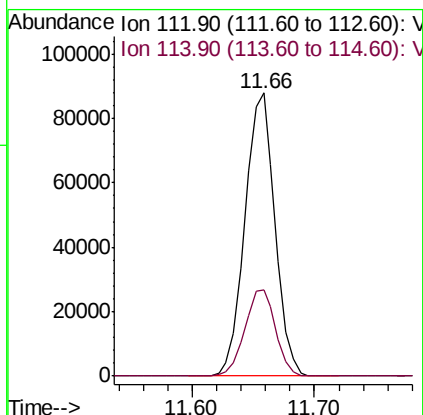
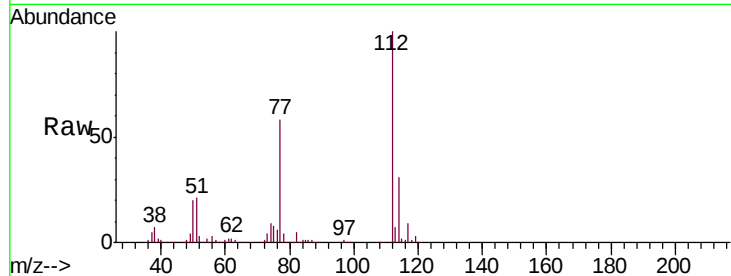




#65
Chlorobenzene
Concen: 21.268 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

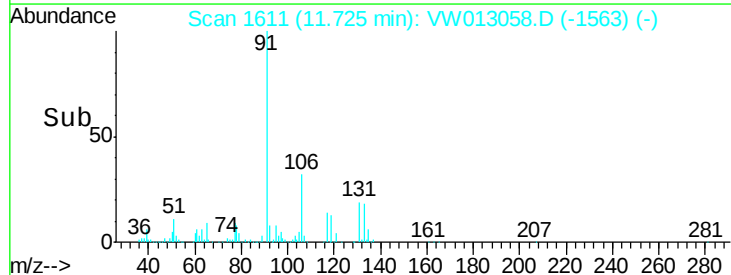
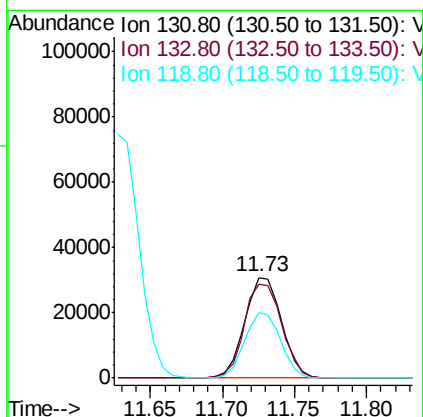
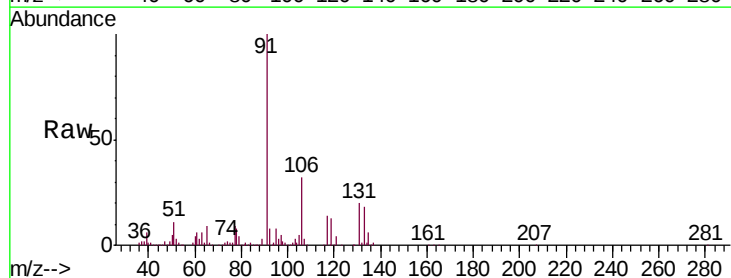
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

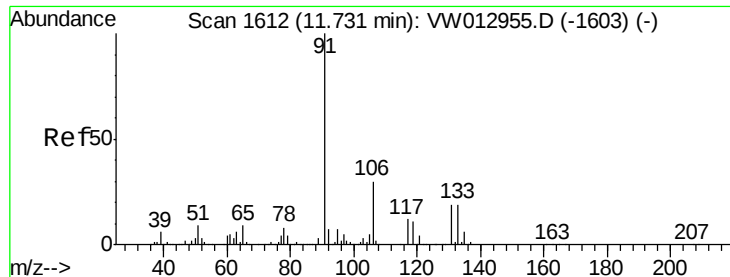
Tgt Ion:112 Resp: 149862
Ion Ratio Lower Upper
112 100
114 30.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.110 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion:131 Resp: 54304
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 63.6 30.9 92.7

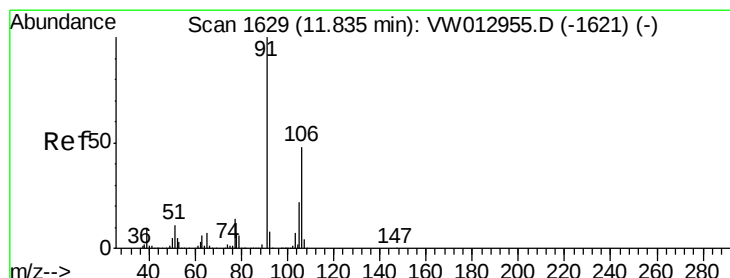
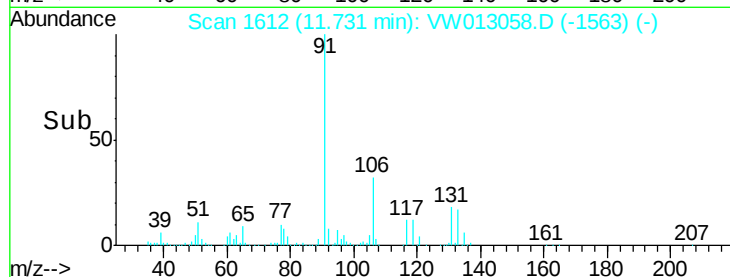
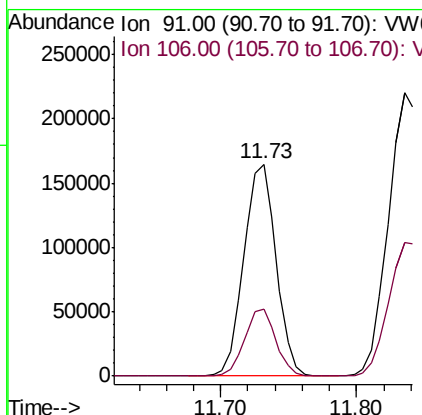
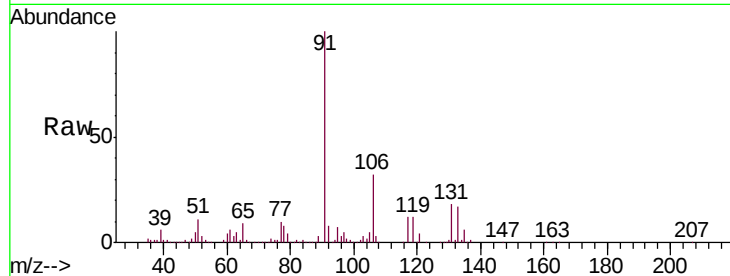




#67
Ethyl Benzene
Concen: 21.030 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

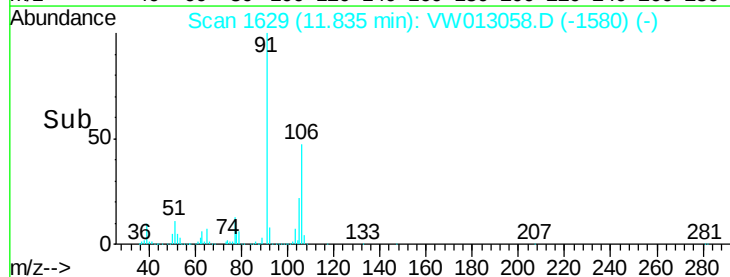
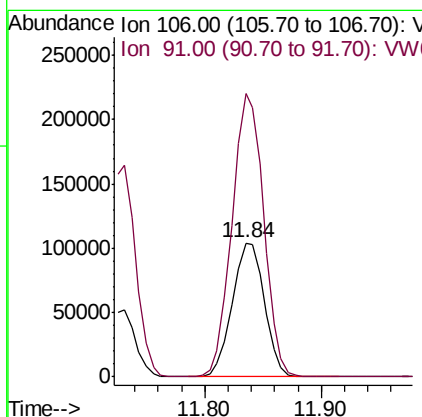
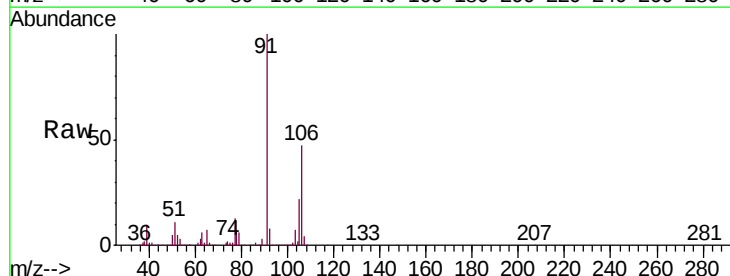
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tgt Ion: 91 Resp: 273678
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5



#68
m/p-Xylenes
Concen: 42.103 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion: 106 Resp: 200164
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.8

