

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 14:56:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226435	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	147978	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	7.88	113	144153	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.32	98	611038	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.62	95	206285	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	97132	59.419	ug/l	100
3) Chloromethane	2.21	50	122019	58.572	ug/l	100
4) Vinyl Chloride	2.36	62	163342	59.990	ug/l	100
5) Bromomethane	2.77	94	106919	63.293	ug/l	100
6) Chloroethane	2.92	64	100050	60.226	ug/l	100
7) Trichlorofluoromethane	3.25	101	97301	53.264	ug/l	100
8) Diethyl Ether	3.68	74	84350	57.777	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159657	56.554	ug/l	100
10) Methyl Iodide	4.27	142	251156	68.042	ug/l	100
11) Tert butyl alcohol	5.18	59	47925	189.488	ug/l	100
12) 1,1-Dichloroethene	4.04	96	164693	62.586	ug/l	100
13) Acrolein	3.89	56	44811	195.610	ug/l	100
14) Allyl chloride	4.66	41	267502	55.436	ug/l	100
15) Acrylonitrile	5.37	53	179063	249.124	ug/l	100
16) Acetone	4.13	43	157066	205.247	ug/l	100
17) Carbon Disulfide	4.38	76	486110	83.904	ug/l	100
18) Methyl Acetate	4.67	43	86806	45.933	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	257586	52.193	ug/l	100
20) Methylene Chloride	4.91	84	174000	53.671	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	181754	64.290	ug/l	100
22) Diisopropyl ether	6.31	45	516921	52.372	ug/l	100
23) Vinyl Acetate	6.25	43	1520107	259.009	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306262	53.270	ug/l	100
25) 2-Butanone	7.17	43	232476	223.844	ug/l	100
26) 2,2-Dichloropropane	7.17	77	191212	47.647	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	193203	58.392	ug/l	100
28) Bromochloromethane	7.51	49	127190	52.810	ug/l	100
29) Tetrahydrofuran	7.52	42	147556	246.036	ug/l	100
30) Chloroform	7.67	83	291463	50.484	ug/l	100
31) Cyclohexane	7.95	56	304353	59.615	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	242775	50.979	ug/l	100
36) 1,1-Dichloropropene	8.08	75	248226	57.873	ug/l	100
37) Ethyl Acetate	7.25	43	103050	47.224	ug/l	100
38) Carbon Tetrachloride	8.07	117	228125	53.062	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	327630	67.008	ug/l	100
40) Benzene	8.32	78	701356	58.572	ug/l	100
41) Methacrylonitrile	7.48	41	63836	44.896	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188597	48.859	ug/l	100
43) Isopropyl Acetate	8.42	43	200504	48.007	ug/l	100
44) Trichloroethene	9.09	130	195795	59.294	ug/l	100
45) 1,2-Dichloropropane	9.37	63	171000	54.748	ug/l	100
46) Dibromomethane	9.46	93	82726	55.150	ug/l	100
47) Bromodichloromethane	9.64	83	214485	51.860	ug/l	100
48) Methyl methacrylate	9.43	41	94725	48.218	ug/l	100
49) 1,4-Dioxane	9.46	88	21640	900.571	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	504105	234.766	ug/l	100
52) Toluene	10.38	92	452247	59.379	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223058	53.337	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	266998	55.296	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	122566	53.817	ug/l	100
56) Ethyl methacrylate	10.64	69	166300	54.572	ug/l	100
57) 1,3-Dichloropropane	10.93	76	217807	54.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	398369	247.108	ug/l	100
59) 2-Hexanone	10.97	43	348096	234.044	ug/l	100
60) Dibromochloromethane	11.13	129	143304	52.683	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115901	55.611	ug/l	100
64) Tetrachloroethene	10.86	164	169418	60.631	ug/l	100
65) Chlorobenzene	11.66	112	462770	56.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	162397	52.650	ug/l	100
67) Ethyl Benzene	11.73	91	863830	57.157	ug/l	100
68) m/p-Xylenes	11.84	106	661836	118.835	ug/l	100
69) o-Xylene	12.16	106	304359	58.457	ug/l	100
70) Styrene	12.18	104	533121	57.781	ug/l	100
71) Bromoform	12.35	173	85046	52.774	ug/l	100
73) Isopropylbenzene	12.46	105	849080	55.684	ug/l	100
74) N-amyl acetate	12.27	43	188910	49.417	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	136902	51.941	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	175678	88.933	ug/l #	100
77) Bromobenzene	12.74	156	204059	57.443	ug/l	100
78) n-propylbenzene	12.80	91	1001450	55.869	ug/l	100
79) 2-Chlorotoluene	12.89	91	557502	54.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	716565	55.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45100	51.663	ug/l	100
82) 4-Chlorotoluene	12.99	91	577322	53.567	ug/l	100
83) tert-Butylbenzene	13.21	119	632127	54.968	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	713029	55.896	ug/l	100
85) sec-Butylbenzene	13.38	105	875237	55.689	ug/l	100
86) p-Isopropyltoluene	13.49	119	810723	56.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384158	55.075	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	377641	55.226	ug/l	100
89) n-Butylbenzene	13.82	91	746873	55.093	ug/l	100
90) Hexachloroethane	14.09	117	137112	53.365	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	332872	54.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21184	44.684	ug/l	100

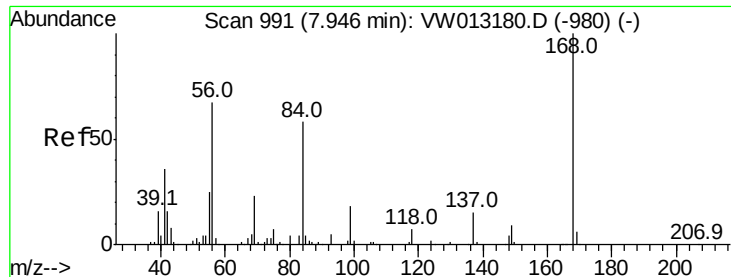
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	244266	55.872	ug/l	100
94) Hexachlorobutadiene	15.24	225	162213	52.677	ug/l	100
95) Naphthalene	15.36	128	408945	56.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	209860	54.482	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: VW013180.D

Acq: 20 Sep 2019 14:01

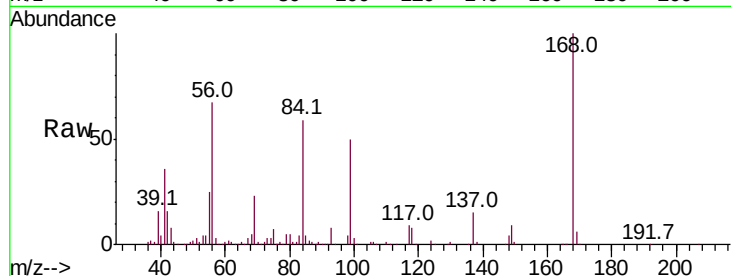
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 361138

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

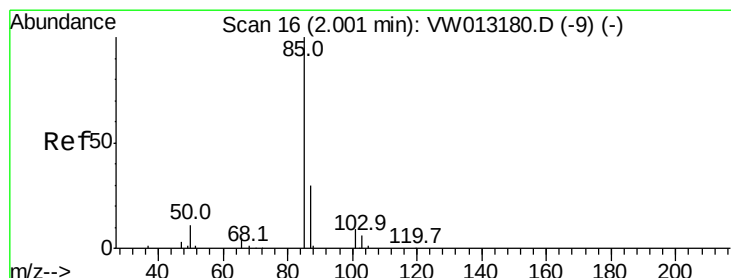
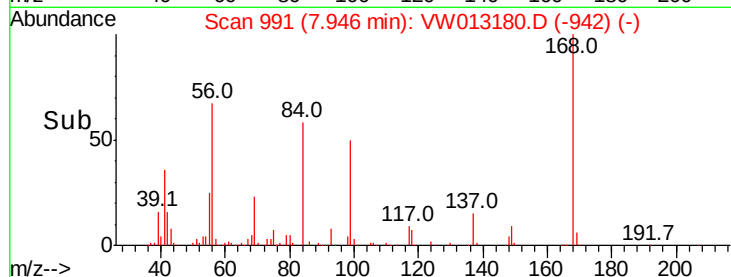
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 59.419 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW013180.D

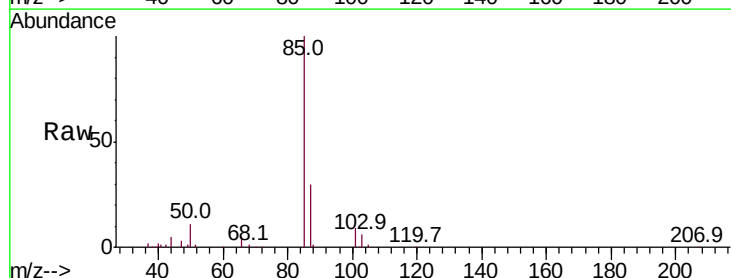
Acq: 20 Sep 2019 14:01

Tgt Ion: 85 Resp: 97132

Ion Ratio Lower Upper

85 100

87 30.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

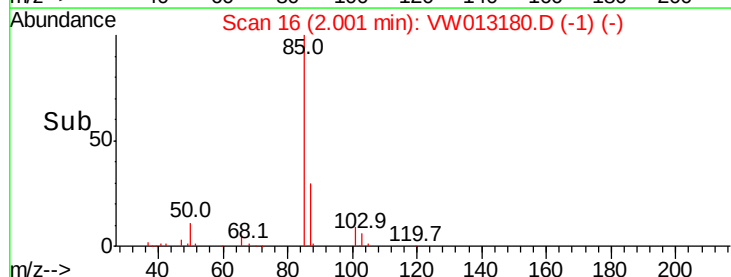
30000

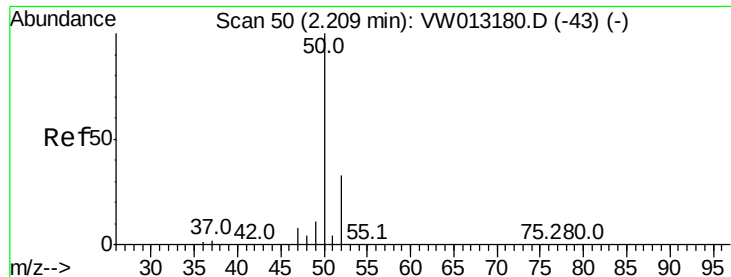
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 58.572 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

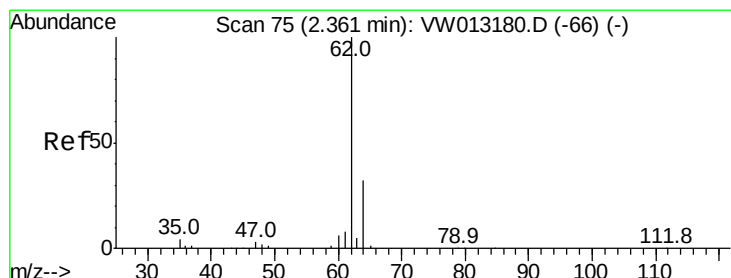
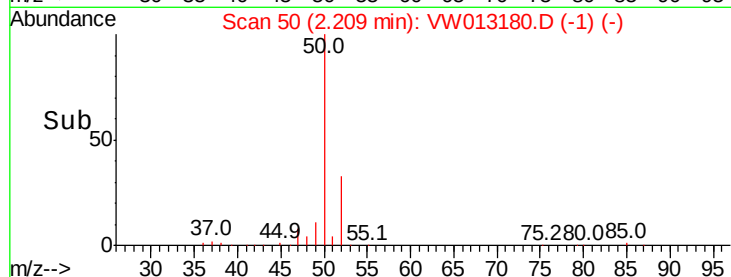
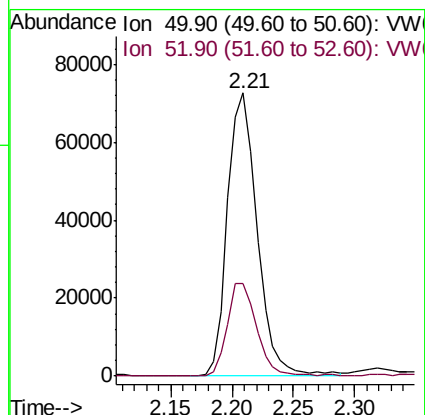
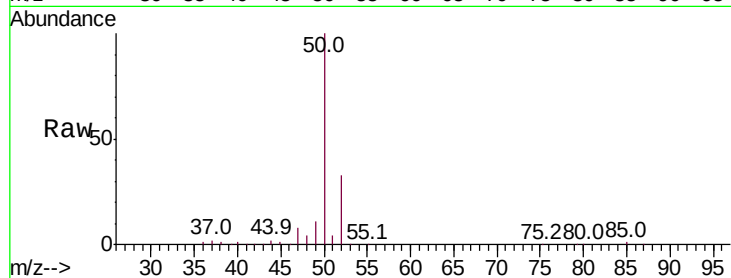
ClientSampleId :

Tot Ion: 50 Resp: 122019

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 59.990 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013180.D

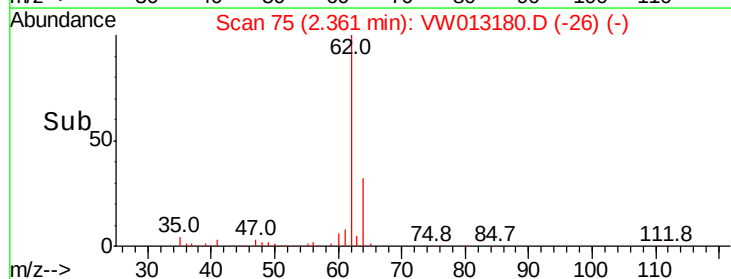
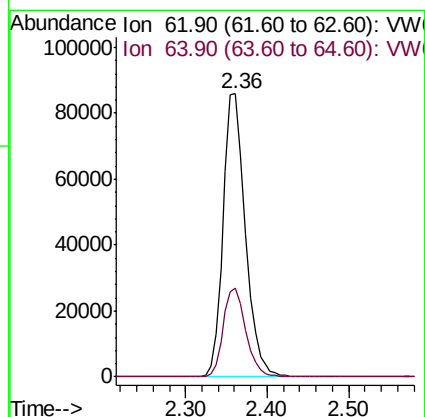
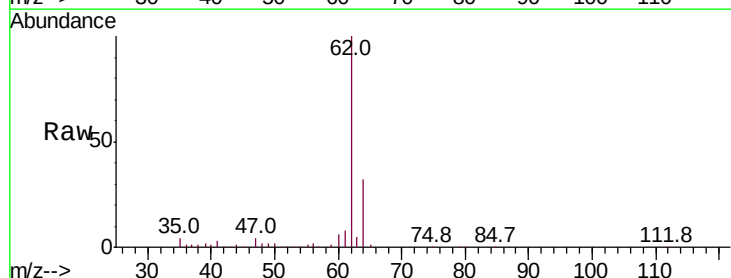
Acq: 20 Sep 2019 14:01

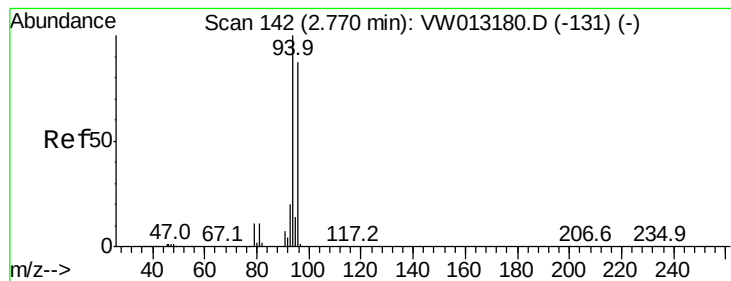
Tgt Ion: 62 Resp: 163342

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 63.293 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

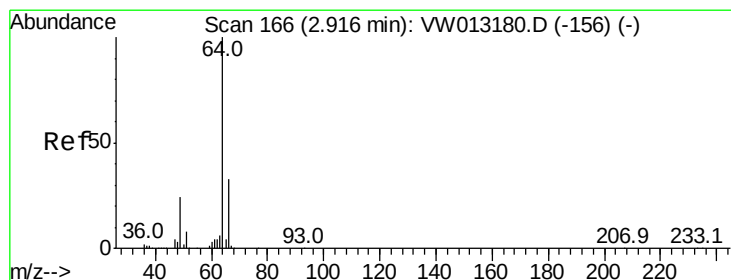
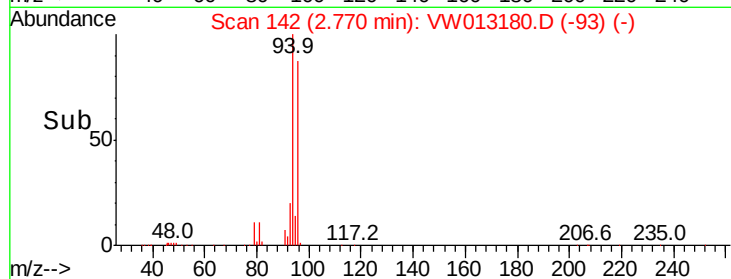
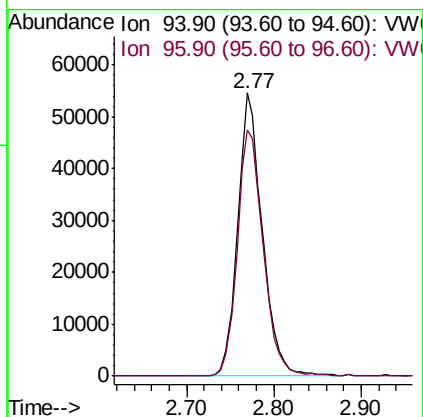
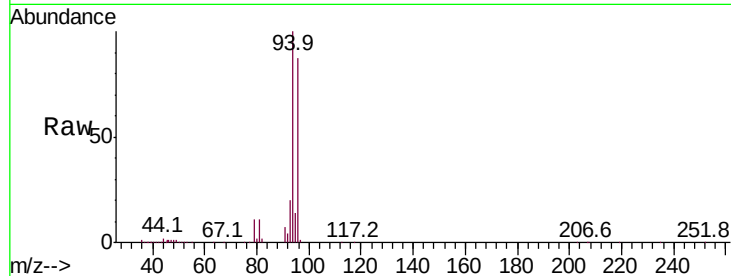
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 106919

Ion Ratio Lower Upper

94 100

96 87.1 69.7 104.5



#6

Chloroethane

Concen: 60.226 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013180.D

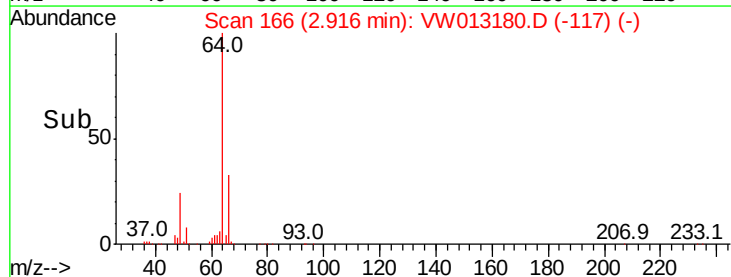
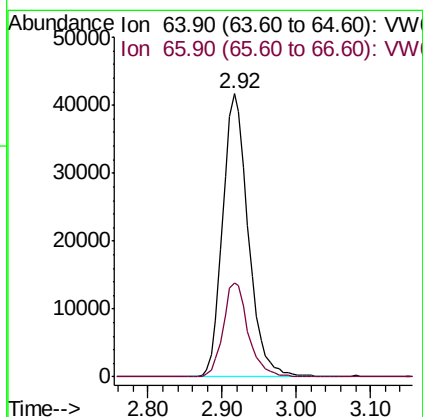
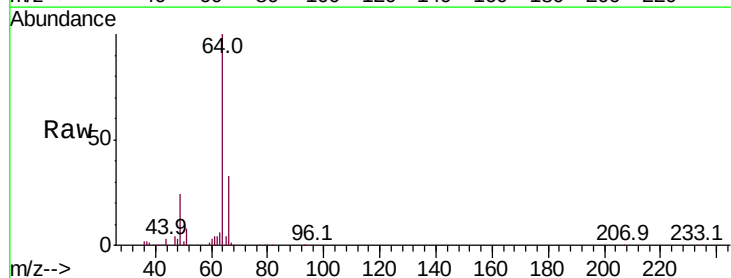
Acq: 20 Sep 2019 14:01

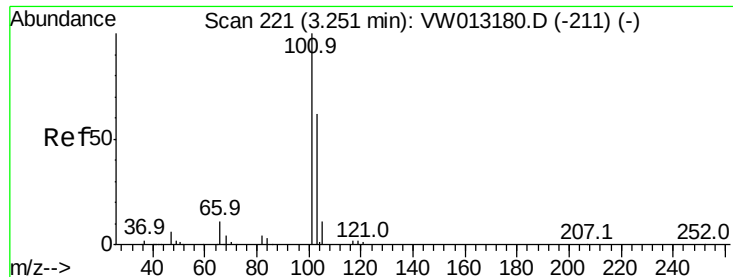
Tgt Ion: 64 Resp: 100050

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



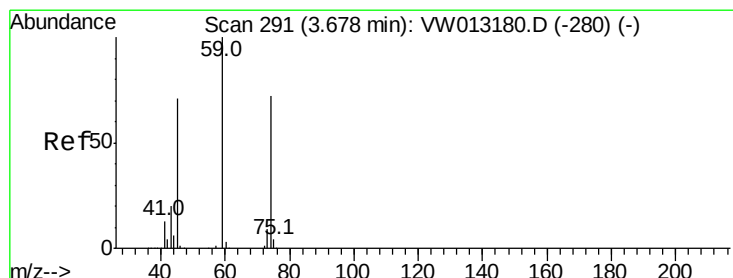
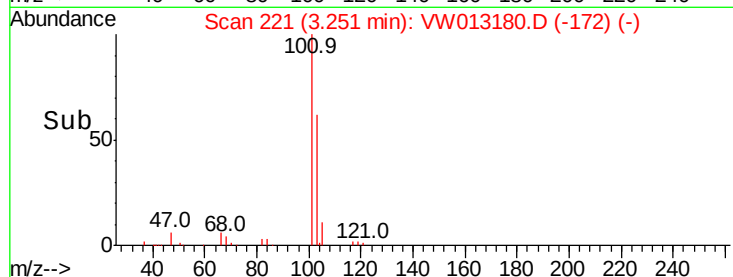
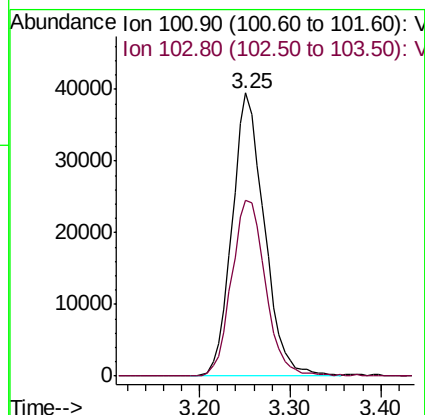
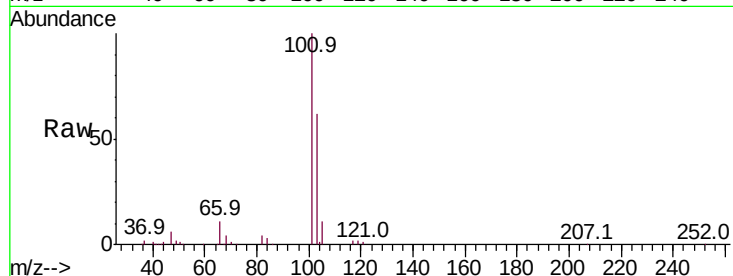


#7

Trichlorofluoromethane
Concen: 53.264 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
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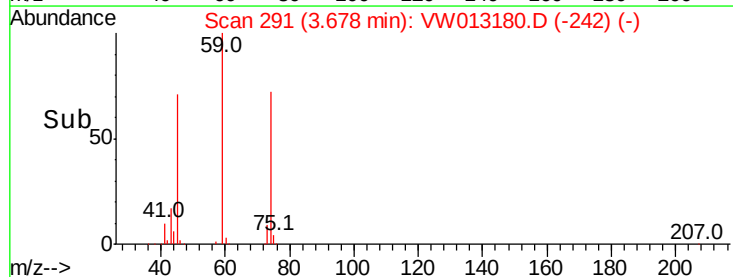
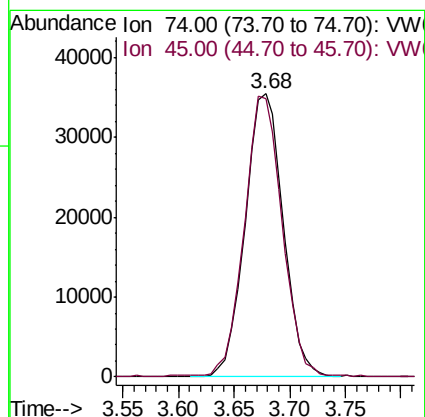
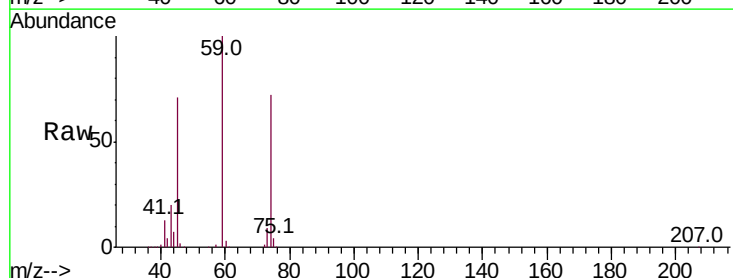
Tot Ion:101 Resp: 97301
Ion Ratio Lower Upper
101 100
103 62.1 49.7 74.5

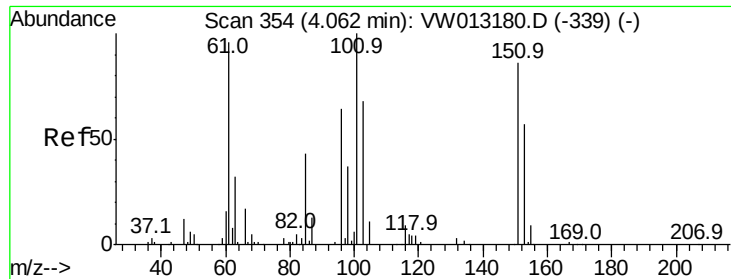


#8

Diethyl Ether
Concen: 57.777 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 74 Resp: 84350
Ion Ratio Lower Upper
74 100
45 99.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.554 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

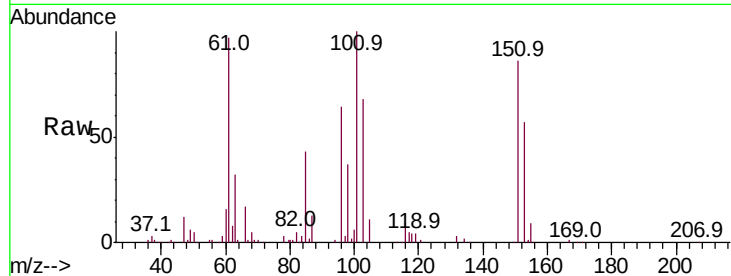
Tot Ion:101 Resp: 159657

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

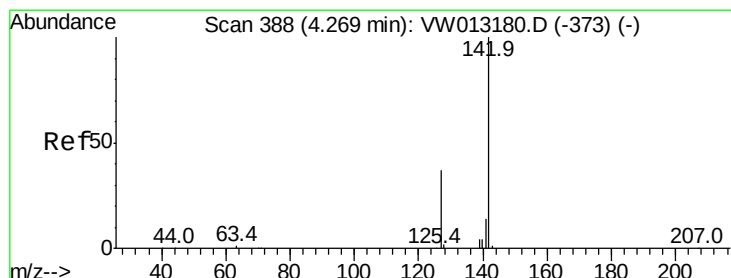
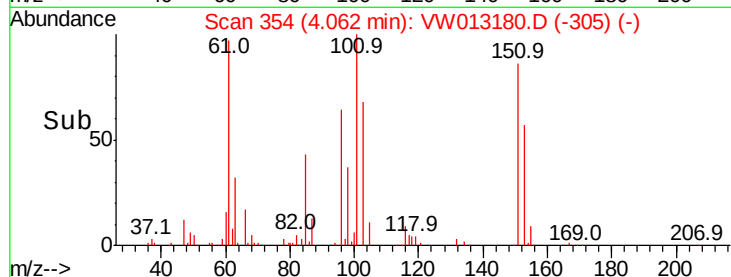
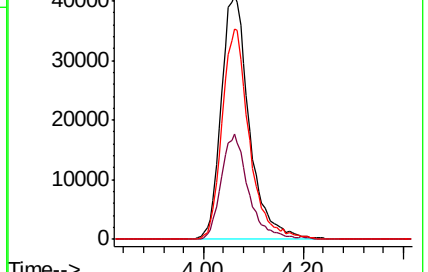
151 83.6 66.9 100.3



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: 68.042 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

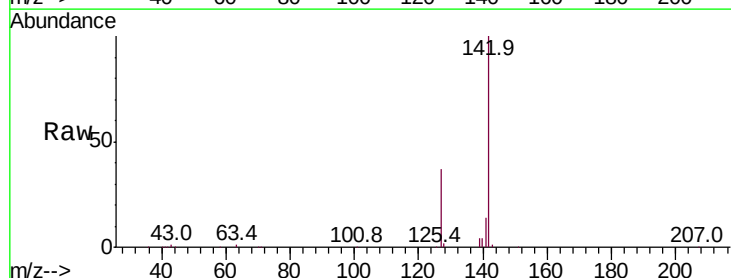
Tgt Ion:142 Resp: 251156

Ion Ratio Lower Upper

142 100

127 38.6 30.9 46.3

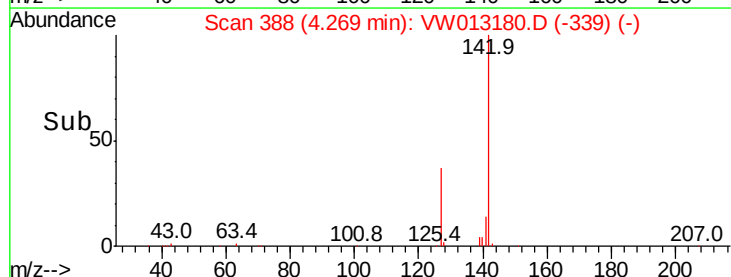
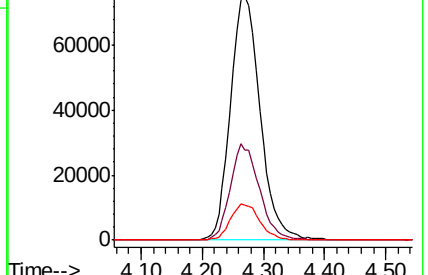
141 14.6 11.7 17.5

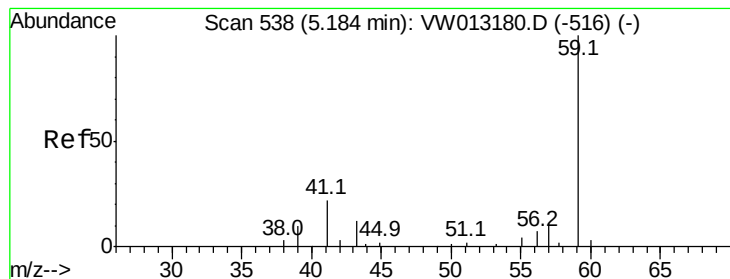


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



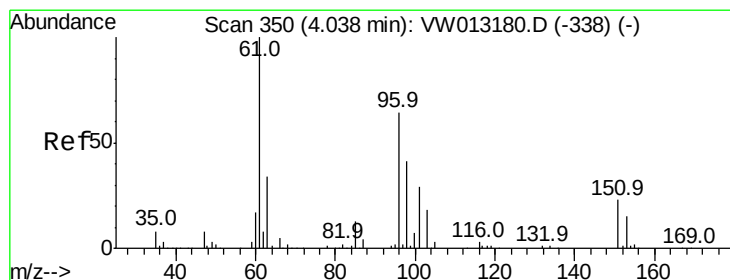
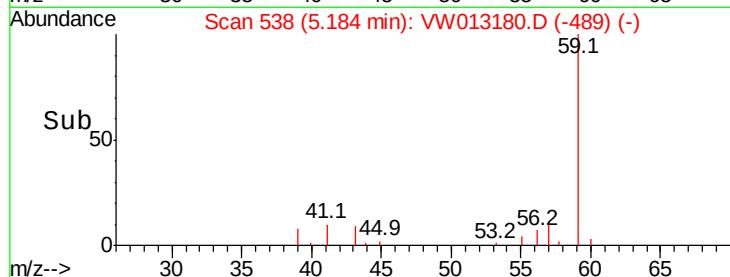
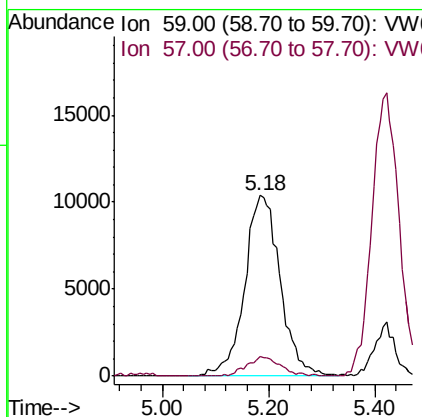
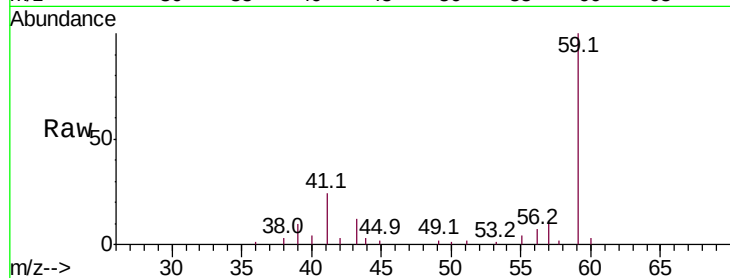


