

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013498.D
 Acq On : 09 Oct 2019 12:43
 Operator : SY/VA
 Sample : VW1009SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Quant Time: Oct 10 02:37:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	345947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126439	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	7.88	113	132666	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.32	98	566155	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	187032	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21234	18.530	ug/l	96
3) Chloromethane	2.21	50	43470	21.581	ug/l	94
4) Vinyl Chloride	2.35	62	61335	20.644	ug/l	100
5) Bromomethane	2.78	94	36492	20.585	ug/l	97
6) Chloroethane	2.92	64	33892	20.312	ug/l	99
7) Trichlorofluoromethane	3.25	101	31499	22.407	ug/l	98
8) Diethyl Ether	3.68	74	28837	19.819	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59573	20.562	ug/l	98
10) Methyl Iodide	4.27	142	95877	20.898	ug/l	100
11) Tert butyl alcohol	5.20	59	20934	94.150	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	61505	20.484	ug/l	94
13) Acrolein	3.90	56	24120	103.005	ug/l	99
14) Allyl chloride	4.67	41	96794	20.978	ug/l	99
15) Acrylonitrile	5.37	53	65477	96.284	ug/l	99
16) Acetone	4.14	43	57314	92.148	ug/l	96
17) Carbon Disulfide	4.38	76	173750	20.616	ug/l	99
18) Methyl Acetate	4.67	43	34909	19.594	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	90214	19.870	ug/l	99
20) Methylene Chloride	4.92	84	69485	20.731	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	66138	20.730	ug/l	97
22) Diisopropyl ether	6.31	45	177524	20.534	ug/l	95
23) Vinyl Acetate	6.25	43	511096	98.472	ug/l	97
24) 1,1-Dichloroethane	6.21	63	110517	20.915	ug/l	98
25) 2-Butanone	7.17	43	83591	91.193	ug/l	99
26) 2,2-Dichloropropane	7.17	77	71987	21.133	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	70669	20.933	ug/l	99
28) Bromochloromethane	7.51	49	30031	16.347	ug/l #	98
29) Tetrahydrofuran	7.53	42	52681	94.034	ug/l	99
30) Chloroform	7.68	83	106584	20.853	ug/l	96
31) Cyclohexane	7.95	56	115290	20.614	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88657	21.338	ug/l	98
36) 1,1-Dichloropropene	8.08	75	92374	20.904	ug/l	99
37) Ethyl Acetate	7.26	43	38191	19.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	82976	21.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	118543	20.706	ug/l	97
40) Benzene	8.32	78	258196	20.931	ug/l	98
41) Methacrylonitrile	7.48	41	22414	19.659	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63775	20.454	ug/l	98
43) Isopropyl Acetate	8.42	43	68844	19.006	ug/l	99
44) Trichloroethene	9.09	130	71989	20.457	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60770	20.525	ug/l	98
46) Dibromomethane	9.46	93	29574	20.051	ug/l	100
47) Bromodichloromethane	9.65	83	74401	20.292	ug/l	97
48) Methyl methacrylate	9.44	41	34684	19.439	ug/l	98
49) 1,4-Dioxane	9.47	88	10776	416.082	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	177954	93.446	ug/l	100
52) Toluene	10.38	92	166403	20.942	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76743	20.143	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94577	20.490	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	45893	20.729	ug/l	98
56) Ethyl methacrylate	10.65	69	57634	19.329	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77874	20.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	129704	92.201	ug/l	99
59) 2-Hexanone	10.97	43	122538	93.837	ug/l	100
60) Dibromochloromethane	11.13	129	51737	20.321	ug/l	95
61) 1,2-Dibromoethane	11.23	107	43124	20.479	ug/l	96
64) Tetrachloroethene	10.86	164	63492	20.934	ug/l	99
65) Chlorobenzene	11.66	112	171257	20.914	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	58339	20.510	ug/l	100
67) Ethyl Benzene	11.73	91	311866	20.837	ug/l	100
68) m/p-Xylenes	11.84	106	242153	42.523	ug/l	97
69) o-Xylene	12.16	106	112062	21.300	ug/l	97
70) Styrene	12.18	104	192302	21.287	ug/l	99
71) Bromoform	12.35	173	30632	19.628	ug/l #	100
73) Isopropylbenzene	12.46	105	315355	21.030	ug/l	99
74) N-amyl acetate	12.27	43	60543	18.460	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49402	19.328	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63743	36.559	ug/l #	100
77) Bromobenzene	12.75	156	72340	20.352	ug/l	98
78) n-propylbenzene	12.80	91	362487	20.904	ug/l	99
79) 2-Chlorotoluene	12.89	91	201737	20.766	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	263646	21.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15908	18.651	ug/l	99
82) 4-Chlorotoluene	12.99	91	211444	20.970	ug/l	99
83) tert-Butylbenzene	13.21	119	233324	21.086	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	257097	20.864	ug/l	100
85) sec-Butylbenzene	13.38	105	318651	20.842	ug/l	100
86) p-Isopropyltoluene	13.50	119	295180	21.014	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140523	20.850	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	136999	20.750	ug/l	99
89) n-Butylbenzene	13.82	91	268609	21.168	ug/l	100
90) Hexachloroethane	14.09	117	50046	20.822	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	124323	20.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7853	19.273	ug/l	94

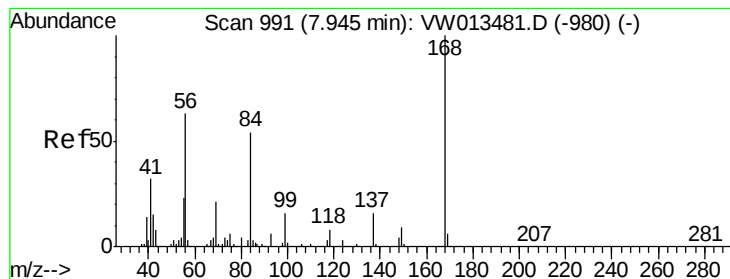
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	87626	20.836	ug/l	99
94) Hexachlorobutadiene	15.24	225	59872	21.423	ug/l	99
95) Naphthalene	15.36	128	137696	18.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	73970	20.114	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

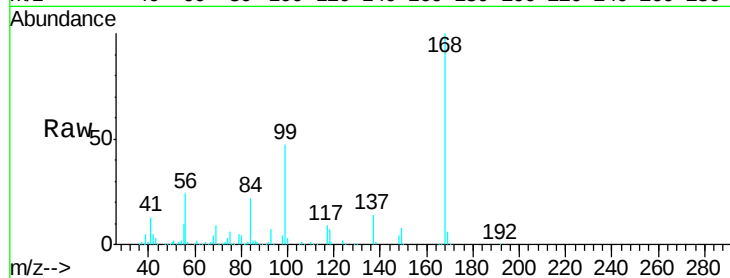
VW1009SBSD01

Tgt Ion: 168 Resp: 345947

Ion Ratio Lower Upper

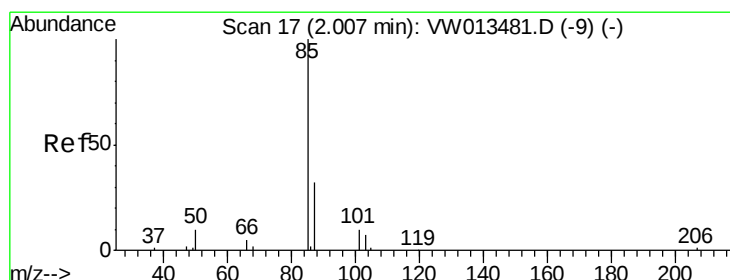
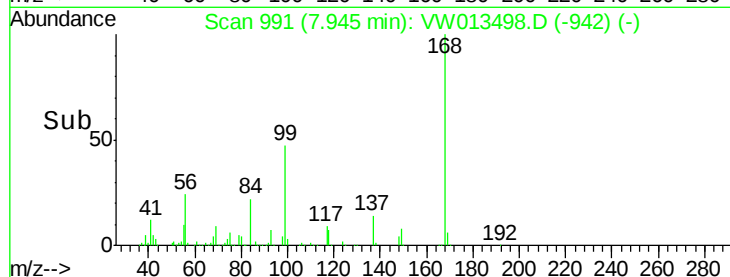
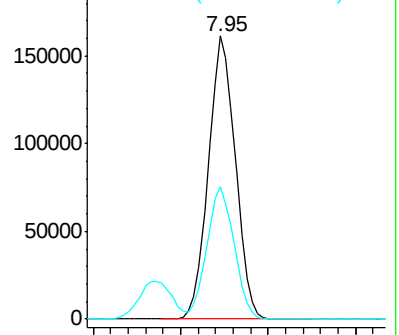
168 100

99 46.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.530 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013498.D

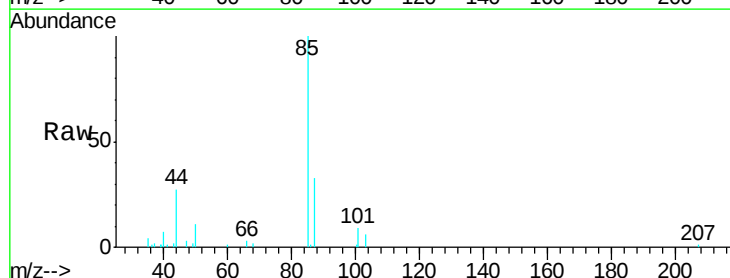
Acq: 09 Oct 2019 12:43

Tgt Ion: 85 Resp: 21234

Ion Ratio Lower Upper

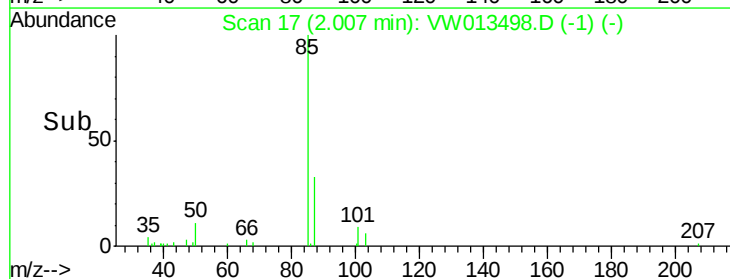
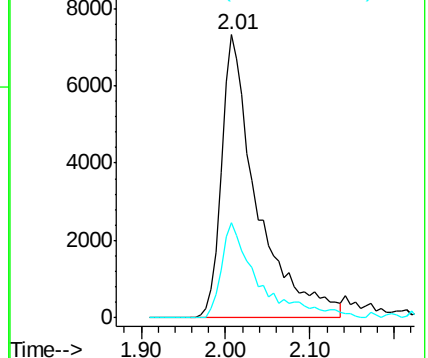
85 100

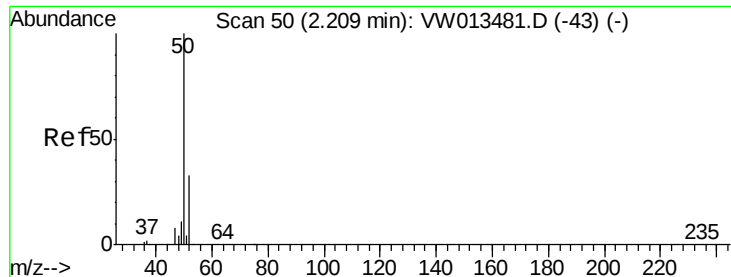
87 33.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.581 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

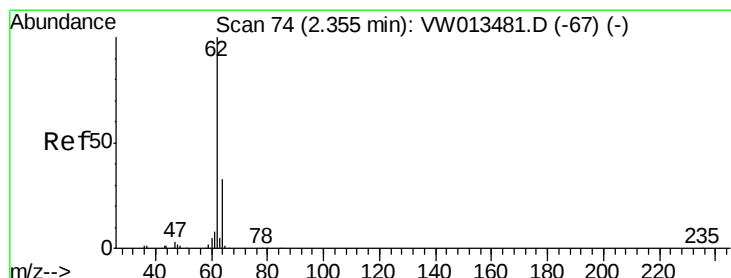
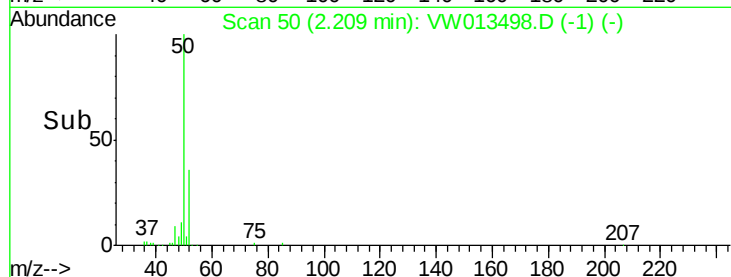
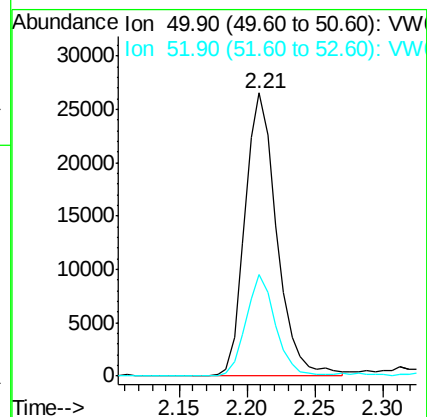
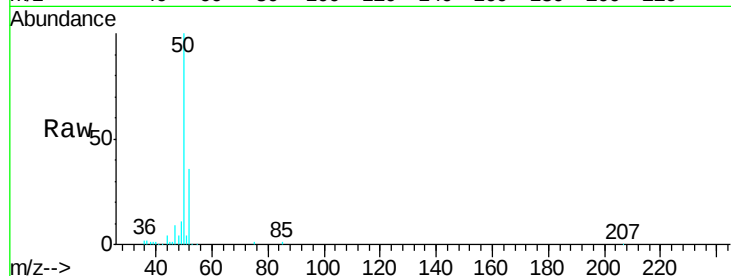
VW1009SBSD01

Tgt Ion: 50 Resp: 43470

Ion Ratio Lower Upper

50 100

52 35.8 26.0 39.0



#4

Vinyl Chloride

Concen: 20.644 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013498.D

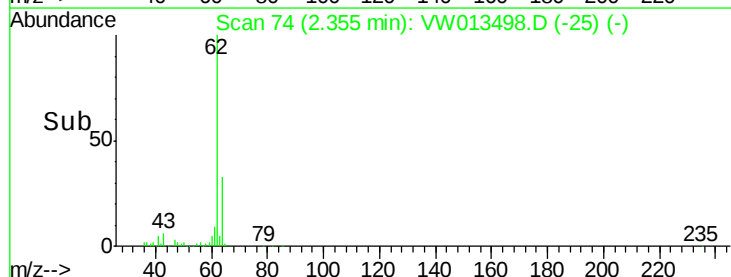
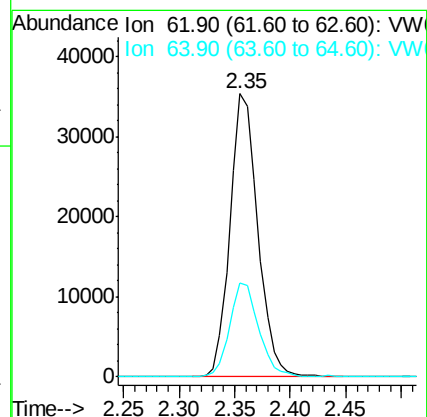
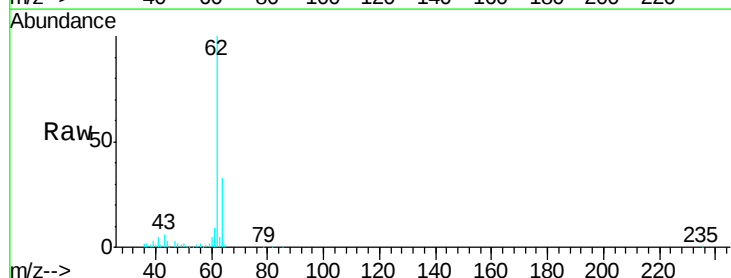
Acq: 09 Oct 2019 12:43

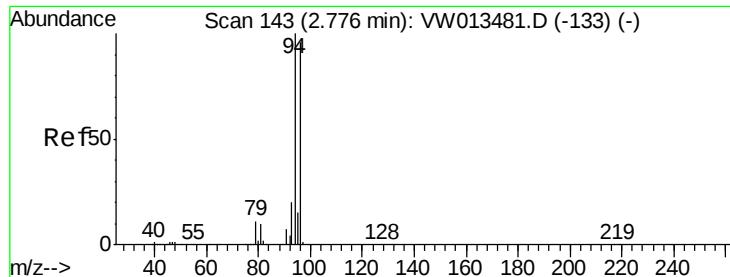
Tgt Ion: 62 Resp: 61335

Ion Ratio Lower Upper

62 100

64 33.1 26.6 39.8





#5

Bromomethane

Concen: 20.585 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

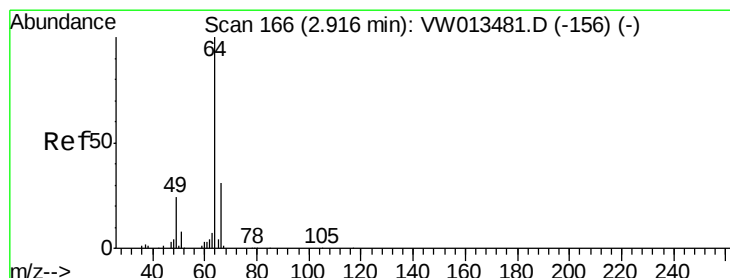
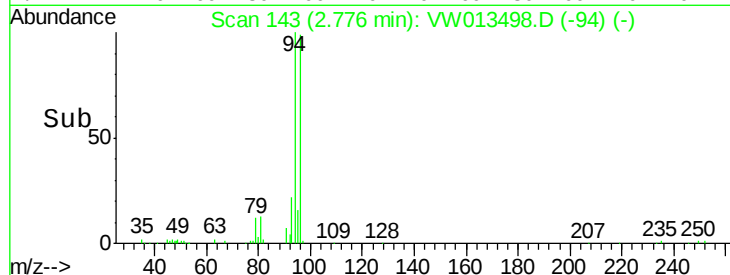
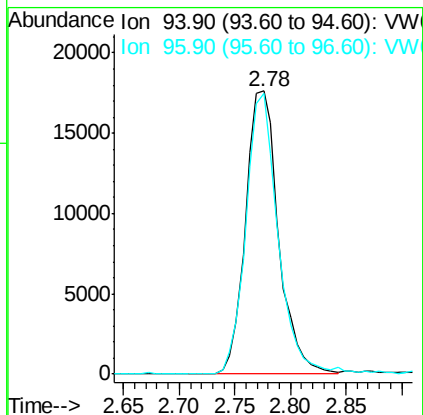
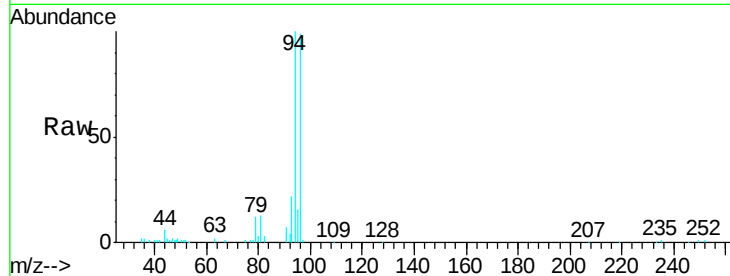
VW1009SBSD01

Tgt Ion: 94 Resp: 36492

Ion Ratio Lower Upper

94 100

96 99.3 77.0 115.6



#6

Chloroethane

Concen: 20.312 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013498.D

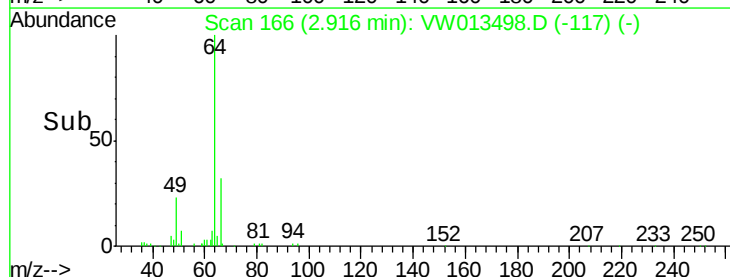
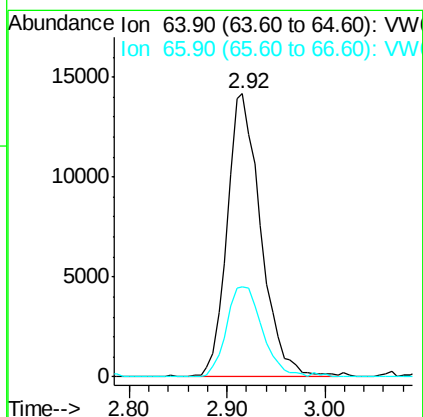
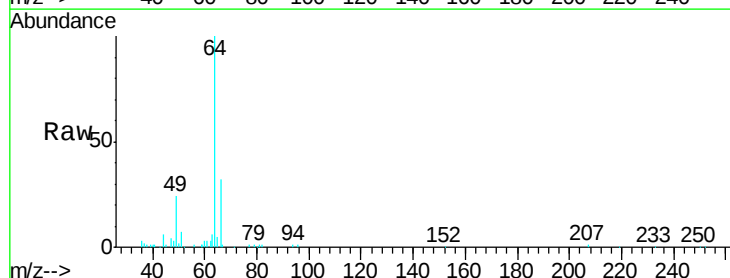
Acq: 09 Oct 2019 12:43

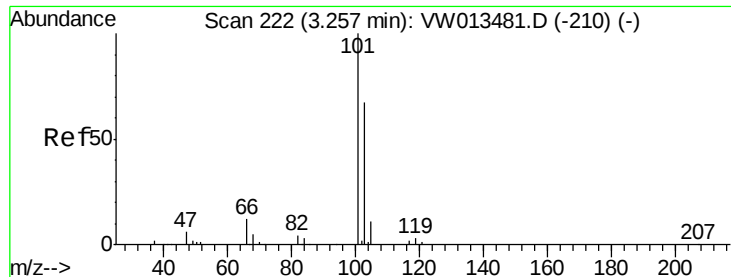
Tgt Ion: 64 Resp: 33892

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4



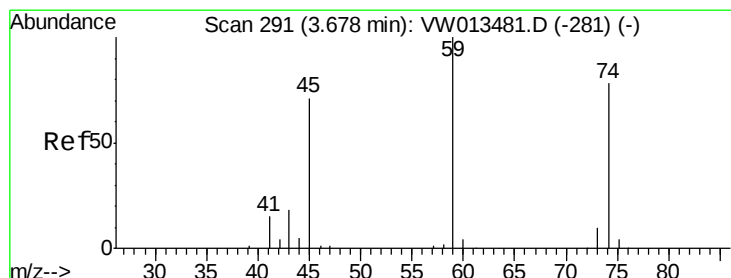
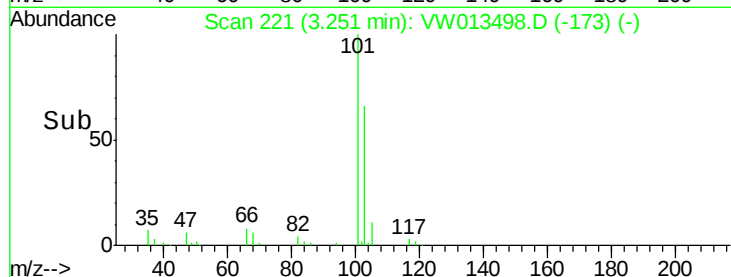
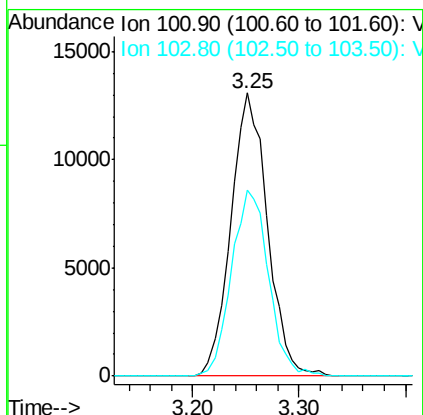
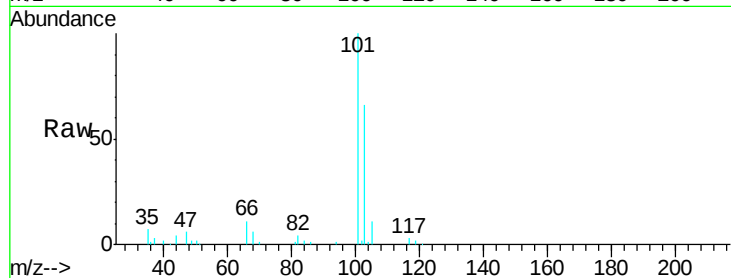


#7

Trichlorofluoromethane
 Concen: 22.407 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

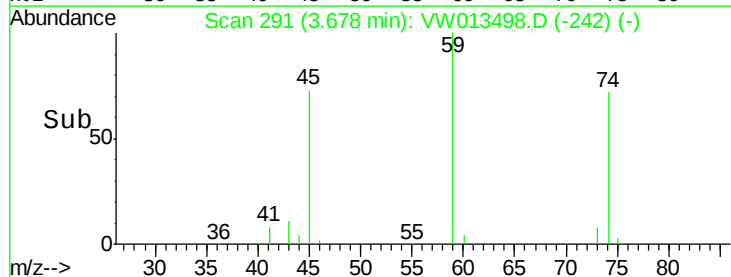
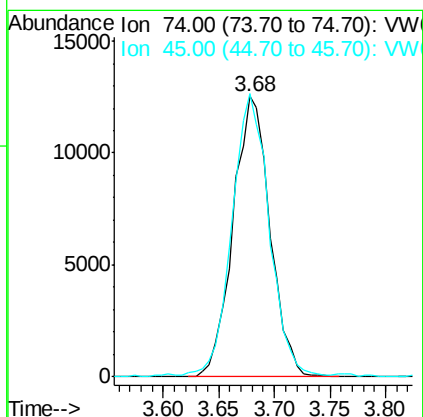
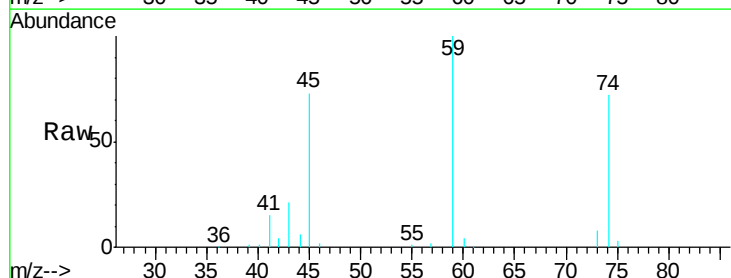
Tgt Ion: 101 Resp: 31499
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.7 80.5

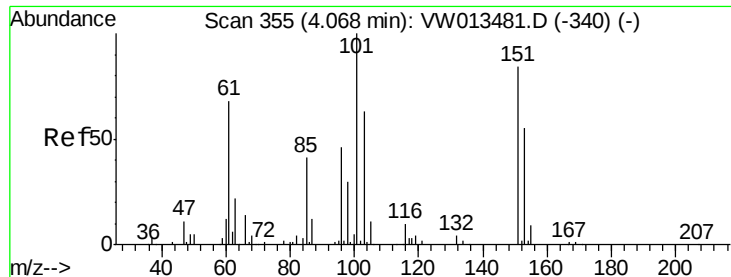


#8

Diethyl Ether
 Concen: 19.819 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 74 Resp: 28837
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

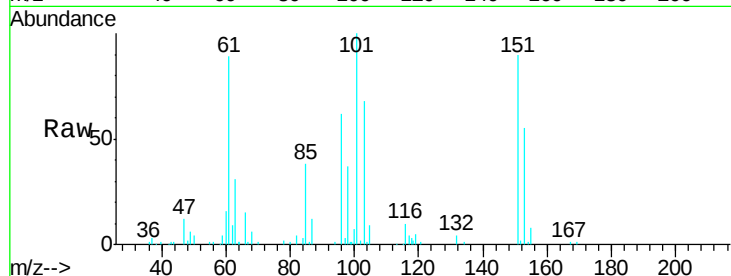
Tgt Ion:101 Resp: 59573

Ion Ratio Lower Upper

101 100

85 41.7 31.6 47.4

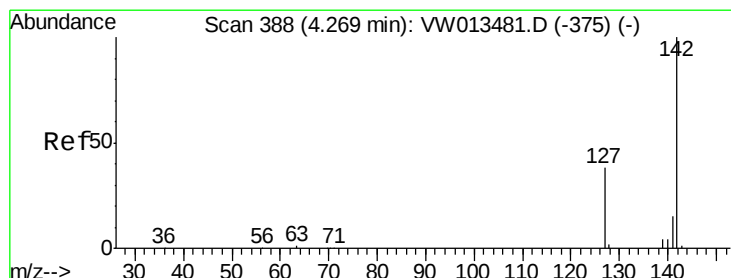
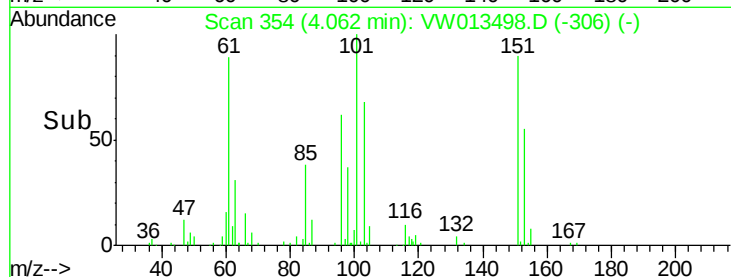
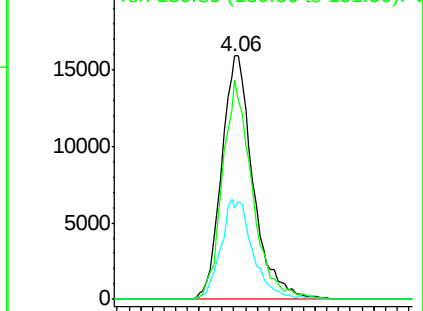
151 85.0 67.5 101.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.898 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

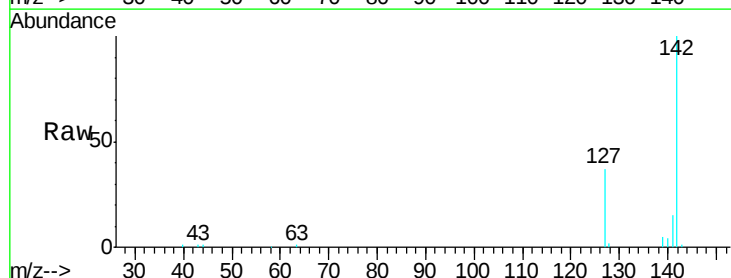
Tgt Ion:142 Resp: 95877

Ion Ratio Lower Upper

142 100

127 37.1 29.6 44.4

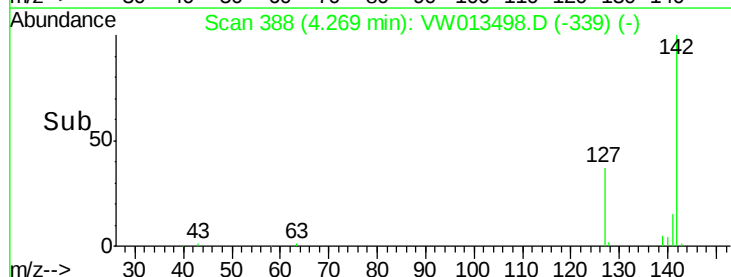
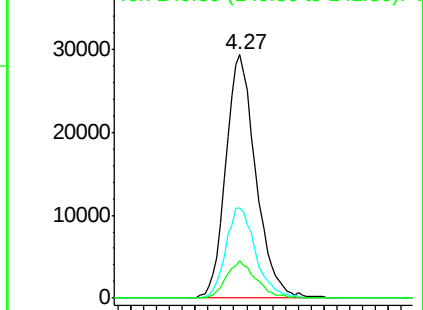
141 15.0 12.1 18.1