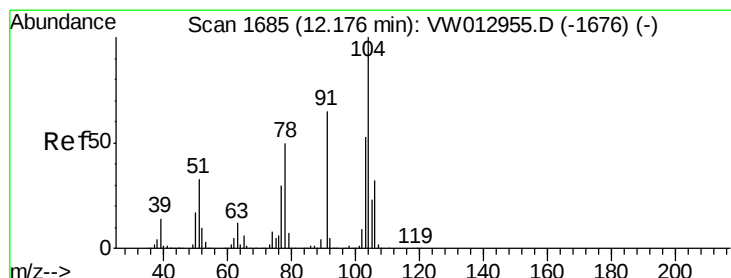
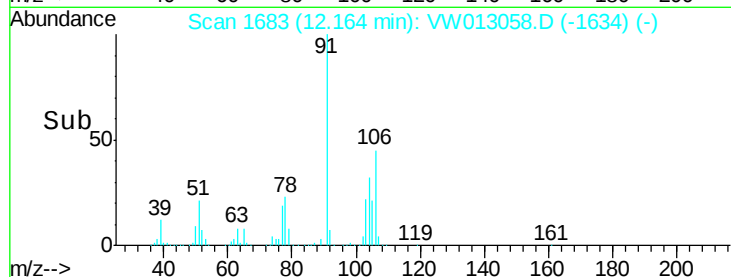
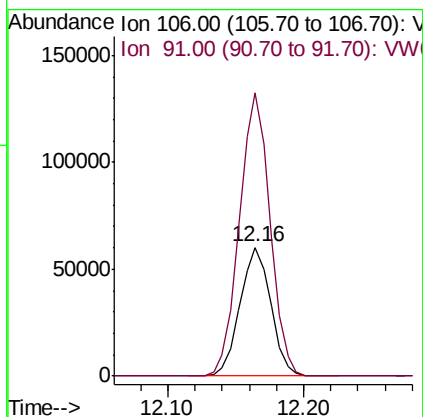
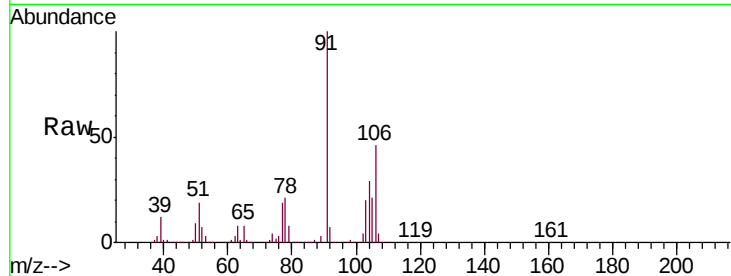




#69
o-Xylene
Concen: 21.378 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

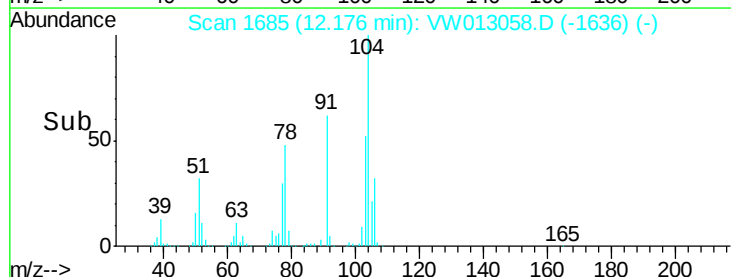
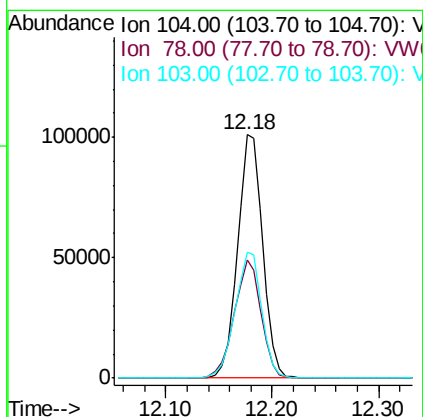
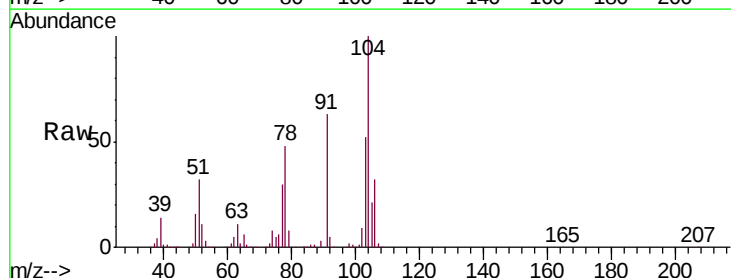
Instrument :
MSVOA_W
ClientSampled :
VW0916SBS02

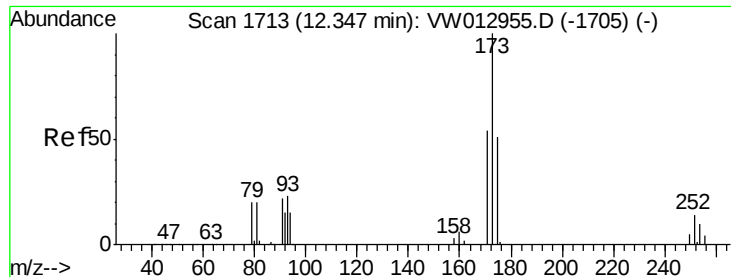
Tgt Ion:106 Resp: 95282
Ion Ratio Lower Upper
106 100
91 218.2 109.7 329.0



#70
Styrene
Concen: 21.097 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion:104 Resp: 167269
Ion Ratio Lower Upper
104 100
78 51.5 42.1 63.1
103 54.9 44.2 66.4





#71

Bromoform

Concen: 21.581 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

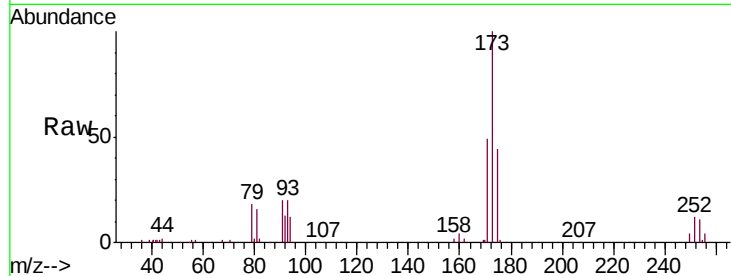
Tgt Ion:173 Resp: 30610

Ion Ratio Lower Upper

173 100

175 46.8 24.2 72.6

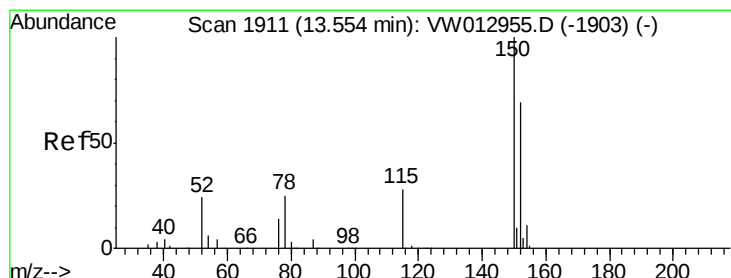
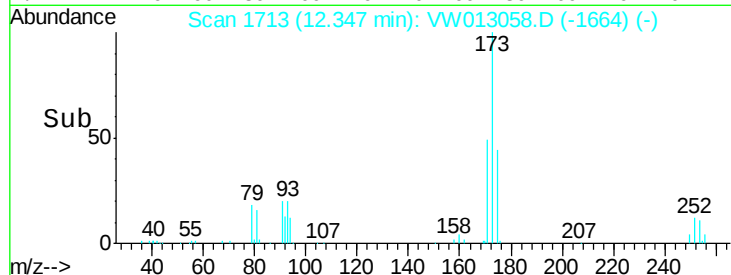
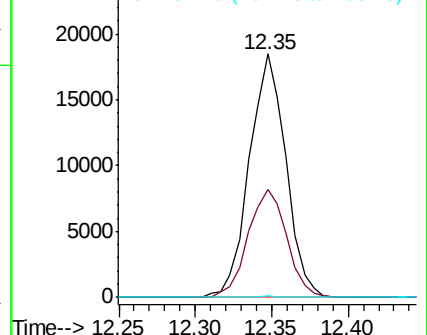
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

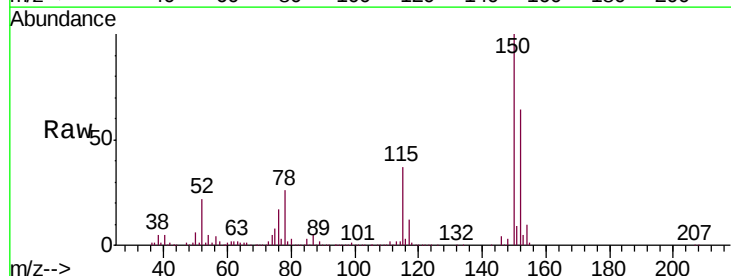
Tgt Ion:152 Resp: 195009

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

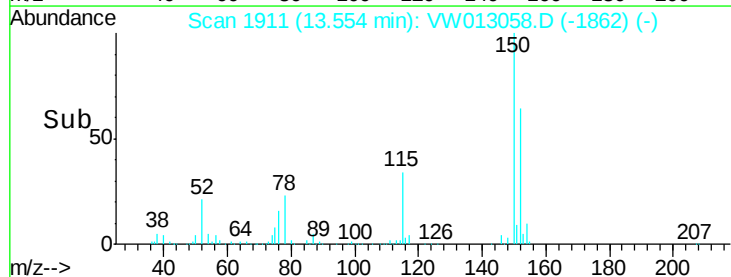
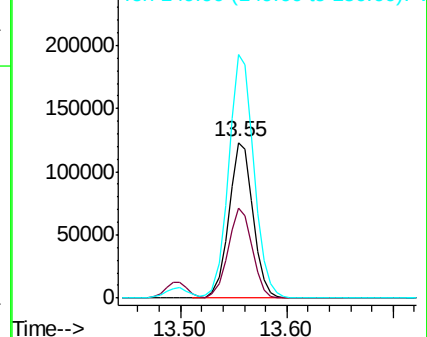
150 164.1 0.0 340.2

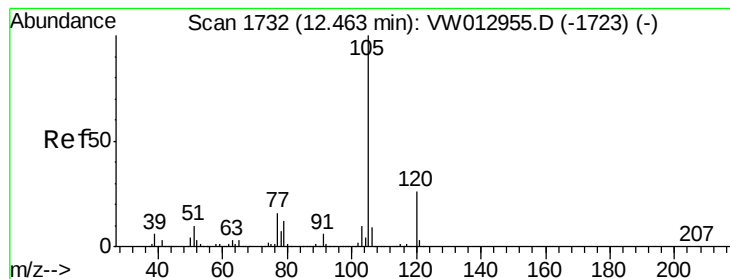


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.056 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

