

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 14:55:48 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	375940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56001	16.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.10%	
35) Dibromofluoromethane	7.88	113	55809	18.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.46%	
50) Toluene-d8	10.32	98	229613	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
62) 4-Bromofluorobenzene	12.62	95	77531	18.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45001	26.445	ug/l	100
3) Chloromethane	2.21	50	54512	25.137	ug/l	100
4) Vinyl Chloride	2.36	62	70791	24.976	ug/l	98
5) Bromomethane	2.77	94	43592	24.789	ug/l	93
6) Chloroethane	2.92	64	40505	23.422	ug/l	92
7) Trichlorofluoromethane	3.25	101	38769	20.387	ug/l	87
8) Diethyl Ether	3.68	74	34183	22.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65597	22.321	ug/l	98
10) Methyl Iodide	4.27	142	101411	26.392	ug/l	100
11) Tert butyl alcohol	5.20	59	20451	77.676	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	68345	24.949	ug/l	97
13) Acrolein	3.90	56	17511	73.430	ug/l	89
14) Allyl chloride	4.67	41	106227	21.147	ug/l	99
15) Acrylonitrile	5.37	53	74636	99.750	ug/l	99
16) Acetone	4.13	43	61813	77.594	ug/l	97
17) Carbon Disulfide	4.38	76	193916	32.152	ug/l	100
18) Methyl Acetate	4.67	43	39082	19.866	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103616	20.169	ug/l	95
20) Methylene Chloride	4.91	84	73153	21.676	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72701	24.703	ug/l	99
22) Diisopropyl ether	6.31	45	205183	19.970	ug/l	96
23) Vinyl Acetate	6.25	43	608354	99.575	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123845	20.693	ug/l	99
25) 2-Butanone	7.17	43	99744	92.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	80362	19.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76575	22.232	ug/l	98
28) Bromochloromethane	7.51	49	42122	16.801	ug/l	98
29) Tetrahydrofuran	7.53	42	63013	100.931	ug/l	98
30) Chloroform	7.67	83	120711	20.085	ug/l	98
31) Cyclohexane	7.95	56	128317	24.144	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98770	19.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102716	22.610	ug/l	98
37) Ethyl Acetate	7.25	43	43158	18.673	ug/l	96
38) Carbon Tetrachloride	8.07	117	91219	20.032	ug/l	94

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 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)
39) Methylcyclohexane	9.34	83	132947	25.672	ug/l	97
40) Benzene	8.32	78	287576	22.674	ug/l	99
41) Methacrylonitrile	7.48	41	25949	17.230	ug/l	98
42) 1,2-Dichloroethane	8.40	62	75503	18.467	ug/l	99
43) Isopropyl Acetate	8.42	43	81944	18.524	ug/l	99
44) Trichloroethene	9.09	130	79522	22.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	68682	20.761	ug/l	100
46) Dibromomethane	9.46	93	33516	21.095	ug/l	97
47) Bromodichloromethane	9.64	83	83720	19.112	ug/l	99
48) Methyl methacrylate	9.44	41	37803	18.168	ug/l	97
49) 1,4-Dioxane	9.46	88	9850	387.017	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	206652	90.863	ug/l	99
52) Toluene	10.38	92	182880	22.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87347	19.719	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104987	20.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50595	20.975	ug/l	98
56) Ethyl methacrylate	10.65	69	66879	20.721	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87381	20.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	147377	86.311	ug/l	100
59) 2-Hexanone	10.97	43	144238	91.561	ug/l	100
60) Dibromochloromethane	11.13	129	55842	19.382	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47935	21.715	ug/l	98
64) Tetrachloroethene	10.86	164	67677	22.941	ug/l	97
65) Chlorobenzene	11.66	112	191155	22.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65363	20.072	ug/l	99
67) Ethyl Benzene	11.73	91	345536	21.656	ug/l	97
68) m/p-Xylenes	11.84	106	264729	45.023	ug/l	98
69) o-Xylene	12.16	106	122053	22.204	ug/l	97
70) Styrene	12.18	104	211379	21.700	ug/l	99
71) Bromoform	12.35	173	33576	19.735	ug/l #	99
73) Isopropylbenzene	12.46	105	342371	20.870	ug/l	99
74) N-amyl acetate	12.27	43	74826	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56005	19.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	73054	34.375	ug/l #	100
77) Bromobenzene	12.74	156	79890	20.904	ug/l	97
78) n-propylbenzene	12.80	91	401866	20.839	ug/l	100
79) 2-Chlorotoluene	12.89	91	225685	20.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	287238	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18109	19.282	ug/l	99
82) 4-Chlorotoluene	12.99	91	239977	20.697	ug/l	99
83) tert-Butylbenzene	13.21	119	255592	20.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	291721	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	349690	20.681	ug/l	100
86) p-Isopropyltoluene	13.50	119	325198	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157148	20.941	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154029	20.937	ug/l	98
89) n-Butylbenzene	13.82	91	297577	20.403	ug/l	99
90) Hexachloroethane	14.09	117	53019	19.181	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136372	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8779	17.212	ug/l	97

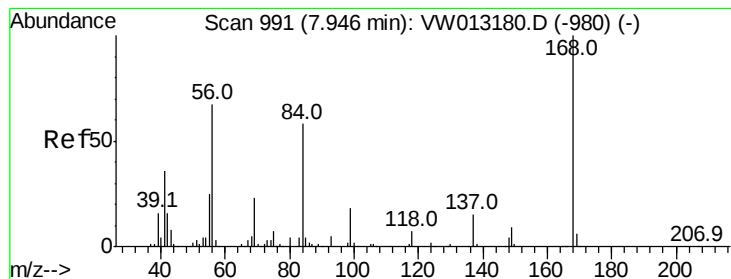
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	98504	20.943	ug/l	99
94) Hexachlorobutadiene	15.24	225	68253	20.602	ug/l	99
95) Naphthalene	15.36	128	159217	20.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	83920	20.251	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

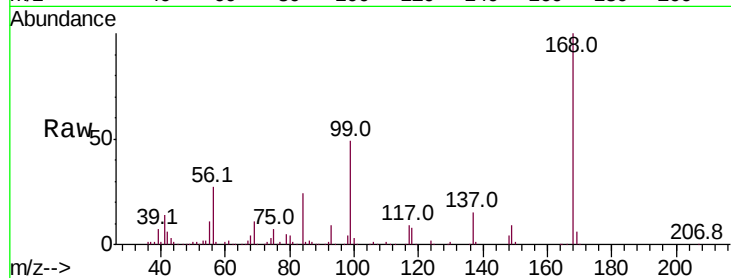
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 375940

Ion Ratio Lower Upper

168 100

99 49.5 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

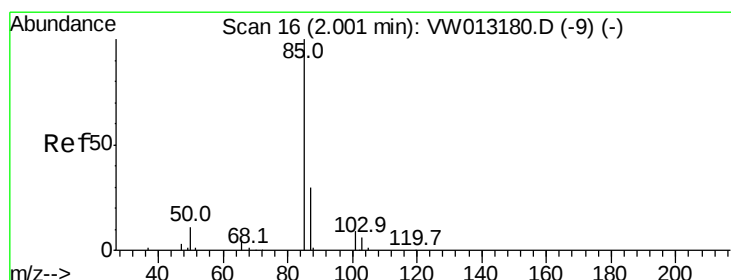
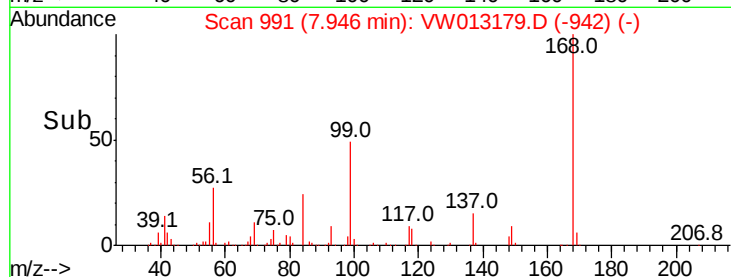
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 26.445 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013179.D

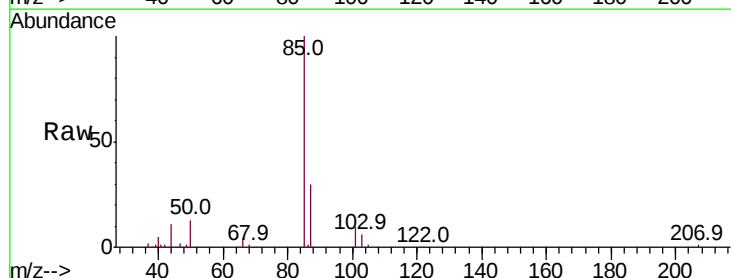
Acq: 20 Sep 2019 13:35

Tgt Ion: 85 Resp: 45001

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

2.01

15000

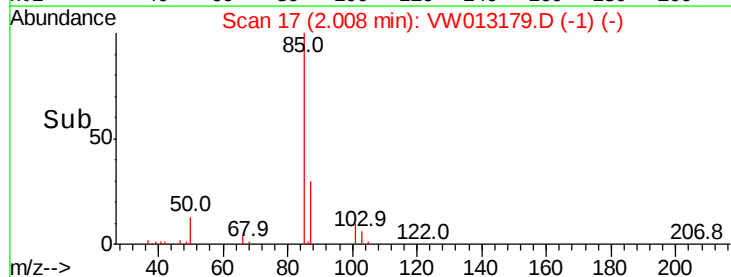
10000

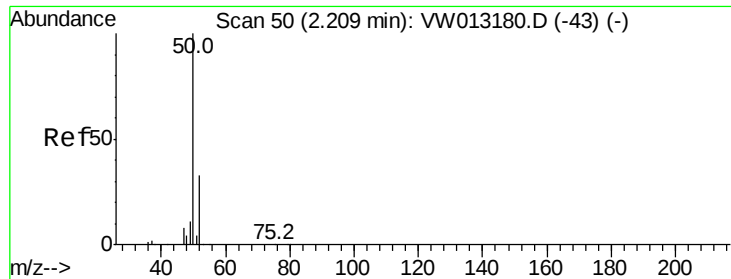
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 25.137 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

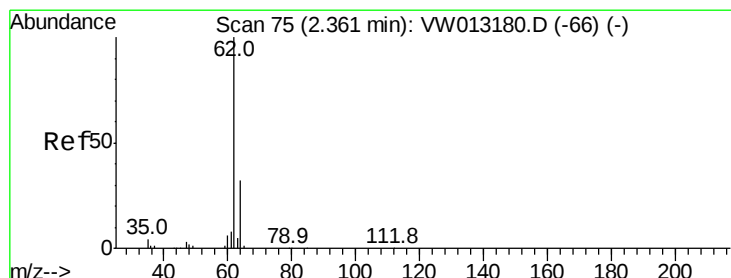
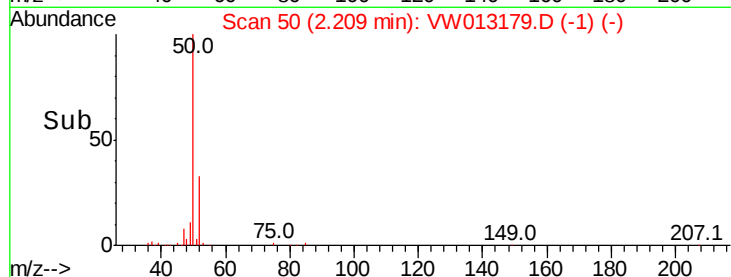
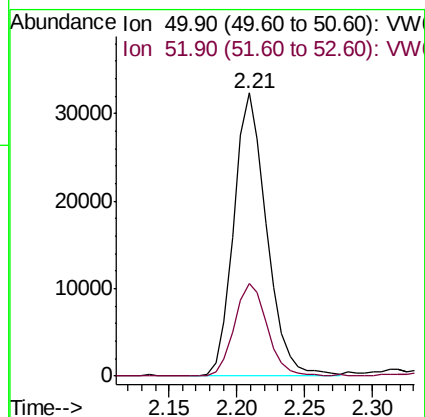
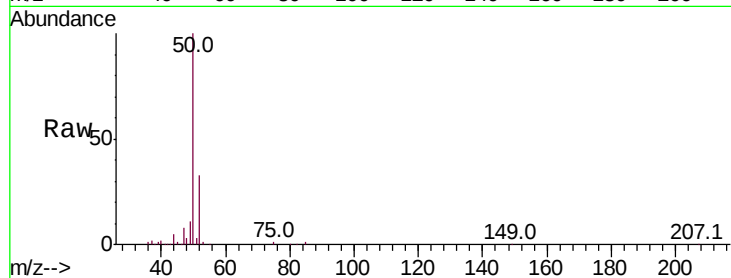
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 54512

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 24.976 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013179.D

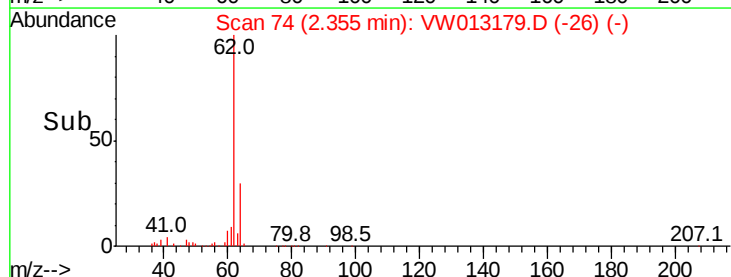
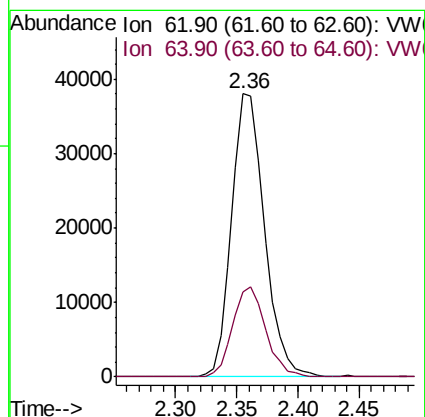
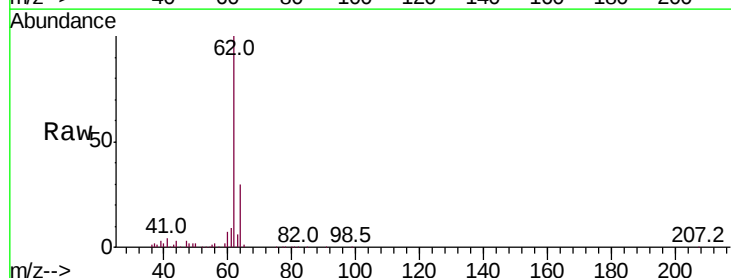
Acq: 20 Sep 2019 13:35

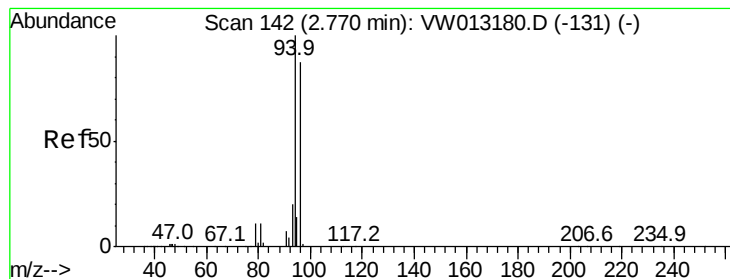
Tgt Ion: 62 Resp: 70791

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 24.789 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

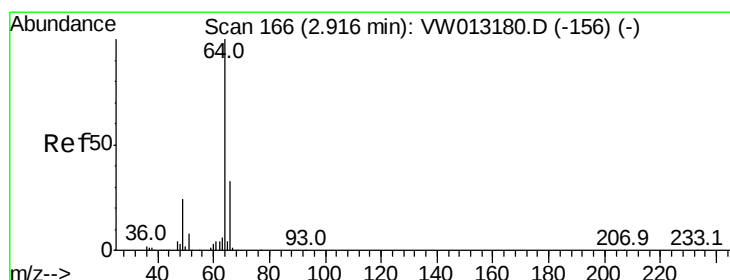
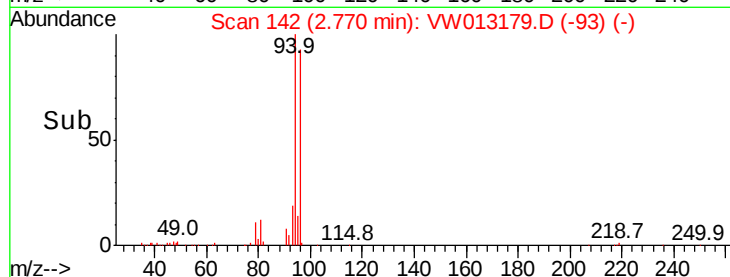
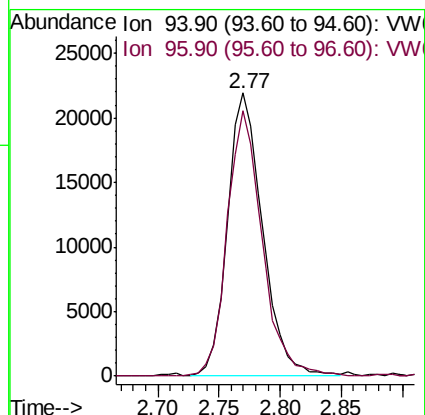
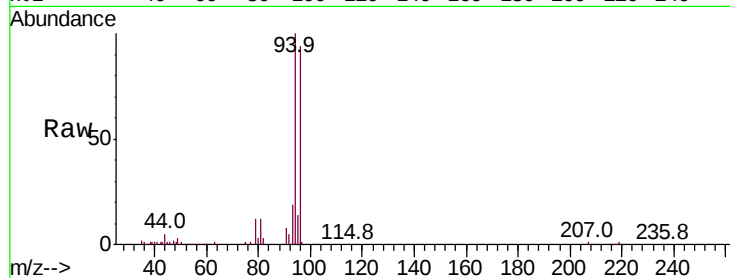
ClientSampleId :

Tot Ion: 94 Resp: 43592

Ion Ratio Lower Upper

94 100

96 93.2 69.7 104.5



#6

Chloroethane

Concen: 23.422 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013179.D

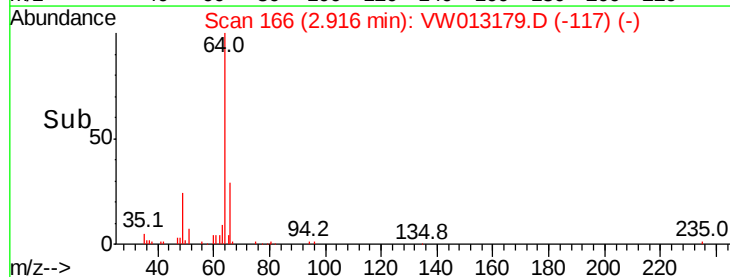
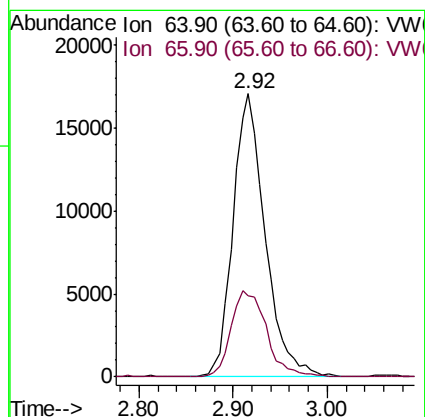
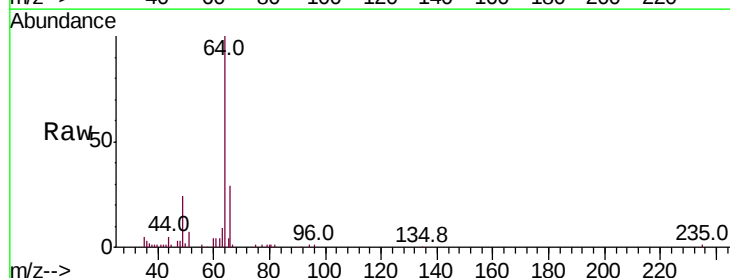
Acq: 20 Sep 2019 13:35

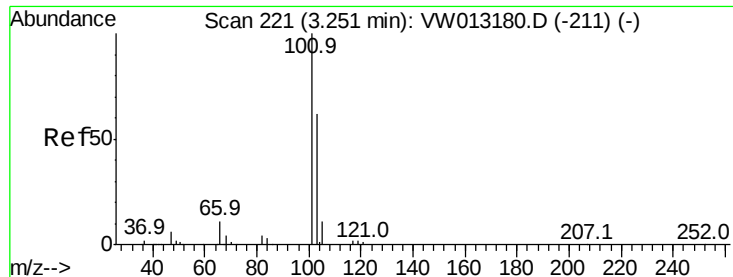
Tgt Ion: 64 Resp: 40505

Ion Ratio Lower Upper

64 100

66 28.6 26.6 39.8



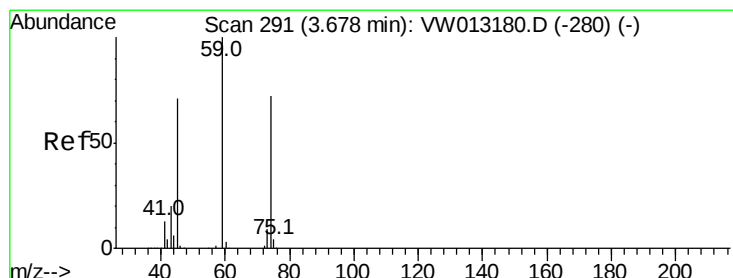
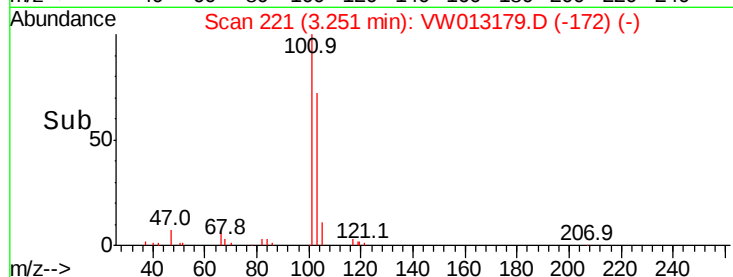
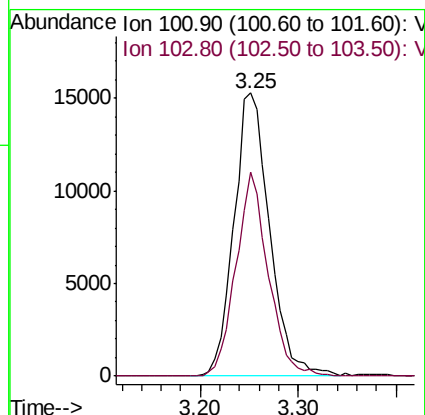
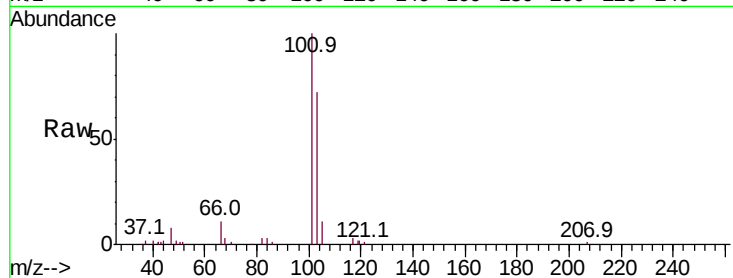


#7

Trichlorofluoromethane
Concen: 20.387 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :

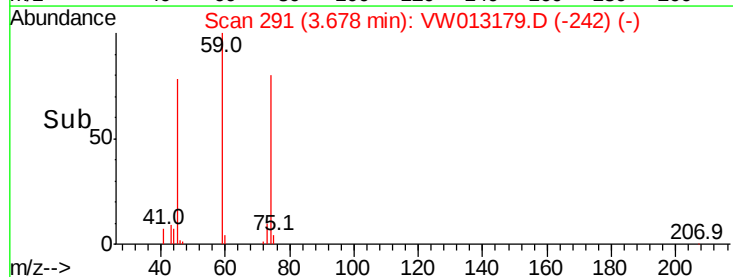
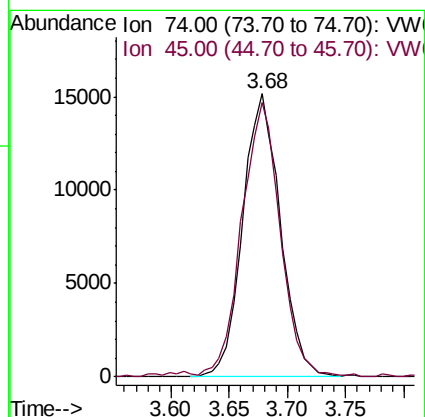
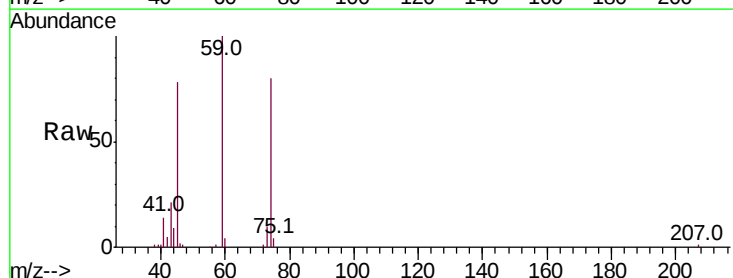
Tot Ion:101 Resp: 38769
Ion Ratio Lower Upper
101 100
103 72.3 49.7 74.5

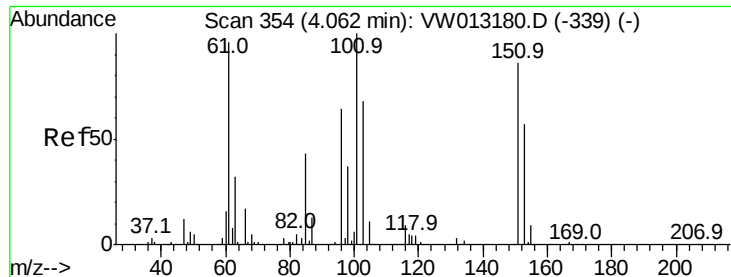


#8

Diethyl Ether
Concen: 22.492 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 74 Resp: 34183
Ion Ratio Lower Upper
74 100
45 99.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.321 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

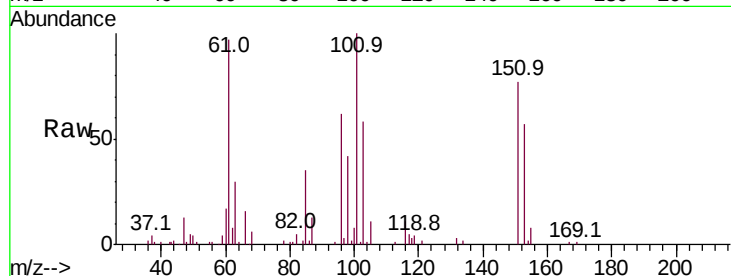
Tot Ion:101 Resp: 65597

Ion Ratio Lower Upper

101 100

85 39.4 33.4 50.0

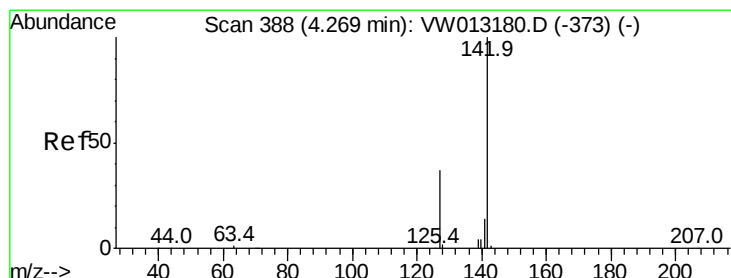
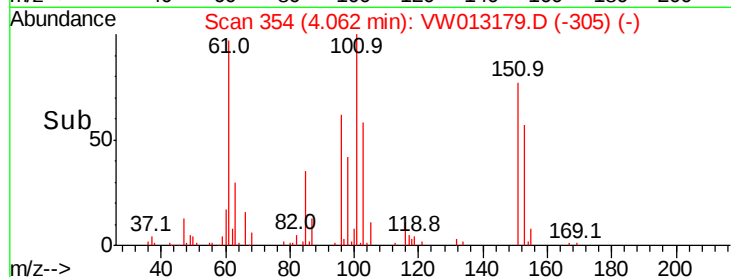
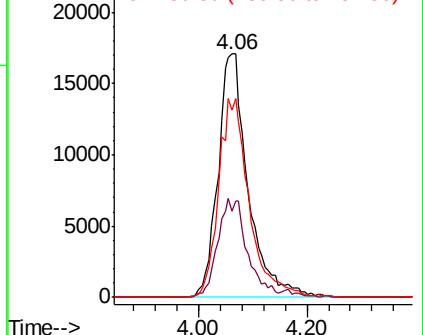
151 83.1 66.9 100.3



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: 26.392 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

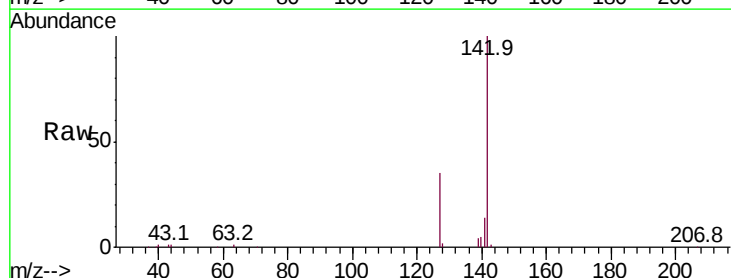
Tgt Ion:142 Resp: 101411

Ion Ratio Lower Upper

142 100

127 38.9 30.9 46.3

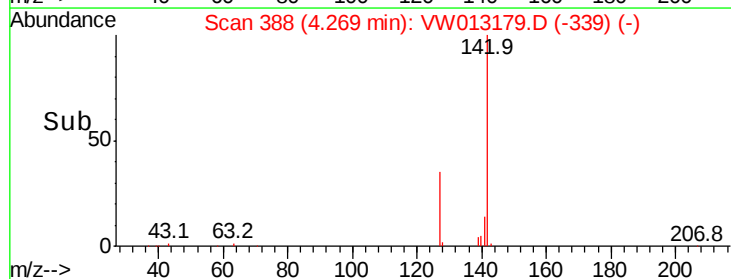
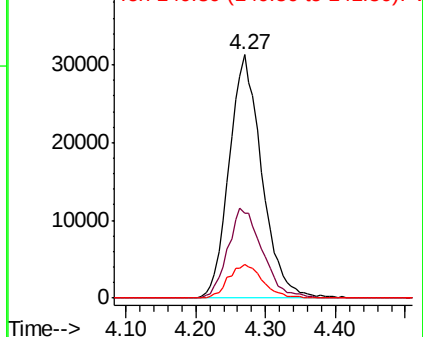
141 14.6 11.7 17.5

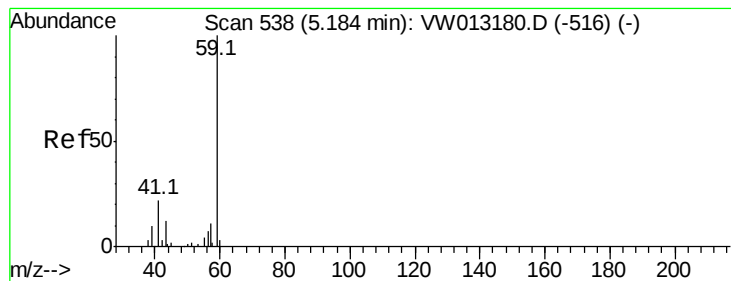


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



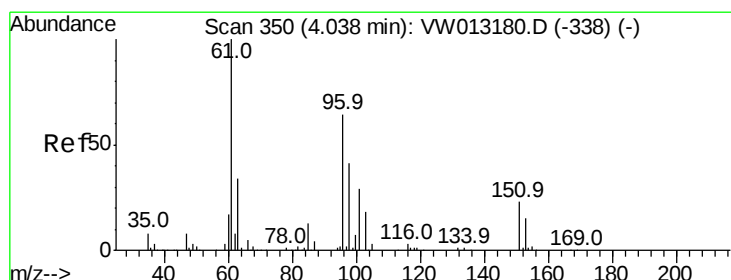
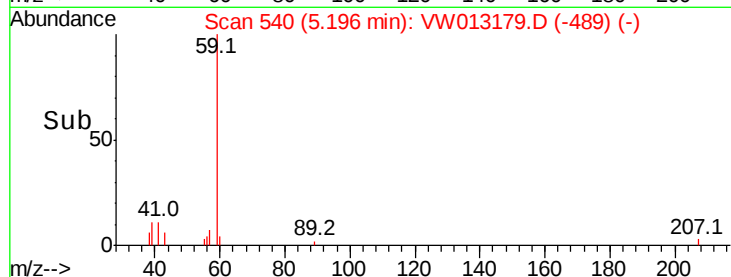
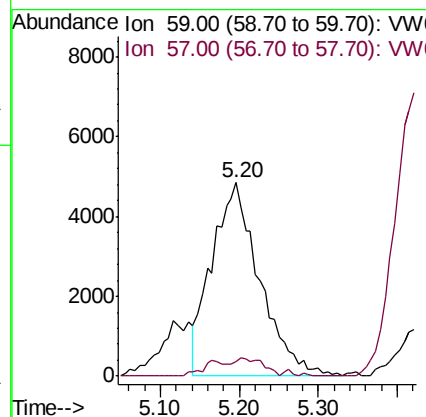
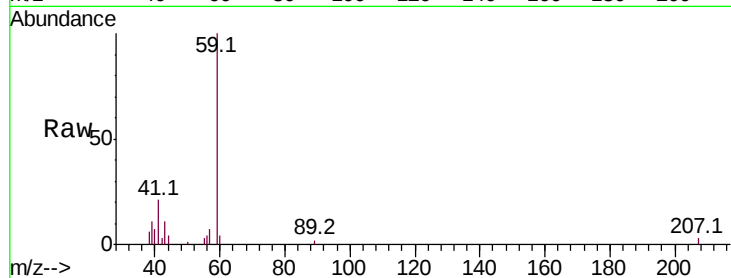