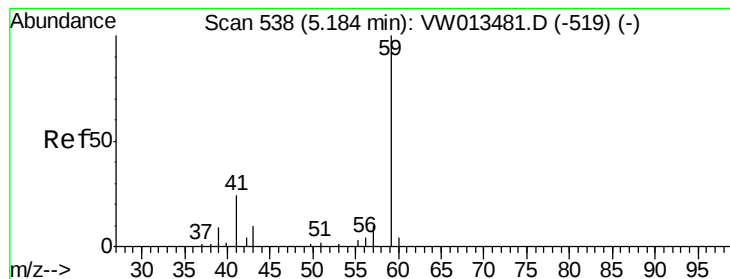


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



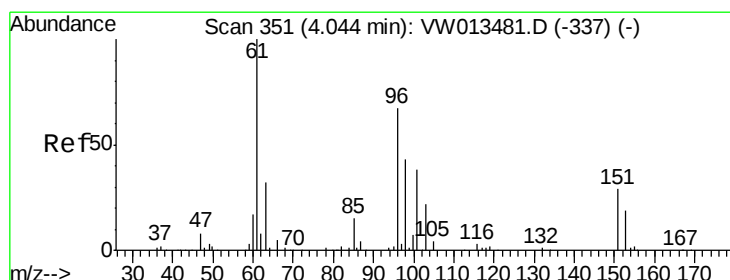
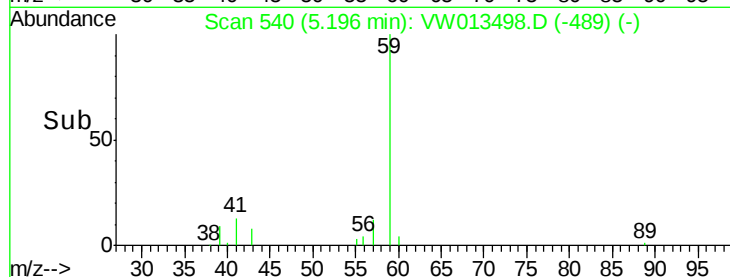
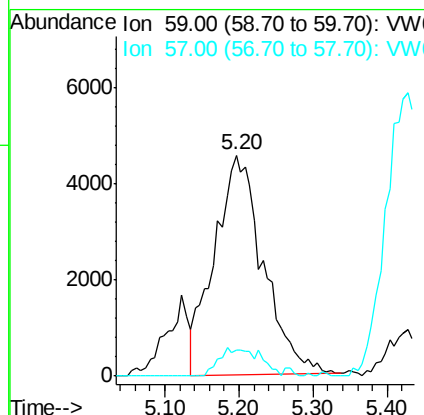
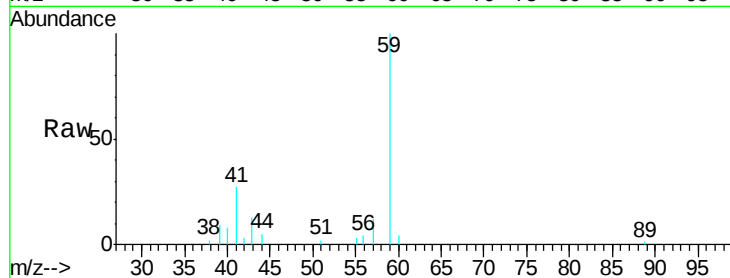


#11

Tert butyl alcohol
 Concen: 94.150 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

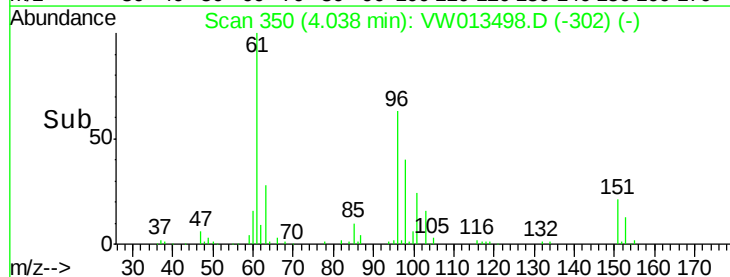
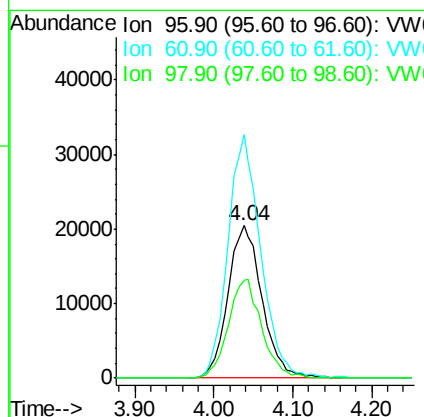
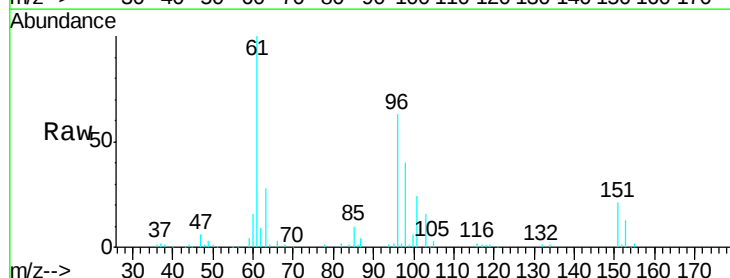
Tgt Ion: 59 Resp: 20934
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.2 12.4#

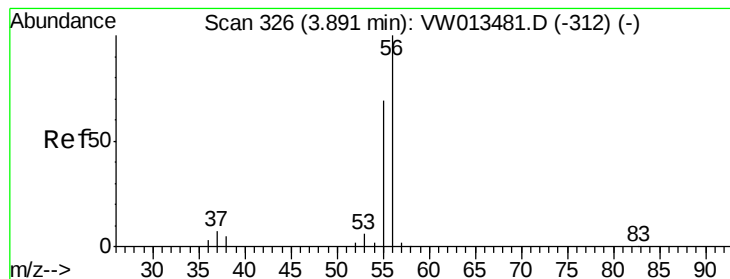


#12

1,1-Dichloroethene
 Concen: 20.484 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 96 Resp: 61505
 Ion Ratio Lower Upper
 96 100
 61 159.4 119.4 179.0
 98 64.0 51.1 76.7





#13

Acrolein

Concen: 103.005 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

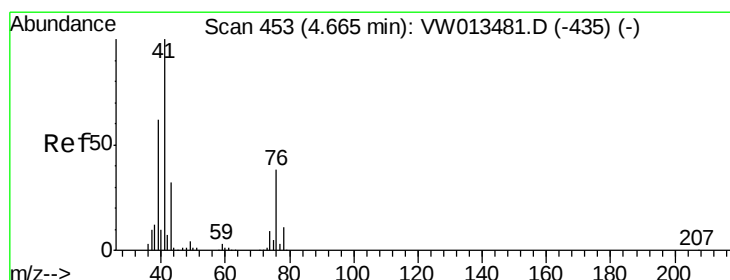
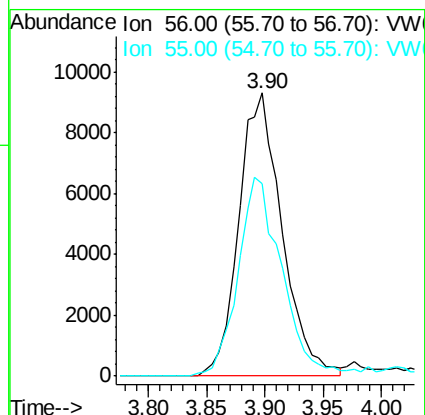
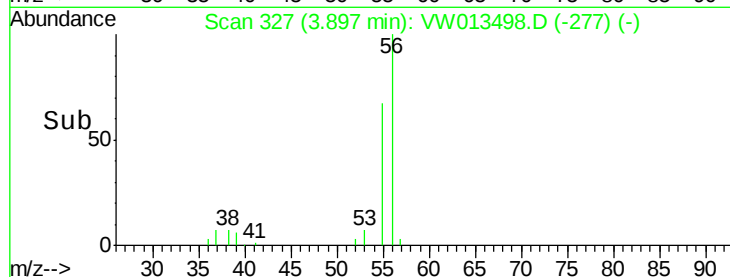
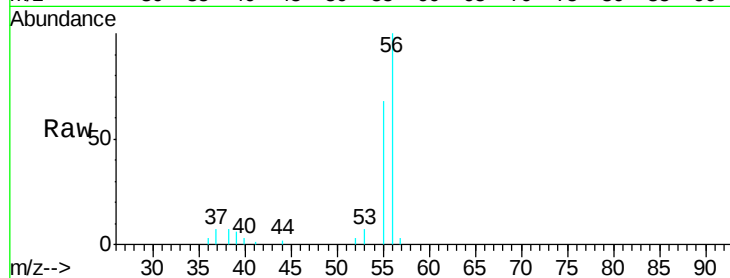
VW1009SBSD01

Tgt Ion: 56 Resp: 24120

Ion Ratio Lower Upper

56 100

55 70.8 55.9 83.9



#14

Allyl chloride

Concen: 20.978 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

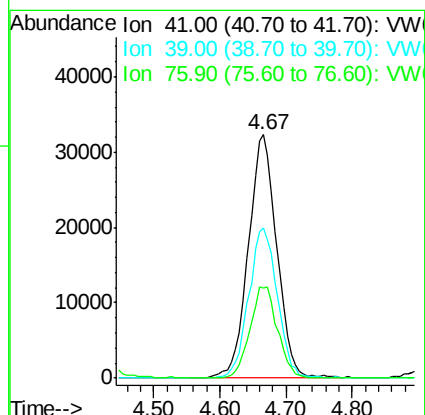
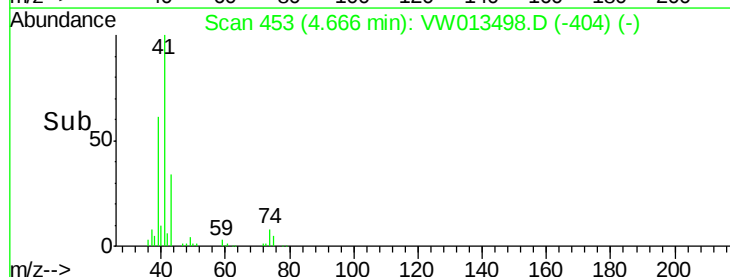
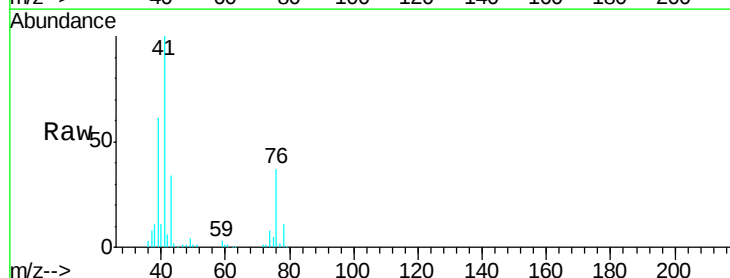
Tgt Ion: 41 Resp: 96794

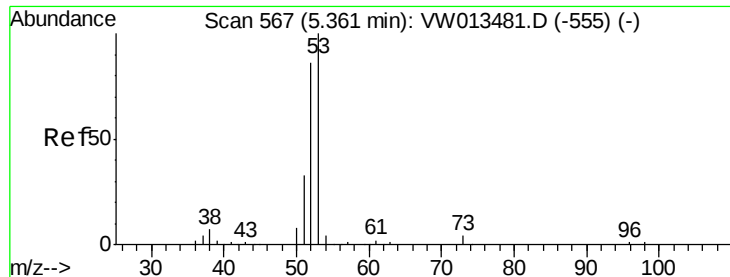
Ion Ratio Lower Upper

41 100

39 62.1 50.1 75.1

76 36.5 29.0 43.4





#15

Acrylonitrile

Concen: 96.284 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

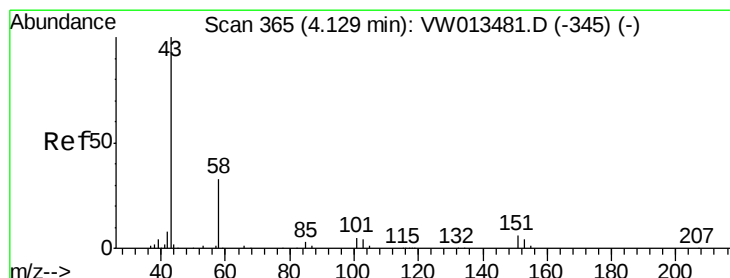
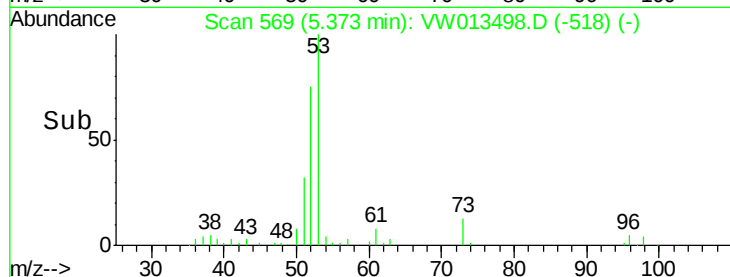
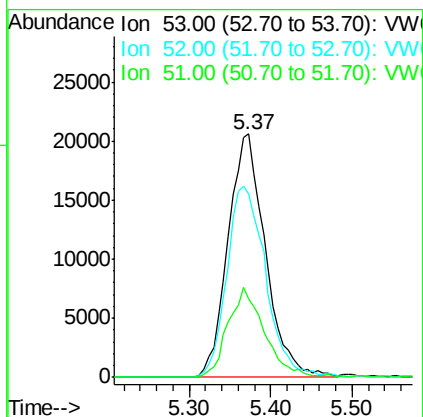
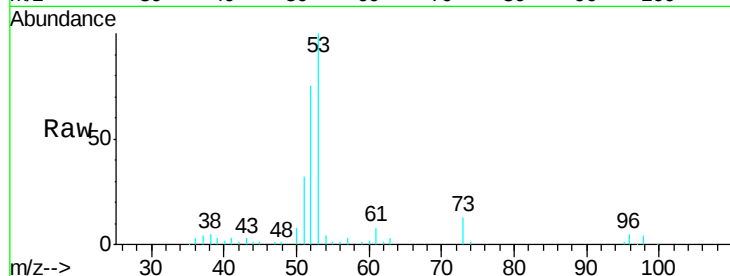
Tgt Ion: 53 Resp: 65477

Ion Ratio Lower Upper

53 100

52 81.7 65.8 98.8

51 36.2 28.6 42.8



#16

Acetone

Concen: 92.148 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013498.D

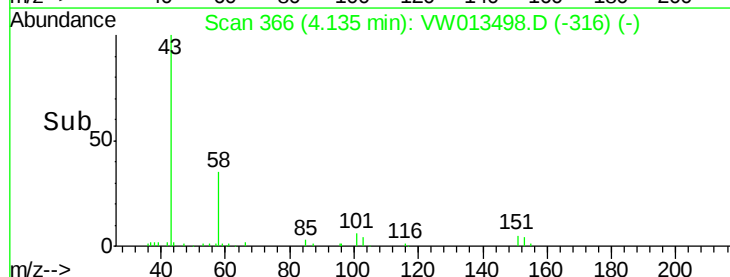
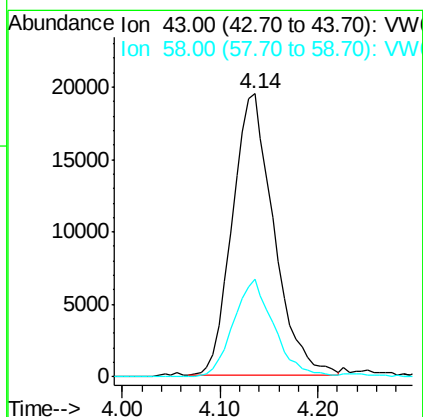
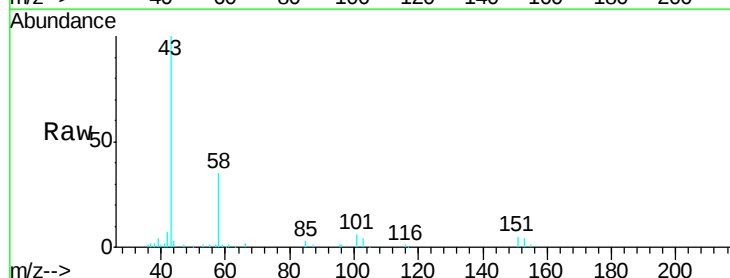
Acq: 09 Oct 2019 12:43

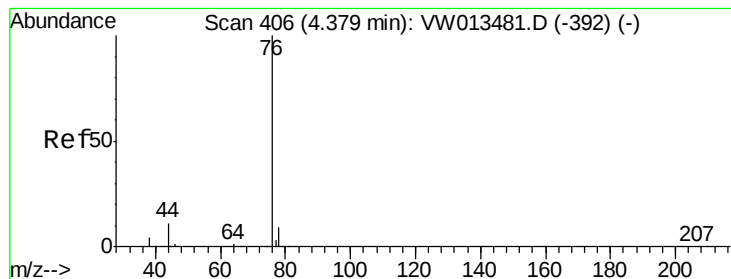
Tgt Ion: 43 Resp: 57314

Ion Ratio Lower Upper

43 100

58 34.8 26.1 39.1





#17

Carbon Disulfide

Concen: 20.616 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

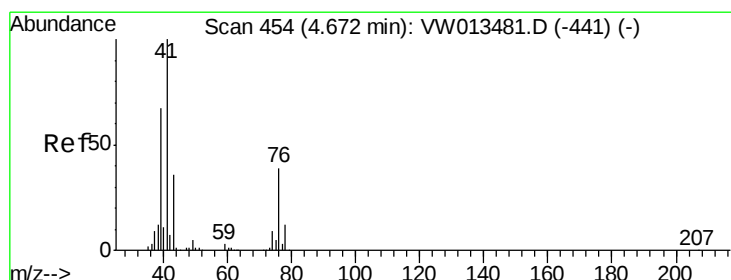
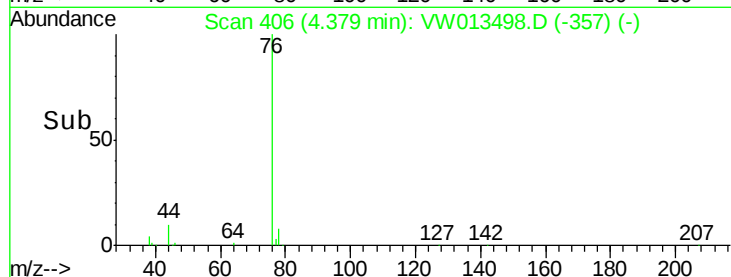
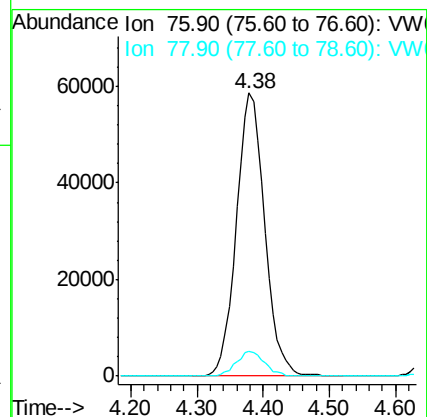
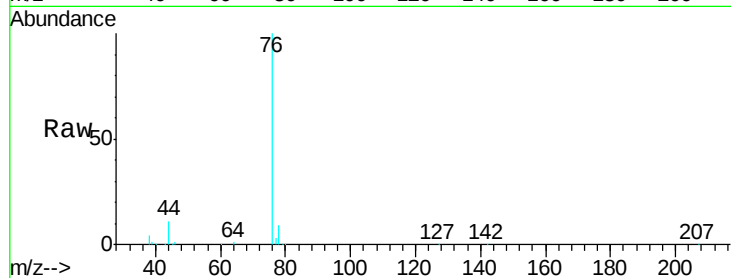
VW1009SBSD01

Tgt Ion: 76 Resp: 173750

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



#18

Methyl Acetate

Concen: 19.594 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW013498.D

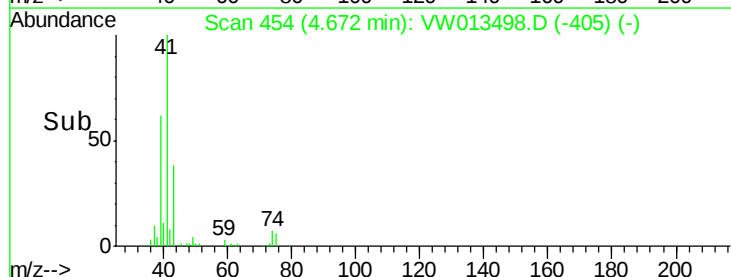
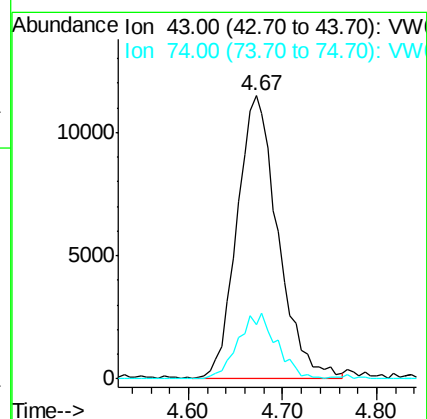
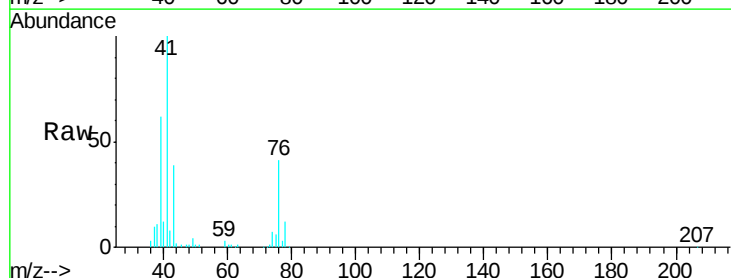
Acq: 09 Oct 2019 12:43

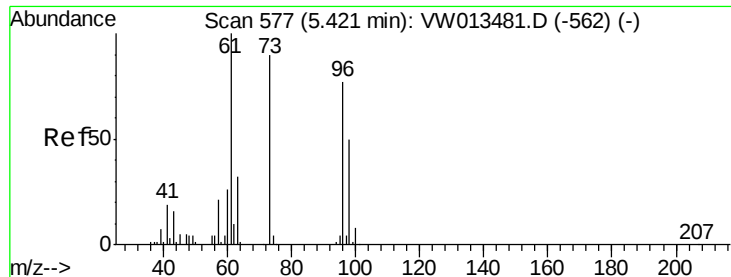
Tgt Ion: 43 Resp: 34909

Ion Ratio Lower Upper

43 100

74 22.0 19.6 29.4

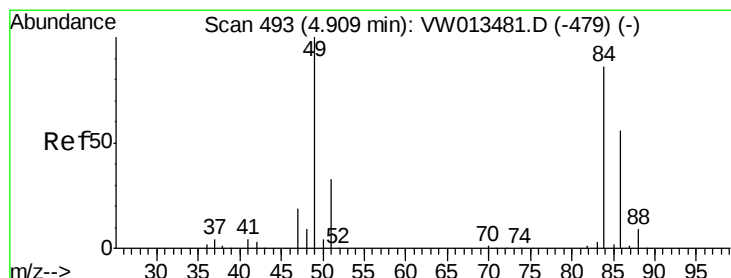
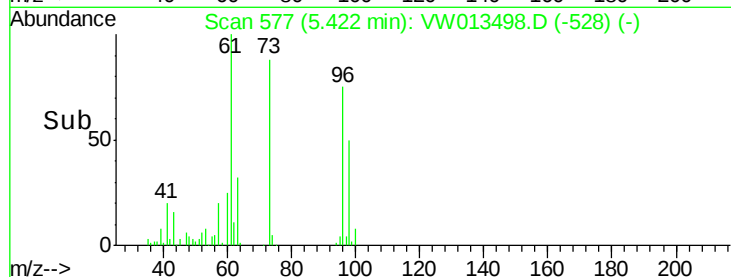
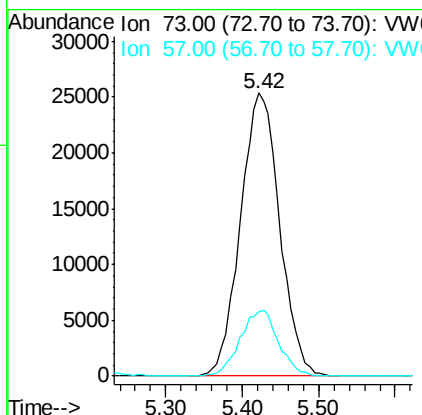
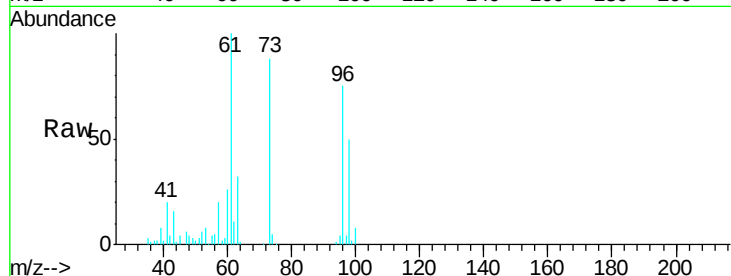




#19
Methyl tert-butyl Ether
Concen: 19.870 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

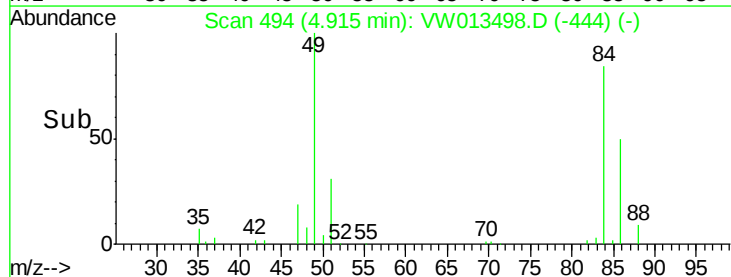
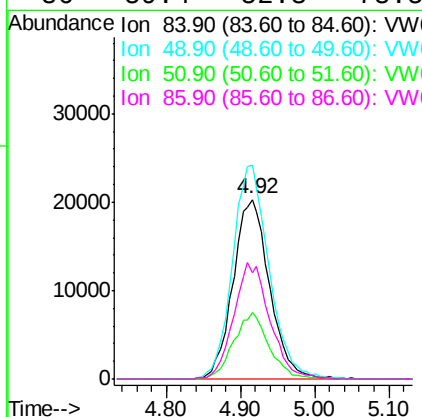
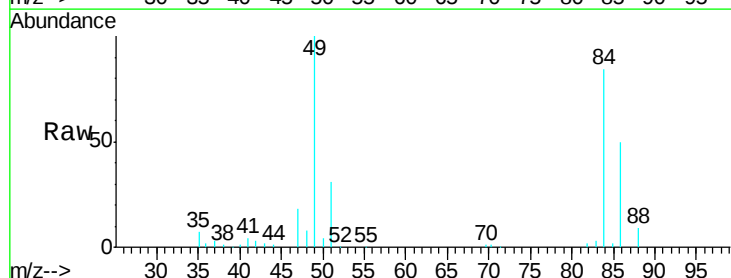
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

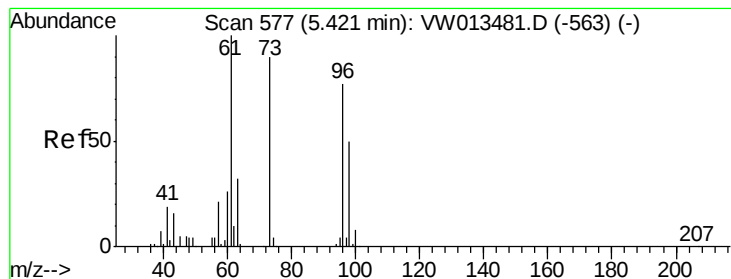
Tgt Ion: 73 Resp: 90214
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8



#20
Methylene Chloride
Concen: 20.731 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 84 Resp: 69485
Ion Ratio Lower Upper
84 100
49 119.2 93.4 140.0
51 37.1 30.6 46.0
86 59.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.730 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

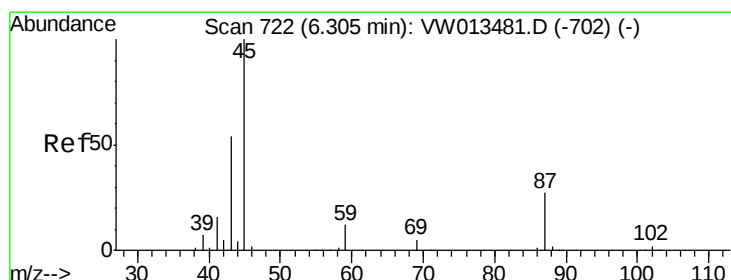
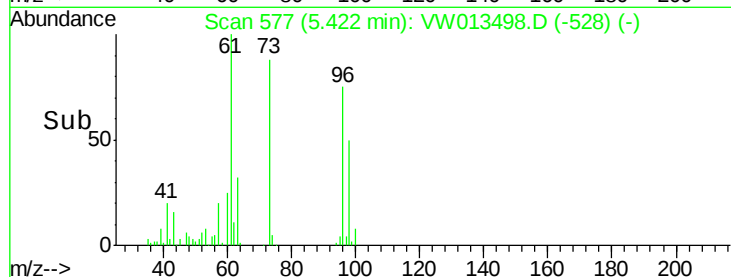
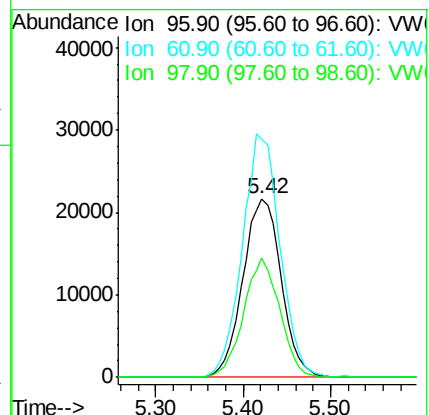
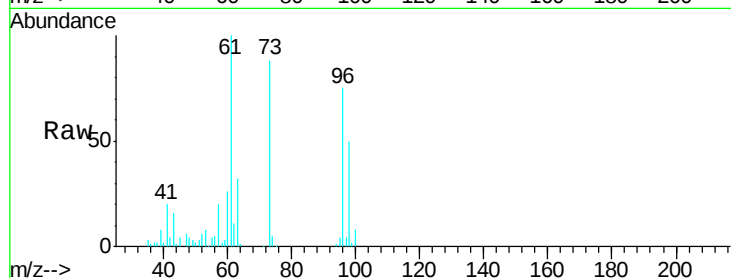
Tgt Ion: 96 Resp: 66138

Ion Ratio Lower Upper

96 100

61 133.3 104.3 156.5

98 66.8 51.8 77.8



#22

Diisopropyl ether

Concen: 20.534 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion: 45 Resp: 177524

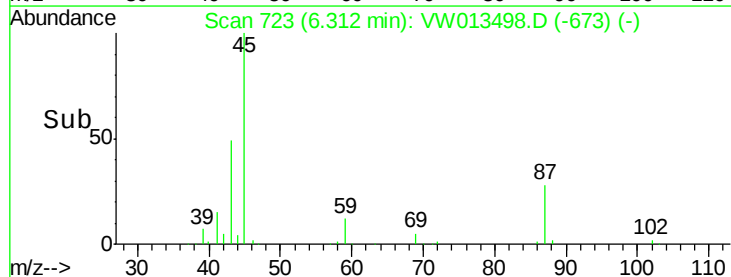
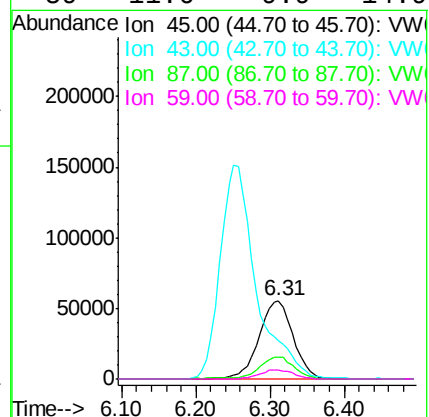
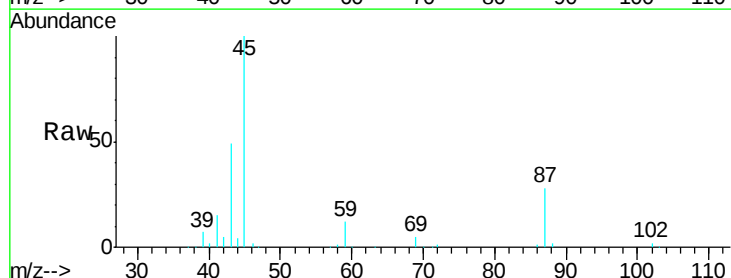
Ion Ratio Lower Upper