#11

Tert butyl alcohol
 Concen: 189.488 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :

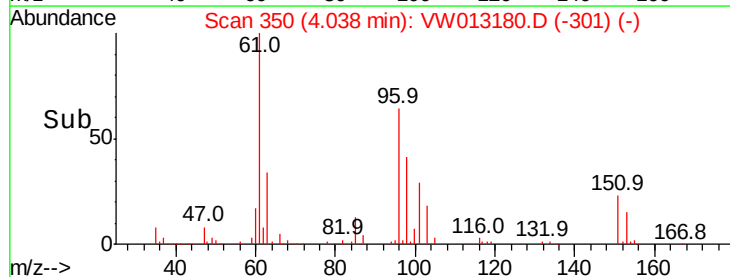
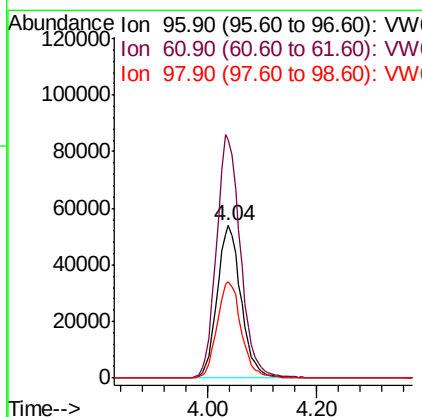
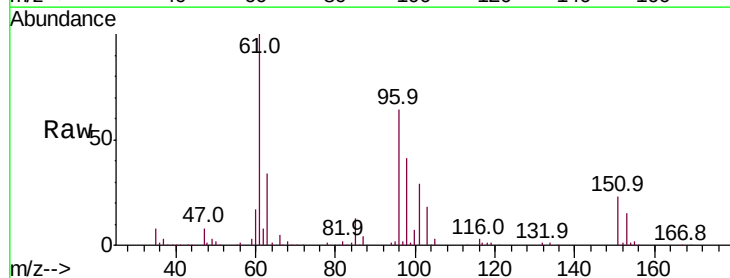
Tot Ion: 59 Resp: 47925
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

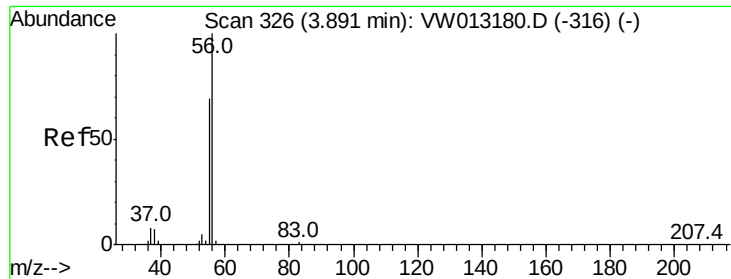


#12

1,1-Dichloroethene
 Concen: 62.586 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 96 Resp: 164693
 Ion Ratio Lower Upper
 96 100
 61 156.4 125.1 187.7
 98 63.5 50.8 76.2





#13

Acrolein

Concen: 195.610 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

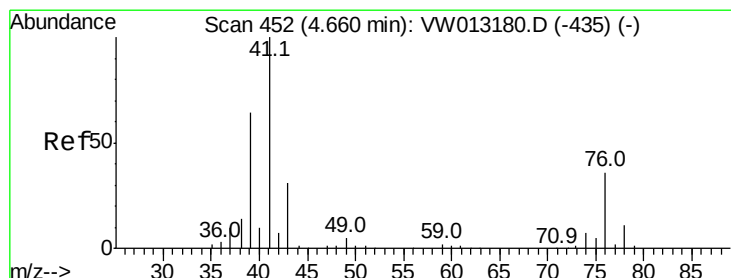
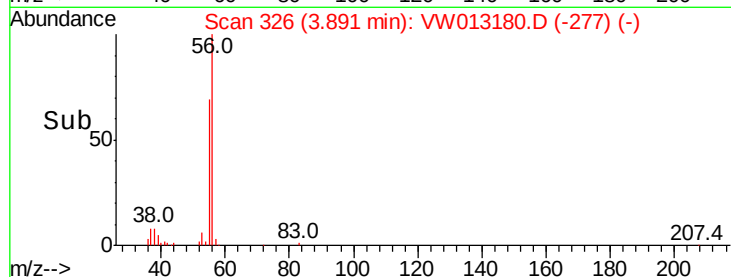
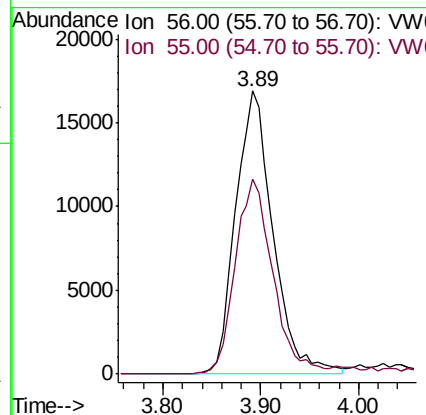
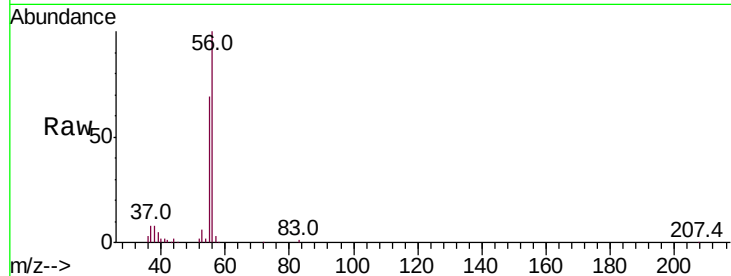
ClientSampleId :

Tot Ion: 56 Resp: 44811

Ion Ratio Lower Upper

56 100

55 69.2 55.4 83.0



#14

Allyl chloride

Concen: 55.436 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

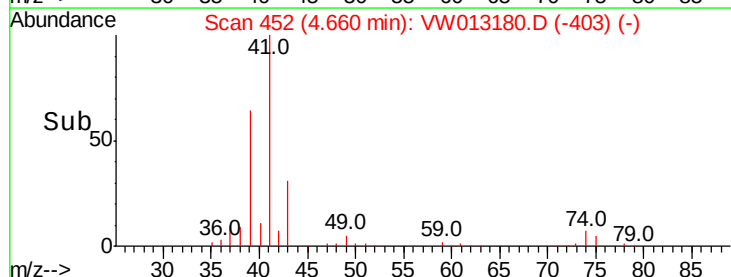
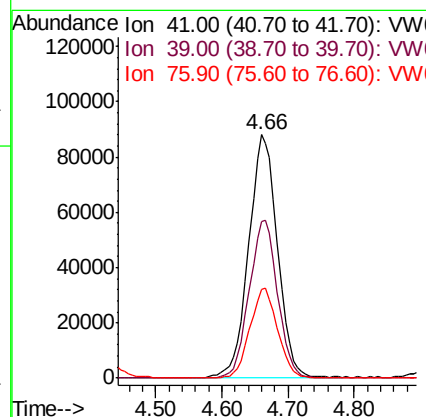
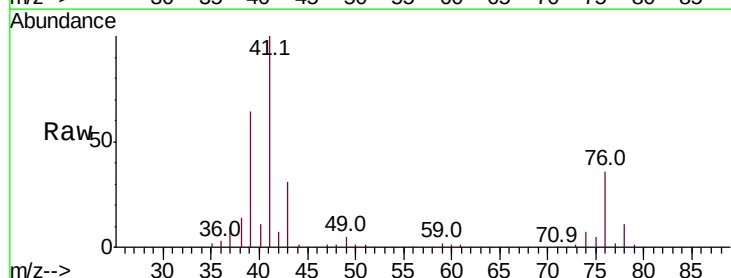
Tgt Ion: 41 Resp: 267502

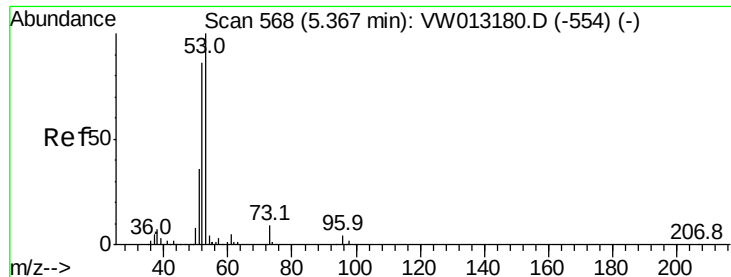
Ion Ratio Lower Upper

41 100

39 63.7 51.0 76.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 249.124 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :

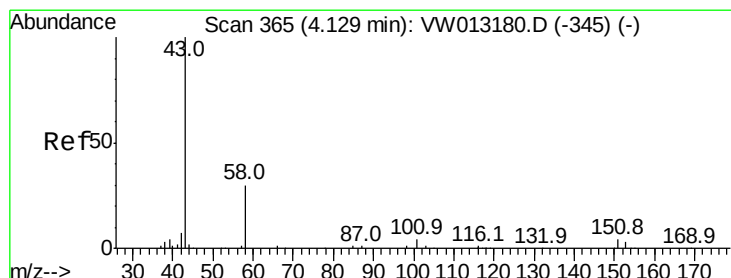
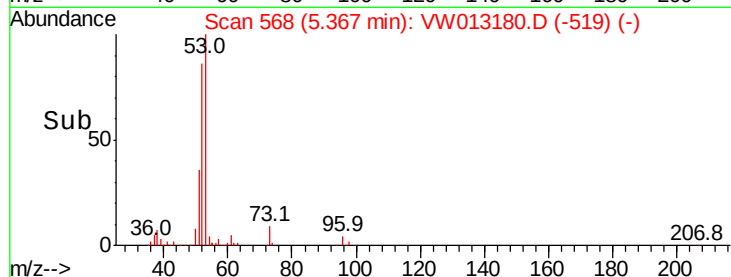
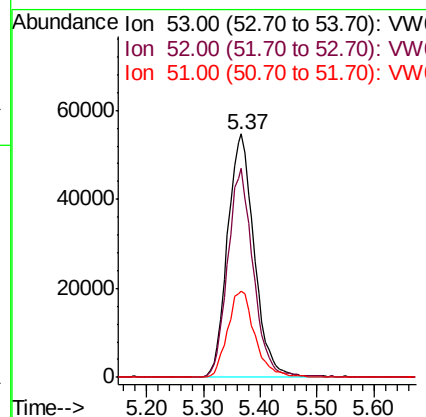
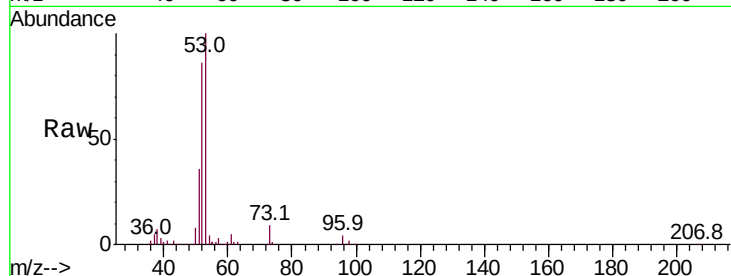
Tot Ion: 53 Resp: 179063

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

51 36.2 29.0 43.4



#16

Acetone

Concen: 205.247 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013180.D

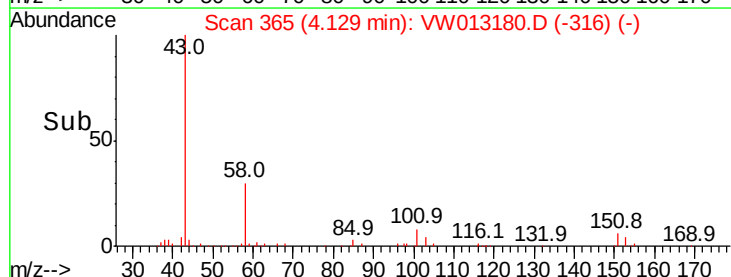
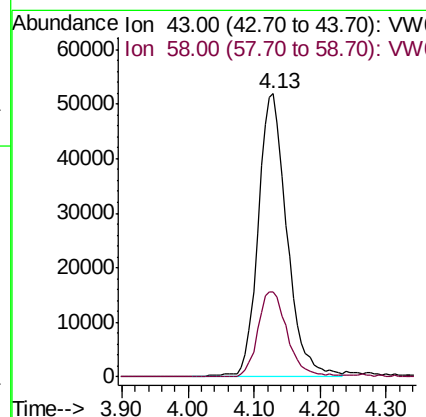
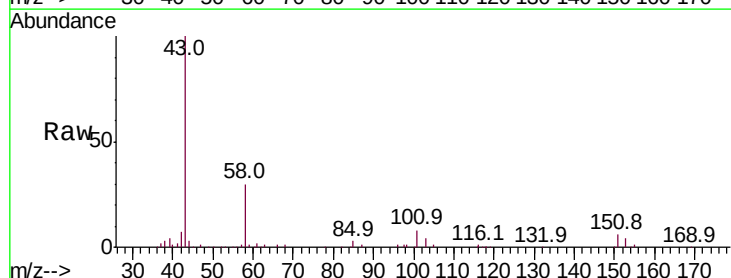
Acq: 20 Sep 2019 14:01

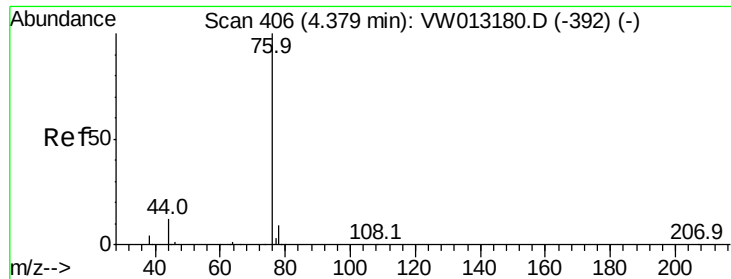
Tgt Ion: 43 Resp: 157066

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1

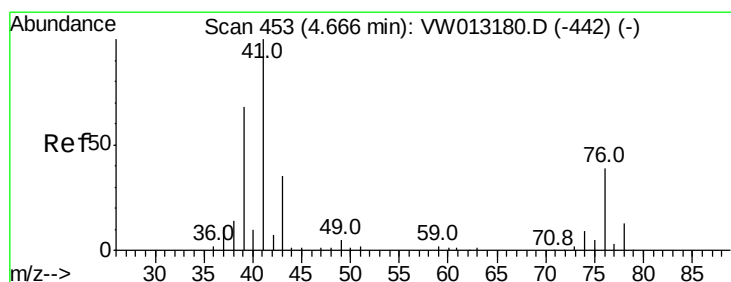
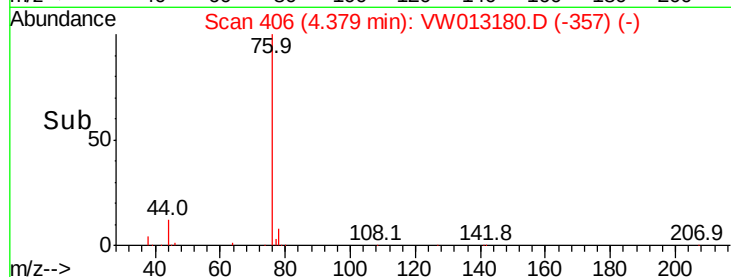
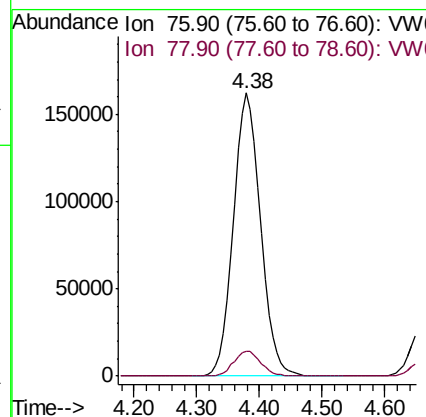
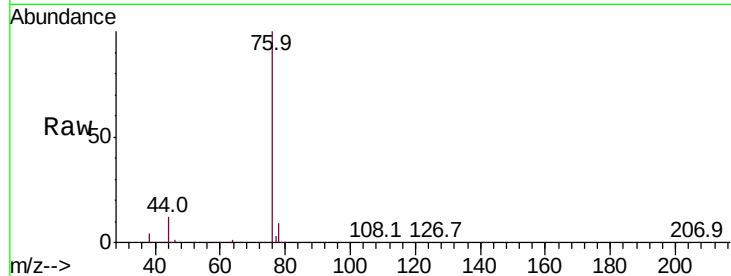




#17
Carbon Disulfide
Concen: 83.904 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

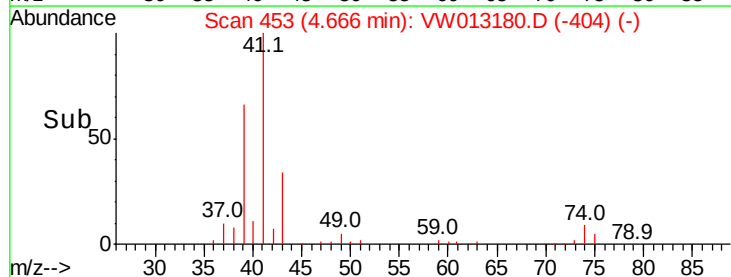
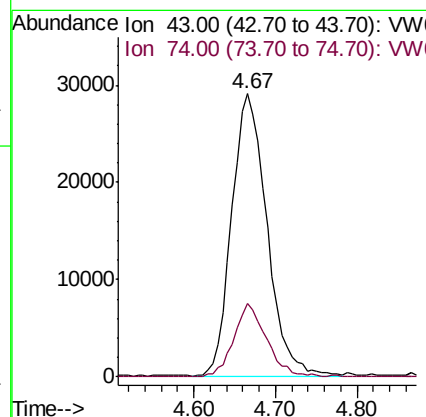
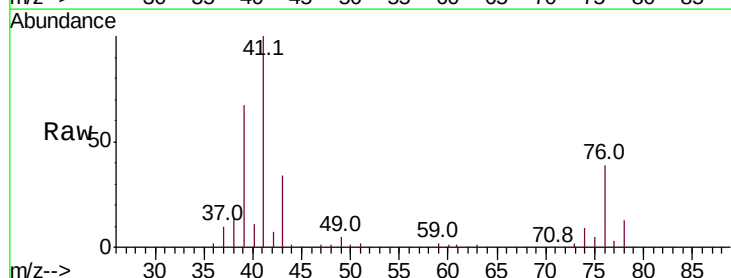
Instrument :
MSVOA_W
ClientSampled :

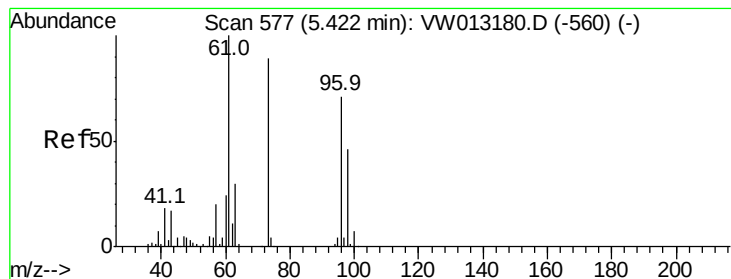
Tot Ion: 76 Resp: 486110
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 45.933 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 43 Resp: 86806
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



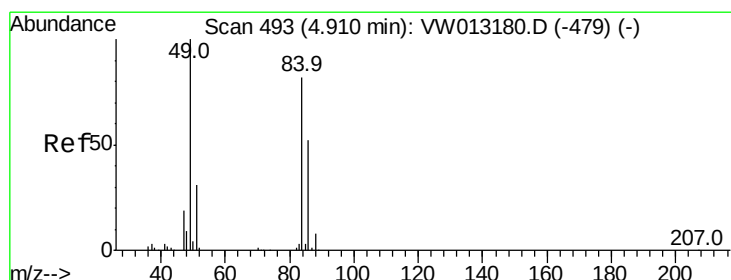
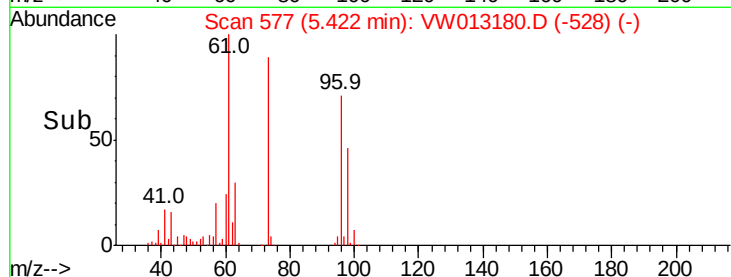
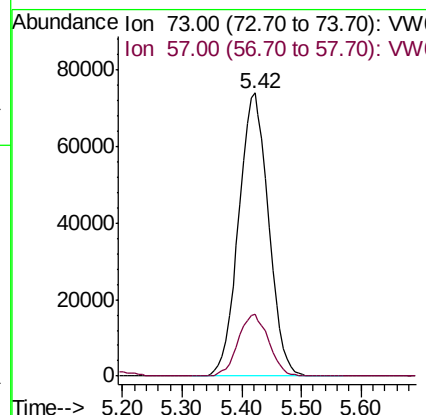
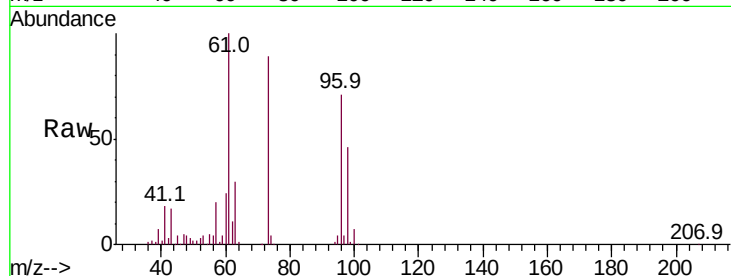


#19

Methyl tert-butyl Ether
 Concen: 52.193 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :

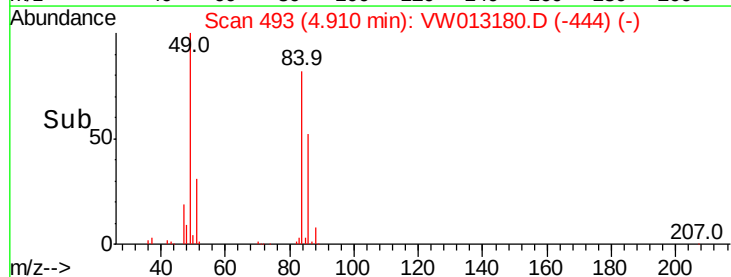
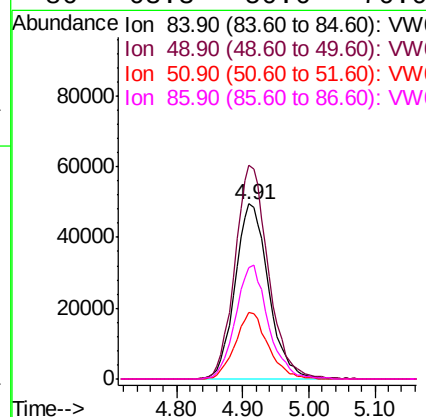
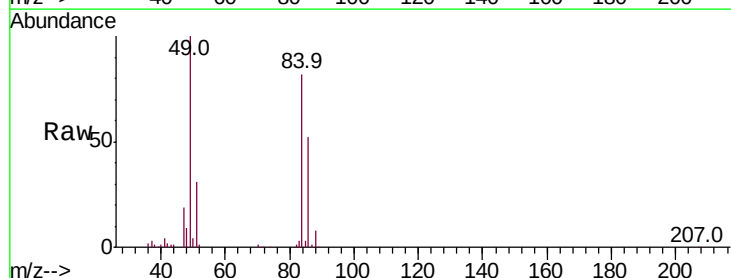
Tot Ion: 73 Resp: 257586
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.6 26.4

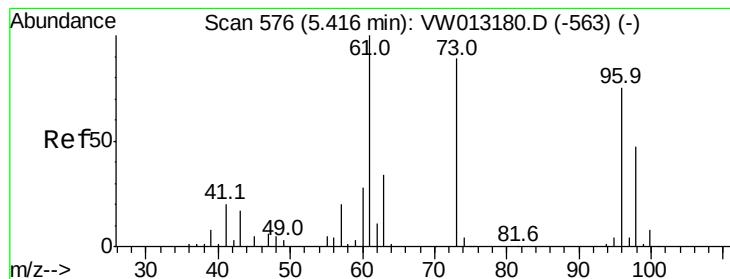


#20

Methylene Chloride
 Concen: 53.671 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 84 Resp: 174000
 Ion Ratio Lower Upper
 84 100
 49 122.0 97.6 146.4
 51 37.7 30.2 45.2
 86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 64.290 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampled :

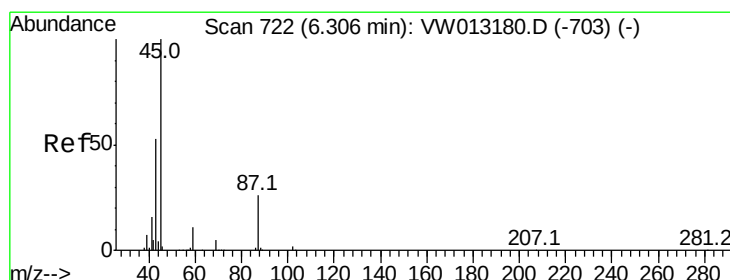
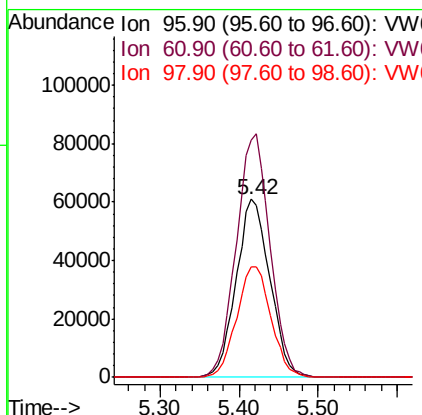
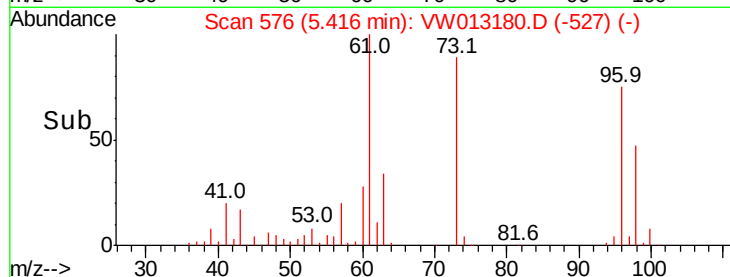
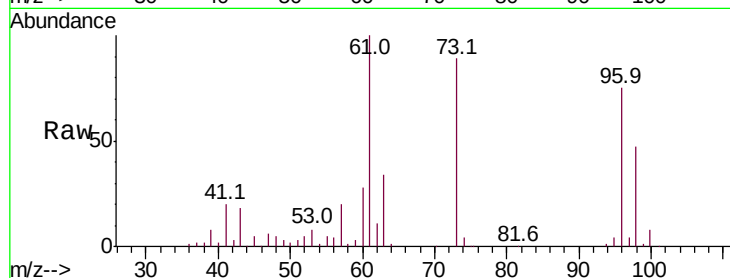
Tot Ion: 96 Resp: 181754

Ion Ratio Lower Upper

96 100

61 133.2 106.6 159.8

98 62.3 49.8 74.8



#22

Diisopropyl ether

Concen: 52.372 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion: 45 Resp: 516921

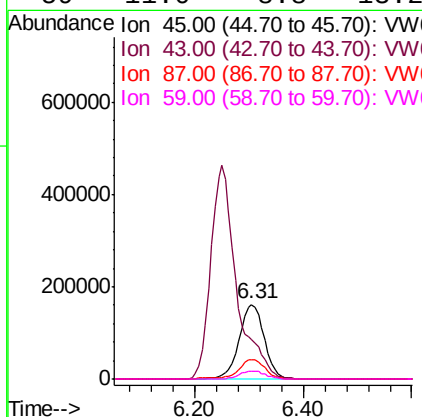
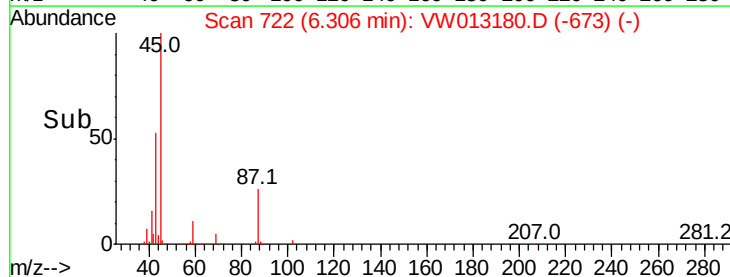
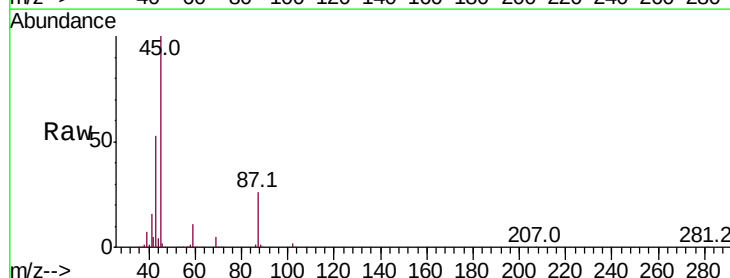
Ion Ratio Lower Upper

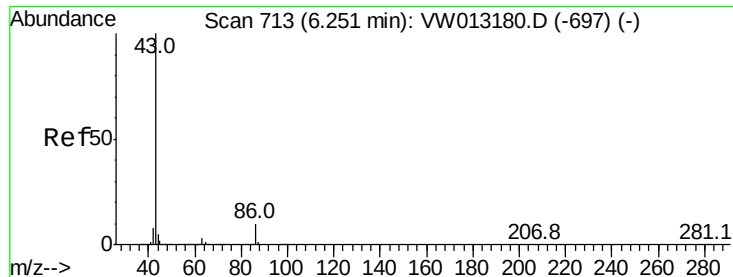
45 100

43 53.0 42.4 63.6

87 25.5 20.4 30.6

59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 259.009 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