#11

Tert butyl alcohol
Concen: 77.676 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :

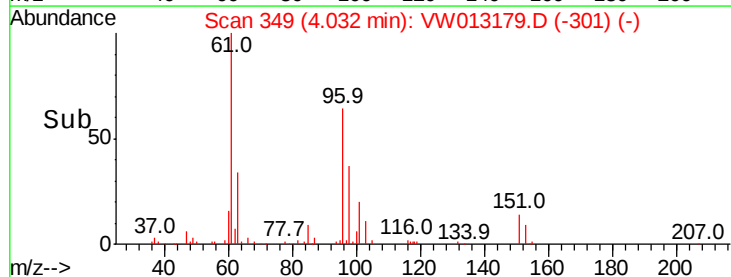
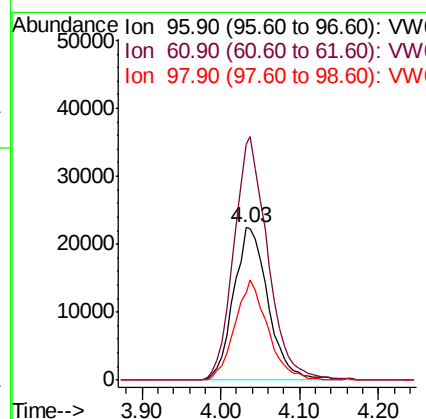
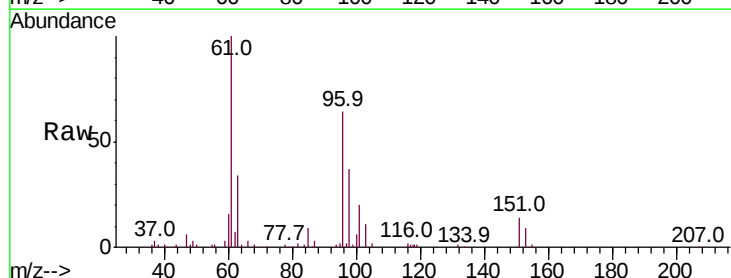
Tot Ion: 59 Resp: 20451
Ion Ratio Lower Upper
59 100
57 5.3 8.2 12.2#

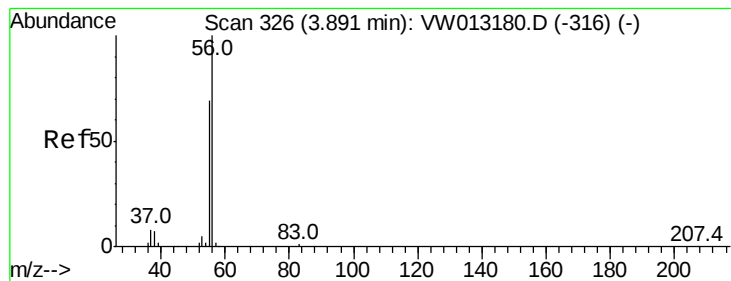


#12

1,1-Dichloroethene
Concen: 24.949 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 96 Resp: 68345
Ion Ratio Lower Upper
96 100
61 155.1 125.1 187.7
98 57.4 50.8 76.2





#13

Acrolein

Concen: 73.430 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

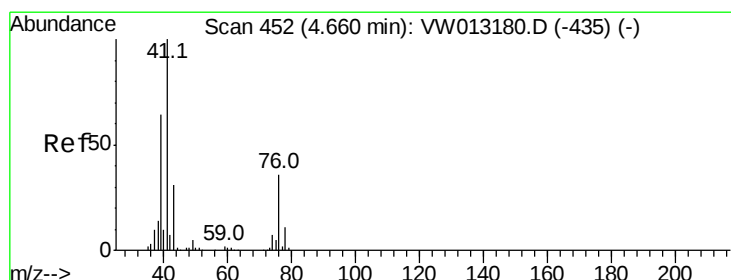
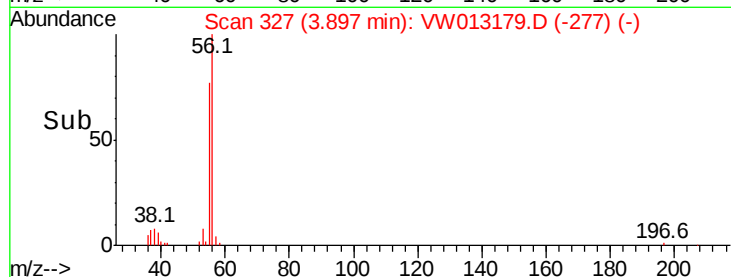
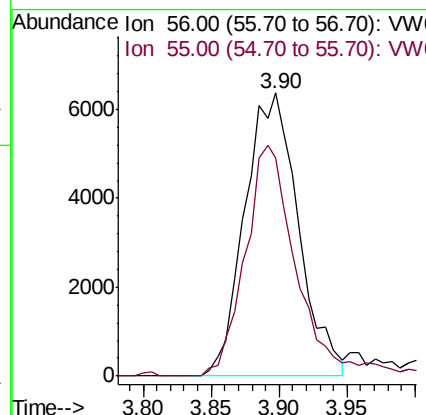
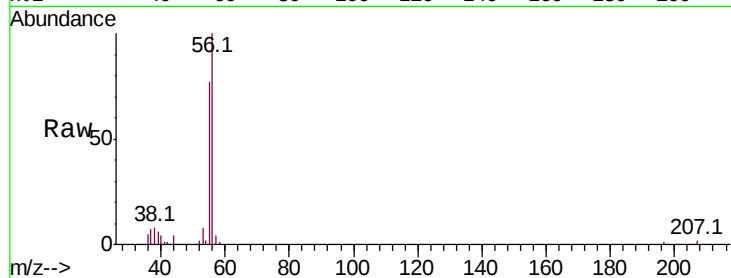
ClientSampleId :

Tot Ion: 56 Resp: 17511

Ion Ratio Lower Upper

56 100

55 78.2 55.4 83.0



#14

Allyl chloride

Concen: 21.147 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

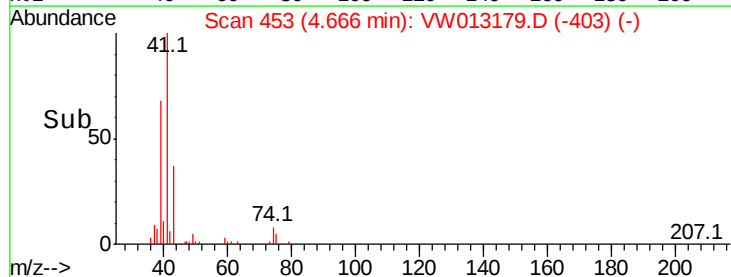
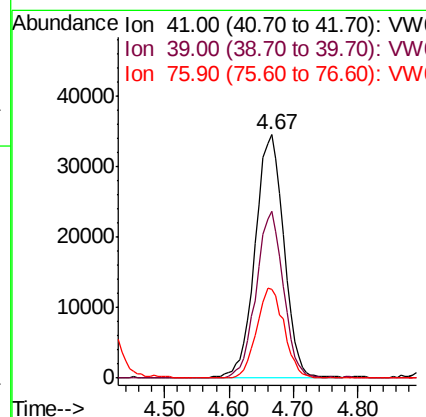
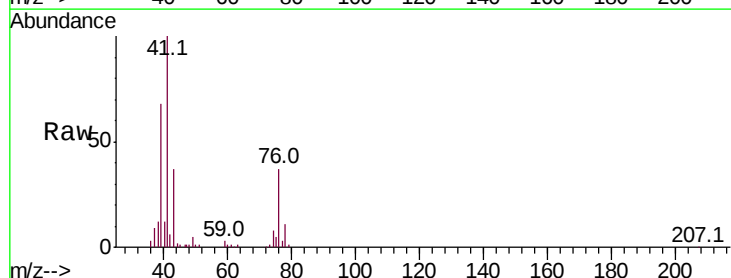
Tgt Ion: 41 Resp: 106227

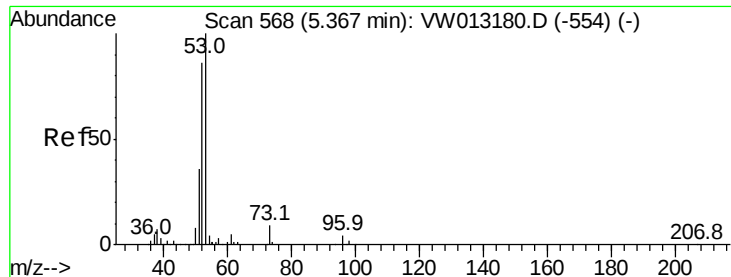
Ion Ratio Lower Upper

41 100

39 64.5 51.0 76.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 99.750 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

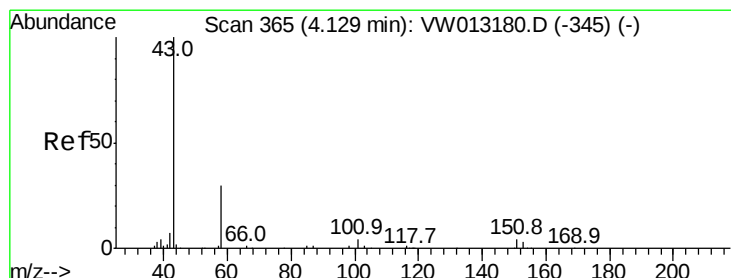
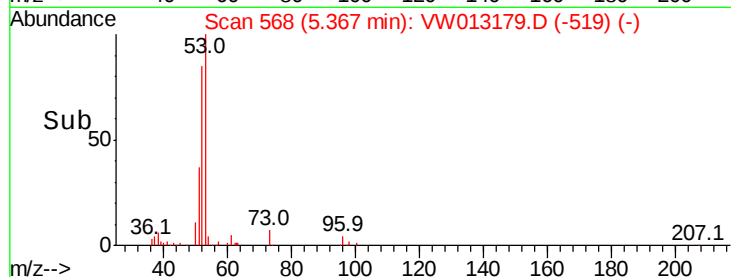
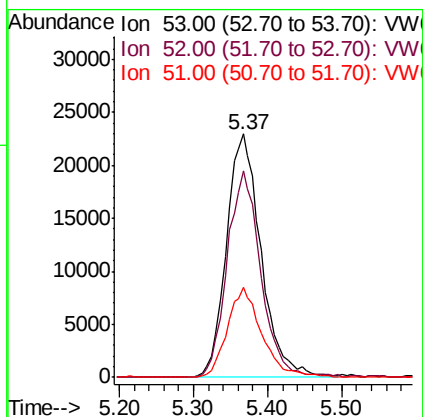
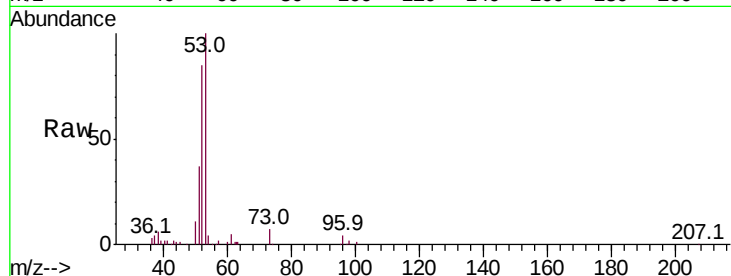
Tot Ion: 53 Resp: 74636

Ion Ratio Lower Upper

53 100

52 82.8 65.3 97.9

51 36.7 29.0 43.4



#16

Acetone

Concen: 77.594 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013179.D

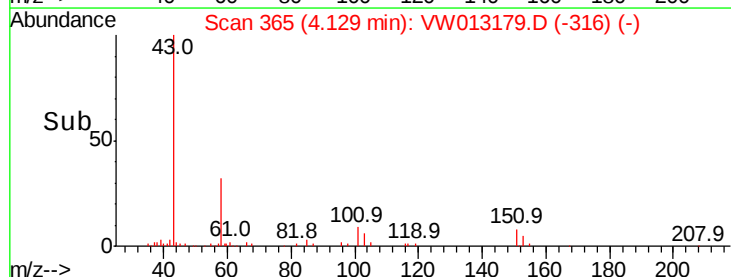
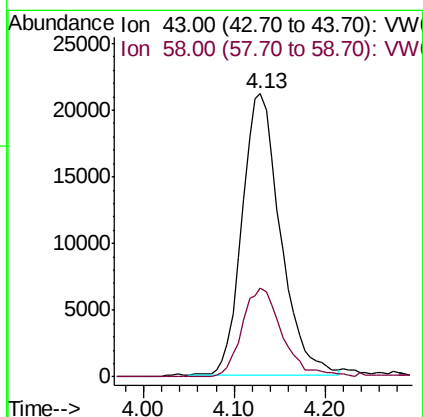
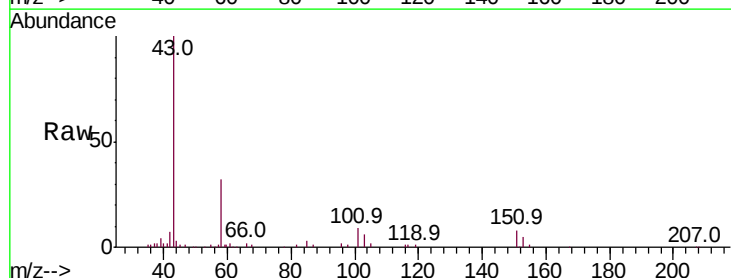
Acq: 20 Sep 2019 13:35

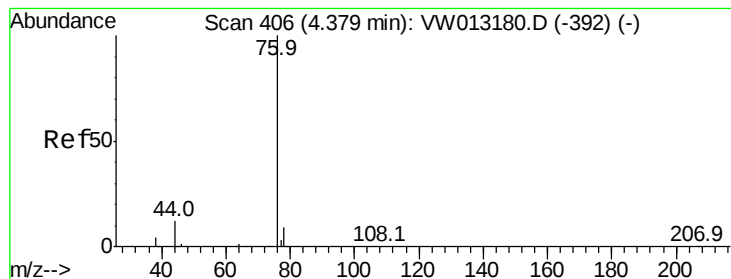
Tgt Ion: 43 Resp: 61813

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1





#17

Carbon Disulfide

Concen: 32.152 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

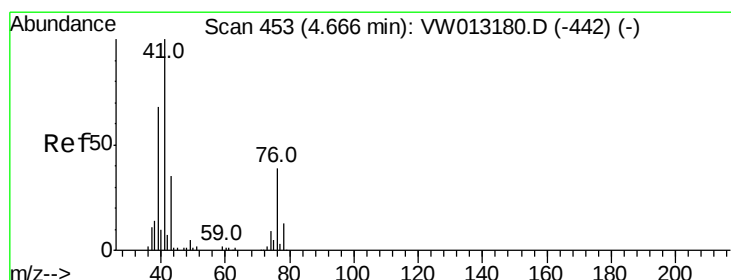
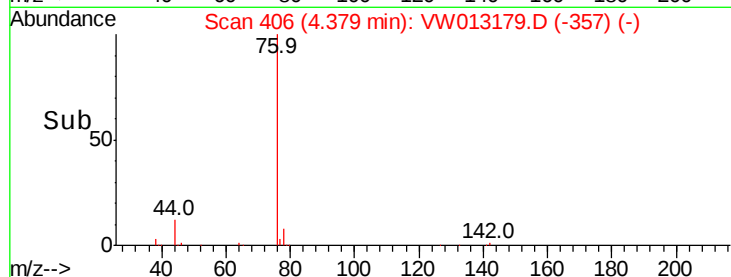
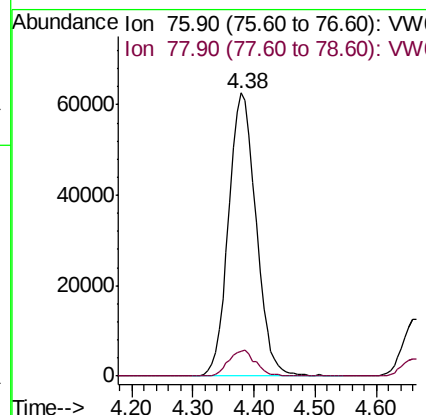
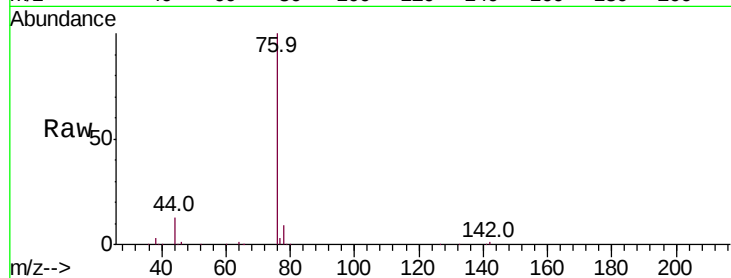
ClientSampleId :

Tot Ion: 76 Resp: 193916

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



#18

Methyl Acetate

Concen: 19.866 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013179.D

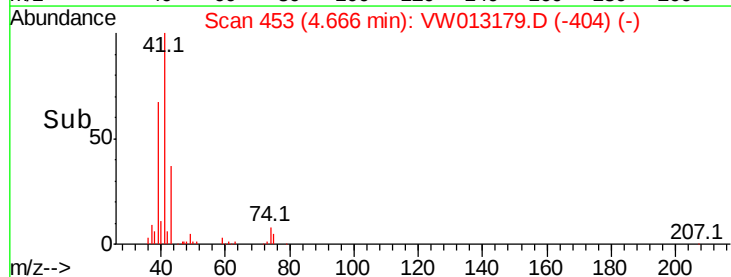
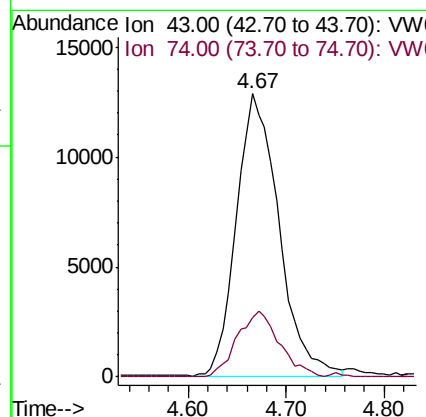
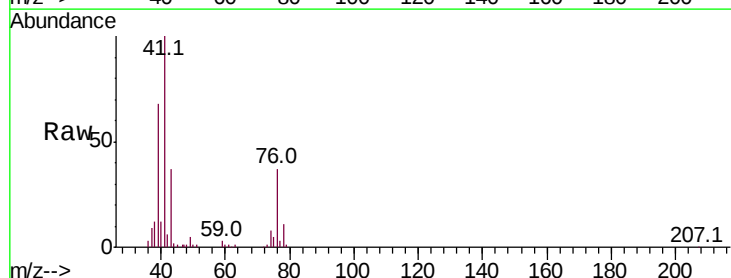
Acq: 20 Sep 2019 13:35

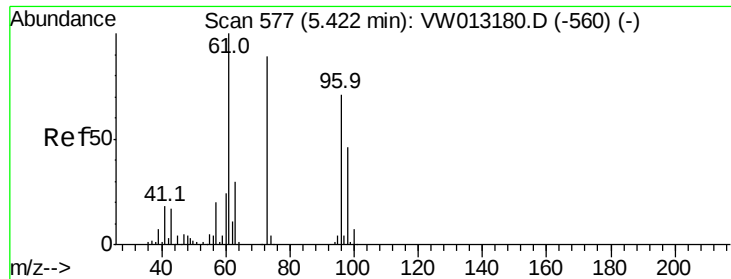
Tgt Ion: 43 Resp: 39082

Ion Ratio Lower Upper

43 100

74 23.1 19.3 28.9

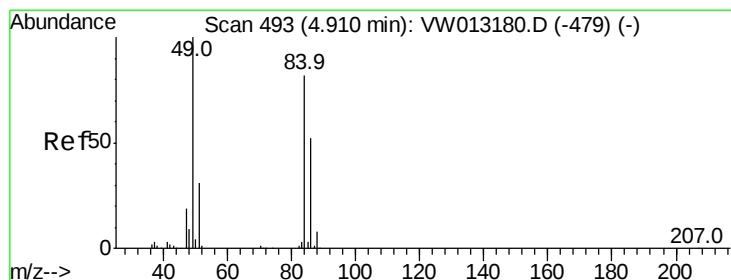
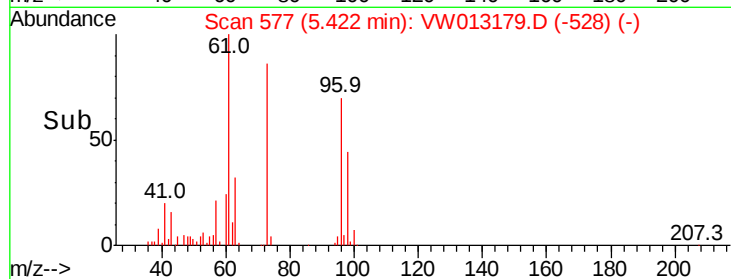
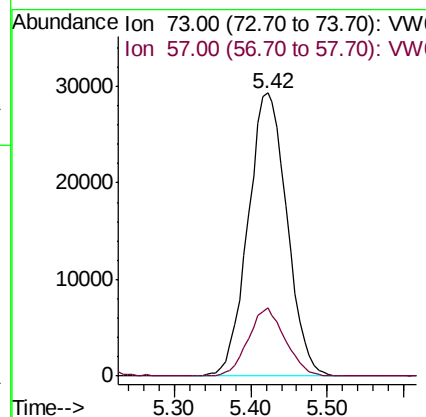
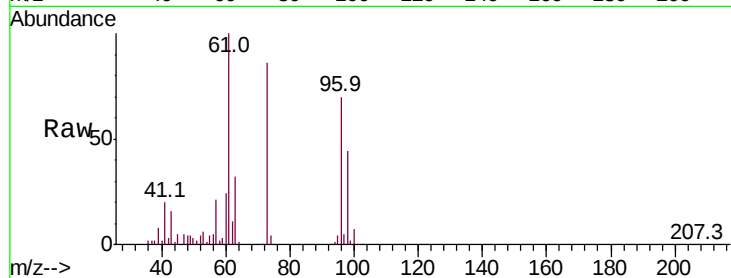




#19
Methvl tert-butvl Ether
Concen: 20.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

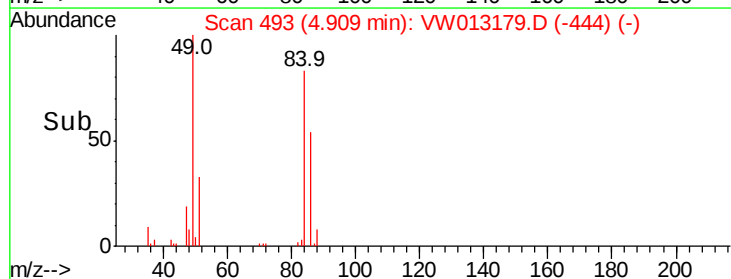
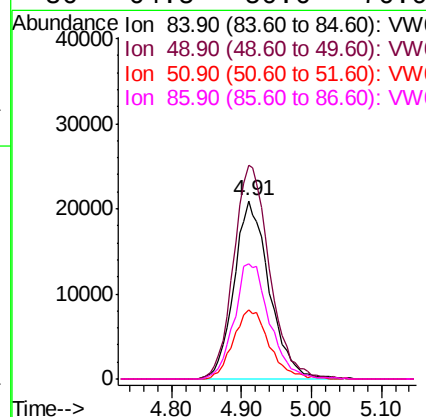
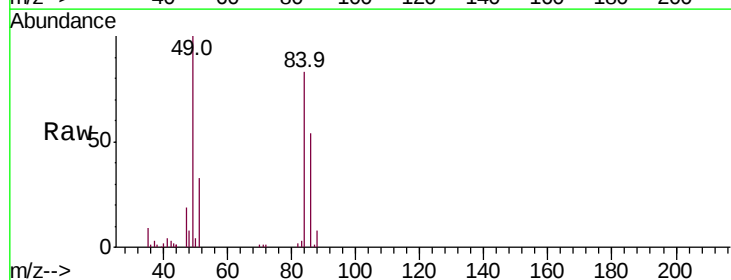
Instrument :
MSVOA_W
ClientSampled :

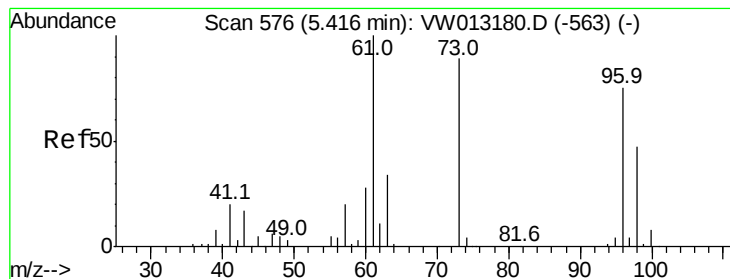
Tot Ion: 73 Resp: 103616
Ion Ratio Lower Upper
73 100
57 24.2 17.6 26.4



#20
Methylene Chloride
Concen: 21.676 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 84 Resp: 73153
Ion Ratio Lower Upper
84 100
49 119.8 97.6 146.4
51 39.0 30.2 45.2
86 64.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 24.703 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

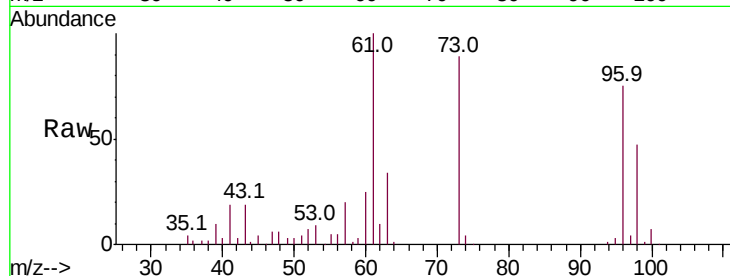
Tot Ion: 96 Resp: 72701

Ion Ratio Lower Upper

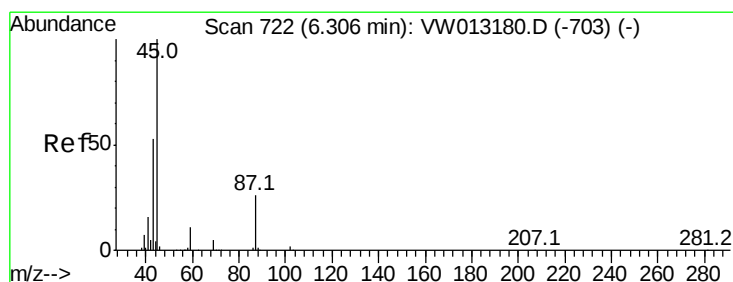
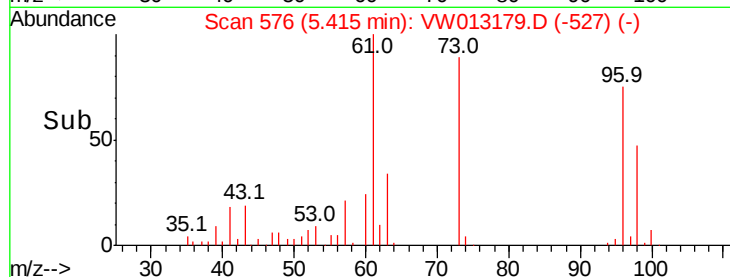
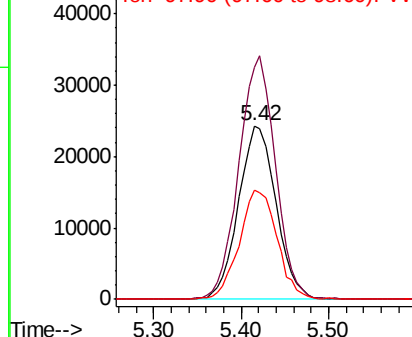
96 100

61 134.1 106.6 159.8

98 63.0 49.8 74.8



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



#22

Diisopropyl ether

Concen: 19.970 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion: 45 Resp: 205183

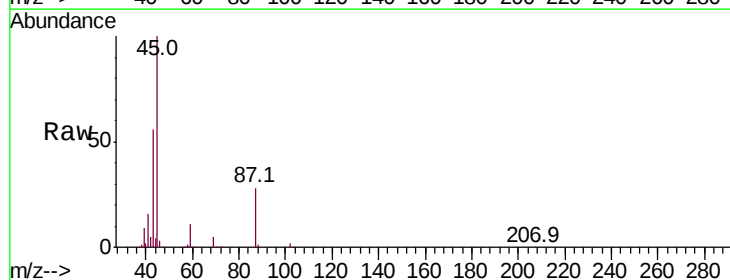
Ion Ratio Lower Upper

45 100

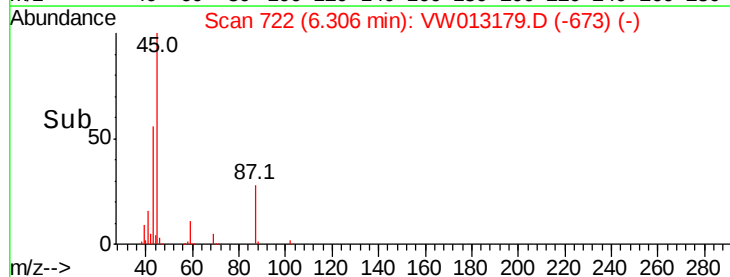
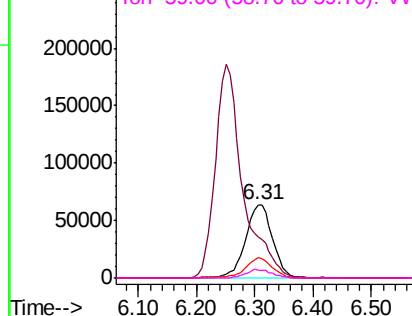
43 55.6 42.4 63.6