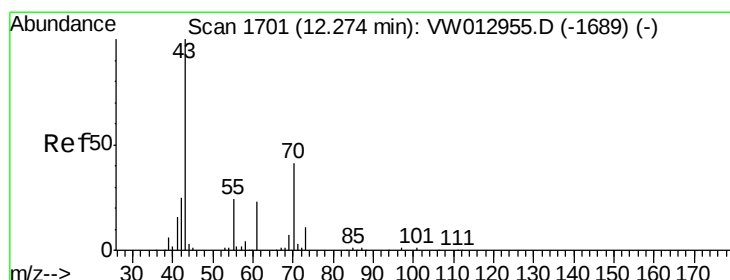
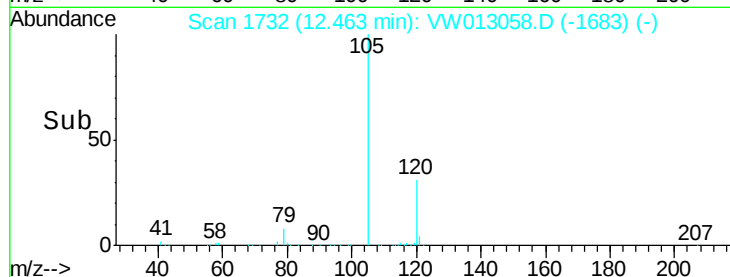
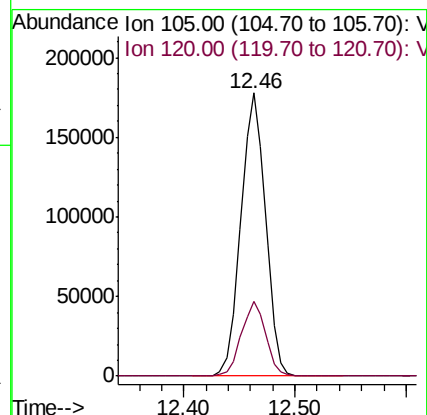
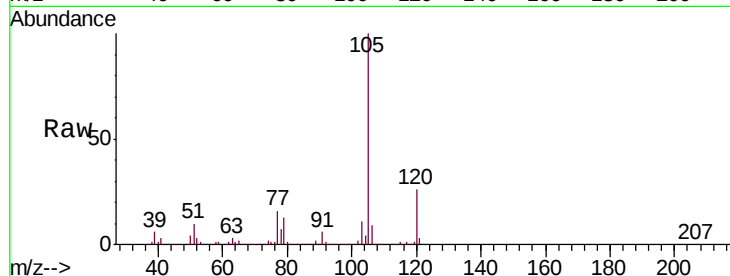
VW0916SBS02

Tgt Ion:105 Resp: 272160

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 23.906 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Tgt Ion: 43 Resp: 79488

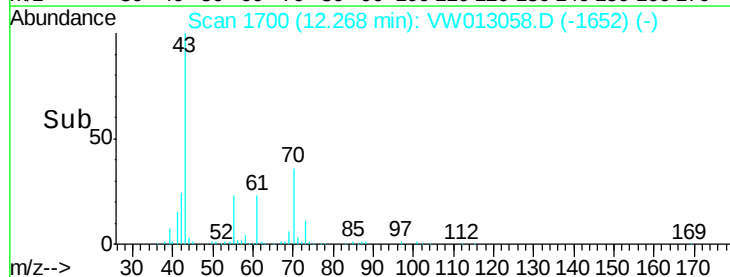
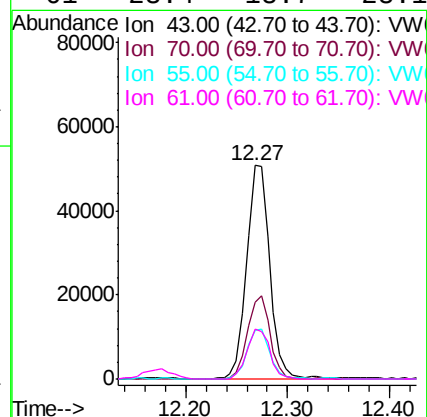
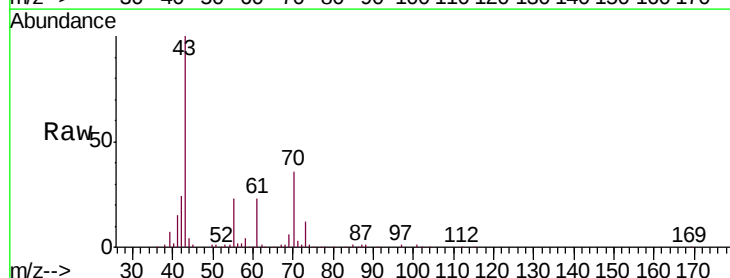
Ion Ratio Lower Upper

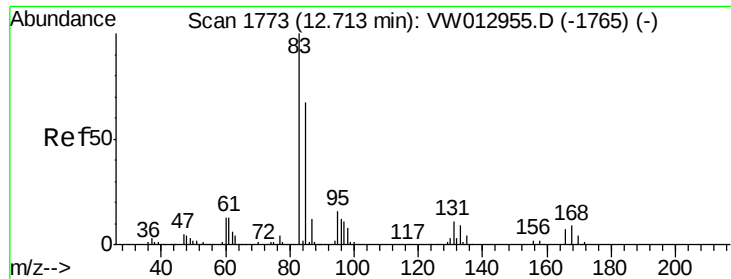
43 100

70 38.1 31.7 47.5

55 23.5 19.4 29.2

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.413 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

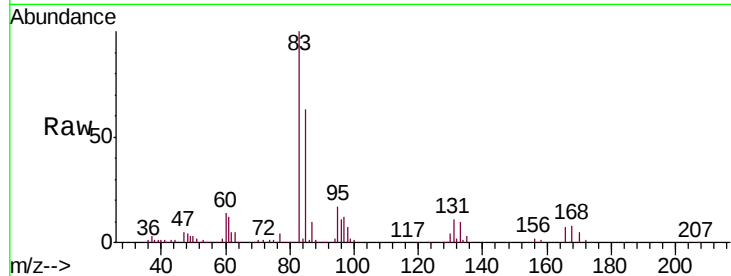
Tgt Ion: 83 Resp: 53152

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.1

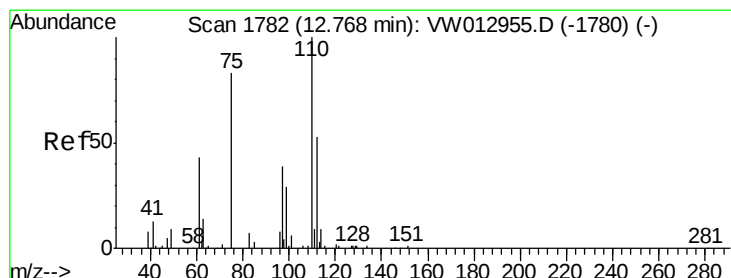
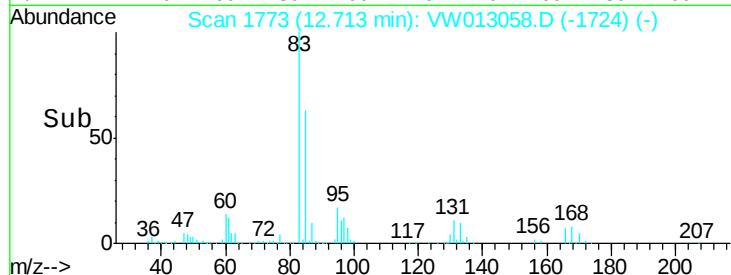
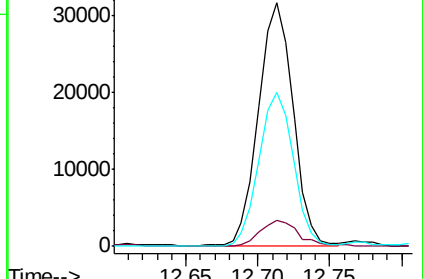
85 62.5 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.901 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013058.D

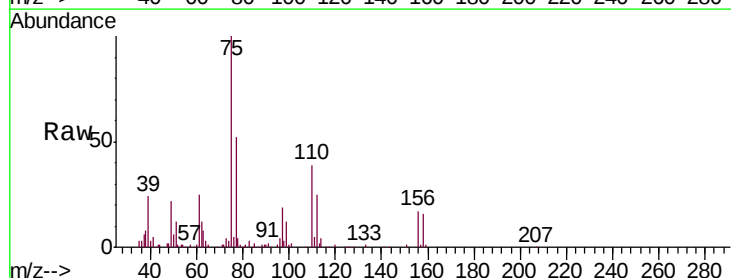
Acq: 17 Sep 2019 00:10

Tgt Ion: 75 Resp: 68156

Ion Ratio Lower Upper

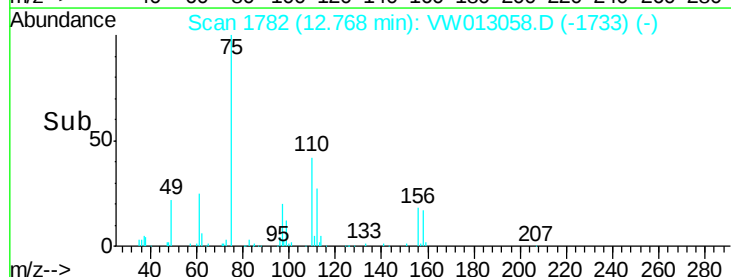
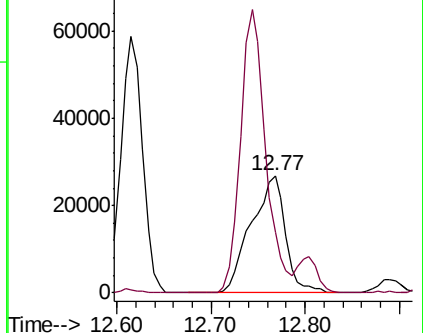
75 100

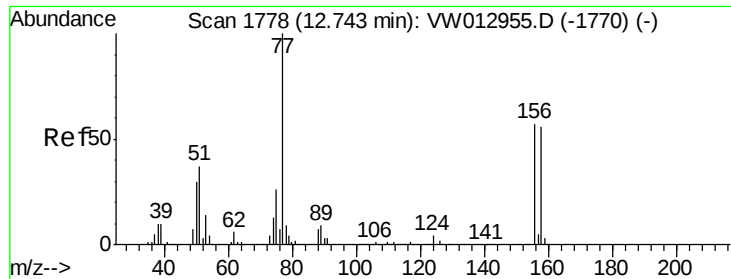
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.324 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampled :