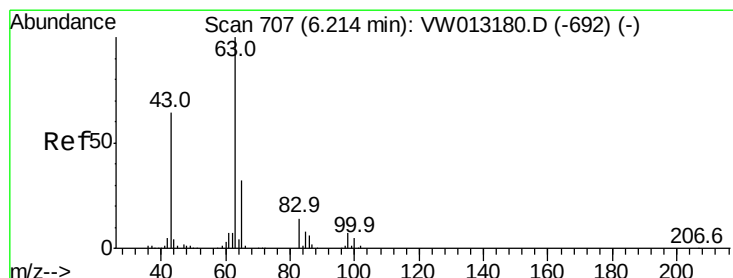
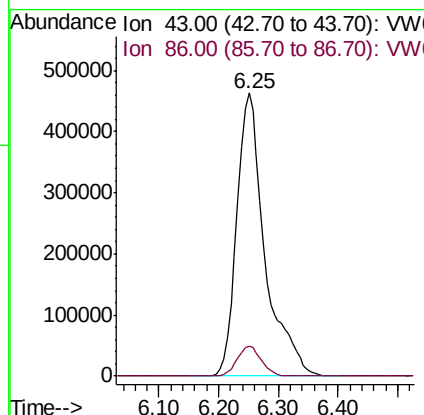
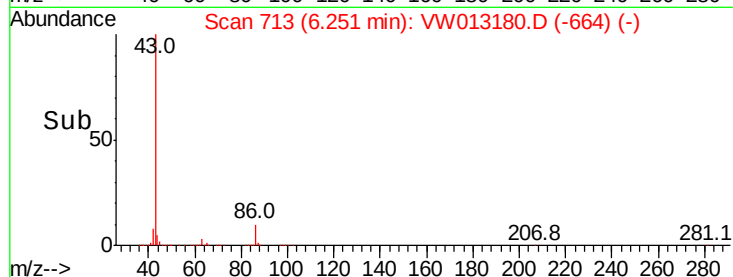
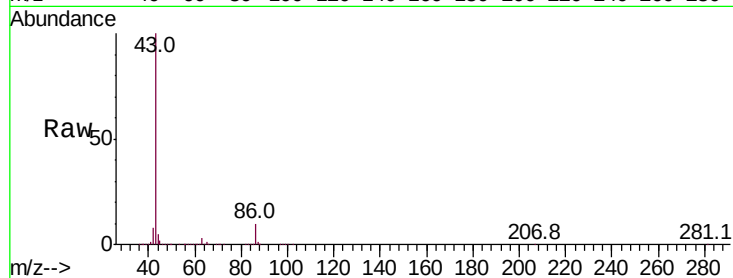
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1520107

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 53.270 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

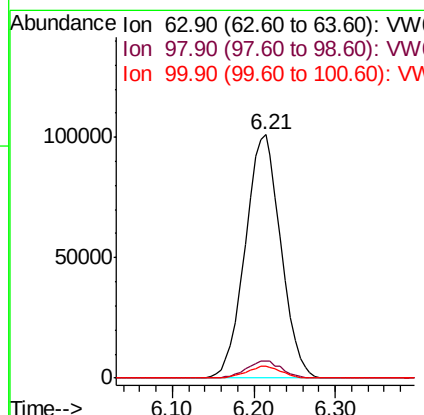
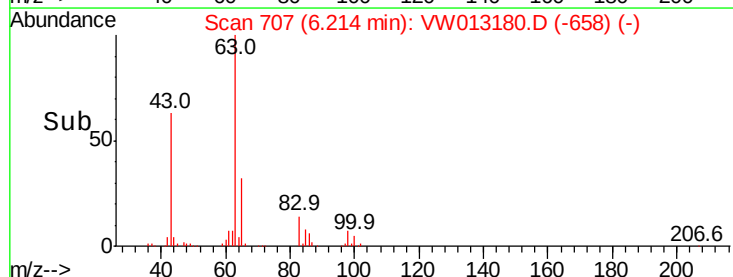
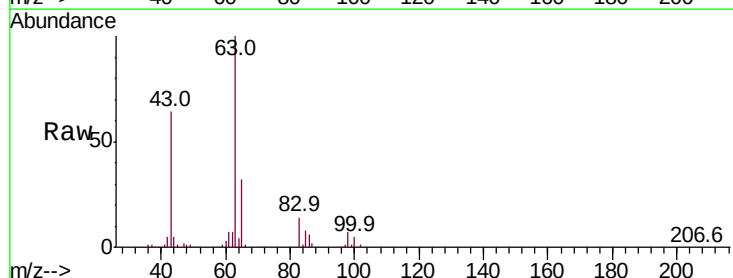
Tgt Ion: 63 Resp: 306262

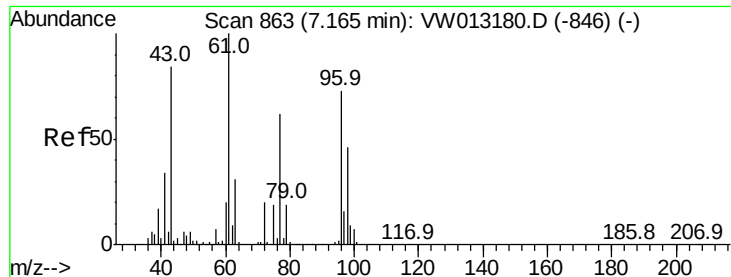
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 223.844 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

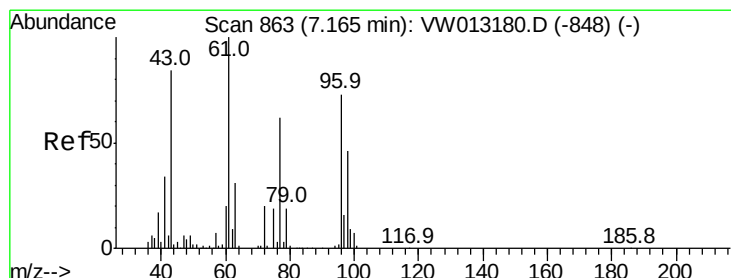
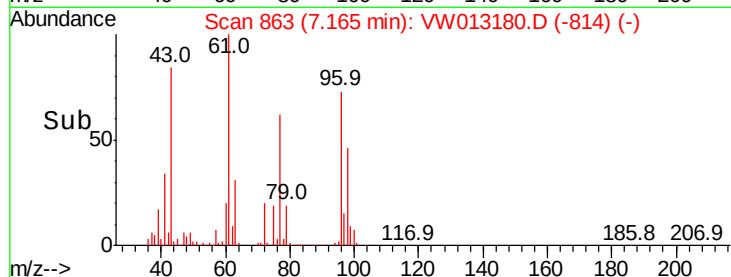
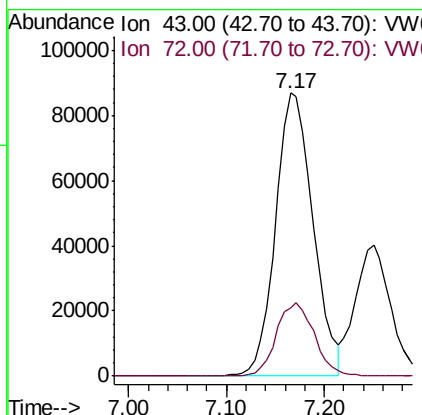
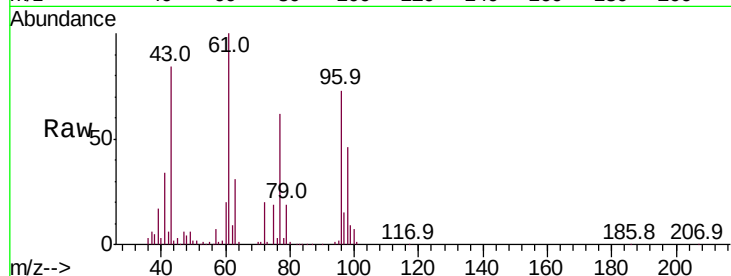
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 232476

Ion Ratio Lower Upper

43 100

72 24.2 19.4 29.0



#26

2,2-Dichloropropane

Concen: 47.647 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013180.D

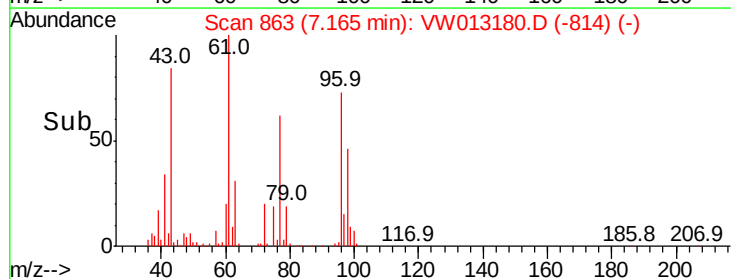
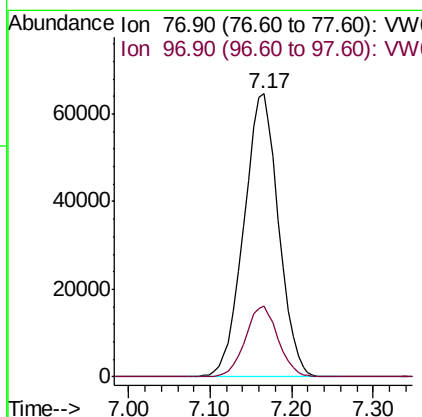
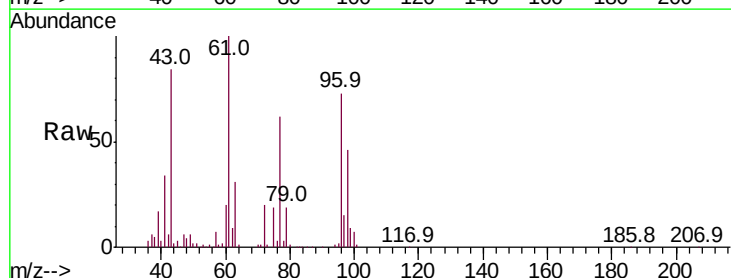
Acq: 20 Sep 2019 14:01

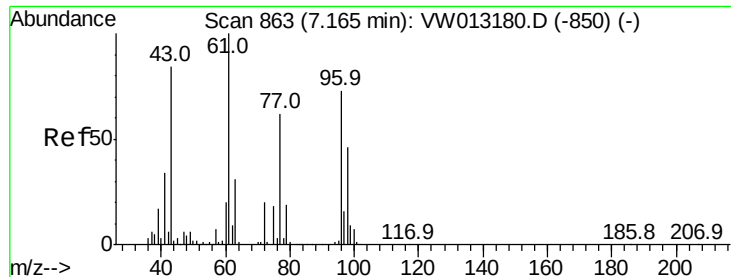
Tgt Ion: 77 Resp: 191212

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4



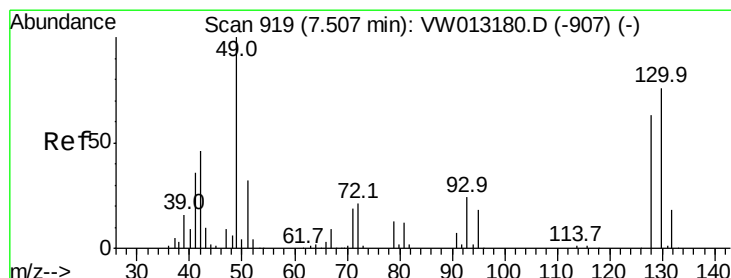
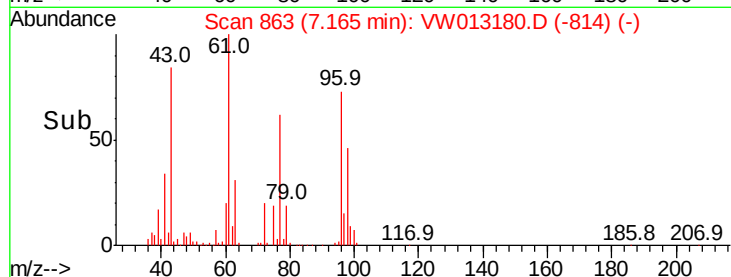
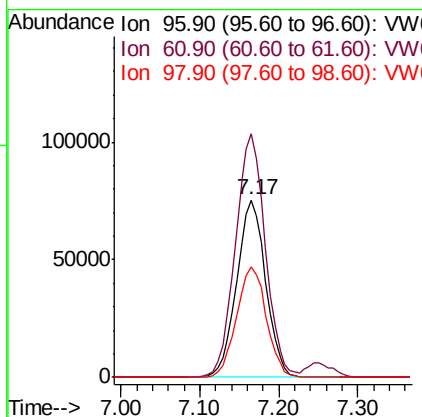
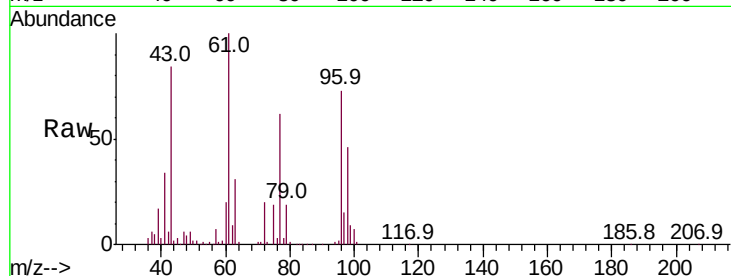


#27

cis-1,2-Dichloroethene
Concen: 58.392 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampled :

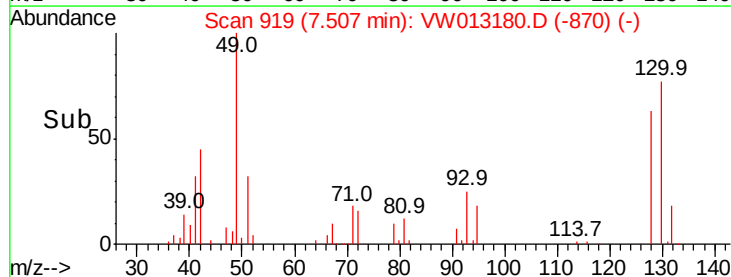
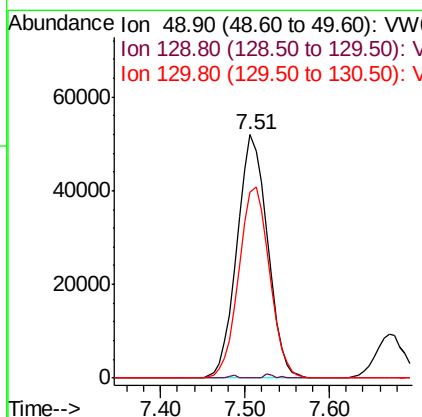
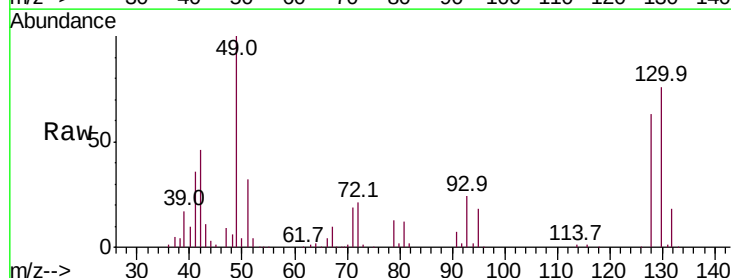
Tot Ion	96	Resp	193203
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	282.4
98	64.1	0.0	128.2

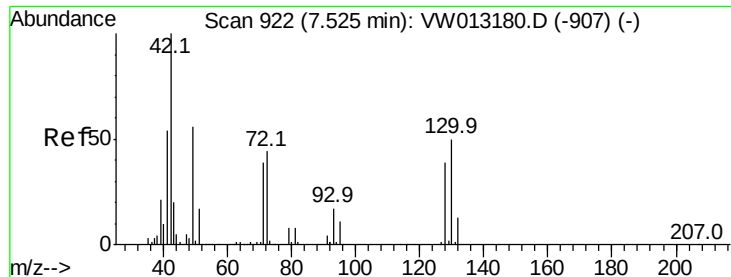


#28

Bromochloromethane
Concen: 52.810 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	49	Resp	127190
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.0
130	79.3	63.4	95.2

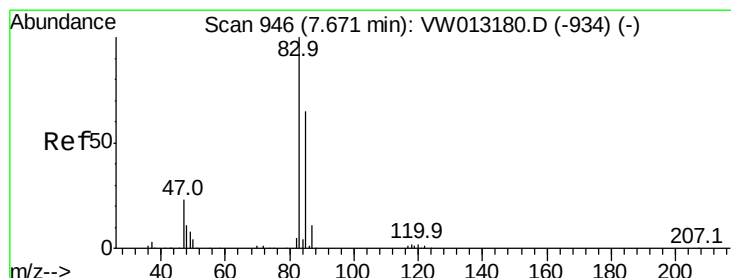
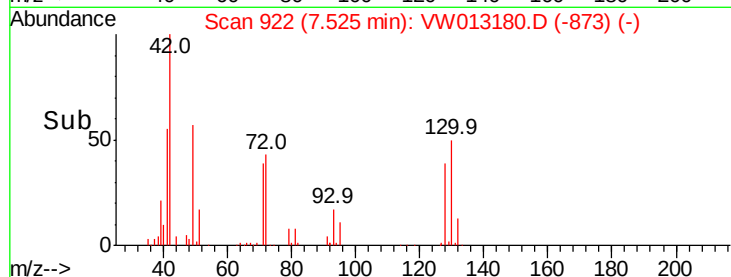
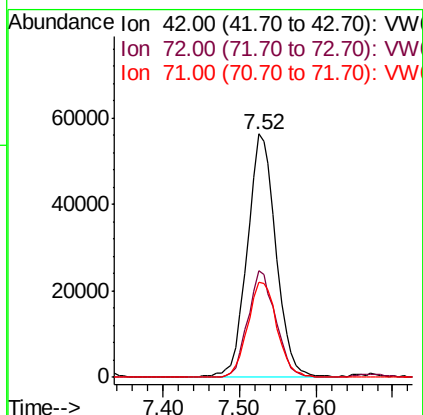
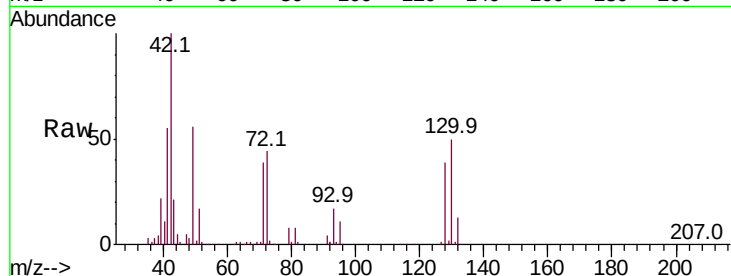




#29
Tetrahydrofuran
Concen: 246.036 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

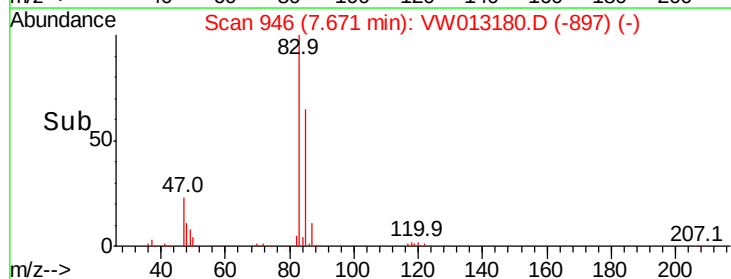
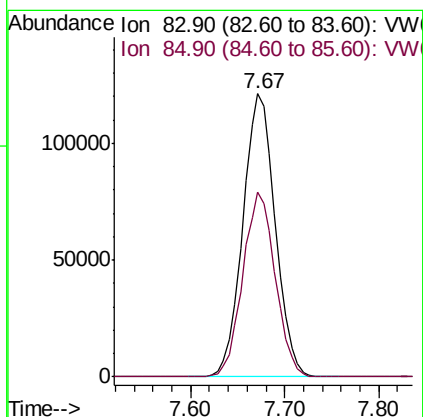
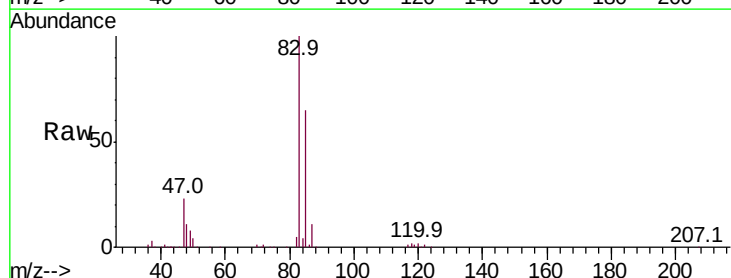
Instrument :
MSVOA_W
ClientSampled :

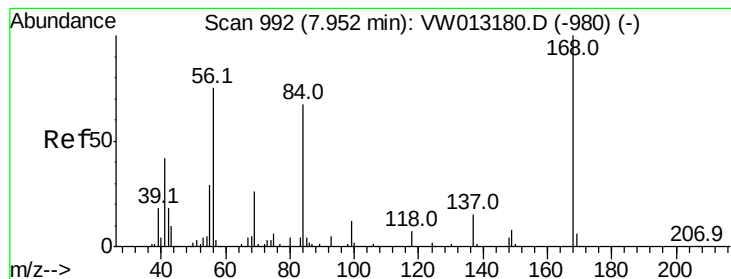
Tot Ion: 42 Resp: 147556
Ion Ratio Lower Upper
42 100
72 42.4 33.9 50.9
71 39.9 31.9 47.9



#30
Chloroform
Concen: 50.484 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 83 Resp: 291463
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5





#31

Cyclohexane

Concen: 59.615 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :

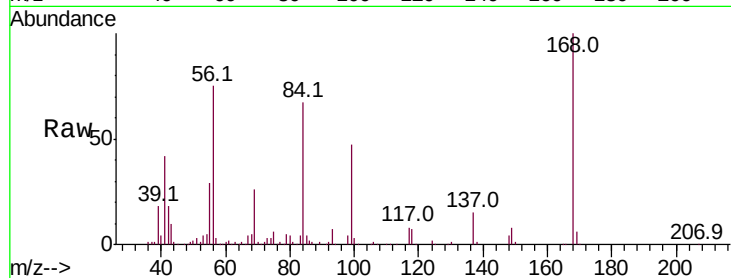
Tot Ion: 56 Resp: 304353

Ion Ratio Lower Upper

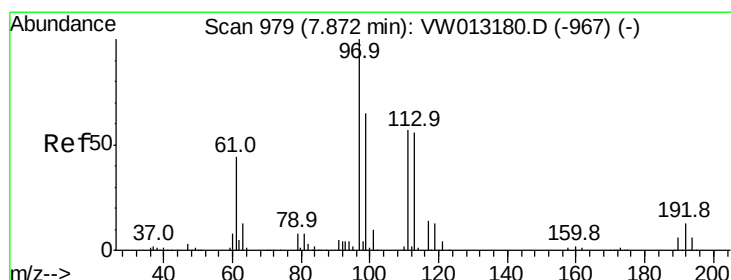
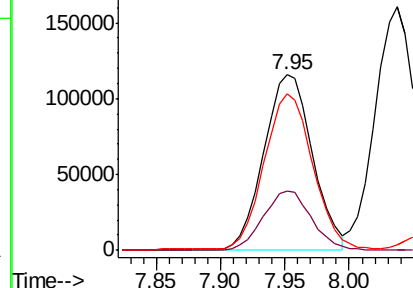
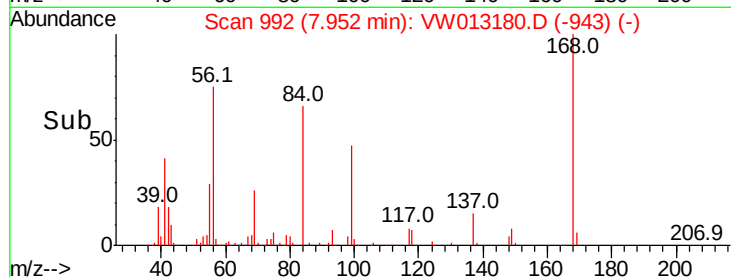
56 100

69 34.0 27.2 40.8

84 88.5 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 50.979 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

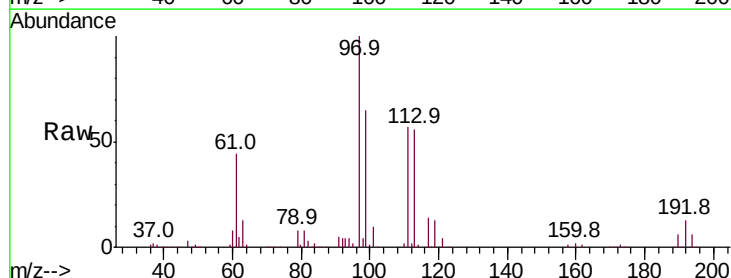
Tgt Ion: 97 Resp: 242775

Ion Ratio Lower Upper

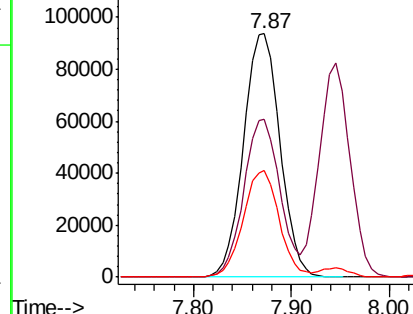
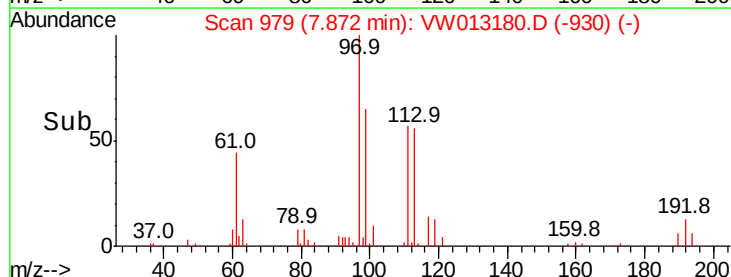
97 100

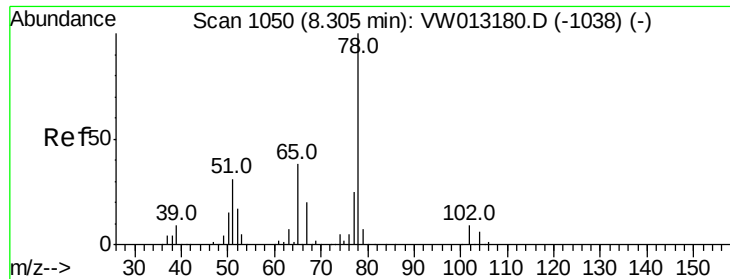
99 64.6 51.7 77.5

61 43.2 34.6 51.8



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

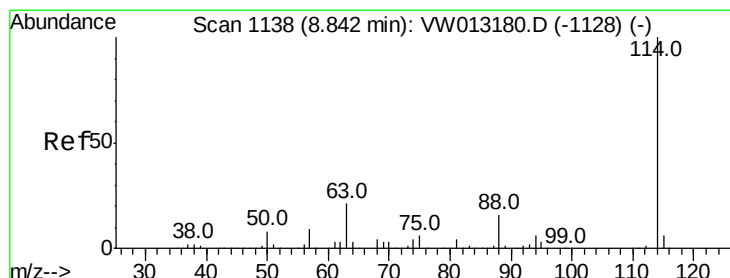
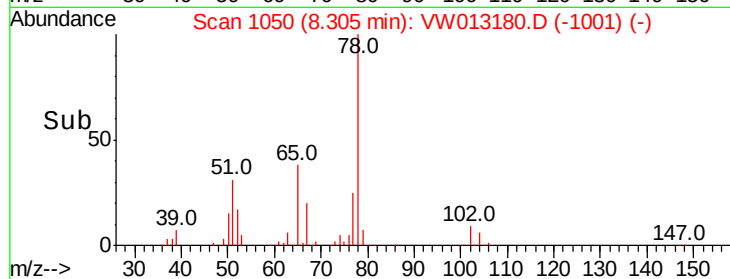
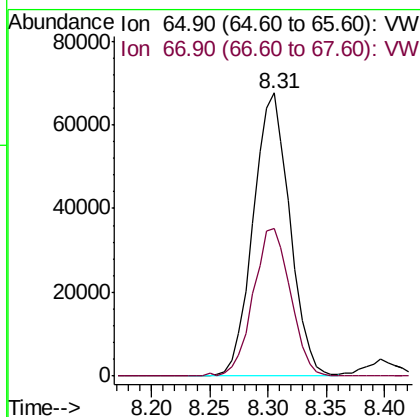
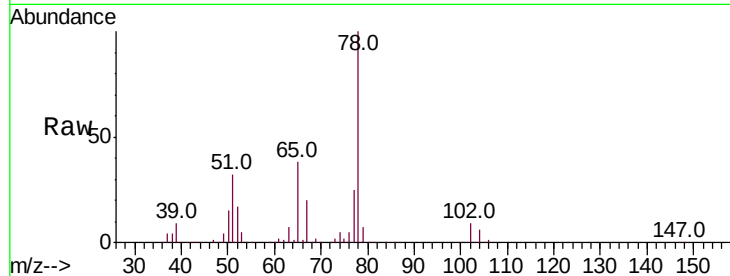




#33
 1,2-Dichloroethane-d4
 Concen: 45.537 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

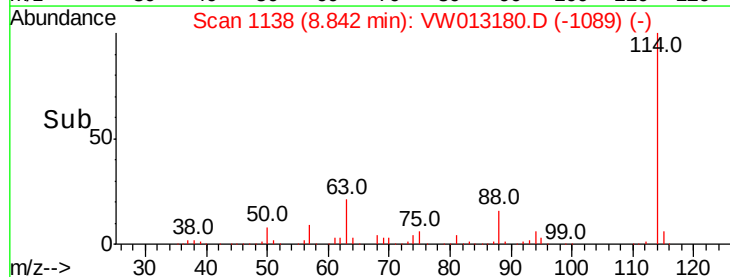
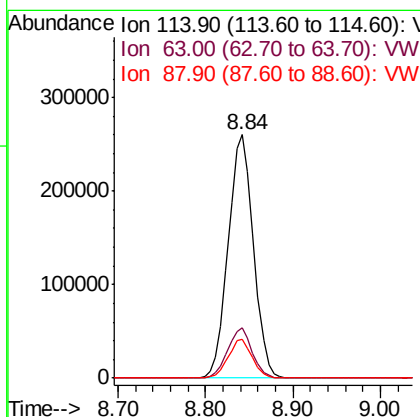
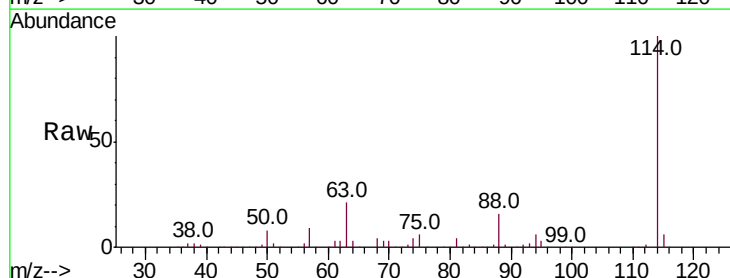
Instrument :
 MSVOA_W
 ClientSampleId :

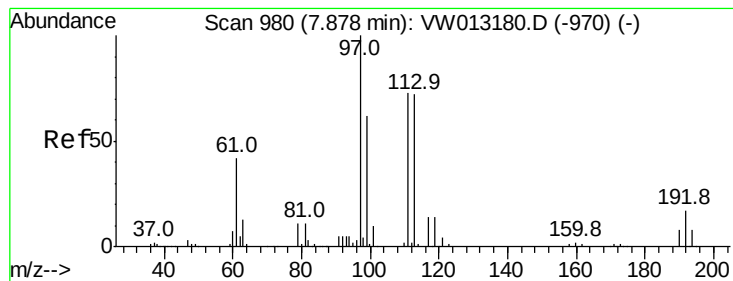
Tot Ion: 65 Resp: 147978
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 114 Resp: 520196
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.251 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