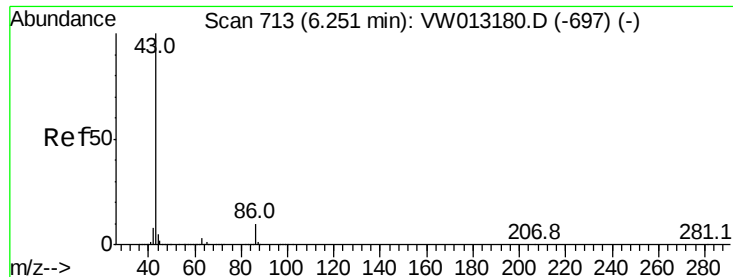
87 27.9 20.4 30.6

59 11.4 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

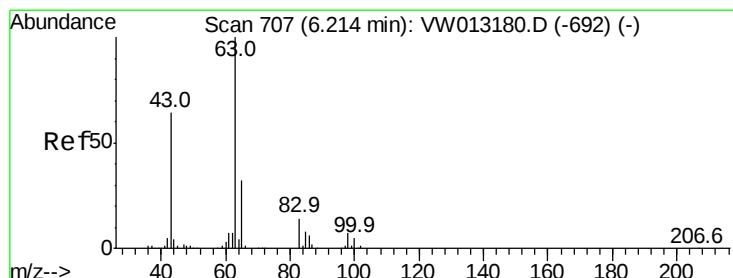
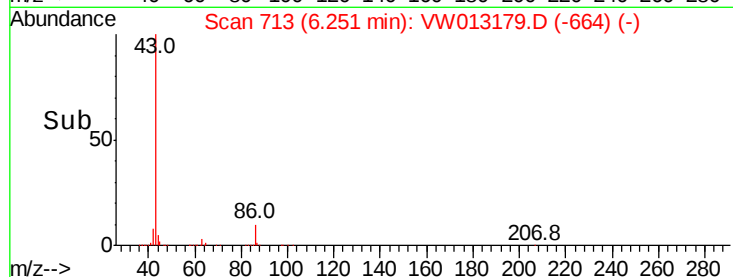
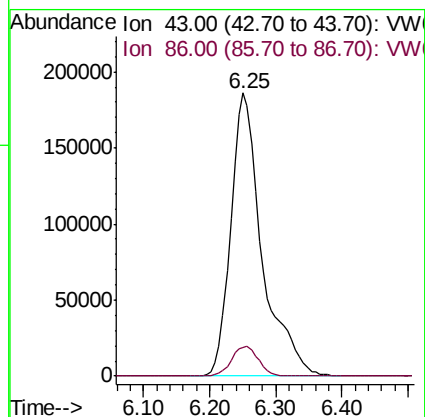
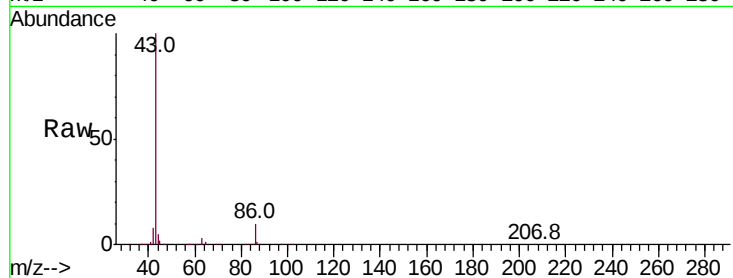




#23
 Vinyl Acetate
 Concen: 99.575 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

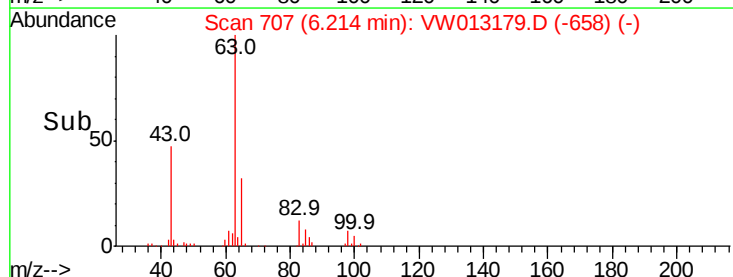
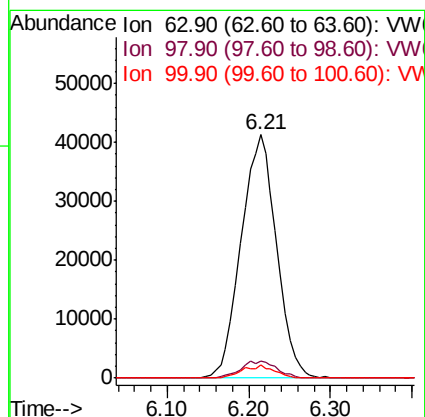
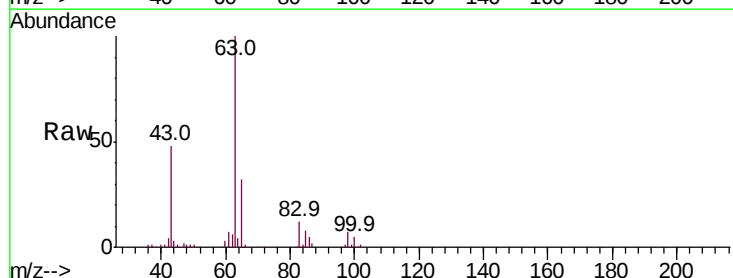
Instrument :
 MSVOA_W
 ClientSampleId :

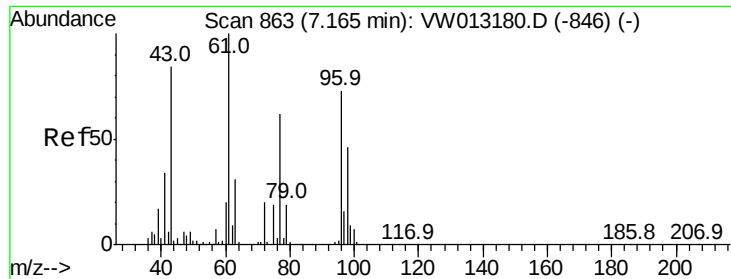
Tot Ion: 43 Resp: 608354
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.693 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 63 Resp: 123845
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 5.5 2.4 7.1





#25

2-Butanone

Concen: 92.259 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

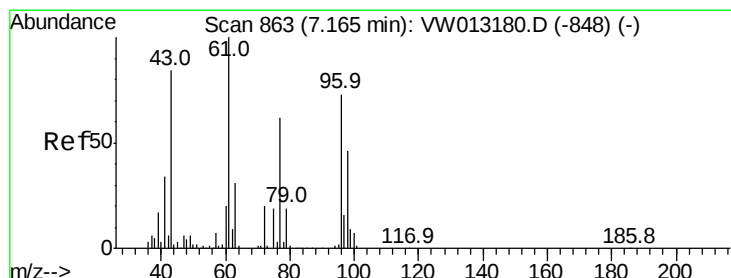
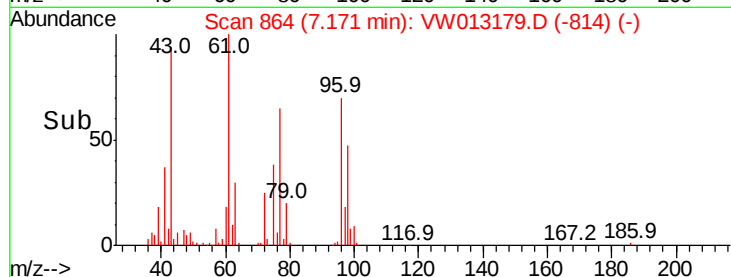
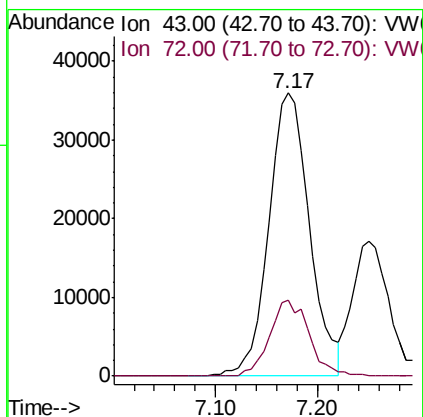
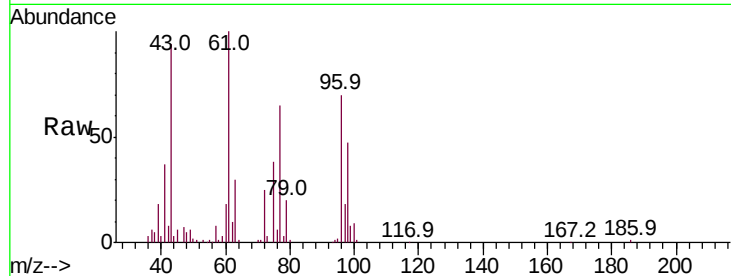
ClientSampled :

Tot Ion: 43 Resp: 99744

Ion Ratio Lower Upper

43 100

72 26.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.237 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013179.D

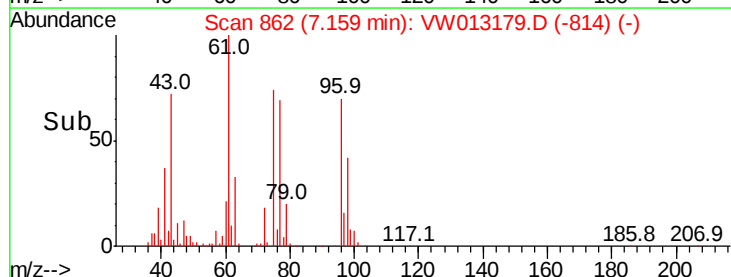
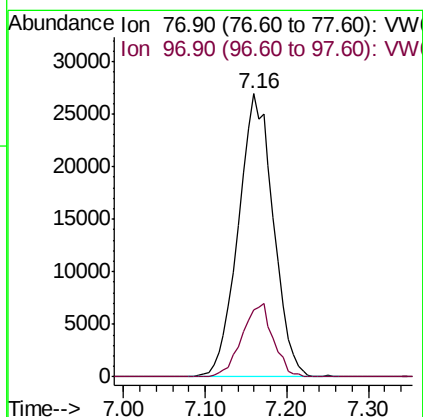
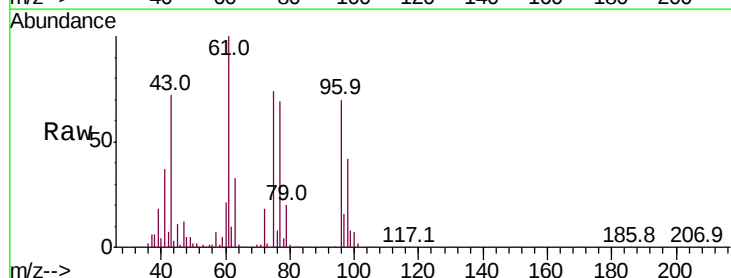
Acq: 20 Sep 2019 13:35

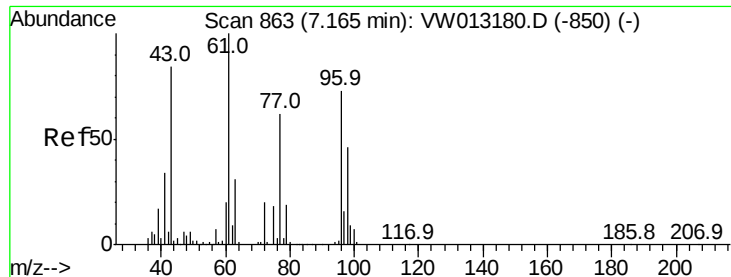
Tgt Ion: 77 Resp: 80362

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4



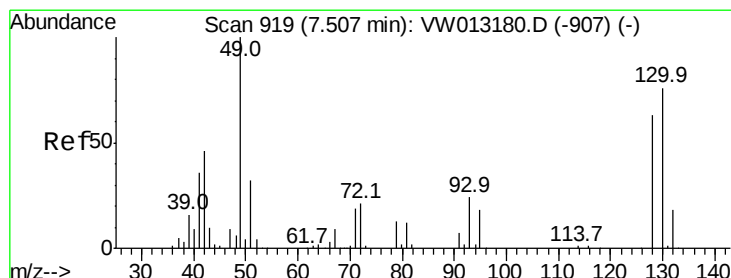
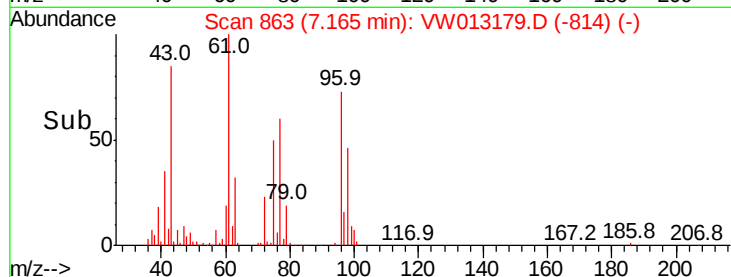
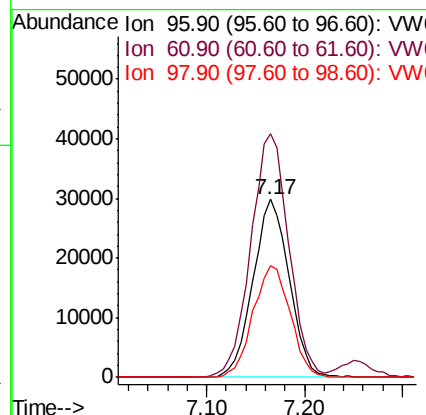
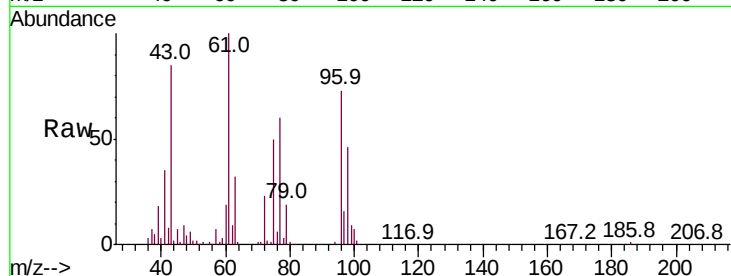


#27

cis-1,2-Dichloroethene
Concen: 22.232 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :

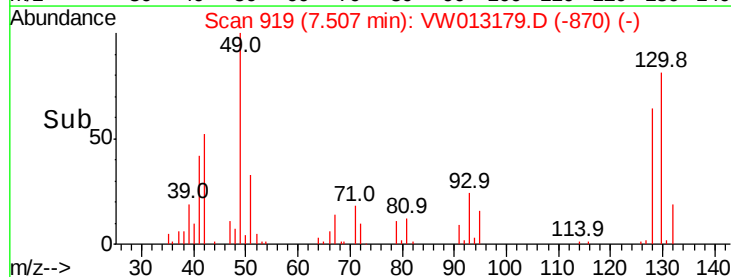
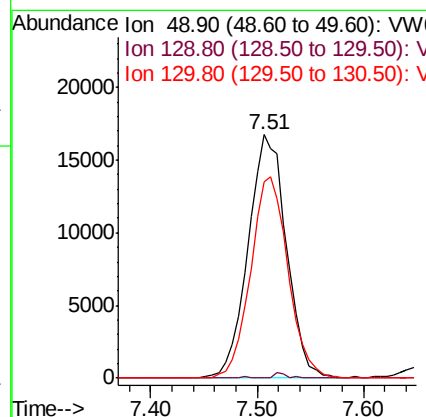
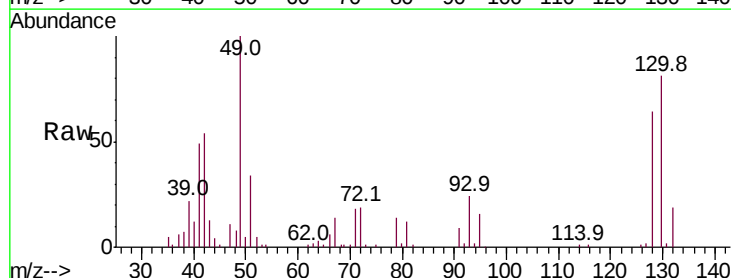
Tot Ion	96	Resp	76575
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	282.4
98	64.6	0.0	128.2

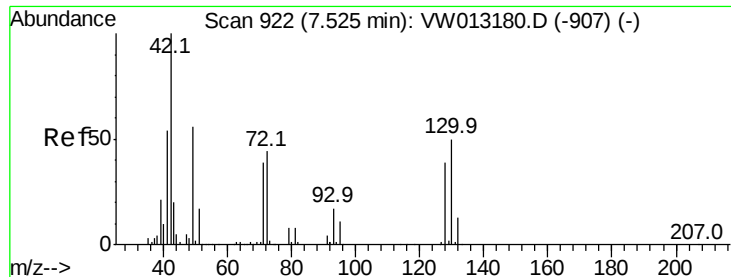


#28

Bromochloromethane
Concen: 16.801 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	49	Resp	42122
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	81.0	63.4	95.2

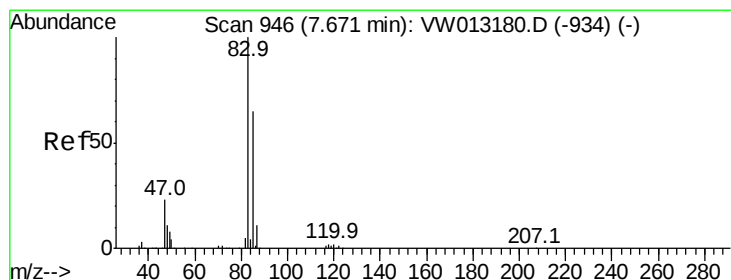
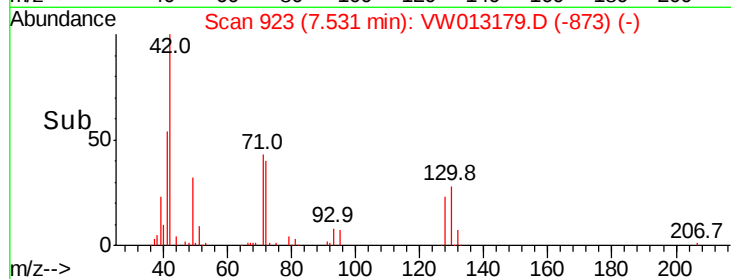
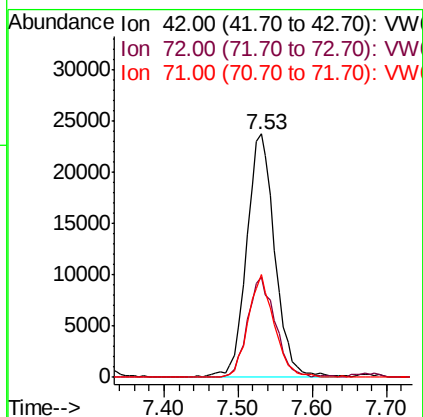
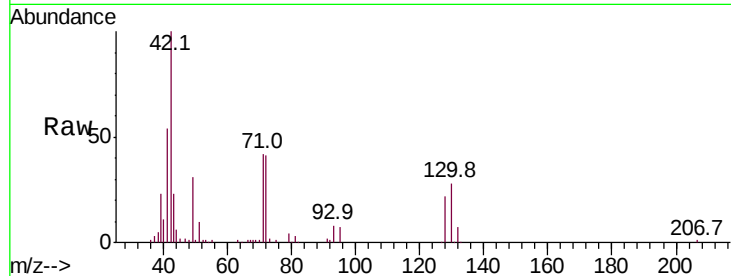




#29
Tetrahydrofuran
Concen: 100.931 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

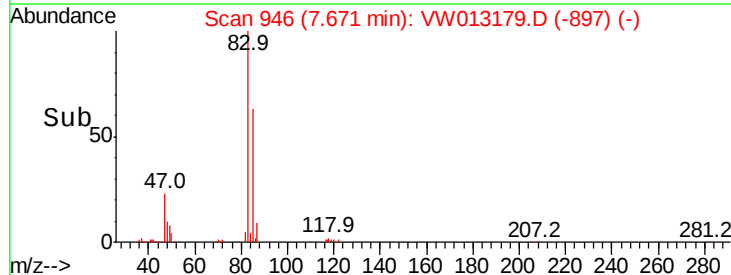
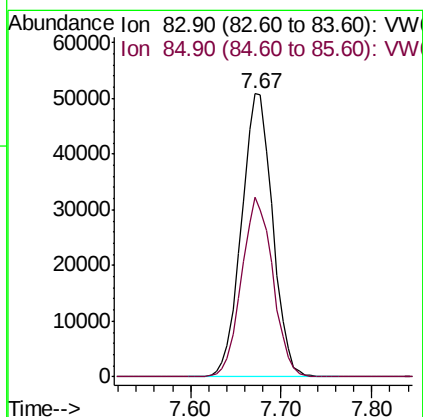
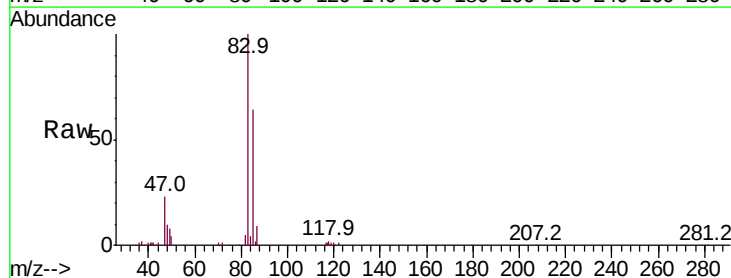
Instrument :
MSVOA_W
ClientSampleId :

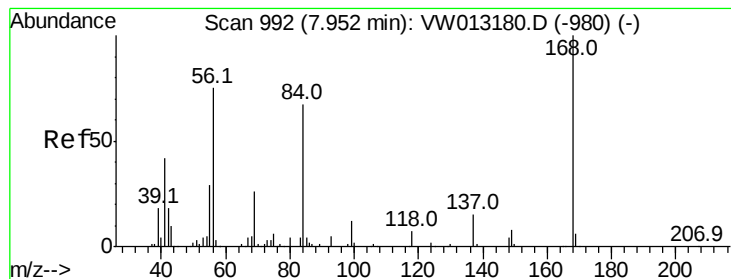
Tot Ion: 42 Resp: 63013
Ion Ratio Lower Upper
42 100
72 40.8 33.9 50.9
71 39.2 31.9 47.9



#30
Chloroform
Concen: 20.085 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 83 Resp: 120711
Ion Ratio Lower Upper
83 100
85 63.6 52.3 78.5





#31

Cyclohexane

Concen: 24.144 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

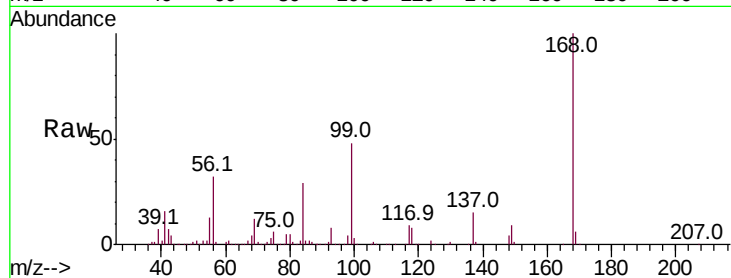
Tot Ion: 56 Resp: 128317

Ion Ratio Lower Upper

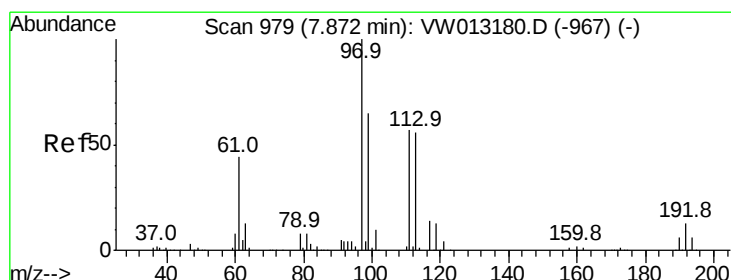
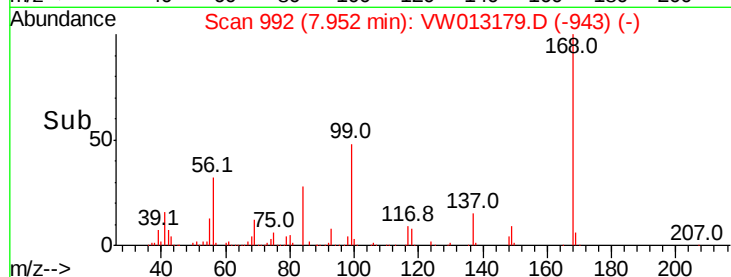
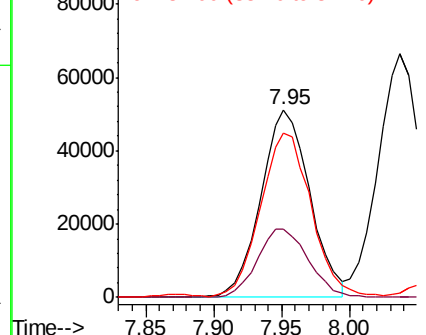
56 100

69 36.5 27.2 40.8

84 87.0 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: 19.924 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

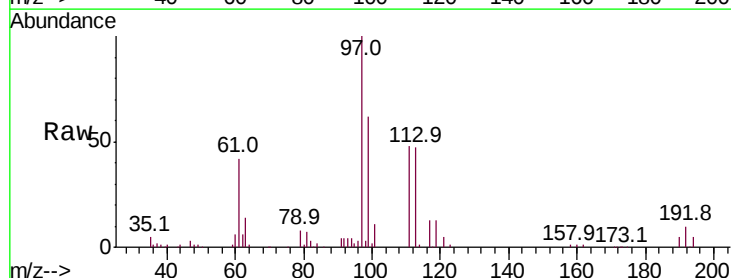
Tgt Ion: 97 Resp: 98770

Ion Ratio Lower Upper

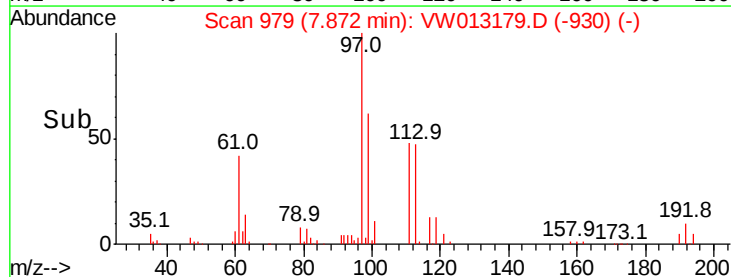
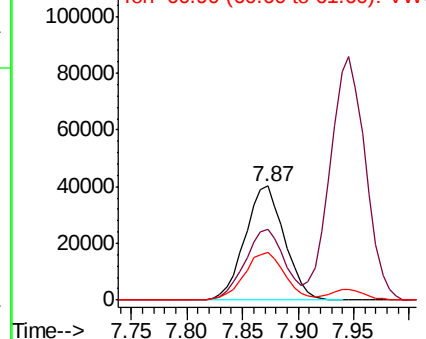
97 100

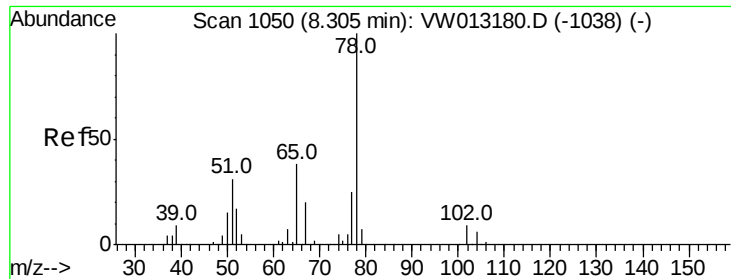
99 62.8 51.7 77.5

61 43.1 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

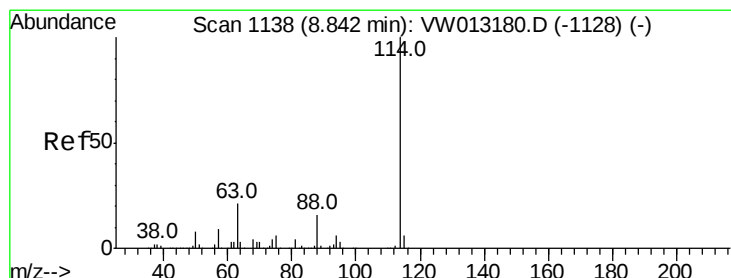
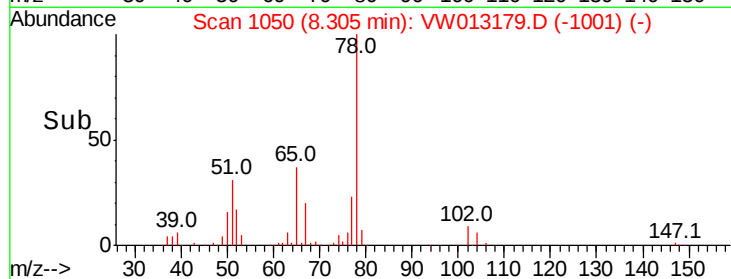
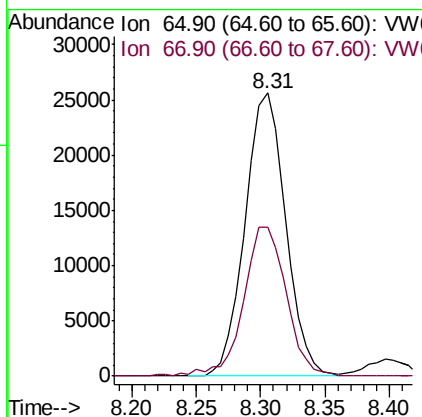
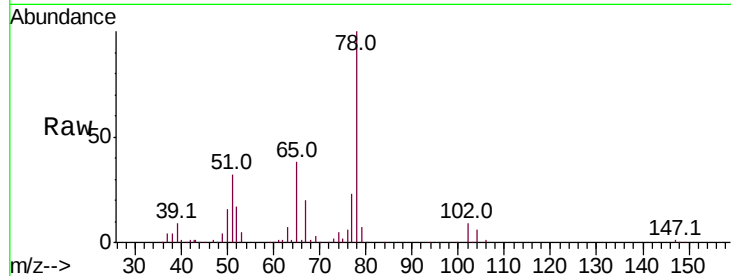




#33
 1,2-Dichloroethane-d4
 Concen: 16.555 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

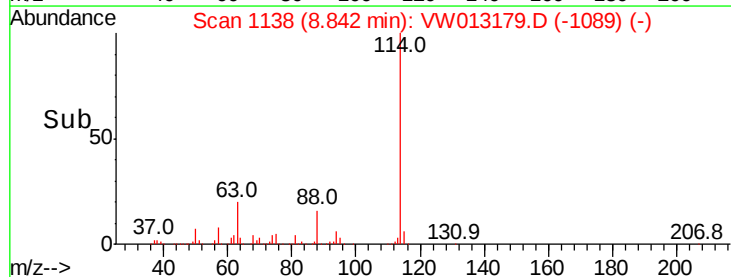
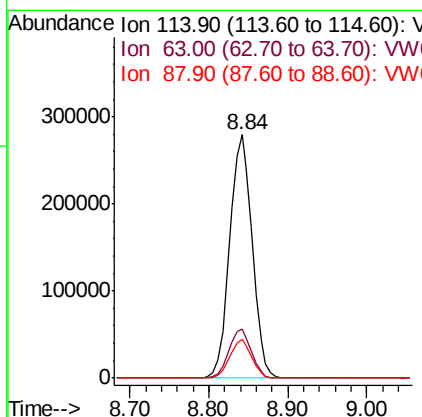
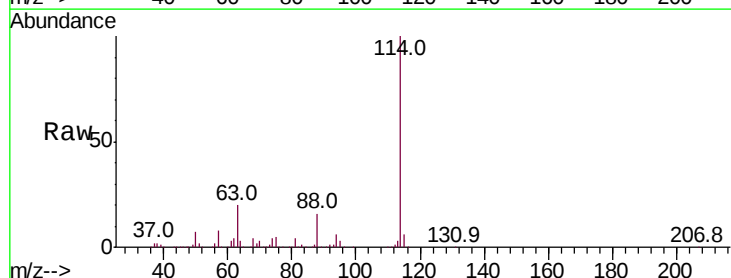
Instrument :
 MSVOA_W
 ClientSampleId :

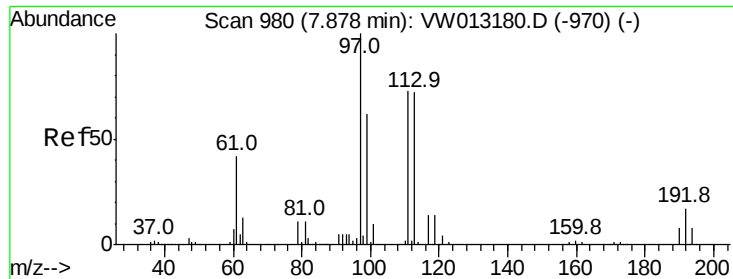
Tot Ion: 65 Resp: 56001
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 114 Resp: 550978
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 16.0 0.0 32.0

