

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011868.D
 Acq On : 12 Aug 2019 23:53
 Operator : SY/VA
 Sample : VW0812SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132657	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	7.88	113	105120	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.32	98	416687	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	146682	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25616	23.342	ug/l	97
3) Chloromethane	2.21	50	41460	21.787	ug/l	97
4) Vinyl Chloride	2.36	62	48117	21.002	ug/l	97
5) Bromomethane	2.76	94	25796	20.342	ug/l	100
6) Chloroethane	2.92	64	27391	20.930	ug/l	100
7) Trichlorofluoromethane	3.25	101	21953	21.441	ug/l	95
8) Diethyl Ether	3.68	74	26319	22.671	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42840	22.056	ug/l	97
10) Methyl Iodide	4.28	142	60148	21.913	ug/l	98
11) Tert butyl alcohol	5.17	59	16493	87.227	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	42944	20.940	ug/l	97
13) Acrolein	3.90	56	11210	69.094	ug/l	97
14) Allyl chloride	4.67	41	94197	21.596	ug/l	98
15) Acrylonitrile	5.37	53	64973	112.117	ug/l	99
16) Acetone	4.12	43	58477	81.302	ug/l	99
17) Carbon Disulfide	4.39	76	128968	20.093	ug/l	98
18) Methyl Acetate	4.67	43	41512	25.691	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74657	22.941	ug/l	98
20) Methylene Chloride	4.92	84	56301	22.697	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	48188	21.795	ug/l	98
22) Diisopropyl ether	6.31	45	189992	23.103	ug/l	96
23) Vinyl Acetate	6.26	43	546823	105.823	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99447	22.580	ug/l	99
25) 2-Butanone	7.17	43	90662	96.329	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50849	18.773	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	52803	21.700	ug/l	99
28) Bromochloromethane	7.51	49	47366	24.229	ug/l #	98
29) Tetrahydrofuran	7.53	42	59993	111.515	ug/l	99
30) Chloroform	7.68	83	93233	22.945	ug/l	99
31) Cyclohexane	7.96	56	88385	20.906	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	70360	22.737	ug/l	99
36) 1,1-Dichloropropene	8.08	75	71803	20.348	ug/l	99
37) Ethyl Acetate	7.25	43	41652	20.516	ug/l	98
38) Carbon Tetrachloride	8.07	117	62018	20.530	ug/l	98

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Quant Time: Aug 13 09:23:53 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77491	19.943	ug/l	99
40) Benzene	8.32	78	208795	21.124	ug/l	98
41) Methacrylonitrile	7.48	41	23749	19.569	ug/l	93
42) 1,2-Dichloroethane	8.40	62	67984	21.968	ug/l	100
43) Isopropyl Acetate	8.43	43	76782	20.565	ug/l	97
44) Trichloroethene	9.09	130	49493	20.833	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57103	21.591	ug/l	98
46) Dibromomethane	9.46	93	25892	21.450	ug/l	99
47) Bromodichloromethane	9.65	83	67569	21.340	ug/l	98
48) Methyl methacrylate	9.43	41	37488	20.902	ug/l	99
49) 1,4-Dioxane	9.45	88	7655	437.980	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	202142	104.085	ug/l	99
52) Toluene	10.38	92	124059	20.784	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	67263	20.336	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80812	20.548	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	36508	21.316	ug/l	99
56) Ethyl methacrylate	10.65	69	51166	20.416	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68443	21.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	129615	113.905	ug/l	99
59) 2-Hexanone	10.97	43	132602	96.703	ug/l	99
60) Dibromochloromethane	11.13	129	39976	21.028	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32895	20.296	ug/l	97
64) Tetrachloroethene	10.86	164	41310	21.272	ug/l	96
65) Chlorobenzene	11.66	112	126225	21.050	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	45119	21.601	ug/l	98
67) Ethyl Benzene	11.73	91	239243	20.948	ug/l	100
68) m/p-Xylenes	11.84	106	174230	41.949	ug/l	100
69) o-Xylene	12.16	106	80234	20.788	ug/l	98
70) Styrene	12.18	104	141064	21.139	ug/l	99
71) Bromoform	12.35	173	22032	20.688	ug/l #	96
73) Isopropylbenzene	12.46	105	220736	20.712	ug/l	99
74) N-amyl acetate	12.27	43	66323	19.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43833	21.866	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	56643	37.473	ug/l #	100
77) Bromobenzene	12.75	156	49904	21.185	ug/l	100
78) n-propylbenzene	12.80	91	269956	20.814	ug/l	100
79) 2-Chlorotoluene	12.89	91	159091	21.292	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190562	21.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12771	19.472	ug/l	93
82) 4-Chlorotoluene	12.99	91	163475	20.852	ug/l	99
83) tert-Butylbenzene	13.21	119	159084	21.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	188826	20.983	ug/l	99
85) sec-Butylbenzene	13.38	105	221280	20.759	ug/l	100
86) p-Isopropyltoluene	13.50	119	198863	20.562	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96198	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93886	20.434	ug/l	98
89) n-Butylbenzene	13.82	91	190055	19.691	ug/l	99
90) Hexachloroethane	14.09	117	35401	20.700	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	84744	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6861	20.071	ug/l	98

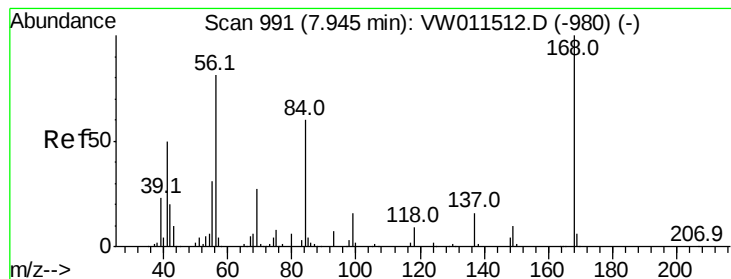
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54483	18.924	ug/l	98
94) Hexachlorobutadiene	15.24	225	34827	19.398	ug/l	96
95) Naphthalene	15.36	128	95300	18.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	47446	18.801	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: VW011868.D

Acq: 12 Aug 2019 23:53

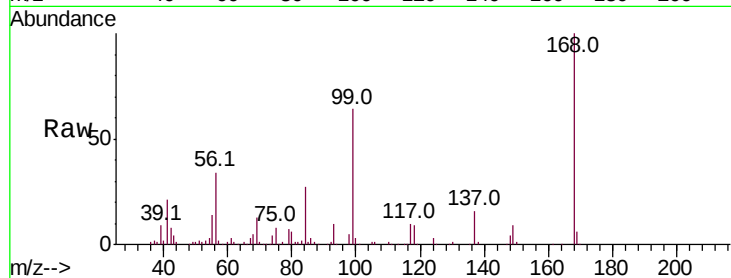
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 196914

Ion Ratio Lower Upper

168 100

99 63.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

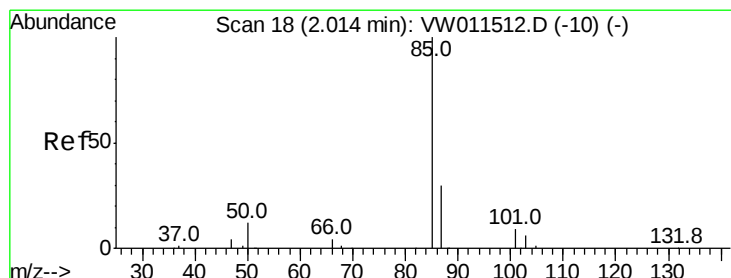
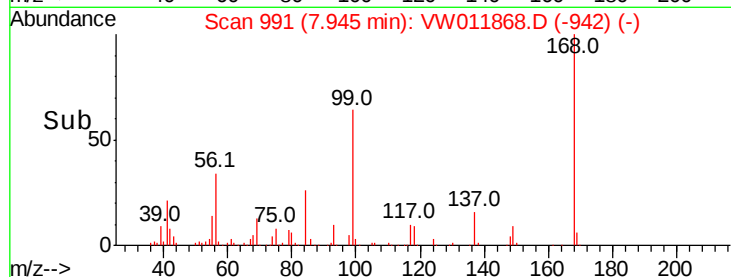
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.342 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011868.D