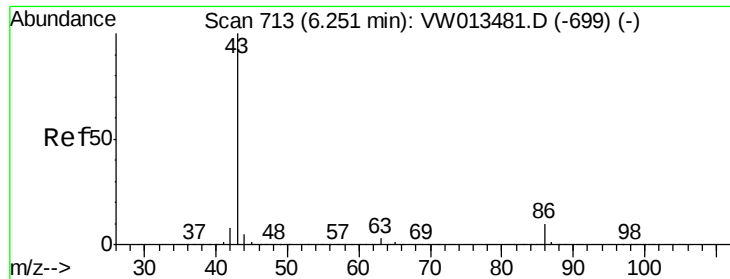
45 100

43 48.6 43.4 65.0

87 28.3 22.1 33.1

59 11.6 9.9 14.9





#23

Vinyl Acetate

Concen: 98.472 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

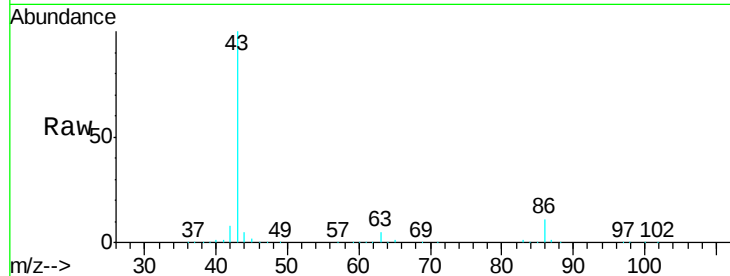
VW1009SBSD01

Tgt Ion: 43 Resp: 511096

Ion Ratio Lower Upper

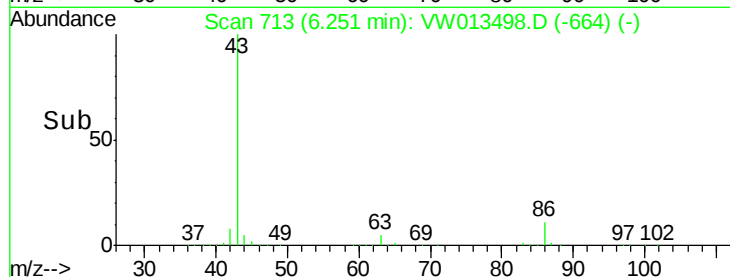
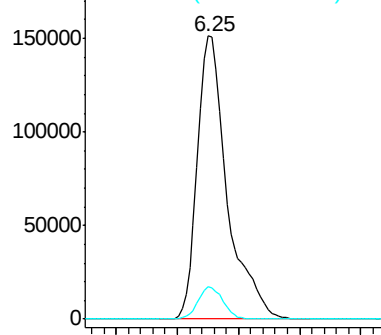
43 100

86 11.4 8.3 12.5

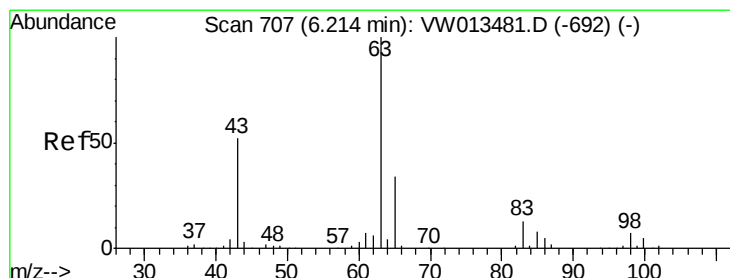


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.915 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

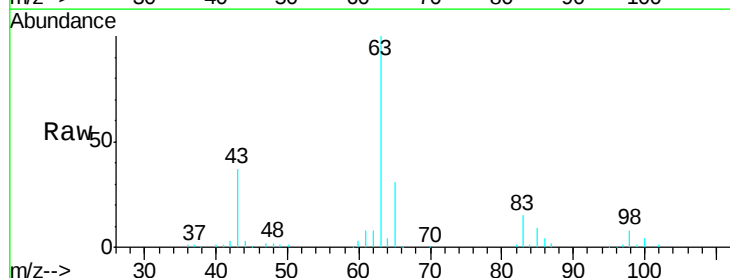
Tgt Ion: 63 Resp: 110517

Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.6

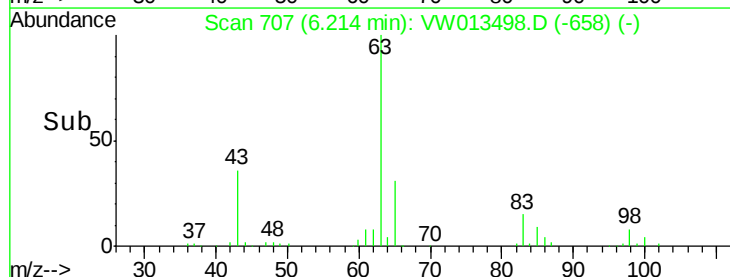
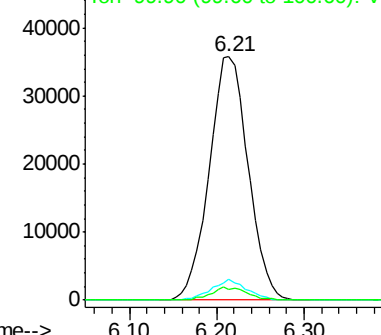
100 4.5 2.3 6.8



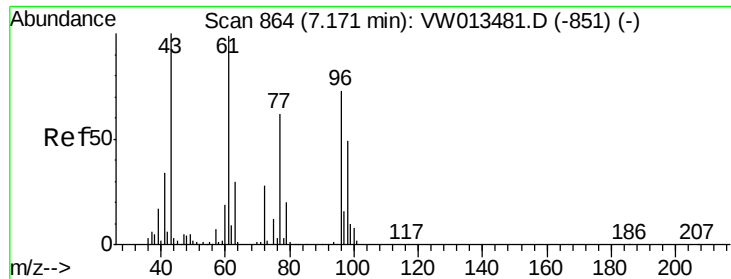
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->



#25

2-Butanone

Concen: 91.193 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

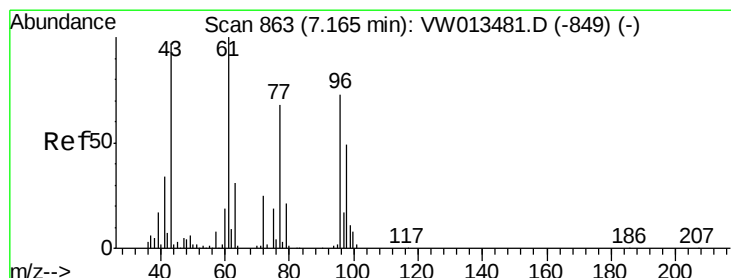
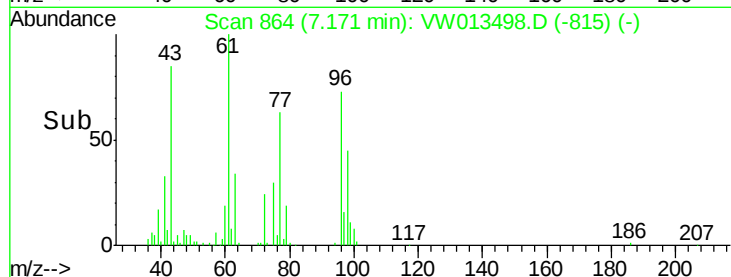
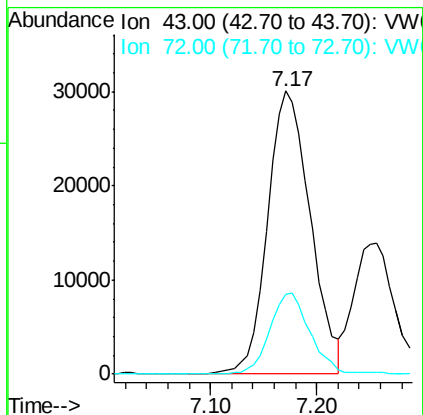
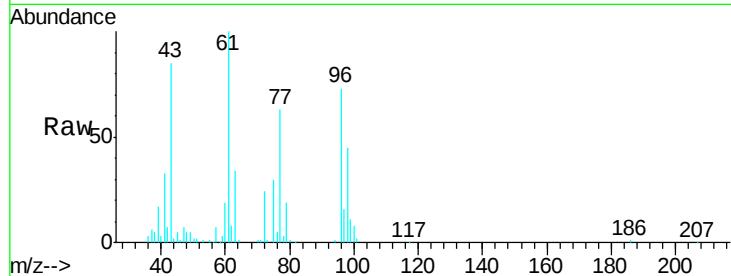
VW1009SBS01

Tgt Ion: 43 Resp: 83591

Ion Ratio Lower Upper

43 100

72 28.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 21.133 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013498.D

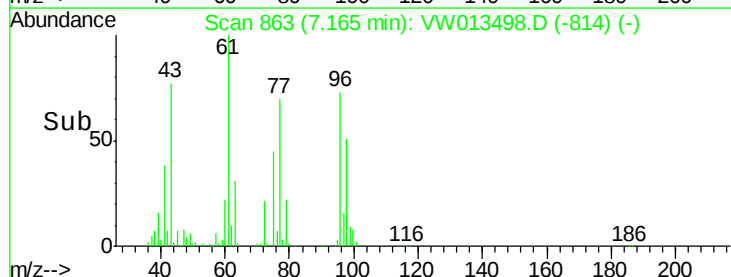
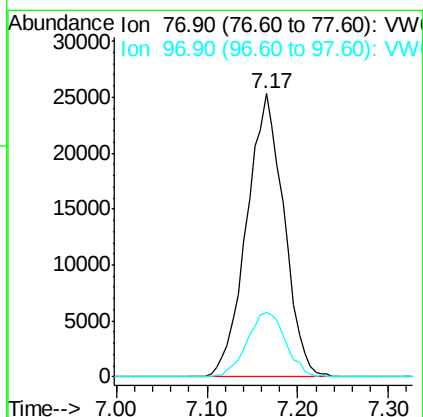
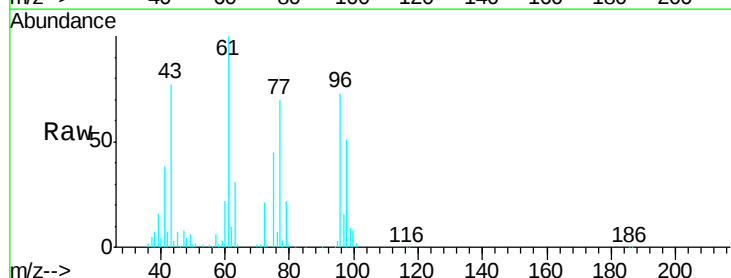
Acq: 09 Oct 2019 12:43

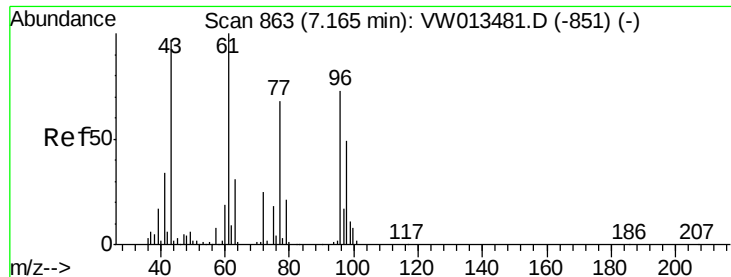
Tgt Ion: 77 Resp: 71987

Ion Ratio Lower Upper

77 100

97 23.6 12.6 37.6



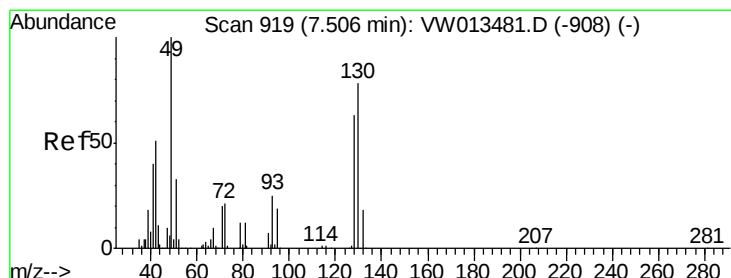
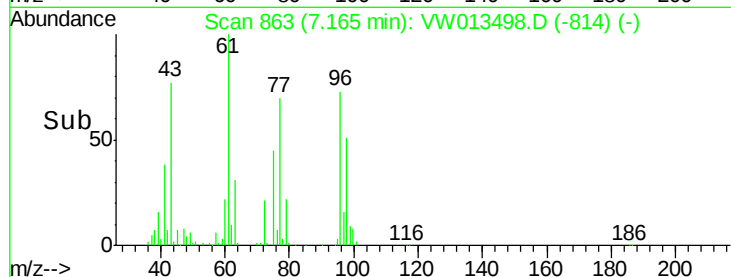
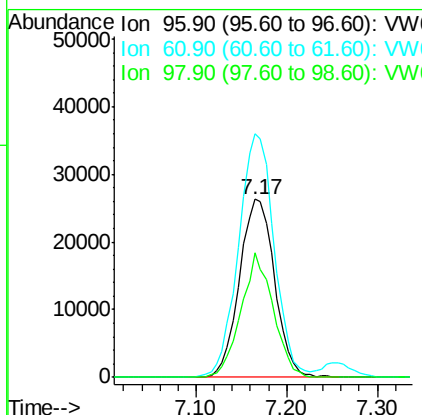
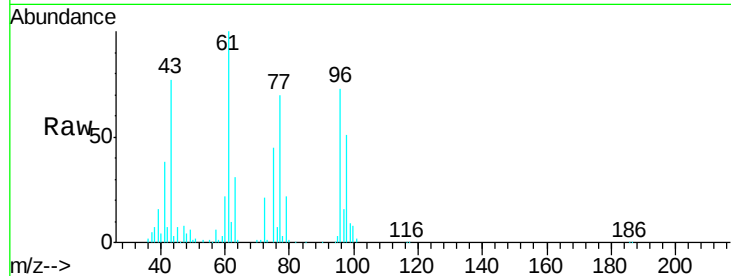


#27

cis-1,2-Dichloroethene
Concen: 20.933 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

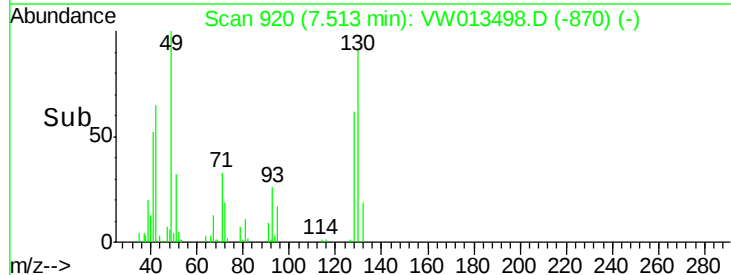
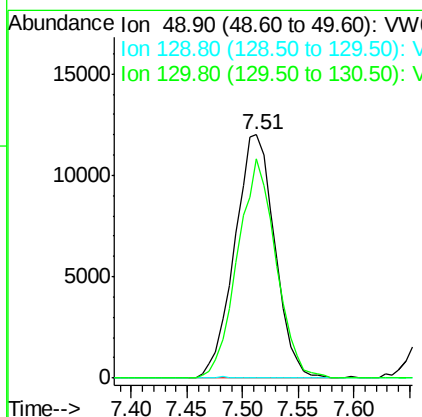
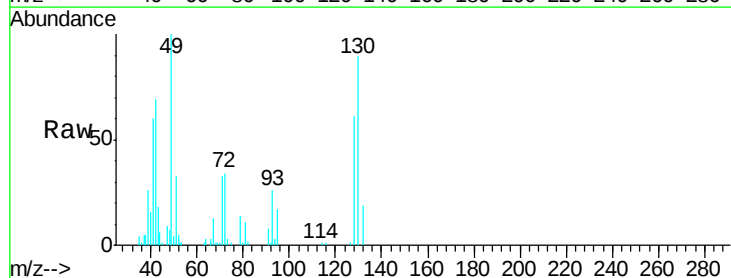
Tgt Ion: 96 Resp: 70669
Ion Ratio Lower Upper
96 100
61 138.9 0.0 274.4
98 63.9 0.0 130.2

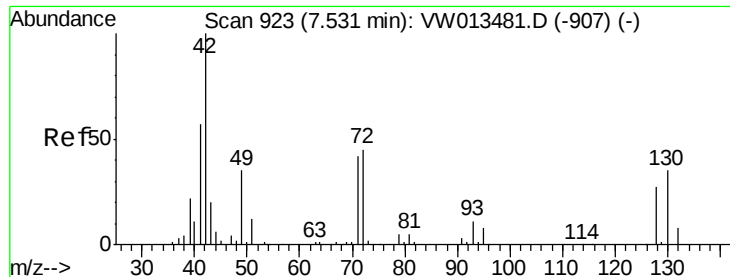


#28

Bromochloromethane
Concen: 16.347 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 49 Resp: 30031
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.6
130 86.2 0.0 0.0#





#29

Tetrahydrofuran

Concen: 94.034 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

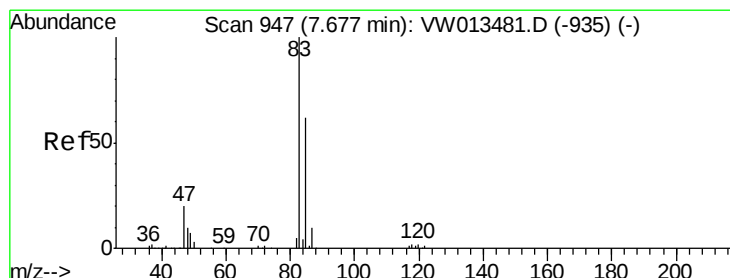
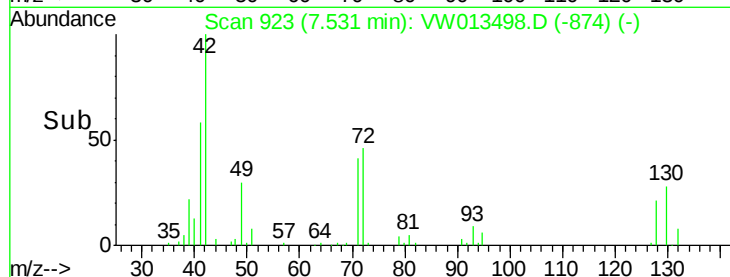
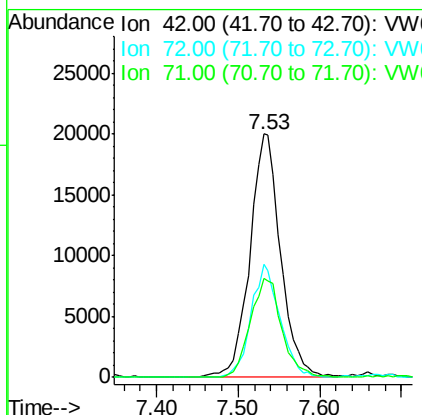
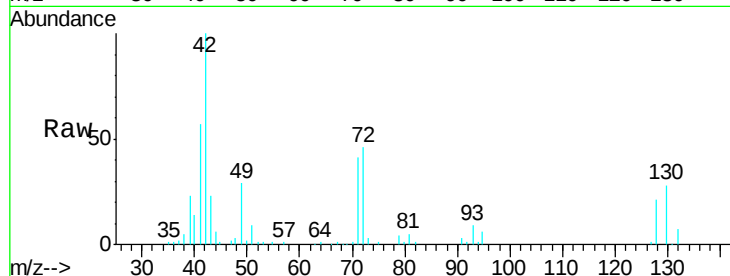
Tgt Ion: 42 Resp: 52681

Ion Ratio Lower Upper

42 100

72 43.7 34.8 52.2

71 41.4 33.6 50.4



#30

Chloroform

Concen: 20.853 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013498.D

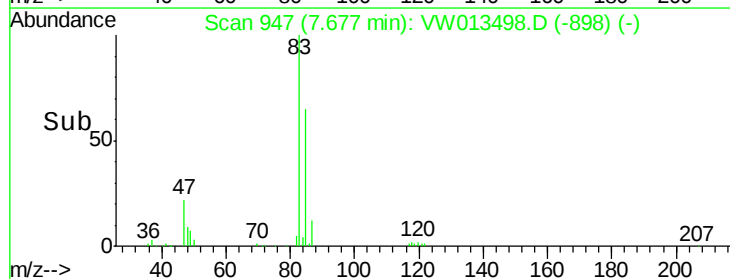
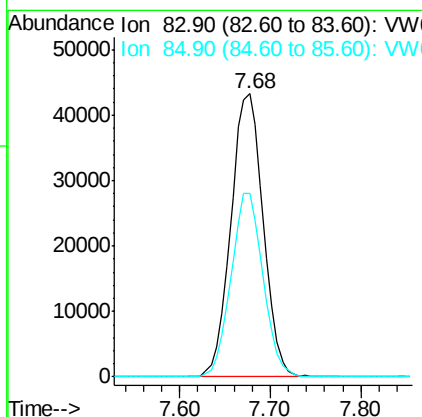
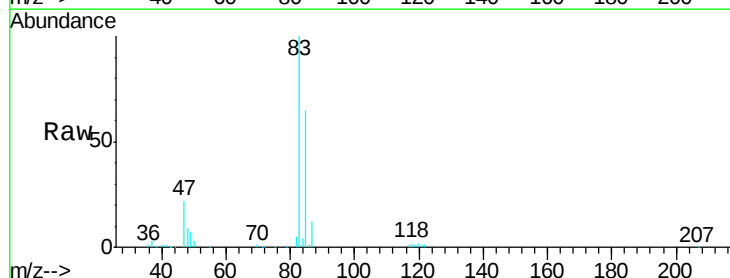
Acq: 09 Oct 2019 12:43

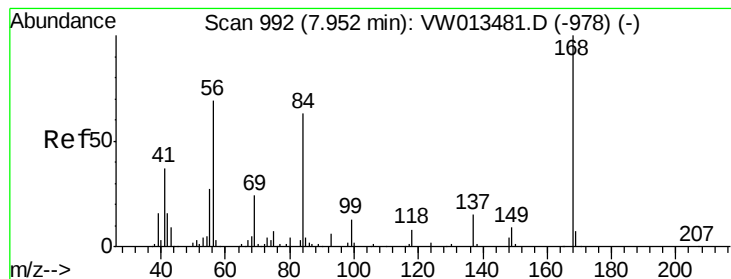
Tgt Ion: 83 Resp: 106584

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.2





#31

Cyclohexane

Concen: 20.614 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

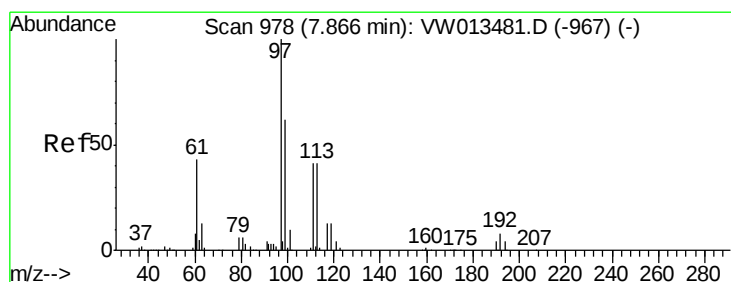
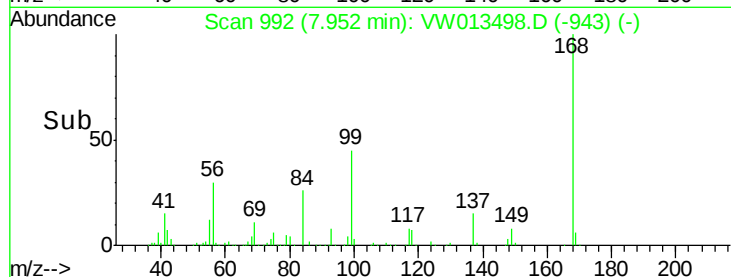
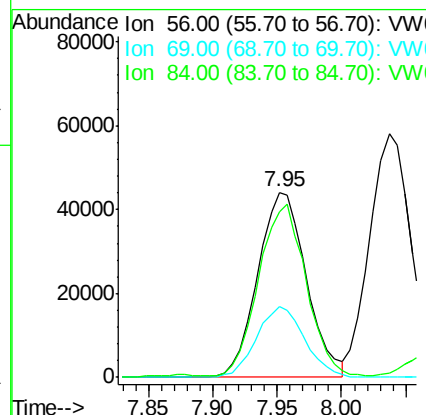
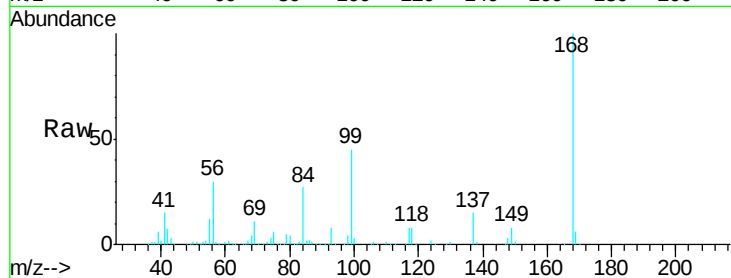
Tgt Ion: 56 Resp: 115290

Ion Ratio Lower Upper

56 100

69 38.2 28.0 42.0

84 88.8 71.8 107.6



#32

1,1,1-Trichloroethane

Concen: 21.338 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

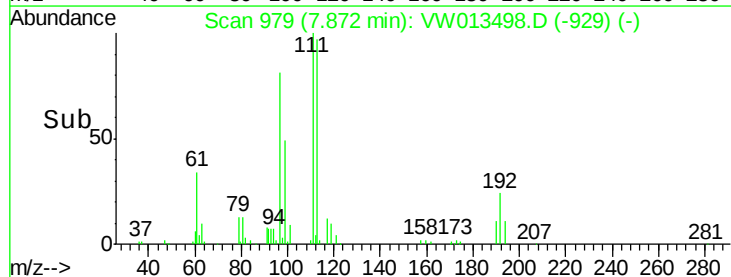
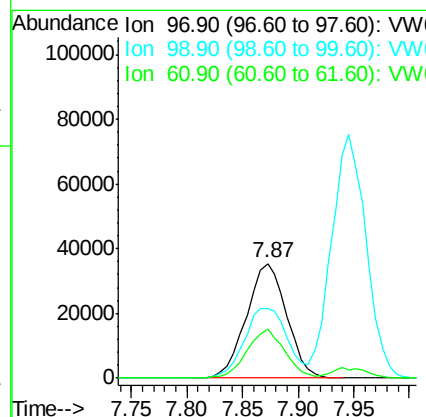
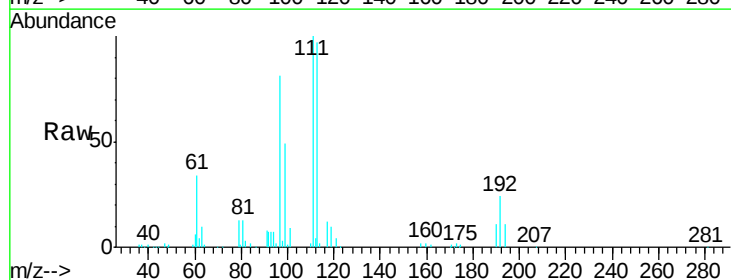
Tgt Ion: 97 Resp: 88657

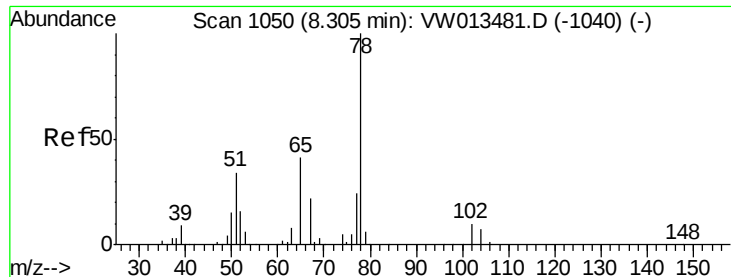
Ion Ratio Lower Upper

97 100

99 66.3 52.3 78.5

61 40.1 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 47.306 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

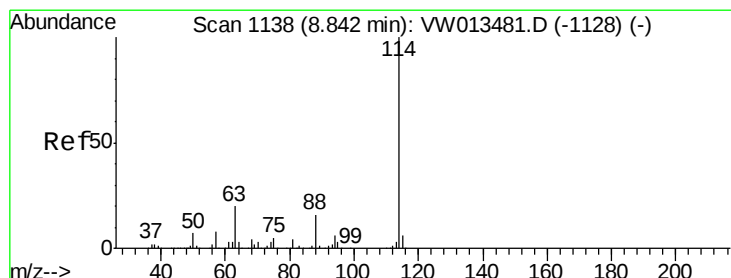
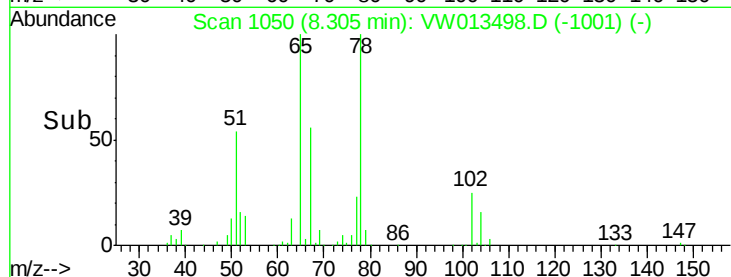
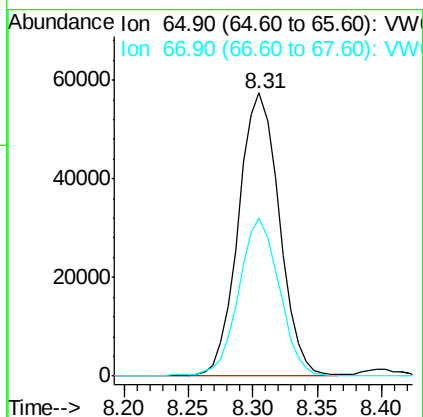
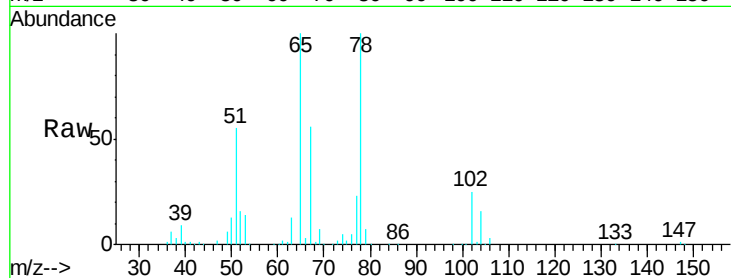
VW1009SBSD01

Tgt Ion: 65 Resp: 126439

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

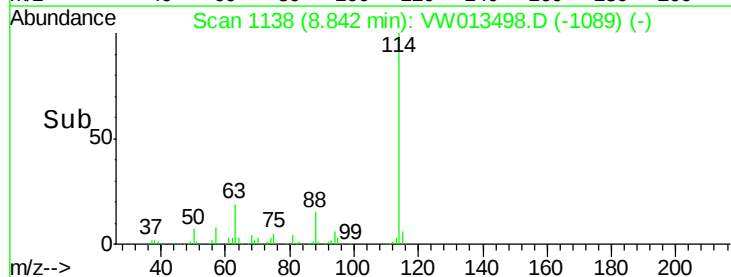
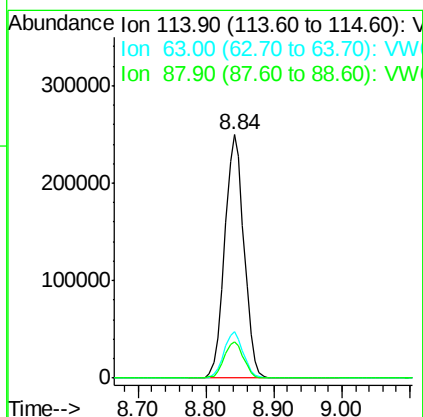
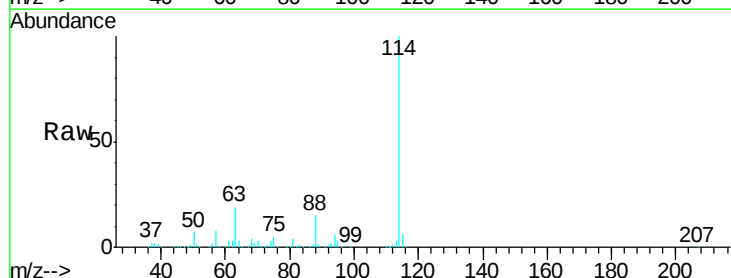
Tgt Ion: 114 Resp: 488485