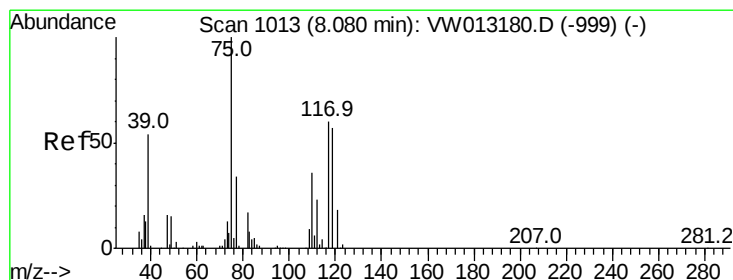
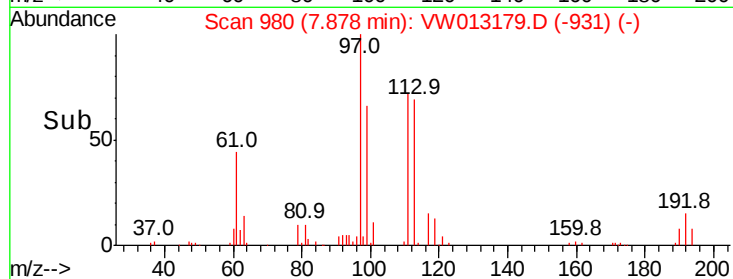
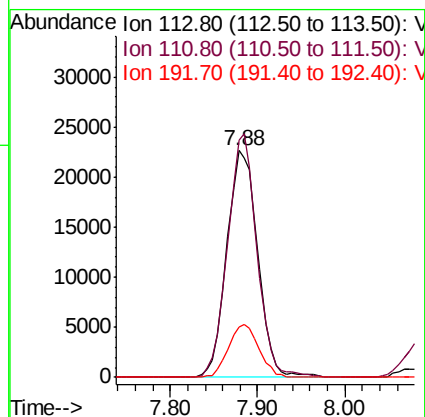
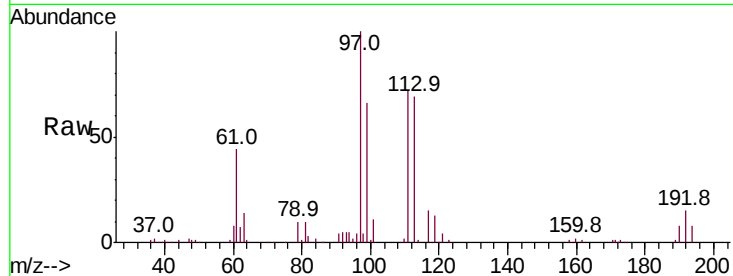




#35
 Dibromofluoromethane
 Concen: 18.733 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

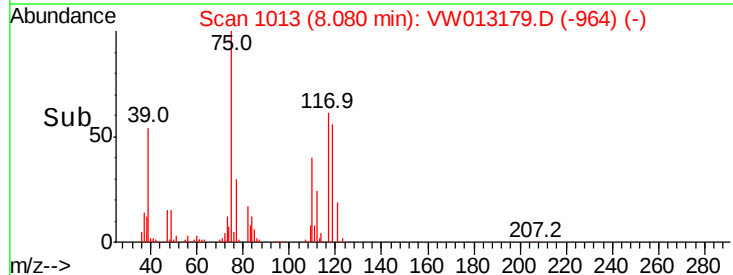
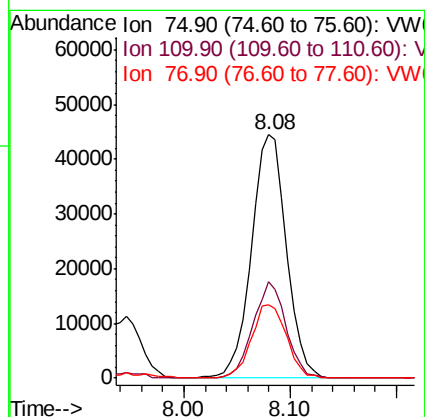
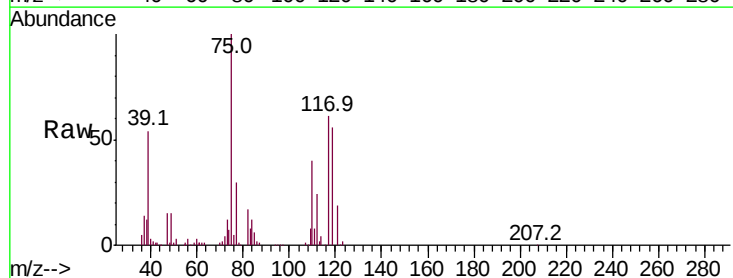
Instrument :
 MSVOA_W
 ClientSampleId :

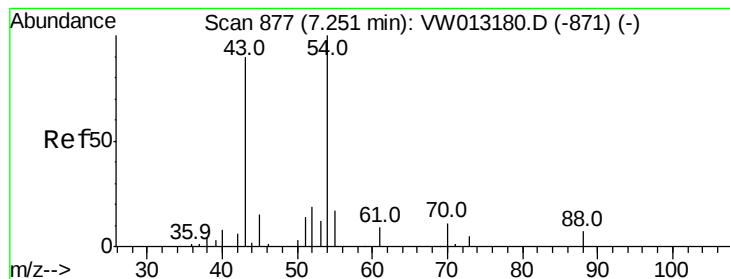
Tot Ion:113 Resp: 55809
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 22.9 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 22.610 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 75 Resp: 102716
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.1 54.3
 77 30.4 25.8 38.6





#37

Ethyl Acetate

Concen: 18.673 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

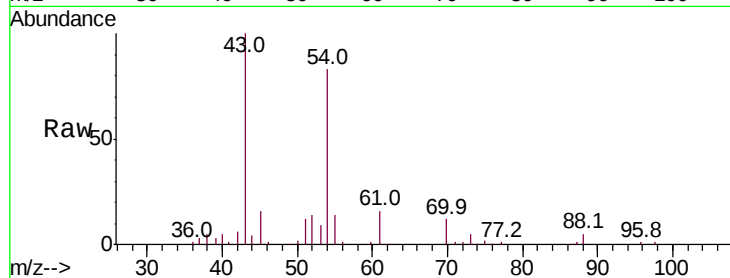
Tot Ion: 43 Resp: 43158

Ion Ratio Lower Upper

43 100

61 15.8 10.9 16.3

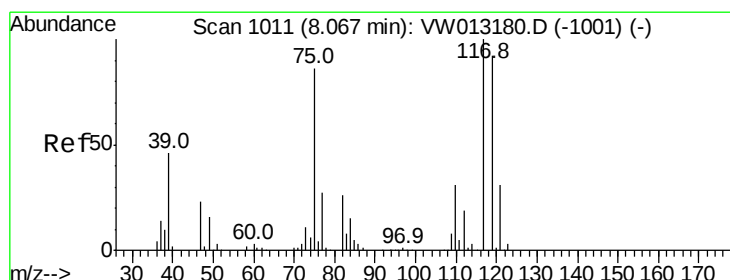
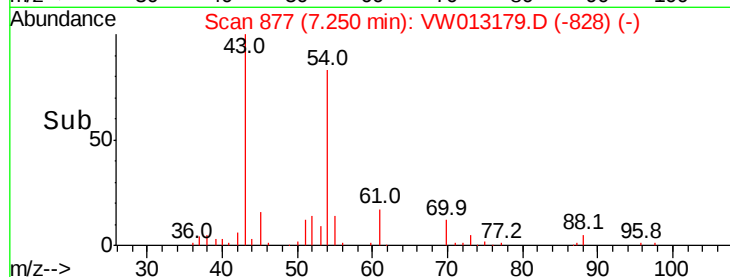
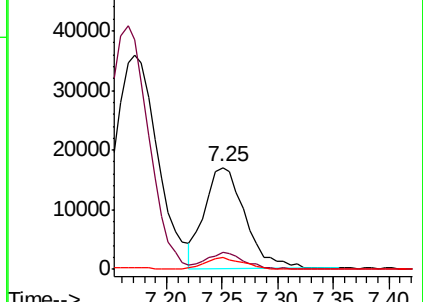
70 11.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 20.032 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

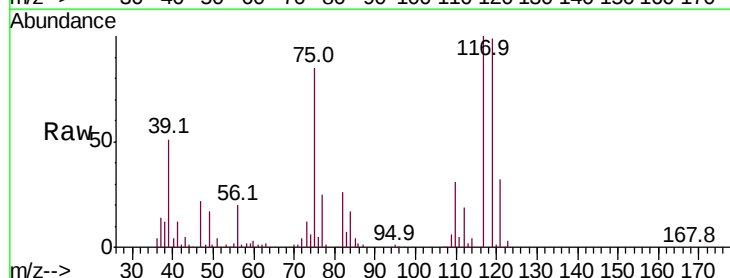
Tgt Ion: 117 Resp: 91219

Ion Ratio Lower Upper

117 100

119 99.0 73.5 110.3

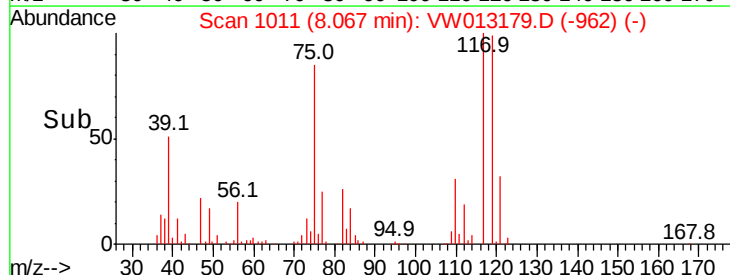
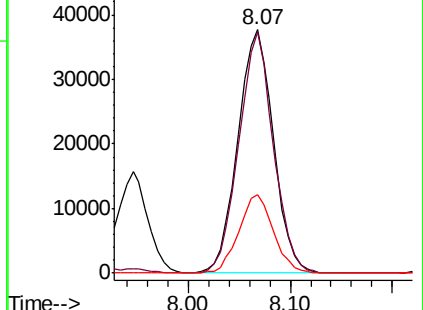
121 32.0 25.0 37.6

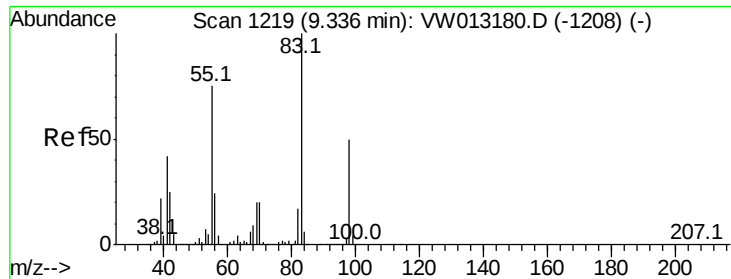


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

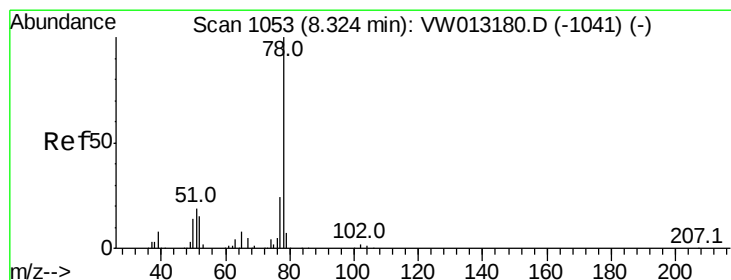
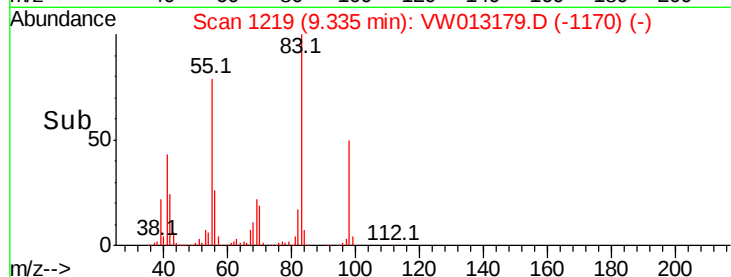
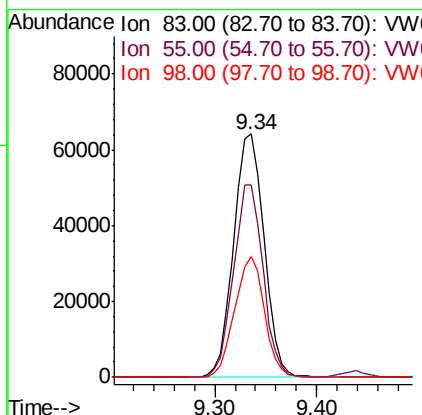
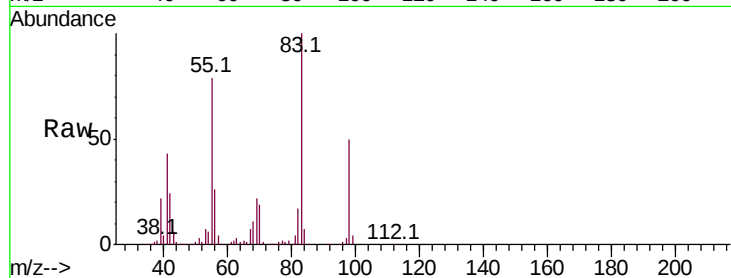




#39
Methvlcvclohexane
Concen: 25.672 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

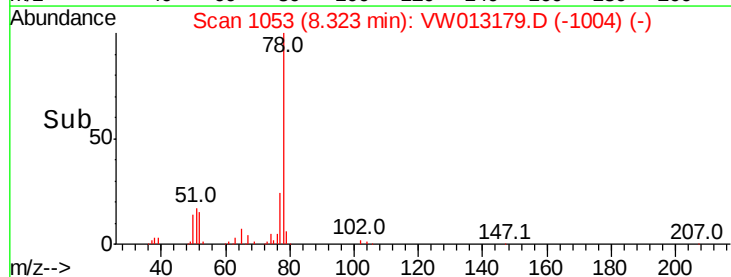
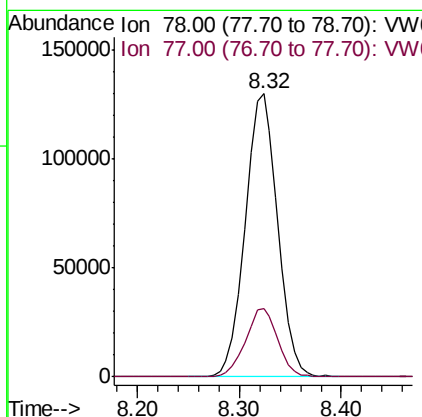
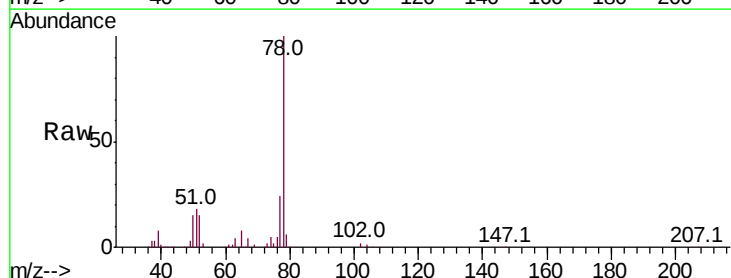
Instrument :
MSVOA_W
ClientSampleId :

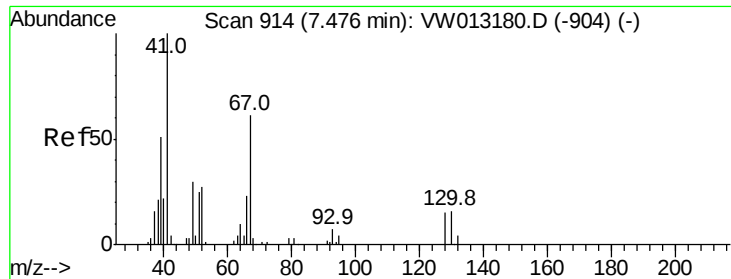
Tot Ion	83	Resp	132947
Ion	Ratio	Lower	Upper
83	100		
55	78.8	60.4	90.6
98	49.5	40.0	60.0



#40
Benzene
Concen: 22.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	78	Resp	287576
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 17.230 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 25949

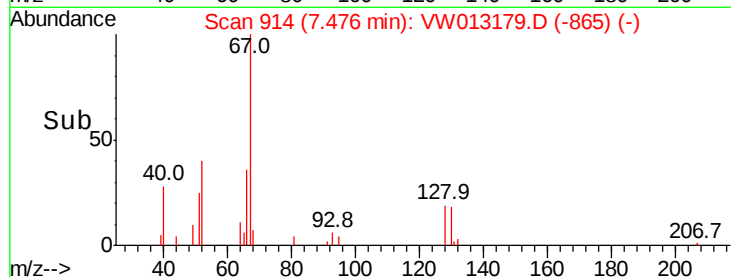
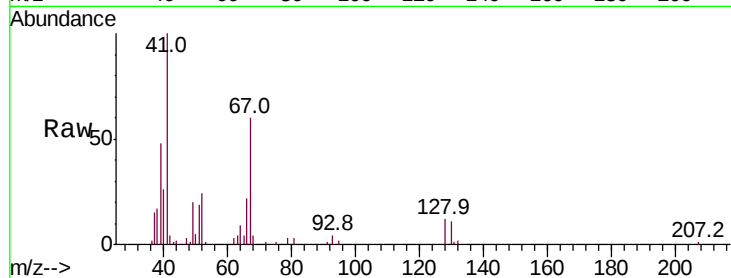
Ion Ratio Lower Upper

41 100

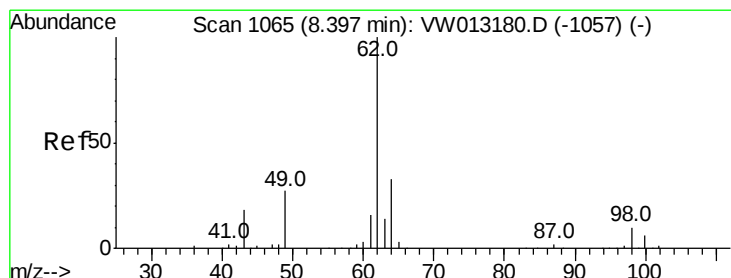
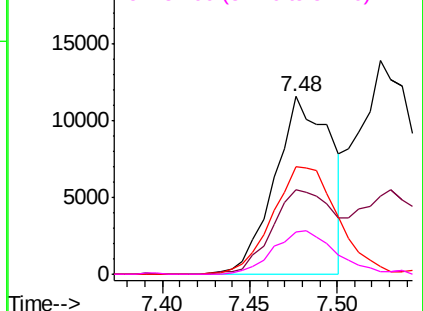
39 55.9 45.9 68.9

67 70.8 54.5 81.7

52 27.6 22.5 33.7



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



#42

1,2-Dichloroethane

Concen: 18.467 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013179.D

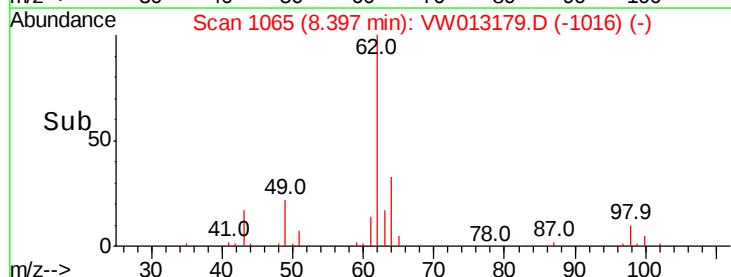
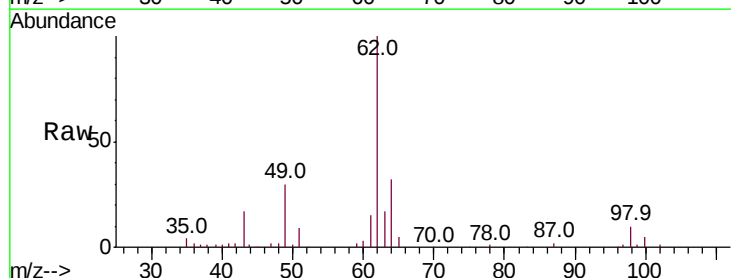
Acq: 20 Sep 2019 13:35

Tgt Ion: 62 Resp: 75503

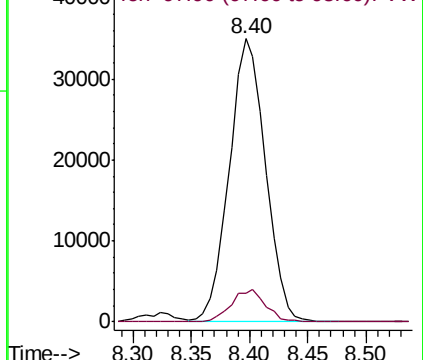
Ion Ratio Lower Upper

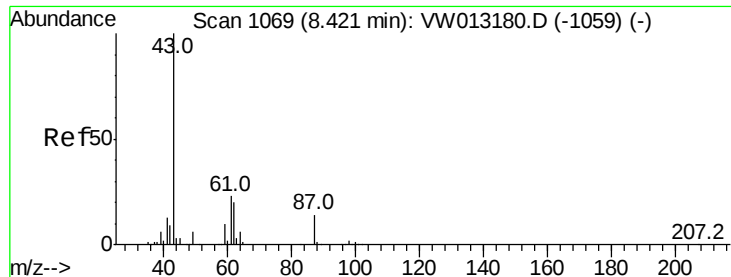
62 100

98 10.8 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 18.524 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :

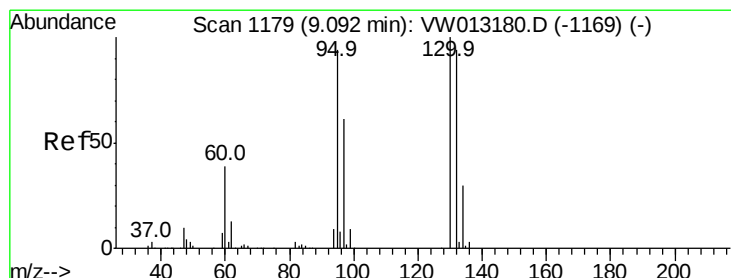
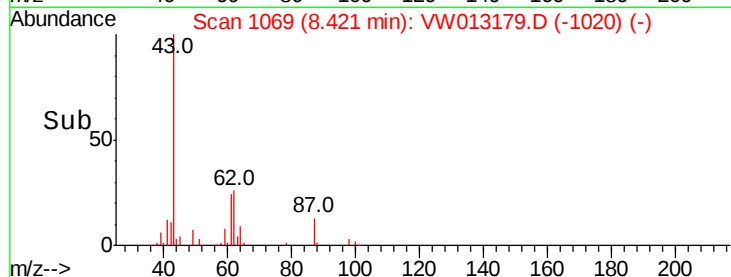
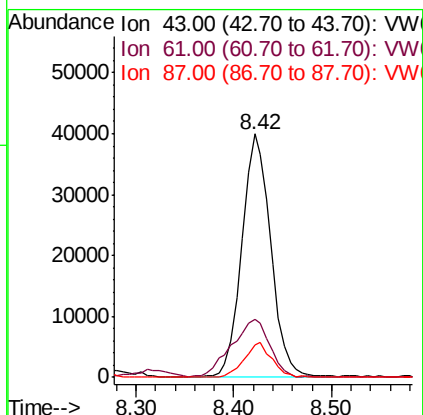
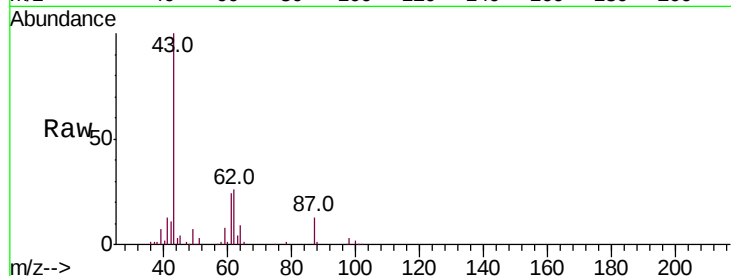
Tot Ion: 43 Resp: 81944

Ion Ratio Lower Upper

43 100

61 31.6 25.5 38.3

87 13.5 11.0 16.4



#44

Trichloroethene

Concen: 22.737 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013179.D

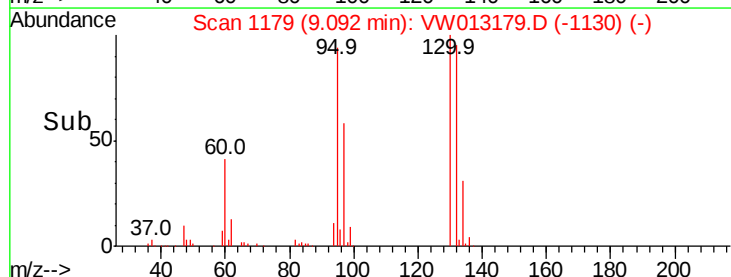
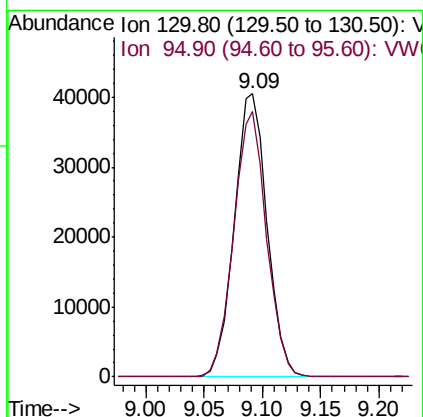
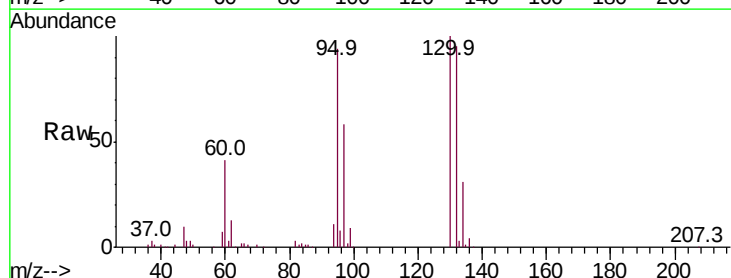
Acq: 20 Sep 2019 13:35

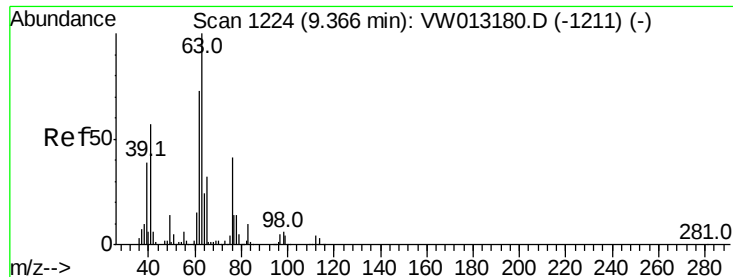
Tgt Ion: 130 Resp: 79522

Ion Ratio Lower Upper

130 100

95 93.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.761 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

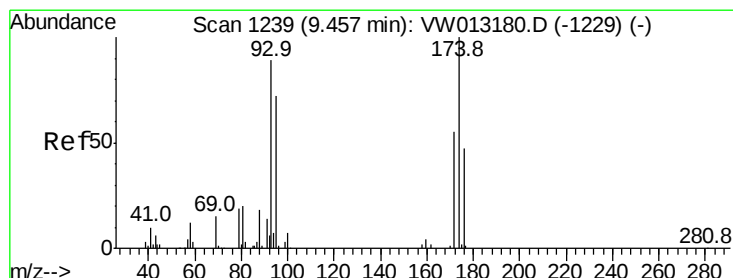
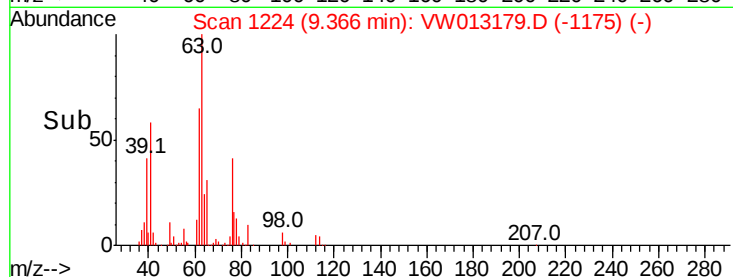
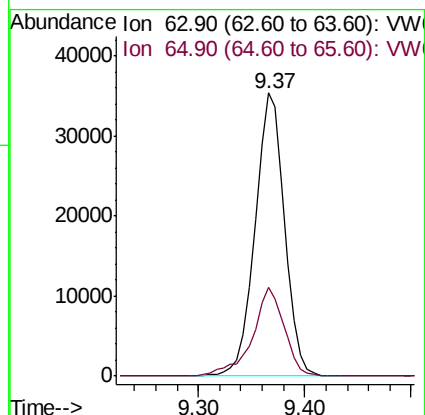
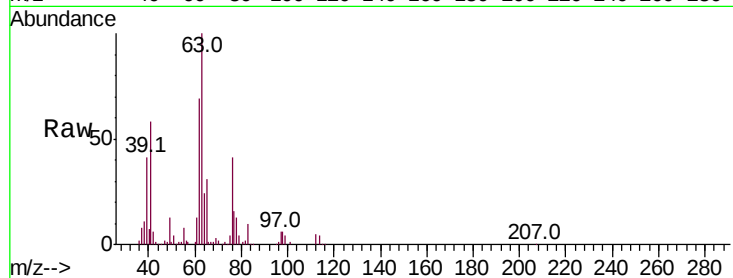
ClientSampleId :

Tot Ion: 63 Resp: 68682

Ion Ratio Lower Upper

63 100

65 31.4 25.3 37.9



#46

Dibromomethane

Concen: 21.095 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

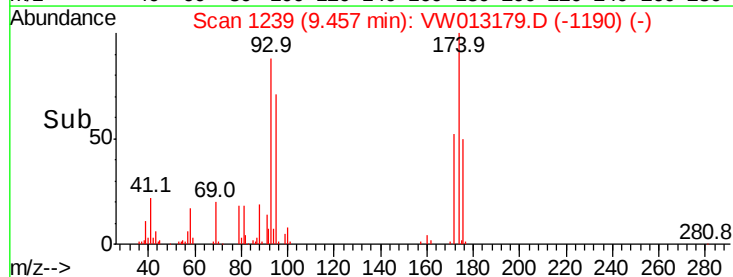
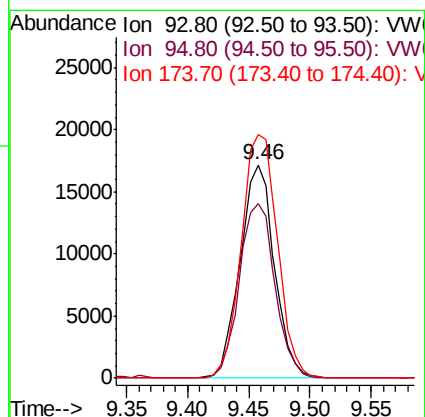
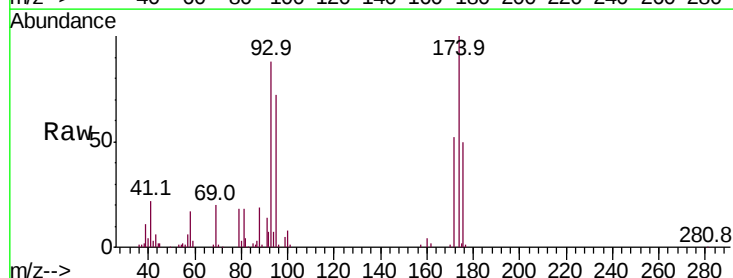
Tgt Ion: 93 Resp: 33516

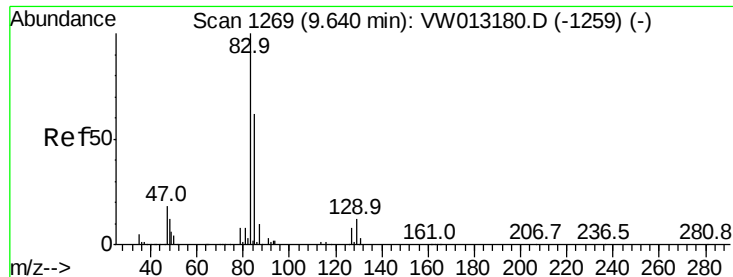
Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