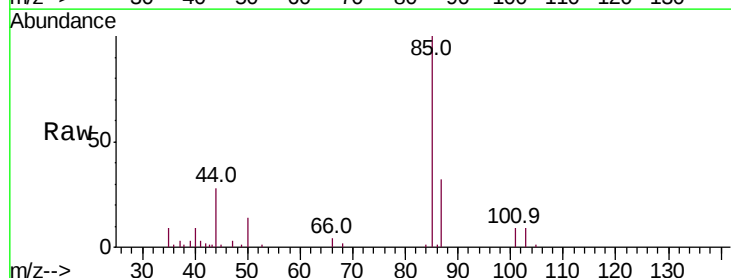
Acq: 12 Aug 2019 23:53

Tgt Ion: 85 Resp: 25616

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

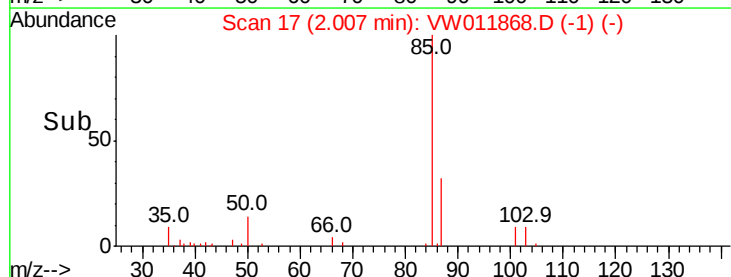
4000

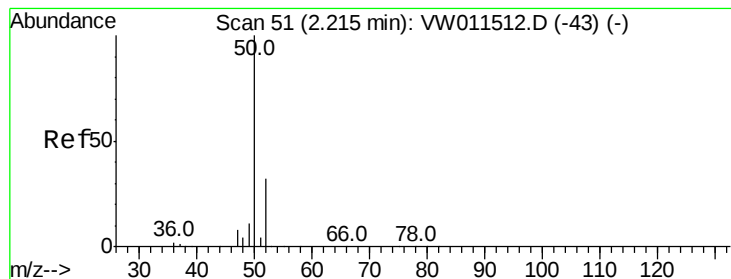
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.787 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

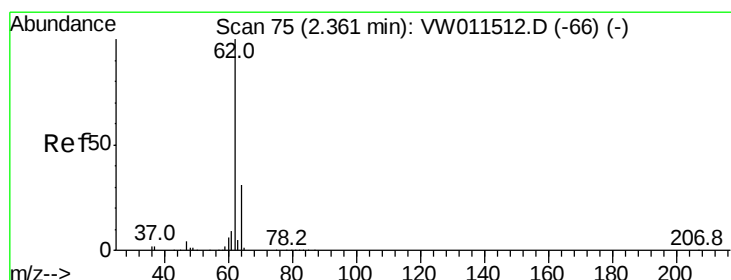
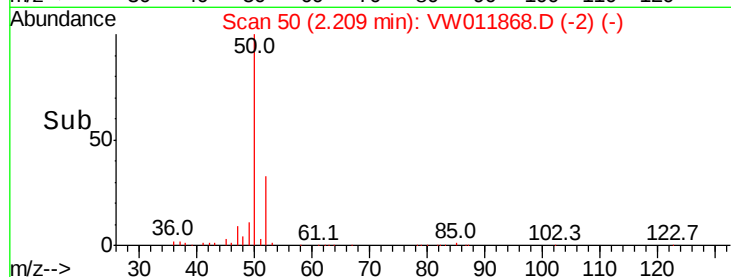
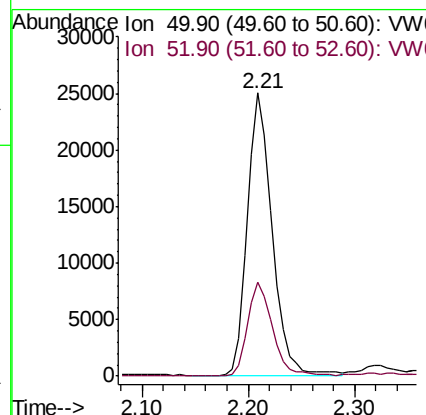
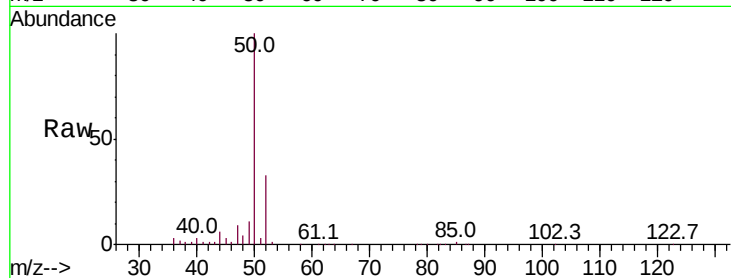
ClientSampled :

Tot Ion: 50 Resp: 41460

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 21.002 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011868.D

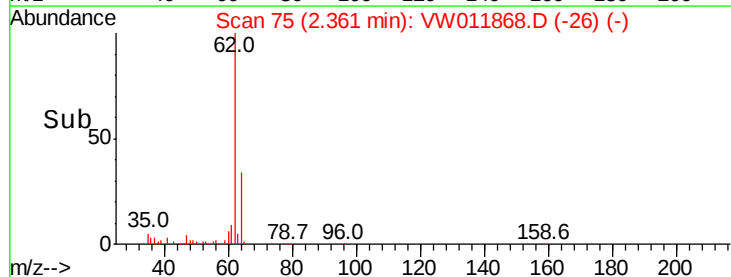
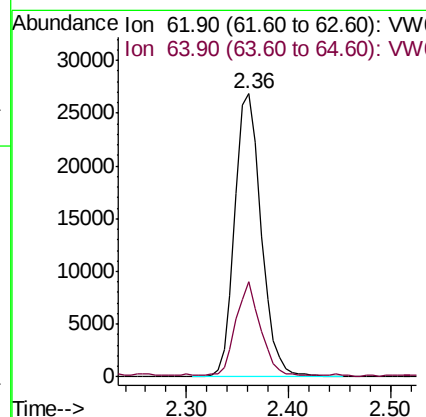
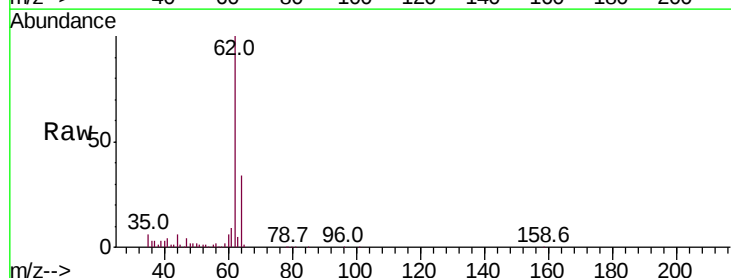
Acq: 12 Aug 2019 23:53

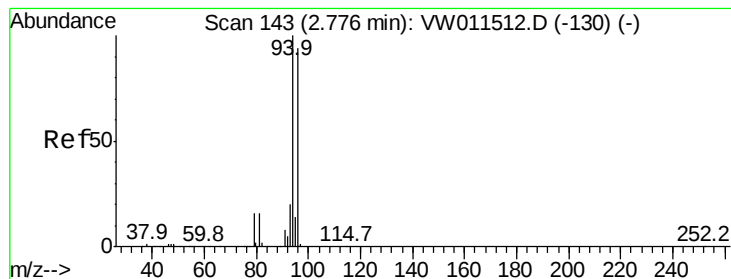
Tgt Ion: 62 Resp: 48117

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 20.342 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

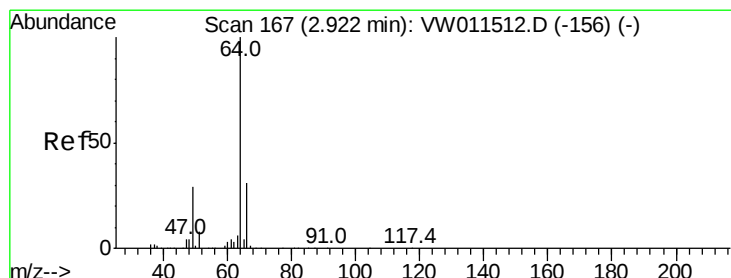
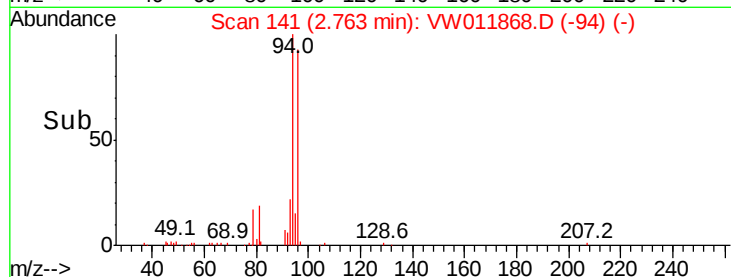
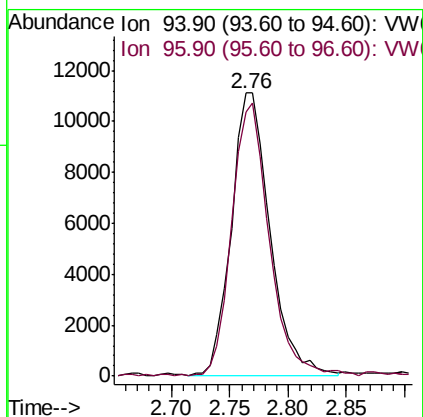
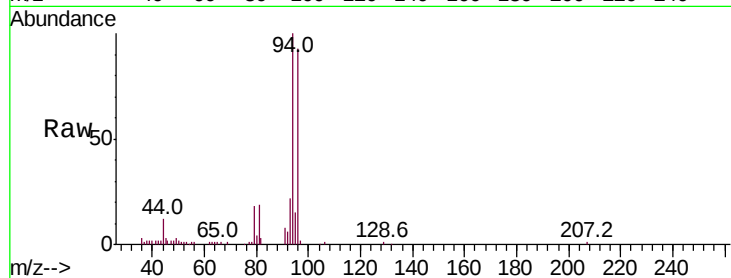
ClientSampleId :