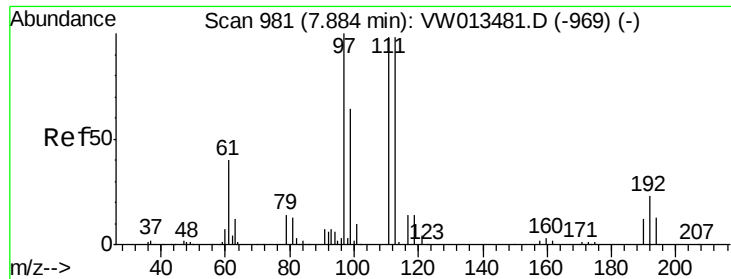
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.4

88 14.8 0.0 31.4

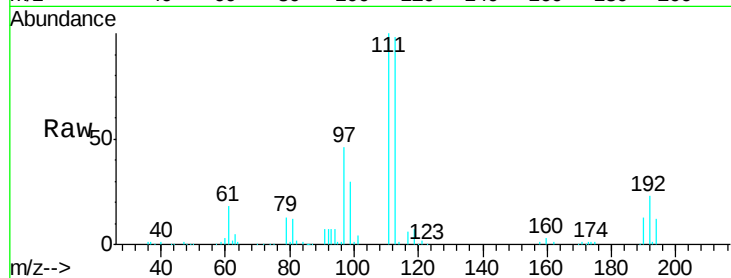




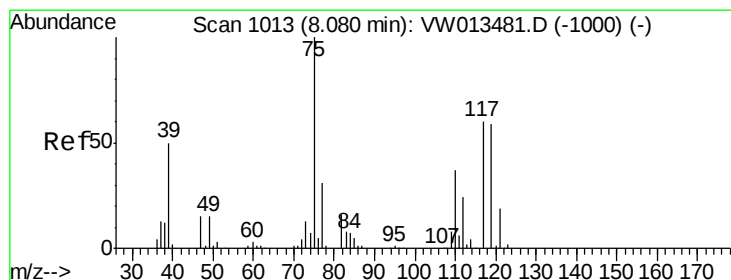
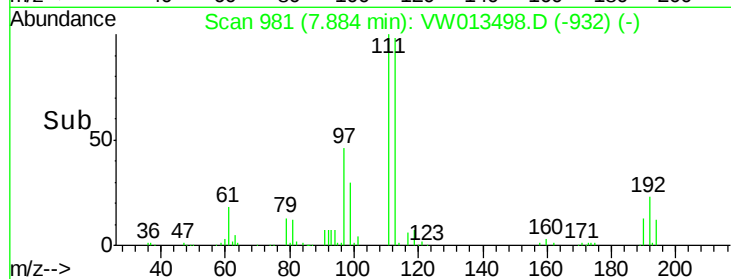
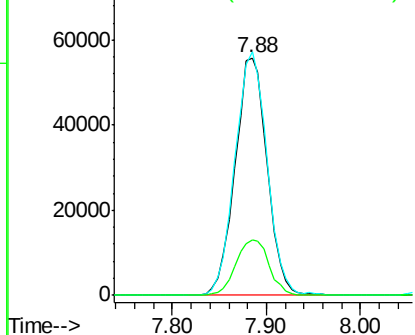
#35
 Dibromofluoromethane
 Concen: 48.626 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	24.1	19.3	28.9

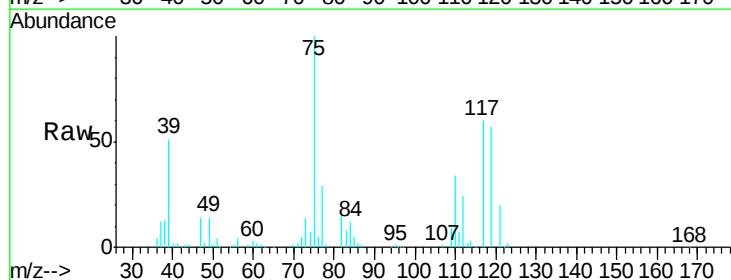


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

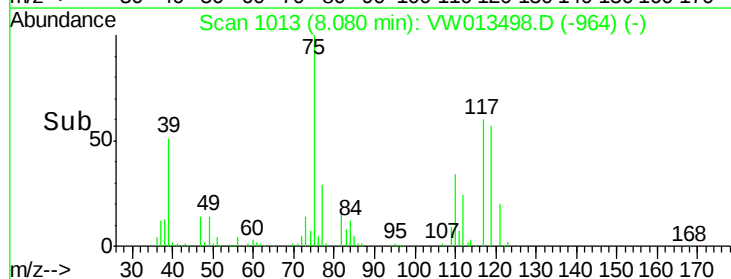
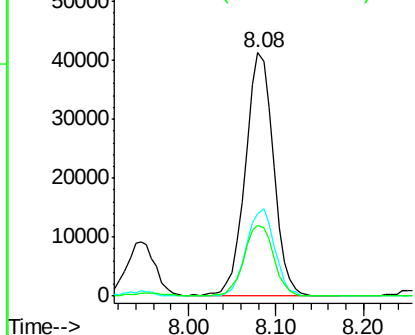


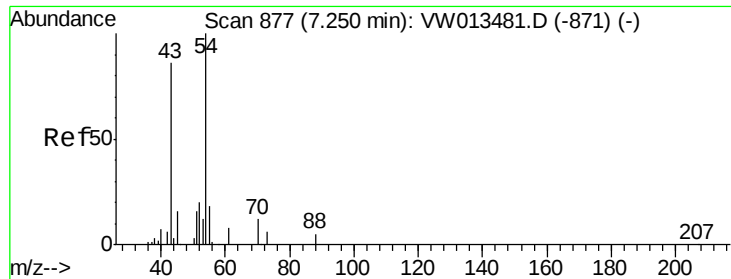
#36
 1,1-Dichloropropene
 Concen: 20.904 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	30.9	25.0	37.4



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

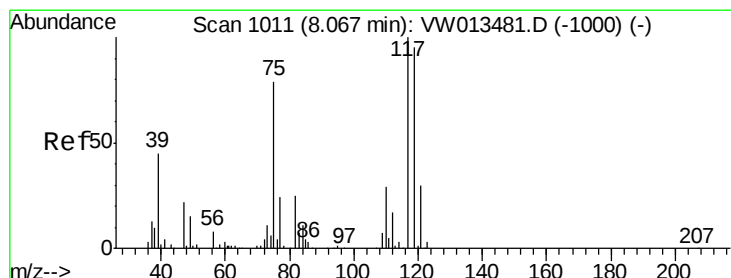
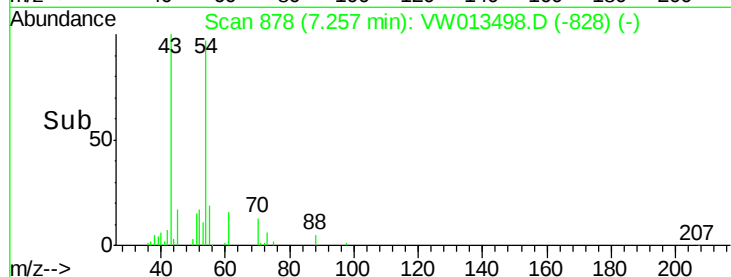
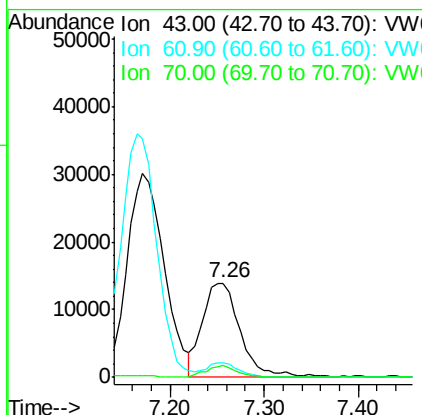
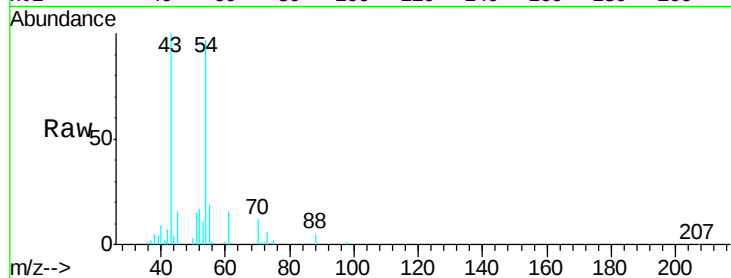




#37
Ethyl Acetate
Concen: 19.048 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

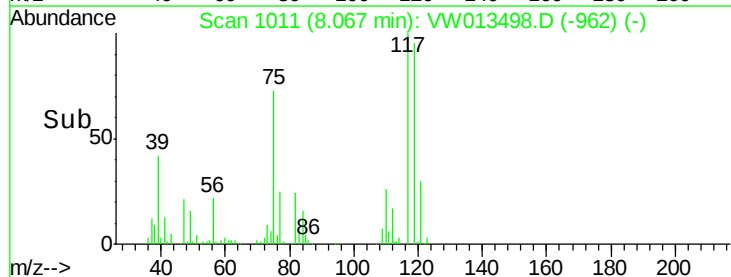
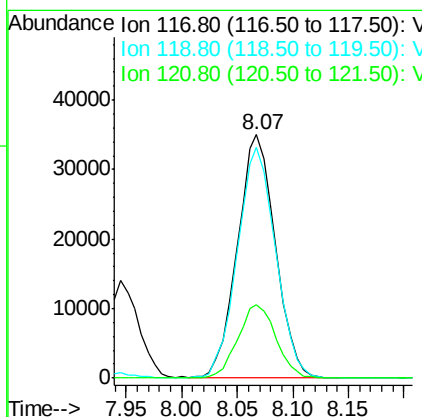
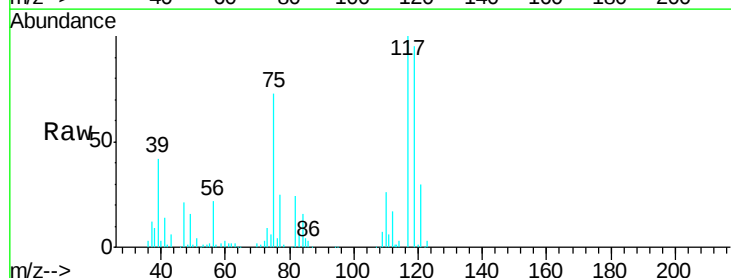
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

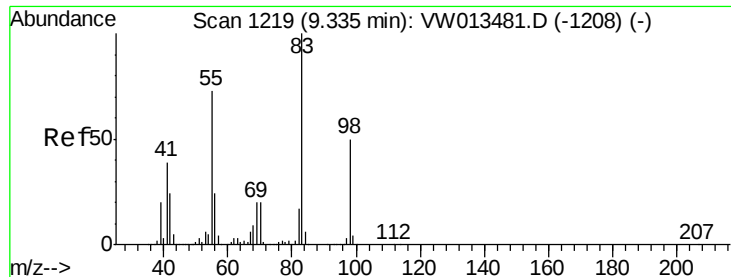
Tgt Ion: 43 Resp: 38191
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 10.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 21.182 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 117 Resp: 82976
Ion Ratio Lower Upper
117 100
119 94.7 76.3 114.5
121 30.0 23.6 35.4

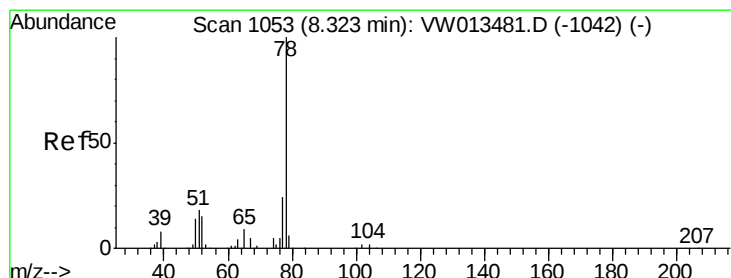
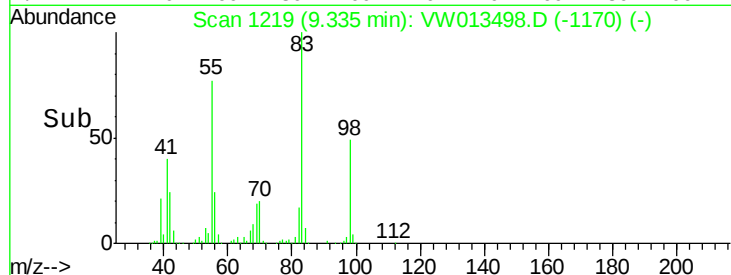
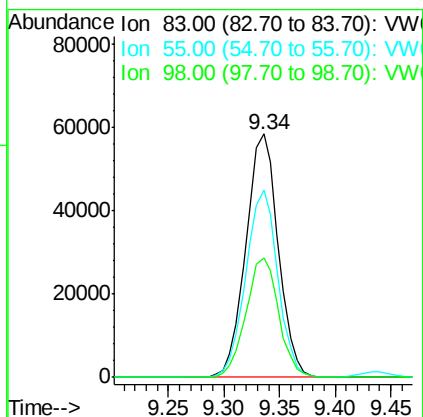
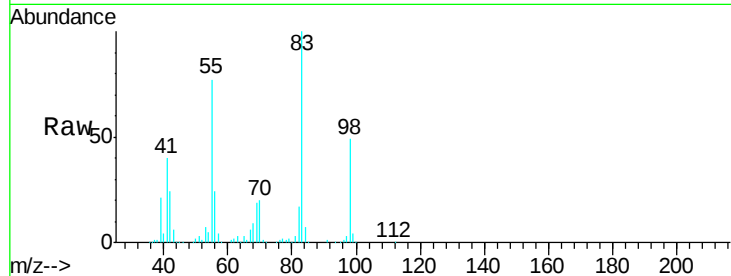




#39
Methylcyclohexane
Concen: 20.706 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

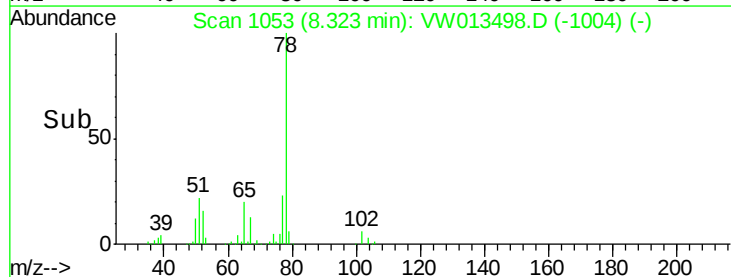
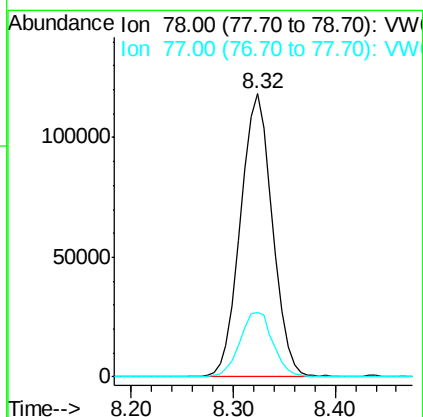
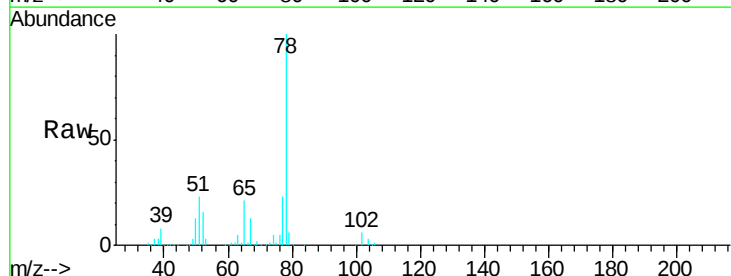
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

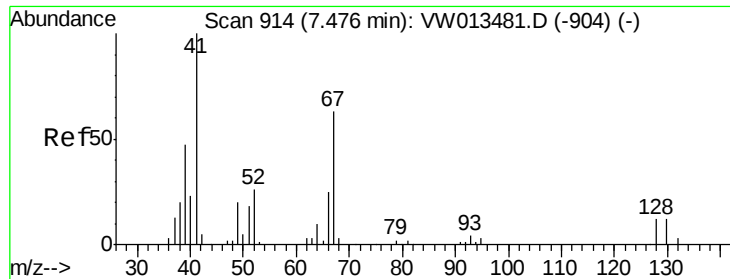
Tgt Ion: 83 Resp: 118543
Ion Ratio Lower Upper
83 100
55 77.0 58.2 87.4
98 49.0 39.8 59.6



#40
Benzene
Concen: 20.931 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 78 Resp: 258196
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8

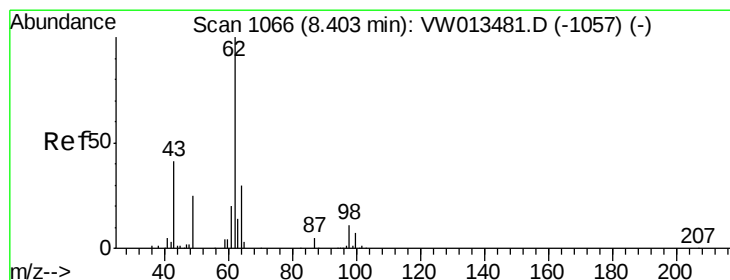
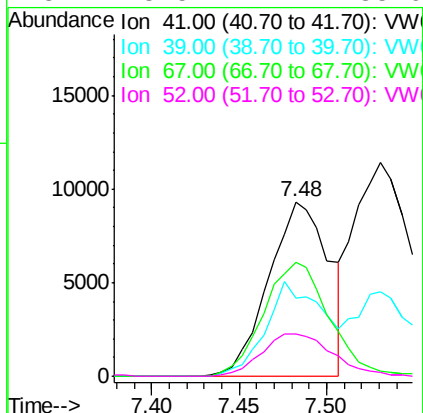
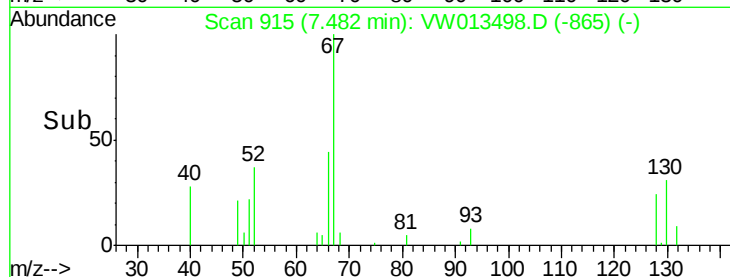
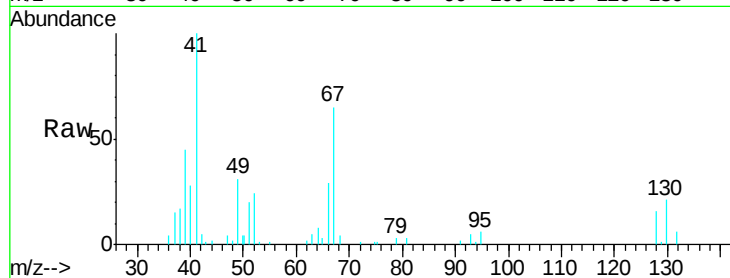




#41
Methacrylonitrile
Concen: 19.659 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

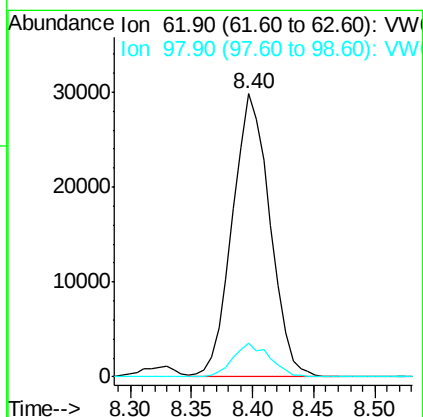
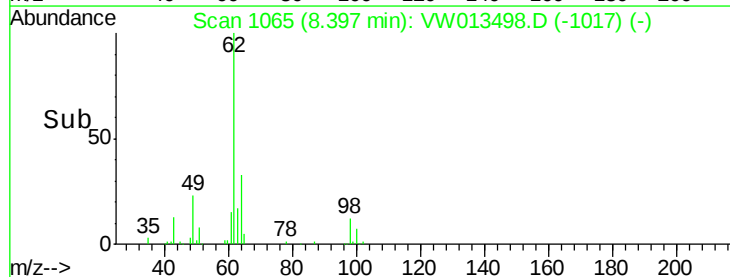
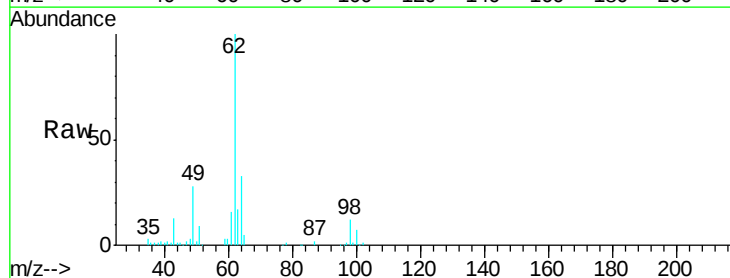
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

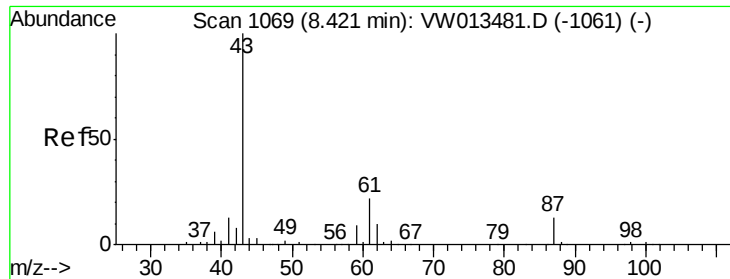
Tgt Ion:	41	Resp:	22414
Ion	Ratio	Lower	Upper
41	100		
39	51.5	39.4	59.0
67	70.8	57.0	85.6
52	28.5	22.4	33.6



#42
1,2-Dichloroethane
Concen: 20.454 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:	62	Resp:	63775
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.006 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

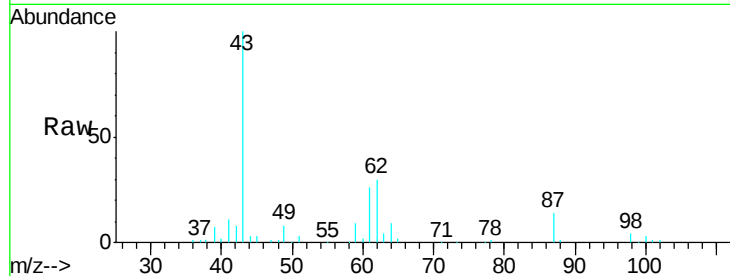
Tgt Ion: 43 Resp: 68844

Ion Ratio Lower Upper

43 100

61 32.6 25.4 38.2

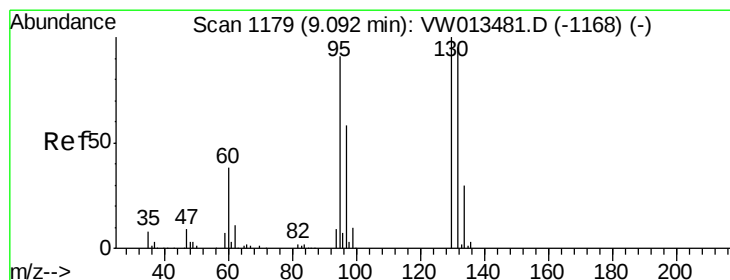
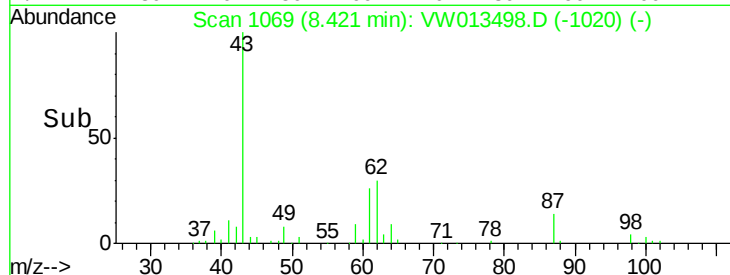
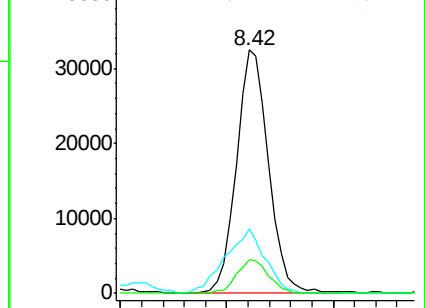
87 13.6 10.8 16.2



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: 20.457 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013498.D

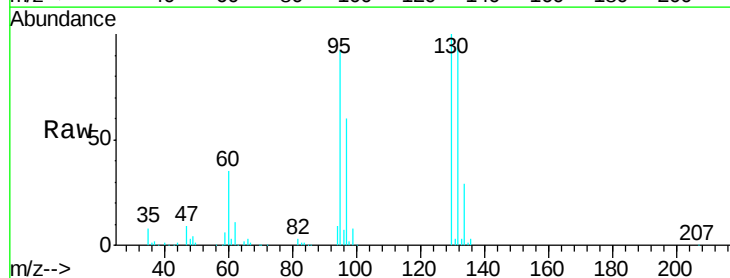
Acq: 09 Oct 2019 12:43

Tgt Ion: 130 Resp: 71989

Ion Ratio Lower Upper

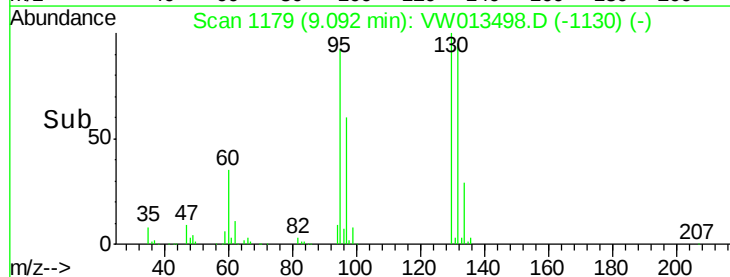
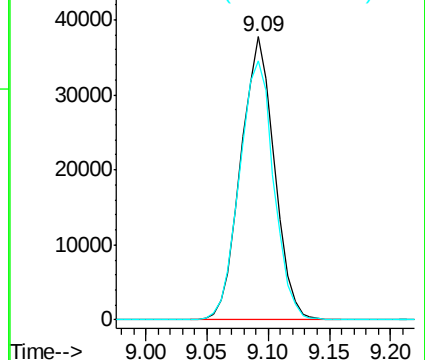
130 100

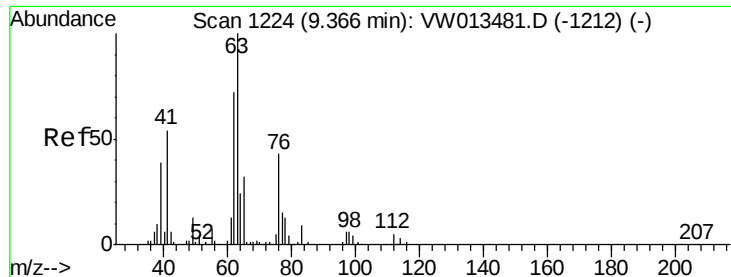
95 91.6 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

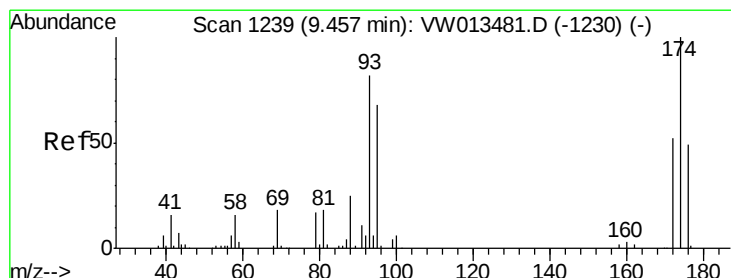
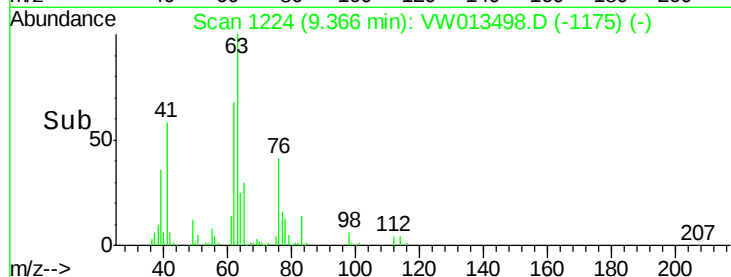
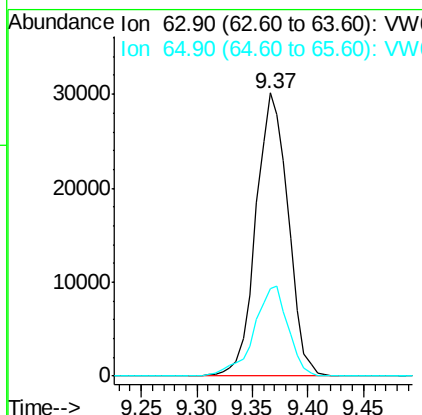
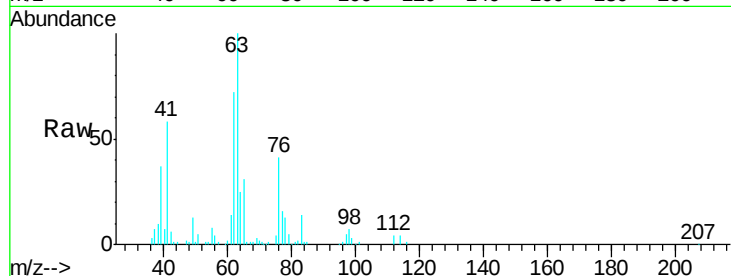




#45
 1,2-Dichloropropane
 Concen: 20.525 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

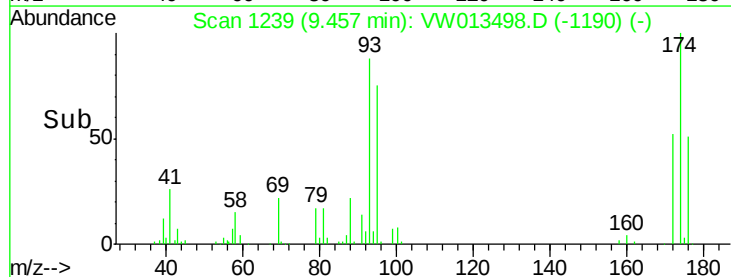
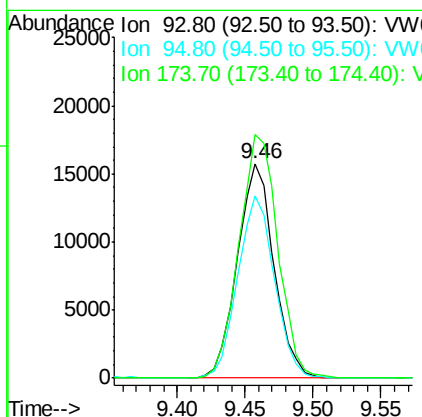
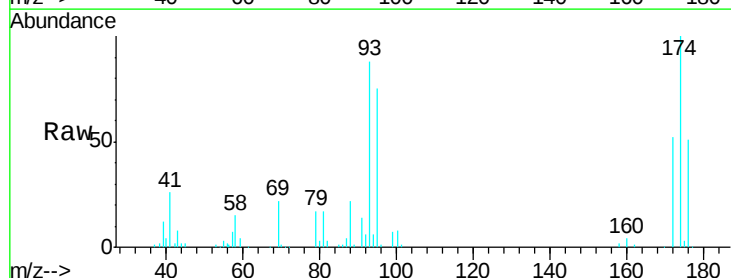
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