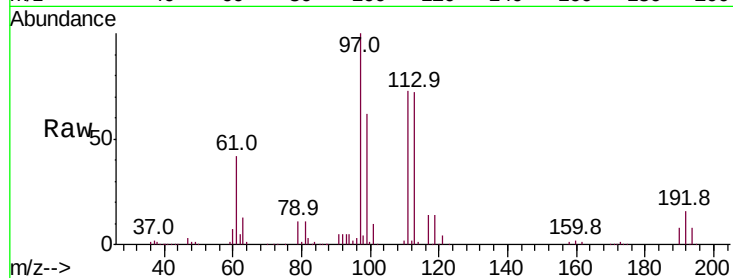
Tot Ion:113 Resp: 144153

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 23.9 19.1 28.7

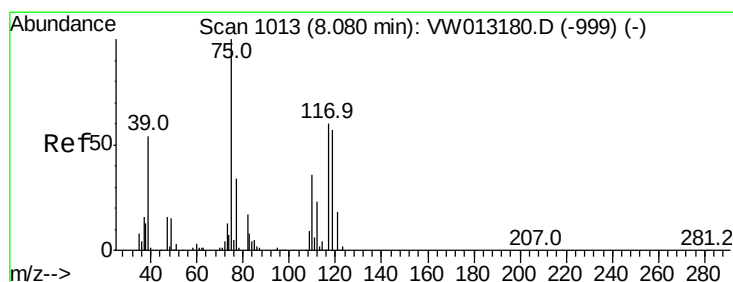
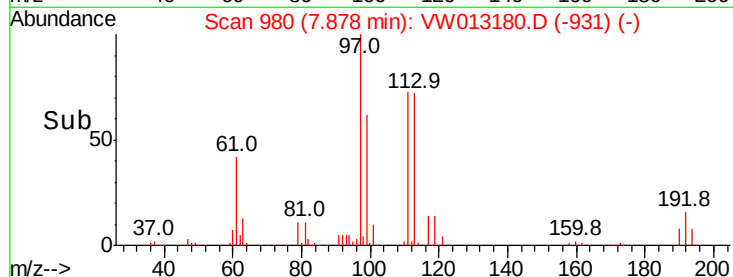
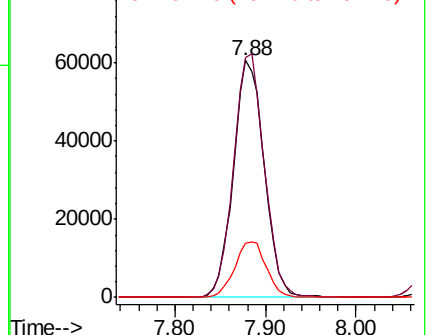


Abundance

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: 57.873 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

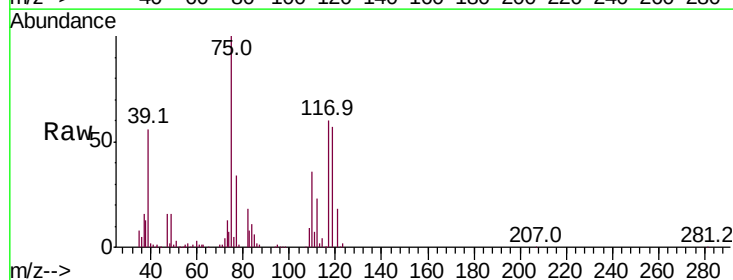
Tgt Ion: 75 Resp: 248226

Ion Ratio Lower Upper

75 100

110 36.2 18.1 54.3

77 32.2 25.8 38.6

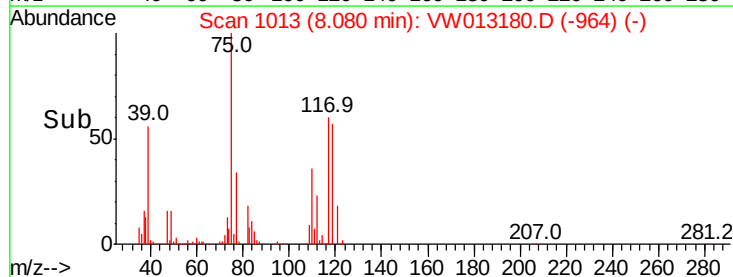
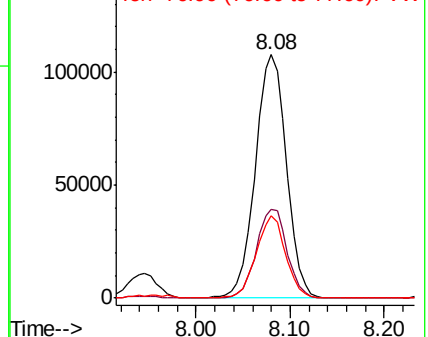


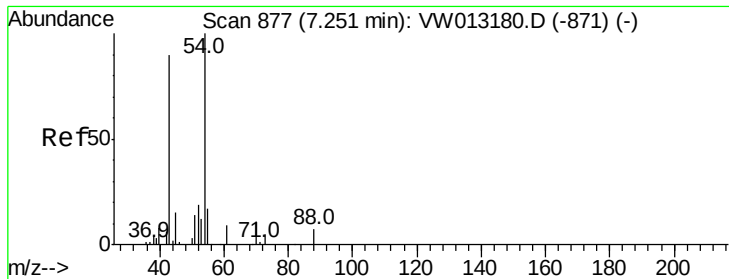
Abundance

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

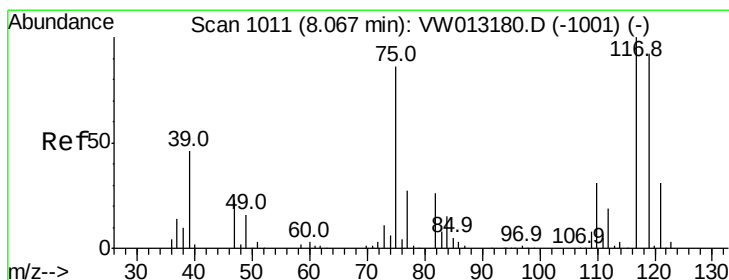
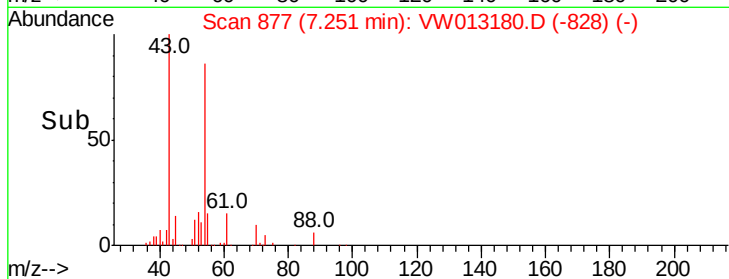
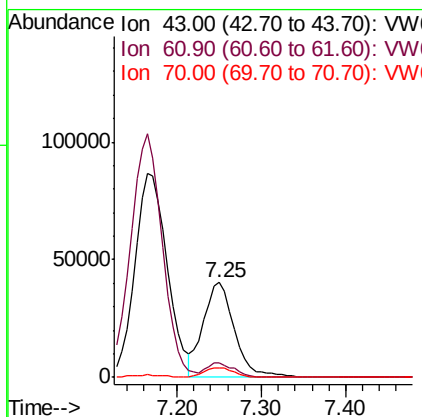
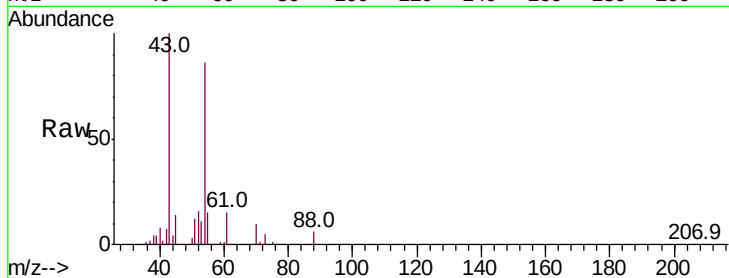




#37
Ethyl Acetate
Concen: 47.224 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

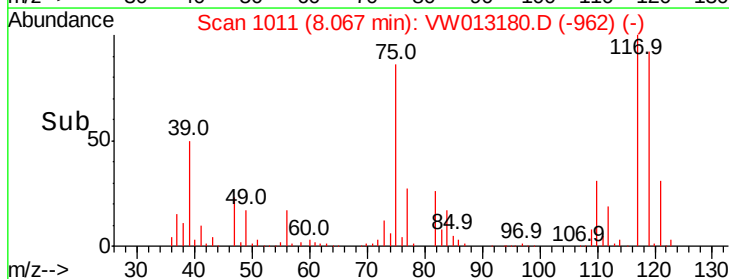
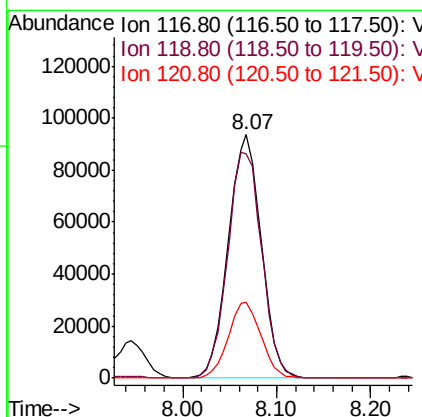
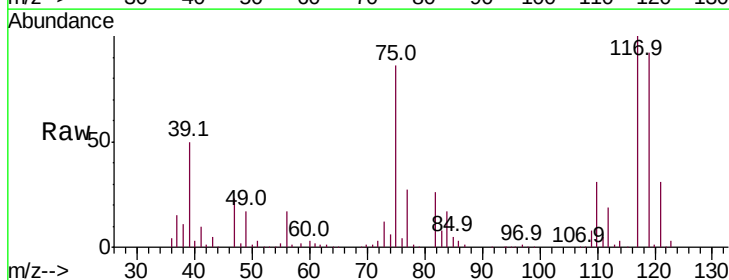
Instrument :
MSVOA_W
ClientSampled :

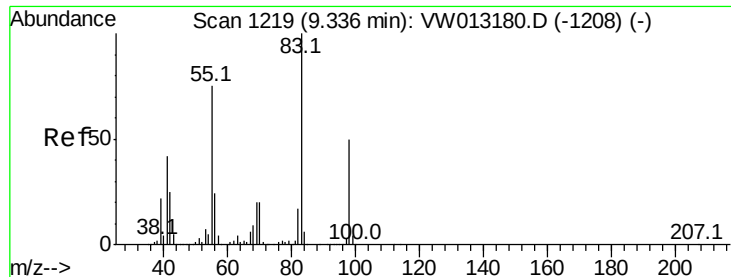
Tot Ion: 43 Resp: 103050
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 53.062 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 117 Resp: 228125
Ion Ratio Lower Upper
117 100
119 91.9 73.5 110.3
121 31.3 25.0 37.6

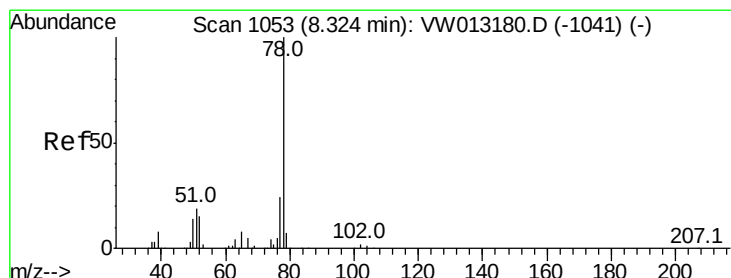
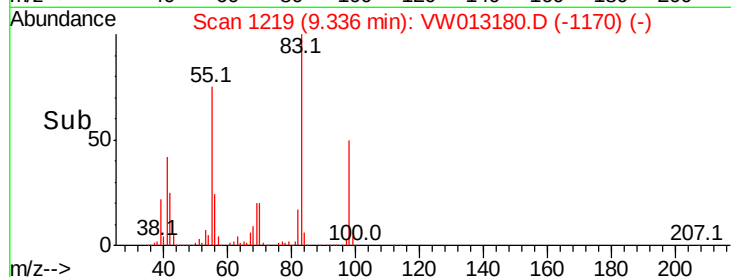
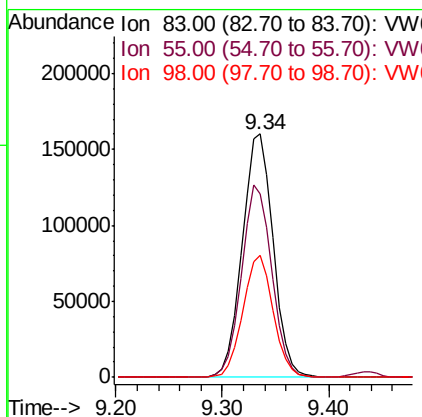
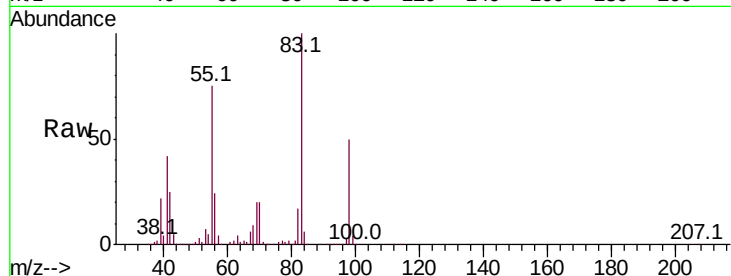




#39
Methylvlcyclohexane
Concen: 67.008 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

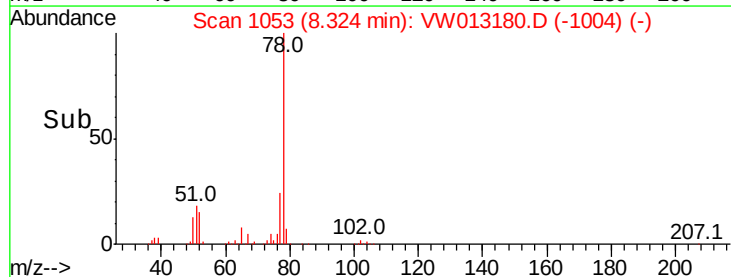
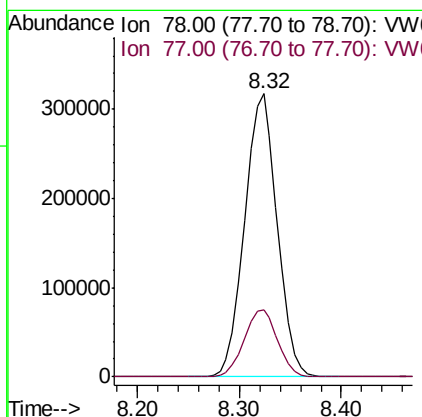
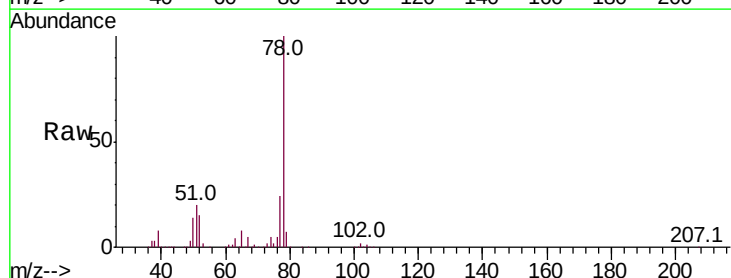
Instrument :
MSVOA_W
ClientSampleId :

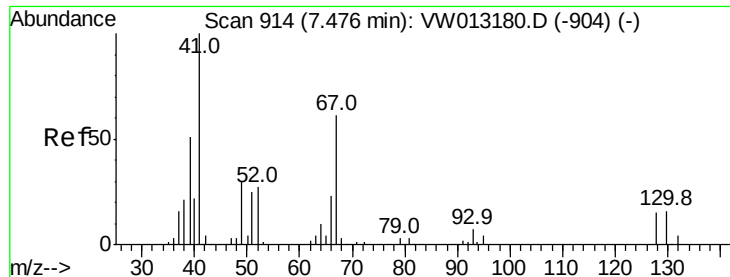
Tot Ion	83	Resp	327630
Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.4	90.6
98	50.0	40.0	60.0



#40
Benzene
Concen: 58.572 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	78	Resp	701356
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

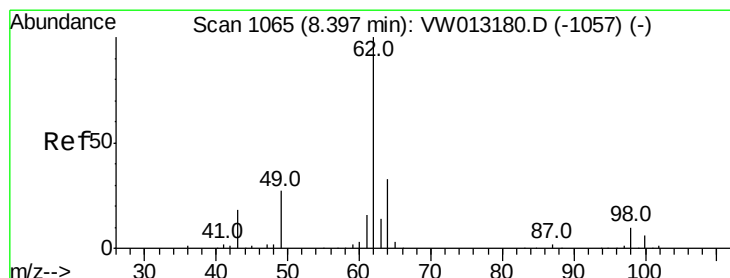
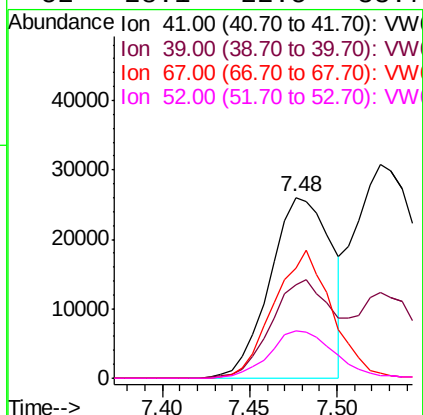
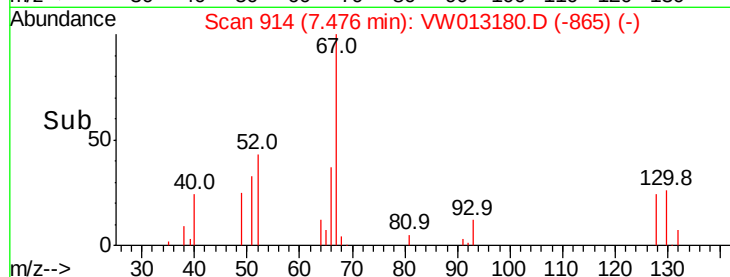
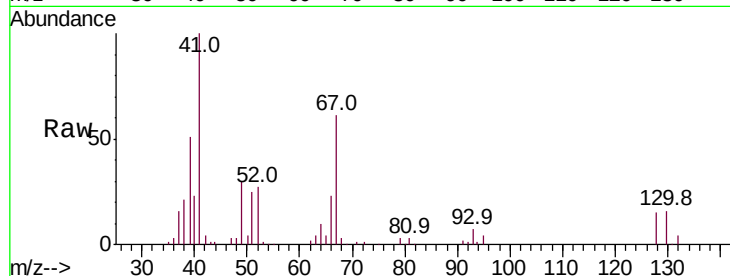




#41
Methacrylonitrile
Concen: 44.896 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

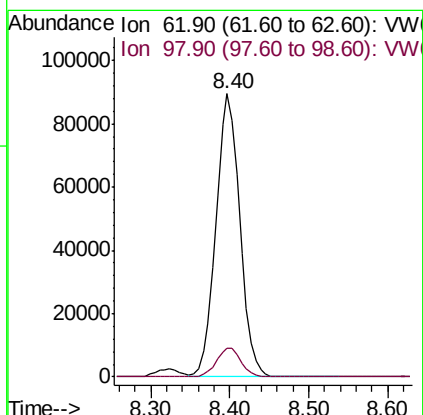
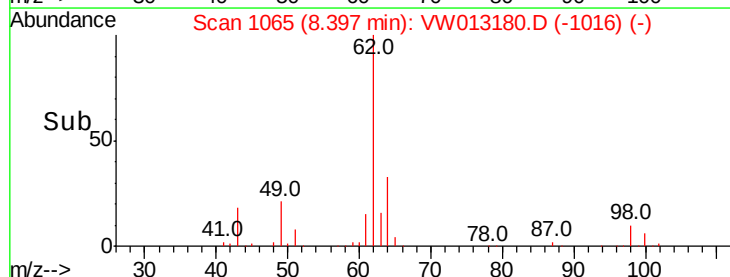
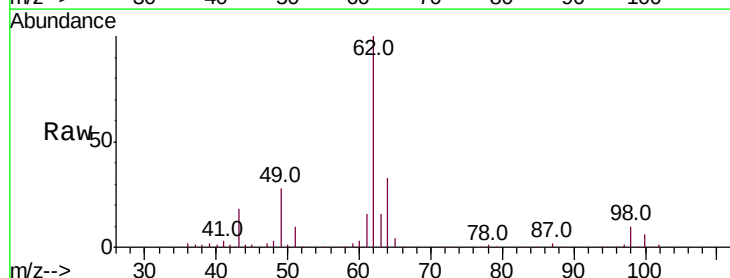
Instrument :
MSVOA_W
ClientSampled :

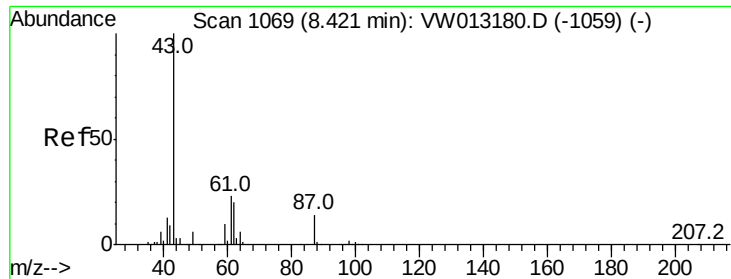
Tot Ion:	41	Resp:	63836
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.9	68.9
67	68.1	54.5	81.7
52	28.1	22.5	33.7



#42
1,2-Dichloroethane
Concen: 48.859 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion:	62	Resp:	188597
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.007 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

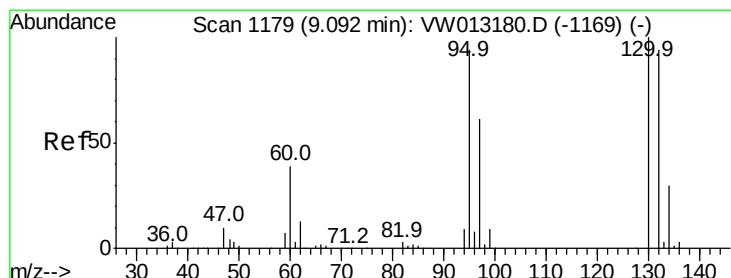
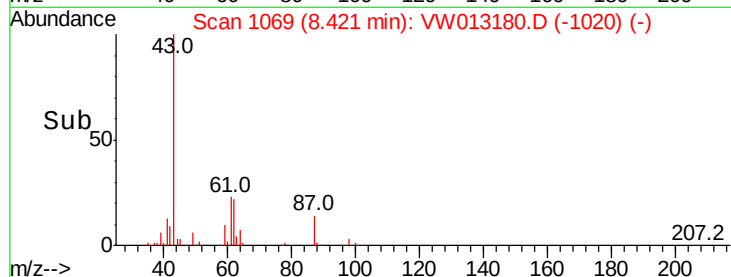
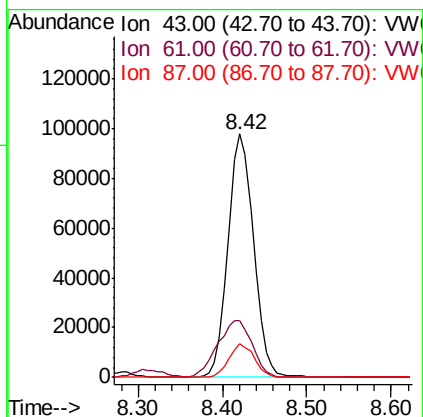
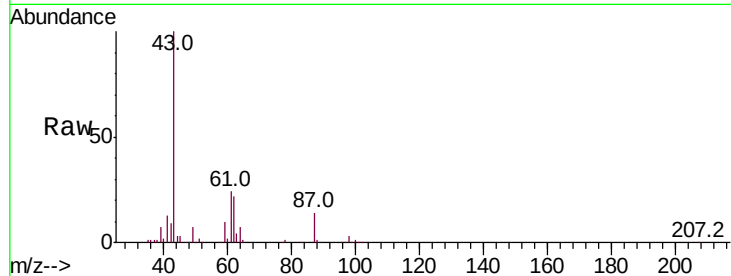
Tot Ion: 43 Resp: 200504

Ion Ratio Lower Upper

43 100

61 31.9 25.5 38.3

87 13.7 11.0 16.4



#44

Trichloroethene

Concen: 59.294 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013180.D

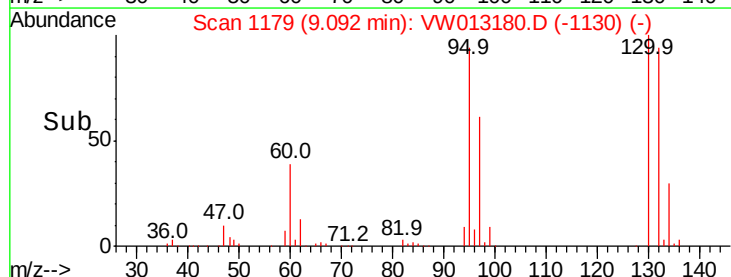
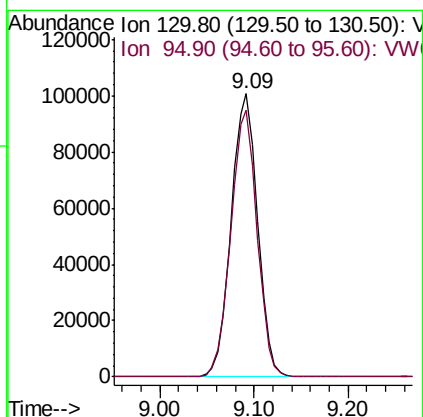
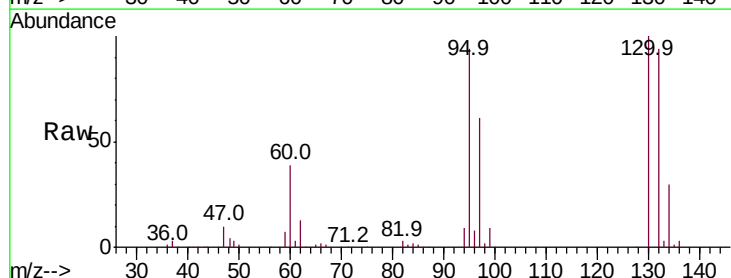
Acq: 20 Sep 2019 14:01

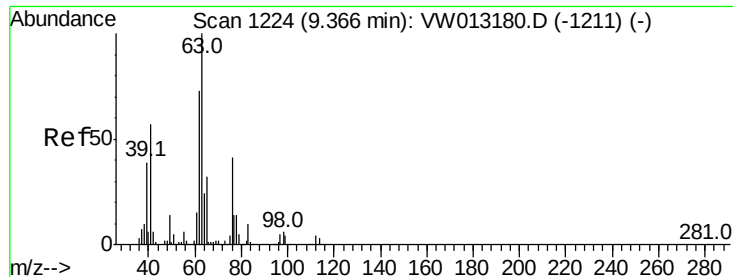
Tgt Ion: 130 Resp: 195795

Ion Ratio Lower Upper

130 100

95 94.0 0.0 188.0





#45

1,2-Dichloropropane

Concen: 54.748 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

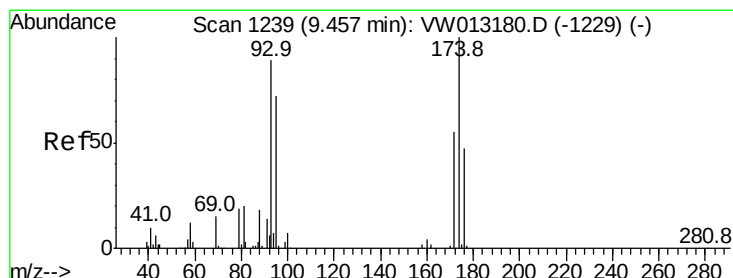
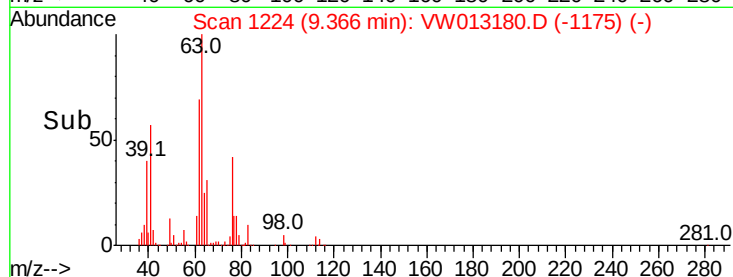
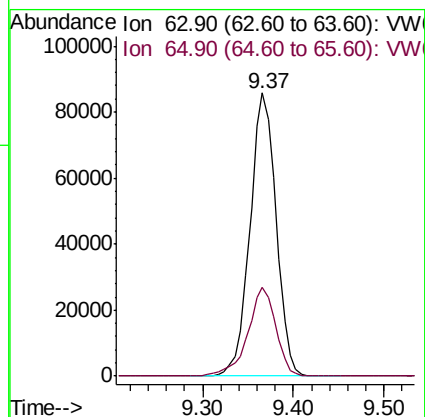
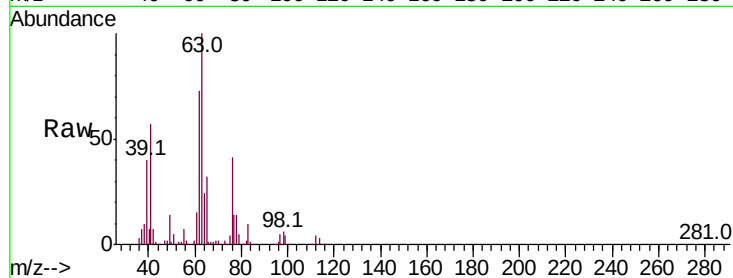
ClientSampleId :

Tot Ion: 63 Resp: 171000

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 55.150 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

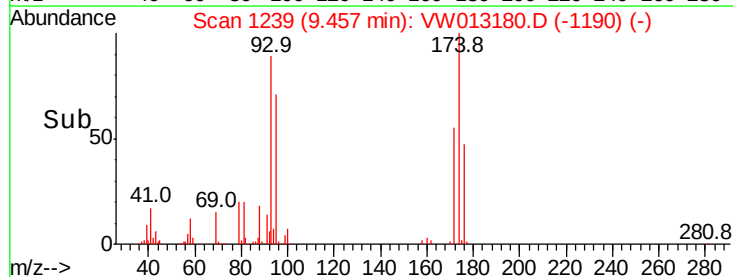
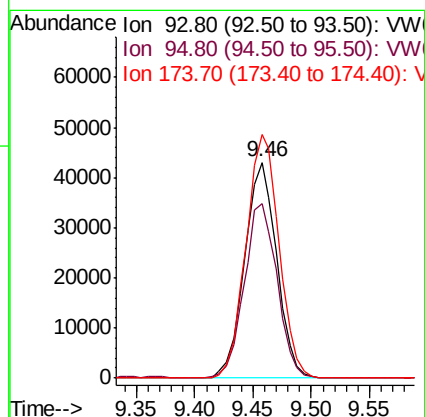
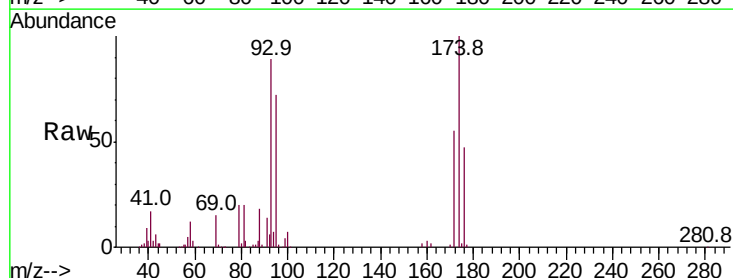
Tgt Ion: 93 Resp: 82726

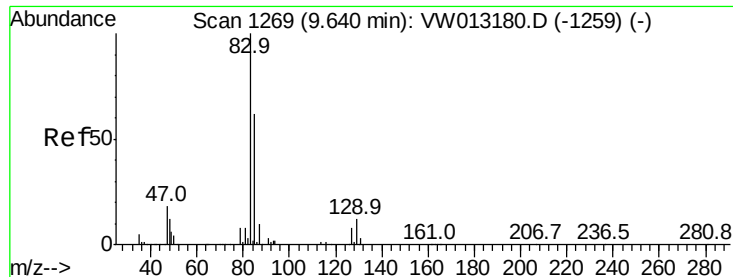
Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