Tot Ion: 94 Resp: 25796

Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.6



#6

Chloroethane

Concen: 20.930 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011868.D

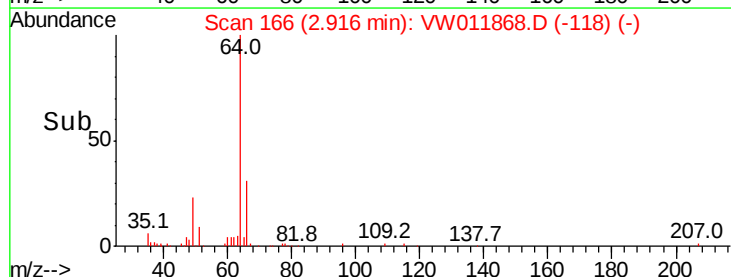
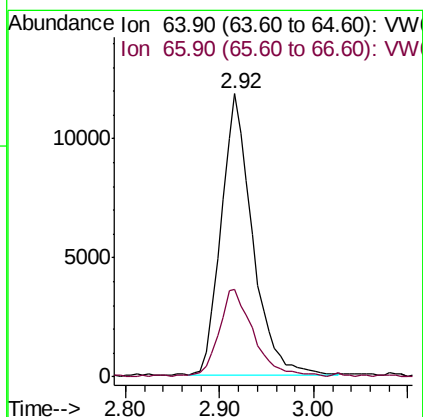
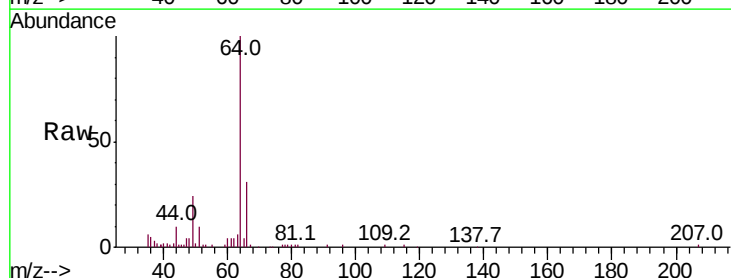
Acq: 12 Aug 2019 23:53

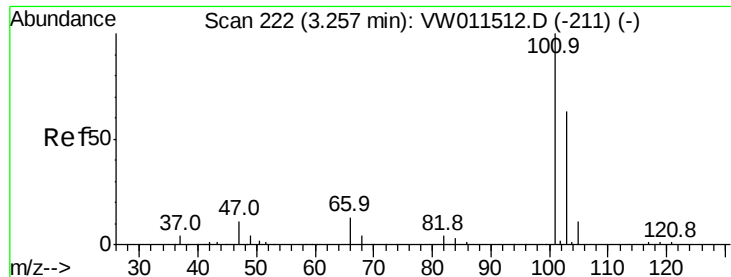
Tgt Ion: 64 Resp: 27391

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8



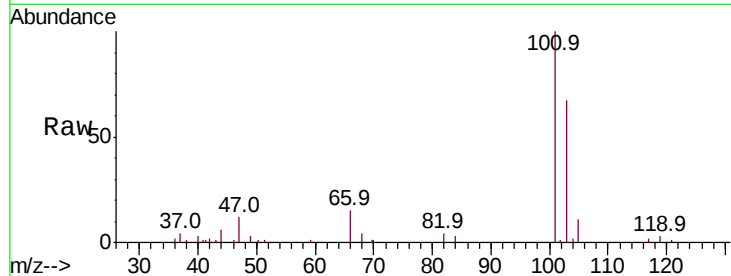


#7

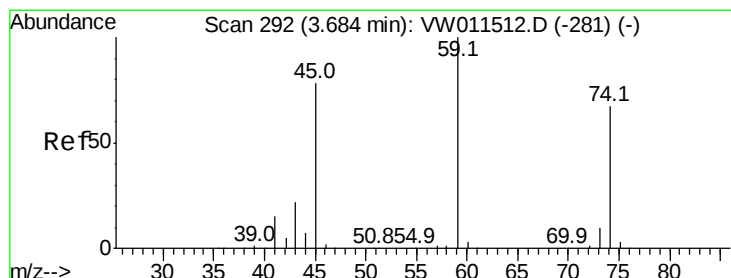
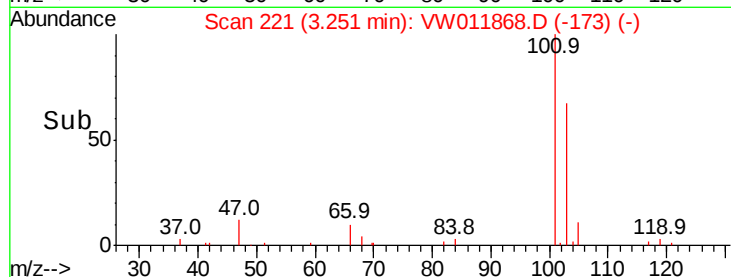
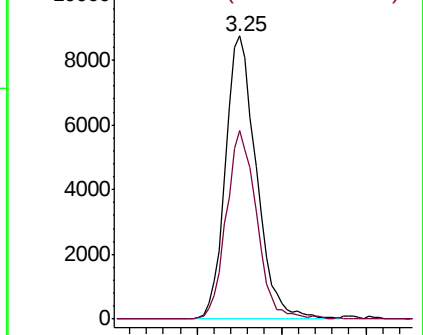
Trichlorofluoromethane
Concen: 21.441 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 21953
Ion Ratio Lower Upper
101 100
103 66.8 50.2 75.4



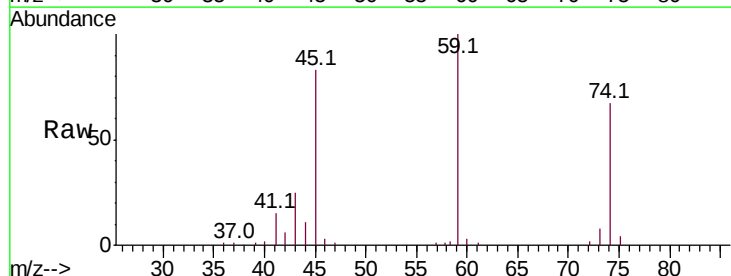
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



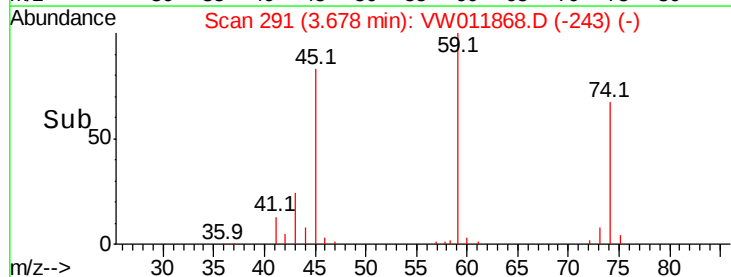
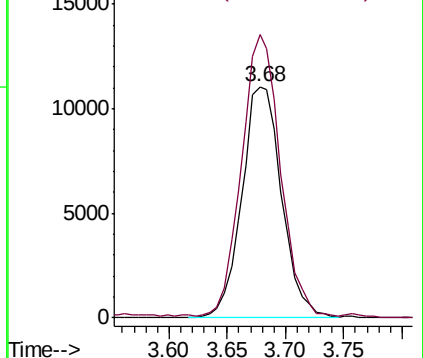
#8

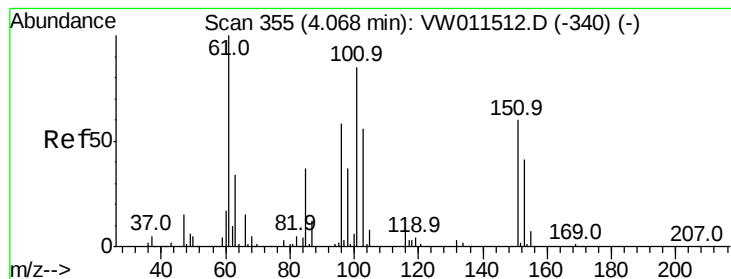
Diethyl Ether
Concen: 22.671 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 74 Resp: 26319
Ion Ratio Lower Upper
74 100
45 119.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.056 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampled :