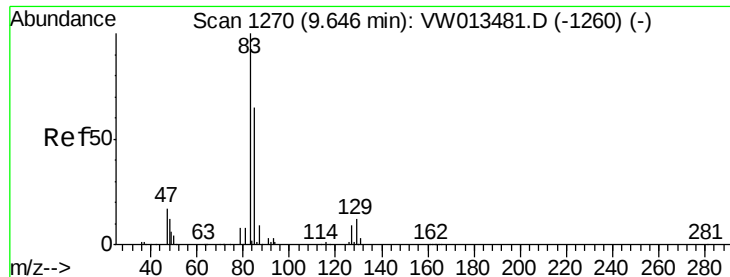
Tgt Ion: 63 Resp: 60770
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.8 38.6



#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 93 Resp: 29574
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.0 102.0
 174 121.1 97.0 145.6

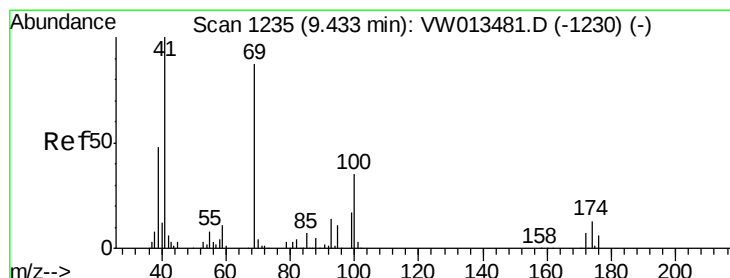
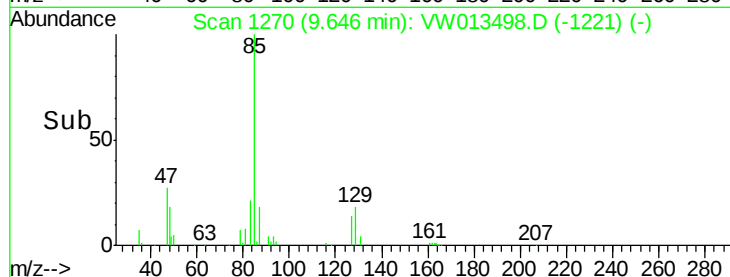
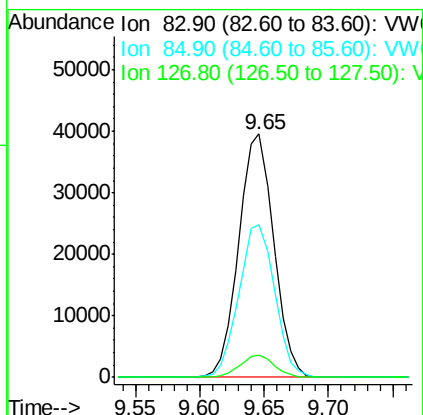
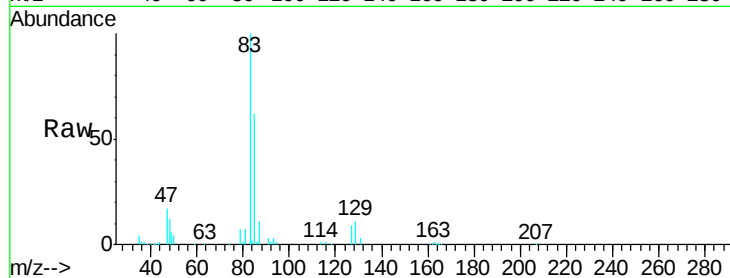




#47
 Bromodichloromethane
 Concen: 20.292 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

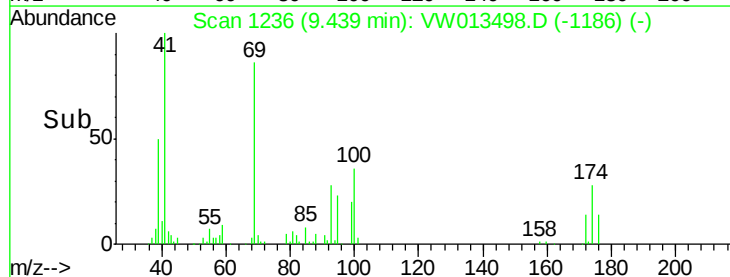
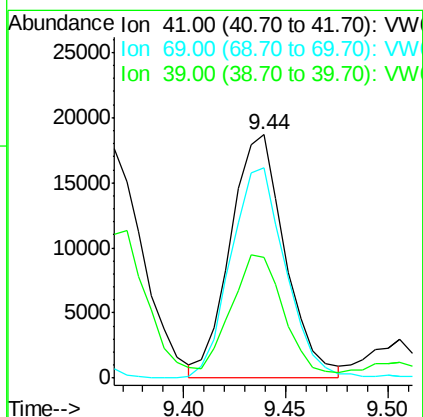
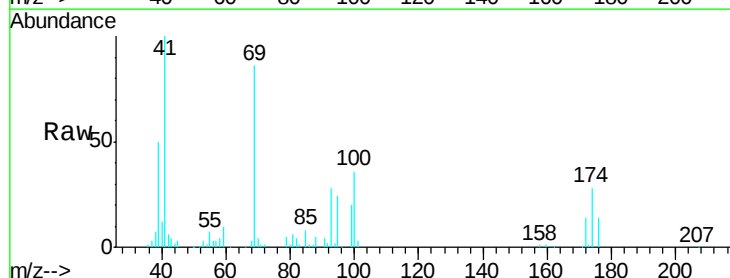
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

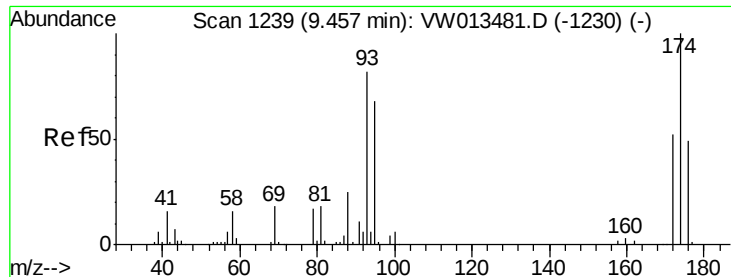
Tgt Ion: 83 Resp: 74401
 Ion Ratio Lower Upper
 83 100
 85 62.5 51.9 77.9
 127 8.9 7.4 11.2



#48
 Methyl methacrylate
 Concen: 19.439 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 41 Resp: 34684
 Ion Ratio Lower Upper
 41 100
 69 87.1 70.4 105.6
 39 44.9 37.3 55.9

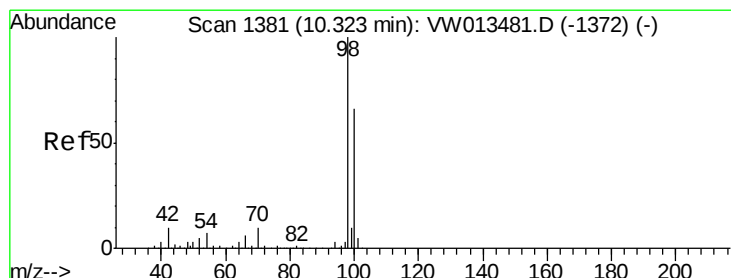
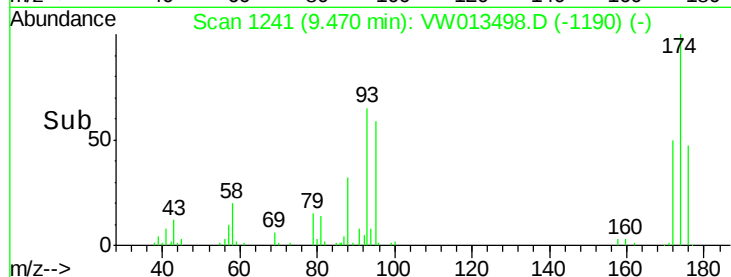
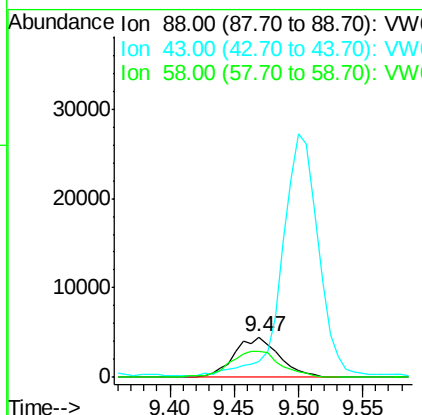
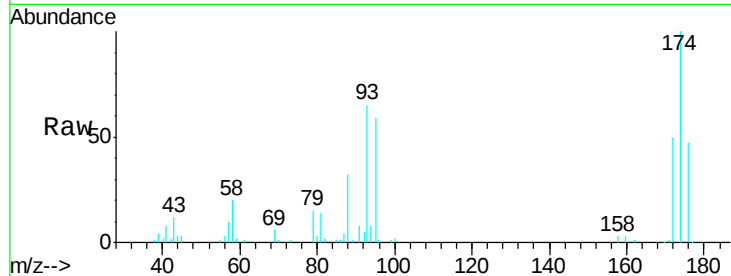




#49
1,4-Dioxane
Concen: 416.082 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

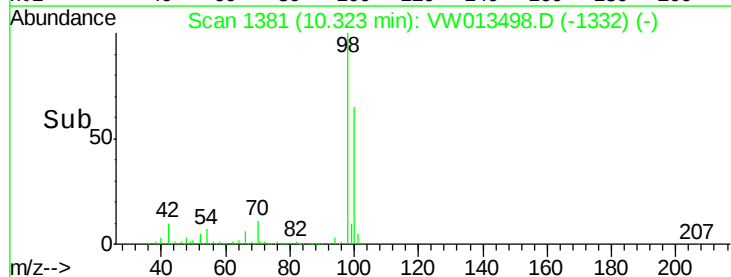
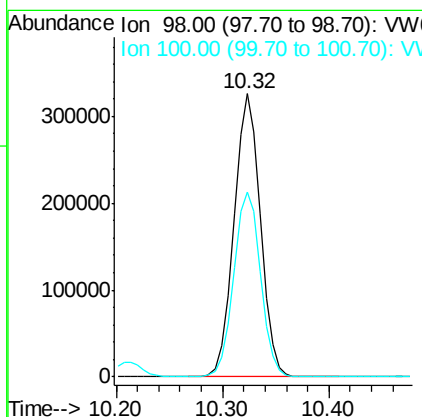
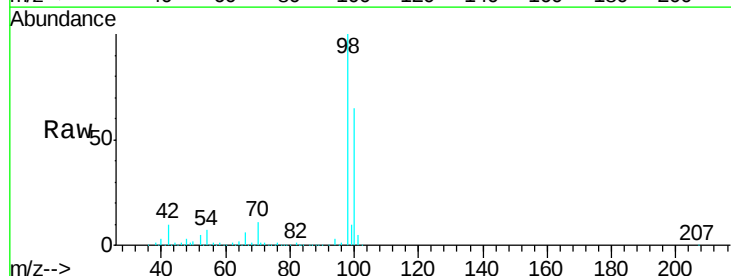
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

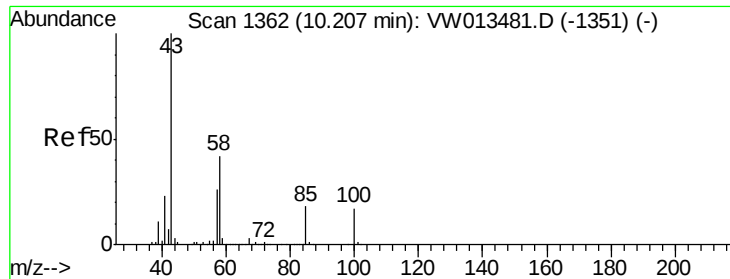
Tgt Ion: 88 Resp: 10776
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.9 60.0 90.0



#50
Toluene-d8
Concen: 49.379 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 98 Resp: 566155
Ion Ratio Lower Upper
98 100
100 66.2 53.2 79.8

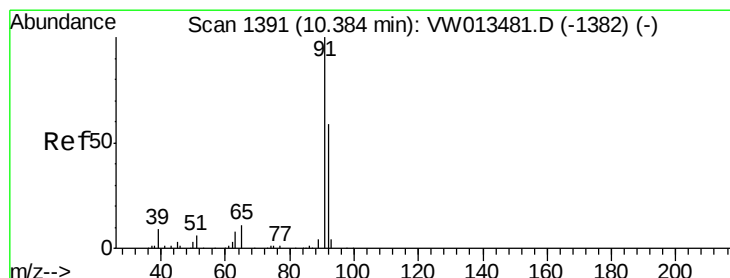
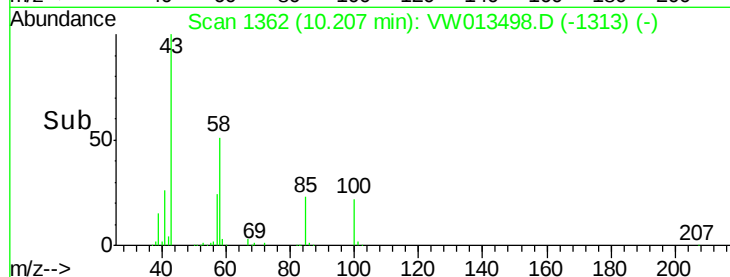
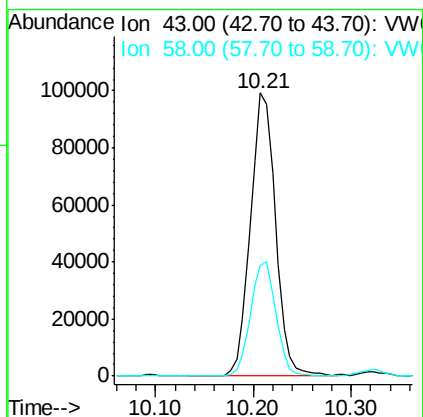
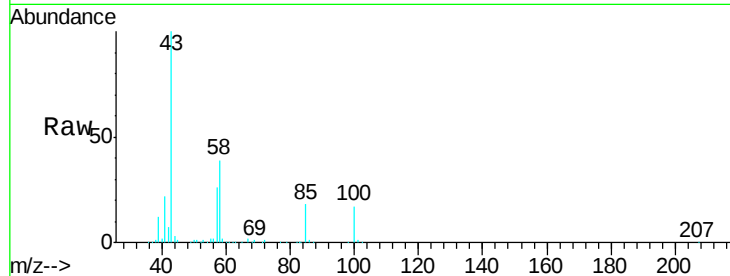




#51
 4-Methyl-2-Pentanone
 Concen: 93.446 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

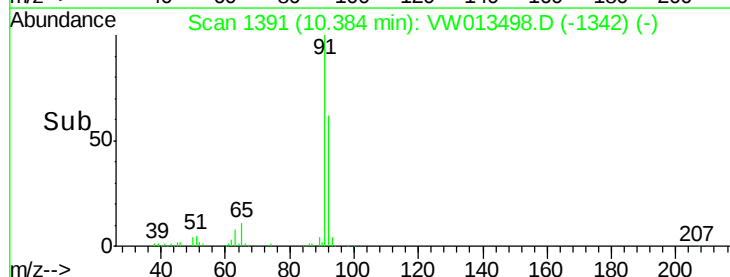
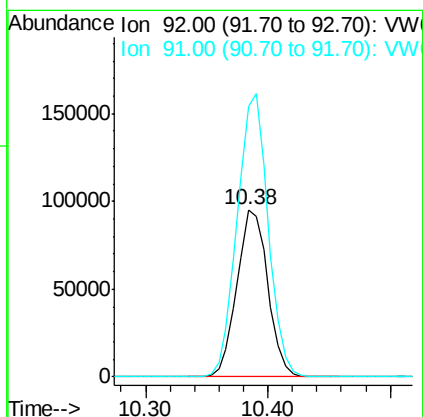
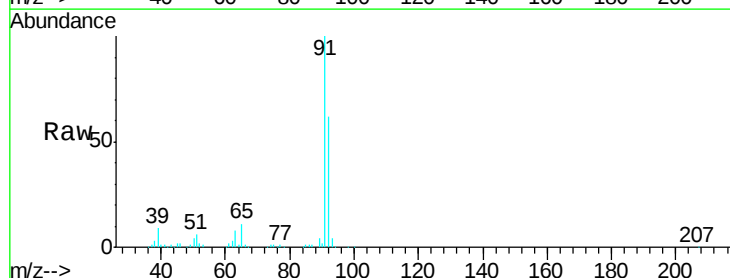
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

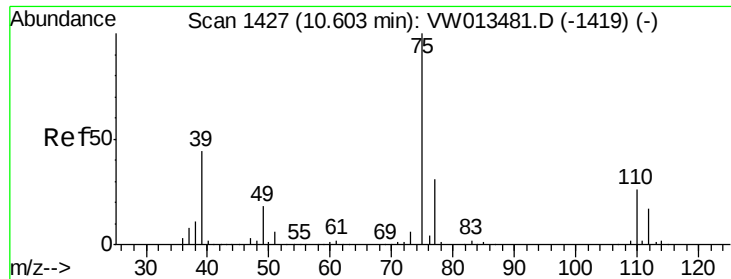
Tgt Ion: 43 Resp: 177954
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 20.942 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 92 Resp: 166403
 Ion Ratio Lower Upper
 92 100
 91 169.5 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 20.143 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

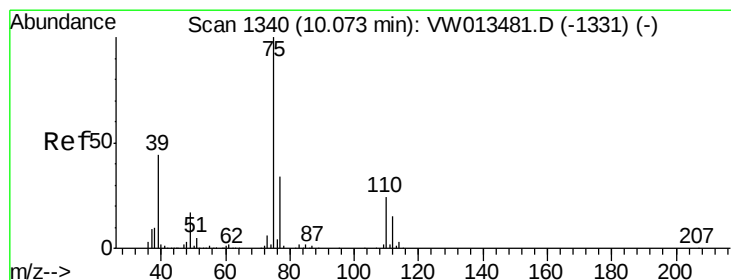
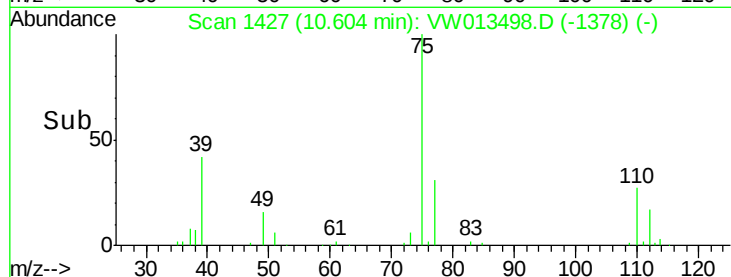
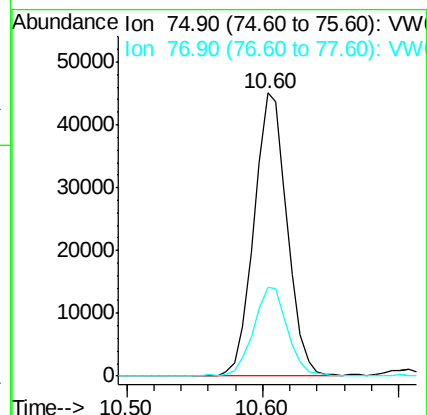
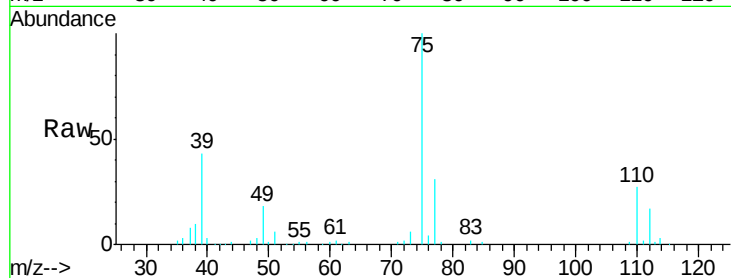
VW1009SBSD01

Tgt Ion: 75 Resp: 76743

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.490 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

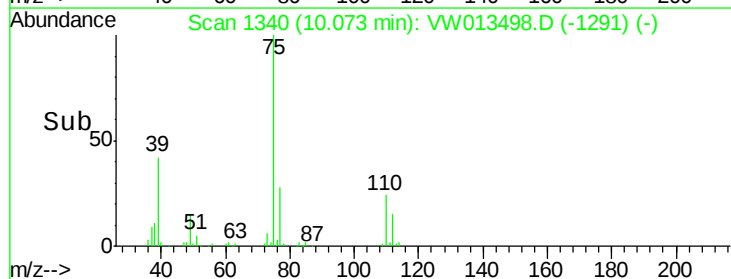
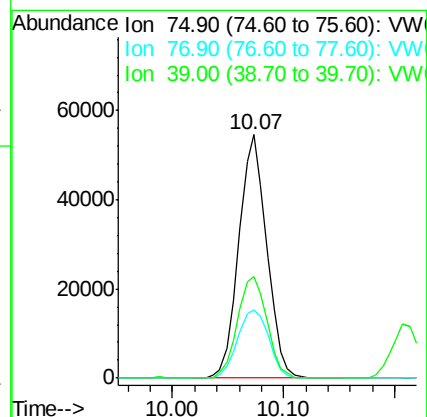
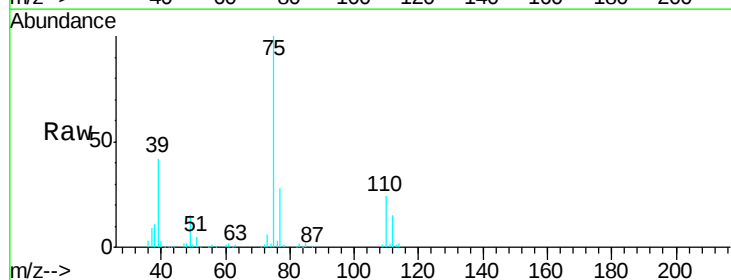
Tgt Ion: 75 Resp: 94577

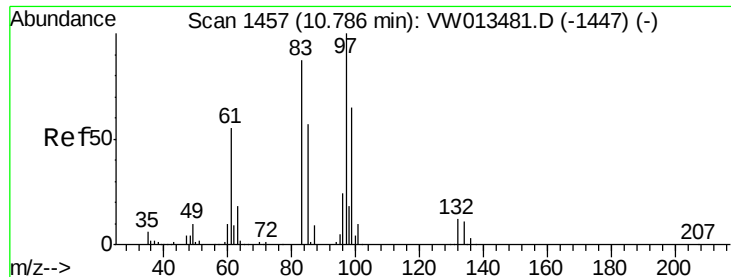
Ion Ratio Lower Upper

75 100

77 28.2 27.0 40.4

39 42.0 35.0 52.4

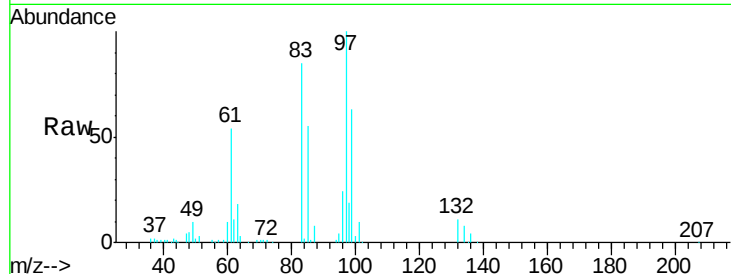




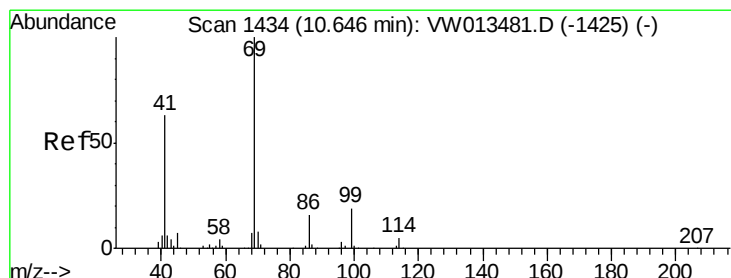
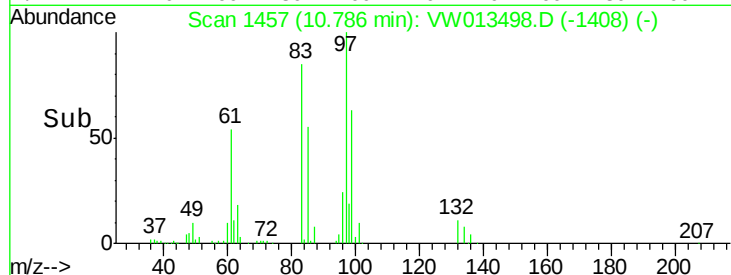
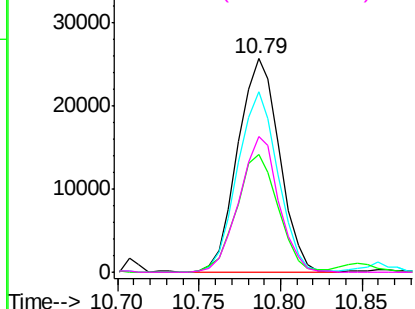
#55
 1,1,2-Trichloroethane
 Concen: 20.729 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

Tgt Ion: 97 Resp: 45893
 Ion Ratio Lower Upper
 97 100
 83 84.5 69.8 104.8
 85 55.0 45.4 68.0
 99 63.5 51.9 77.9

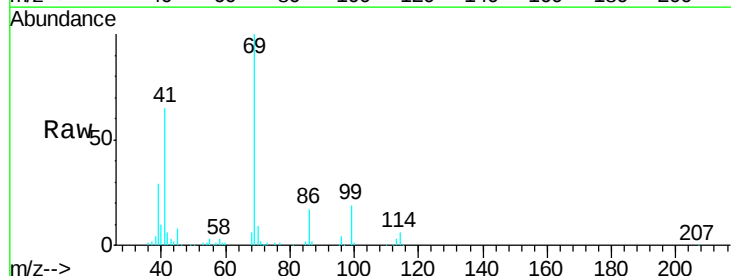


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

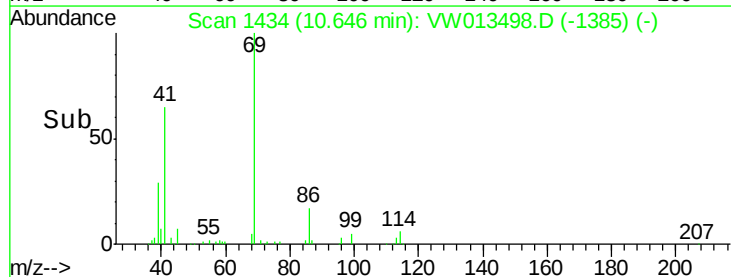
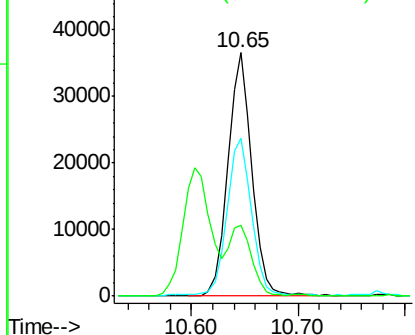


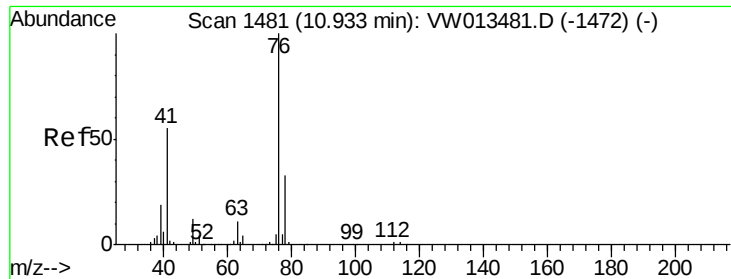
#56
 Ethyl methacrylate
 Concen: 19.329 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 69 Resp: 57634
 Ion Ratio Lower Upper
 69 100
 41 65.9 51.8 77.6
 39 27.9 21.7 32.5



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

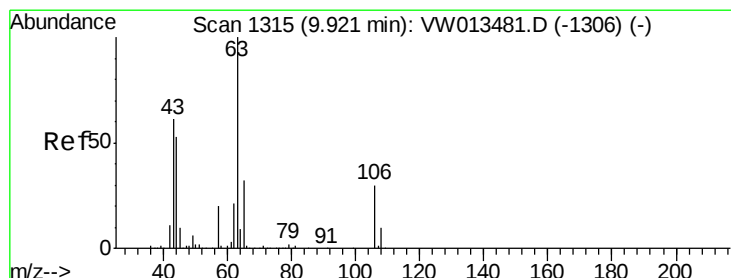
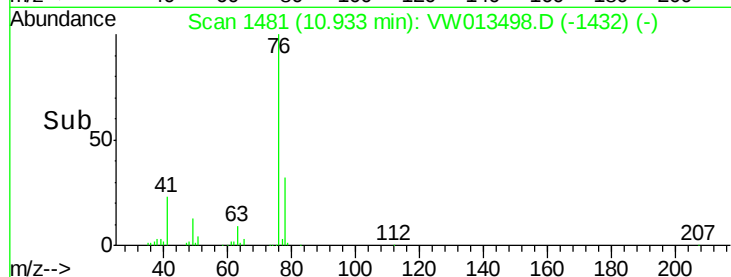
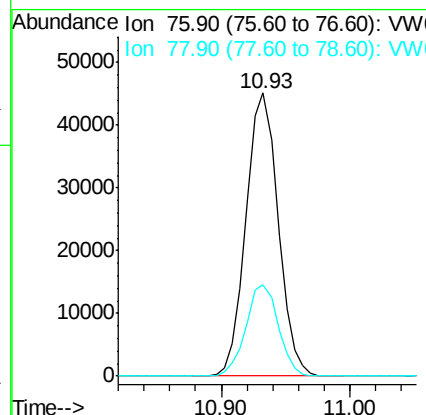
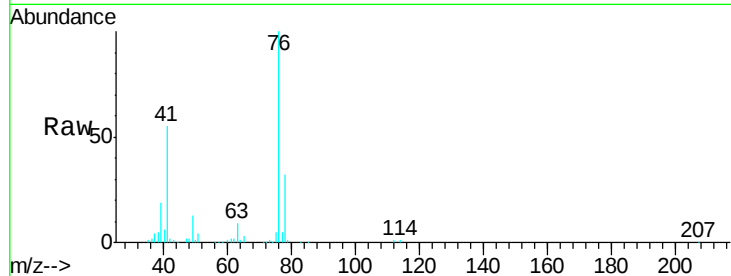




#57
 1,3-Dichloropropane
 Concen: 20.485 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

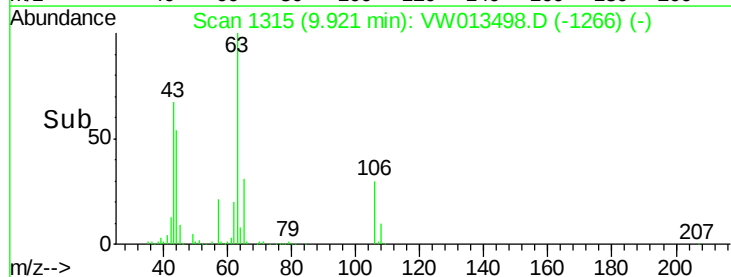
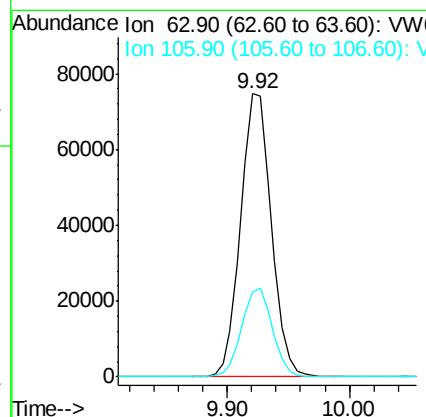
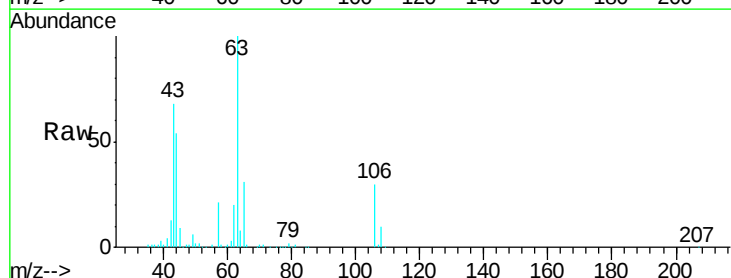
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