VW0916SBS02

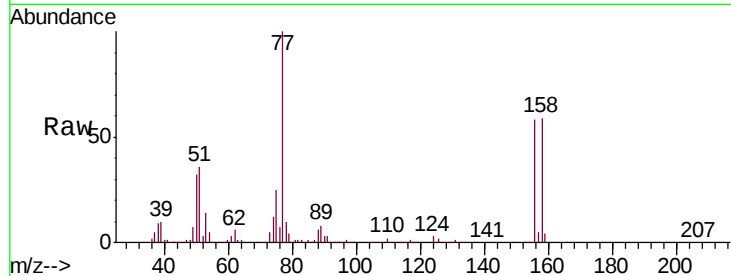
Tgt Ion: 156 Resp: 63497

Ion Ratio Lower Upper

156 100

77 189.8 95.2 285.6

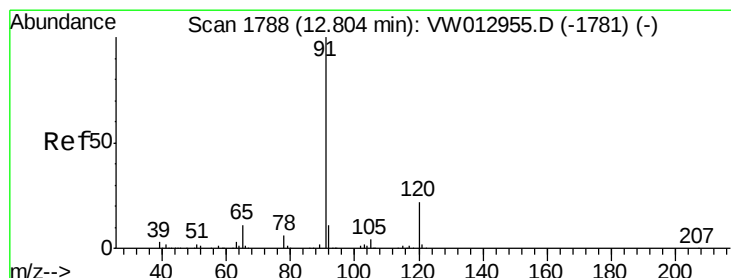
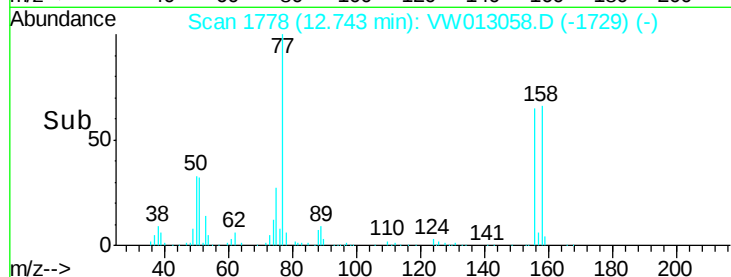
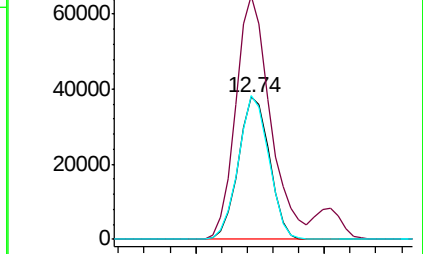
158 99.1 49.0 147.2



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: 21.015 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013058.D

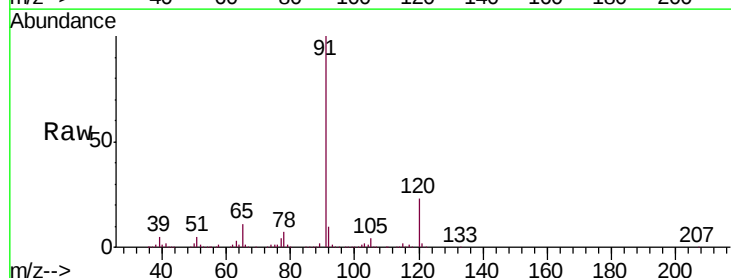
Acq: 17 Sep 2019 00:10

Tgt Ion: 91 Resp: 319516

Ion Ratio Lower Upper

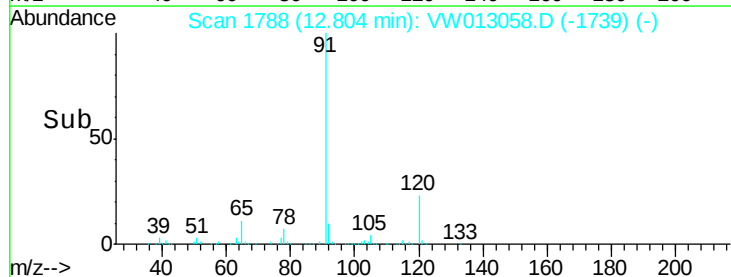
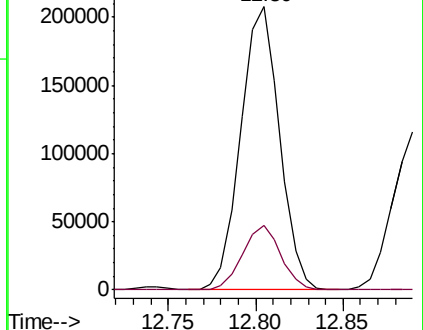
91 100

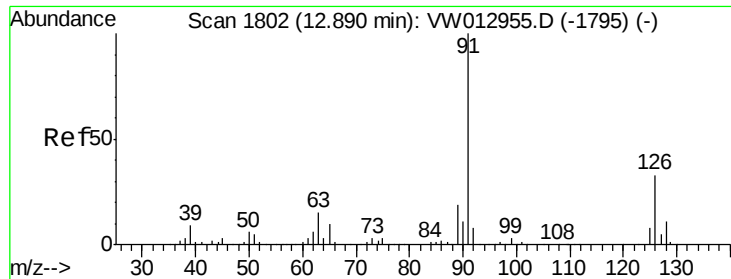
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.006 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

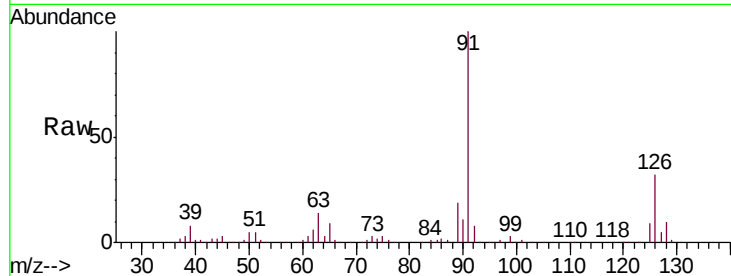
VW0916SBS02

Tgt Ion: 91 Resp: 183603

Ion Ratio Lower Upper

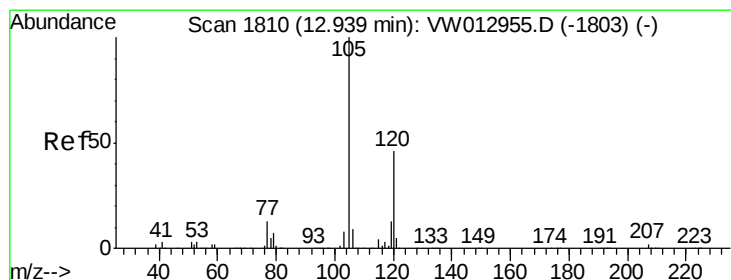
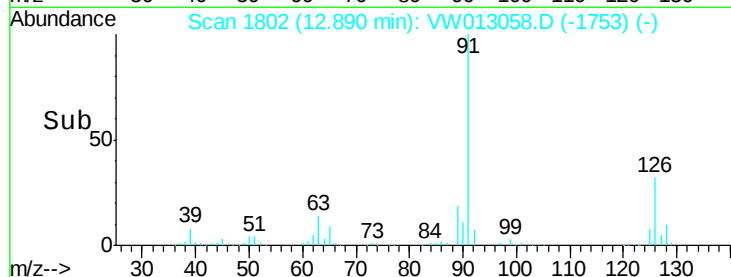
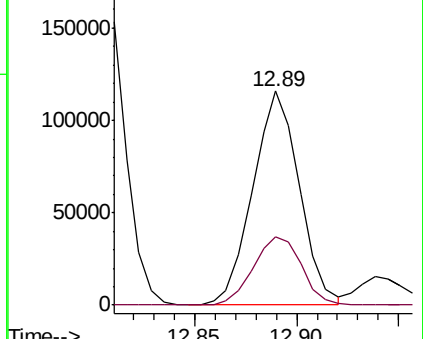
91 100

126 33.3 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.001 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013058.D

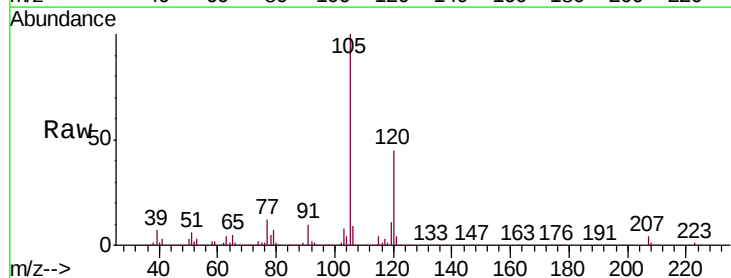
Acq: 17 Sep 2019 00:10

Tgt Ion: 105 Resp: 229644

Ion Ratio Lower Upper

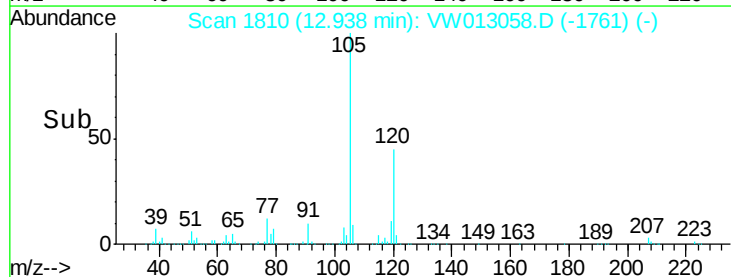
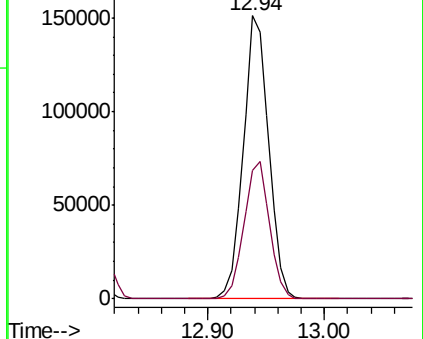
105 100