174 116.3 93.0 139.6





#47

Bromodichloromethane

Concen: 51.860 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

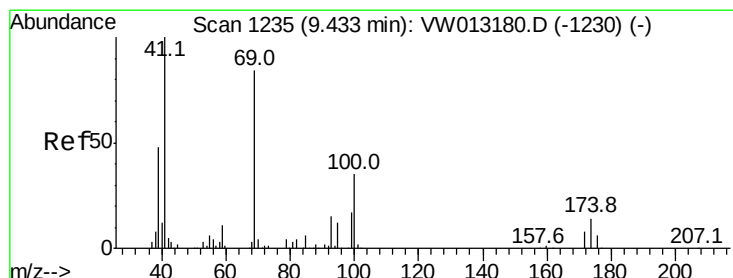
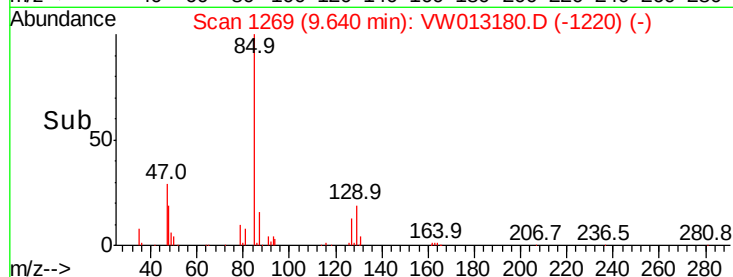
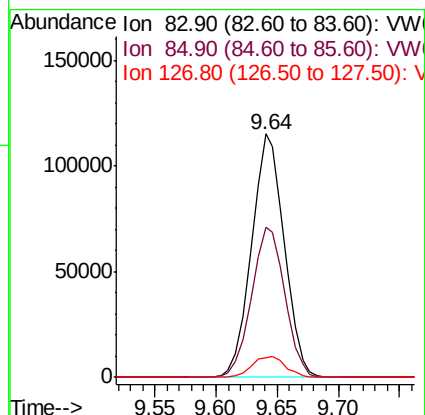
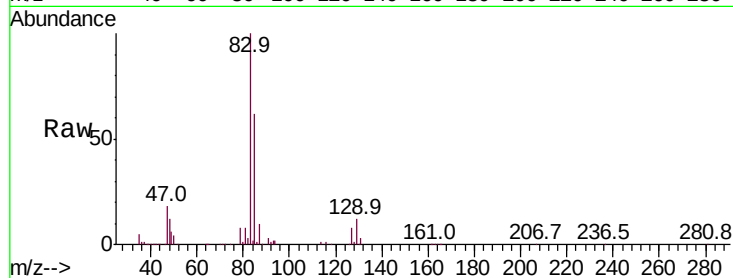
Tot Ion: 83 Resp: 214485

Ion Ratio Lower Upper

83 100

85 61.8 49.4 74.2

127 8.1 6.5 9.7



#48

Methyl methacrylate

Concen: 48.218 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

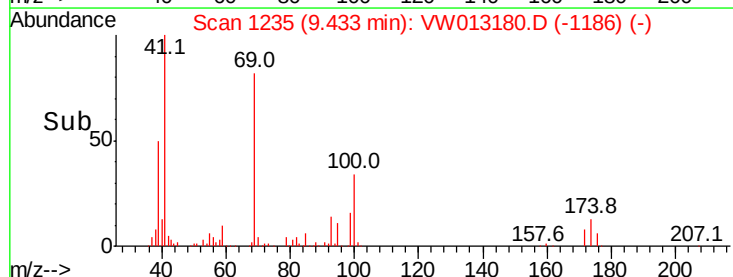
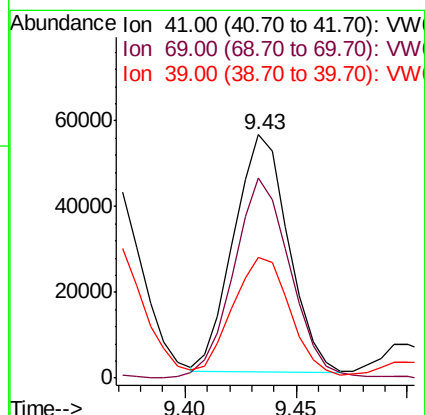
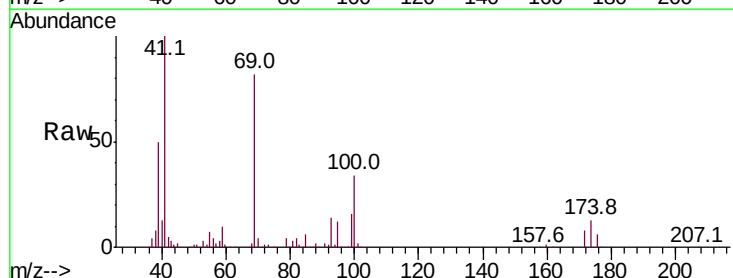
Tgt Ion: 41 Resp: 94725

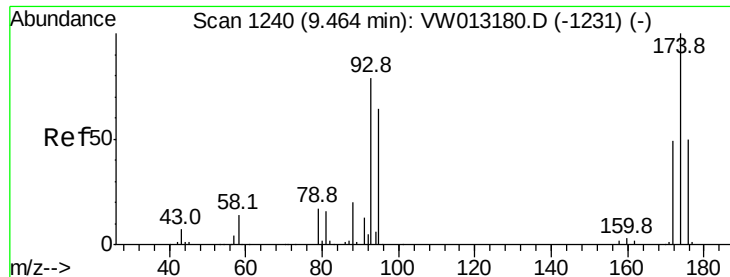
Ion Ratio Lower Upper

41 100

69 87.1 69.7 104.5

39 51.4 41.1 61.7

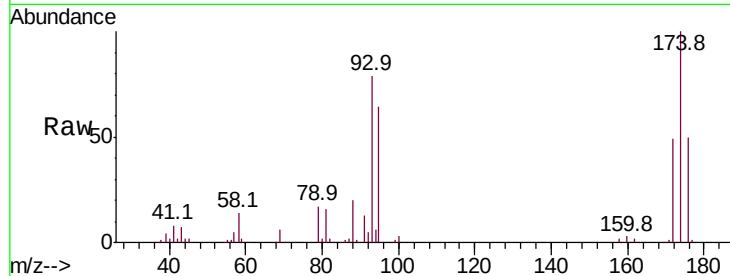




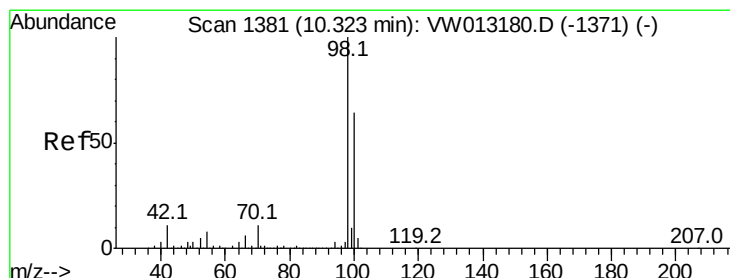
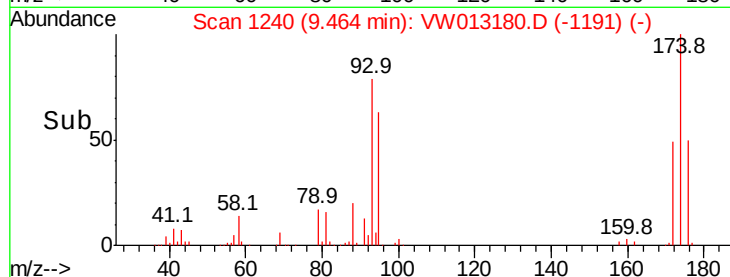
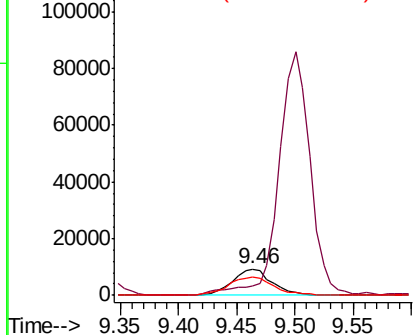
#49
1,4-Dioxane
Concen: 900.571 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 21640
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 81.7 65.4 98.0

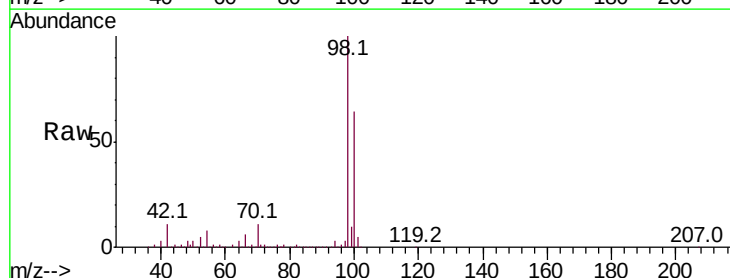


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

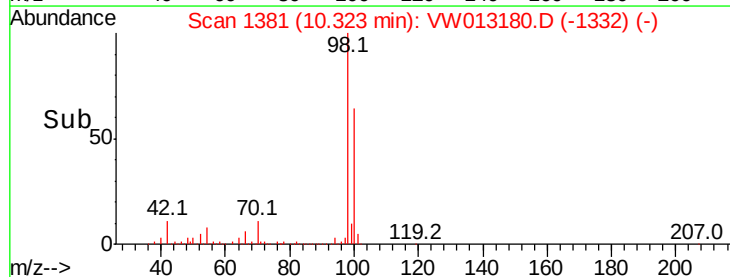
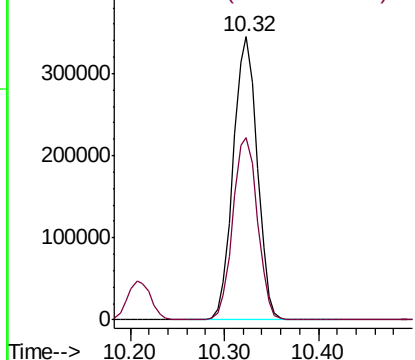


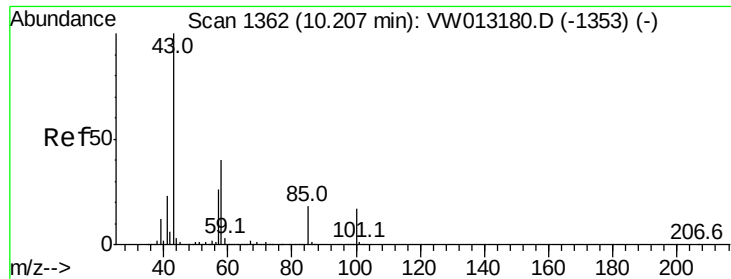
#50
Toluene-d8
Concen: 55.094 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 98 Resp: 611038
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 234.766 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

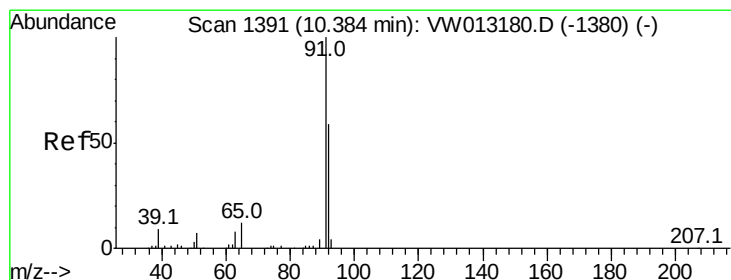
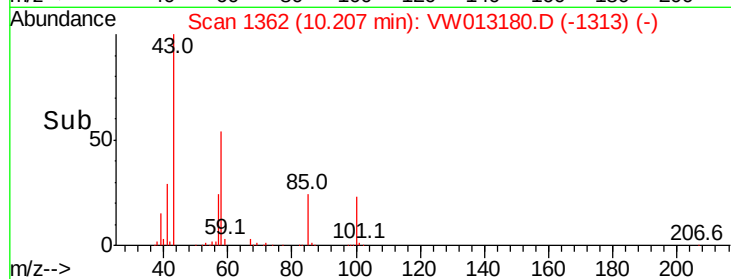
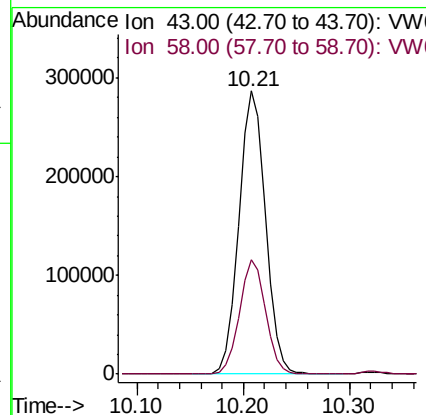
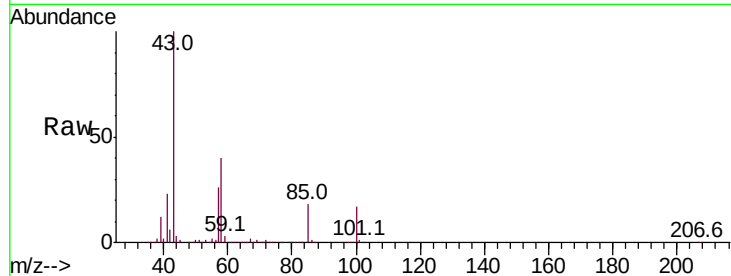
ClientSampled :

Tot Ion: 43 Resp: 504105

Ion Ratio Lower Upper

43 100

58 39.6 31.7 47.5



#52

Toluene

Concen: 59.379 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013180.D

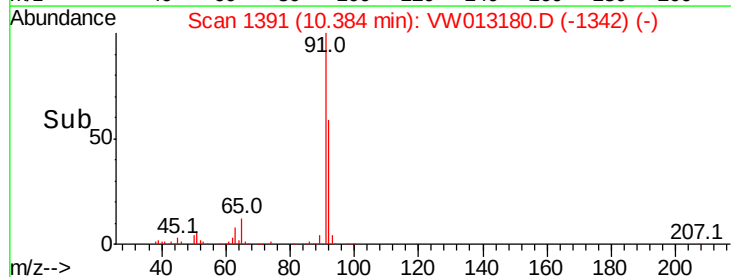
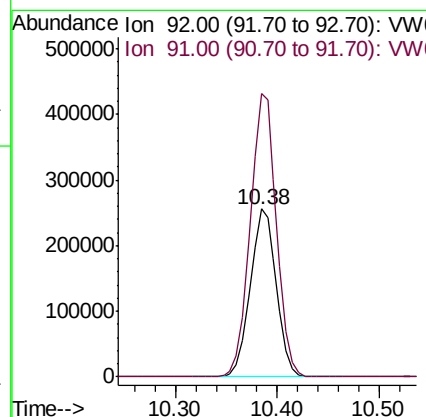
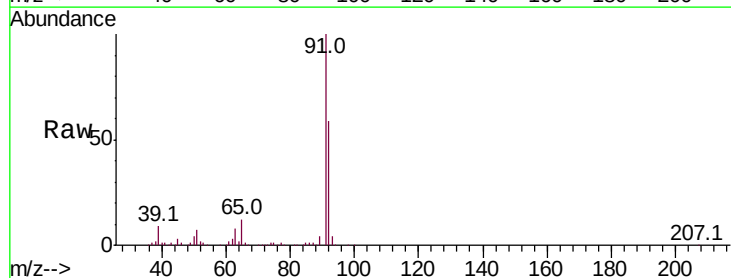
Acq: 20 Sep 2019 14:01

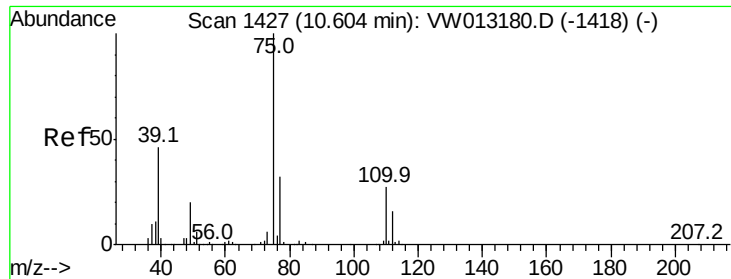
Tgt Ion: 92 Resp: 452247

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.337 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

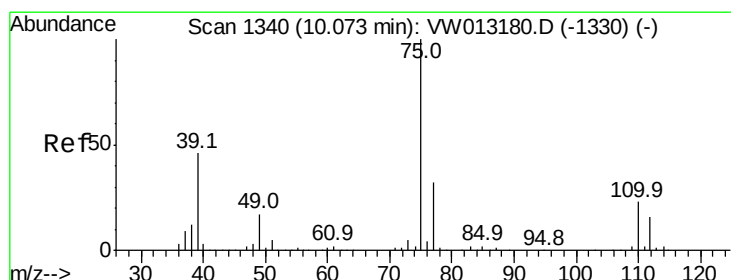
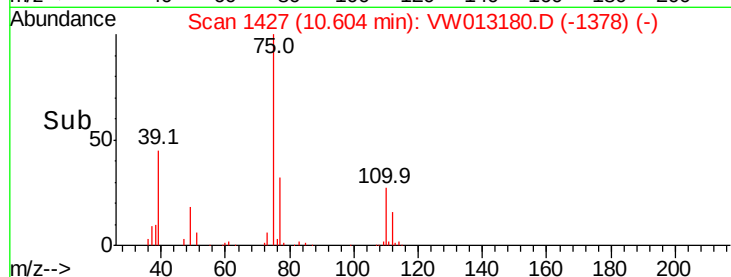
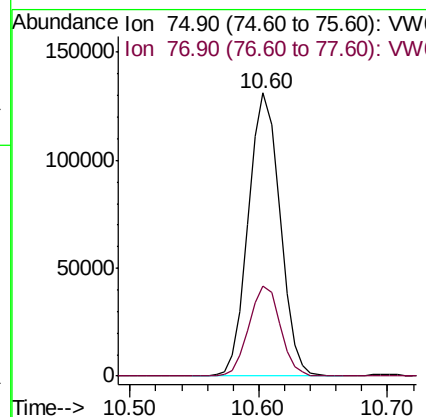
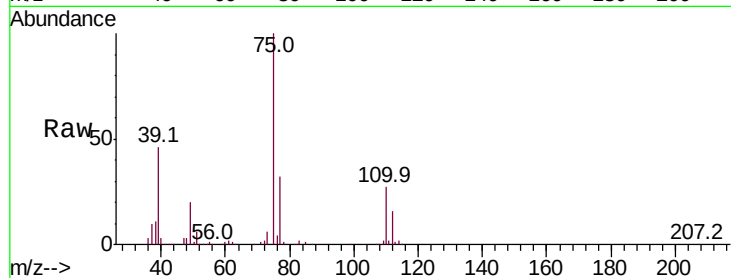
ClientSampled :

Tot Ion: 75 Resp: 223058

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 55.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

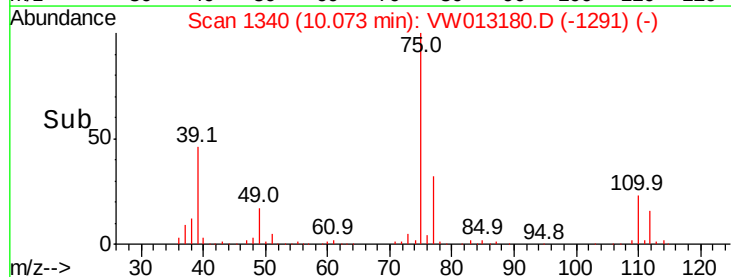
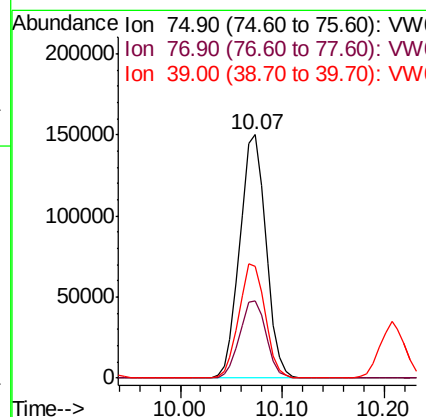
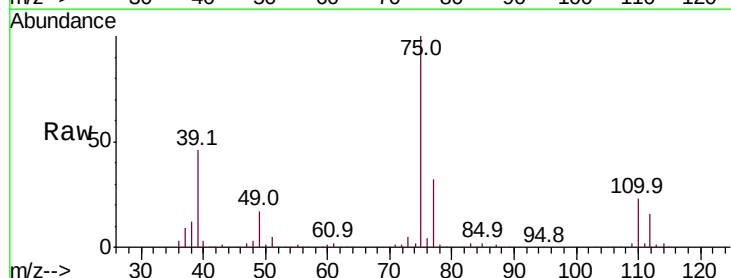
Tgt Ion: 75 Resp: 266998

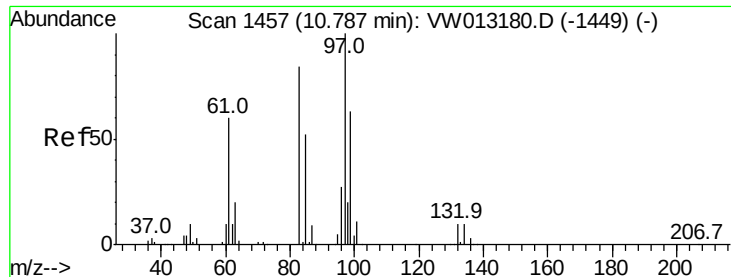
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 45.8 36.6 55.0

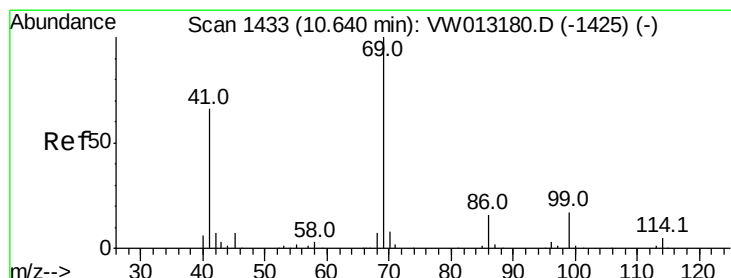
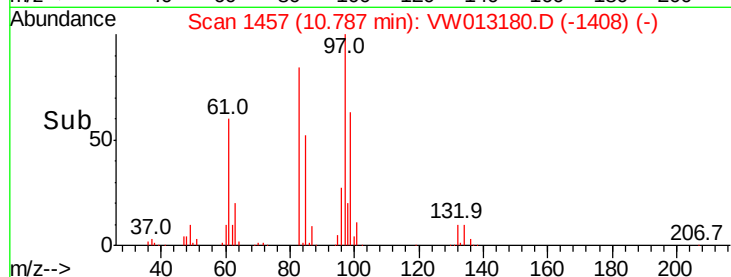
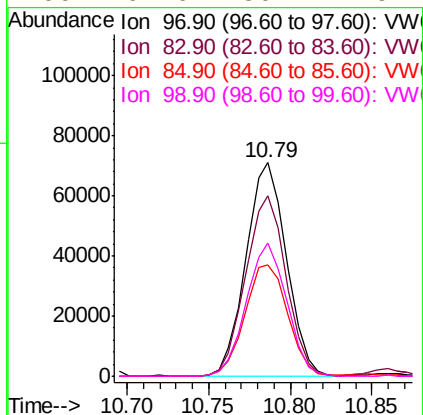
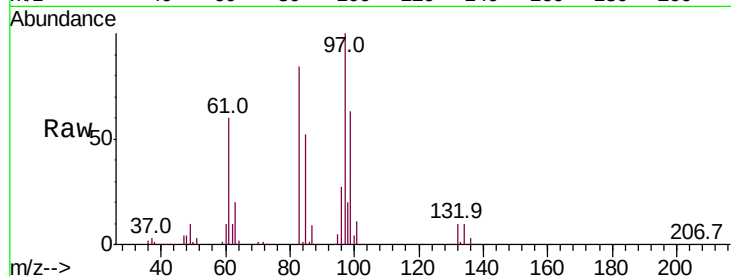




#55
 1,1,2-Trichloroethane
 Concen: 53.817 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

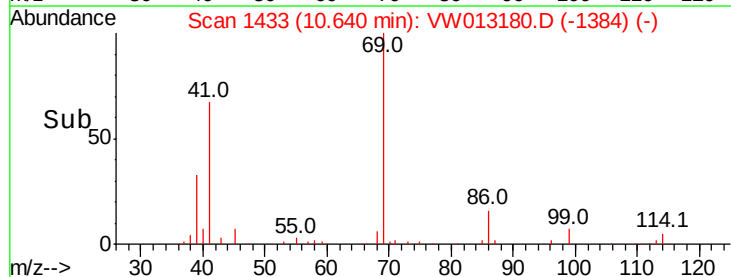
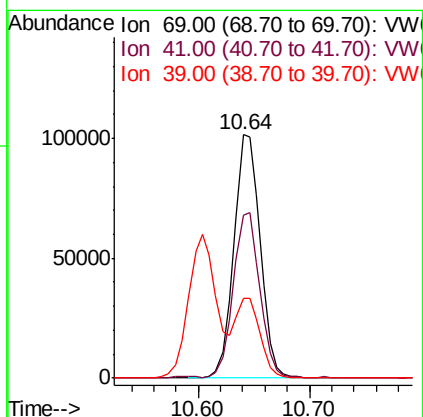
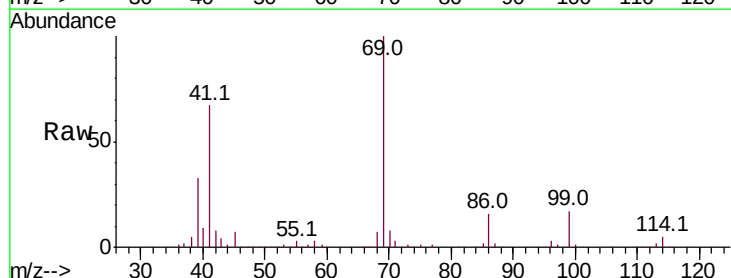
Instrument :
 MSVOA_W
 ClientSampleId :

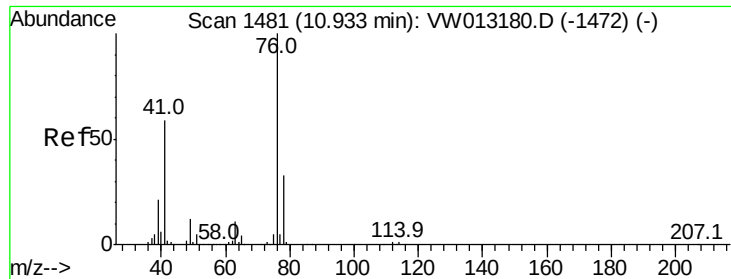
Tot Ion:	97	Resp:	122566
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.6	101.4
85	52.4	41.9	62.9
99	62.6	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 54.572 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion:	69	Resp:	166300
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.9	80.9
39	29.7	23.8	35.6





#57

1,3-Dichloropropane

Concen: 54.058 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

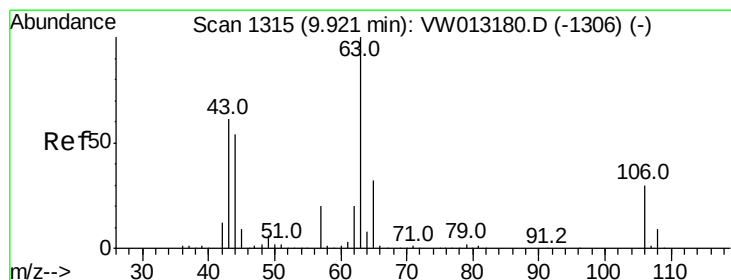
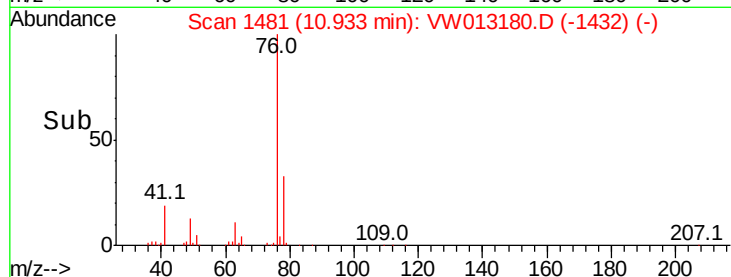
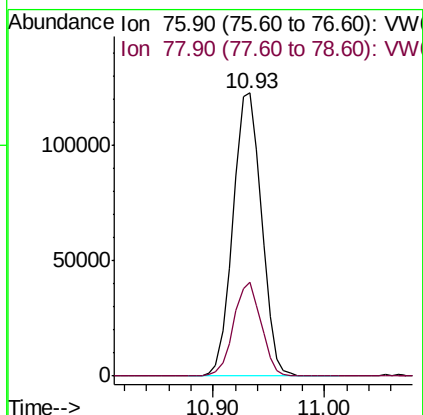
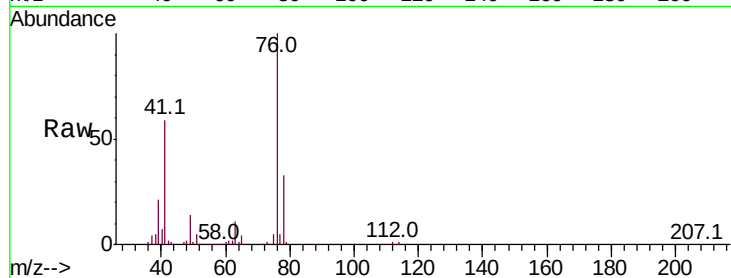
ClientSampled :

Tot Ion: 76 Resp: 217807

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 247.108 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013180.D

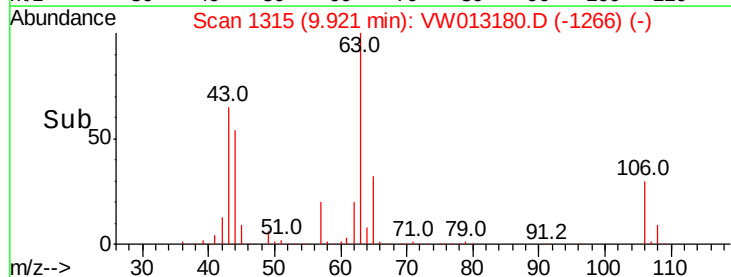
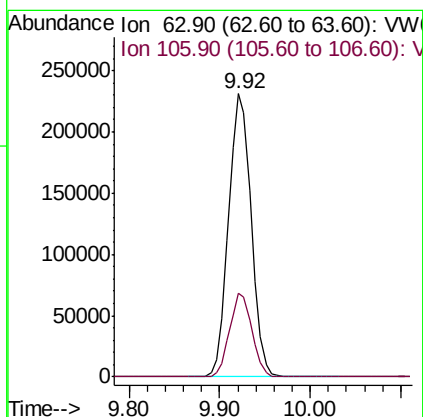
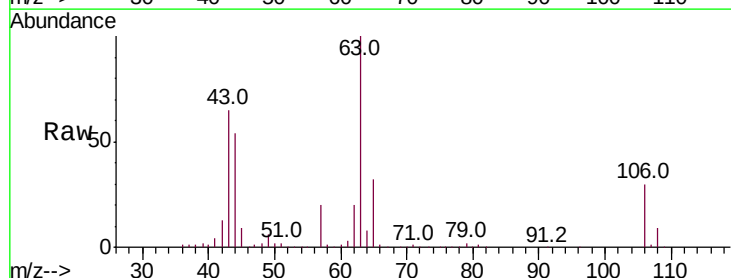
Acq: 20 Sep 2019 14:01

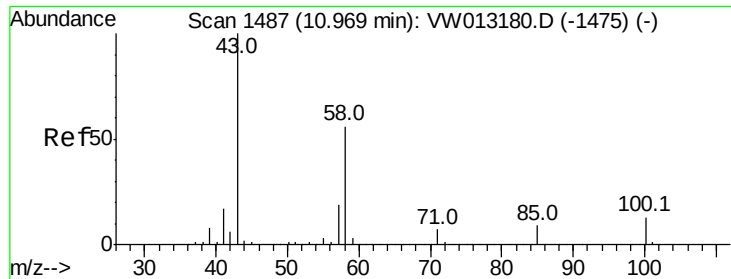
Tgt Ion: 63 Resp: 398369

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.0





#59

2-Hexanone

Concen: 234.044 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

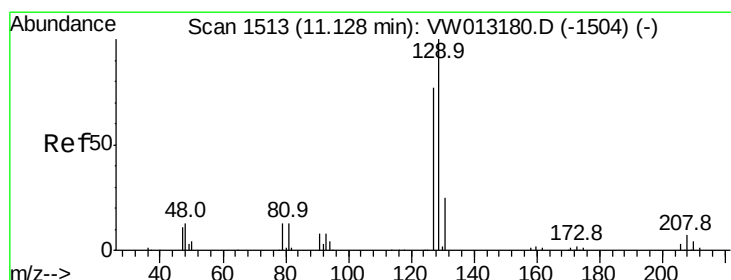
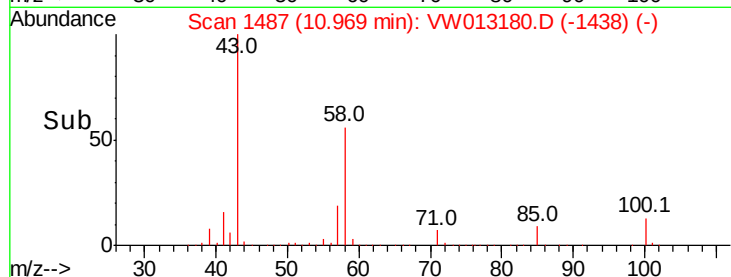
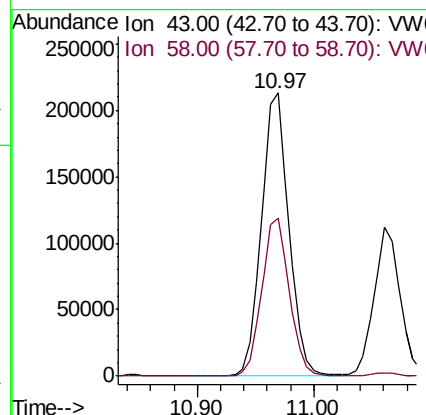
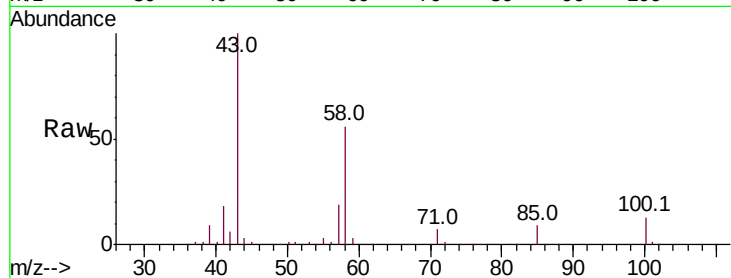
ClientSampleId :