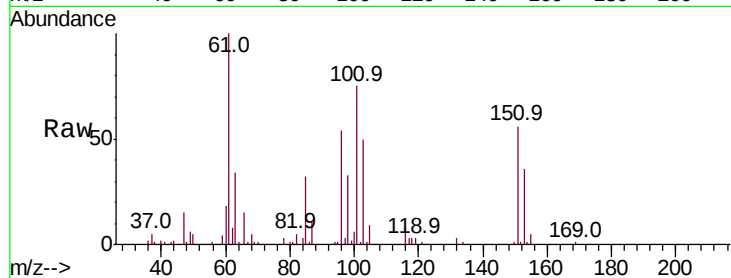
Tot Ion:101 Resp: 42840

Ion Ratio Lower Upper

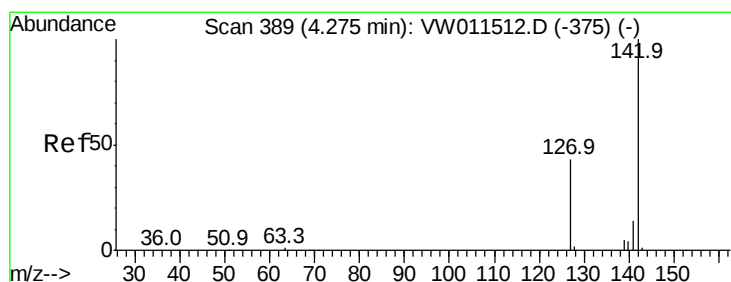
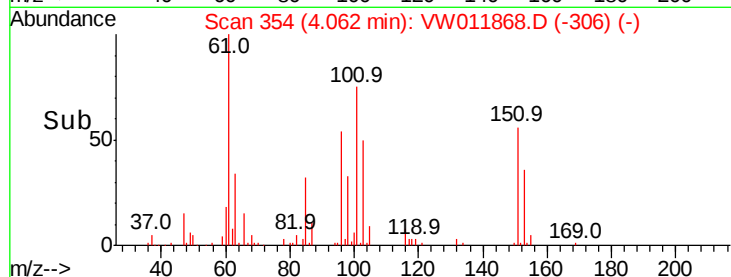
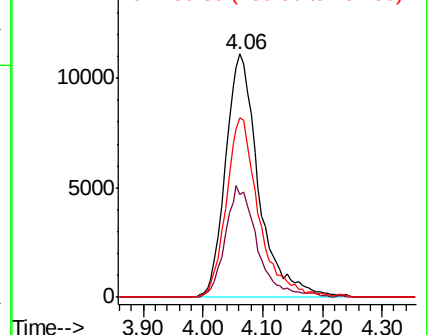
101 100

85 43.6 36.6 54.8

151 72.5 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V
15000 Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.913 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

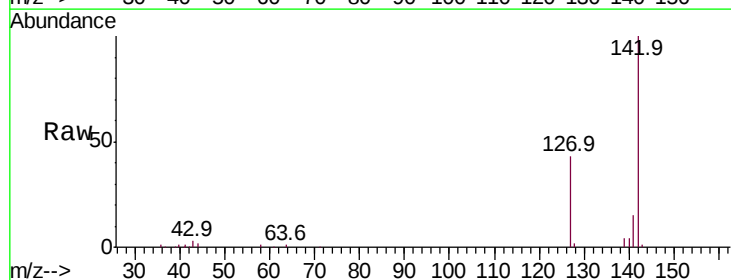
Tgt Ion:142 Resp: 60148

Ion Ratio Lower Upper

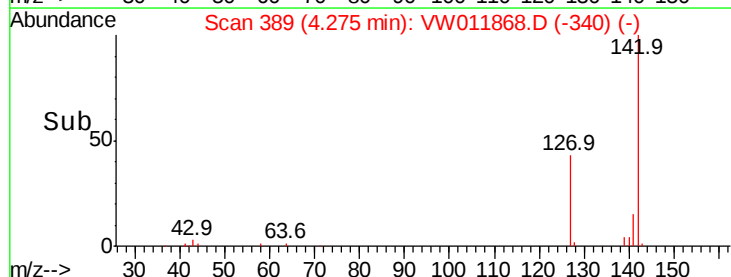
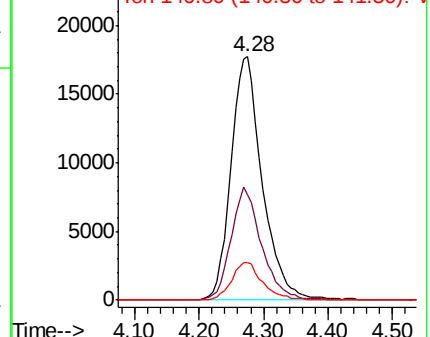
142 100

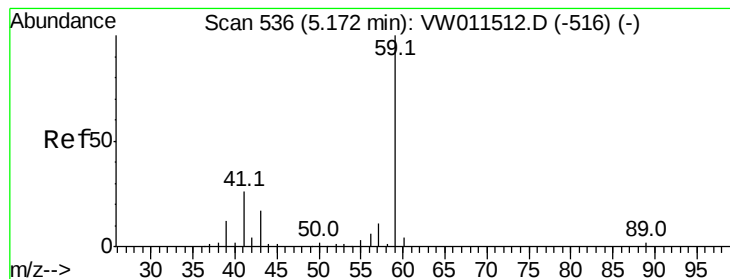
127 44.9 35.0 52.6

141 15.3 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
20000 Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 87.227 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

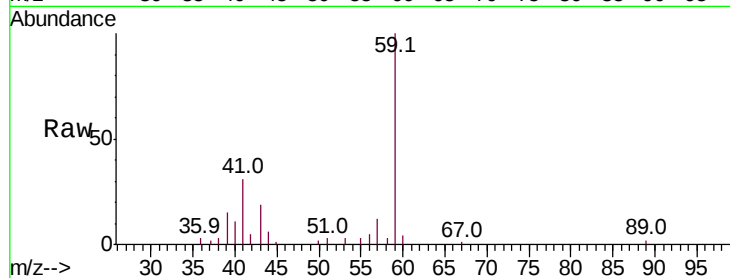
ClientSampleId :

Tot Ion: 59 Resp: 16493

Ion Ratio Lower Upper

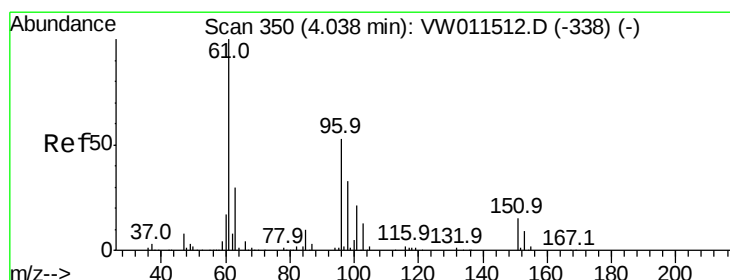
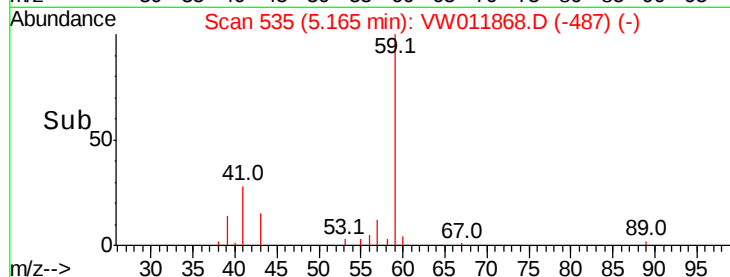
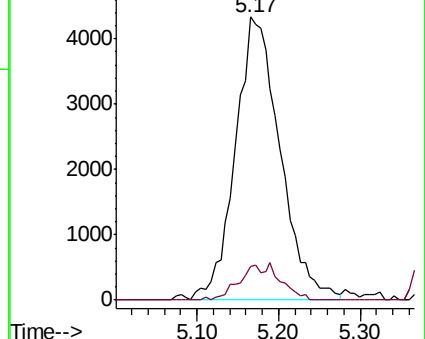
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.940 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