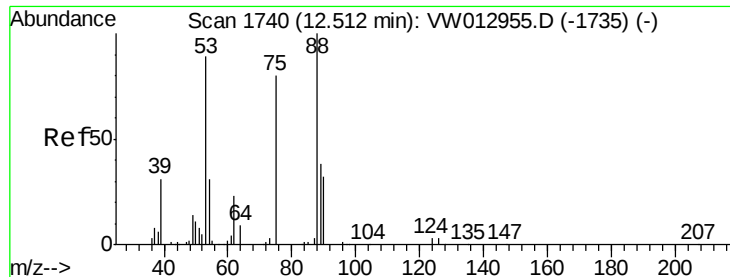
120 48.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.614 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

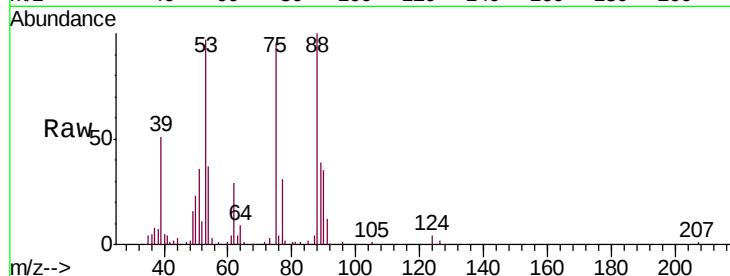
MSVOA_W

ClientSampleId :

VW0916SBS02

Tgt Ion: 75 Resp: 16275

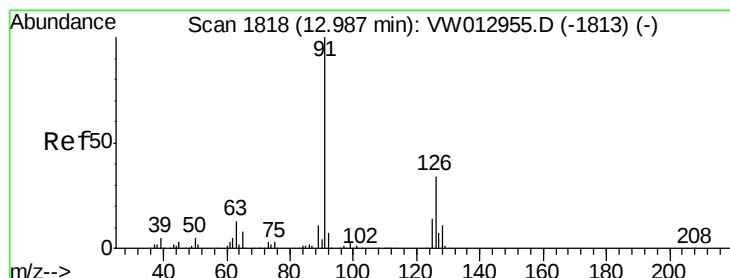
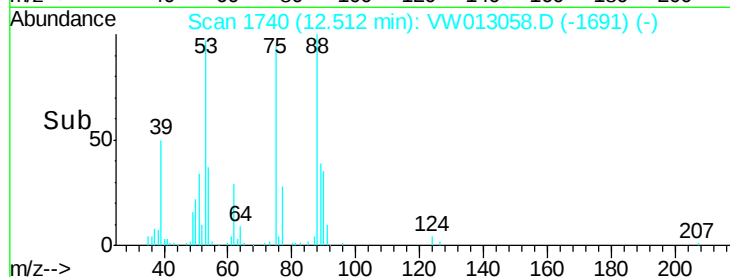
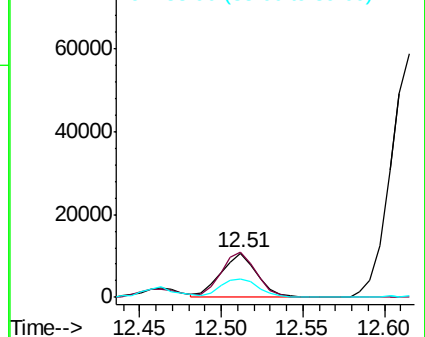
Ion	Ratio	Lower	Upper
75	100		
53	100.2	85.6	128.4
89	44.1	37.2	55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.058 ug/l

RT: 12.99 min Scan# 1818

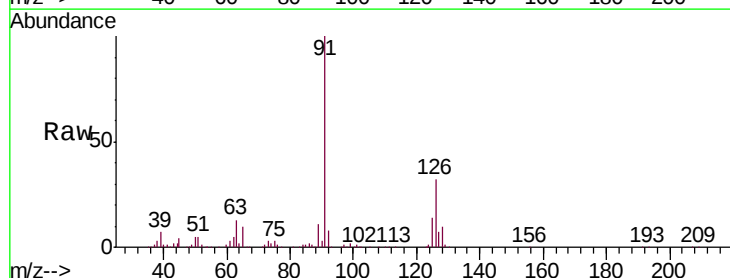
Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

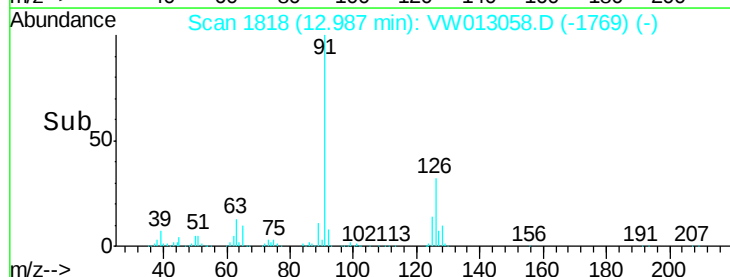
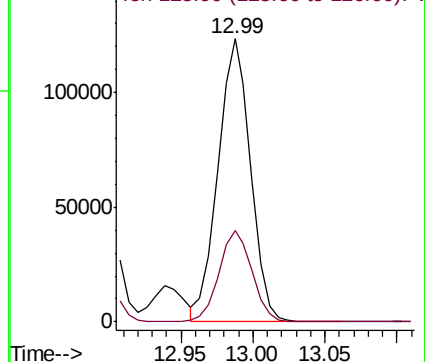
Tgt Ion: 91 Resp: 194202

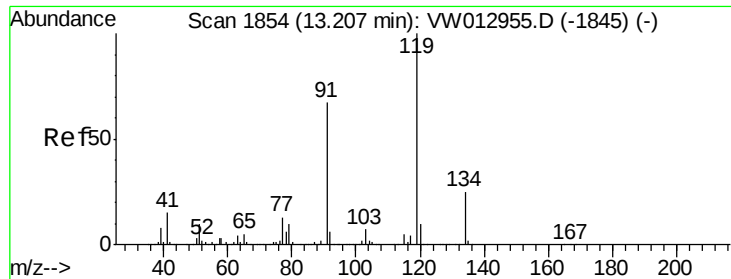
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.1	48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

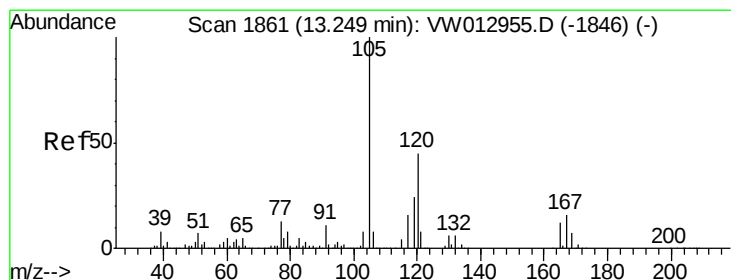
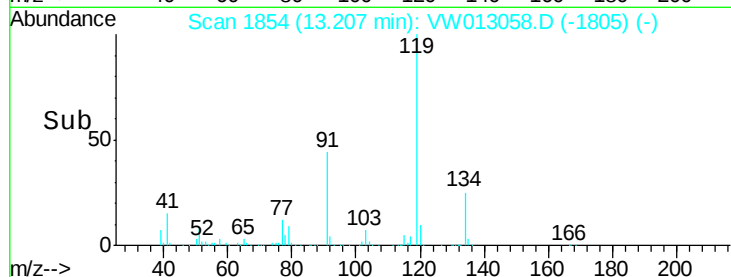
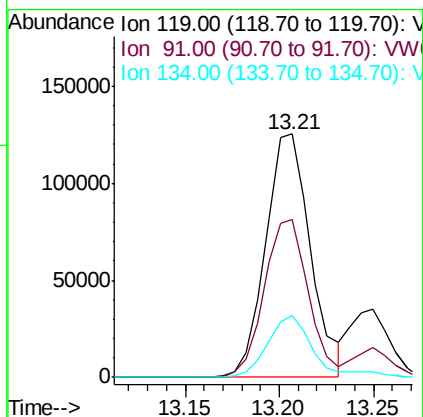
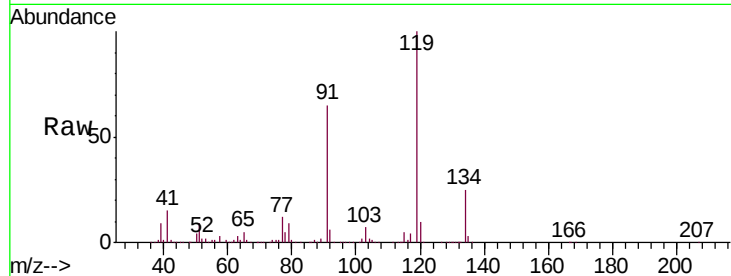




#83
 tert-Butylbenzene
 Concen: 21.218 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

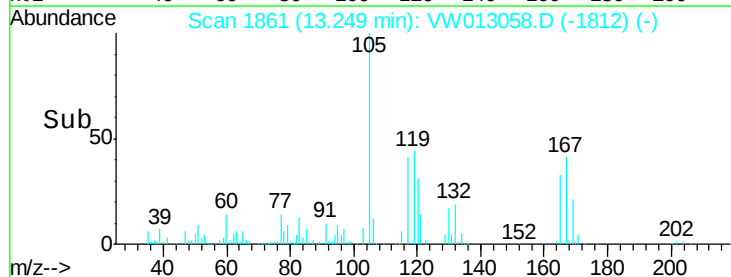
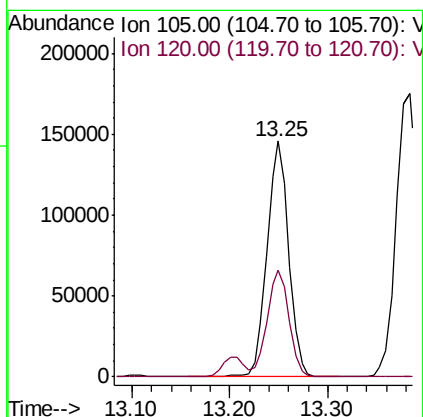
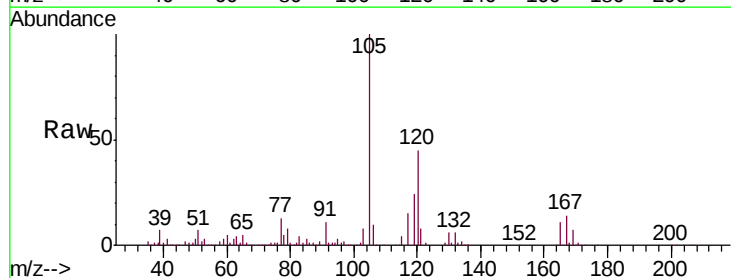
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