Tot Ion: 43 Resp: 348096

Ion Ratio Lower Upper

43 100

58 56.1 28.1 84.2



#60

Dibromochloromethane

Concen: 52.683 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013180.D

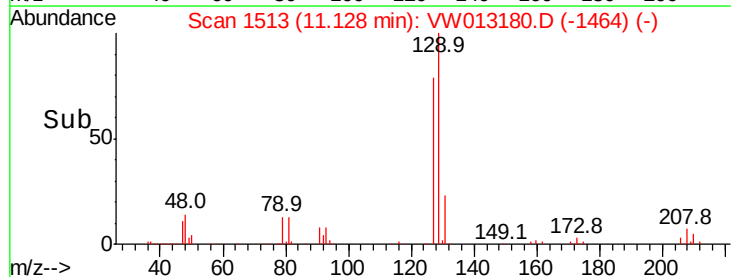
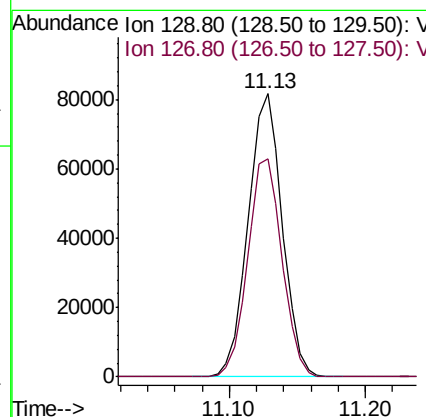
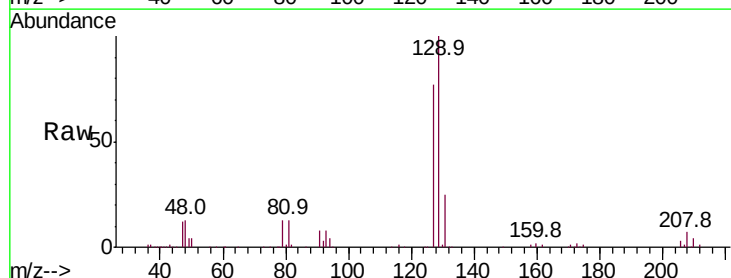
Acq: 20 Sep 2019 14:01

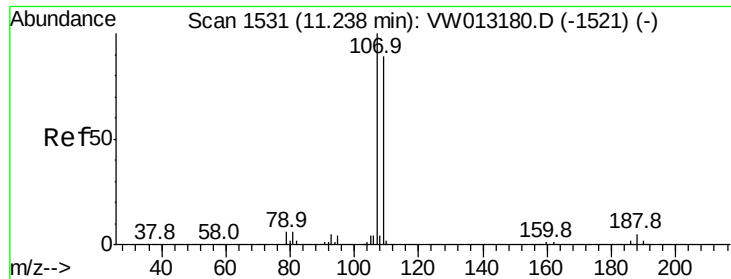
Tgt Ion: 129 Resp: 143304

Ion Ratio Lower Upper

129 100

127 77.6 38.8 116.4

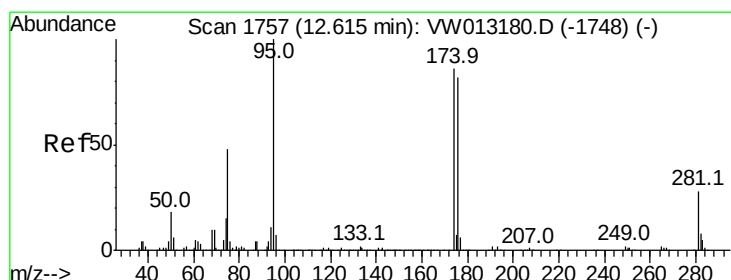
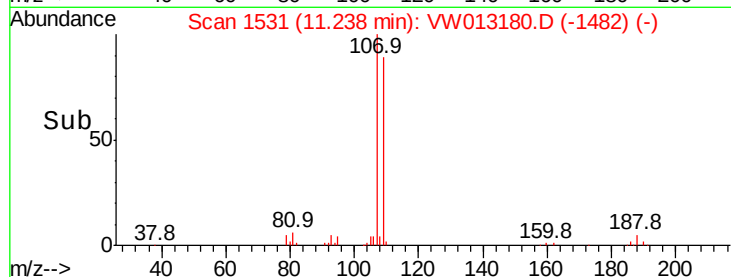
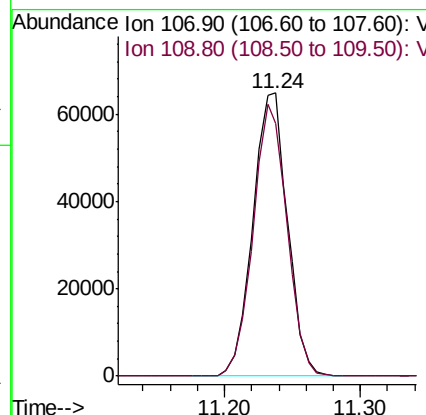
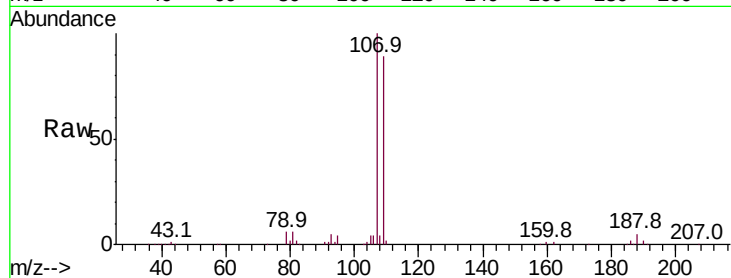




#61
 1,2-Dibromoethane
 Concen: 55.611 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

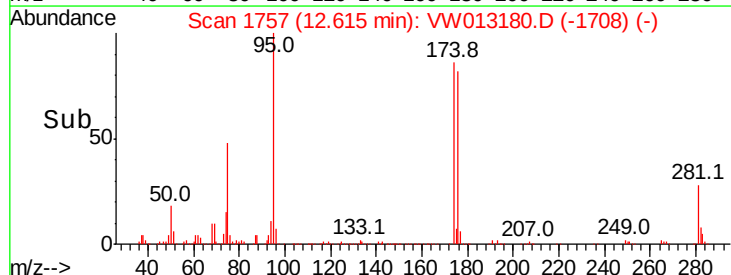
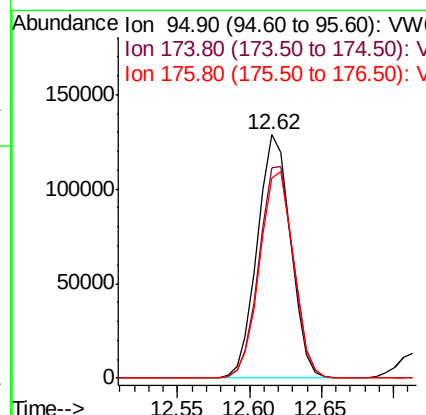
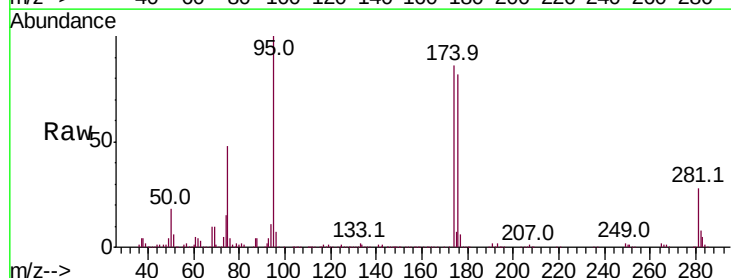
Instrument :
 MSVOA_W
 ClientSampleId :

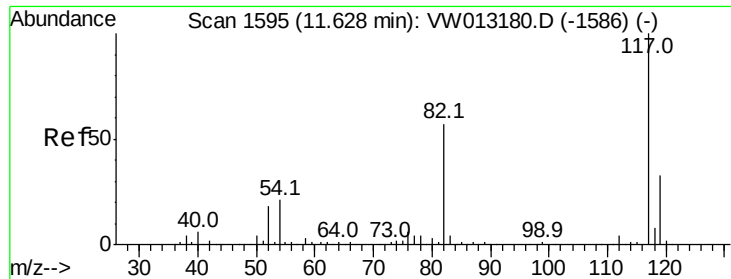
Tot Ion:107 Resp: 115901
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.941 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 95 Resp: 206285
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.4
 176 86.1 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

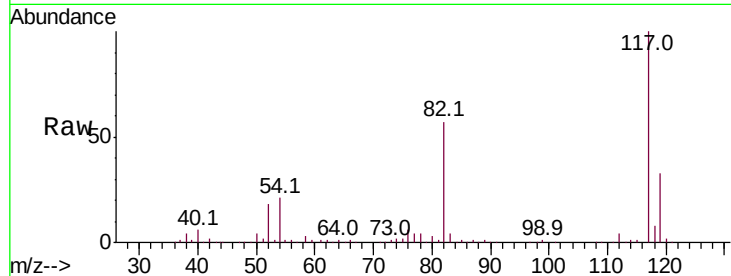
Tot Ion:117 Resp: 449633

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

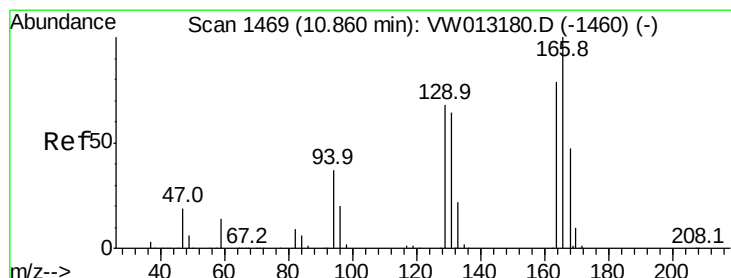
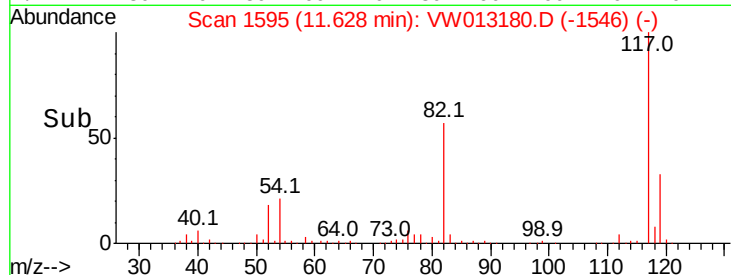
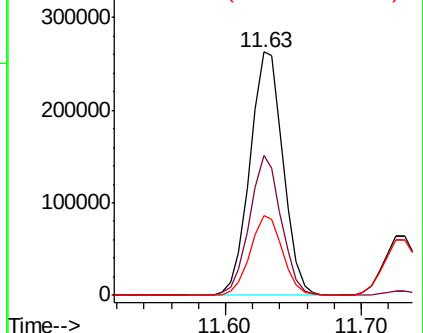
119 32.7 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 60.631 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:164 Resp: 169418

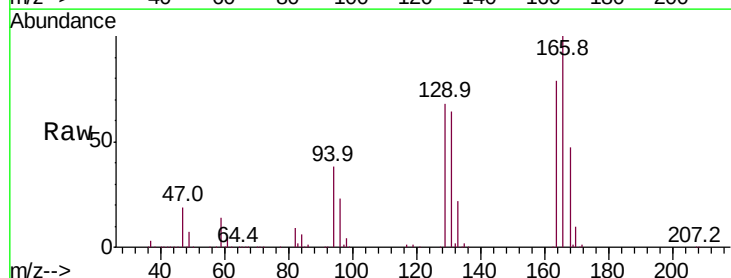
Ion Ratio Lower Upper

164 100

166 126.5 101.2 151.8

129 86.0 68.8 103.2

131 81.5 65.2 97.8

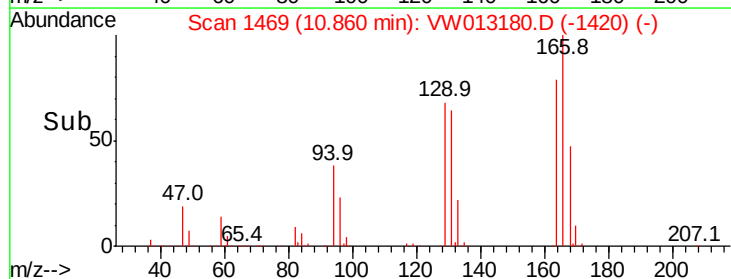
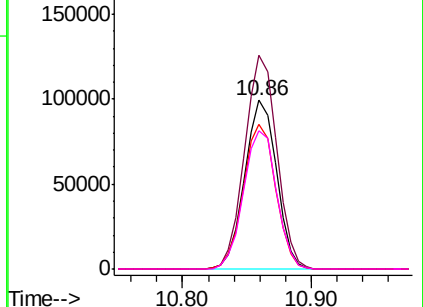


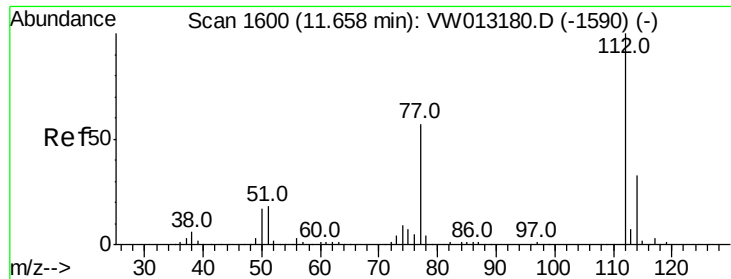
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

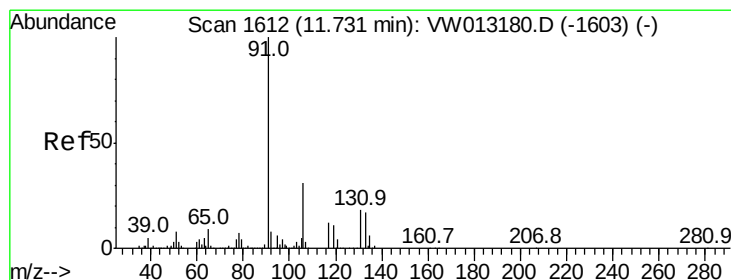
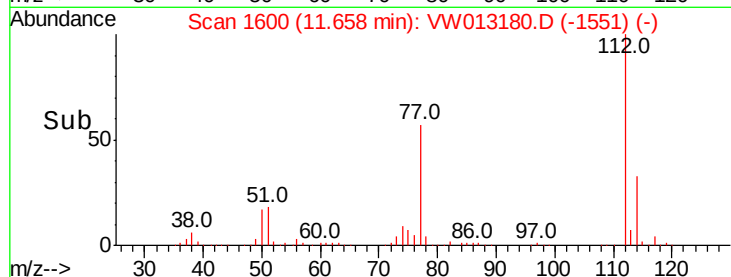
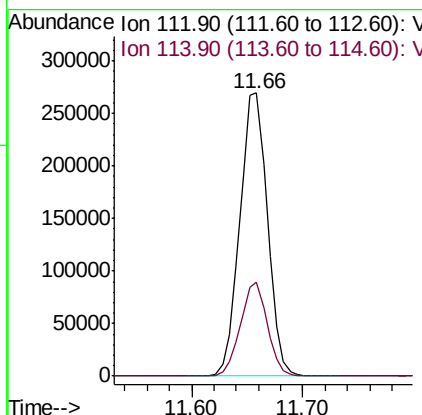
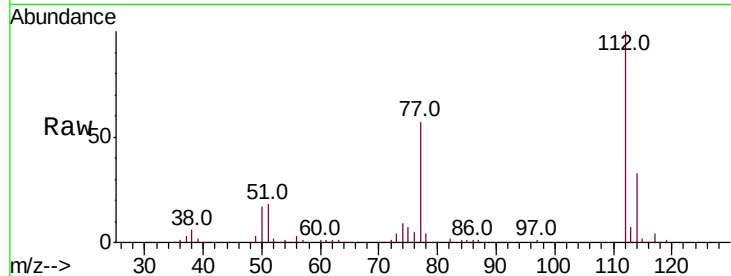




#65
Chlorobenzene
Concen: 56.335 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

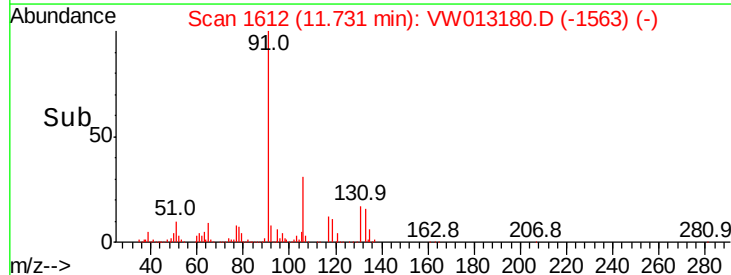
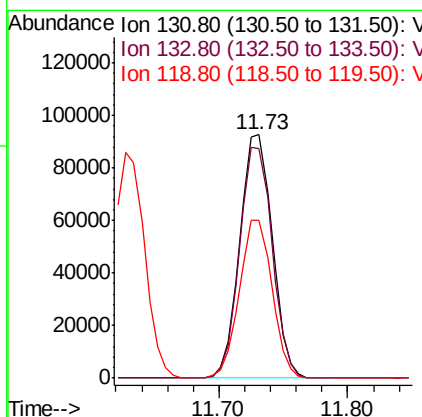
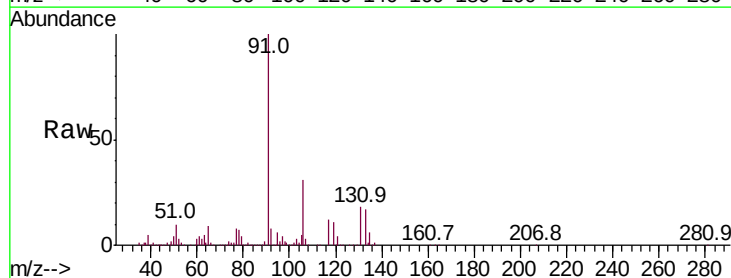
Instrument :
MSVOA_W
ClientSampleId :

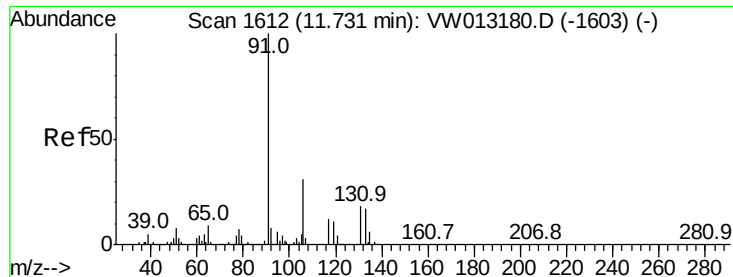
Tot Ion:112 Resp: 462770
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.650 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion:131 Resp: 162397
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 65.0 32.5 97.5





#67

Ethyl Benzene

Concen: 57.157 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

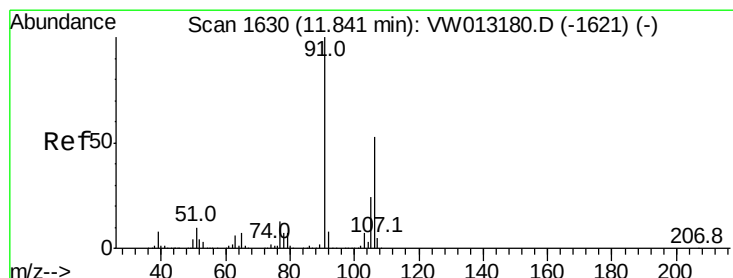
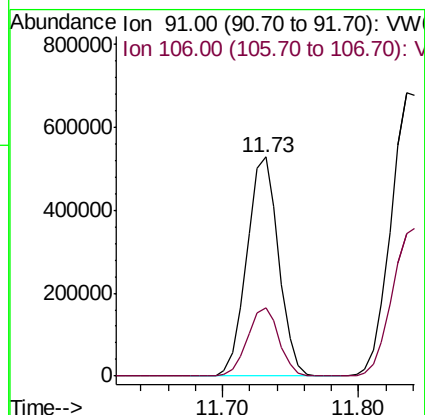
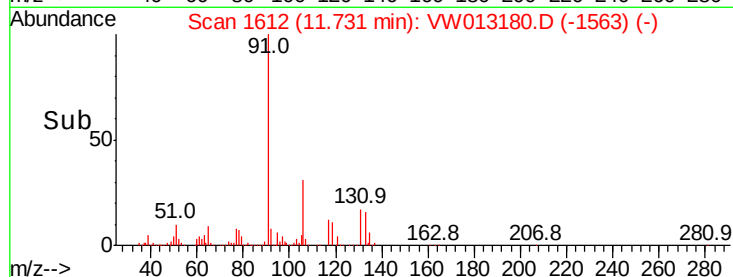
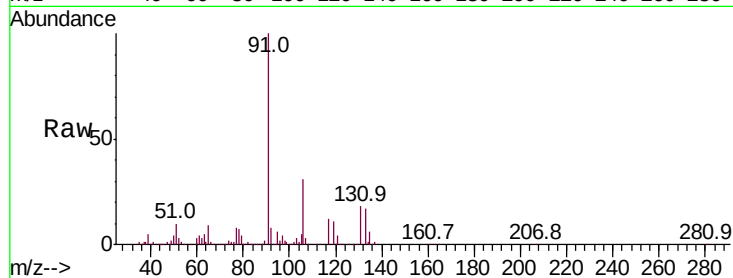
ClientSampleId :

Tot Ion: 91 Resp: 863830

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 118.835 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013180.D

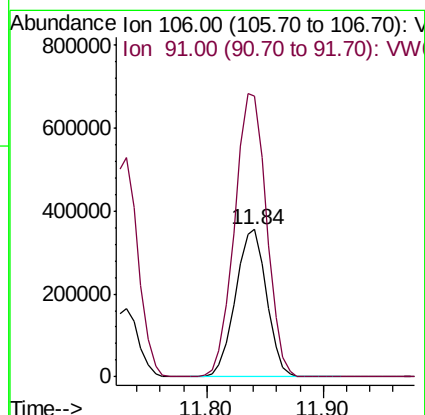
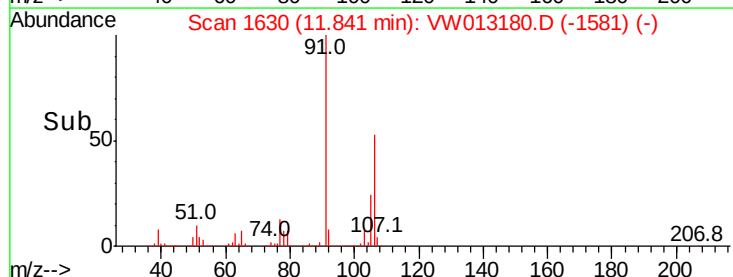
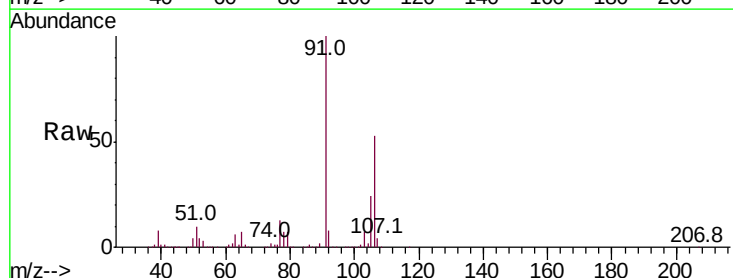
Acq: 20 Sep 2019 14:01

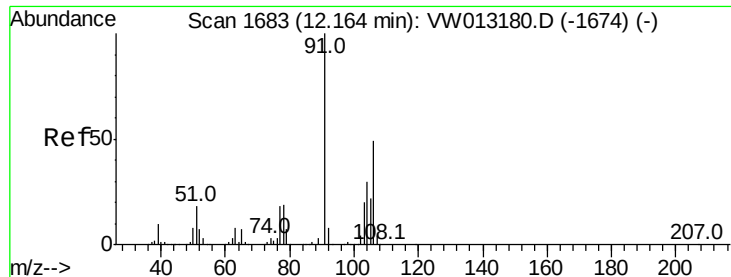
Tgt Ion:106 Resp: 661836

Ion Ratio Lower Upper

106 100

91 197.4 157.9 236.9

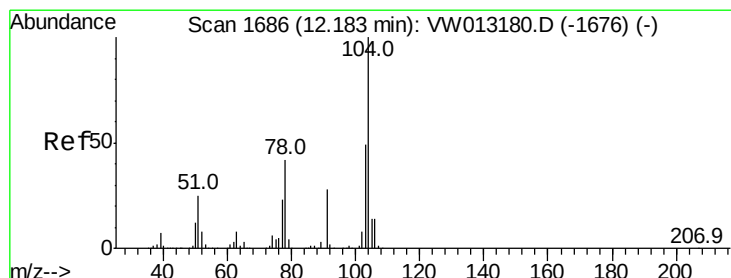
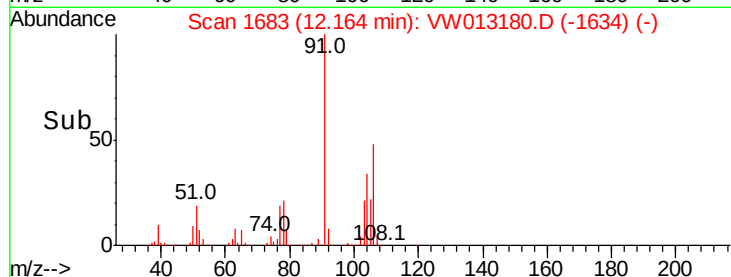
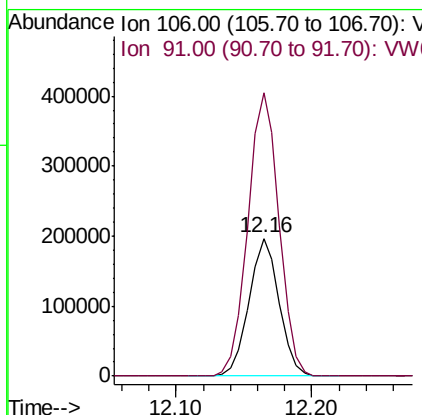
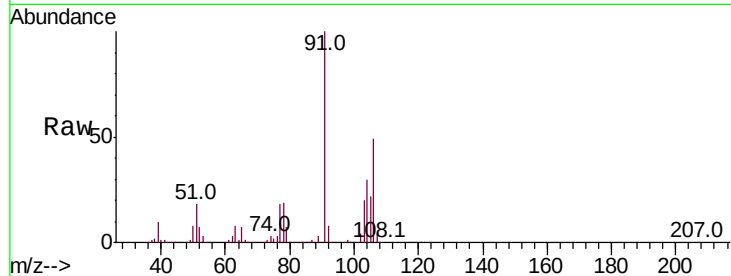




#69
o-Xylene
Concen: 58.457 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

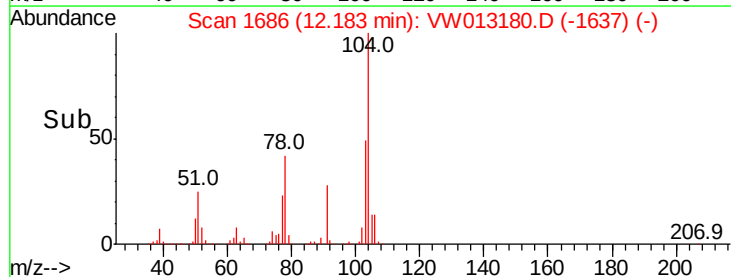
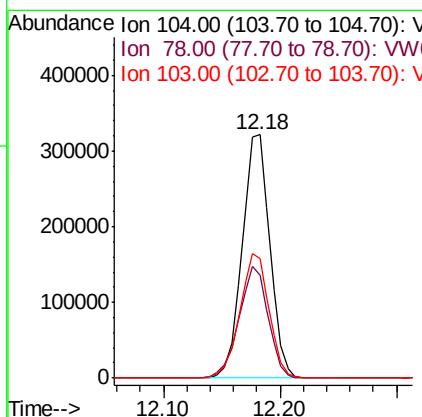
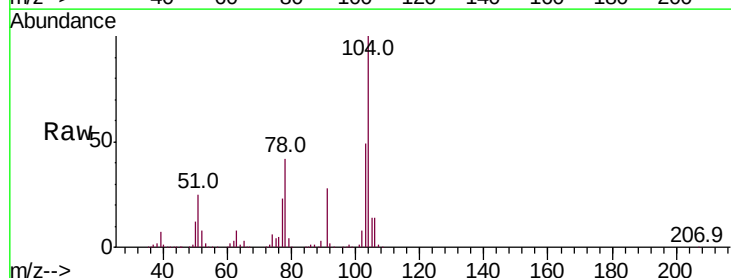
Instrument :
MSVOA_W
ClientSampleId :

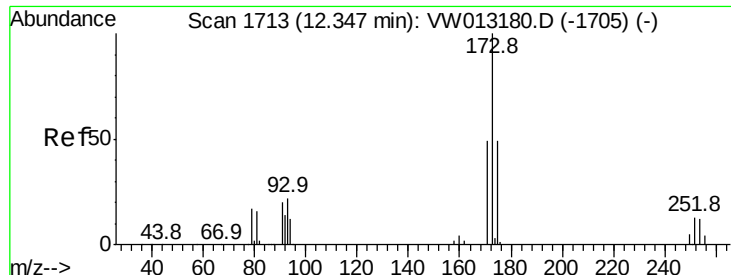
Tot Ion:106 Resp: 304359
Ion Ratio Lower Upper
106 100
91 213.0 106.5 319.5



#70
Styrene
Concen: 57.781 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion:104 Resp: 533121
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.1 43.3 64.9





#71

Bromoform

Concen: 52.774 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

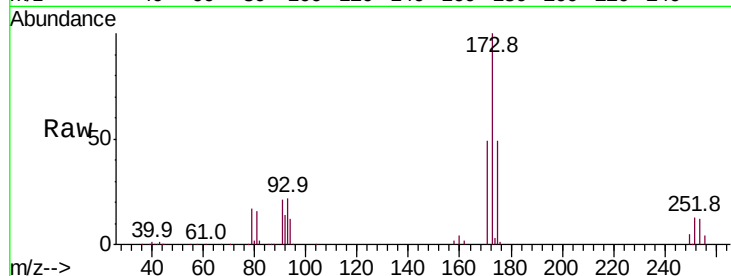
Tot Ion:173 Resp: 85046

Ion Ratio Lower Upper

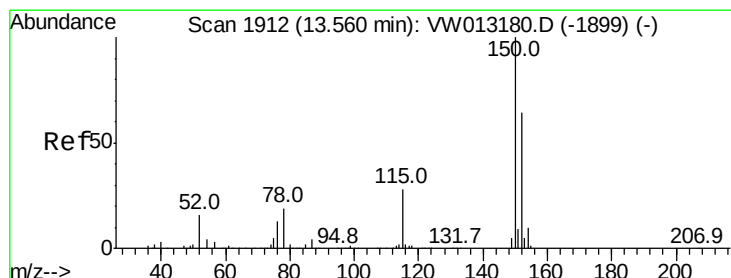
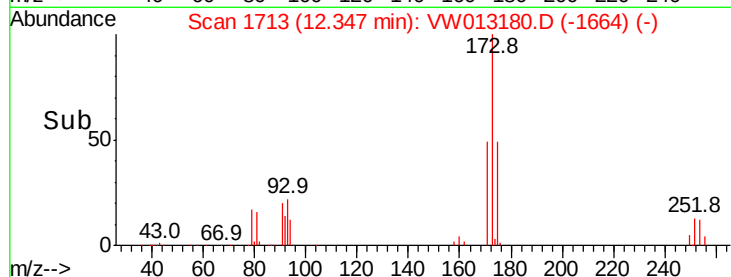
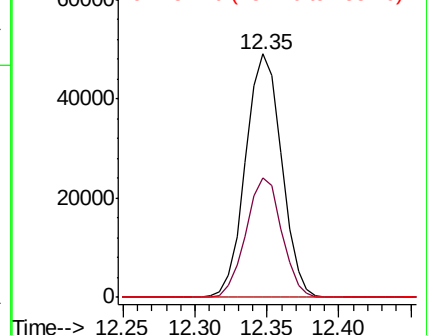
173 100