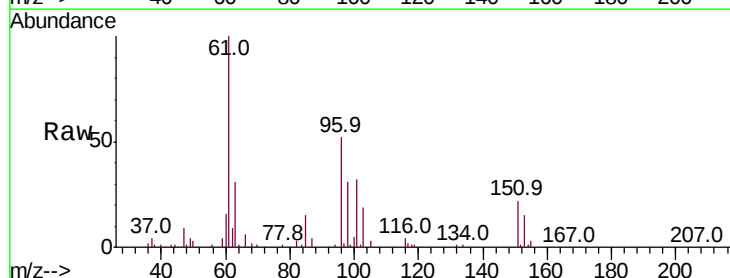
Tgt Ion: 96 Resp: 42944

Ion Ratio Lower Upper

96 100

61 191.0 149.9 224.9

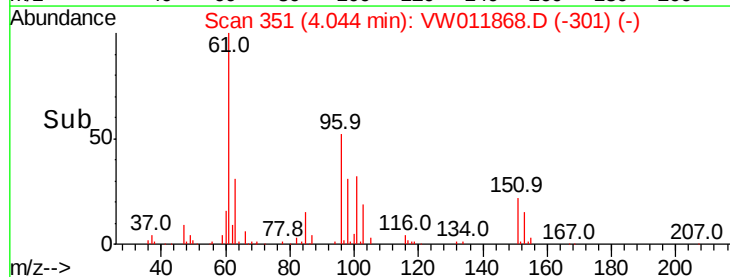
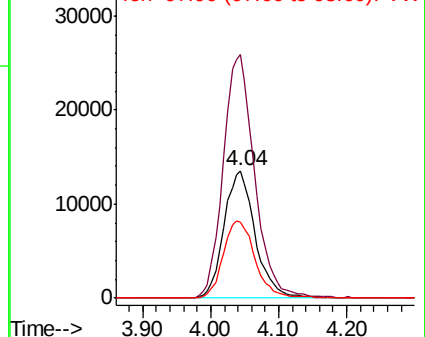
98 59.3 49.1 73.7

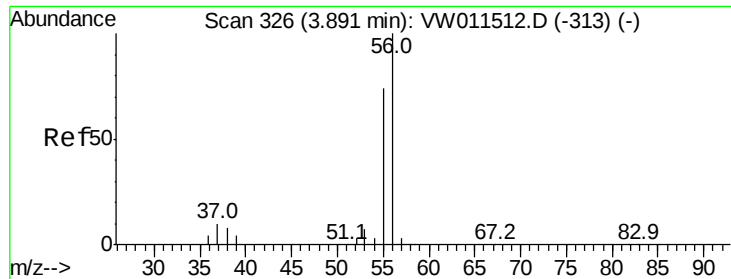


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 69.094 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

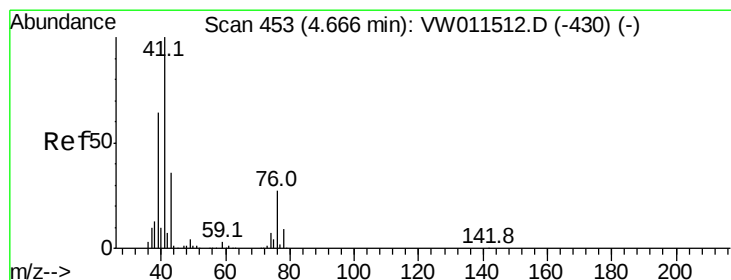
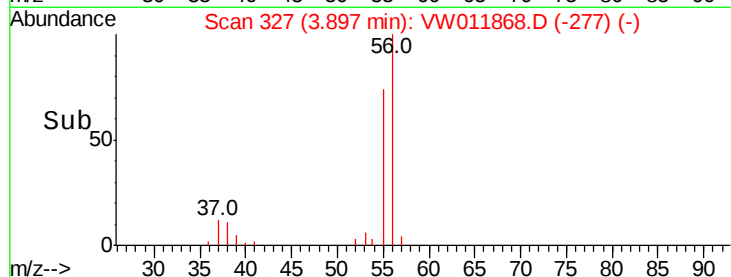
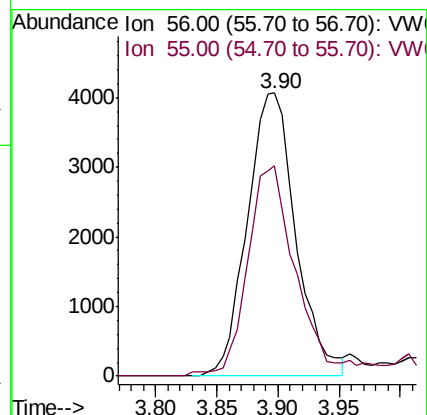
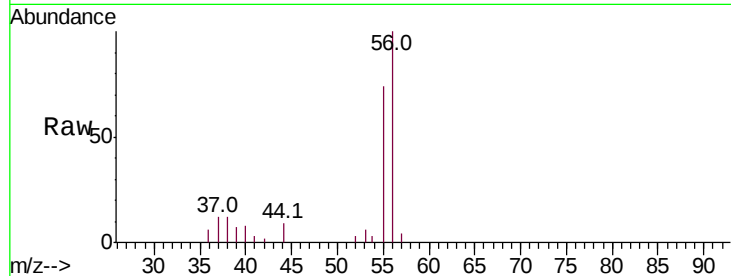
ClientSampleId :

Tot Ion: 56 Resp: 11210

Ion Ratio Lower Upper

56 100

55 72.5 56.0 84.0



#14

Allyl chloride

Concen: 21.596 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

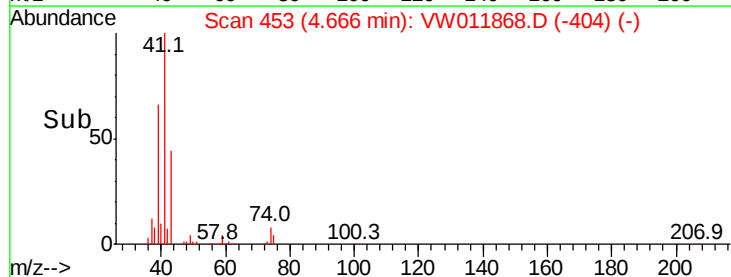
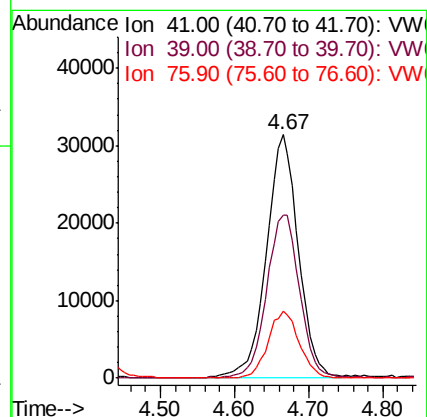
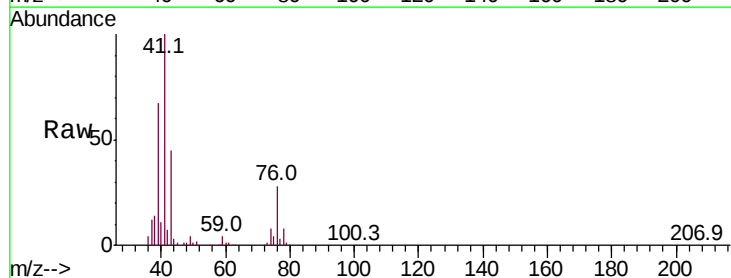
Tgt Ion: 41 Resp: 94197

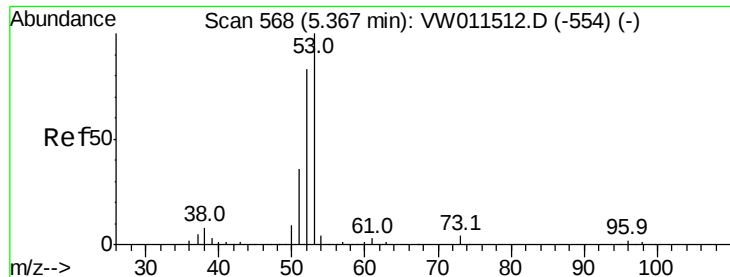
Ion Ratio Lower Upper

41 100

39 67.8 52.6 78.8

76 26.8 22.0 33.0





#15

Acrylonitrile

Concen: 112.117 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

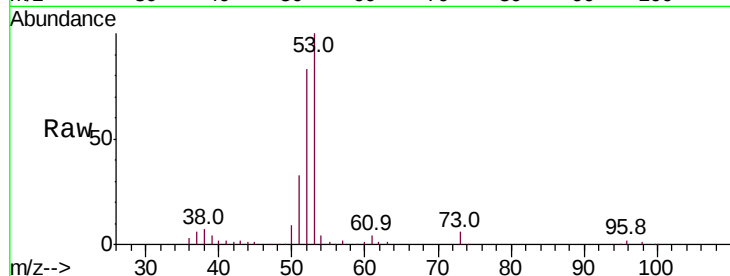
Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 64973