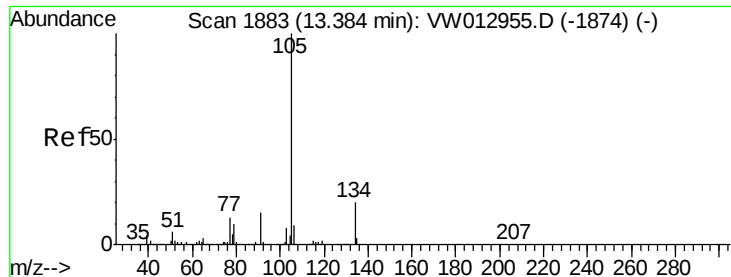
Tgt Ion:119 Resp: 207538
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.6 98.0
 134 25.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.008 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion:105 Resp: 227002
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.969 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

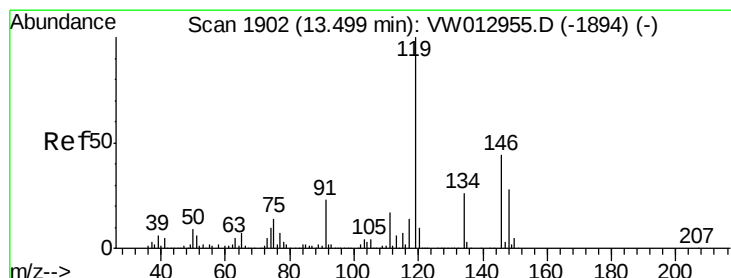
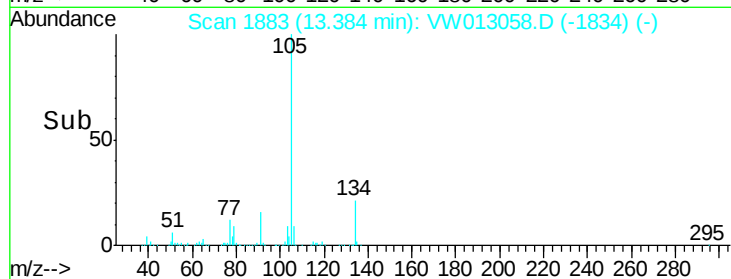
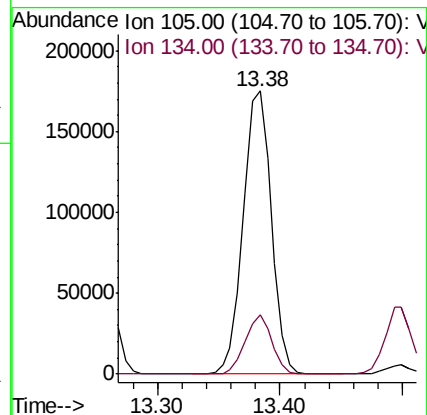
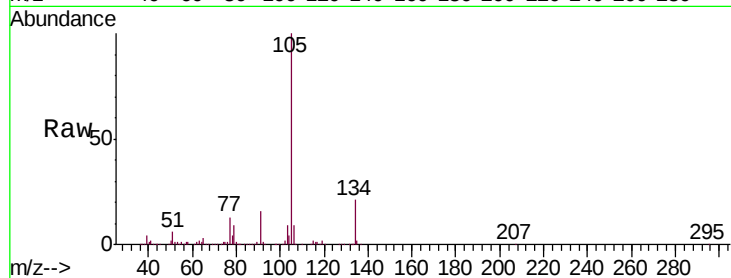
VW0916SBS02

Tgt Ion:105 Resp: 279435

Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.935 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

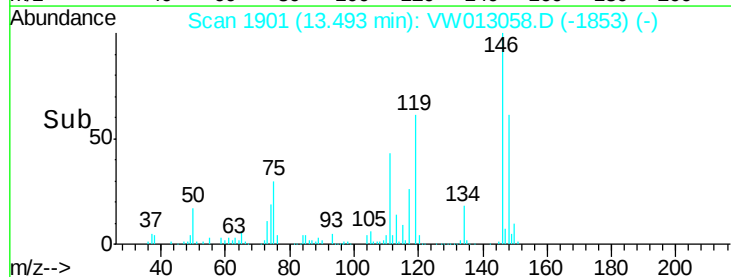
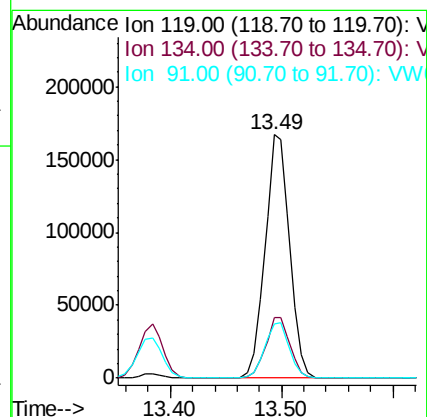
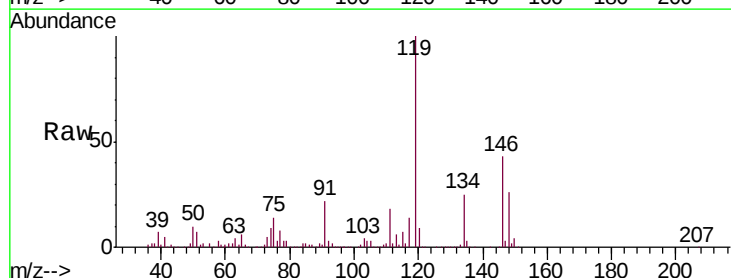
Tgt Ion:119 Resp: 256137

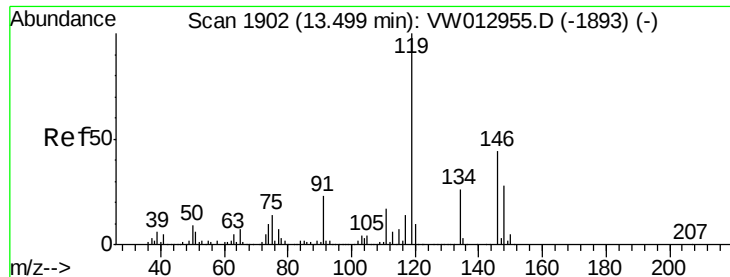
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

91 22.8 11.8 35.4

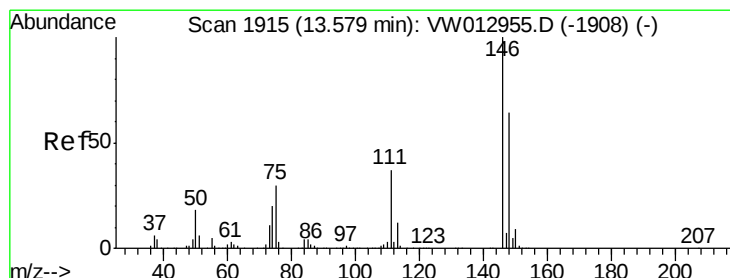
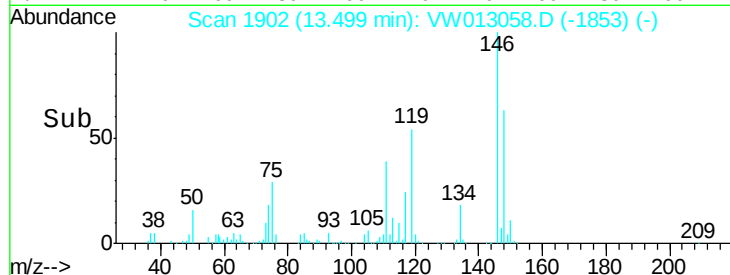
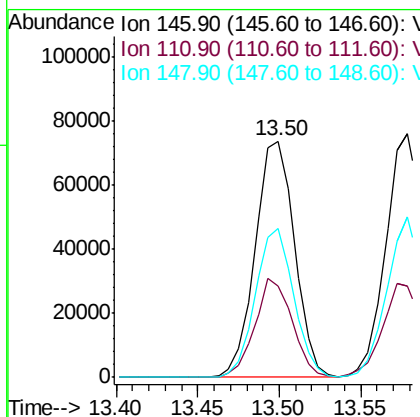
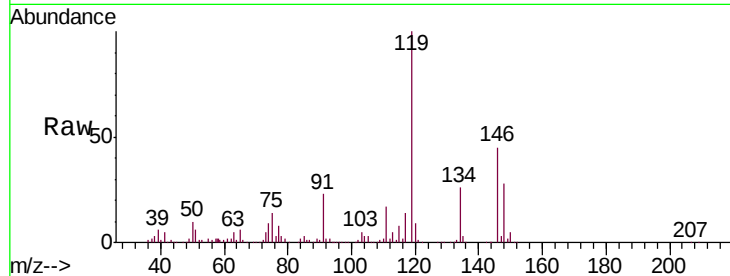




#87
 1,3-Dichlorobenzene
 Concen: 20.960 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