175 48.7 24.3 73.0

254 0.1 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: VW013180.D

Acq: 20 Sep 2019 14:01

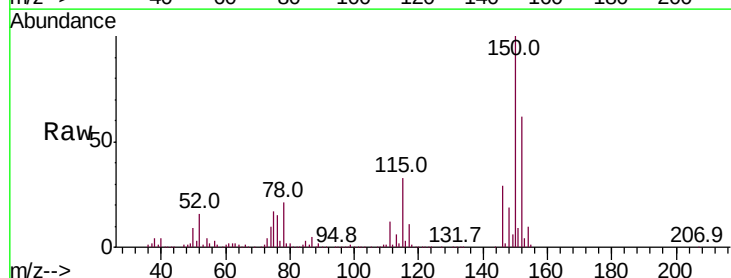
Tgt Ion:152 Resp: 226435

Ion Ratio Lower Upper

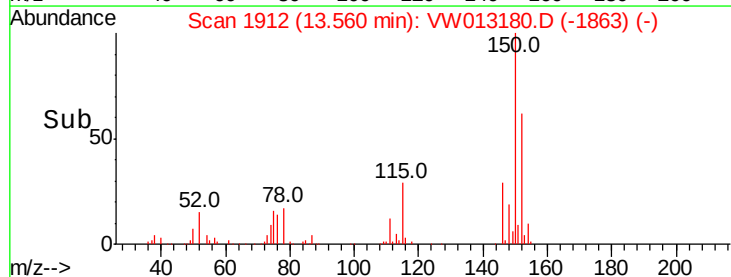
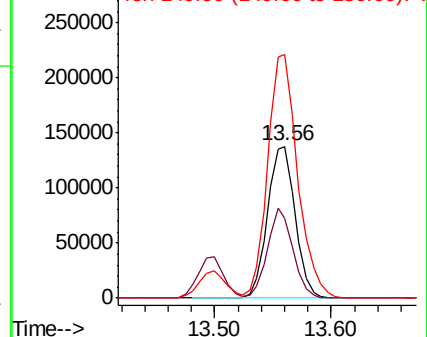
152 100

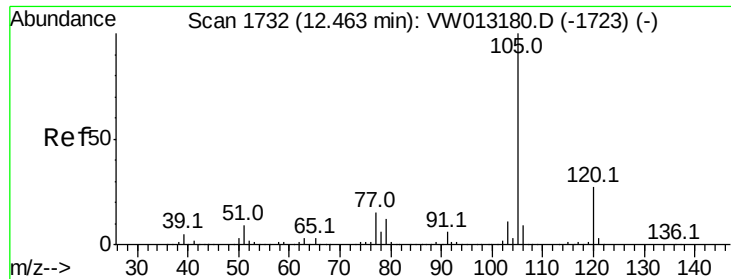
115 54.6 27.3 81.9

150 174.5 0.0 349.0



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: 55.684 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

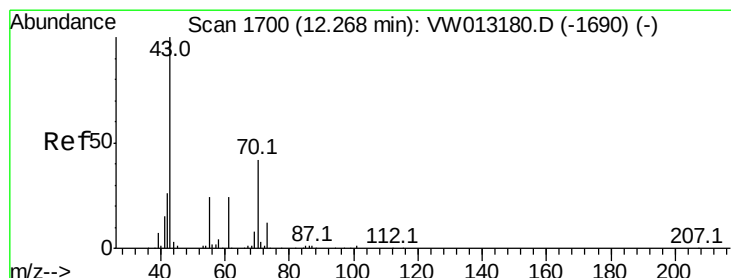
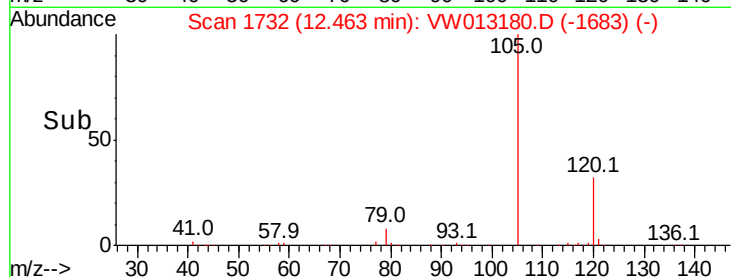
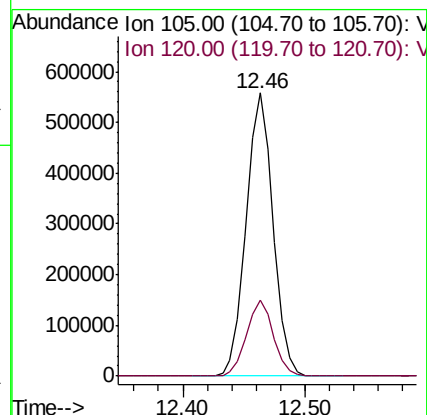
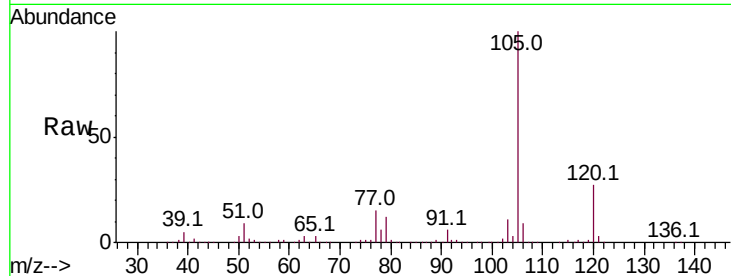
ClientSampleId :

Tot Ion:105 Resp: 849080

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 49.417 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion: 43 Resp: 188910

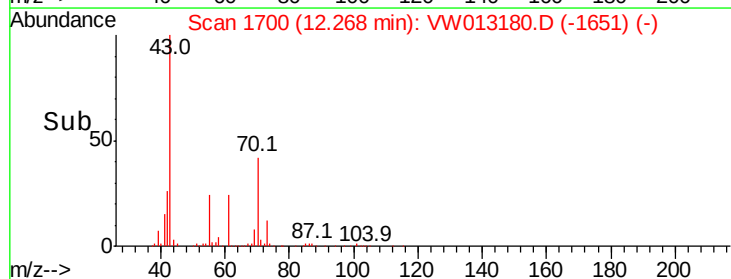
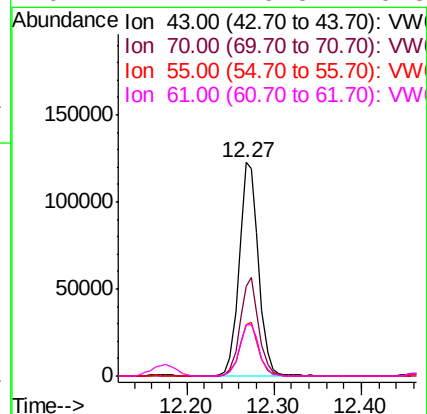
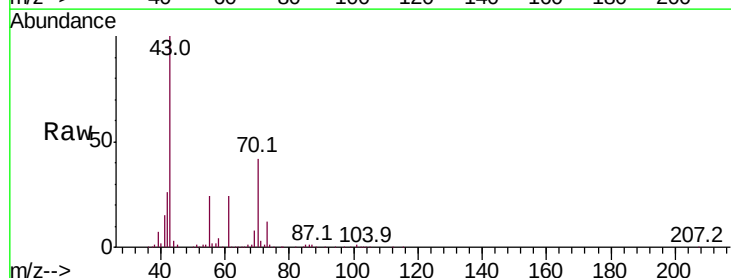
Ion Ratio Lower Upper

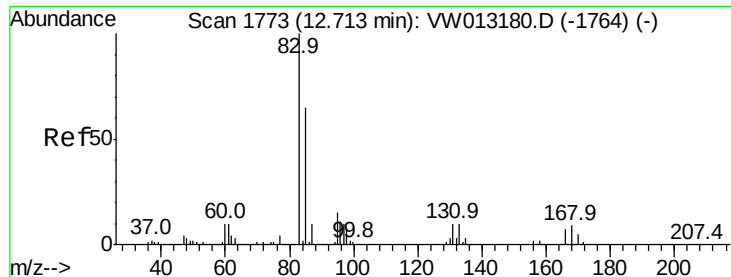
43 100

70 43.9 35.1 52.7

55 24.9 19.9 29.9

61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.941 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

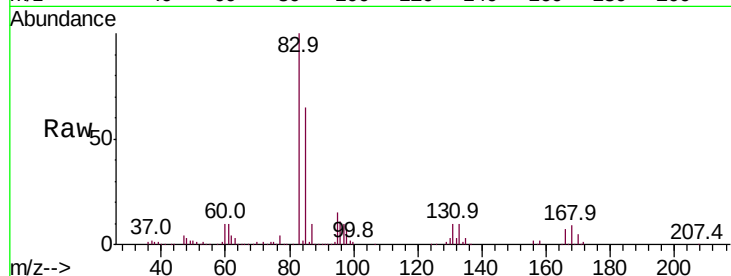
Tot Ion: 83 Resp: 136902

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

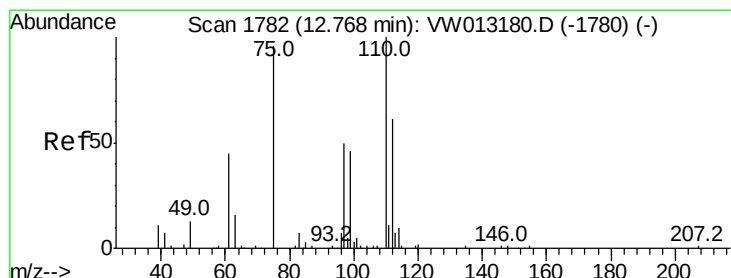
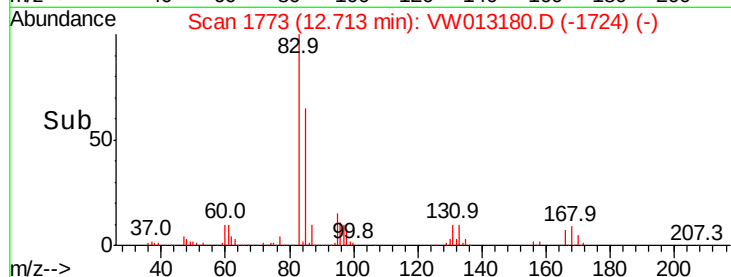
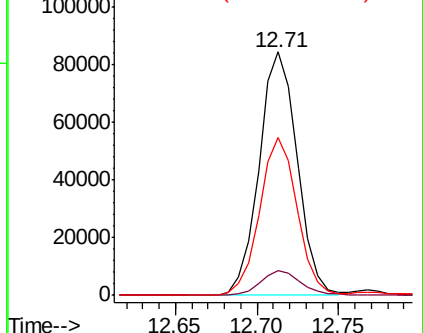
85 63.9 31.9 95.9



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: 88.933 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013180.D

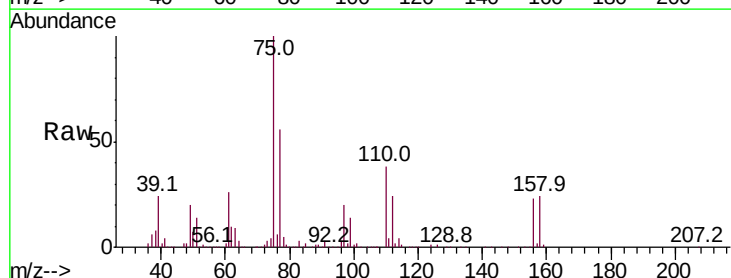
Acq: 20 Sep 2019 14:01

Tgt Ion: 75 Resp: 175678

Ion Ratio Lower Upper

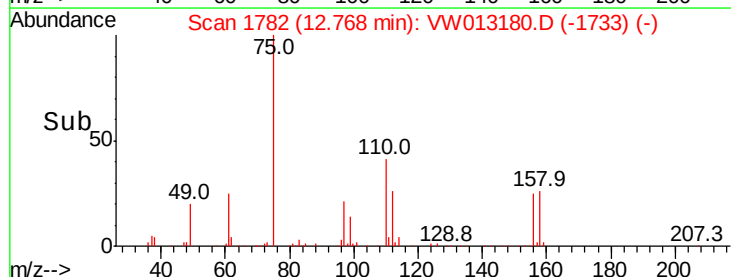
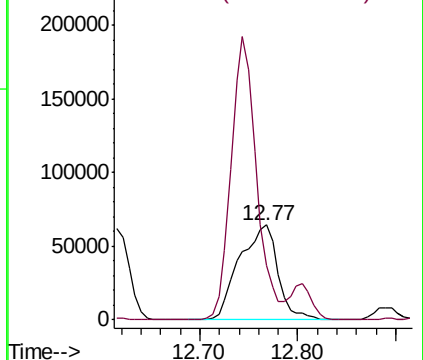
75 100

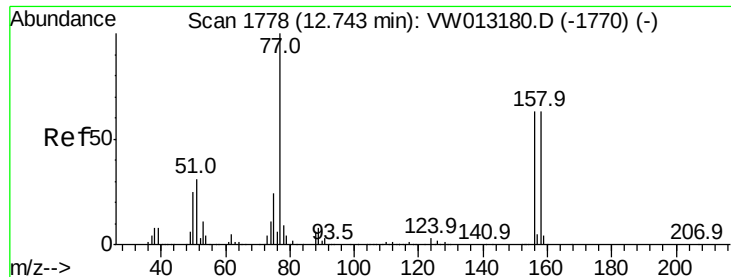
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.443 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

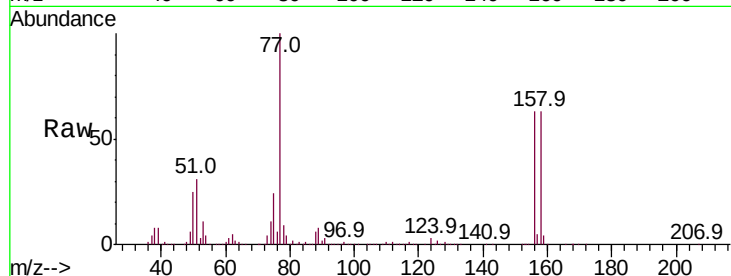
Tot Ion:156 Resp: 204059

Ion Ratio Lower Upper

156 100

77 171.4 85.7 257.1

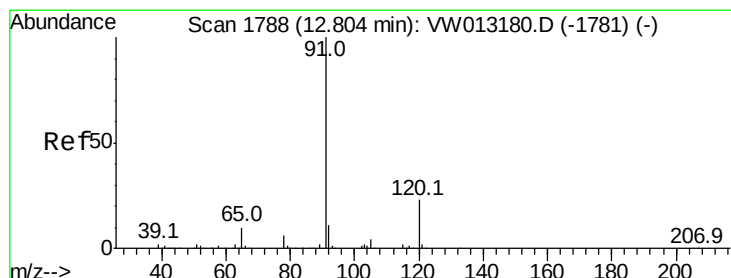
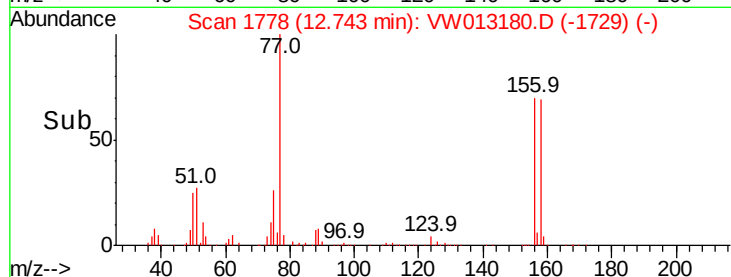
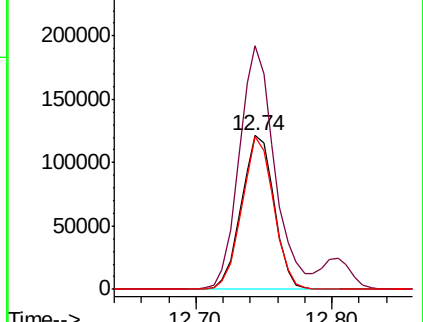
158 96.3 48.1 144.4



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: 55.869 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013180.D

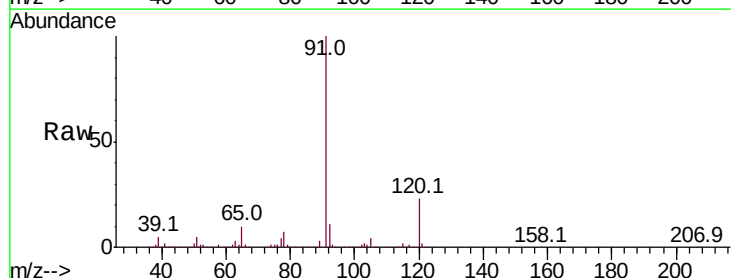
Acq: 20 Sep 2019 14:01

Tgt Ion: 91 Resp: 1001450

Ion Ratio Lower Upper

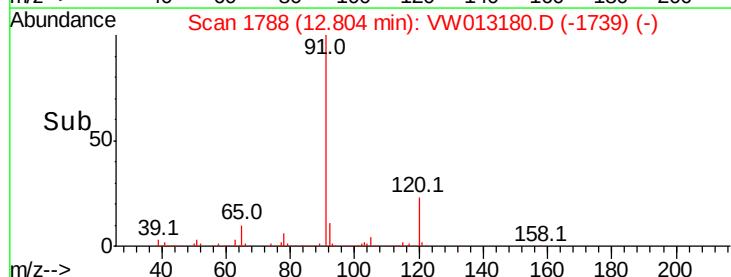
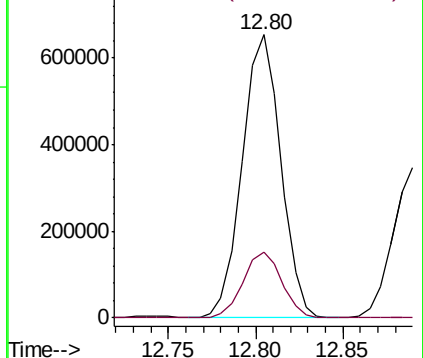
91 100

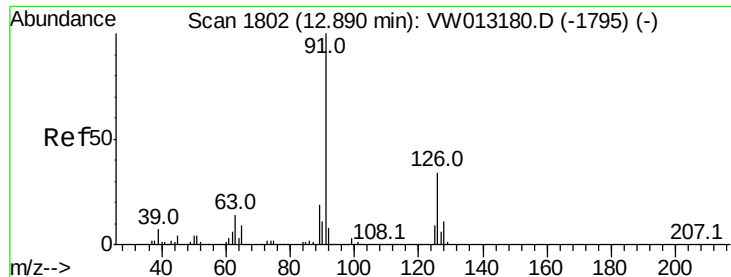
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.289 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

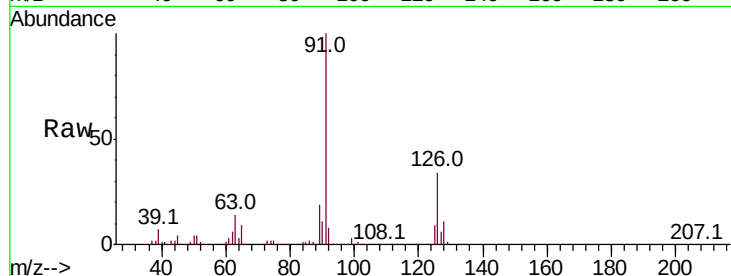
ClientSampled :

Tot Ion: 91 Resp: 557502

Ion Ratio Lower Upper

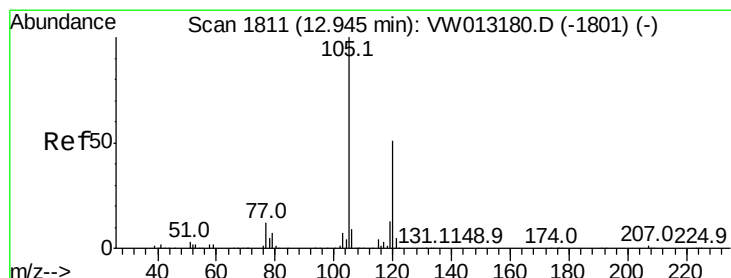
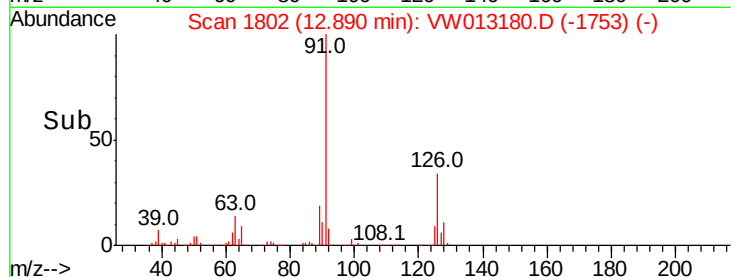
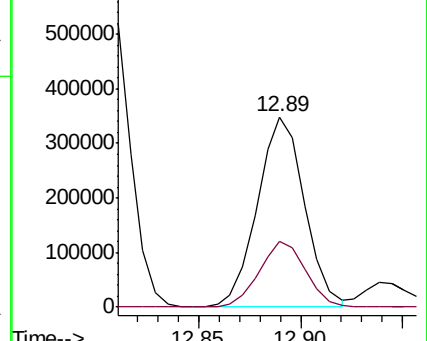
91 100

126 34.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.475 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013180.D

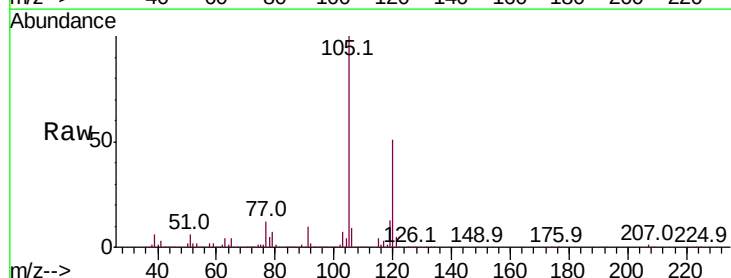
Acq: 20 Sep 2019 14:01

Tgt Ion:105 Resp: 716565

Ion Ratio Lower Upper

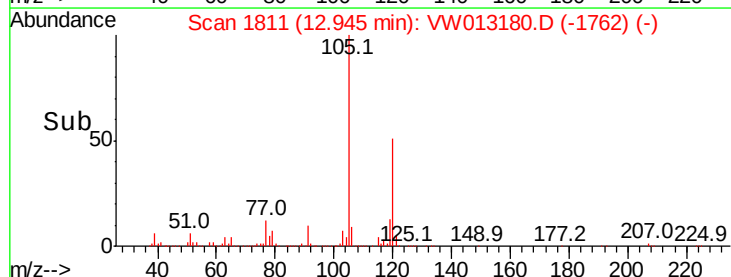
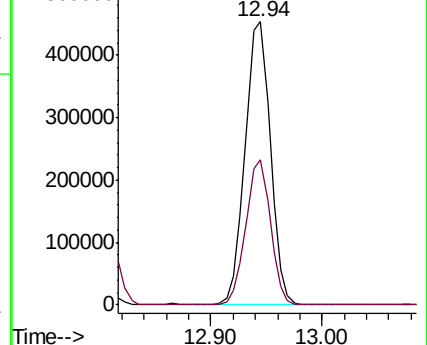
105 100

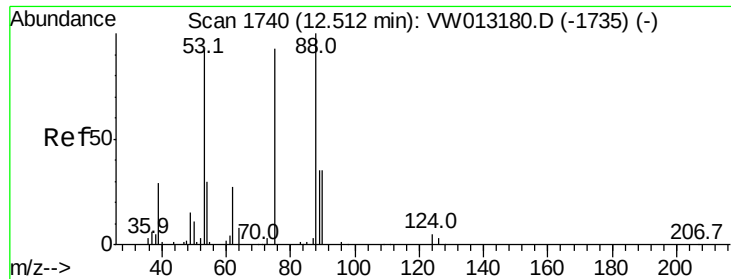
120 49.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

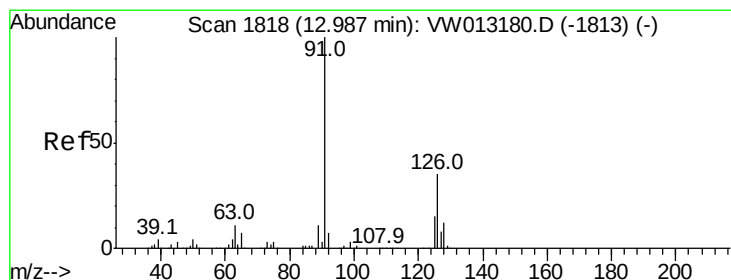
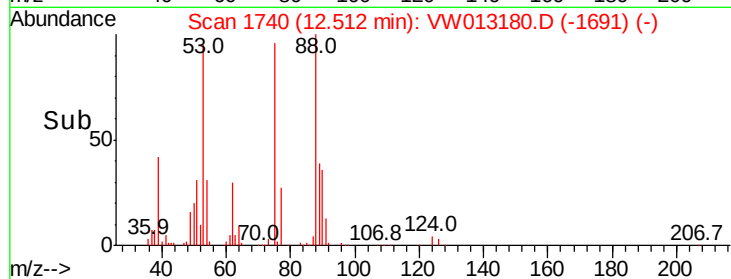
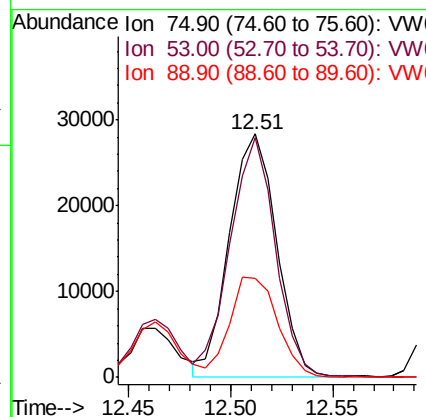
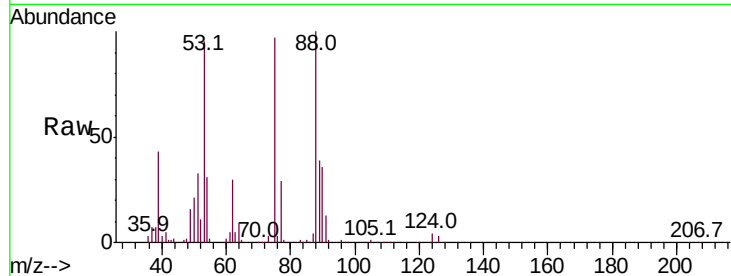




#81
trans-1,4-Dichloro-2-butene
Concen: 51.663 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

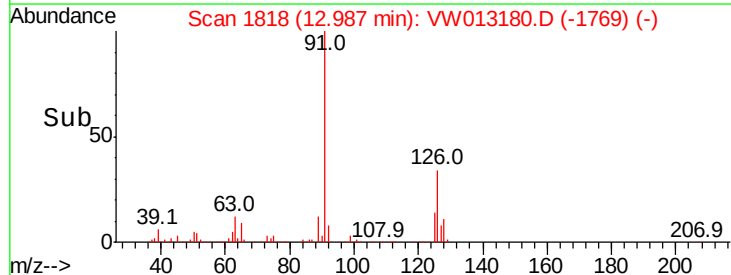
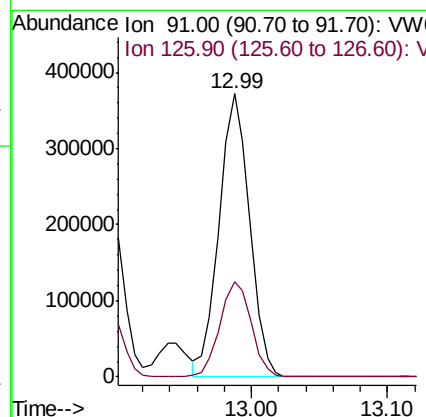
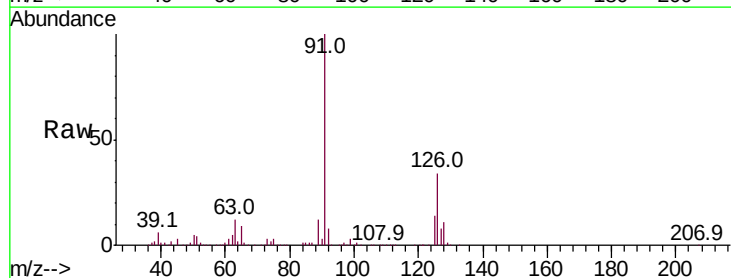
Instrument :
MSVOA_W
ClientSampleId :

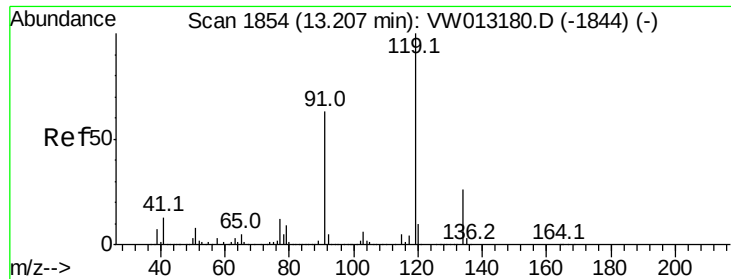
Tot Ion: 75 Resp: 45100
Ion Ratio Lower Upper
75 100
53 95.7 76.6 114.8
89 41.9 33.5 50.3



#82
4-Chlorotoluene
Concen: 53.567 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 91 Resp: 577322
Ion Ratio Lower Upper
91 100
126 34.5 17.3 51.7

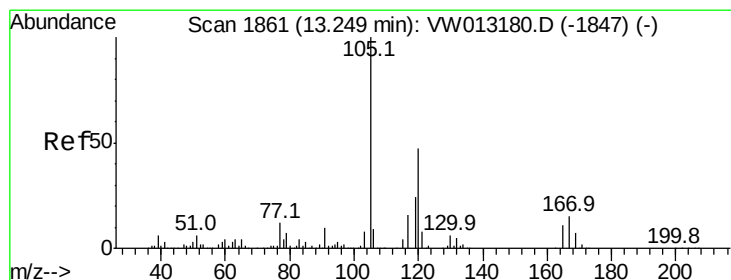
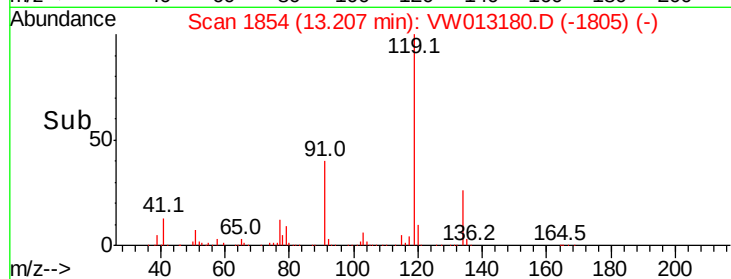
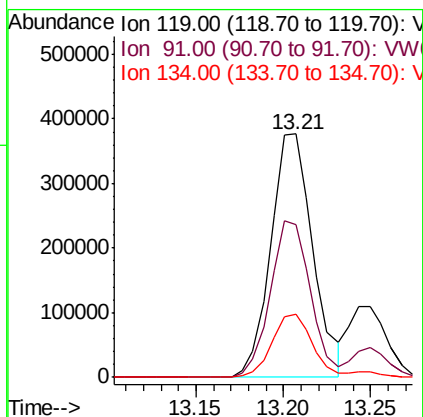
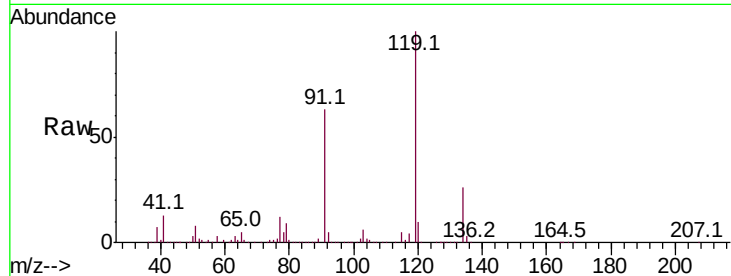