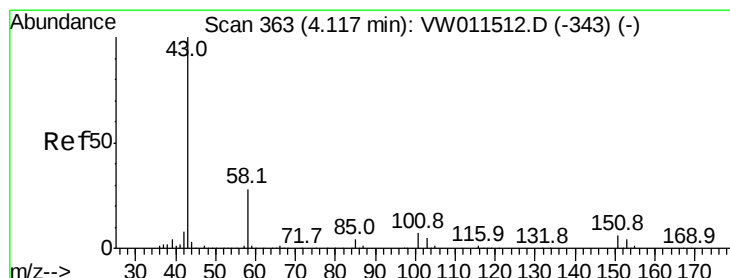
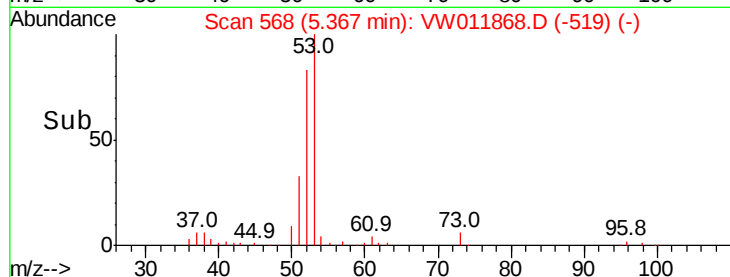
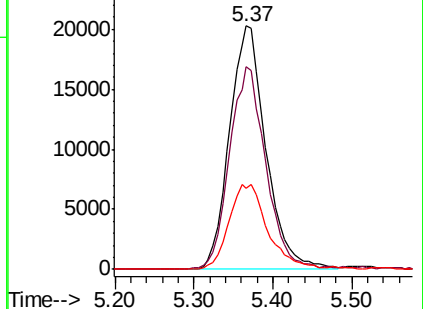
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	37.2	30.0	45.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 81.302 ug/l

RT: 4.12 min Scan# 364

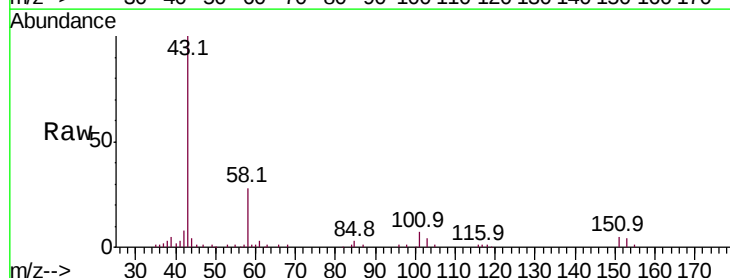
Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

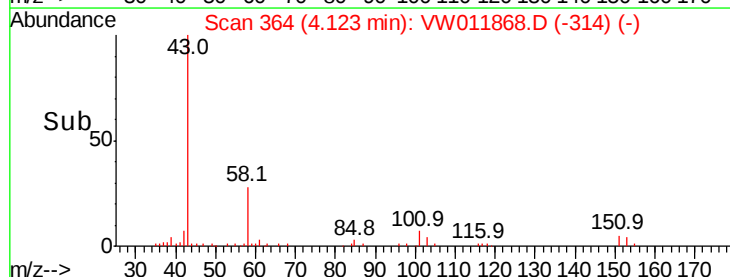
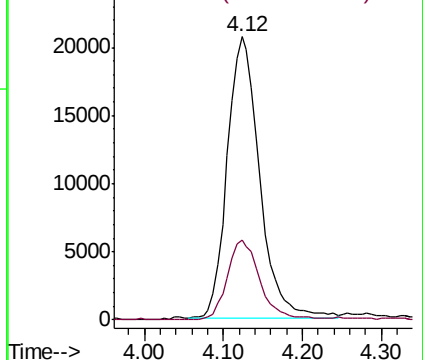
Tgt Ion: 43 Resp: 58477

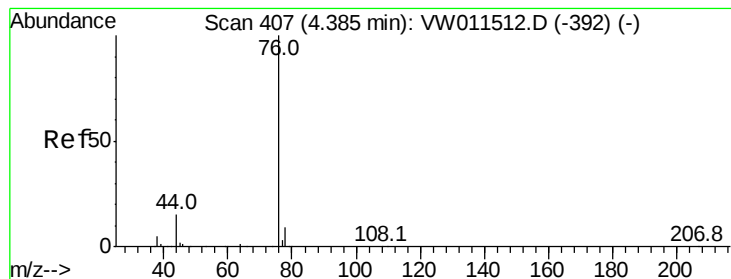
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.093 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

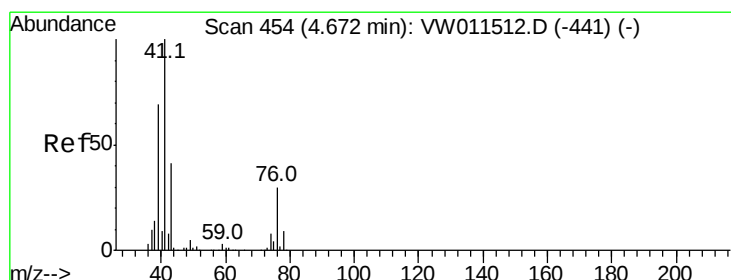
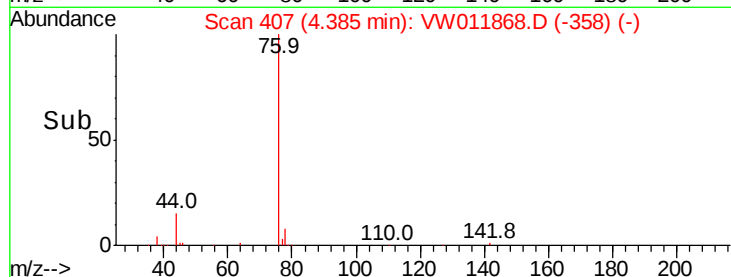
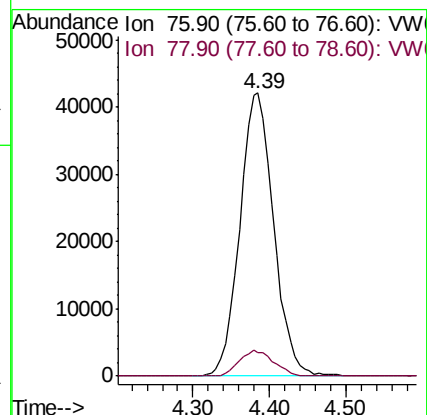
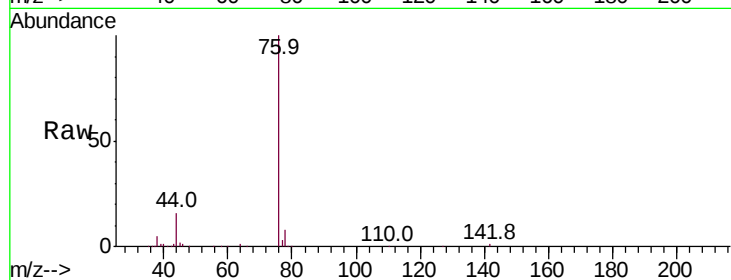
ClientSampleId :

Tot Ion: 76 Resp: 128968

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



#18

Methyl Acetate

Concen: 25.691 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011868.D

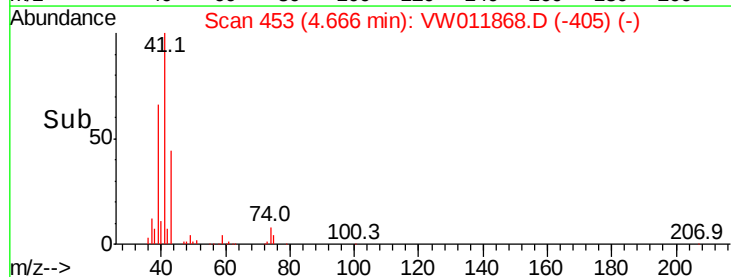
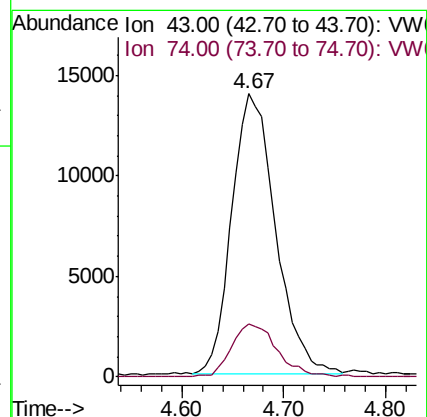
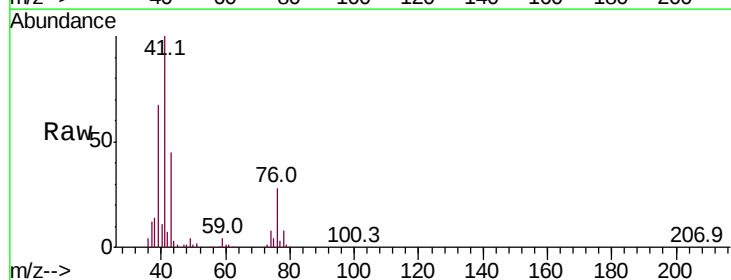
Acq: 12 Aug 2019 23:53