174 120.3 93.0 139.6





#47

Bromodichloromethane

Concen: 19.112 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

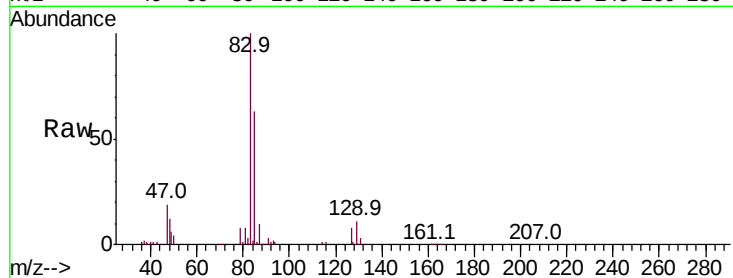
Tot Ion: 83 Resp: 83720

Ion Ratio Lower Upper

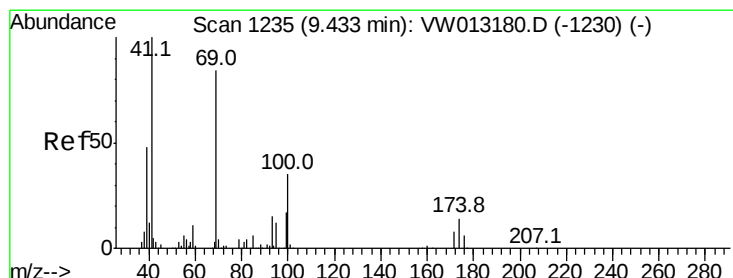
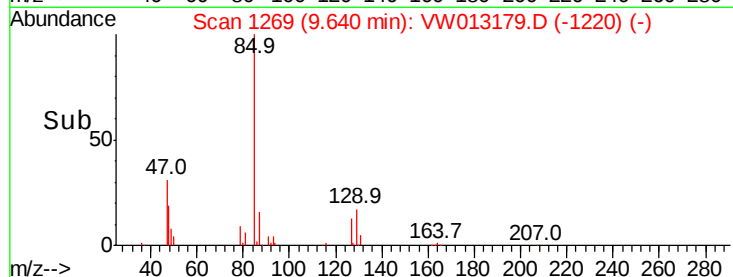
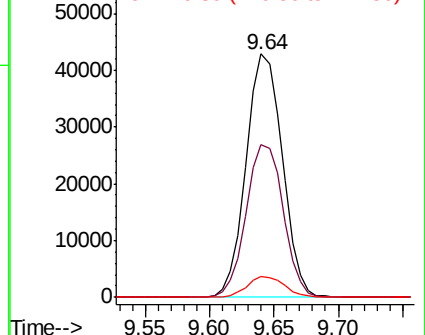
83 100

85 62.7 49.4 74.2

127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.168 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

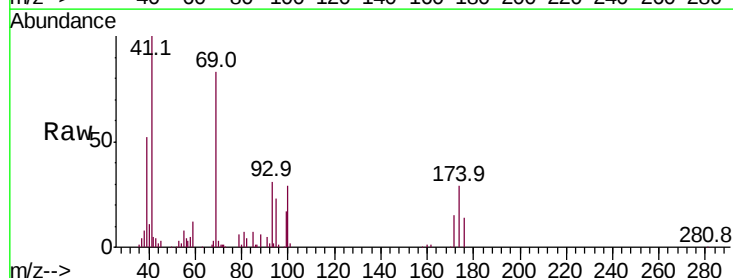
Tgt Ion: 41 Resp: 37803

Ion Ratio Lower Upper

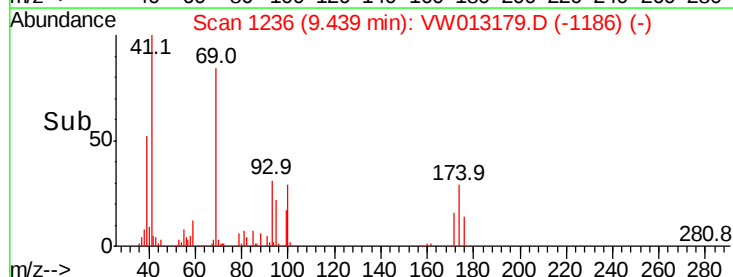
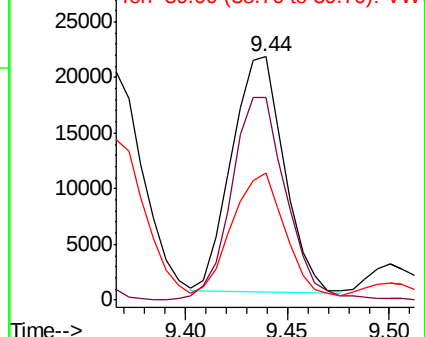
41 100

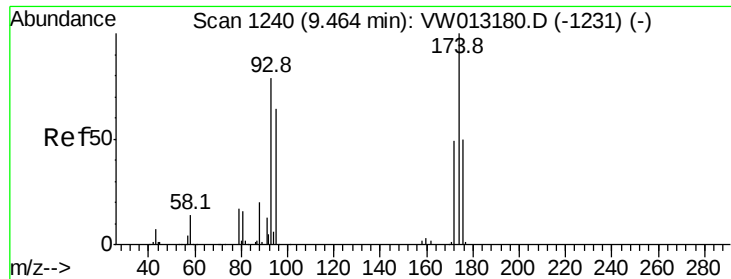
69 90.4 69.7 104.5

39 51.9 41.1 61.7



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

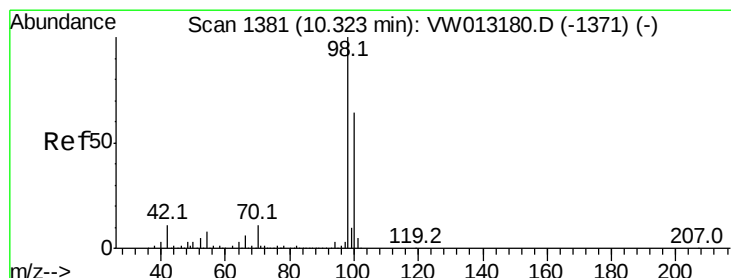
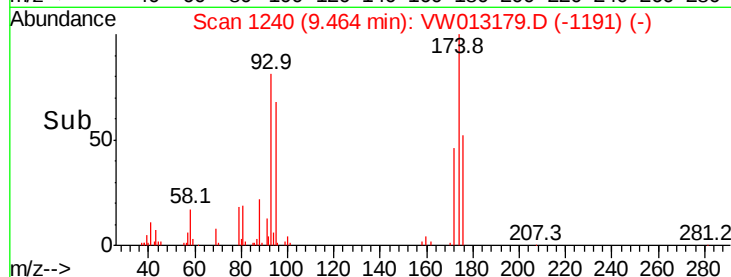
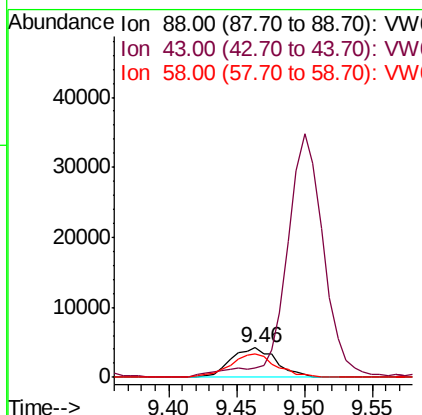
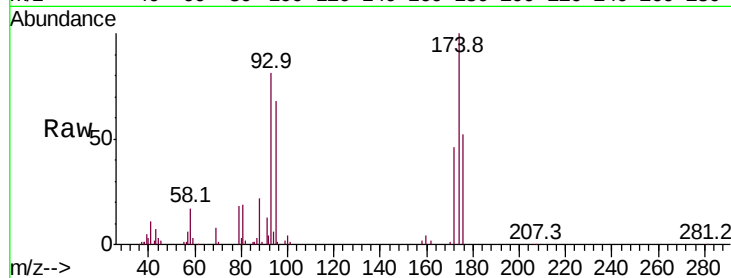




#49
1,4-Dioxane
Concen: 387.017 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

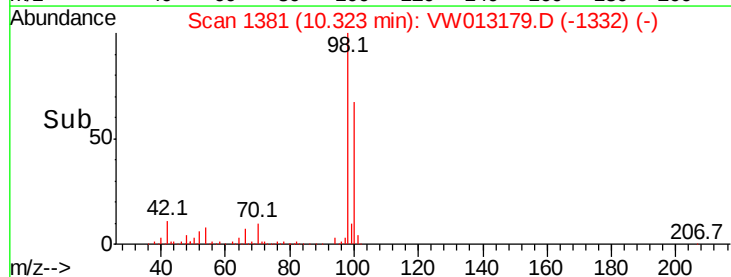
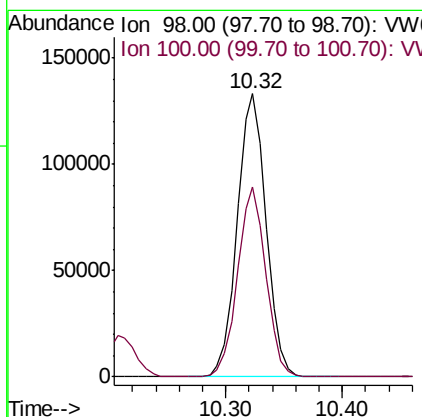
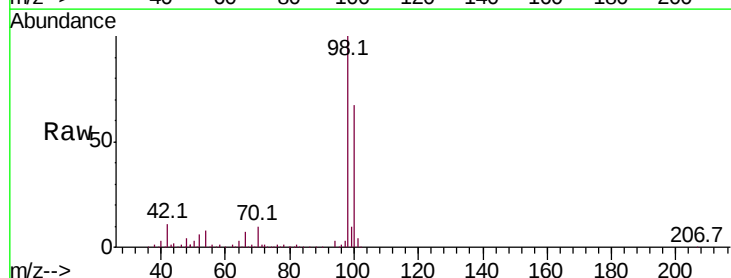
Instrument :
MSVOA_W
ClientSampleId :

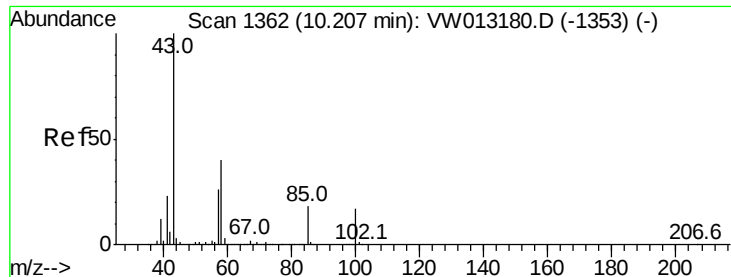
Tot Ion: 88 Resp: 9850
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 81.1 65.4 98.0



#50
Toluene-d8
Concen: 19.546 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 98 Resp: 229613
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 90.863 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

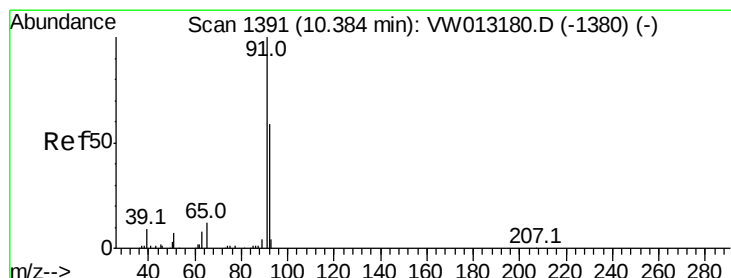
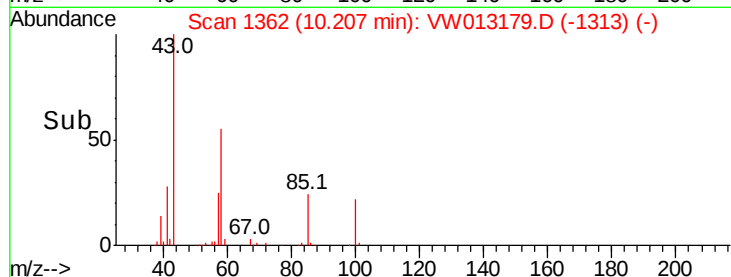
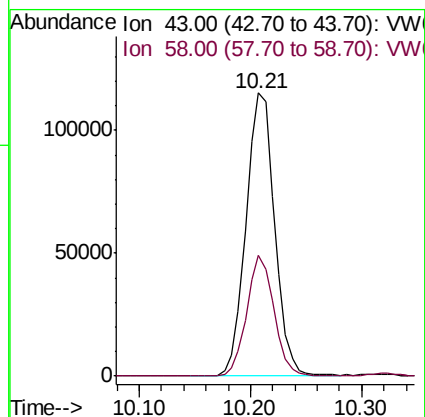
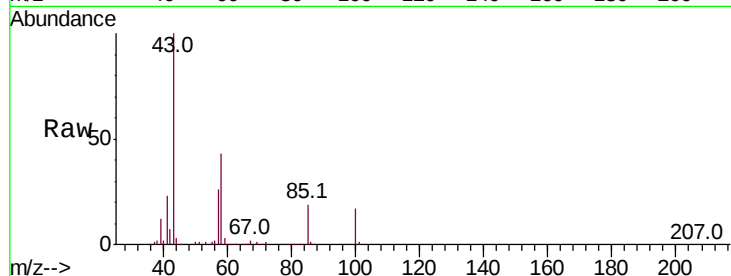
ClientSampled :

Tot Ion: 43 Resp: 206652

Ion Ratio Lower Upper

43 100

58 40.5 31.7 47.5



#52

Toluene

Concen: 22.670 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013179.D

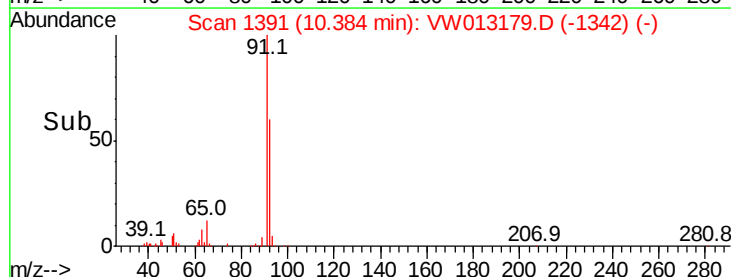
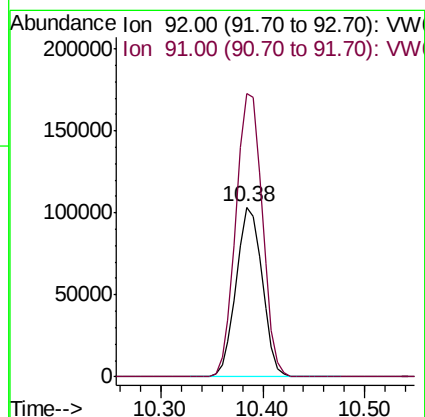
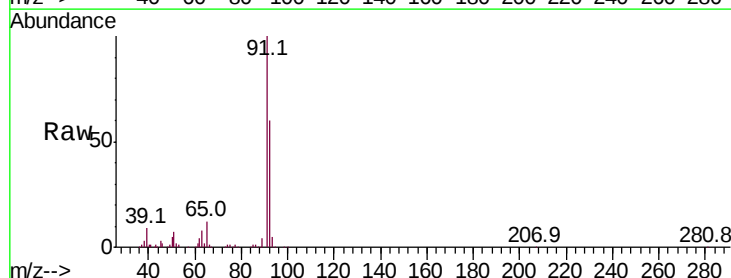
Acq: 20 Sep 2019 13:35

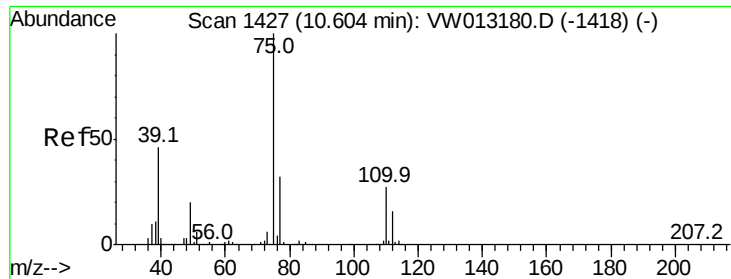
Tgt Ion: 92 Resp: 182880

Ion Ratio Lower Upper

92 100

91 169.4 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.719 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

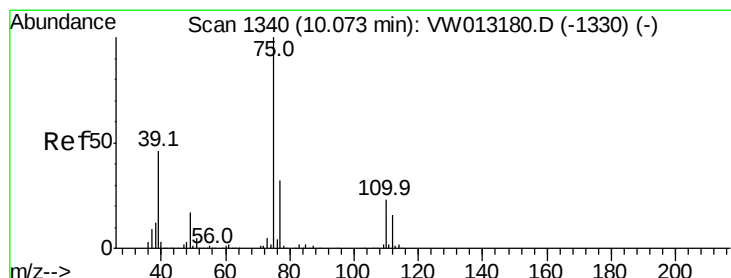
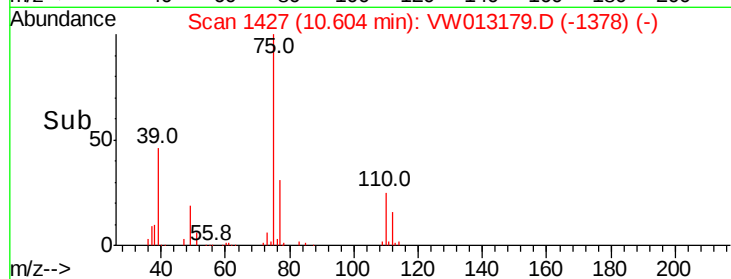
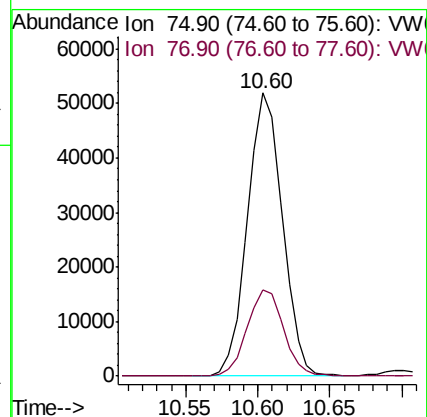
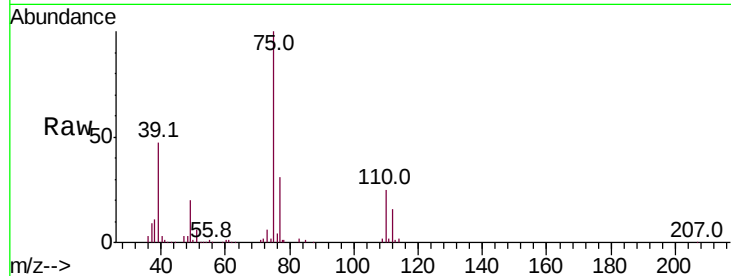
ClientSampled :

Tot Ion: 75 Resp: 87347

Ion Ratio Lower Upper

75 100

77 30.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.528 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

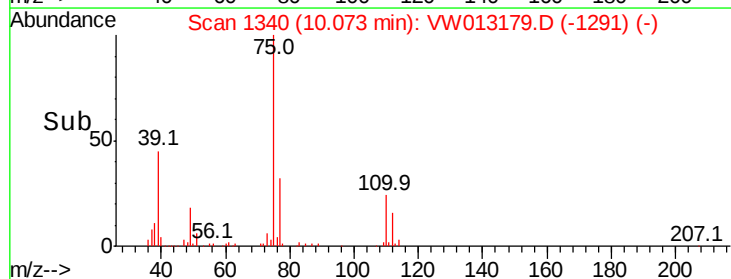
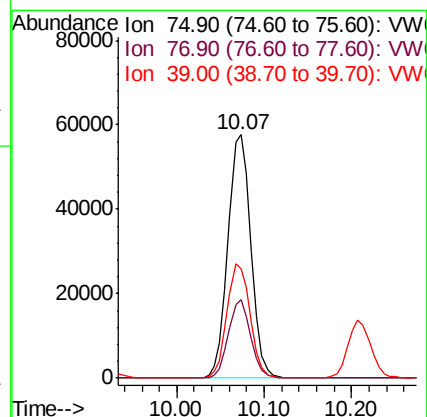
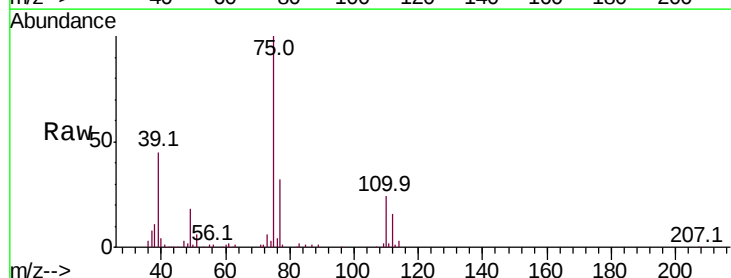
Tgt Ion: 75 Resp: 104987

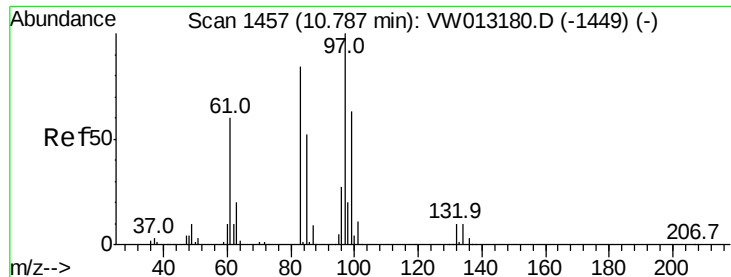
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 44.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.975 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 50595

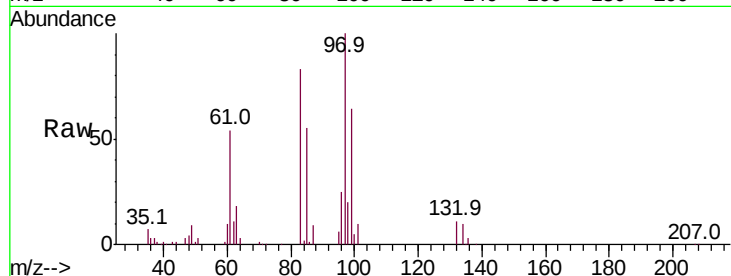
Ion Ratio Lower Upper

97 100

83 82.7 67.6 101.4

85 54.6 41.9 62.9

99 63.6 50.1 75.1

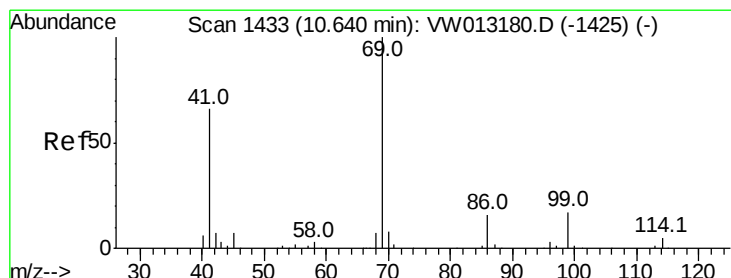
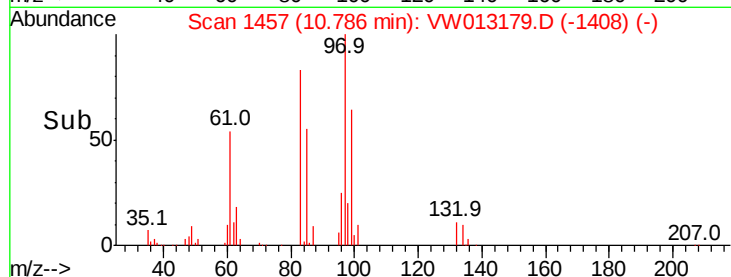
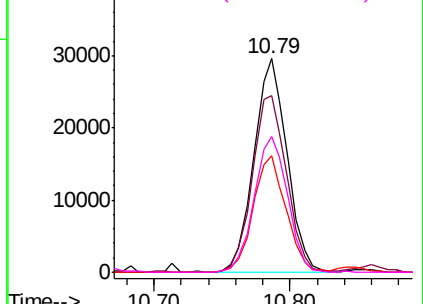


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.721 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

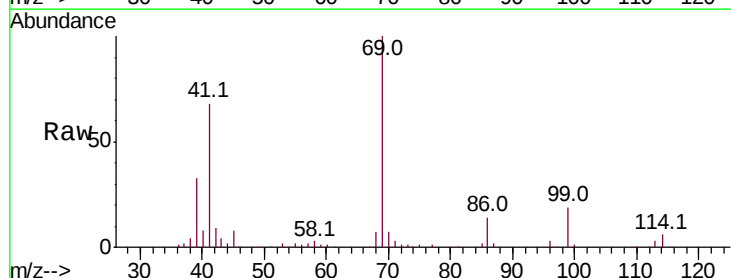
Tgt Ion: 69 Resp: 66879

Ion Ratio Lower Upper

69 100

41 66.5 53.9 80.9

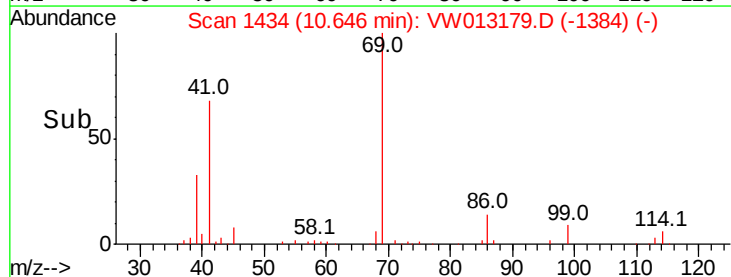
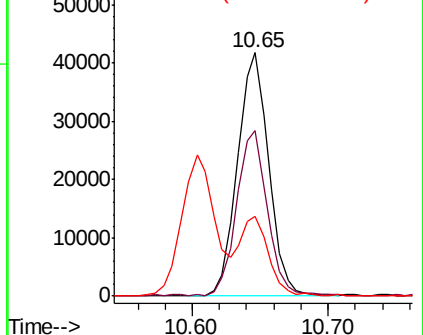
39 29.8 23.8 35.6

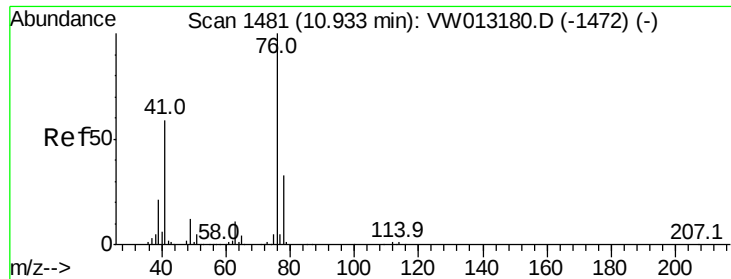


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

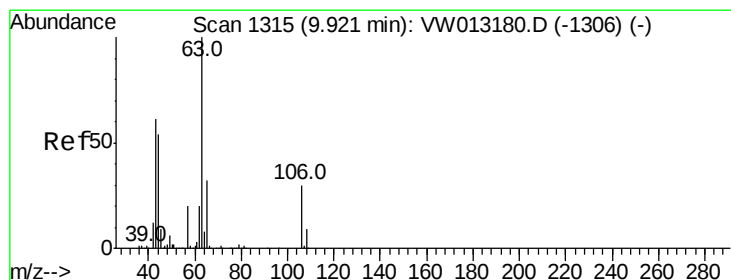
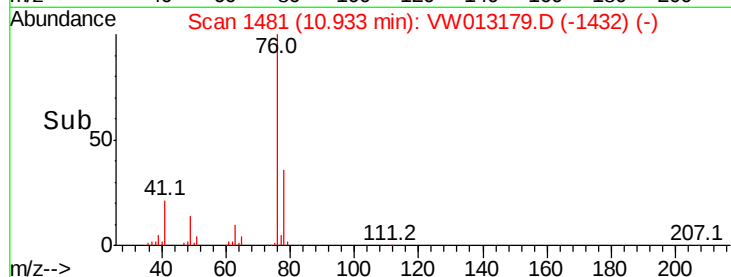
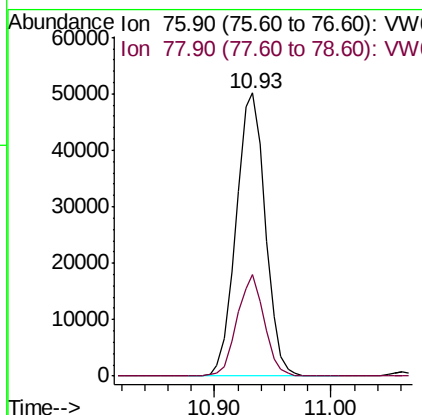
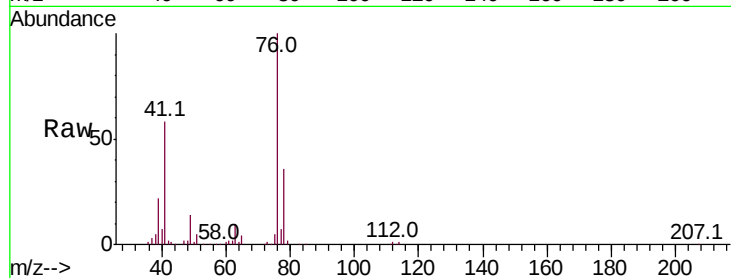




#57
 1,3-Dichloropropane
 Concen: 20.476 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

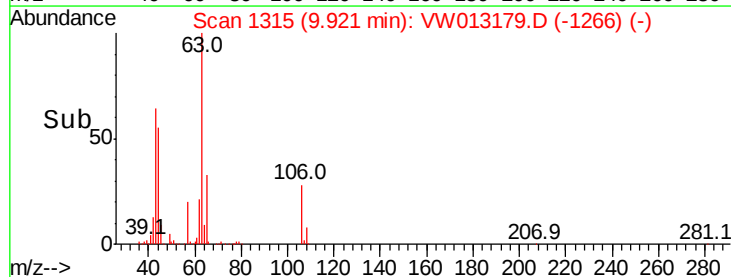
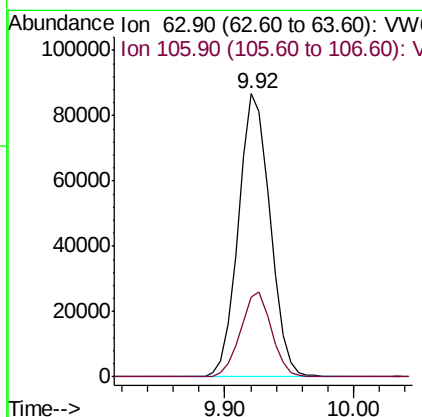
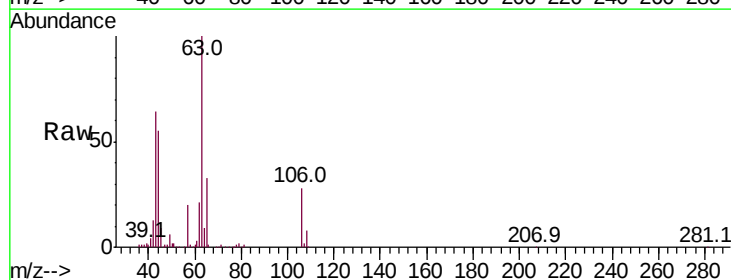
Instrument :
 MSVOA_W
 ClientSampleId :

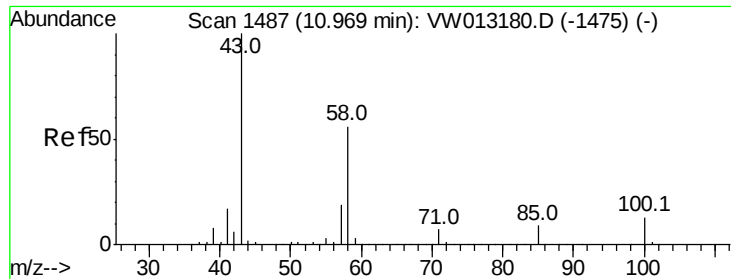
Tot Ion: 76 Resp: 87381
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.311 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 63 Resp: 147377
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0