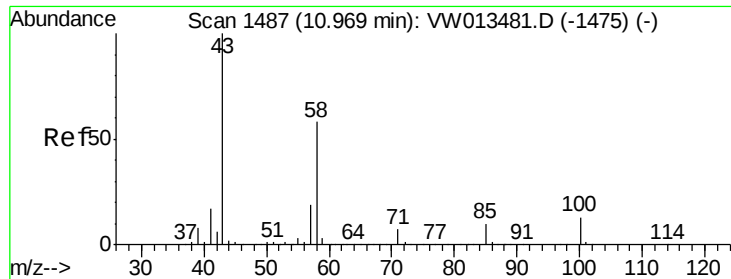
Tgt Ion: 76 Resp: 77874
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.201 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 63 Resp: 129704
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.5 36.7





#59

2-Hexanone

Concen: 93.837 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

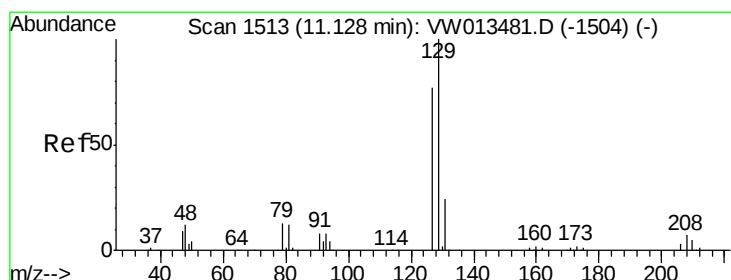
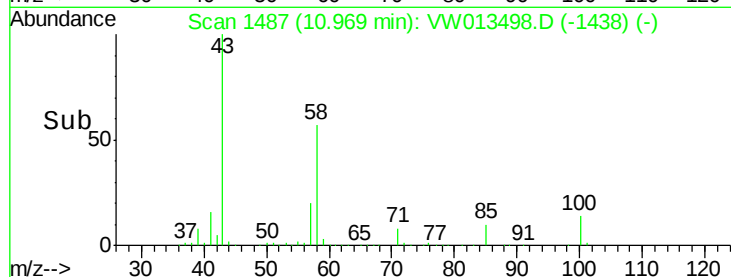
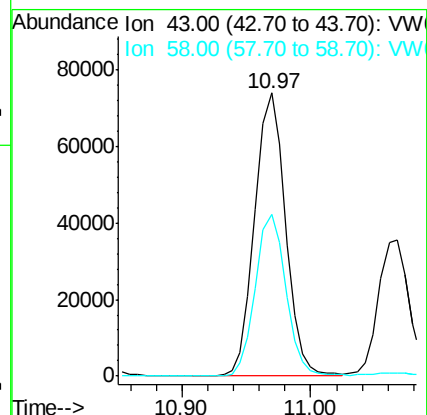
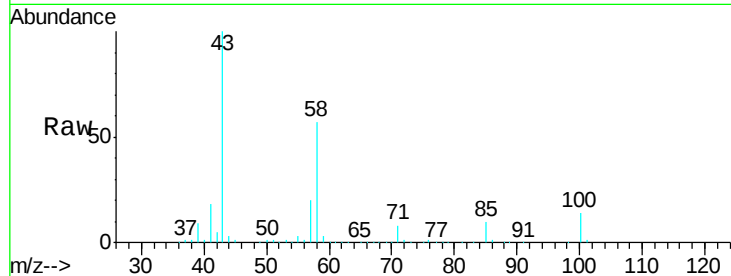
VW1009SBSD01

Tgt Ion: 43 Resp: 122538

Ion Ratio Lower Upper

43 100

58 56.5 28.4 85.2



#60

Dibromochloromethane

Concen: 20.321 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013498.D

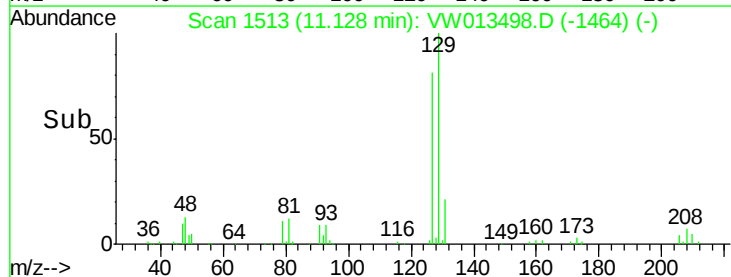
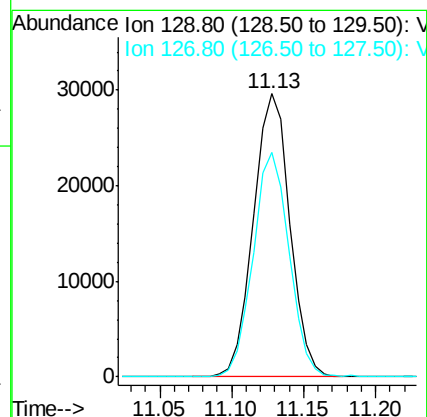
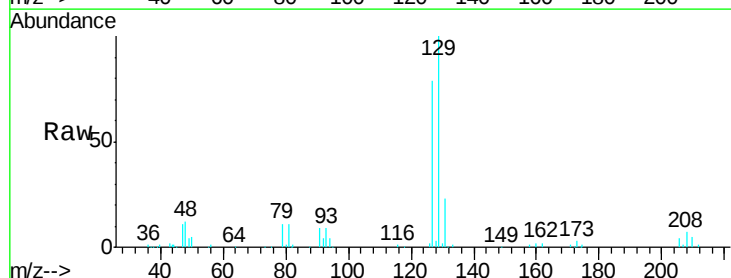
Acq: 09 Oct 2019 12:43

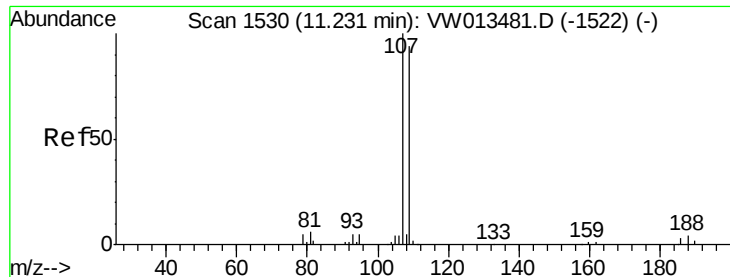
Tgt Ion: 129 Resp: 51737

Ion Ratio Lower Upper

129 100

127 78.6 37.4 112.1





#61

1,2-Dibromoethane

Concen: 20.479 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

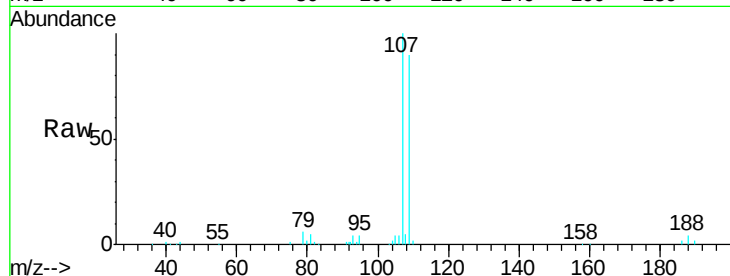
VW1009SBS01

Tgt Ion: 107 Resp: 43124

Ion Ratio Lower Upper

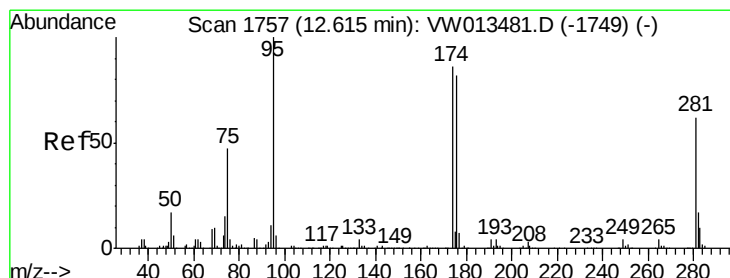
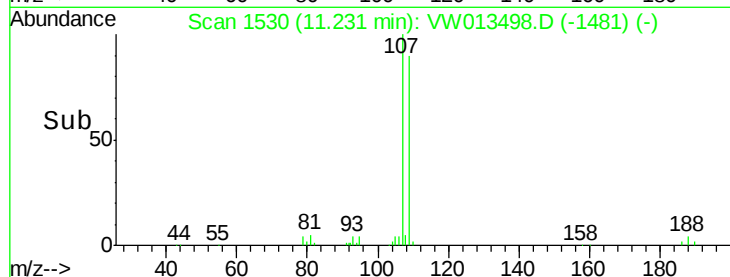
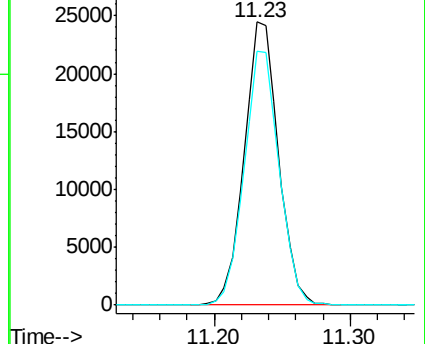
107 100

109 91.5 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.559 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

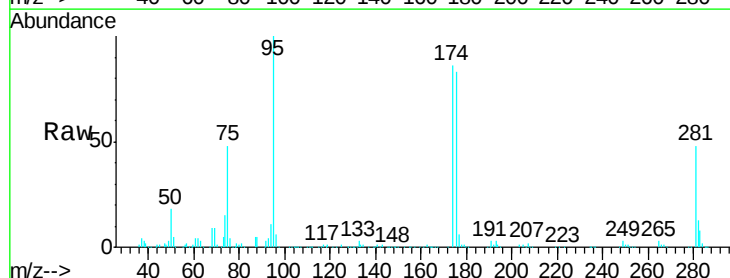
Tgt Ion: 95 Resp: 187032

Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.4

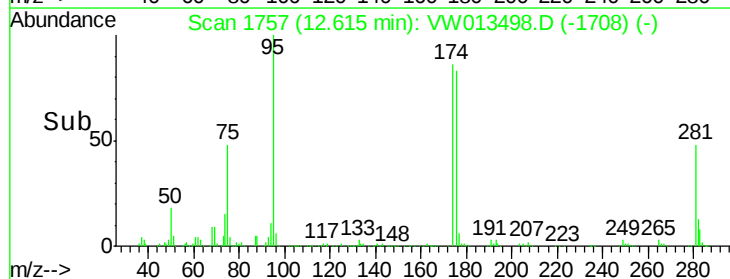
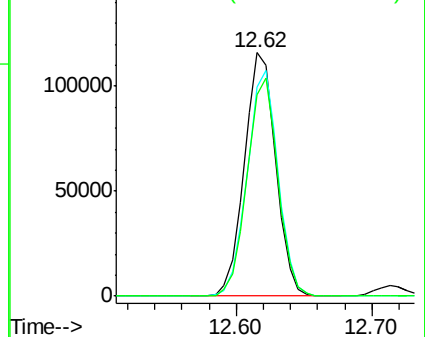
176 88.2 0.0 173.4

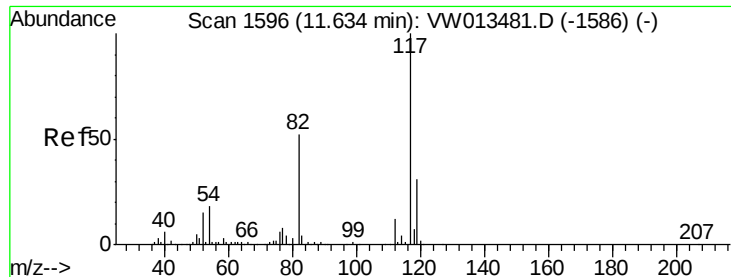


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

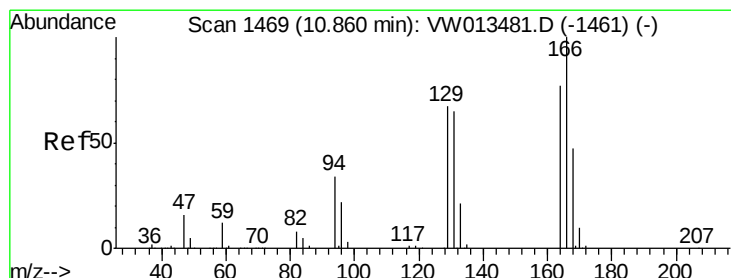
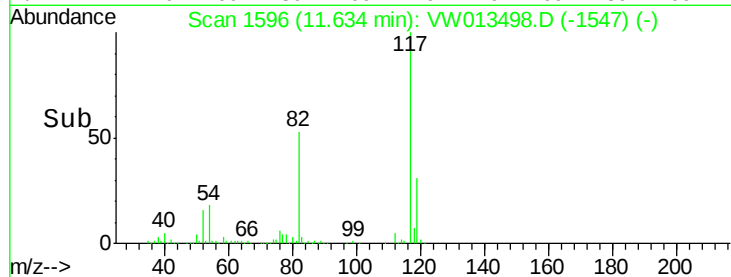
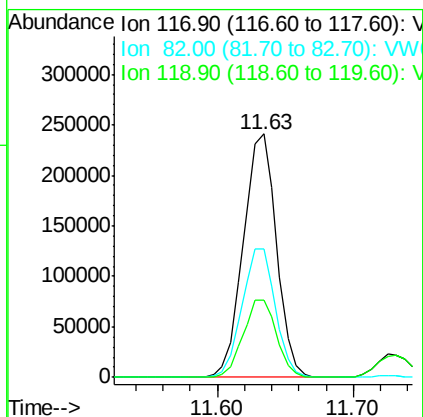
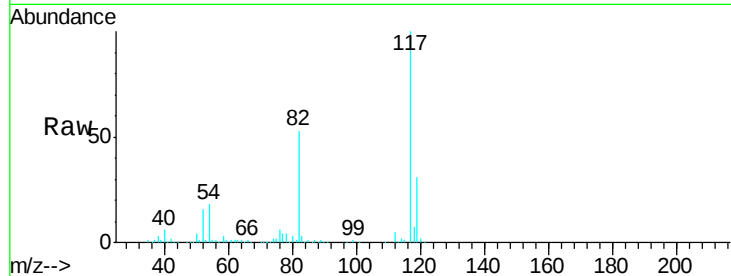




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

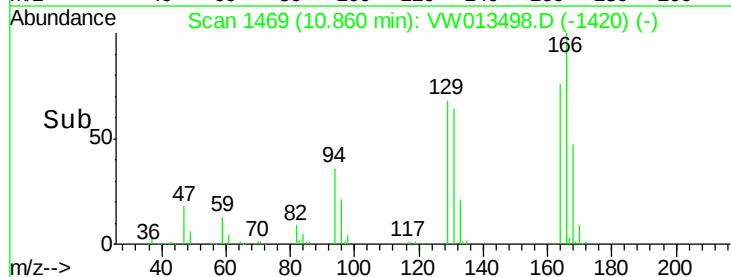
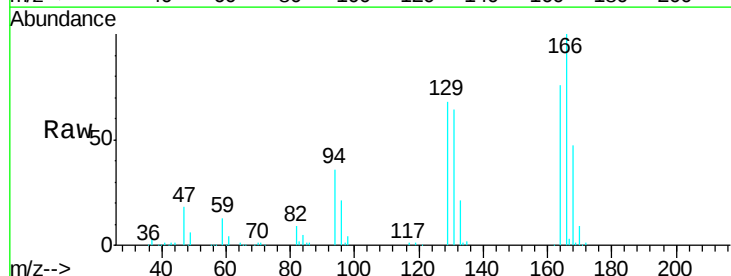
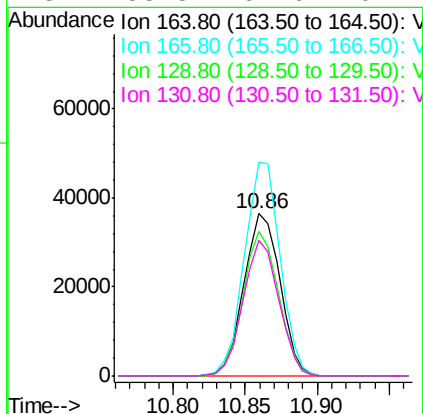
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

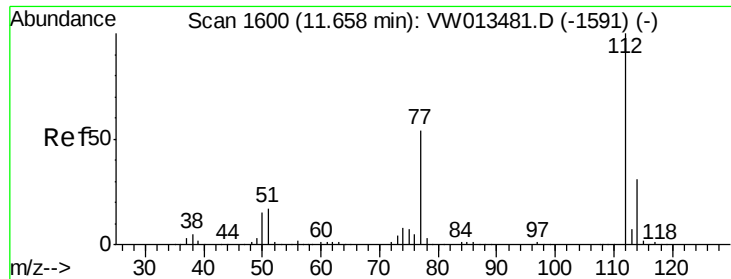
Tgt Ion:117 Resp: 412098
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.2
119 31.5 25.1 37.7



#64
Tetrachloroethene
Concen: 20.934 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:164 Resp: 63492
Ion Ratio Lower Upper
164 100
166 131.6 104.6 156.8
129 89.3 70.2 105.2
131 83.8 67.6 101.4

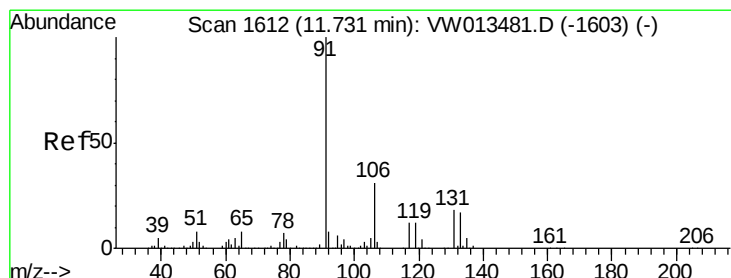
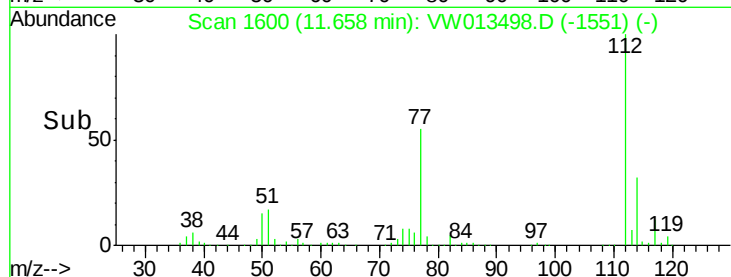
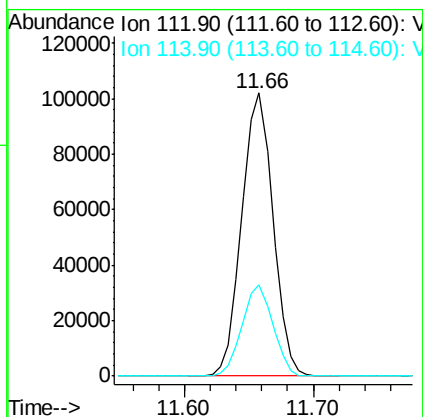
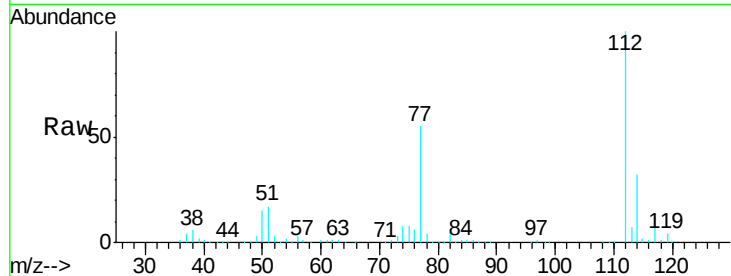




#65
Chlorobenzene
Concen: 20.914 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

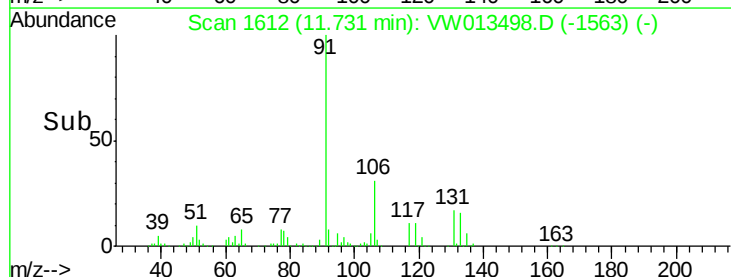
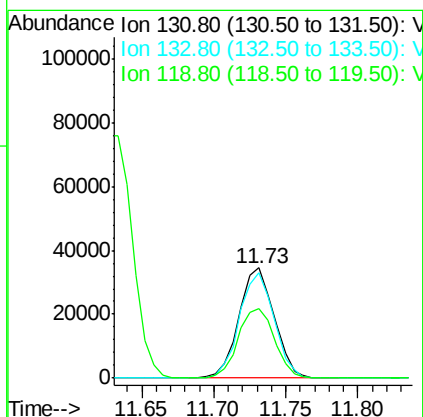
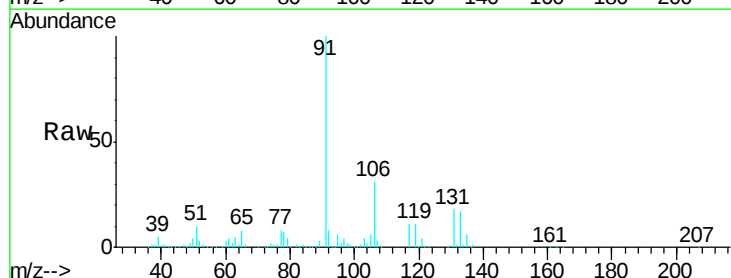
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

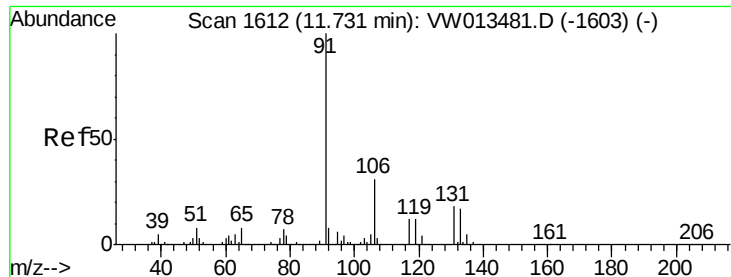
Tgt Ion:112 Resp: 171257
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.510 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:131 Resp: 58339
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.4 32.6 98.0

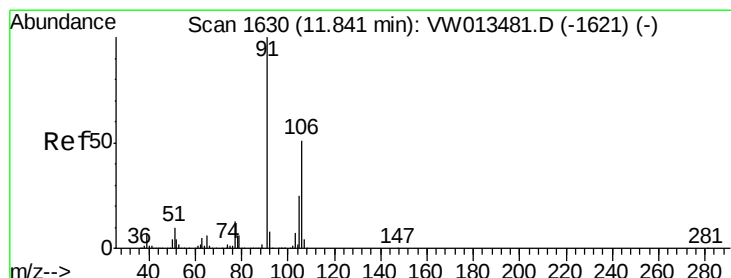
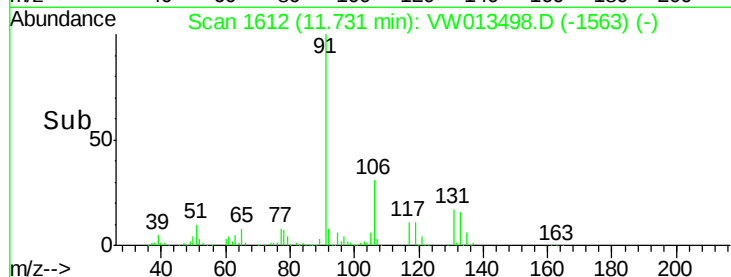
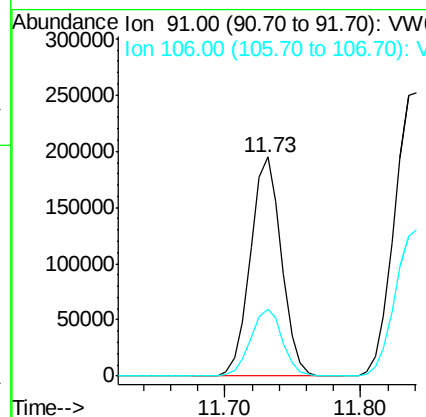
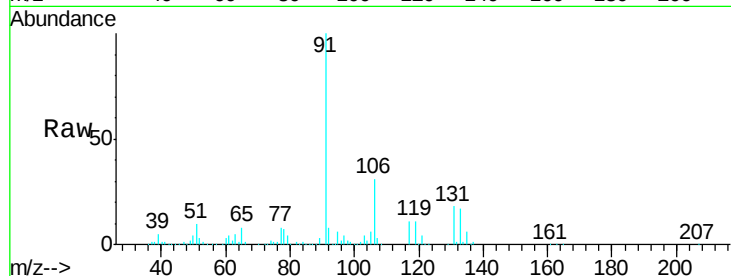




#67
Ethyl Benzene
Concen: 20.837 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

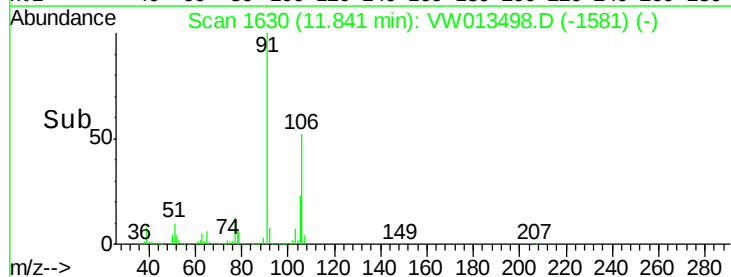
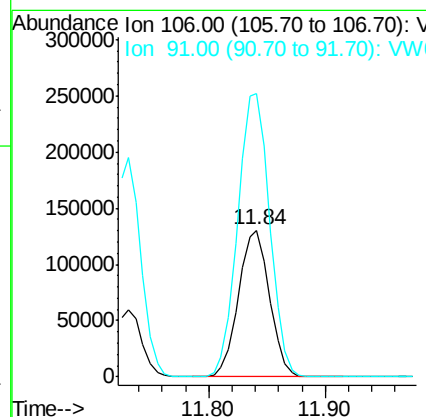
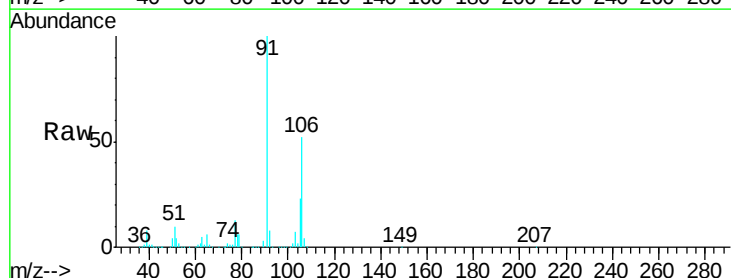
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

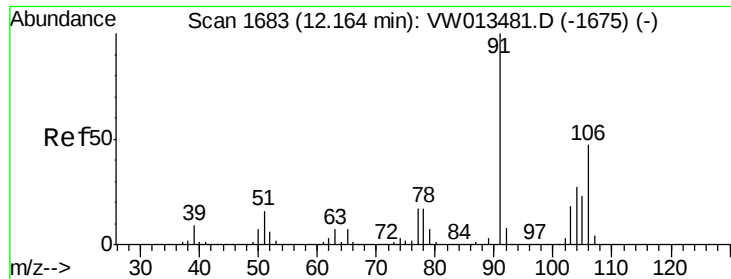
Tgt Ion: 91 Resp: 311866
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2



#68
m/p-Xylenes
Concen: 42.523 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 106 Resp: 242153
Ion Ratio Lower Upper
106 100
91 199.1 156.2 234.4

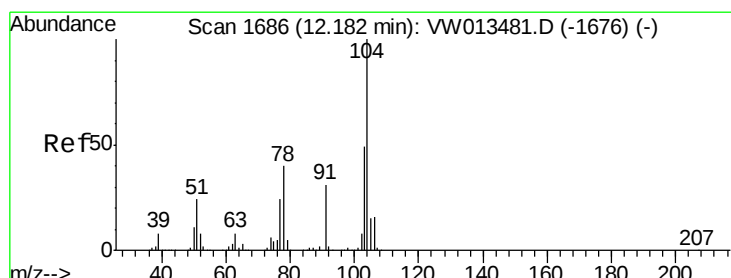
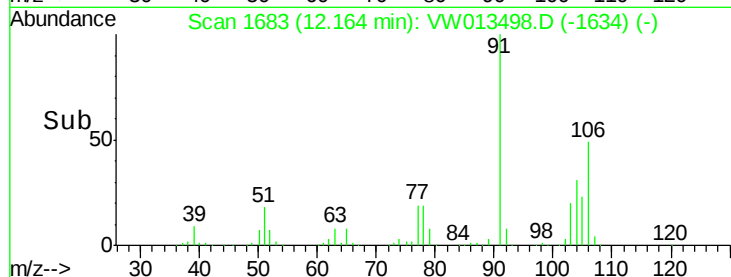
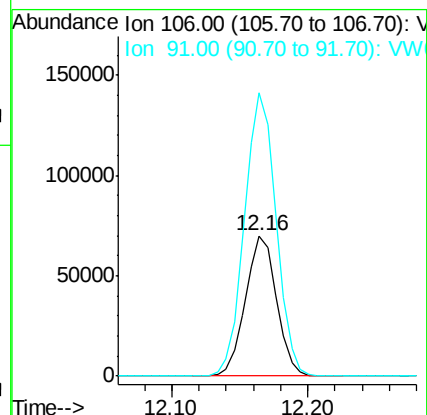
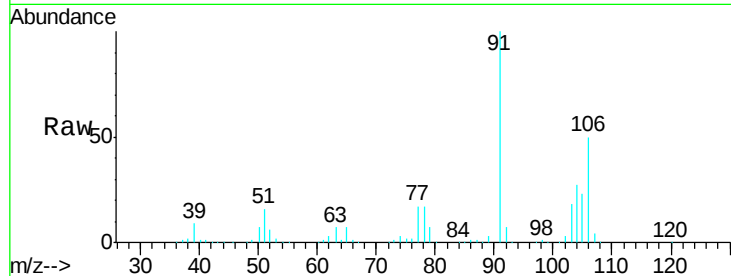




#69
o-Xylene
Concen: 21.300 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

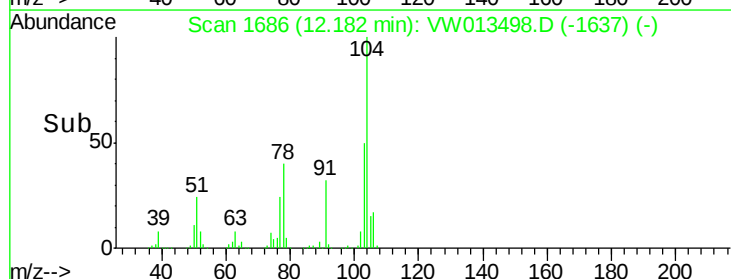
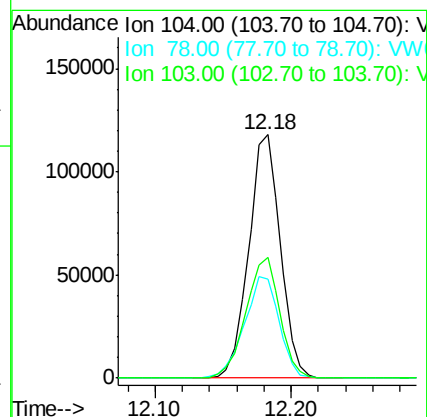
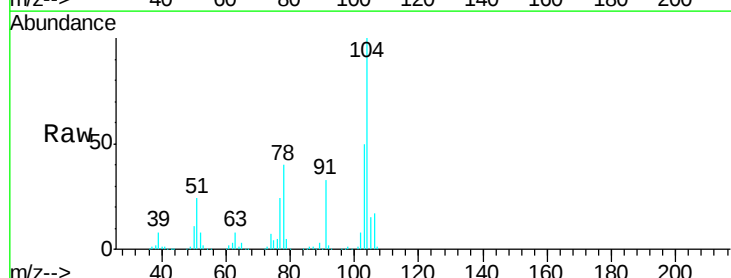
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

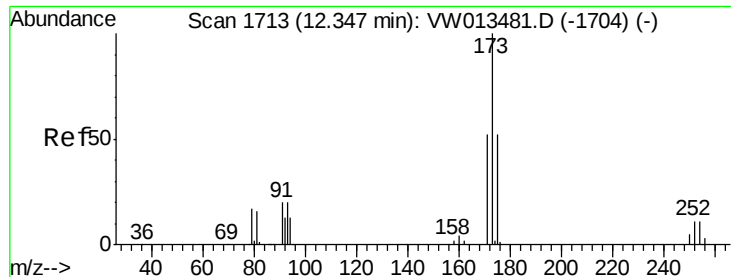
Tgt Ion:106 Resp: 112062
Ion Ratio Lower Upper
106 100
91 204.7 105.0 315.0