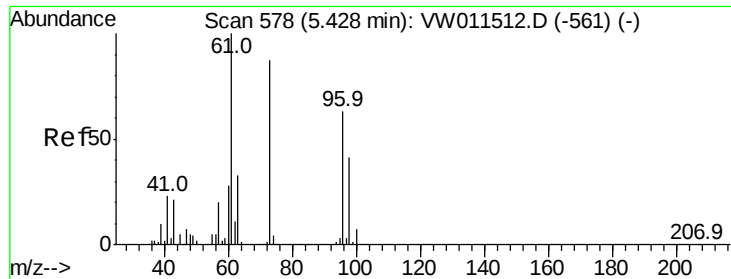
Tgt Ion: 43 Resp: 41512

Ion Ratio Lower Upper

43 100

74 19.8 15.9 23.9

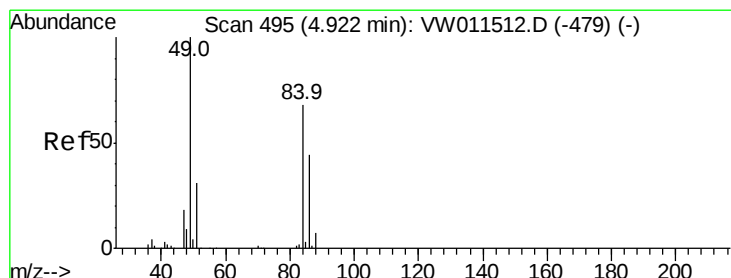
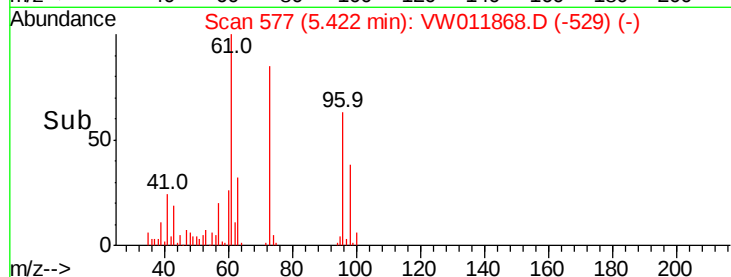
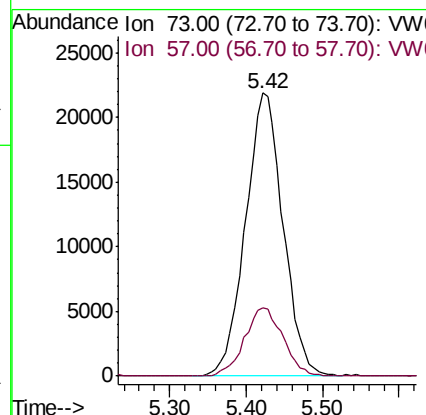
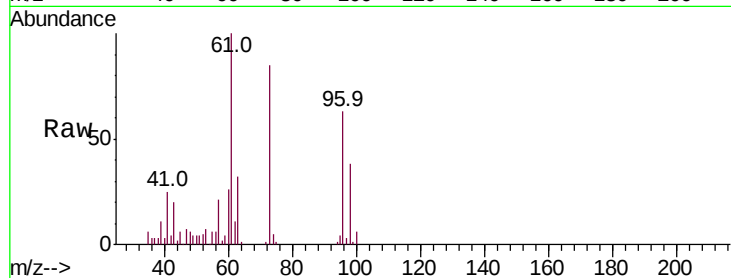




#19
Methyl tert-butyl Ether
Concen: 22.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

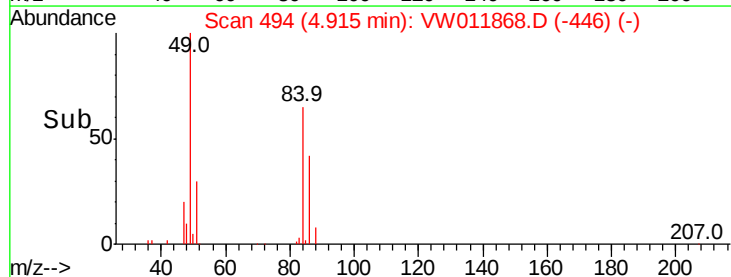
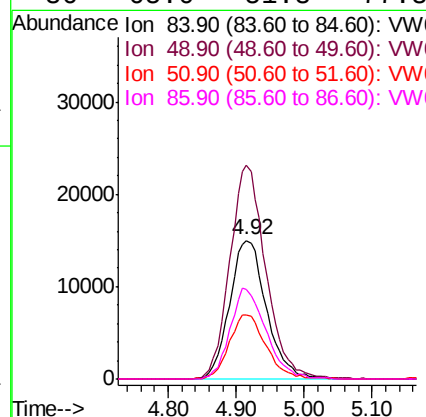
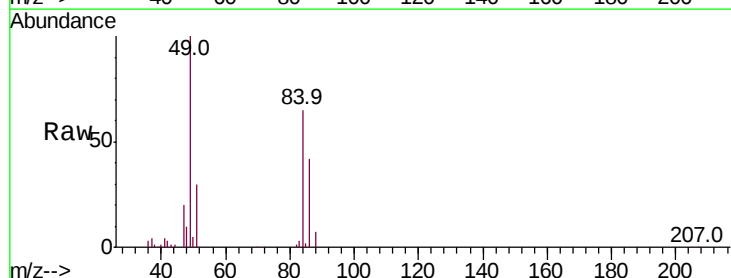
Instrument :
MSVOA_W
ClientSampled :

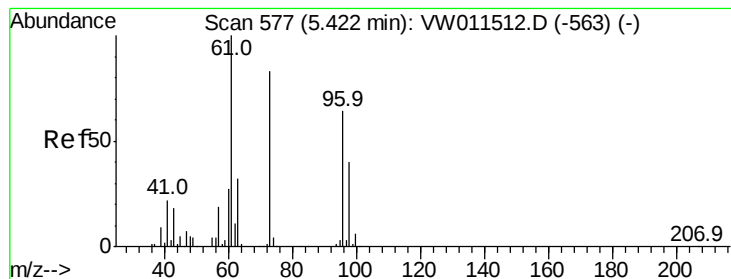
Tot Ion: 73 Resp: 74657
Ion Ratio Lower Upper
73 100
57 24.2 18.4 27.6



#20
Methylene Chloride
Concen: 22.697 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 84 Resp: 56301
Ion Ratio Lower Upper
84 100
49 154.1 117.8 176.6
51 46.2 37.0 55.4
86 65.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.795 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :

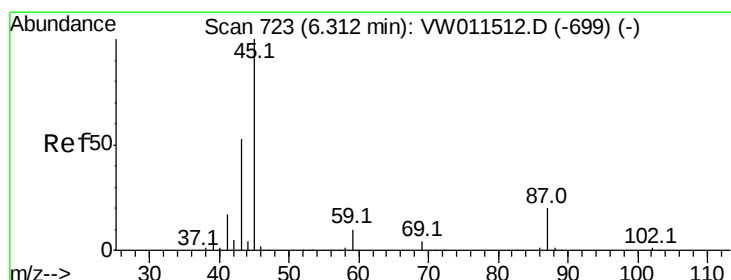
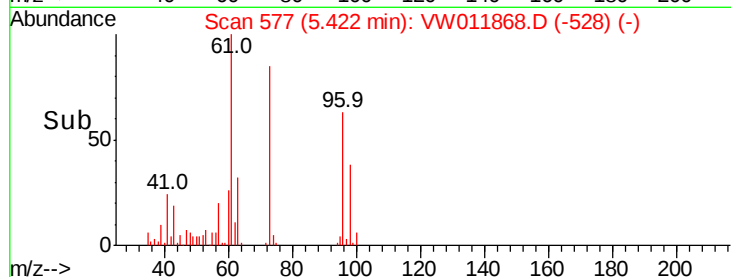
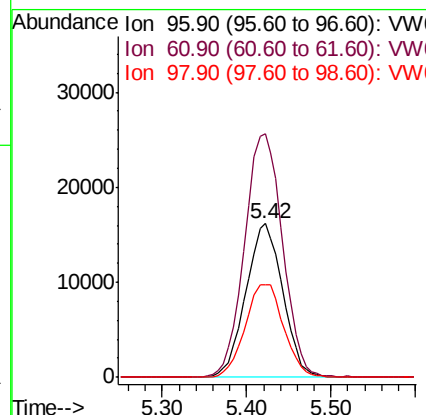
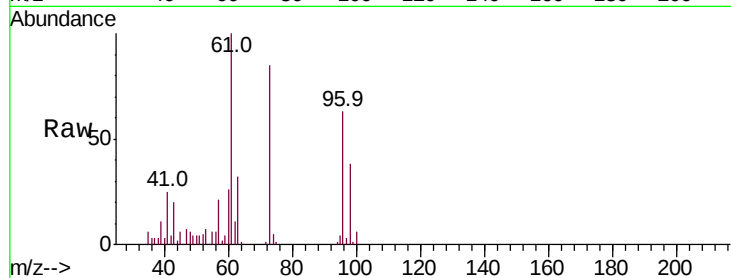
Tot Ion: 96 Resp: 48188