#59

2-Hexanone

Concen: 91.561 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

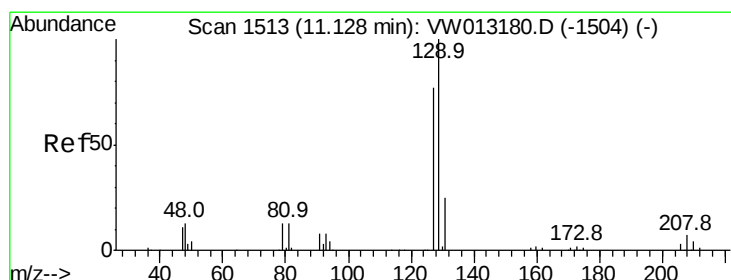
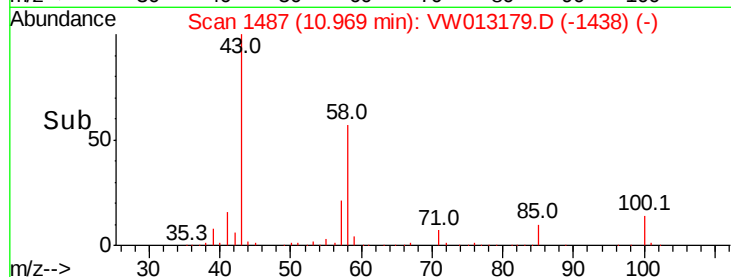
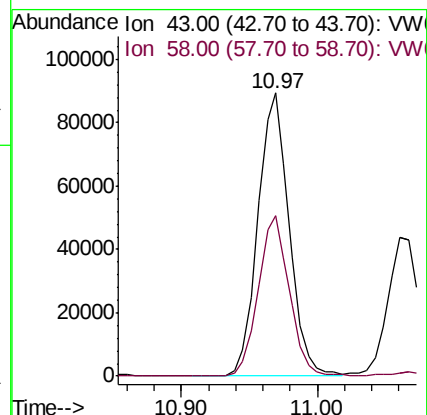
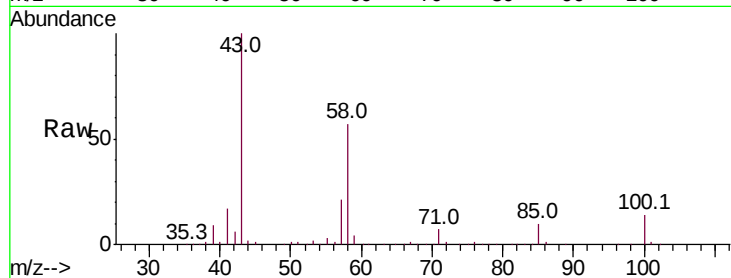
ClientSampled :

Tot Ion: 43 Resp: 144238

Ion Ratio Lower Upper

43 100

58 56.3 28.1 84.2



#60

Dibromochloromethane

Concen: 19.382 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013179.D

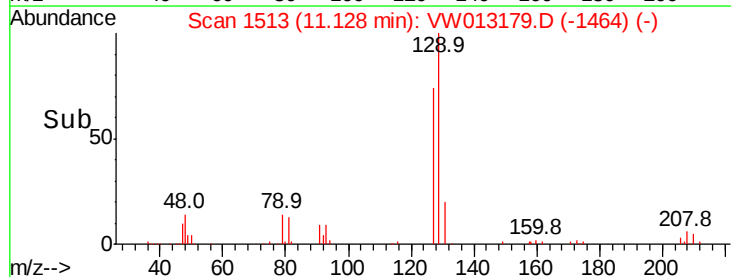
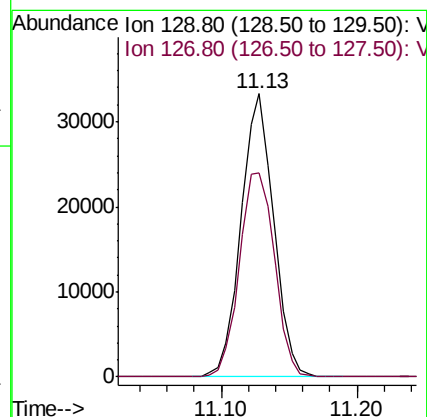
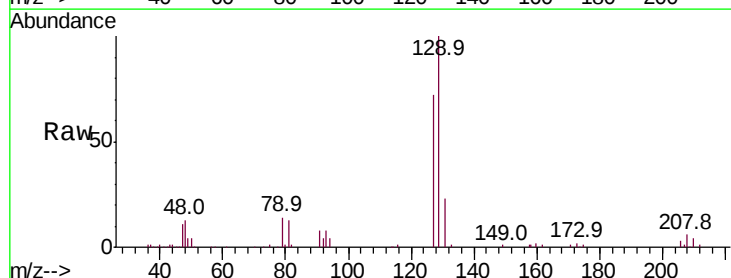
Acq: 20 Sep 2019 13:35

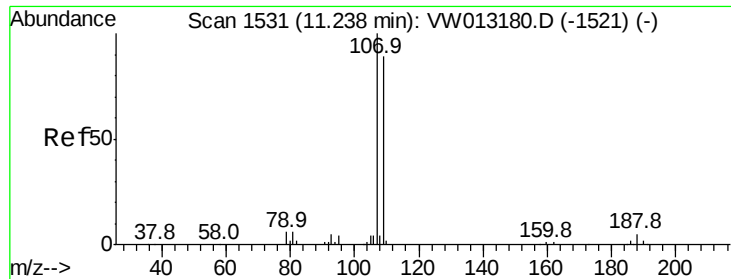
Tgt Ion: 129 Resp: 55842

Ion Ratio Lower Upper

129 100

127 77.8 38.8 116.4

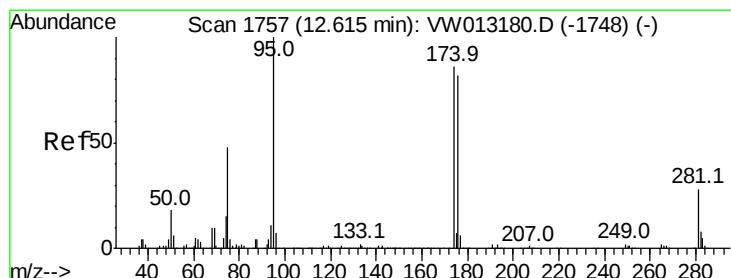
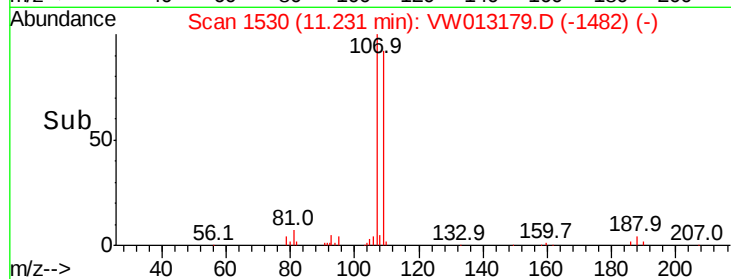
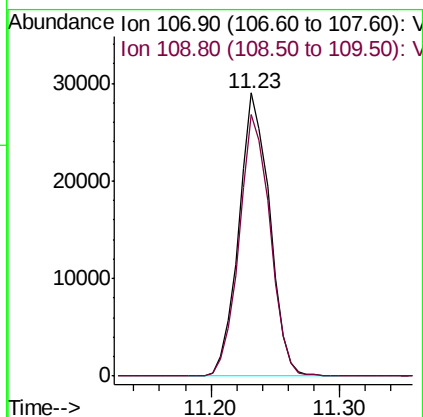
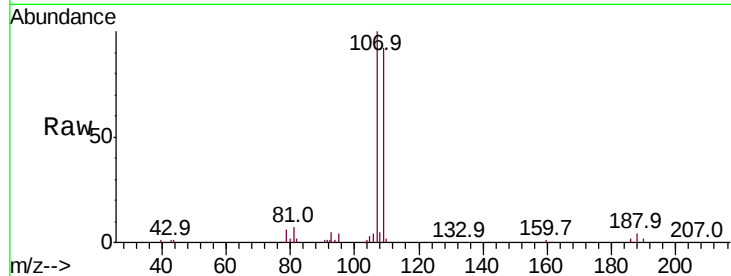




#61
 1,2-Dibromoethane
 Concen: 21.715 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

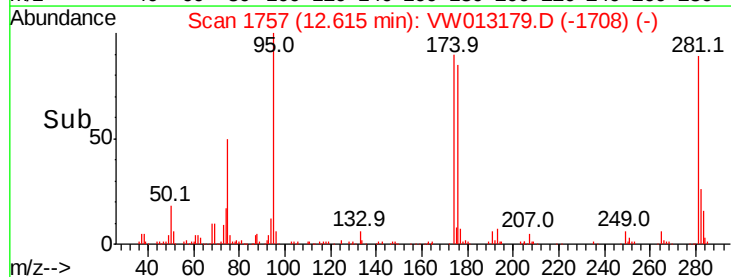
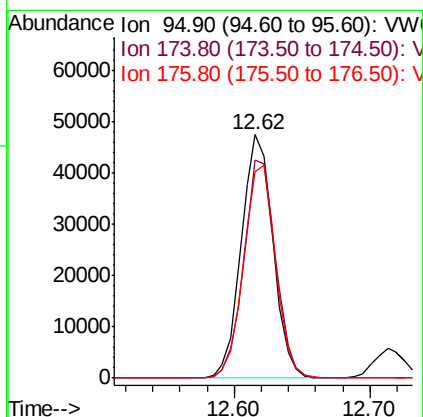
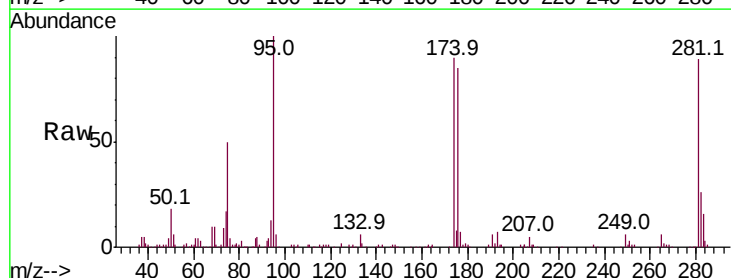
Instrument :
 MSVOA_W
 ClientSampleId :

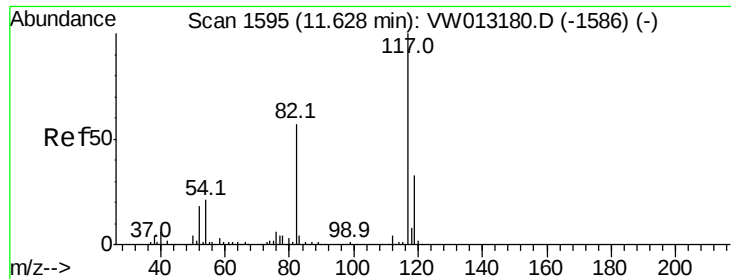
Tot Ion:107 Resp: 47935
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 18.431 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 95 Resp: 77531
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.4
 176 88.4 0.0 172.2

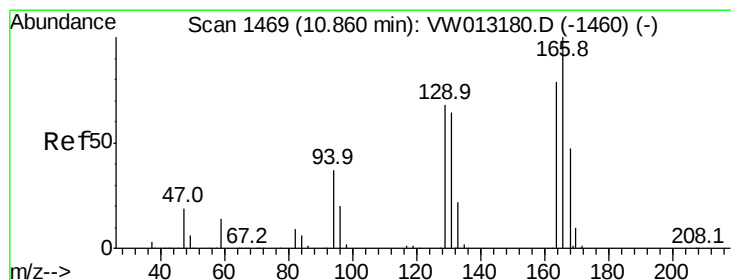
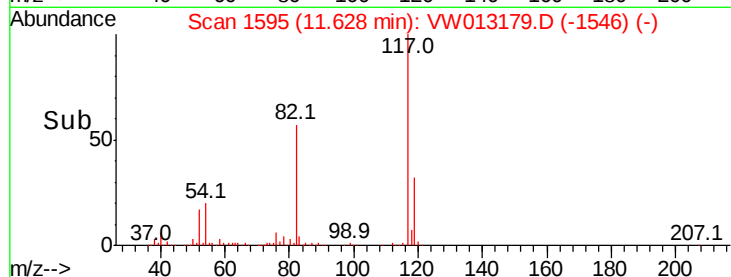
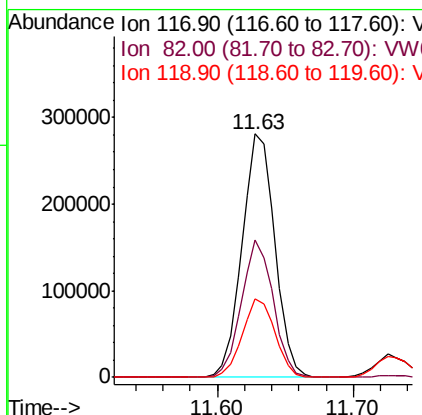
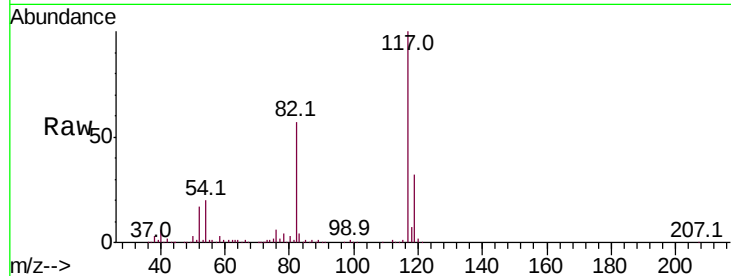




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

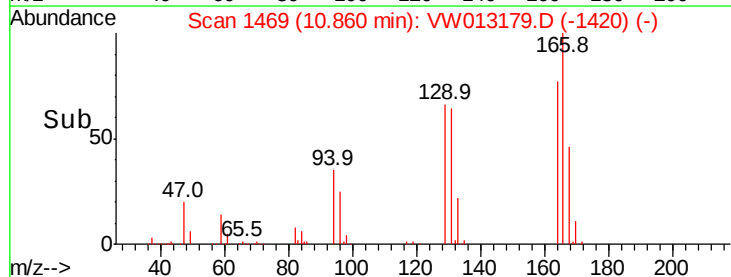
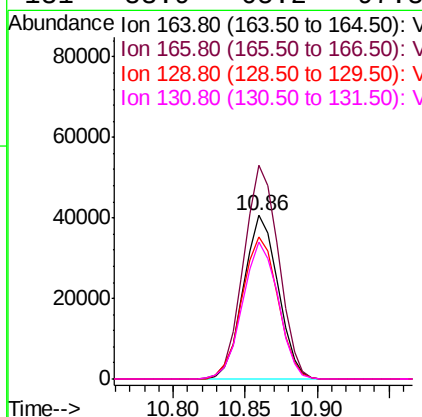
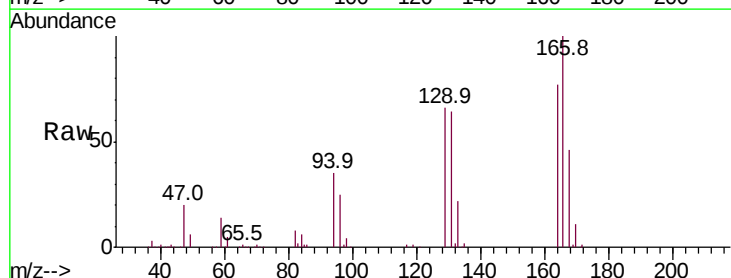
Instrument :
MSVOA_W
ClientSampleId :

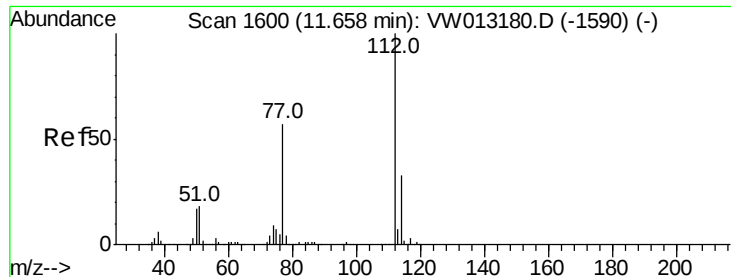
Tot Ion:117 Resp: 474695
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 22.941 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:164 Resp: 67677
Ion Ratio Lower Upper
164 100
166 130.7 101.2 151.8
129 86.6 68.8 103.2
131 83.9 65.2 97.8

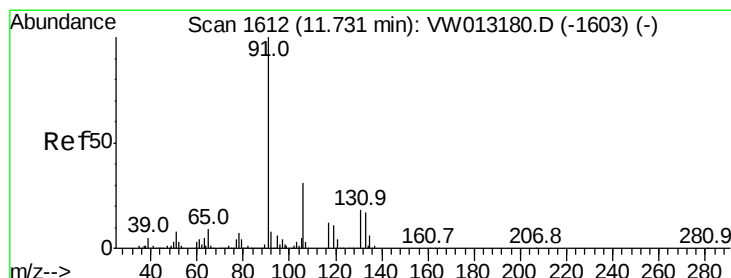
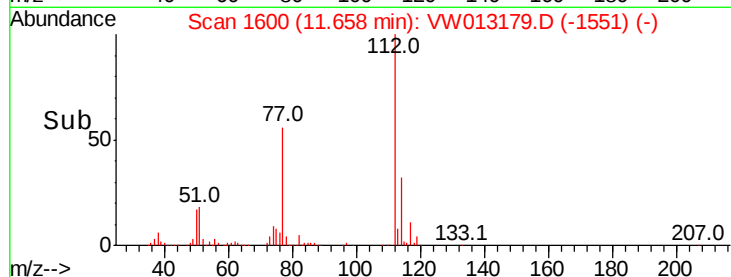
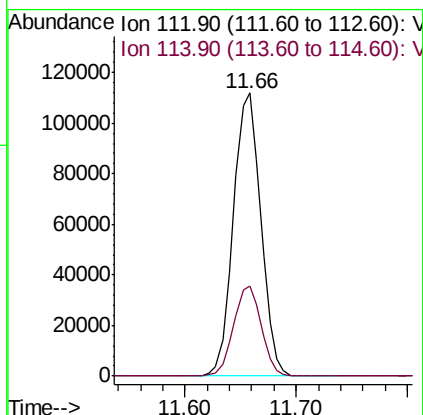
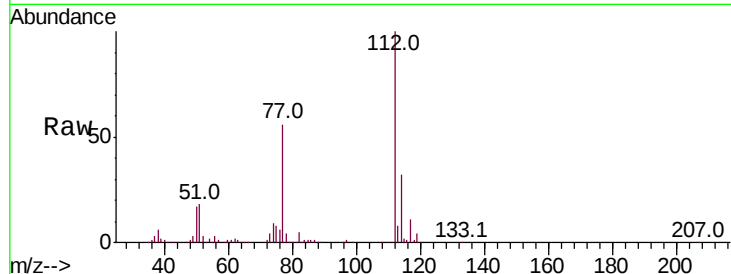




#65
Chlorobenzene
Concen: 22.041 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

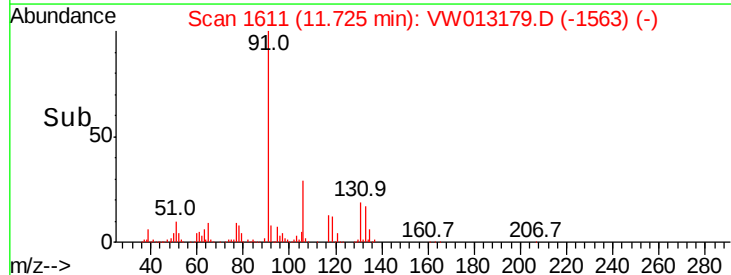
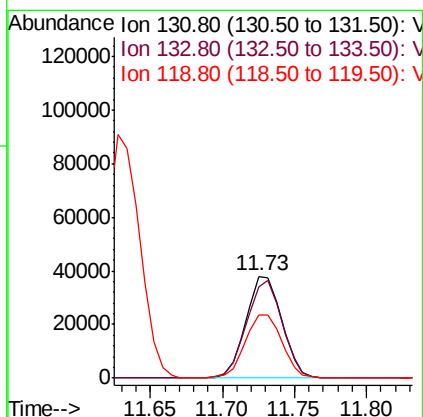
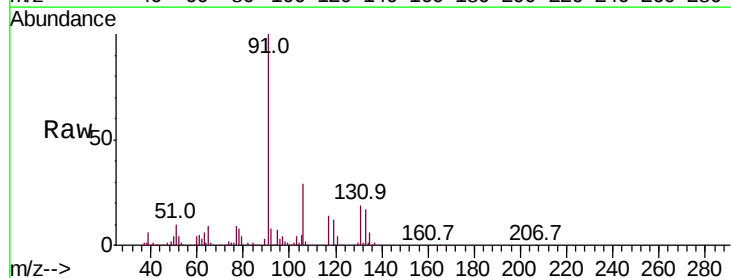
Instrument :
MSVOA_W
ClientSampleId :

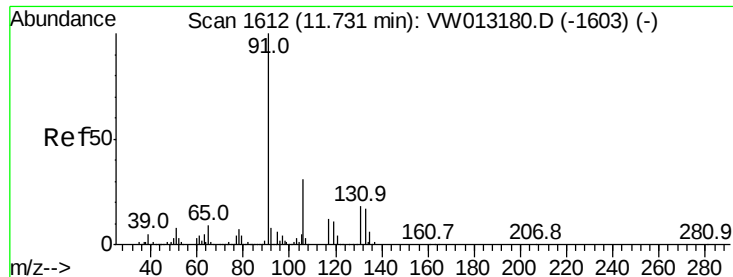
Tot Ion:112 Resp: 191155
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.072 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:131 Resp: 65363
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 63.8 32.5 97.5

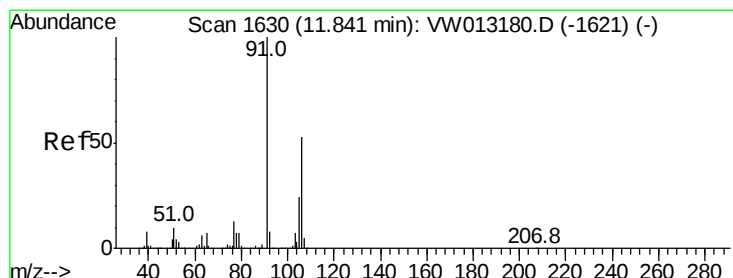
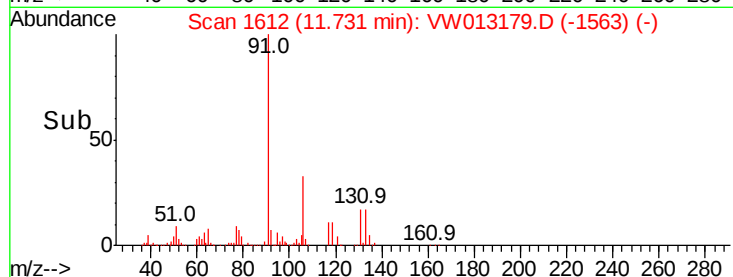
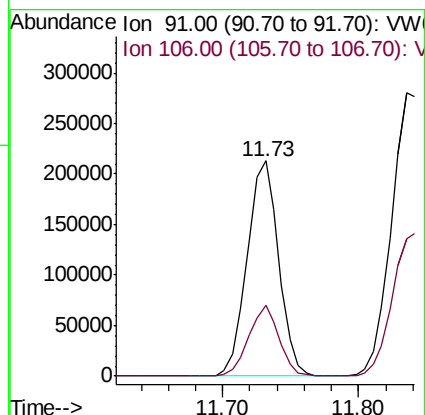
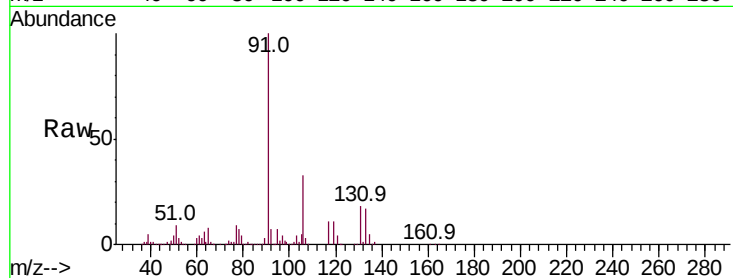




#67
Ethyl Benzene
Concen: 21.656 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

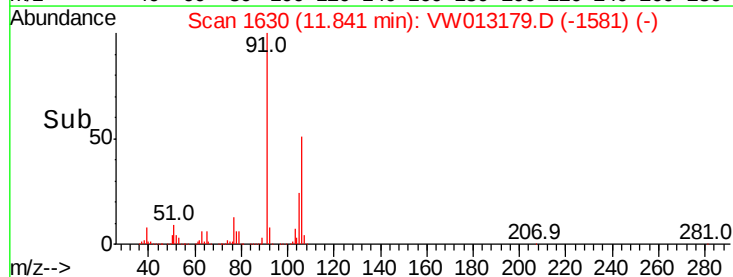
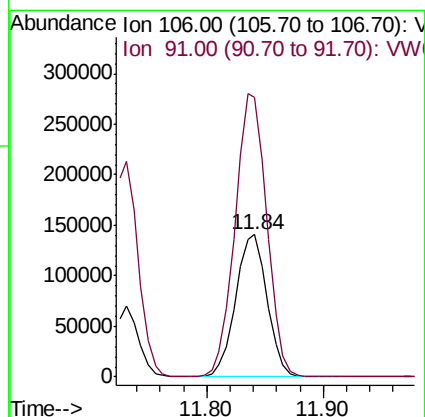
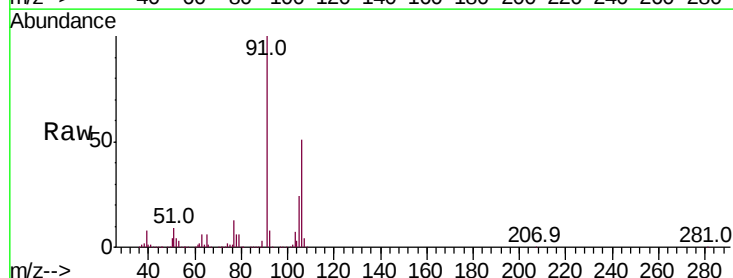
Instrument :
MSVOA_W
ClientSampleId :

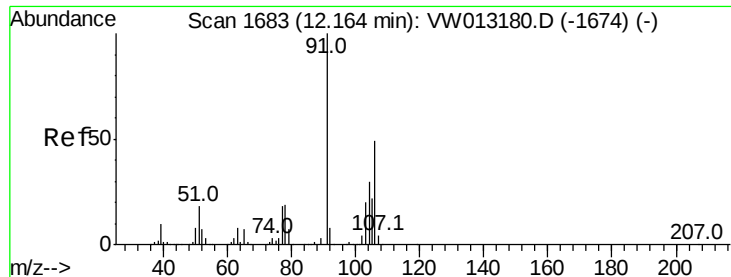
Tot Ion: 91 Resp: 345536
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3



#68
m/p-Xylenes
Concen: 45.023 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 106 Resp: 264729
Ion Ratio Lower Upper
106 100
91 200.6 157.9 236.9

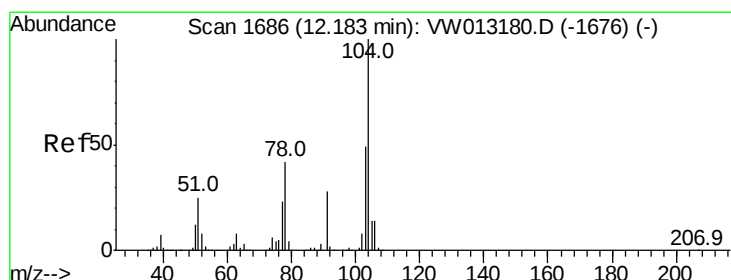
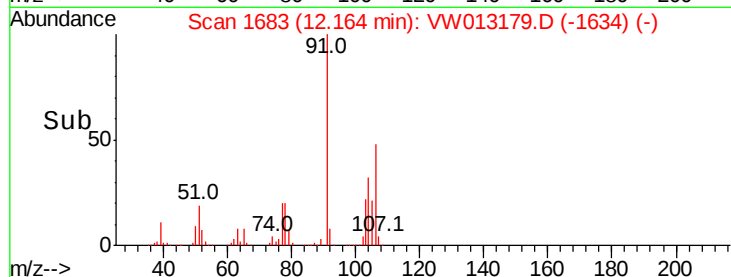
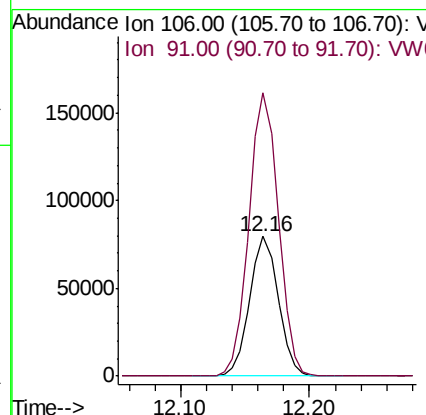
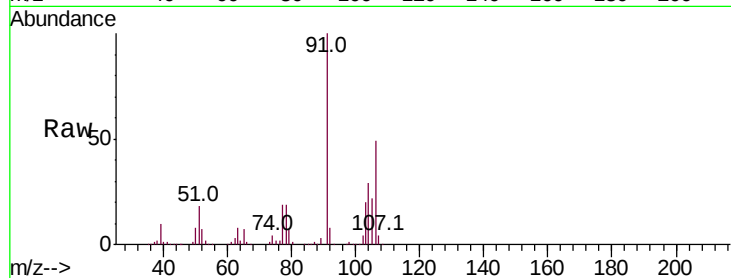




#69
o-Xylene
Concen: 22.204 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

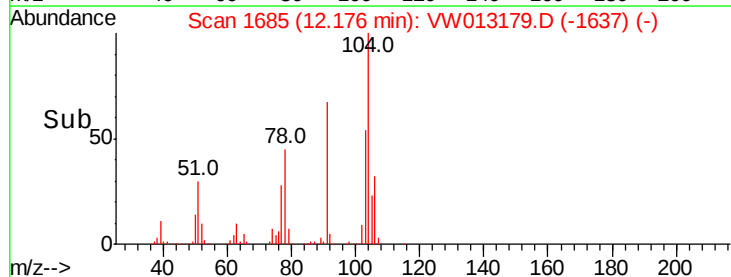
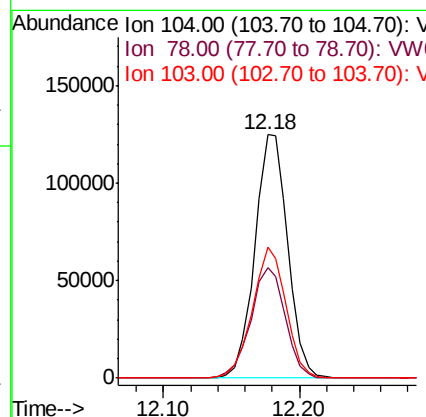
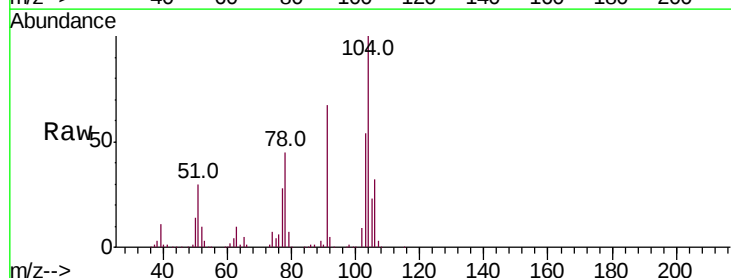
Instrument :
MSVOA_W
ClientSampleId :

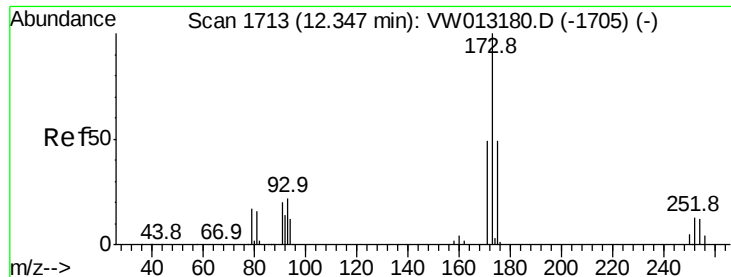
Tot Ion:106 Resp: 122053
Ion Ratio Lower Upper
106 100
91 208.0 106.5 319.5



#70
Styrene
Concen: 21.700 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:104 Resp: 211379
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 54.8 43.3 64.9