#70
Styrene
Concen: 21.287 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:104 Resp: 192302
Ion Ratio Lower Upper
104 100
78 45.7 37.1 55.7
103 53.4 43.2 64.8





#71

Bromoform

Concen: 19.628 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

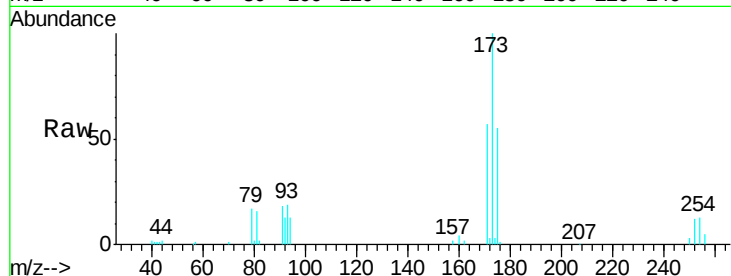
Tgt Ion:173 Resp: 30632

Ion Ratio Lower Upper

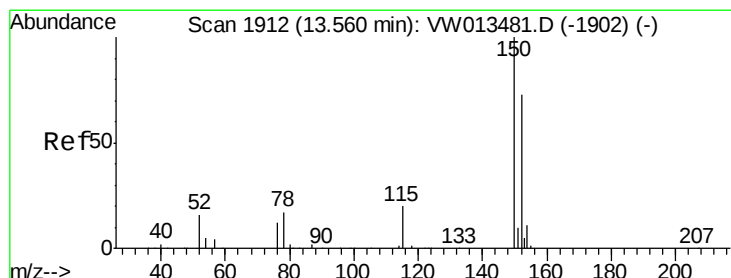
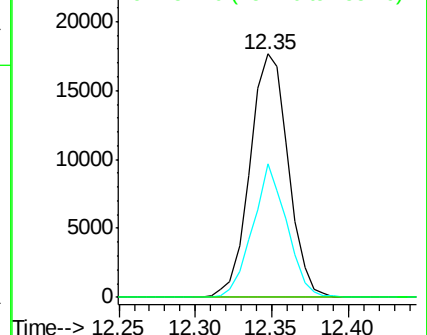
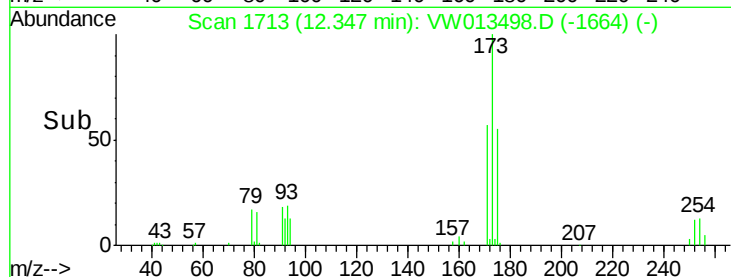
173 100

175 49.2 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

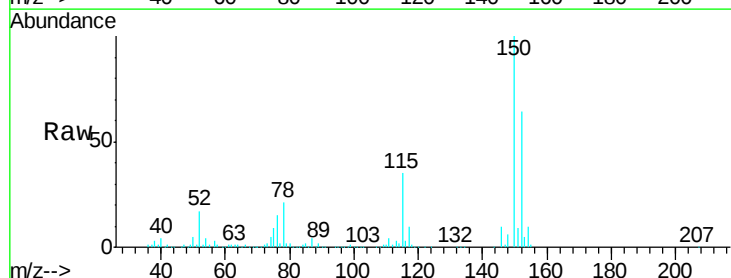
Tgt Ion:152 Resp: 209345

Ion Ratio Lower Upper

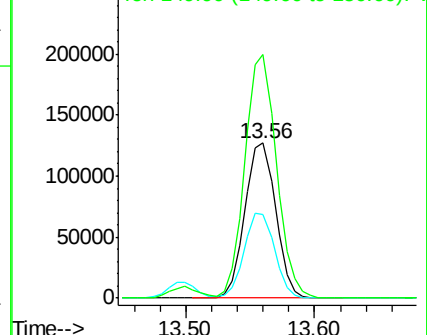
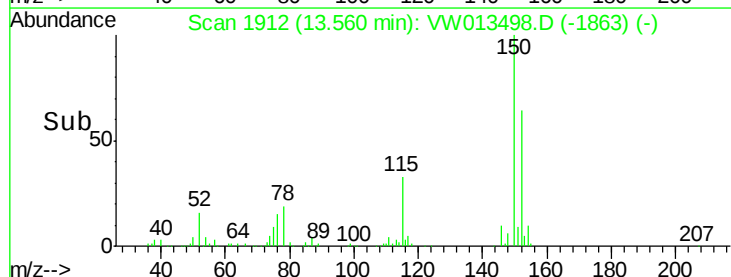
152 100

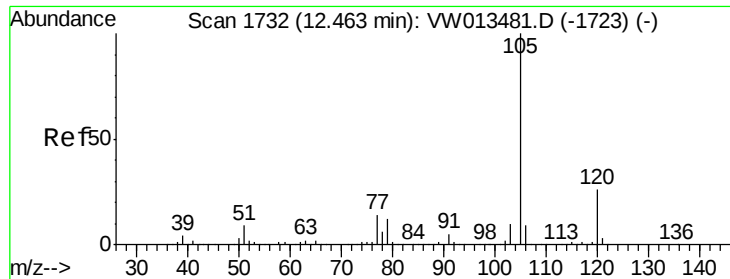
115 54.7 27.0 81.0

150 161.1 0.0 337.4



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: 21.030 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

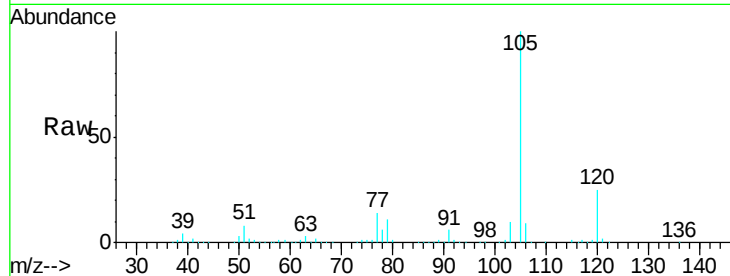
VW1009SBSD01

Tgt Ion: 105 Resp: 315355

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

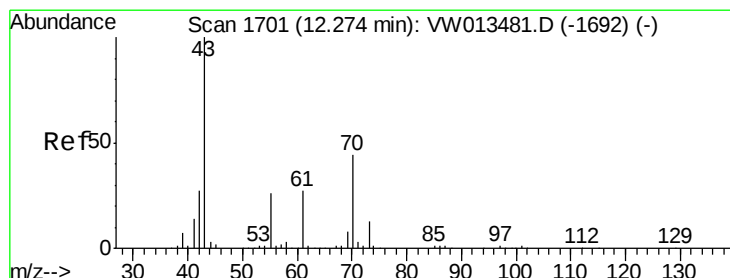
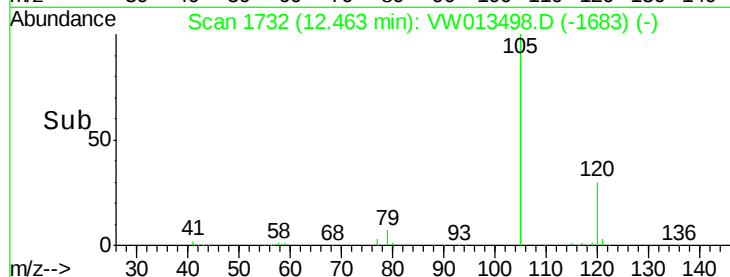
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.460 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion: 43 Resp: 60543

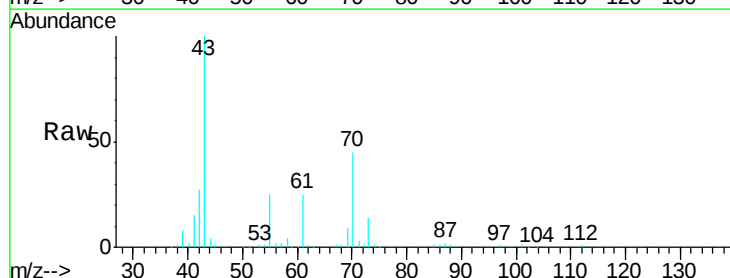
Ion Ratio Lower Upper

43 100

70 46.5 35.3 52.9

55 26.1 20.0 30.0

61 26.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

60000

50000

40000

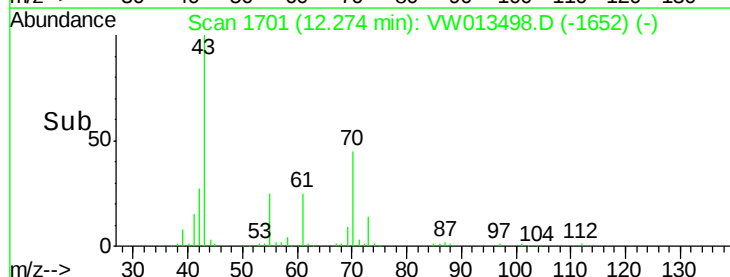
30000

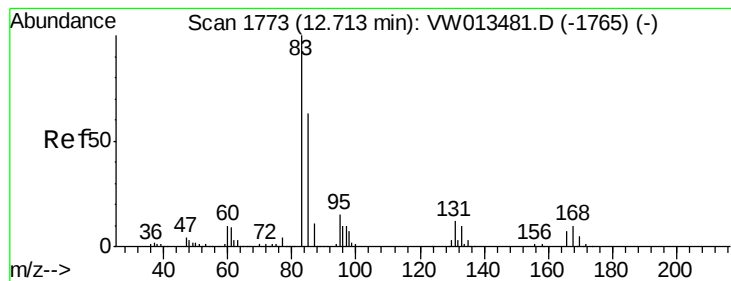
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.328 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

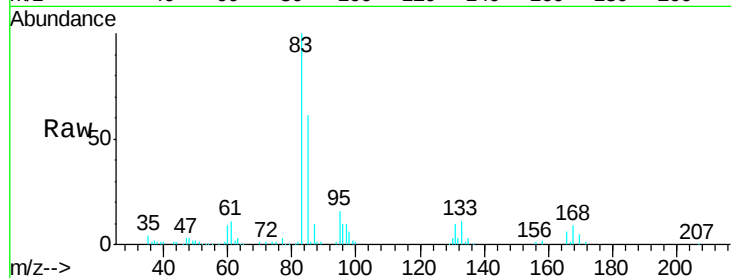
Tgt Ion: 83 Resp: 49402

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.7

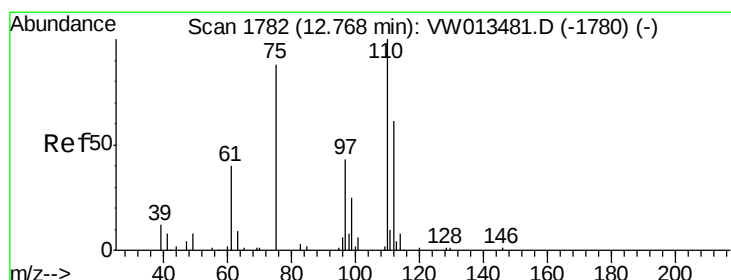
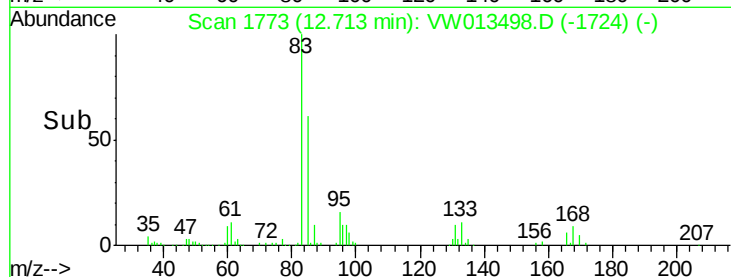
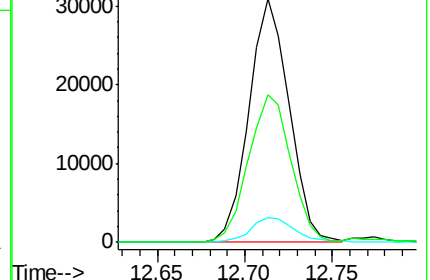
85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.559 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013498.D

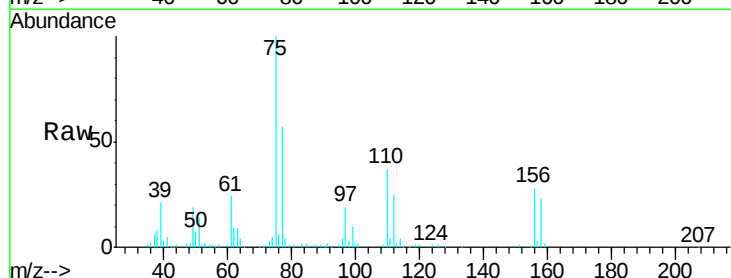
Acq: 09 Oct 2019 12:43

Tgt Ion: 75 Resp: 63743

Ion Ratio Lower Upper

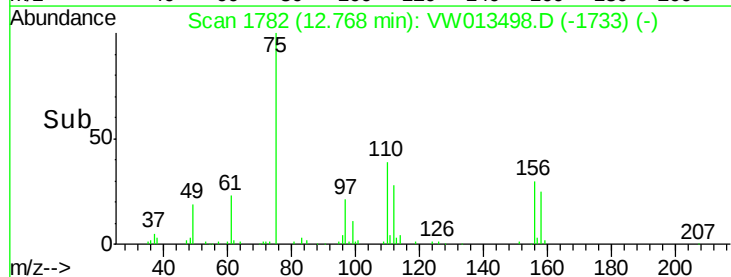
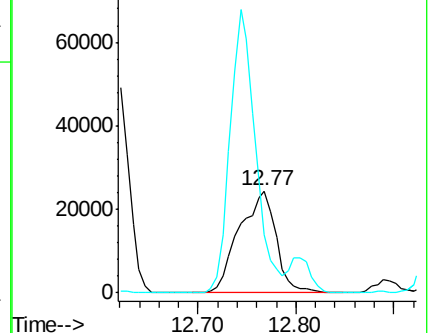
75 100

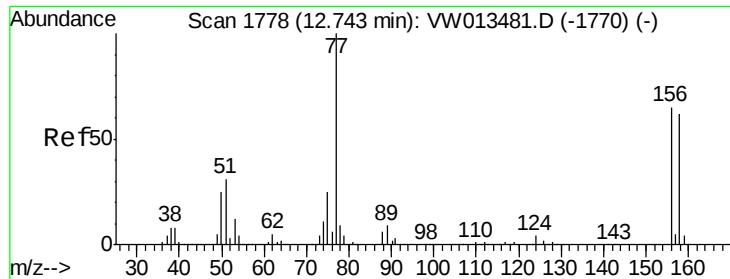
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.352 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

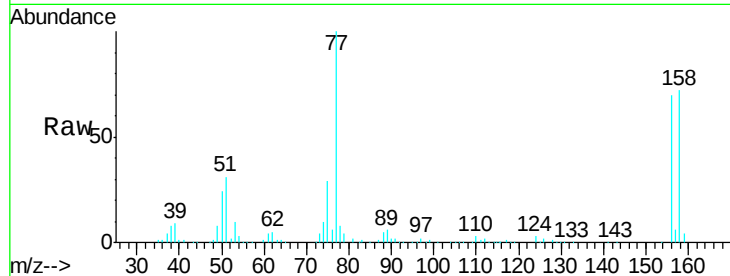
Tgt Ion:156 Resp: 72340

Ion Ratio Lower Upper

156 100

77 170.0 83.7 251.0

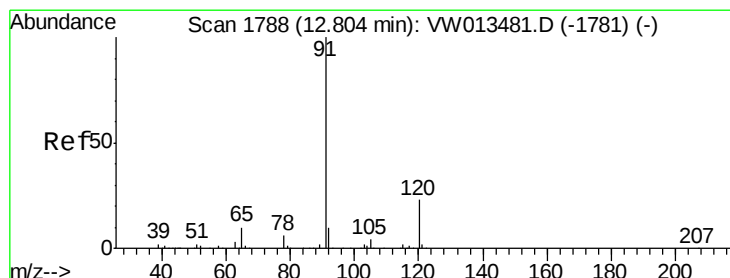
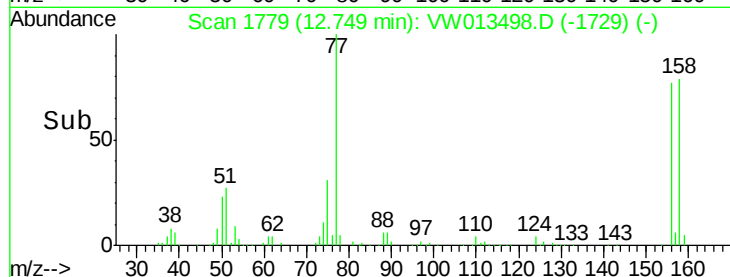
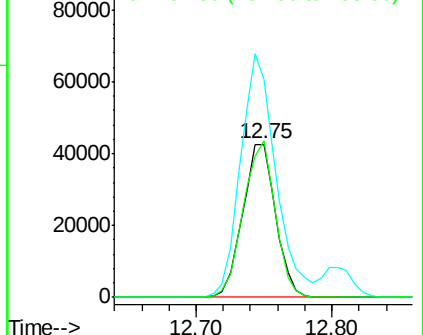
158 98.9 49.0 147.0



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: 20.904 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013498.D

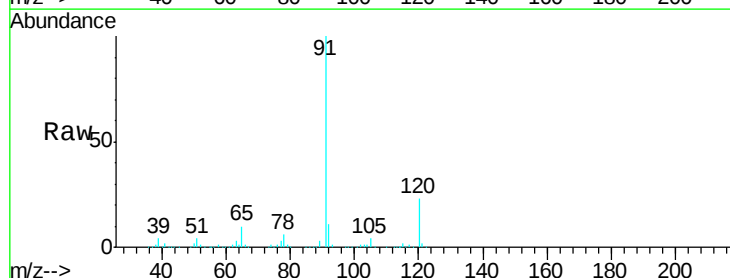
Acq: 09 Oct 2019 12:43

Tgt Ion: 91 Resp: 362487

Ion Ratio Lower Upper

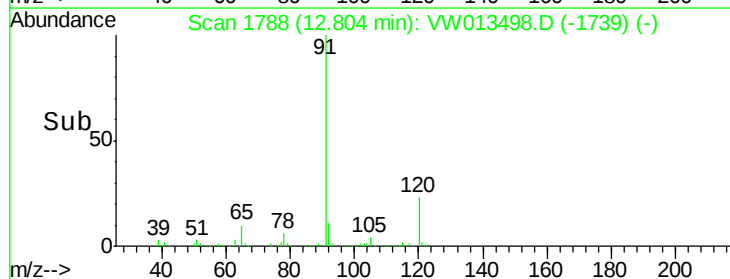
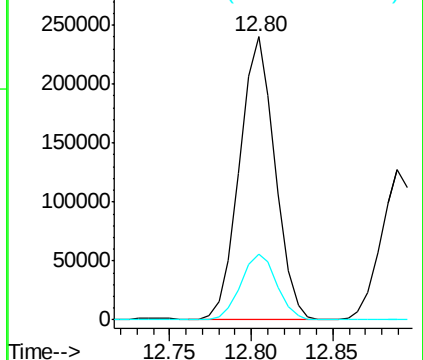
91 100

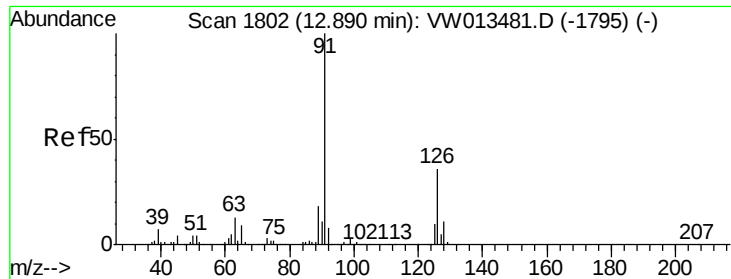
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

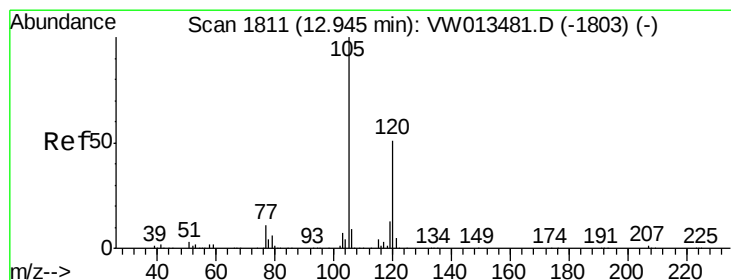
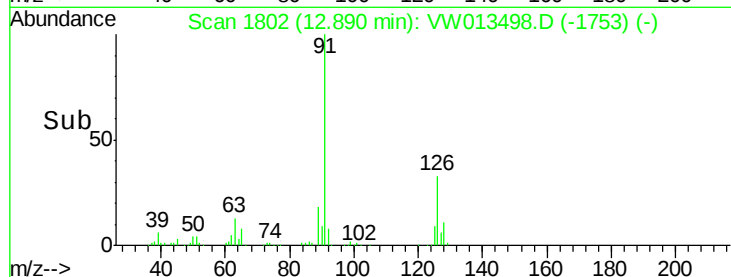
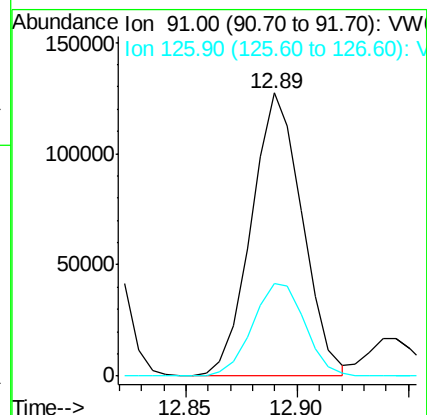
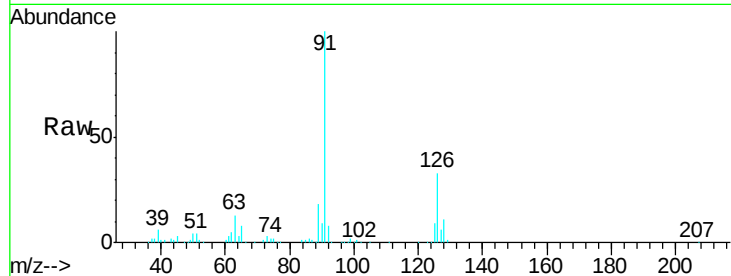
VW1009SBSD01

Tgt Ion: 91 Resp: 201737

Ion Ratio Lower Upper

91 100

126 34.0 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 21.160 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013498.D

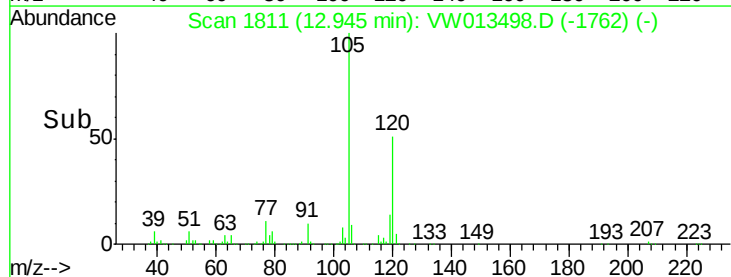
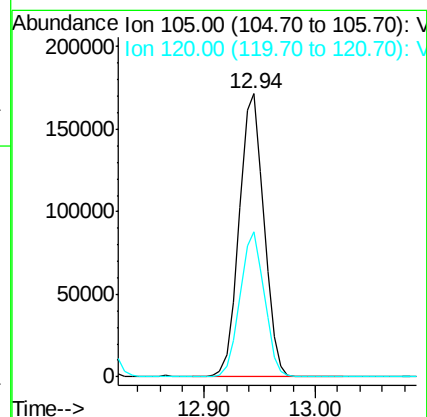
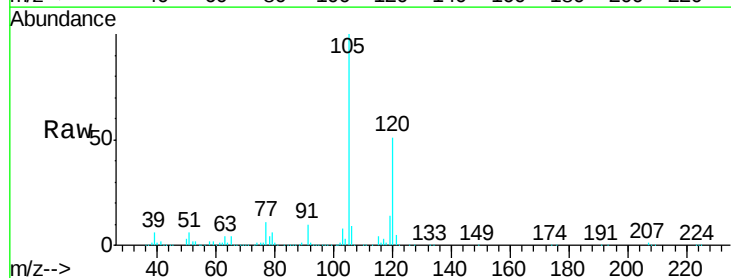
Acq: 09 Oct 2019 12:43

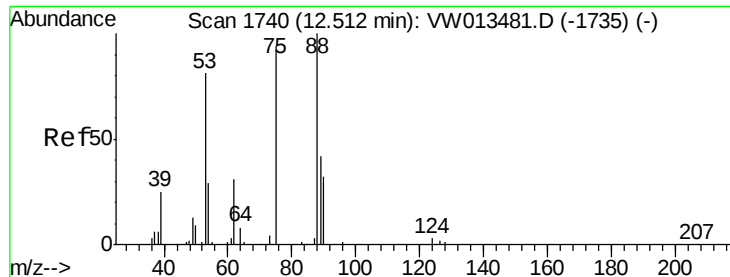
Tgt Ion: 105 Resp: 263646

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.651 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

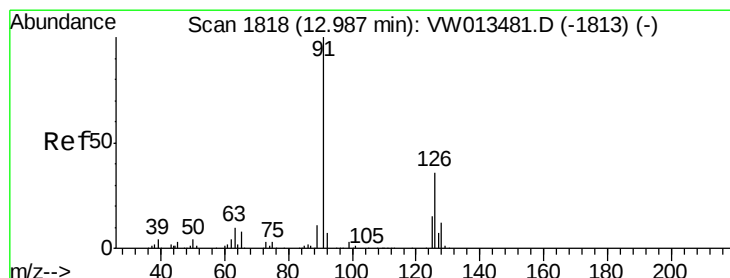
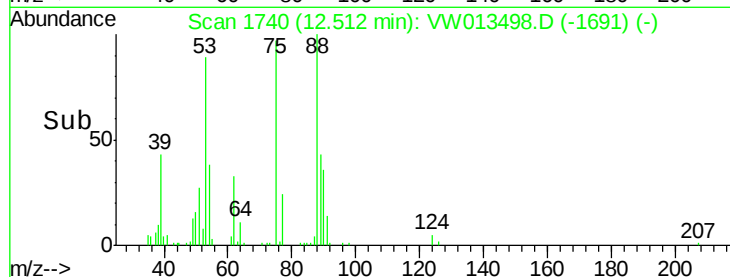
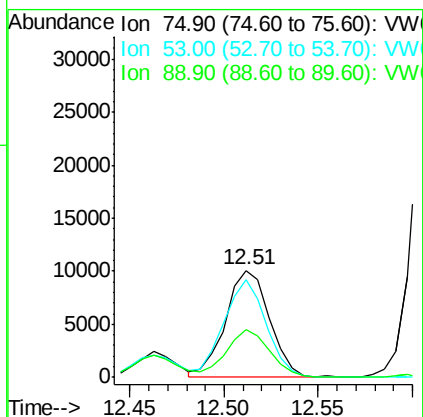
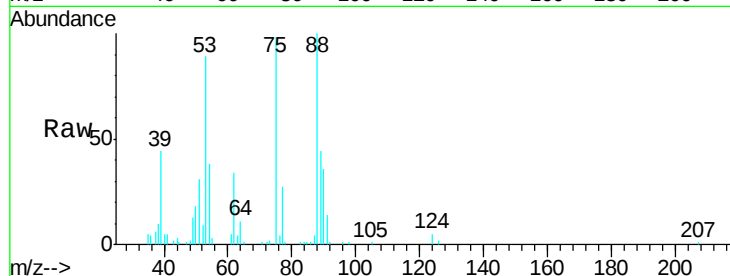
Tgt Ion: 75 Resp: 15908

Ion Ratio Lower Upper

75 100

53 90.2 71.0 106.6

89 44.8 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.970 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013498.D

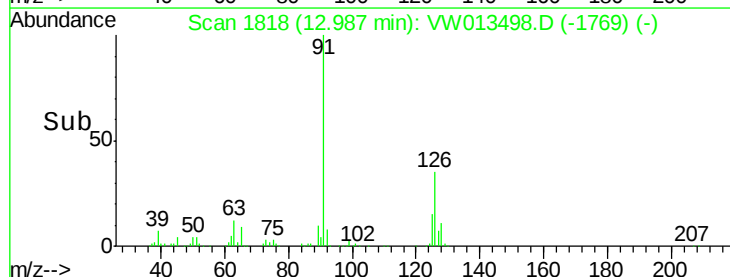
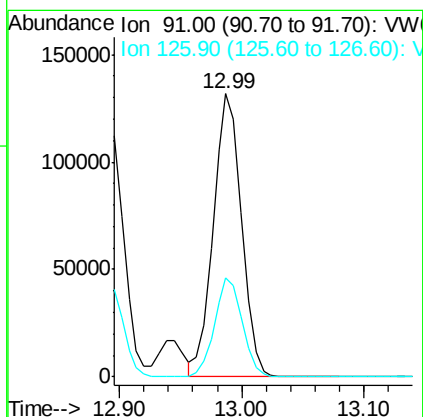
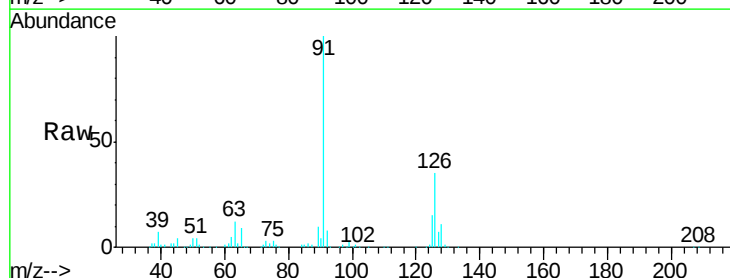
Acq: 09 Oct 2019 12:43

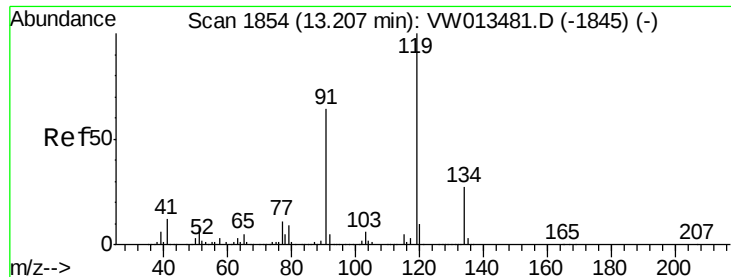
Tgt Ion: 91 Resp: 211444

Ion Ratio Lower Upper

91 100

126 34.5 17.5 52.6

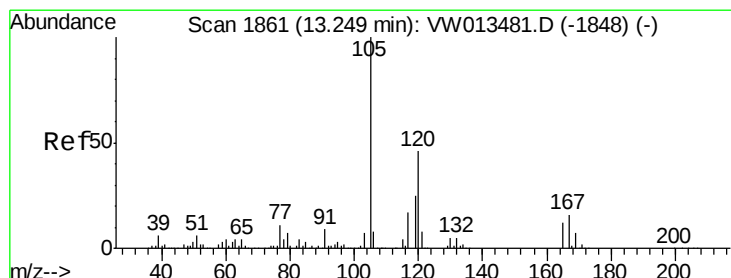
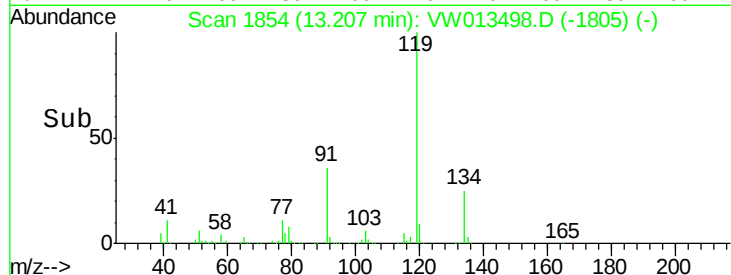
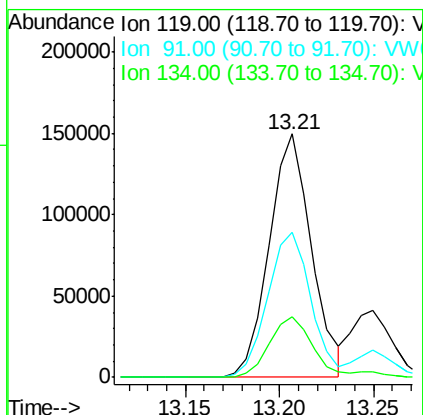
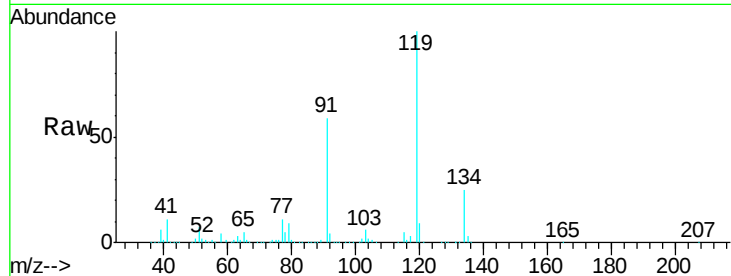