#83
 tert-Butylbenzene
 Concen: 54.968 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

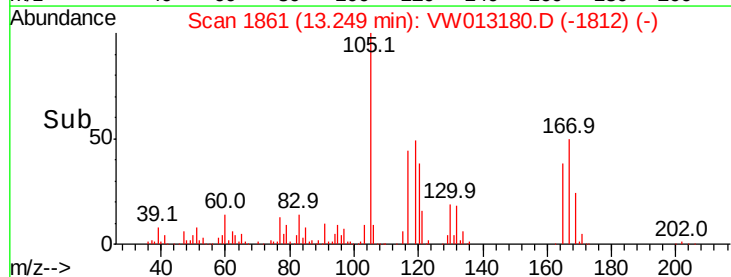
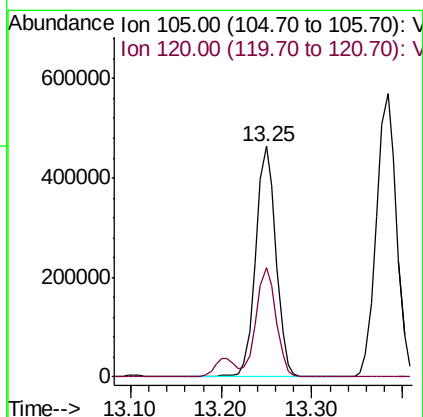
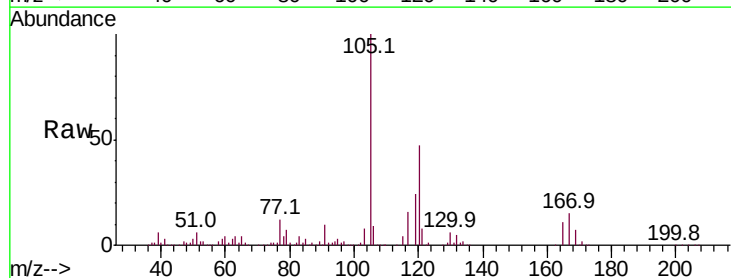
Instrument :
 MSVOA_W
 ClientSampled :

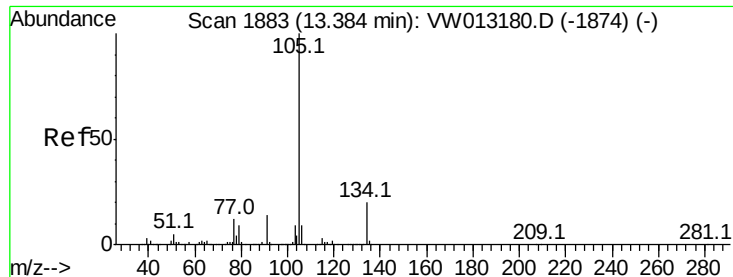
Tot Ion:119 Resp: 632127
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.7 92.1
 134 25.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 55.896 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion:105 Resp: 713029
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3

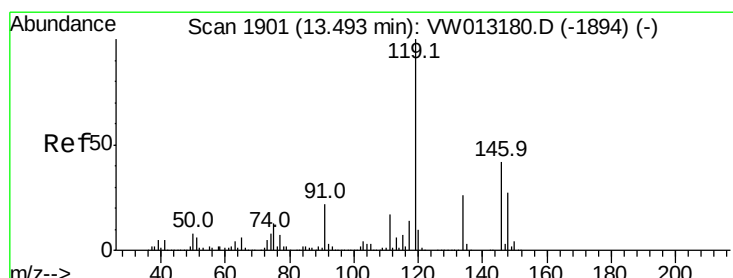
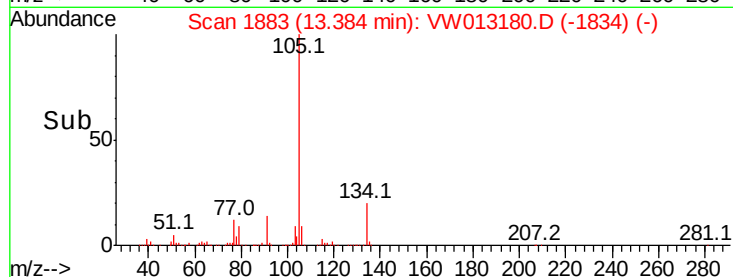
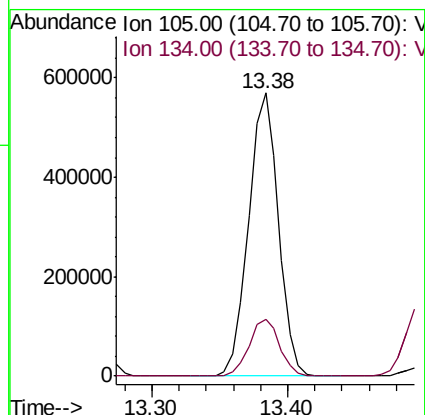
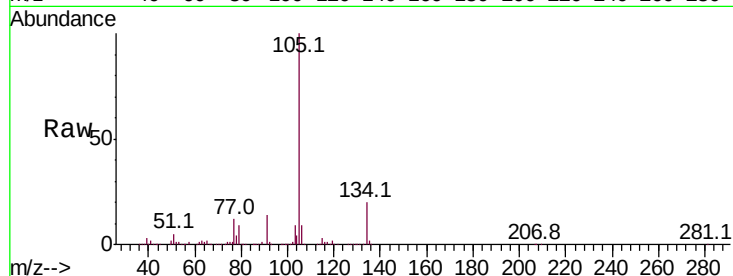




#85
 sec-Butylbenzene
 Concen: 55.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

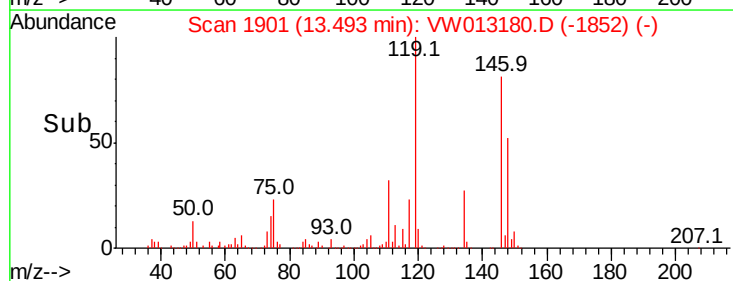
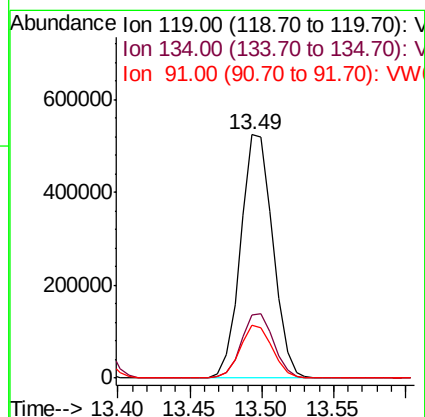
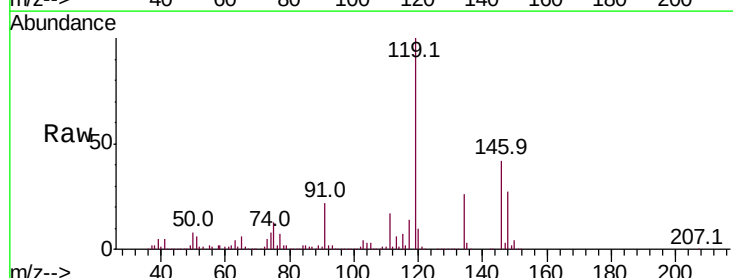
Instrument :
 MSVOA_W
 ClientSampled :

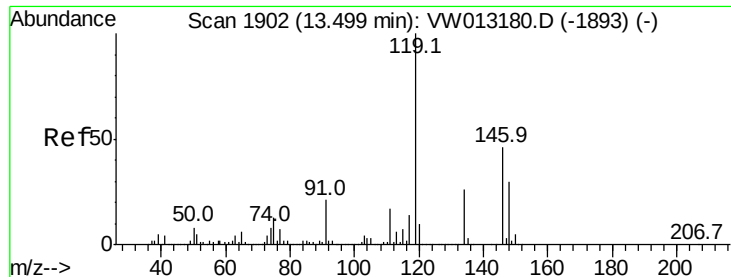
Tot Ion:105 Resp: 875237
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 56.100 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion:119 Resp: 810723
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 21.6 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 55.075 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

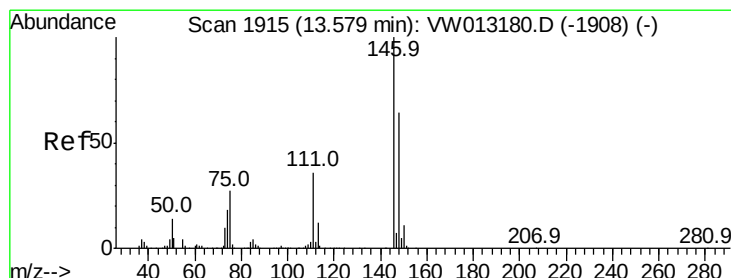
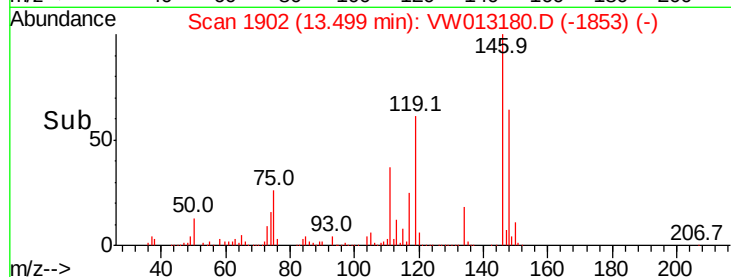
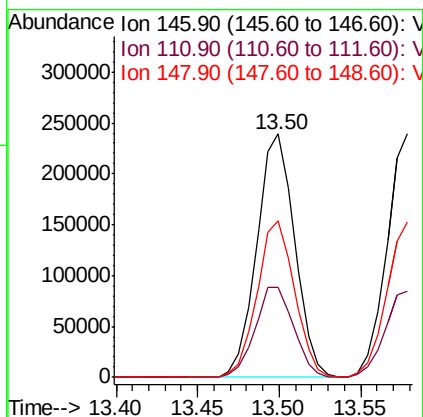
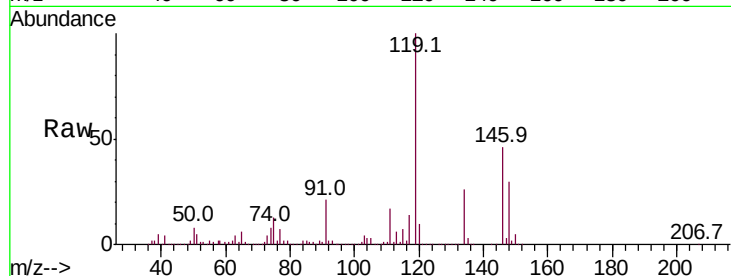
Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 384158

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 55.226 ug/l

RT: 13.58 min Scan# 1915

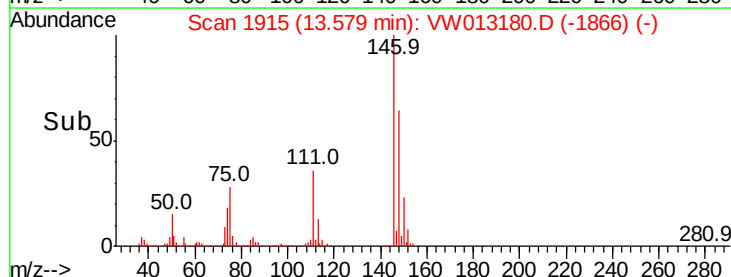
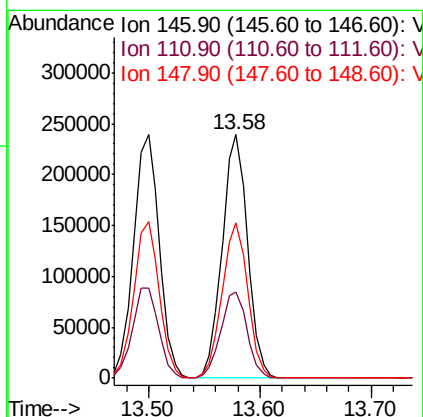
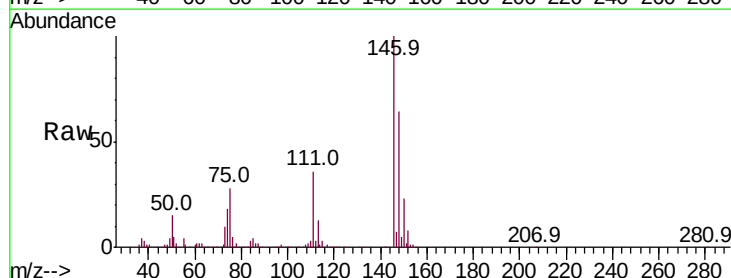
Delta R.T. 0.00 min

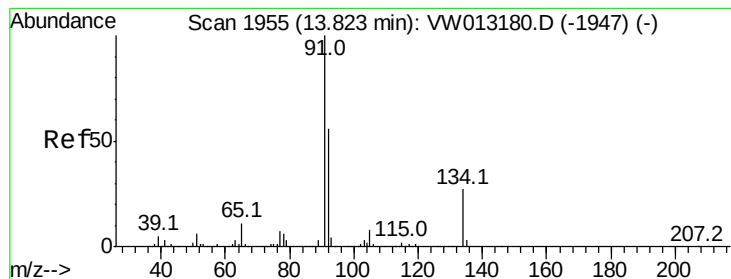
Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:146 Resp: 377641

Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 55.093 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

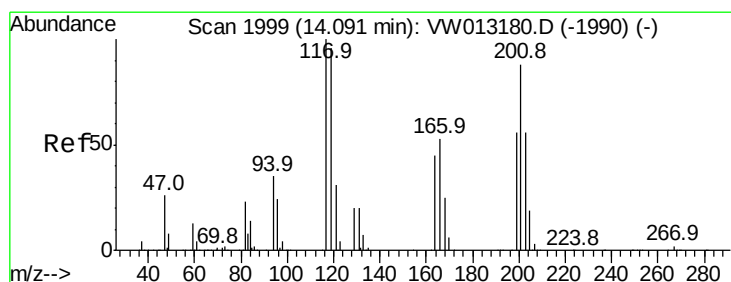
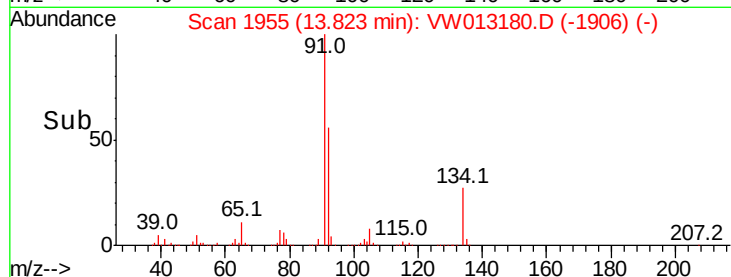
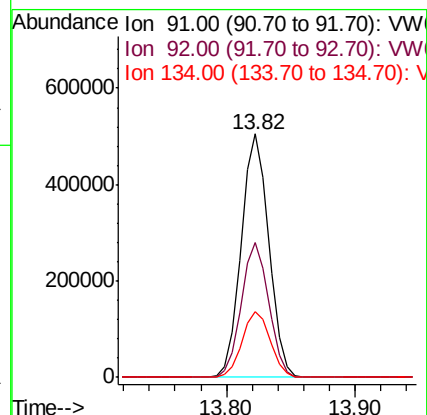
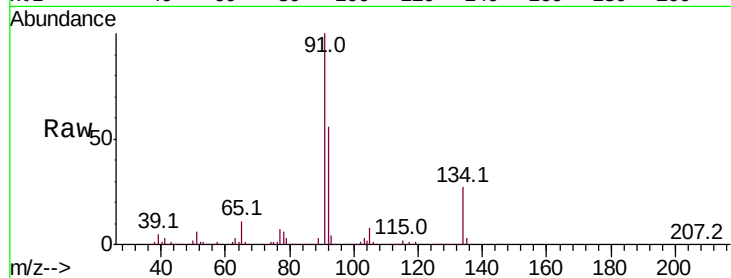
Tot Ion: 91 Resp: 746873

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.8

134 27.4 13.7 41.1



#90

Hexachloroethane

Concen: 53.365 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013180.D

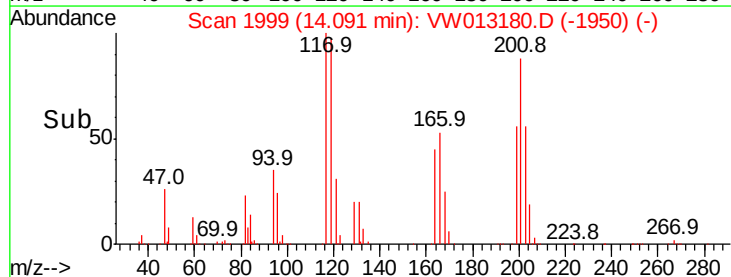
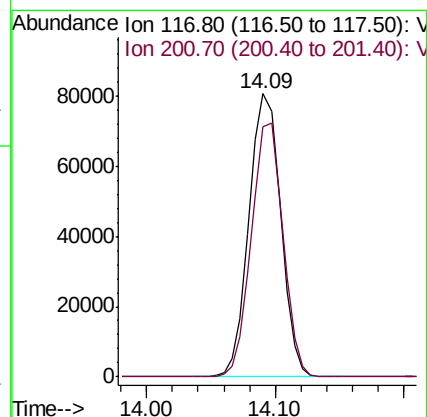
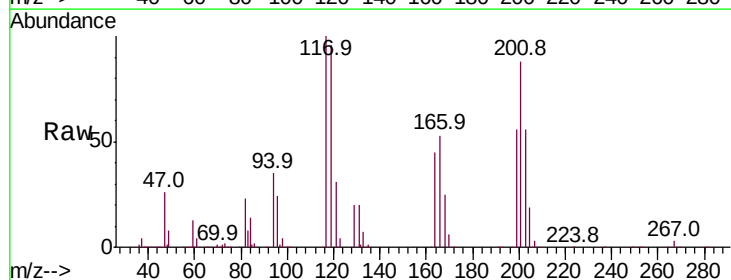
Acq: 20 Sep 2019 14:01

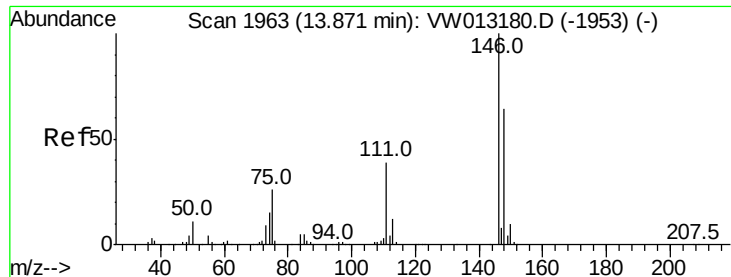
Tgt Ion: 117 Resp: 137112

Ion Ratio Lower Upper

117 100

201 89.0 44.5 133.5

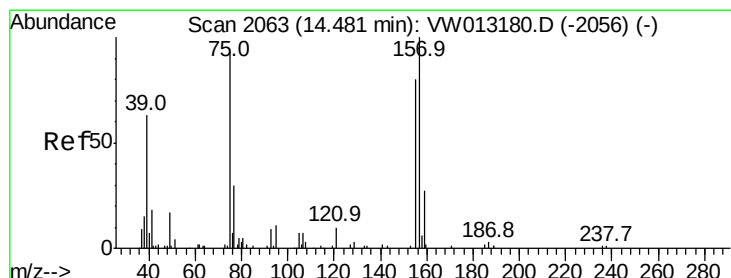
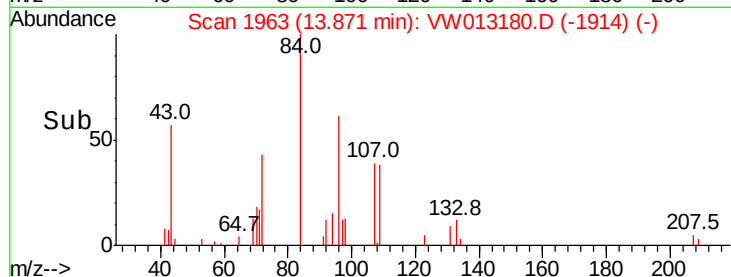
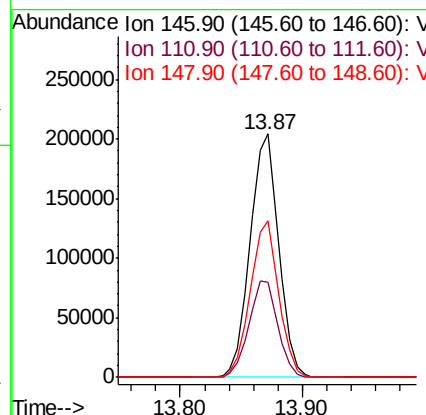
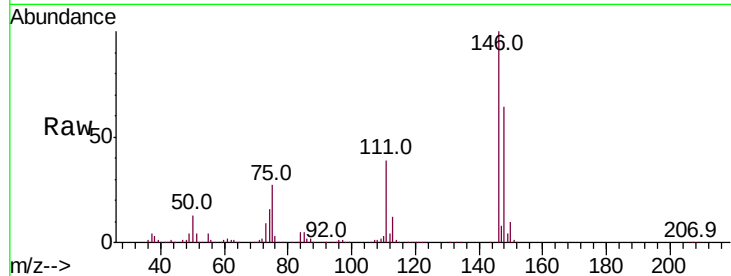




#91
 1,2-Dichlorobenzene
 Concen: 54.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

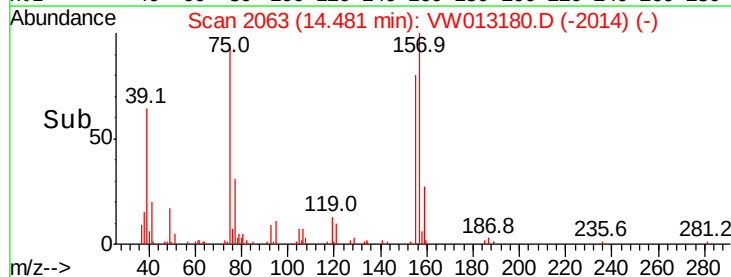
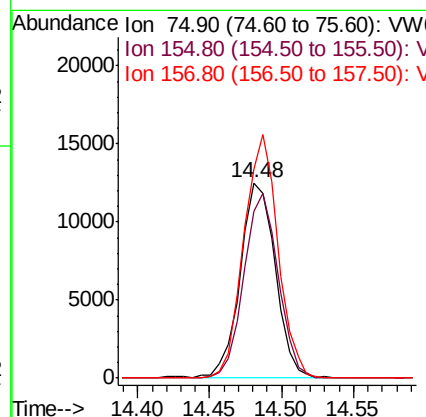
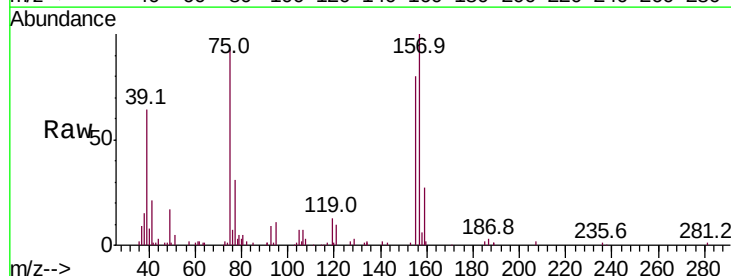
Instrument :
 MSVOA_W
 ClientSampleId :

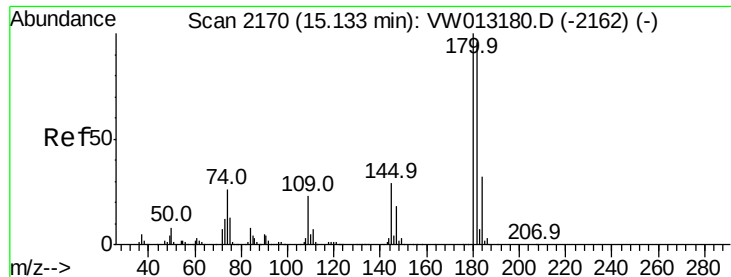
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.0	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.684 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	46.1	138.3
157	120.8	60.4	181.2

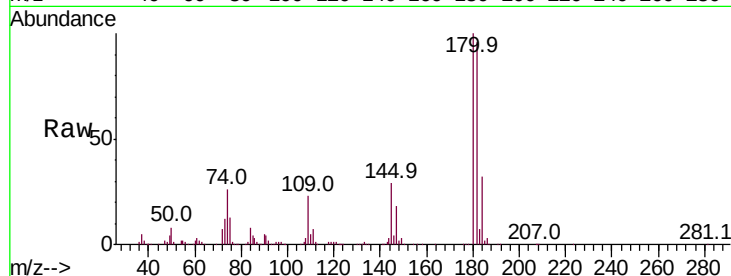




#93
 1,2,4-Trichlorobenzene
 Concen: 55.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	28.5	14.2	42.8

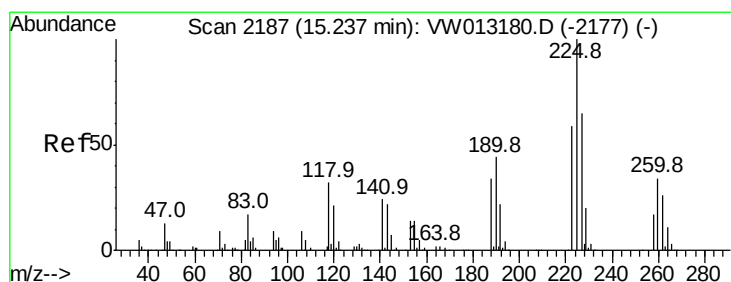
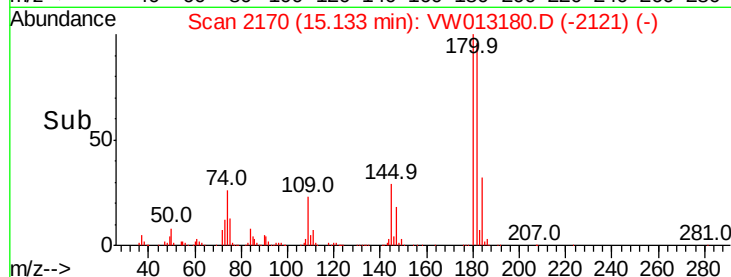
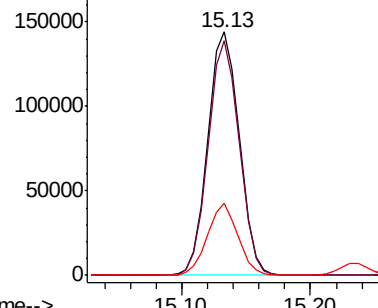


Abundance

Ion 179.80 (179.50 to 180.50): V

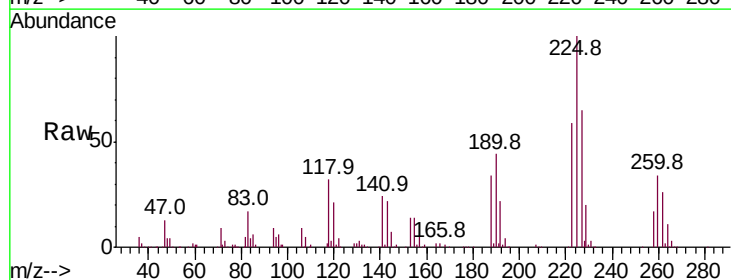
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.677 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	63.9	31.9	95.9

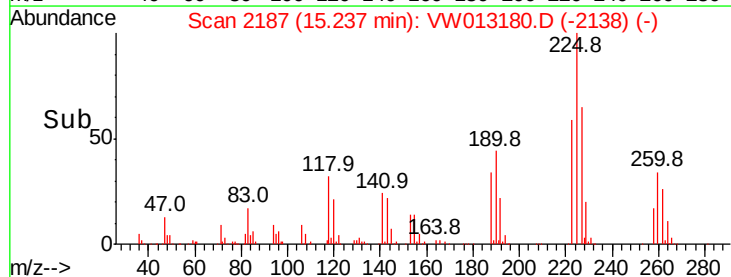
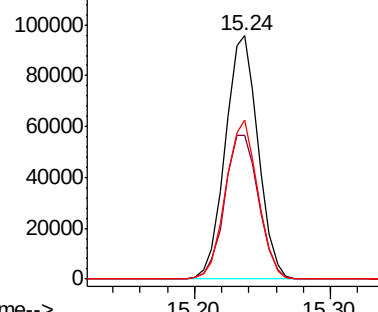


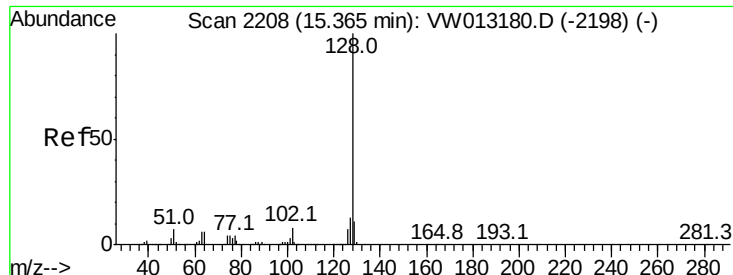
Abundance

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

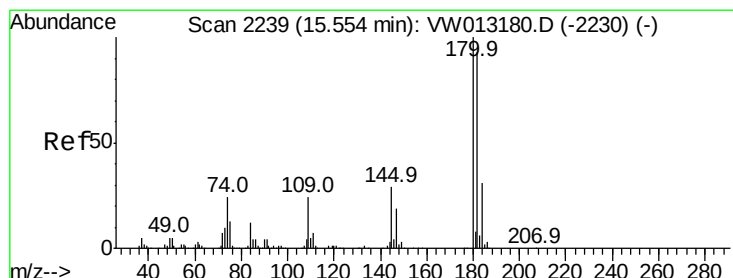
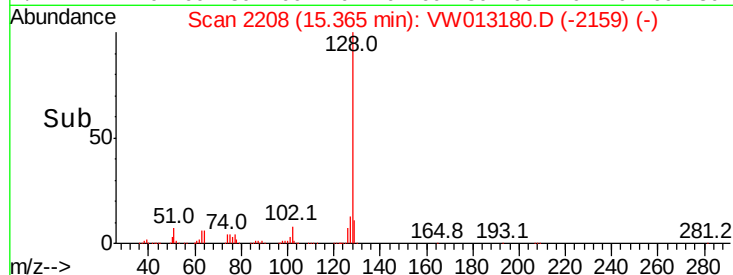
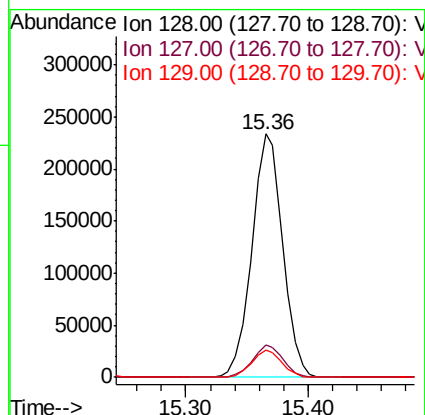
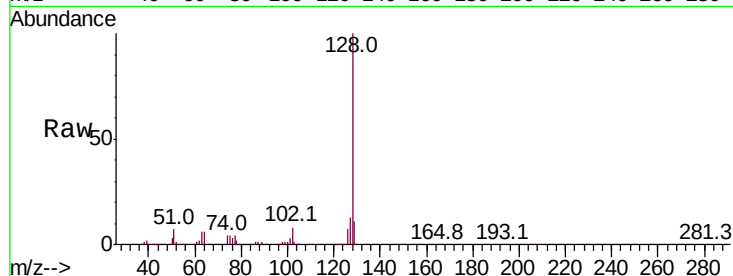




#95
Naphthalene
Concen: 56.423 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.482 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	30.0	15.0	45.0