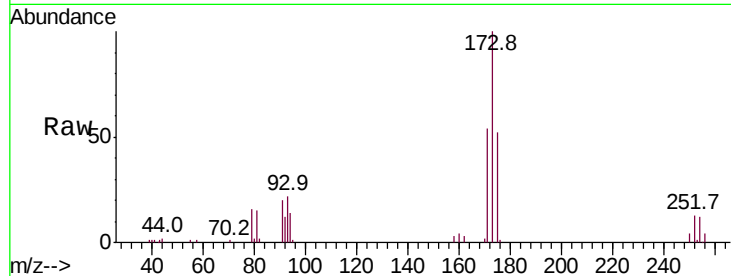




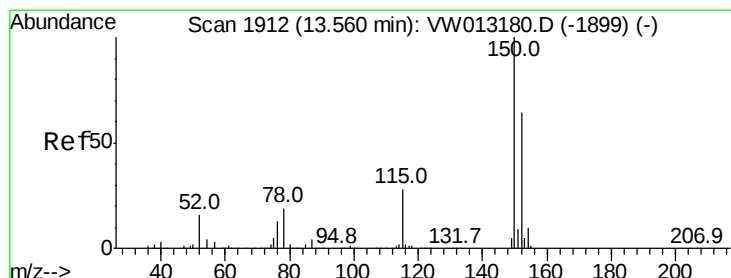
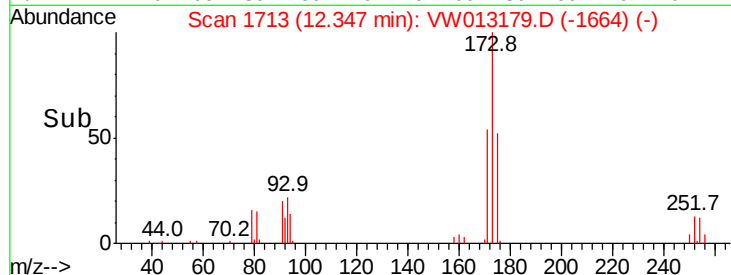
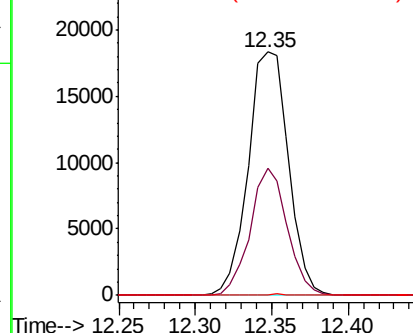
#71
Bromoform
Concen: 19.735 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 33576
Ion Ratio Lower Upper
173 100
175 47.8 24.3 73.0
254 0.2 0.1 0.1#

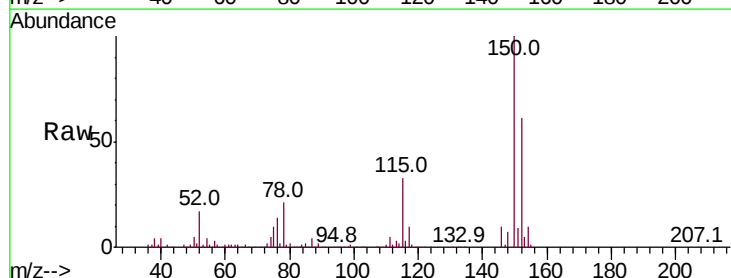


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

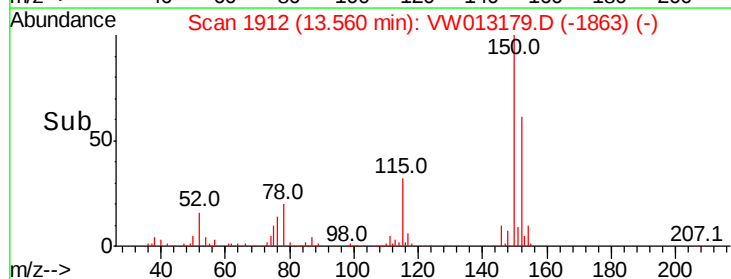
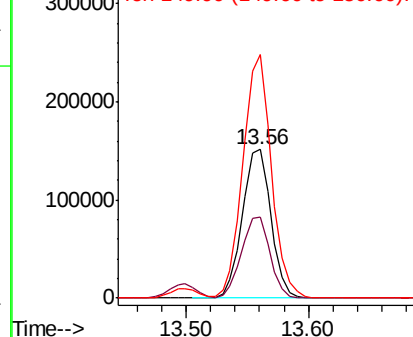


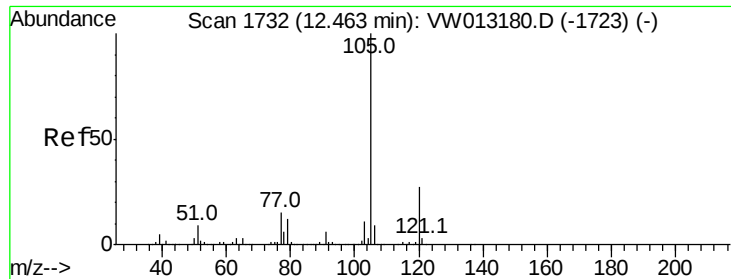
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:152 Resp: 243609
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 163.7 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: 20.870 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

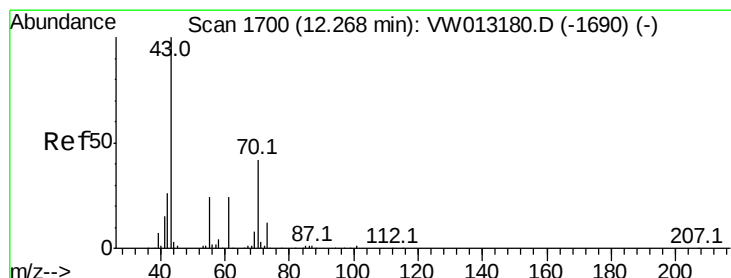
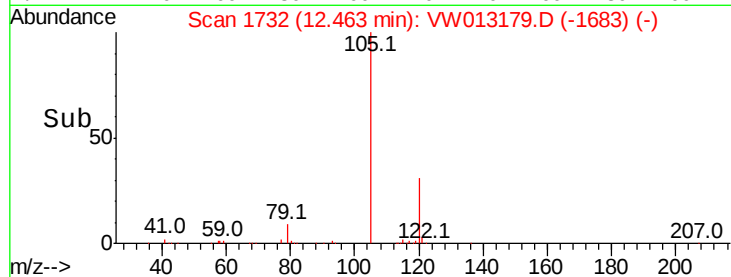
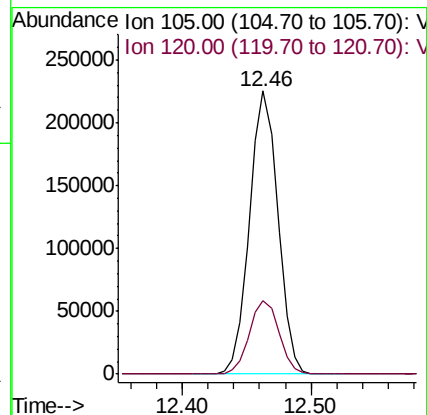
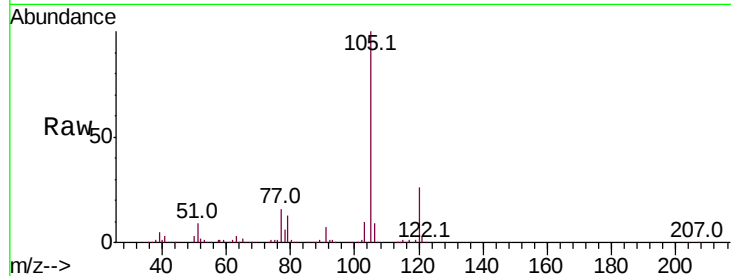
ClientSampled :

Tot Ion:105 Resp: 342371

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 18.194 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion: 43 Resp: 74826

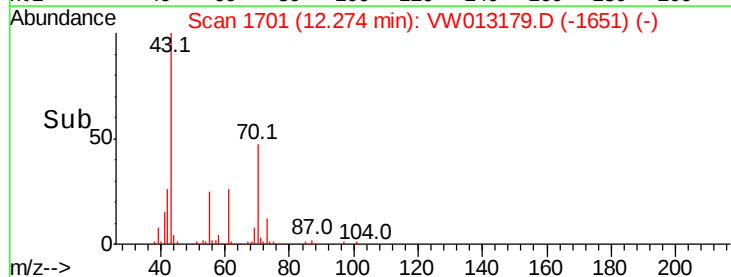
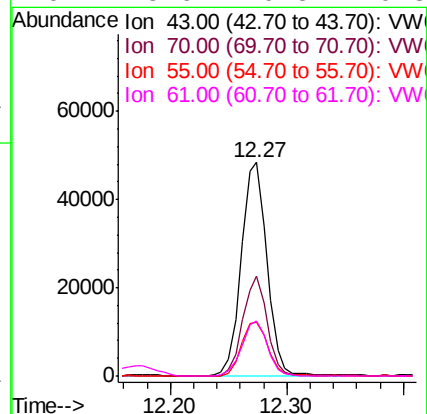
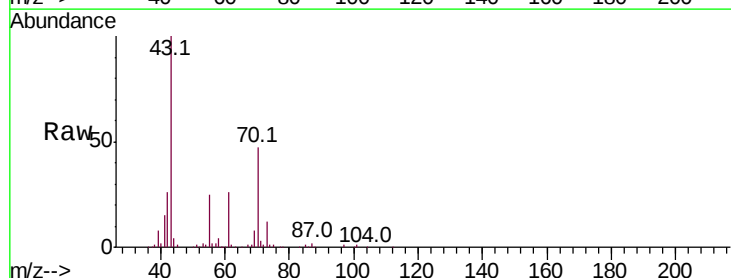
Ion Ratio Lower Upper

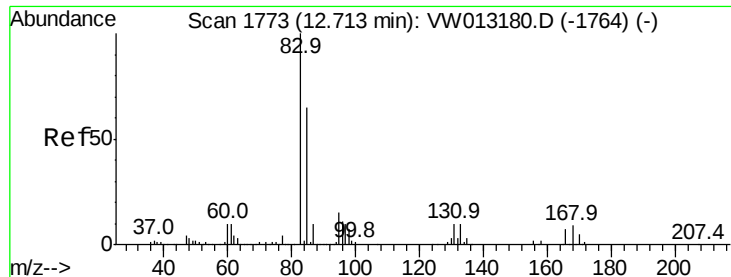
43 100

70 44.4 35.1 52.7

55 26.3 19.9 29.9

61 25.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.751 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

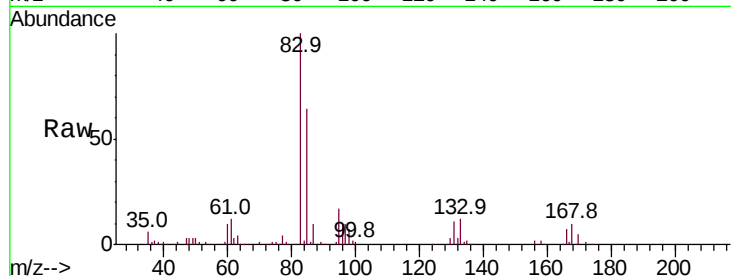
Tot Ion: 83 Resp: 56005

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

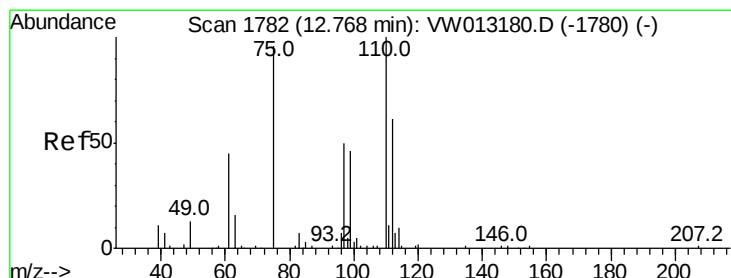
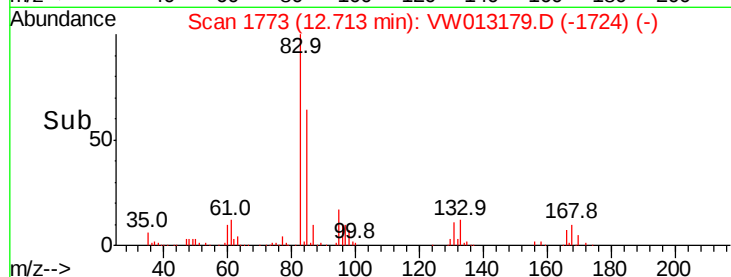
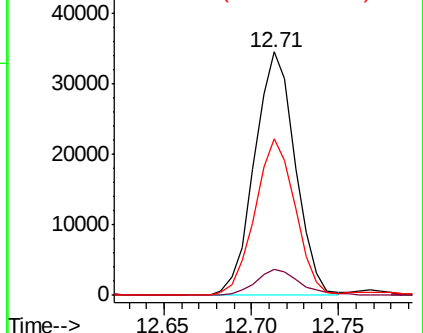
85 63.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.375 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013179.D

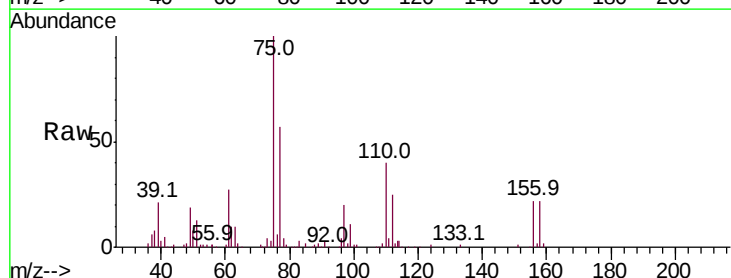
Acq: 20 Sep 2019 13:35

Tgt Ion: 75 Resp: 73054

Ion Ratio Lower Upper

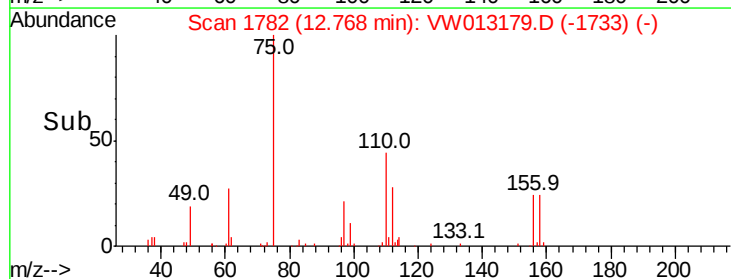
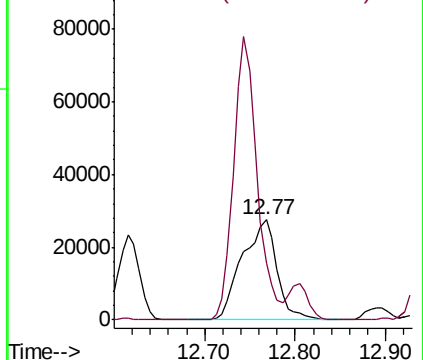
75 100

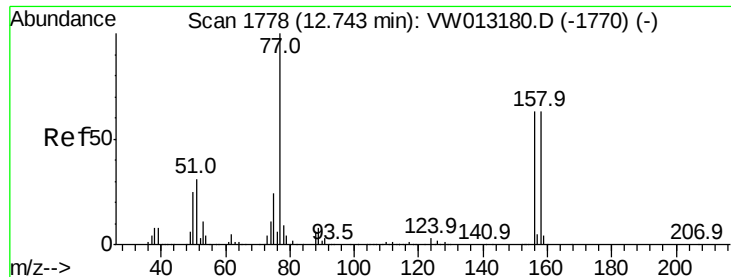
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.904 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

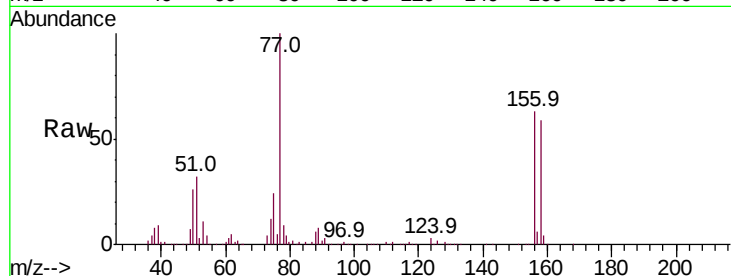
ClientSampled :

Tot Ion:156 Resp: 79890

Ion	Ratio	Lower	Upper
156	100		
77	177.1	85.7	257.1
158	98.1	48.1	144.4

77 177.1 85.7 257.1

158 98.1 48.1 144.4

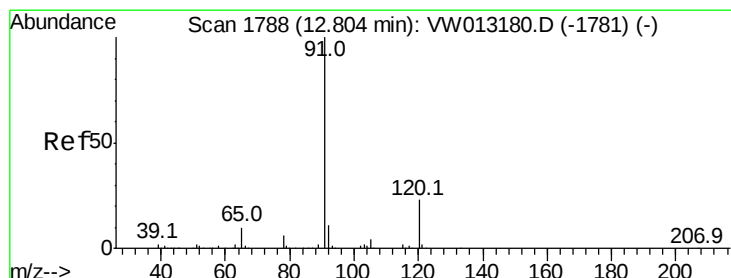
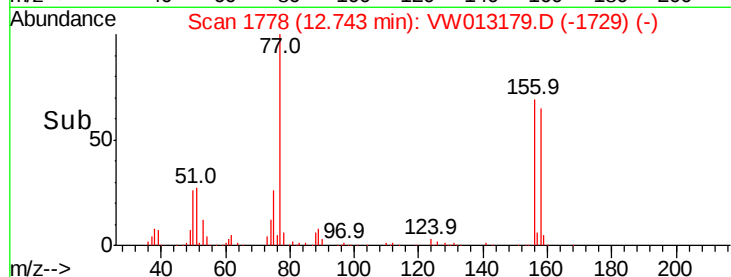
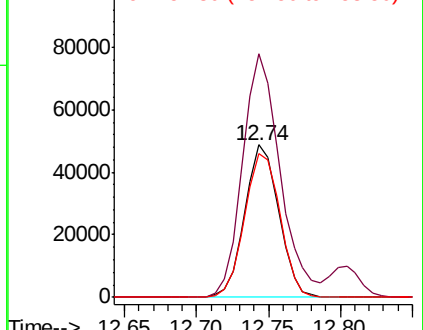


Abundance

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: 20.839 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013179.D

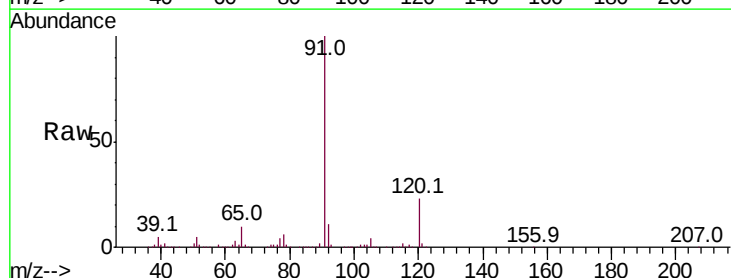
Acq: 20 Sep 2019 13:35

Tgt Ion: 91 Resp: 401866

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1

91 100

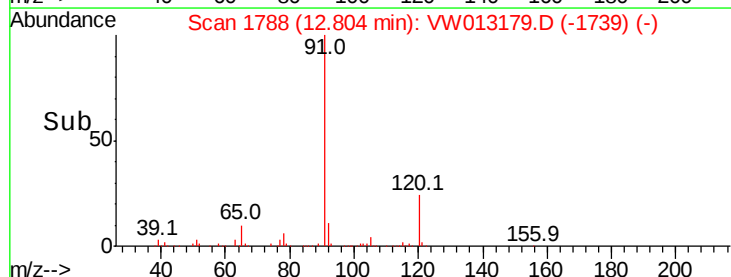
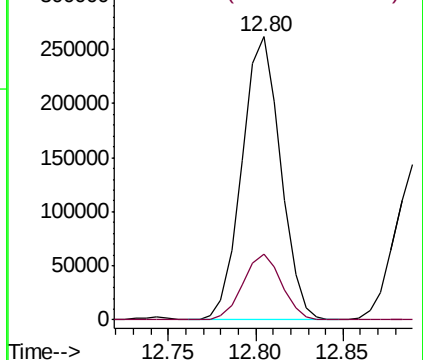
120 23.2 11.7 35.1

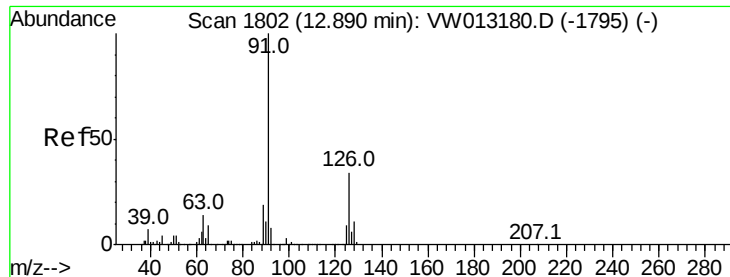


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.428 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

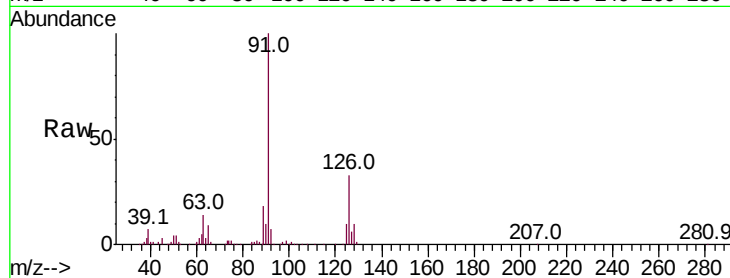
ClientSampleId :

Tot Ion: 91 Resp: 225685

Ion Ratio Lower Upper

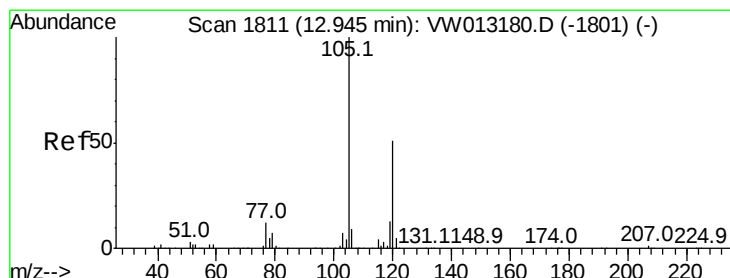
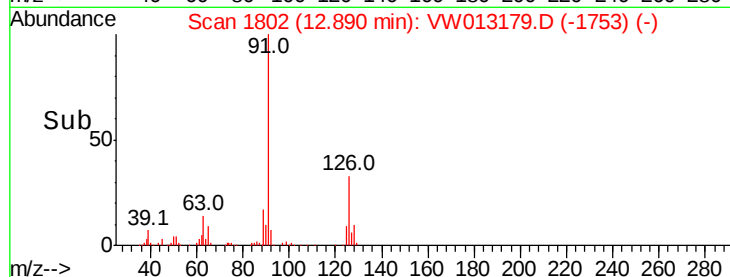
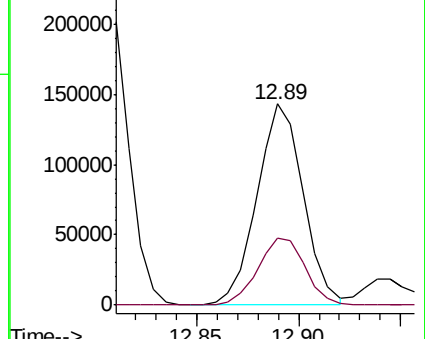
91 100

126 34.4 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: 20.670 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013179.D

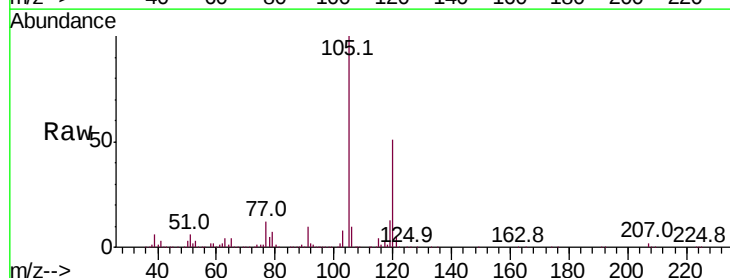
Acq: 20 Sep 2019 13:35

Tgt Ion:105 Resp: 287238

Ion Ratio Lower Upper

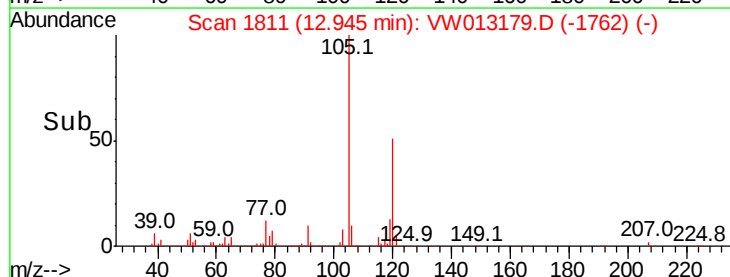
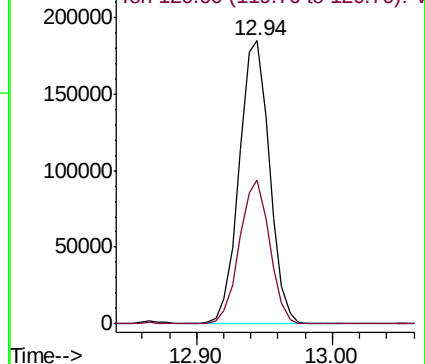
105 100

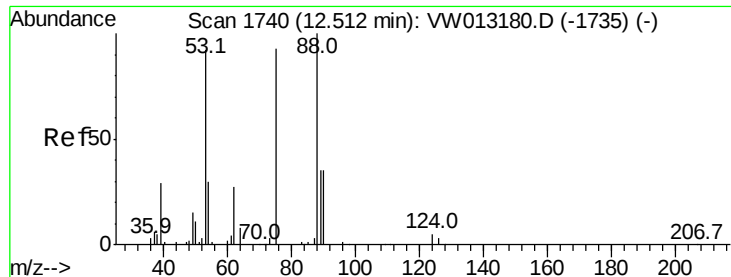
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

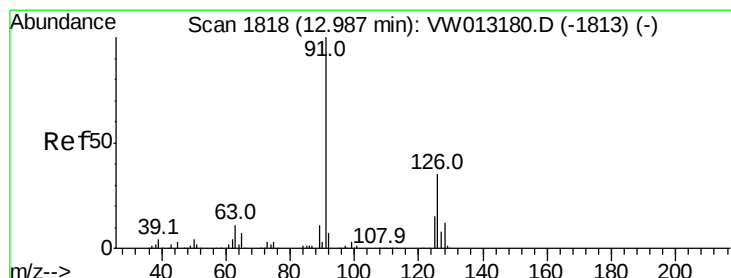
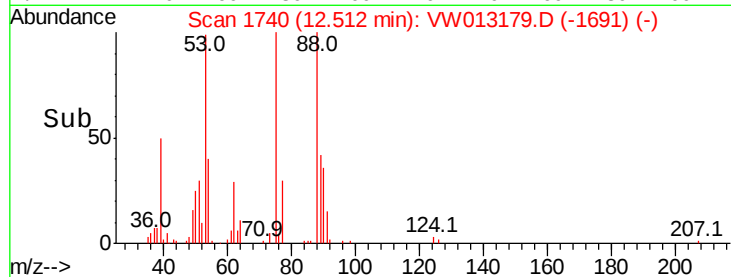
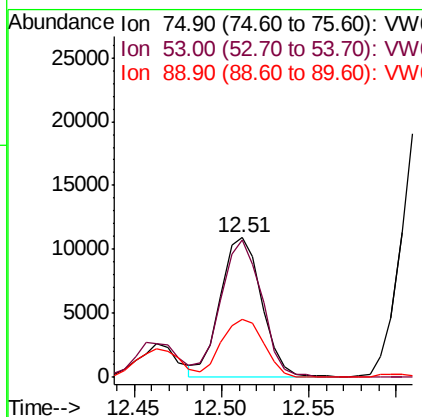
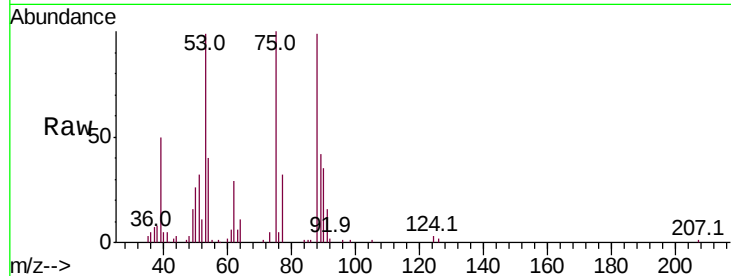




#81
trans-1,4-Dichloro-2-butene
Concen: 19.282 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

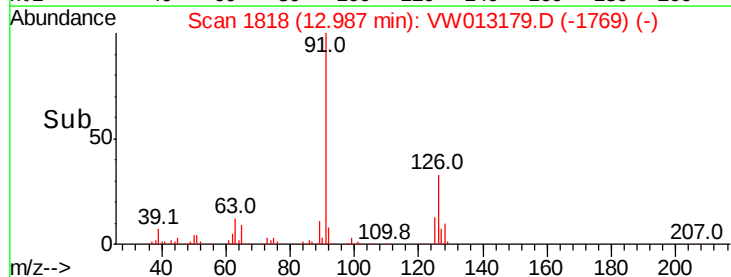
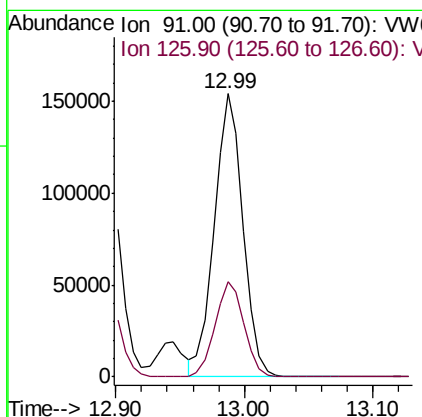
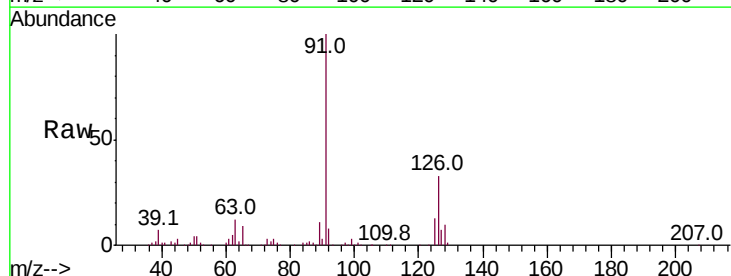
Instrument :
MSVOA_W
ClientSampleId :

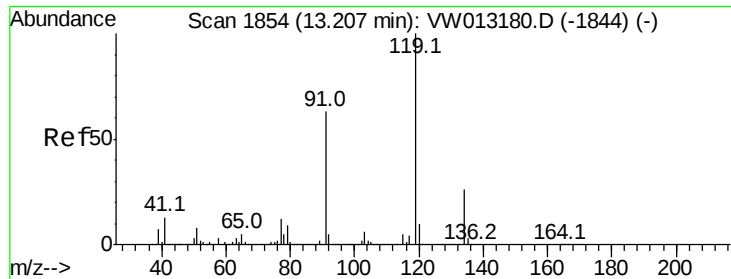
Tot Ion: 75 Resp: 18109
Ion Ratio Lower Upper
75 100
53 96.6 76.6 114.8
89 41.8 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.697 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 91 Resp: 239977
Ion Ratio Lower Upper
91 100
126 34.0 17.3 51.7





#83

tert-Butylbenzene

Concen: 20.659 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

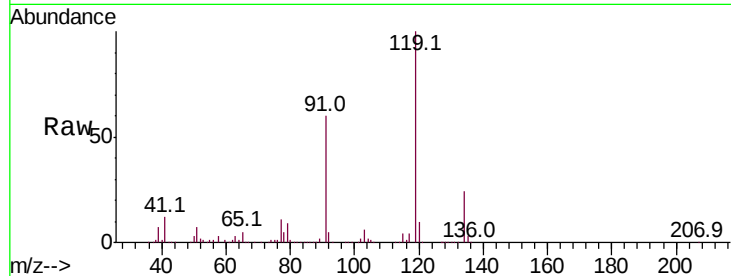
Tot Ion:119 Resp: 255592

Ion Ratio Lower Upper

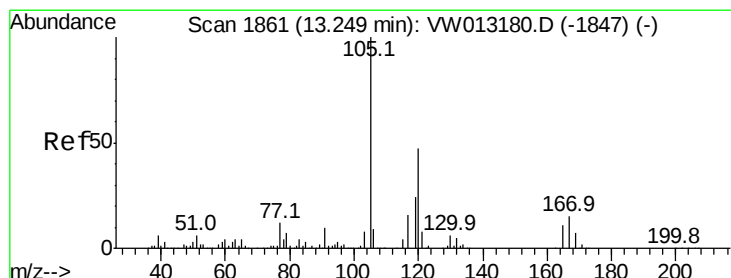
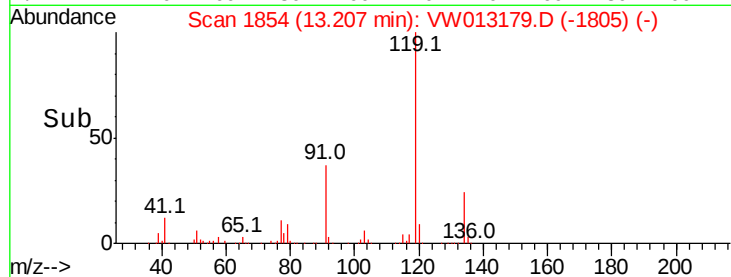
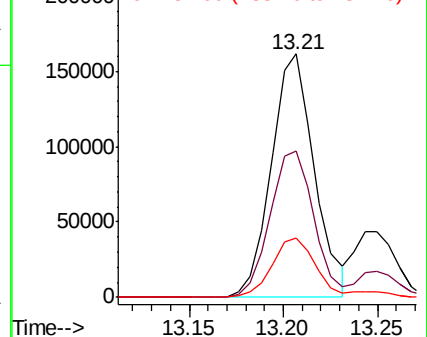
119 100