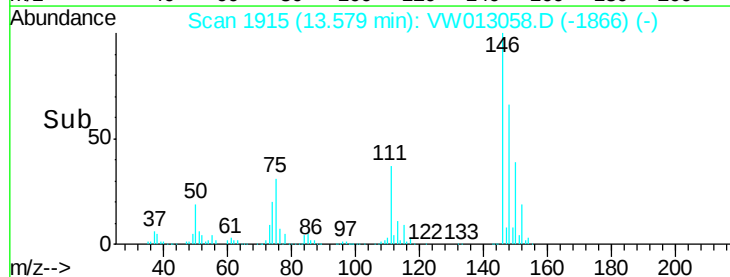
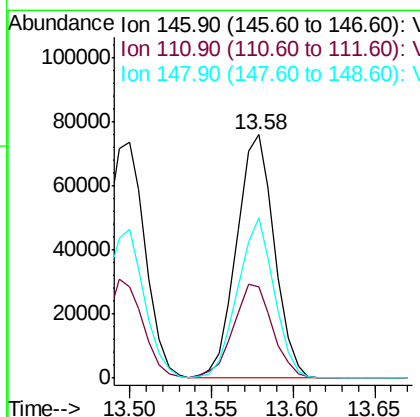
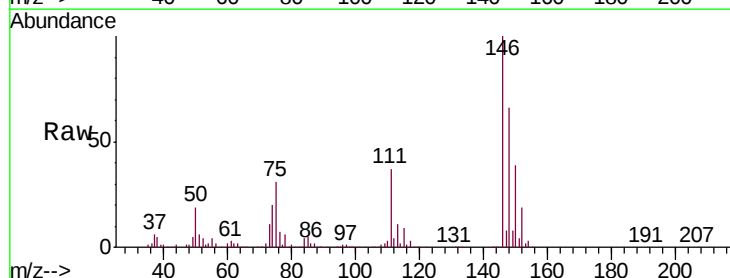
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

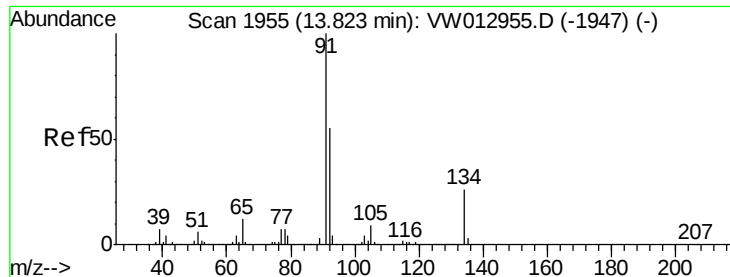
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	61.4	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.2
148	63.6	31.9	95.5





#89

n-Butylbenzene

Concen: 20.022 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

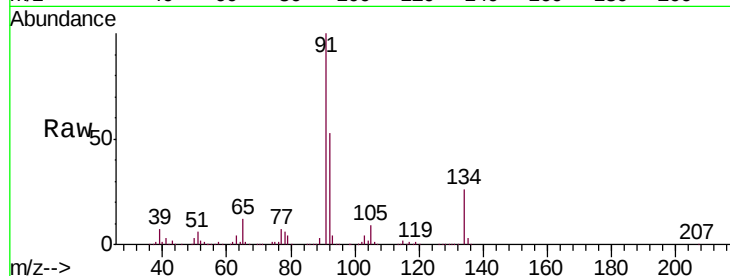
Tgt Ion: 91 Resp: 231031

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.5

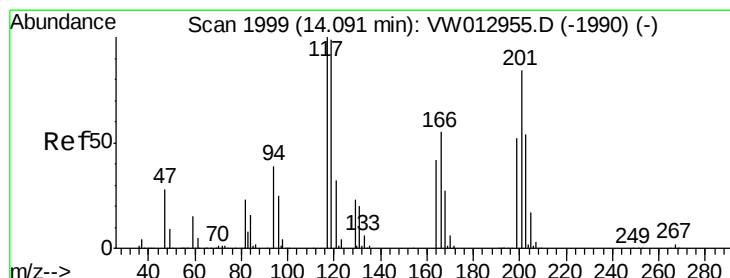
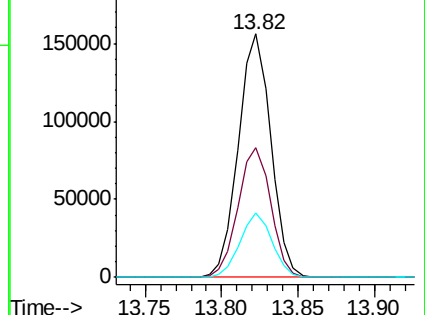
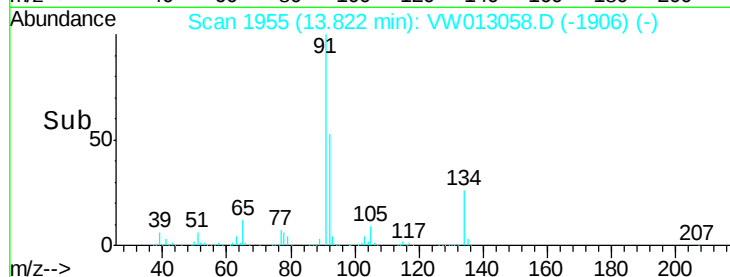
134 25.9 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.797 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013058.D

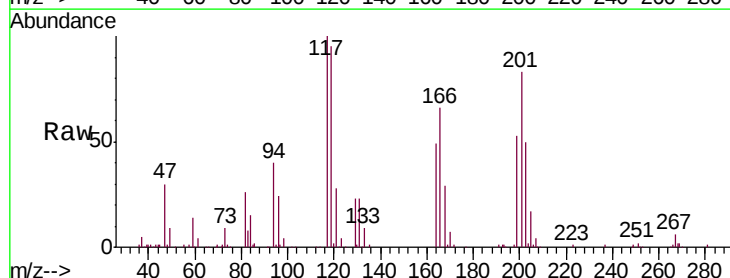
Acq: 17 Sep 2019 00:10

Tgt Ion: 117 Resp: 43407

Ion Ratio Lower Upper

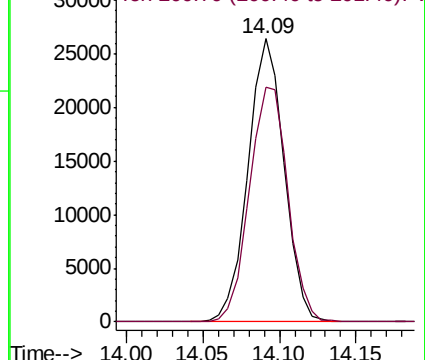
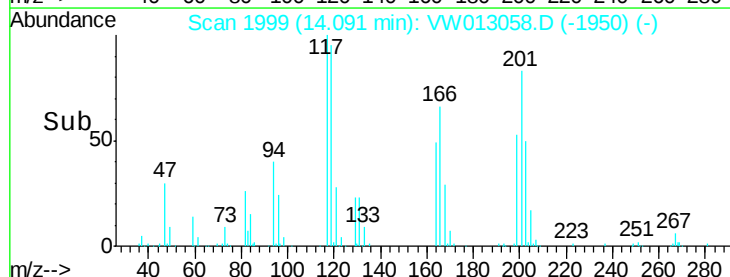
117 100

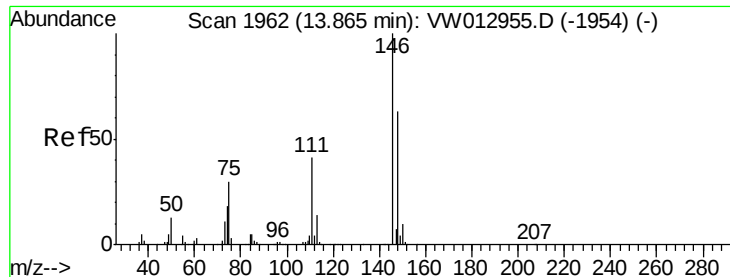
201 88.2 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.269 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

Instrument :

MSVOA_W

ClientSampled :

VW0916SBS02

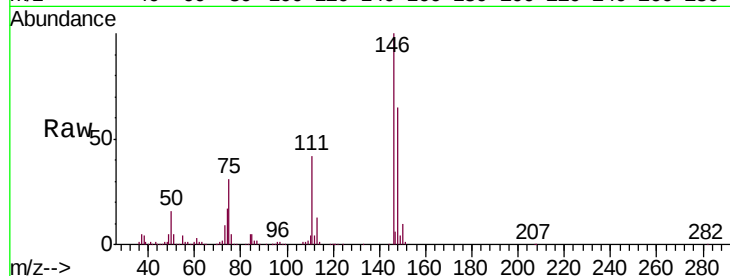
Tgt Ion:146 Resp: 110258

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.5

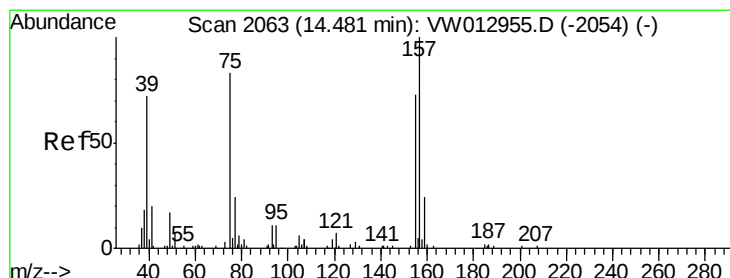
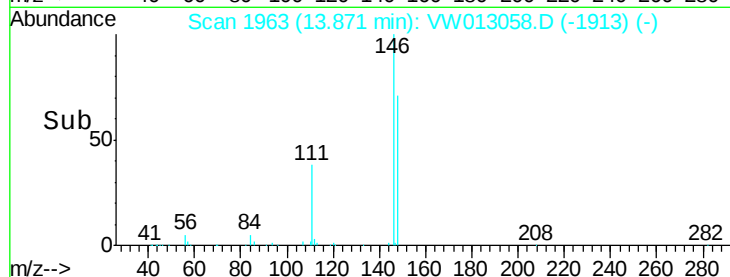
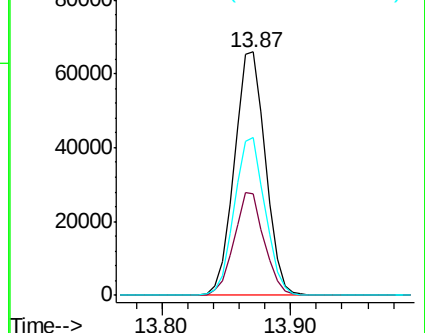
148 64.3 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.730 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013058.D