#83
 tert-Butylbenzene
 Concen: 21.086 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

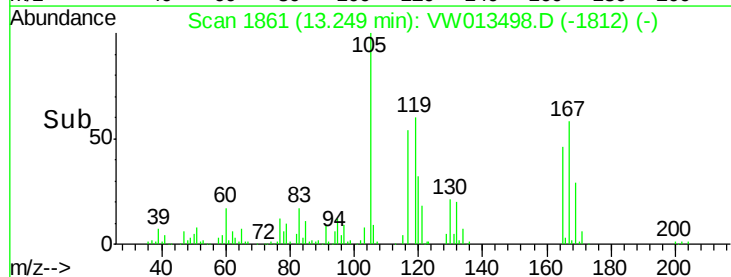
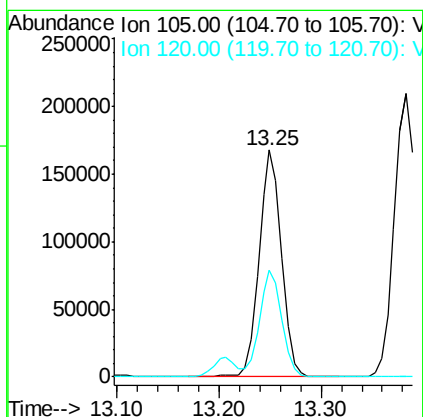
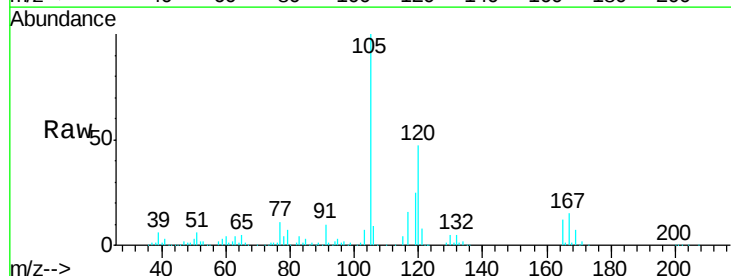
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

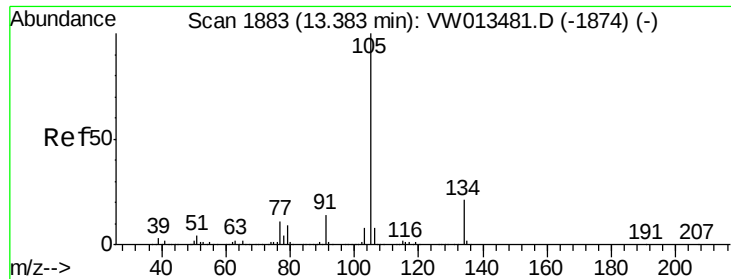
Tgt Ion:119 Resp: 233324
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.6 91.6
 134 25.4 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.864 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion:105 Resp: 257097
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.842 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

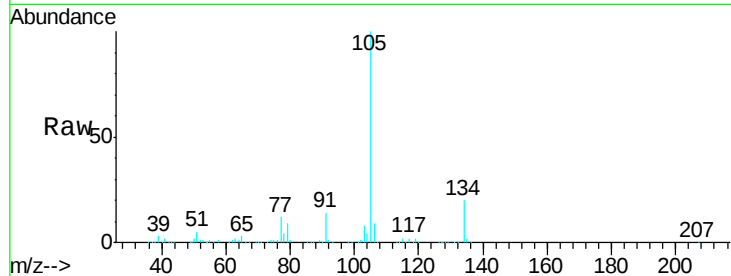
VW1009SBSD01

Tgt Ion:105 Resp: 318651

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

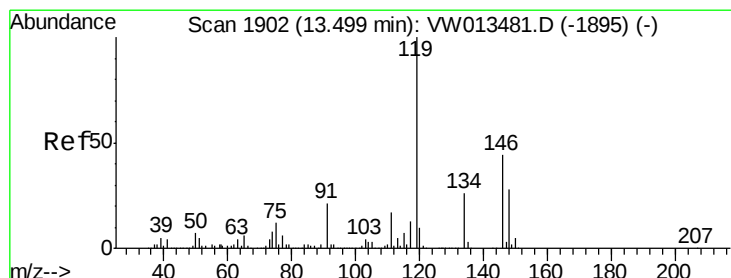
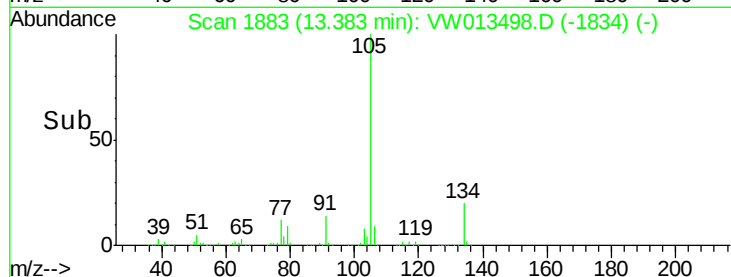
100000

50000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.014 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

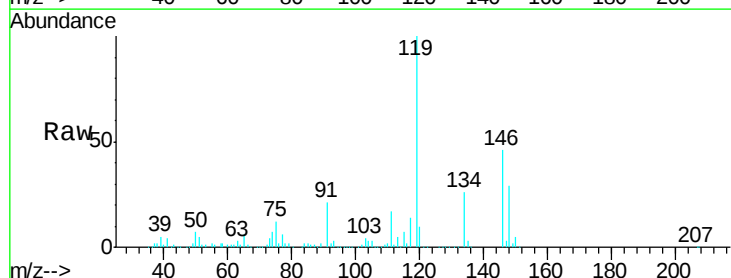
Tgt Ion:119 Resp: 295180

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 21.2 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

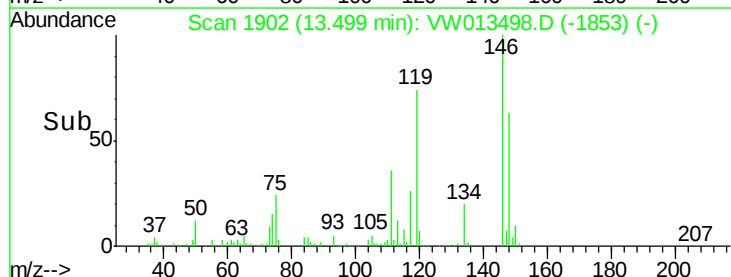
100000

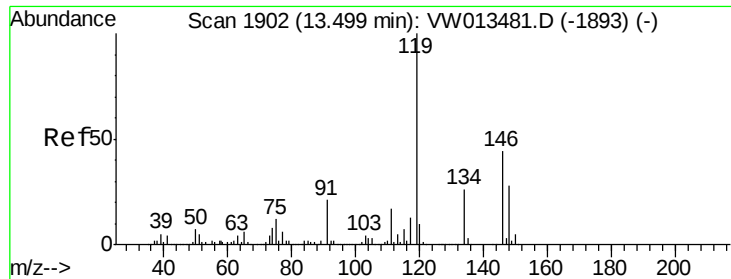
50000

0

13.45 13.50 13.55

Time-->

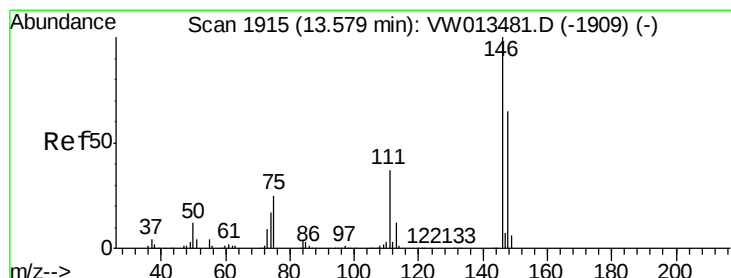
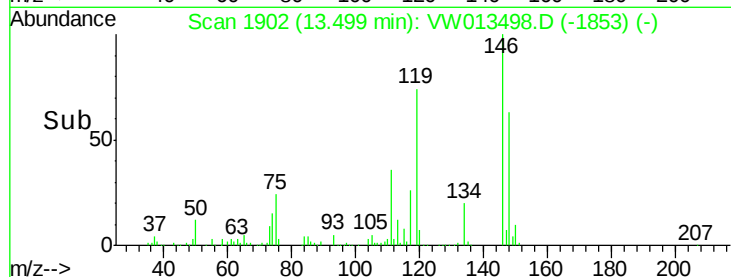
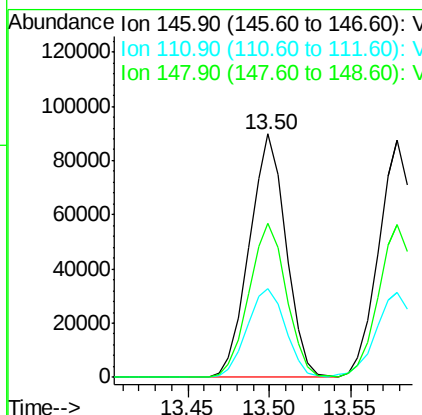
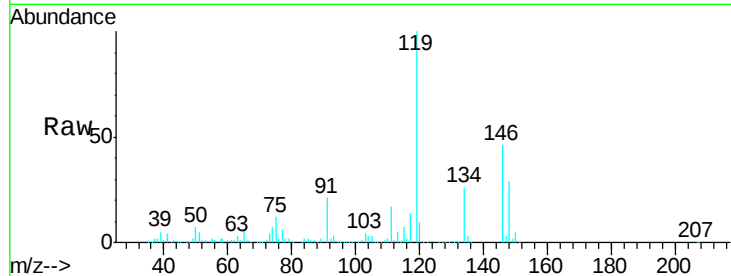




#87
 1,3-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

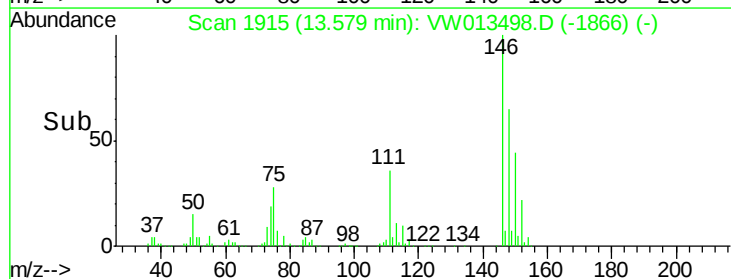
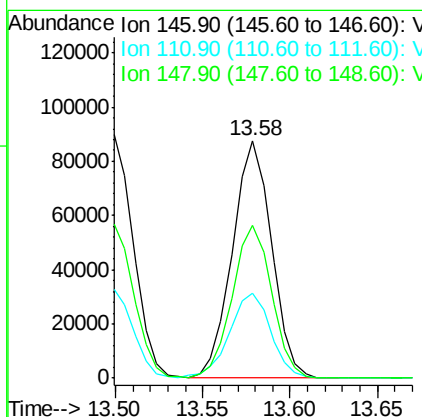
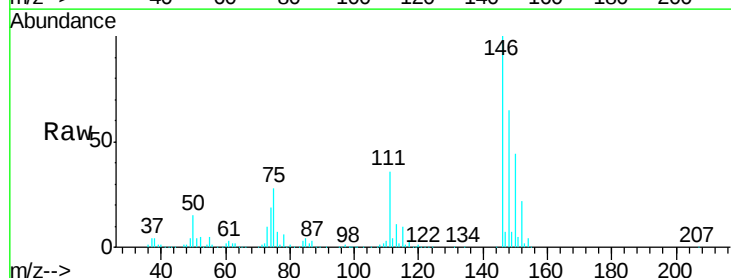
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

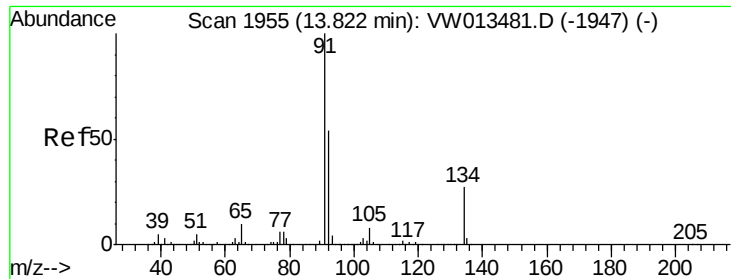
Tgt Ion:146 Resp: 140523
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.7 56.1
 148 64.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.750 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion:146 Resp: 136999
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.4
 148 64.8 32.0 96.2





#89

n-Butylbenzene

Concen: 21.168 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBSD01

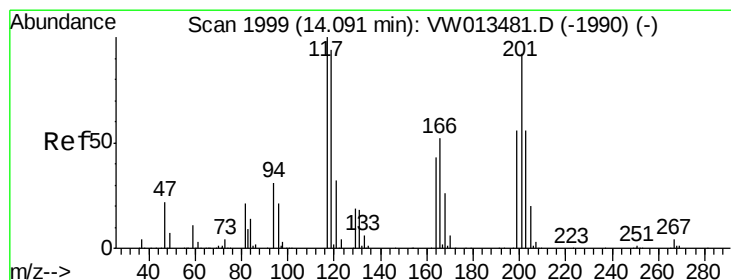
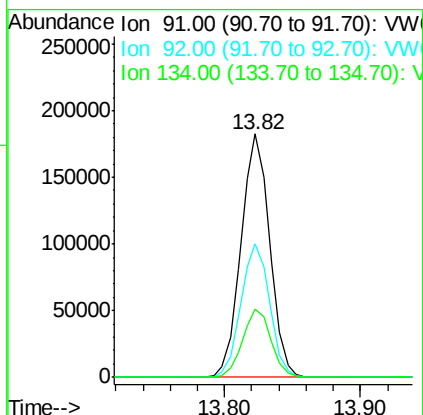
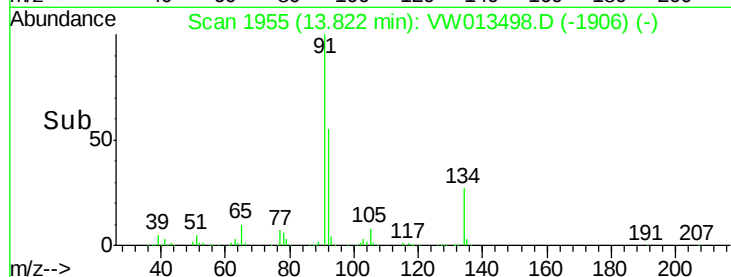
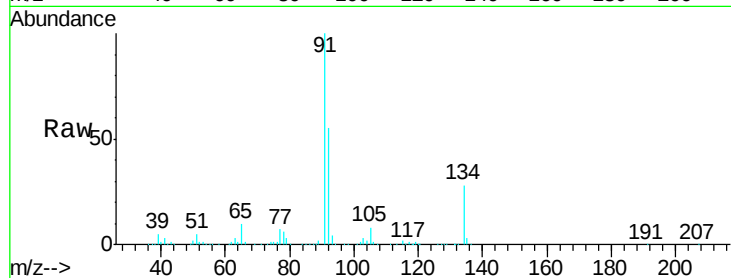
Tgt Ion: 91 Resp: 268609

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

134 27.8 13.8 41.3



#90

Hexachloroethane

Concen: 20.822 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013498.D

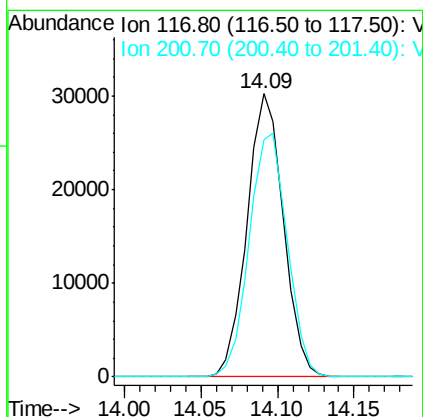
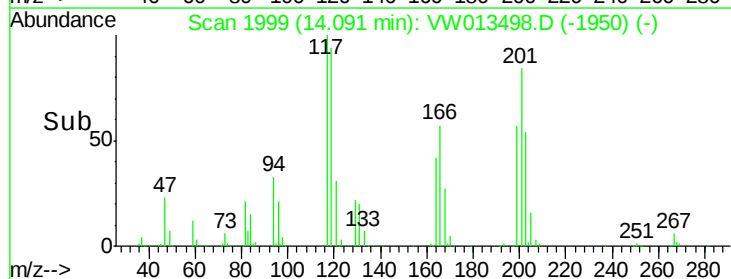
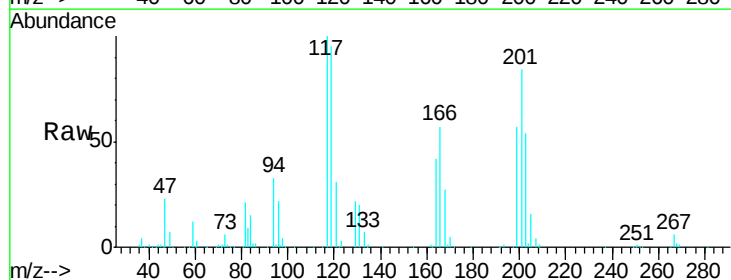
Acq: 09 Oct 2019 12:43

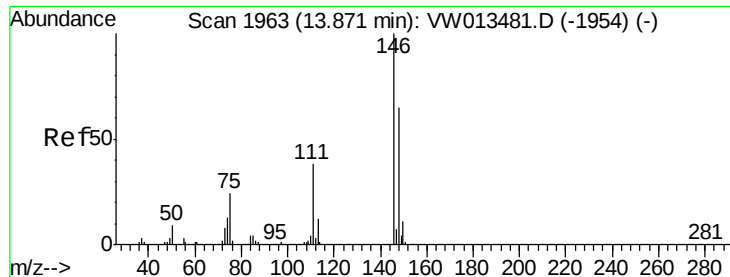
Tgt Ion: 117 Resp: 50046

Ion Ratio Lower Upper

117 100

201 90.1 46.9 140.7

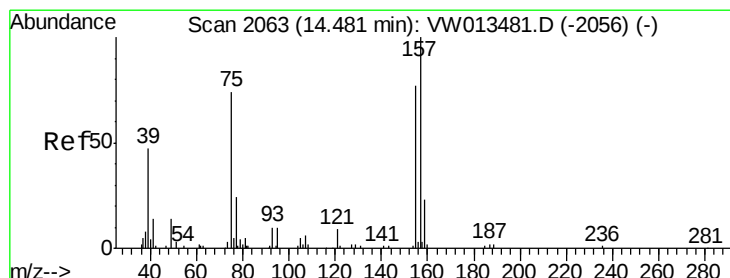
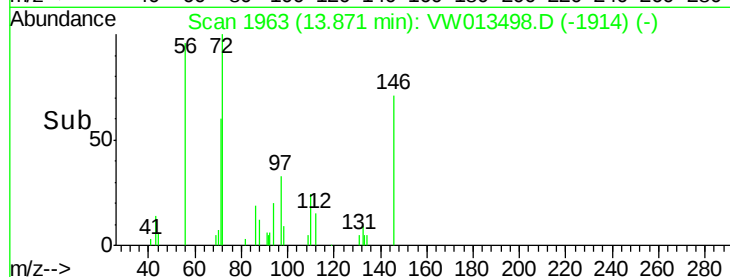
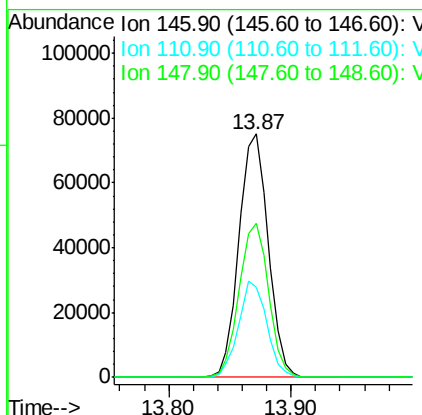
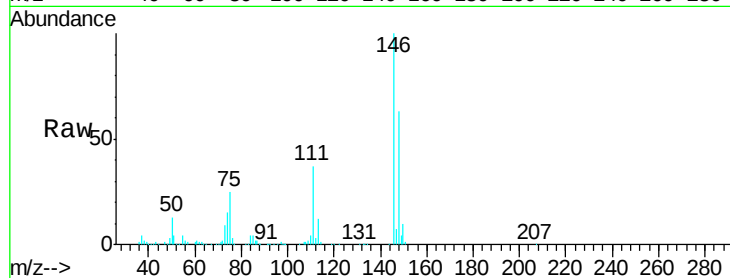




#91
 1,2-Dichlorobenzene
 Concen: 20.893 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

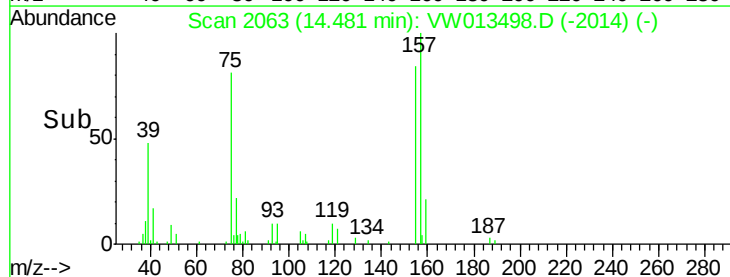
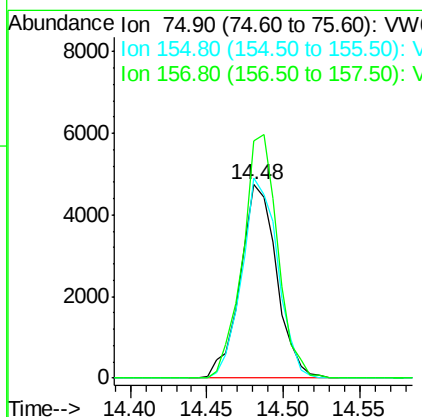
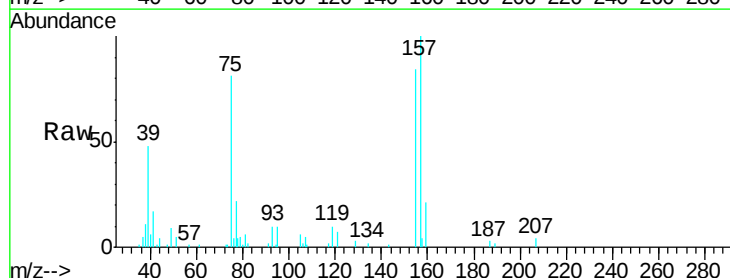
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

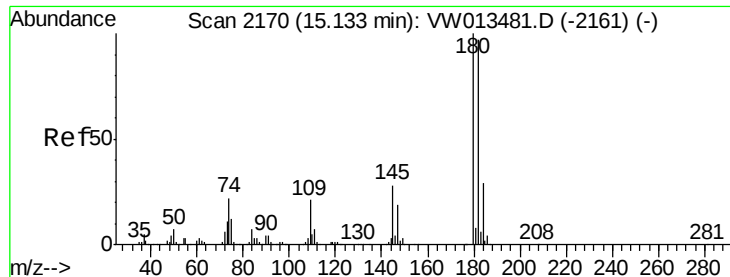
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	63.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.273 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	51.0	153.1
157	120.9	65.9	197.7

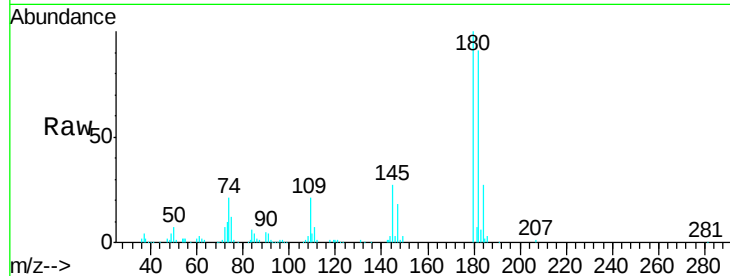




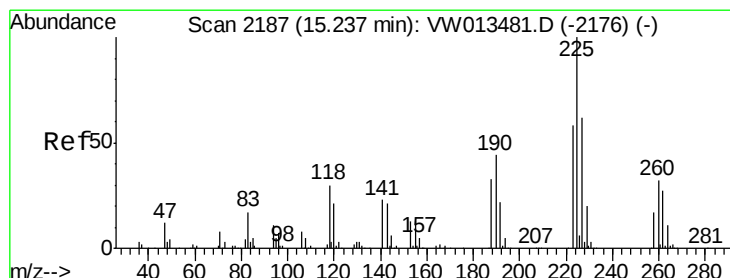
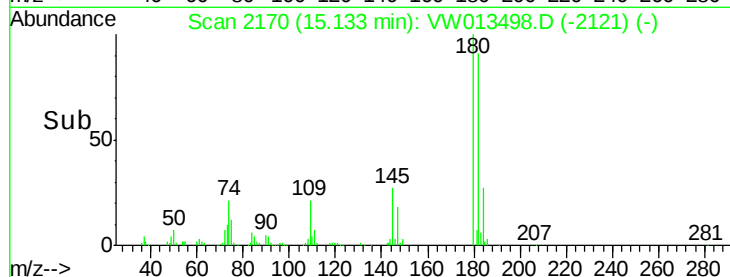
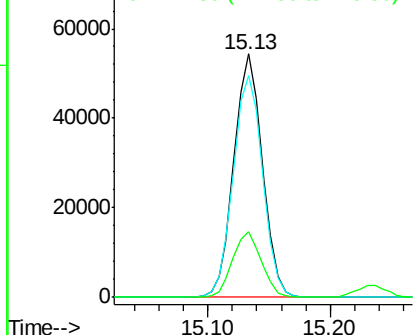
#93
 1,2,4-Trichlorobenzene
 Concen: 20.836 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

Tgt Ion:180 Resp: 87626
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.7 143.1
 145 27.2 14.0 41.9

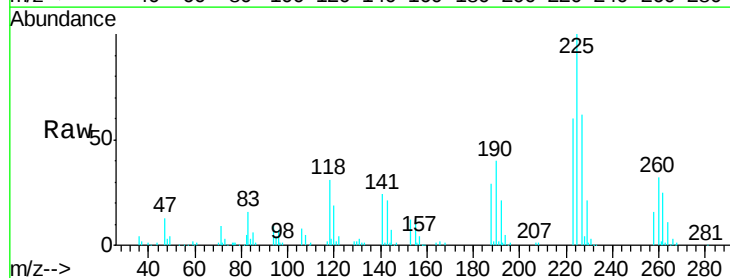


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

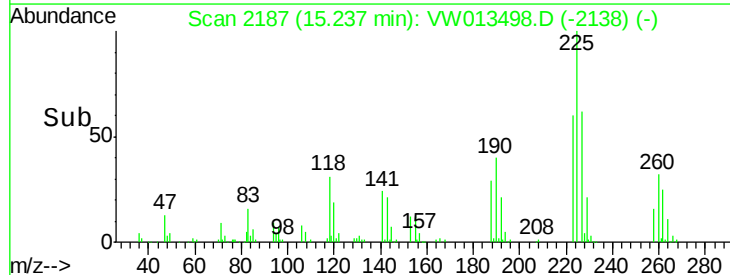
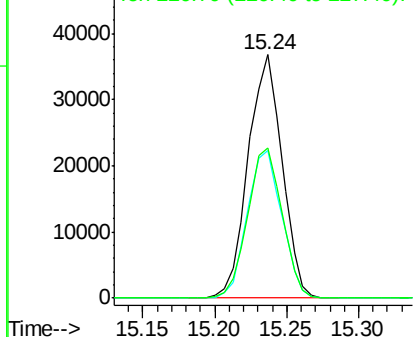


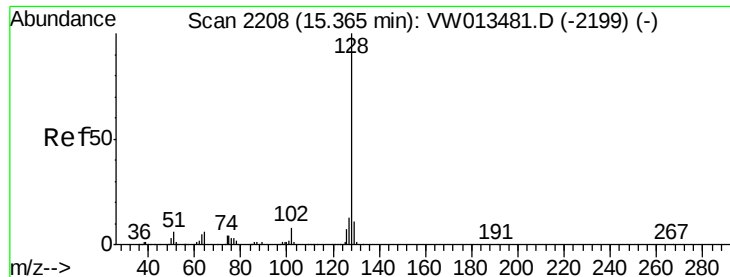
#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion:225 Resp: 59872
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.3 90.9
 227 62.8 32.0 96.0



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

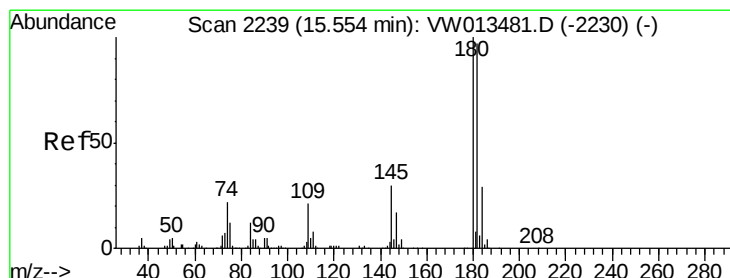
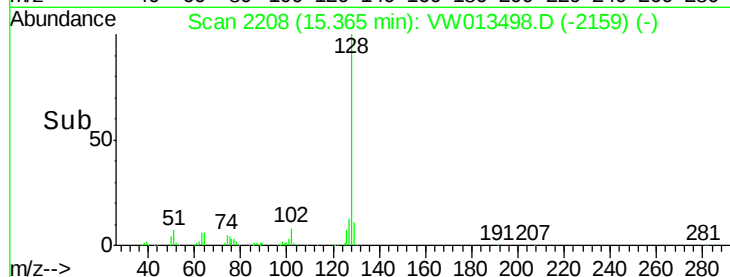
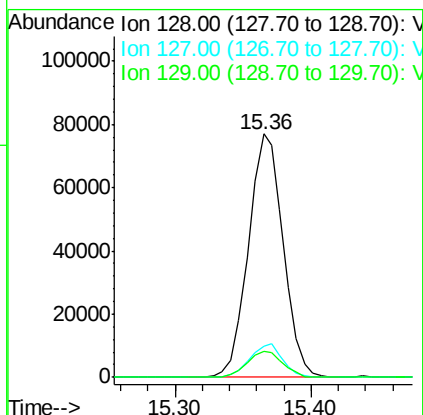
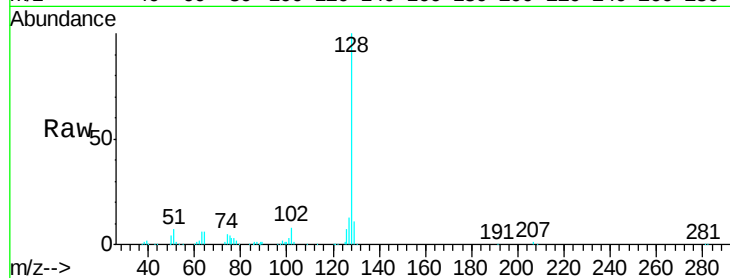




#95
Naphthalene
Concen: 18.928 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

Tgt Ion:128 Resp: 137696
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.114 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:180 Resp: 73970
Ion Ratio Lower Upper
180 100
182 95.2 47.7 143.1
145 29.6 14.9 44.9