91 61.4 30.7 92.1

134 26.6 12.6 37.6



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



#84

1,2,4-Trimethylbenzene

Concen: 21.256 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013179.D

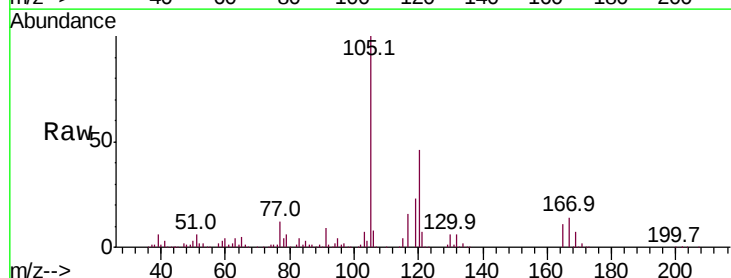
Acq: 20 Sep 2019 13:35

Tgt Ion:105 Resp: 291721

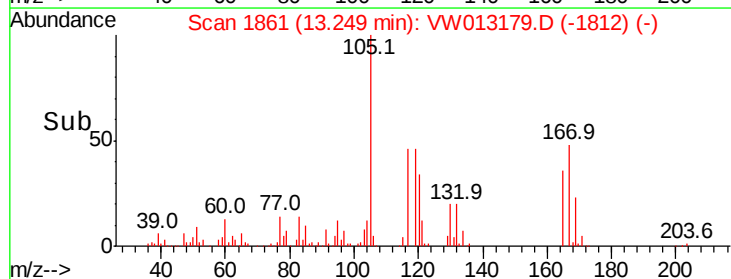
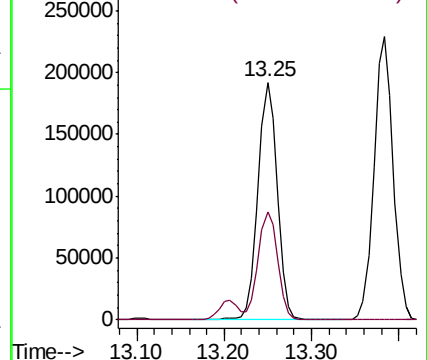
Ion Ratio Lower Upper

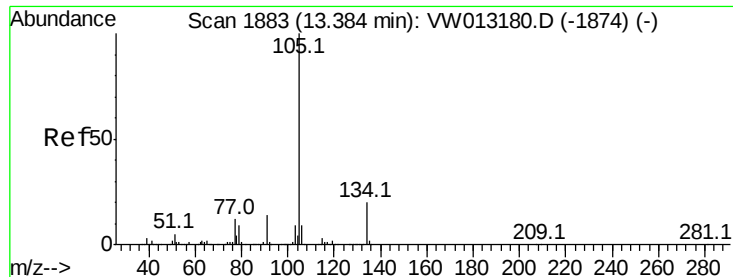
105 100

120 45.9 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.681 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

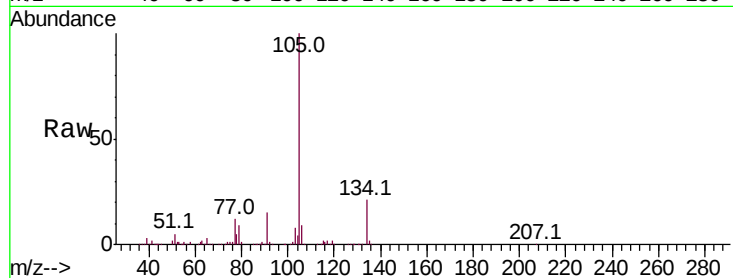
ClientSampled :

Tot Ion:105 Resp: 349690

Ion Ratio Lower Upper

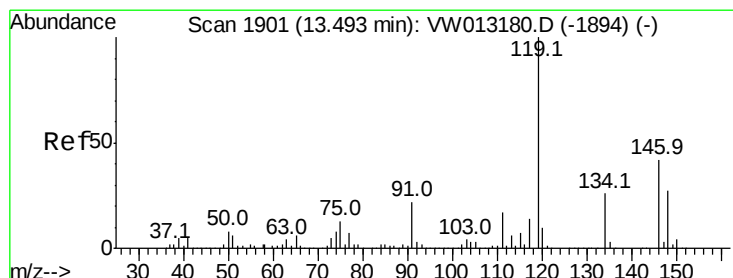
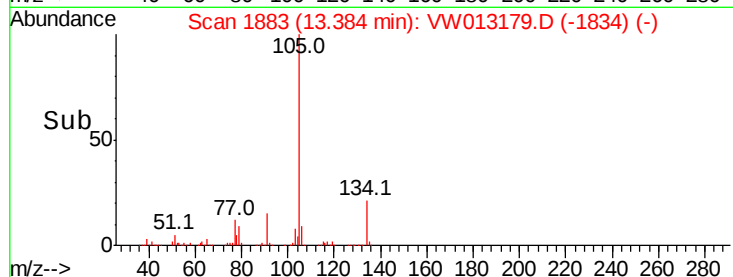
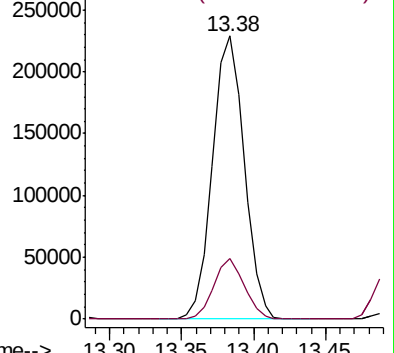
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.916 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

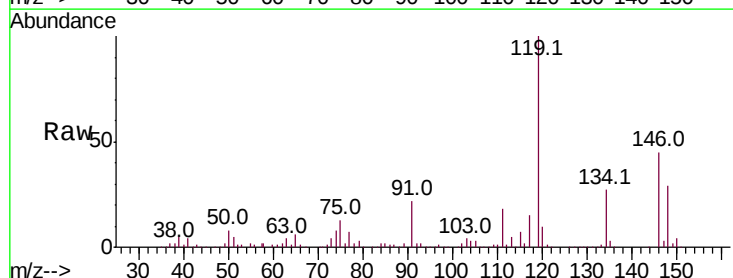
Tgt Ion:119 Resp: 325198

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

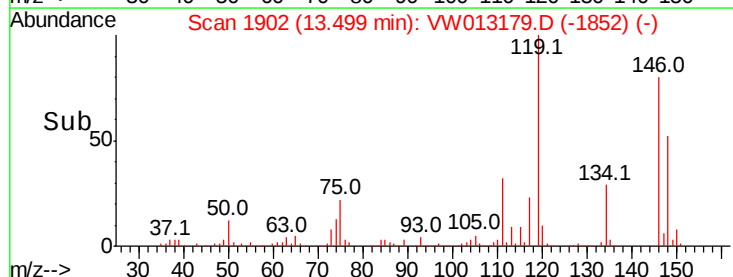
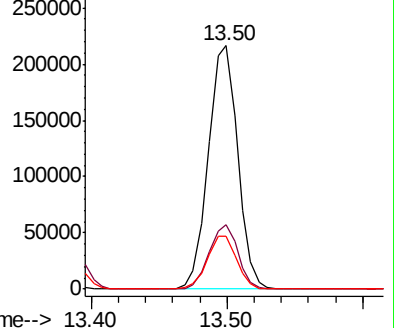
91 22.0 10.8 32.4

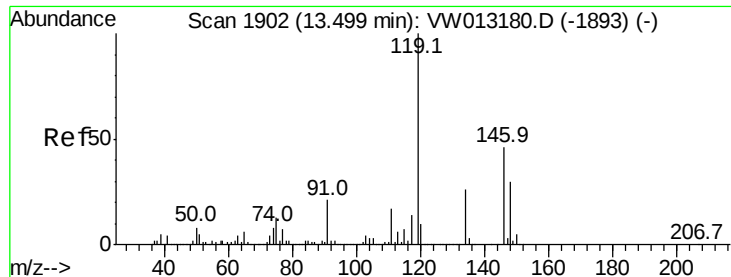


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.941 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

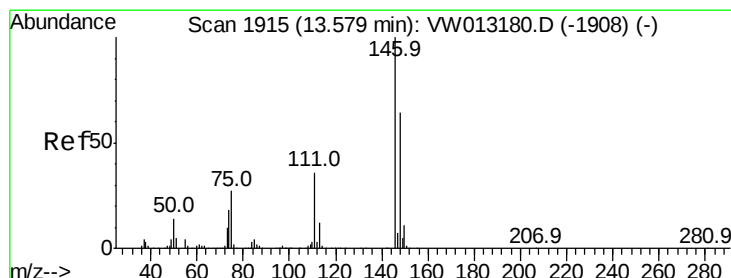
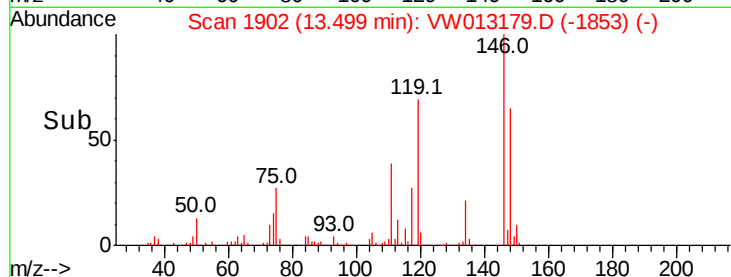
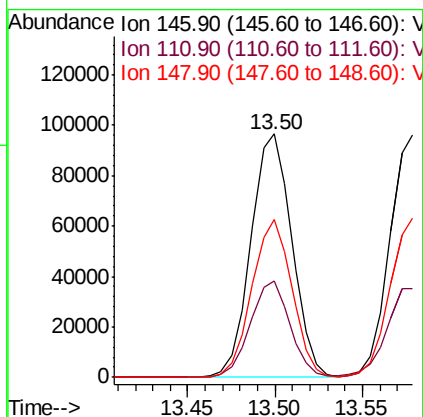
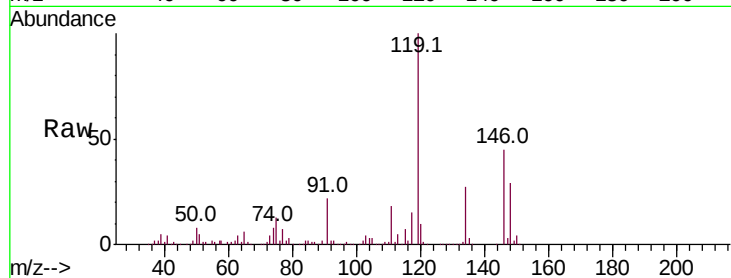
Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 157148

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	63.6	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.937 ug/l

RT: 13.58 min Scan# 1915

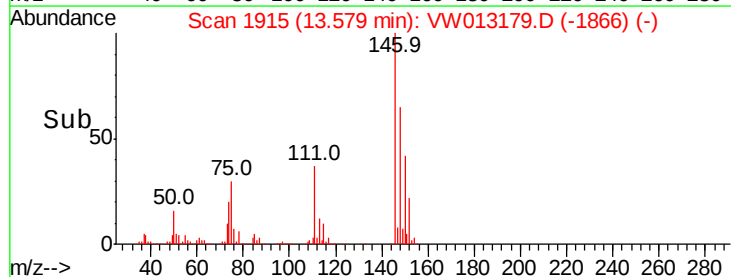
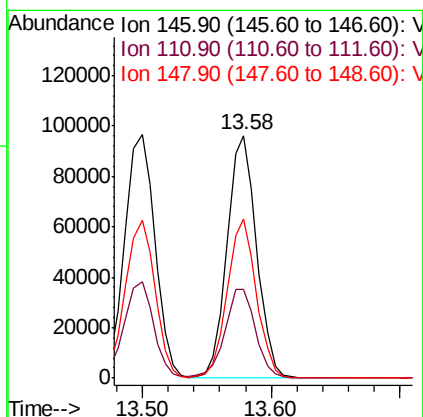
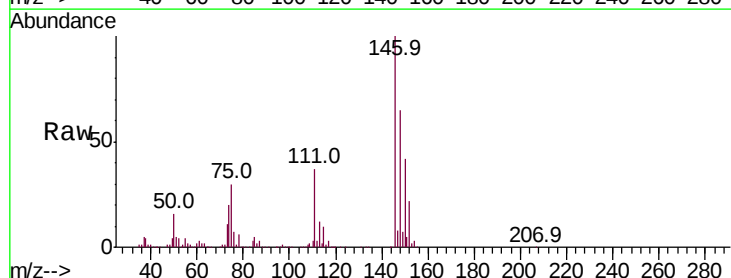
Delta R.T. -0.00 min

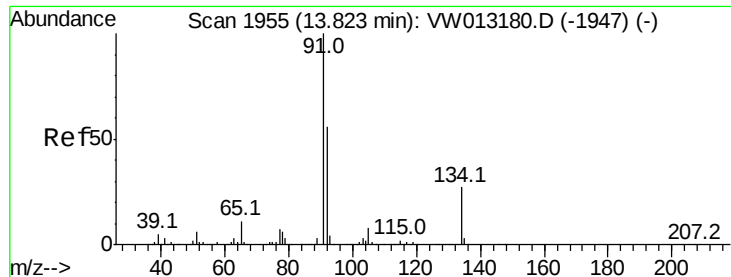
Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:146 Resp: 154029

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.0
148	64.8	32.1	96.3

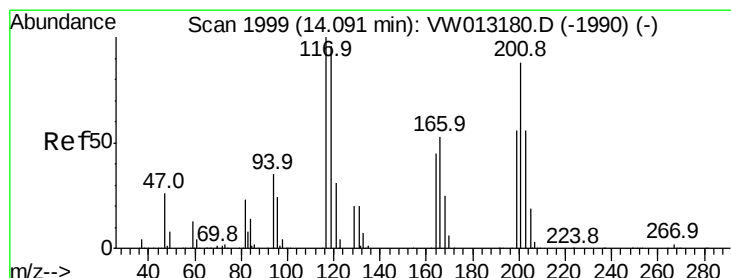
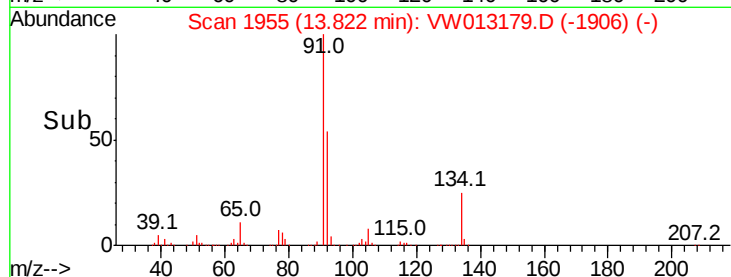
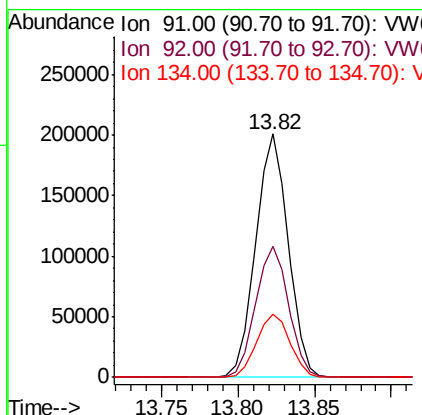
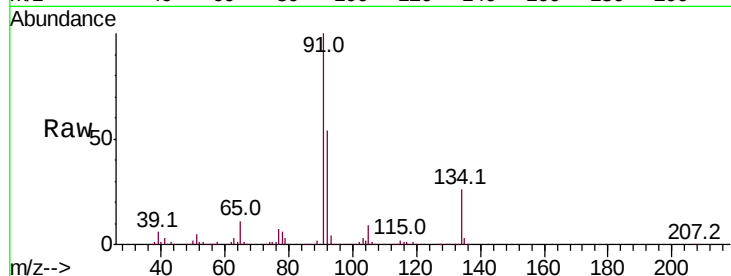




#89
n-Butylbenzene
Concen: 20.403 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

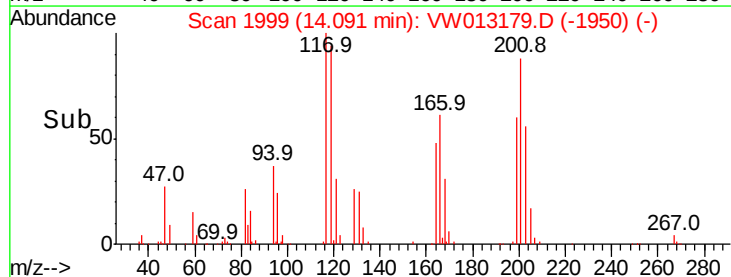
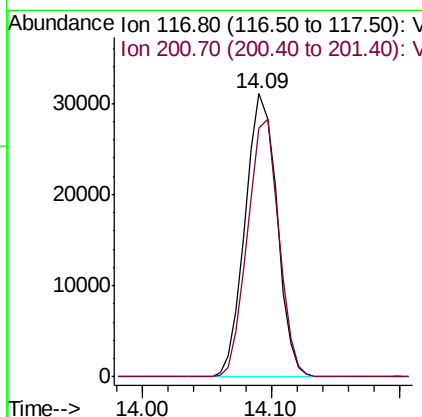
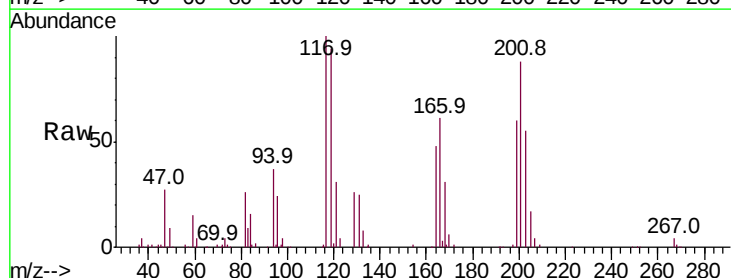
Instrument :
MSVOA_W
ClientSampled :

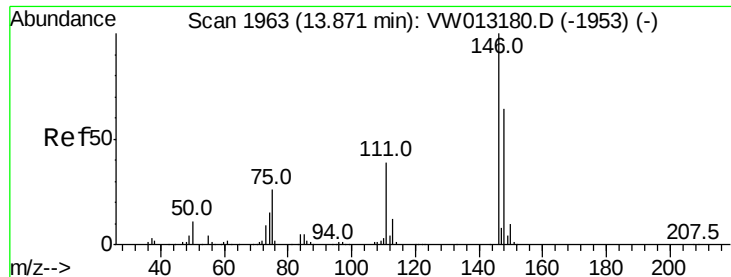
Tot Ion: 91 Resp: 297577
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.8
134 26.8 13.7 41.1



#90
Hexachloroethane
Concen: 19.181 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 117 Resp: 53019
Ion Ratio Lower Upper
117 100
201 89.5 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 20.719 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

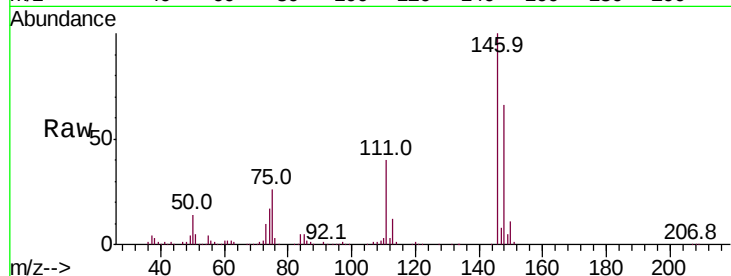
Tot Ion:146 Resp: 136372

Ion Ratio Lower Upper

146 100

111 40.5 20.1 60.3

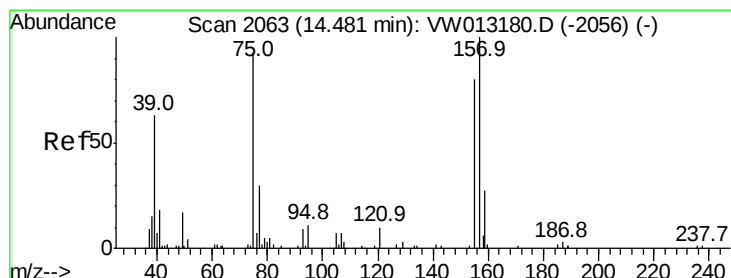
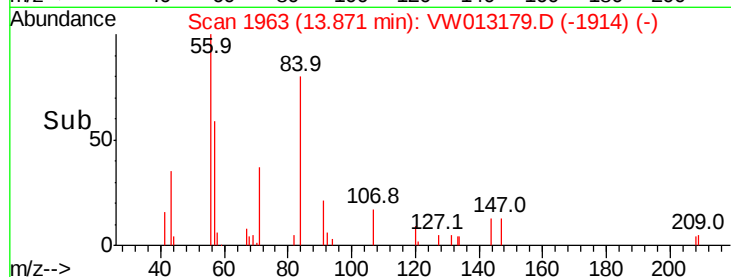
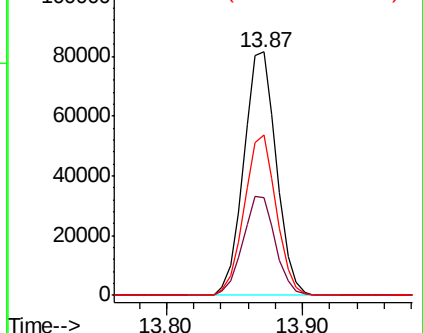
148 64.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.212 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

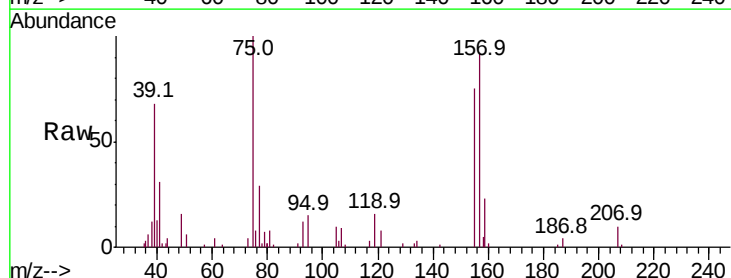
Tgt Ion: 75 Resp: 8779

Ion Ratio Lower Upper

75 100

155 91.3 46.1 138.3

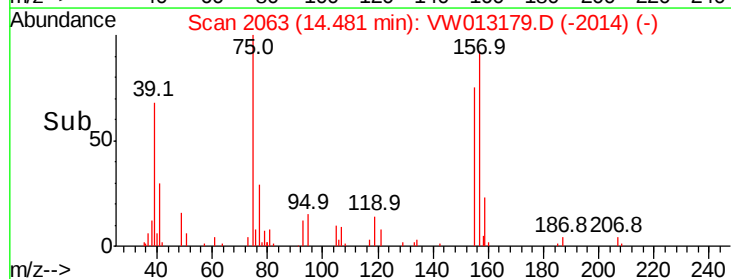
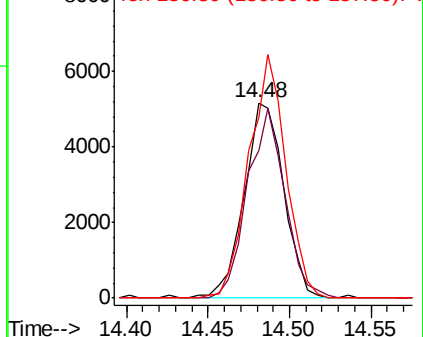
157 115.8 60.4 181.2

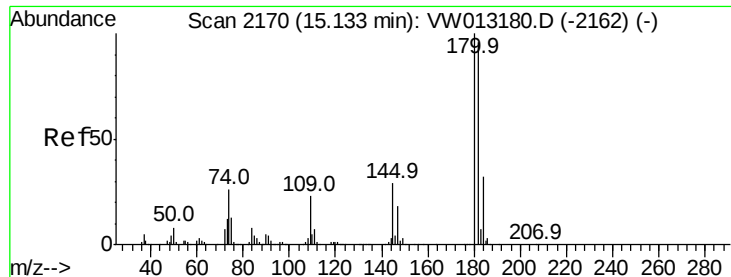


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

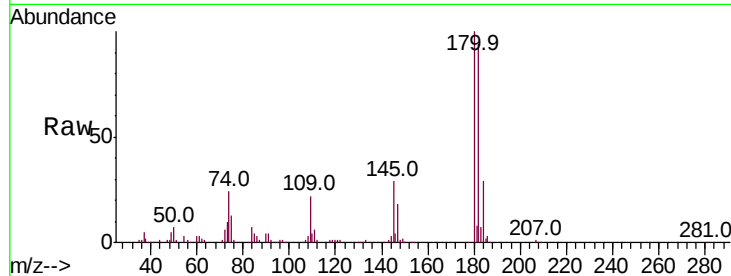




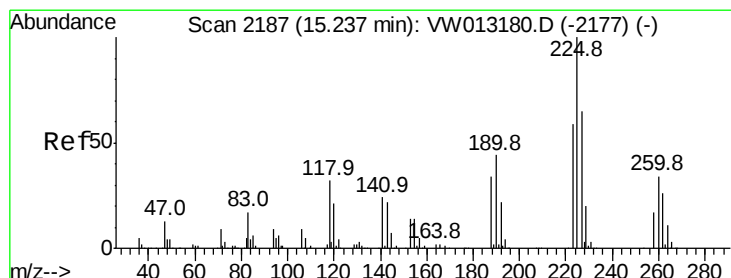
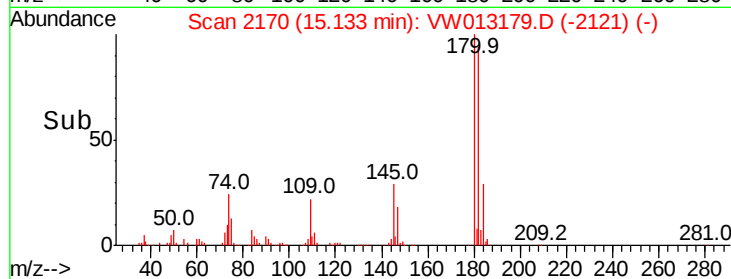
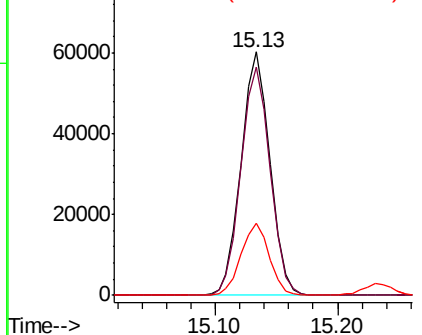
#93
 1,2,4-Trichlorobenzene
 Concen: 20.943 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	28.9	14.2	42.8

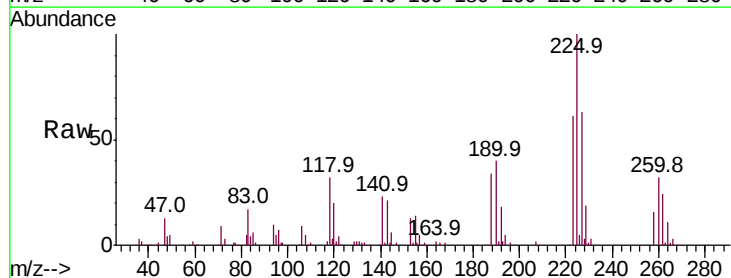


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

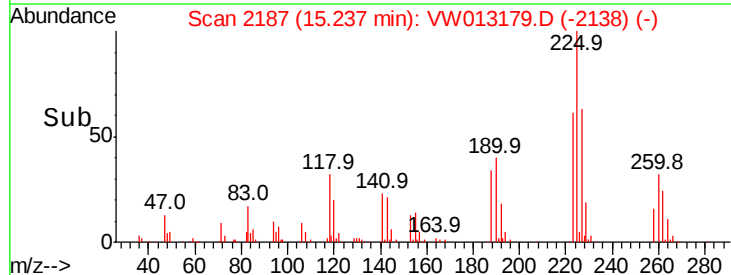
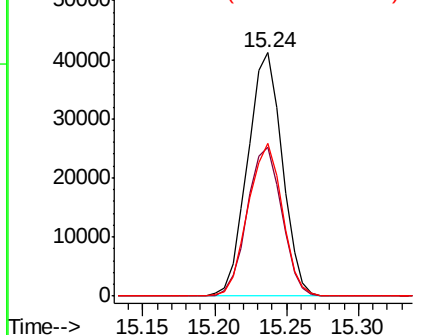


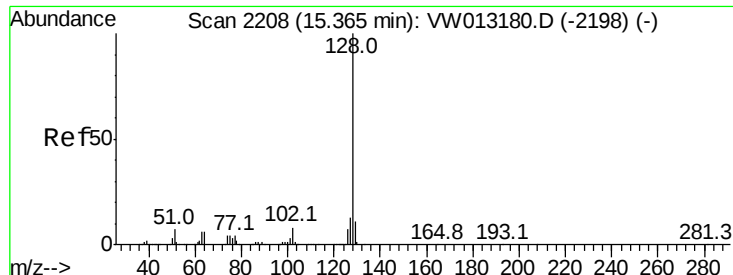
#94
 Hexachlorobutadiene
 Concen: 20.602 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	62.3	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

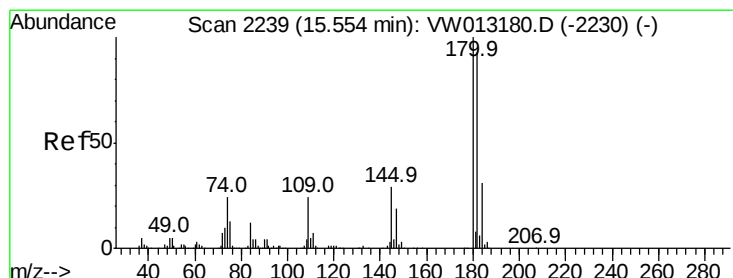
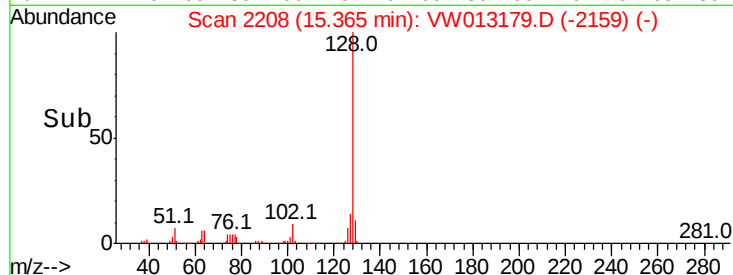
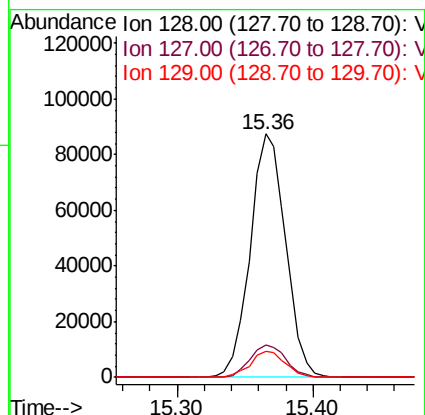
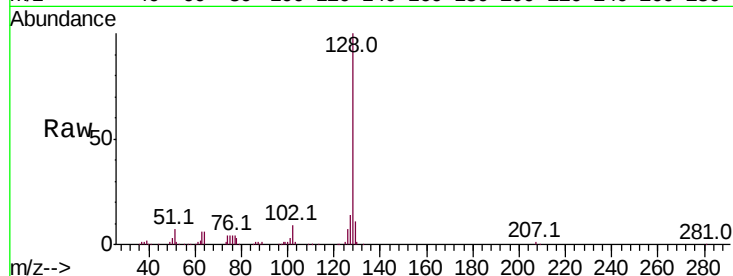




#95
Naphthalene
Concen: 20.419 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 159217
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.251 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:180 Resp: 83920
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 29.9 15.0 45.0