Acq: 17 Sep 2019 00:10

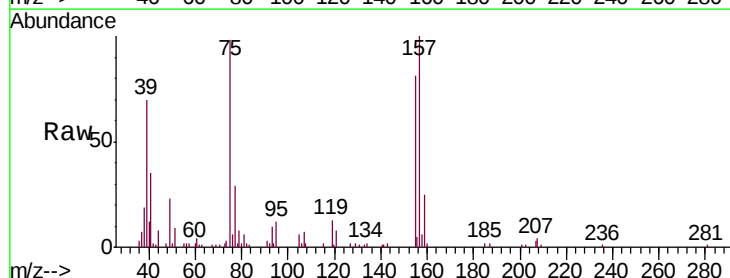
Tgt Ion: 75 Resp: 9861

Ion Ratio Lower Upper

75 100

155 78.6 43.3 129.9

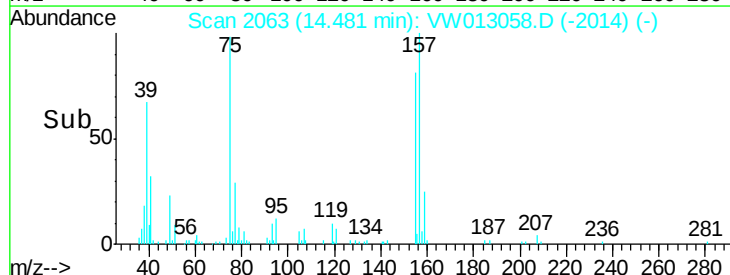
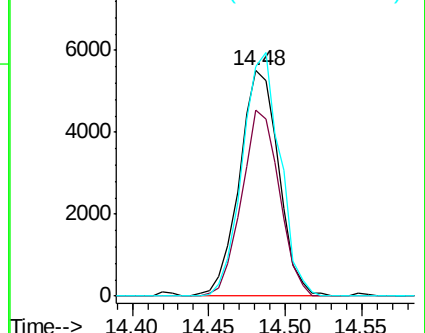
157 103.4 54.7 164.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

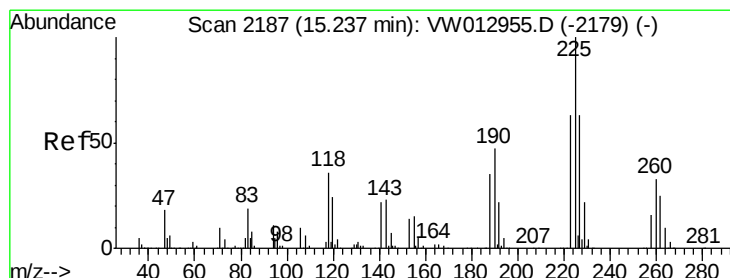
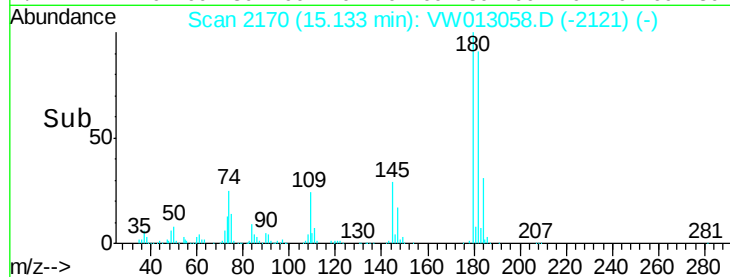
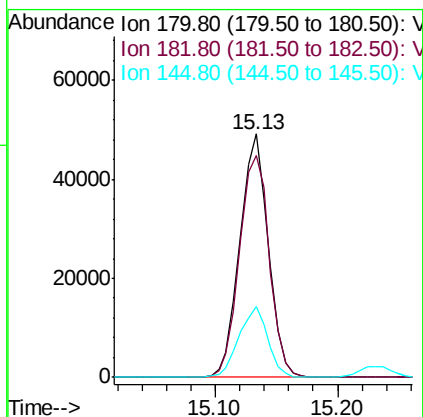
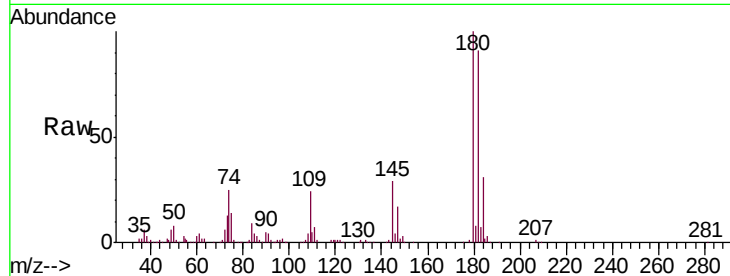




#93
 1,2,4-Trichlorobenzene
 Concen: 21.374 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

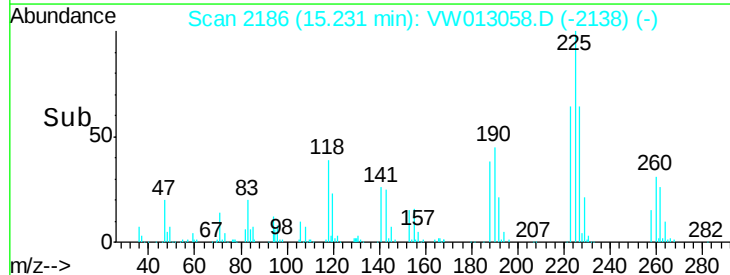
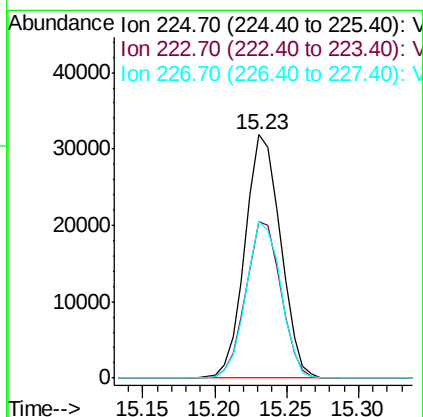
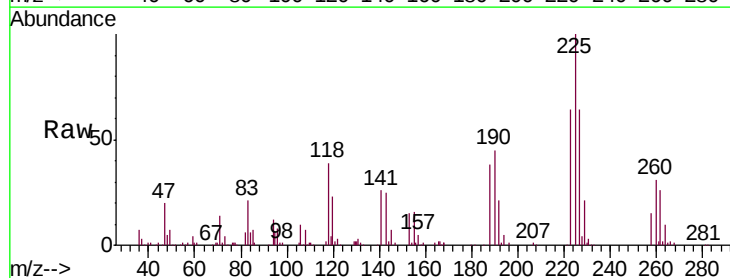
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

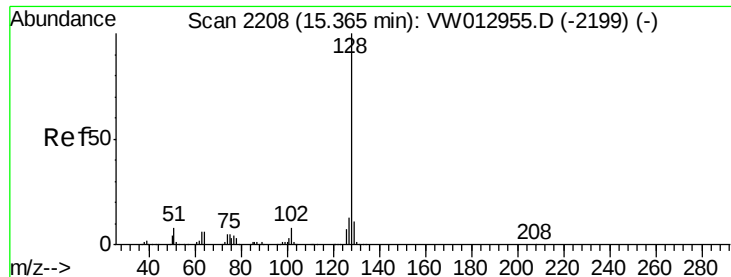
Tgt Ion:180 Resp: 79020
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.4 142.2
 145 29.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 20.798 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013058.D
 Acq: 17 Sep 2019 00:10

Tgt Ion:225 Resp: 54431
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.8 95.3
 227 63.2 31.3 93.8

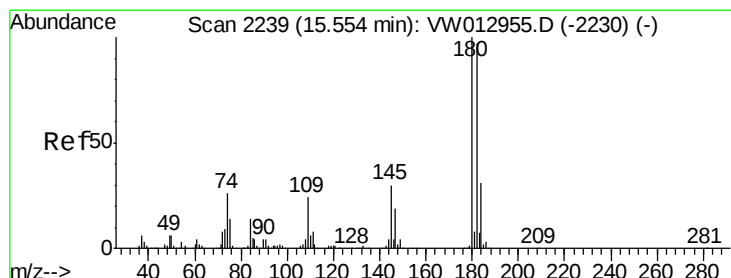
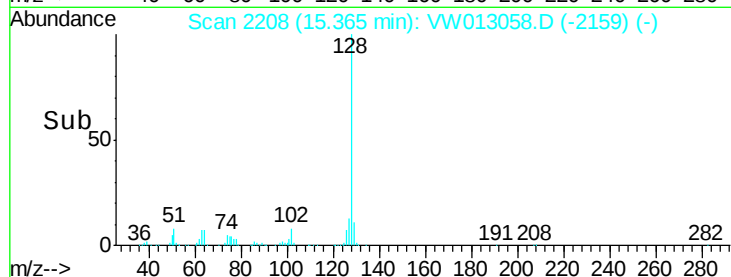
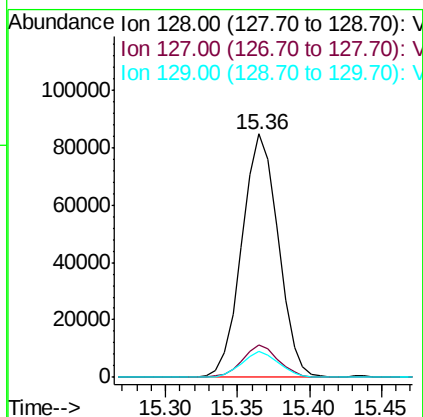
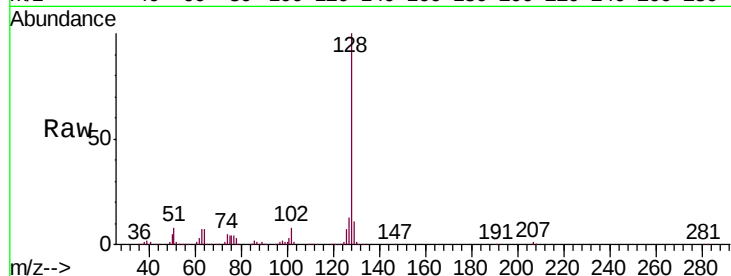




#95
Naphthalene
Concen: 23.989 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tgt Ion:128 Resp: 148186
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.786 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013058.D
Acq: 17 Sep 2019 00:10

Tgt Ion:180 Resp: 71196
Ion Ratio Lower Upper
180 100
182 97.0 47.6 142.8
145 31.1 15.4 46.2