Ion Ratio Lower Upper

96 100

61 158.7 125.7 188.5

98 60.2 50.3 75.5



#22

Diisopropyl ether

Concen: 23.103 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion: 45 Resp: 189992

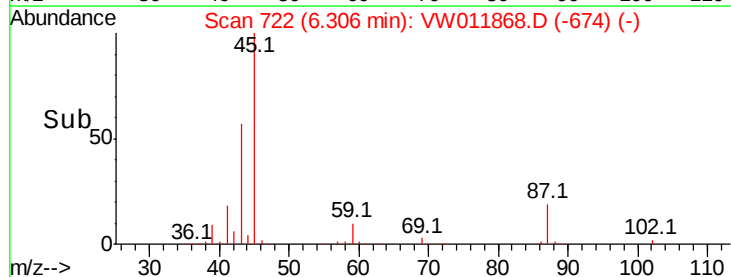
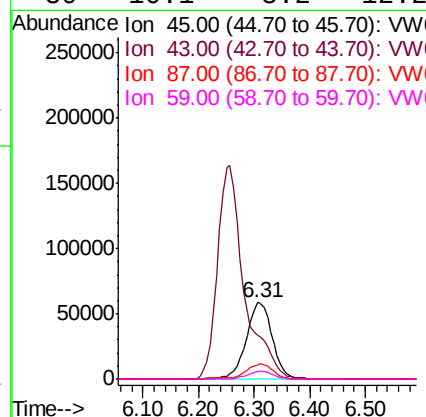
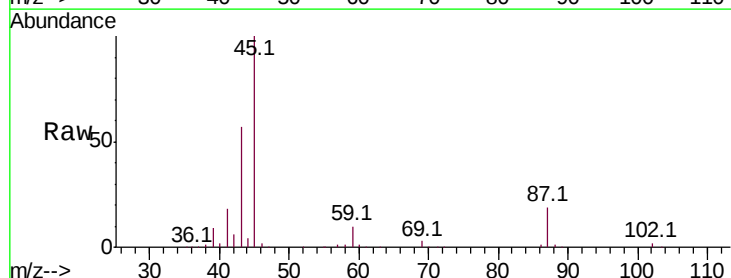
Ion Ratio Lower Upper

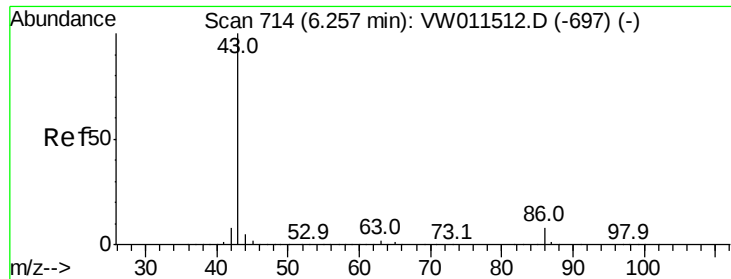
45 100

43 56.9 42.6 63.8

87 19.2 16.4 24.6

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 105.823 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

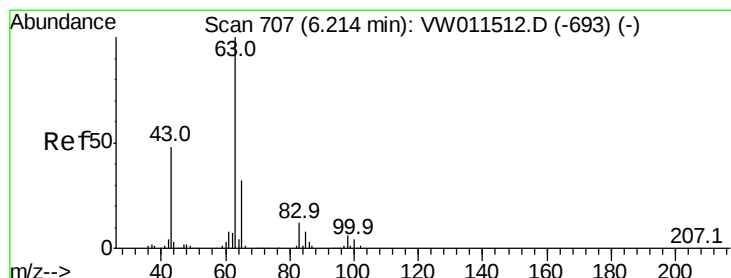
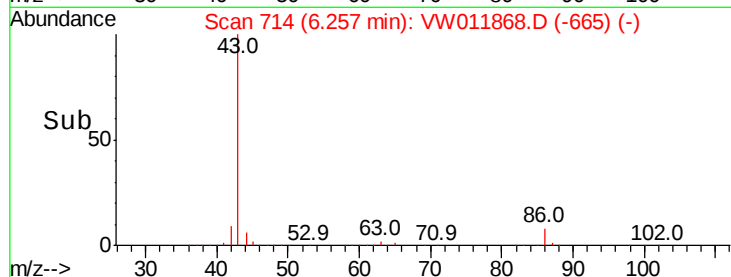
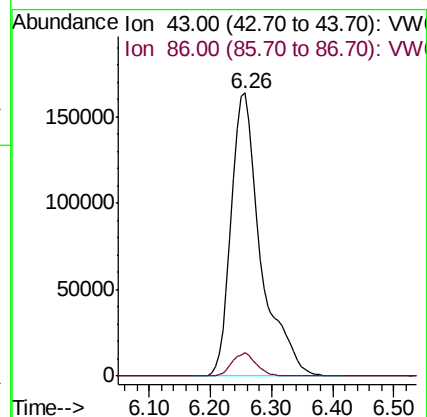
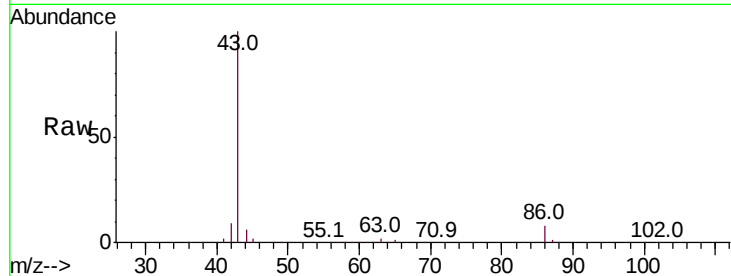
ClientSampleId :

Tot Ion: 43 Resp: 546823

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 22.580 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

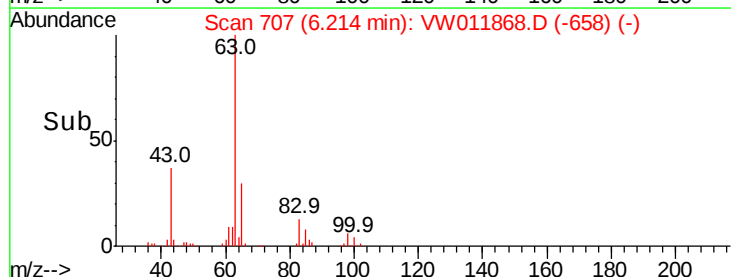
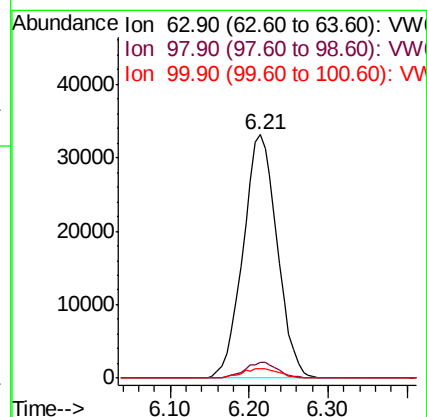
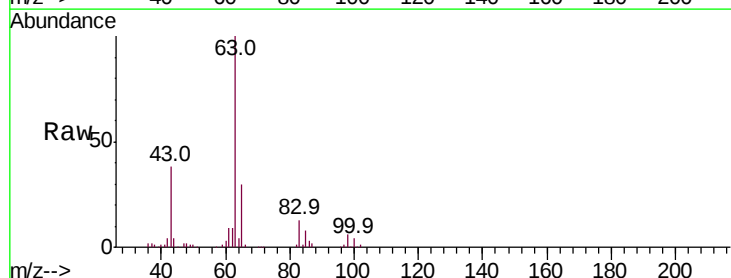
Tgt Ion: 63 Resp: 99447

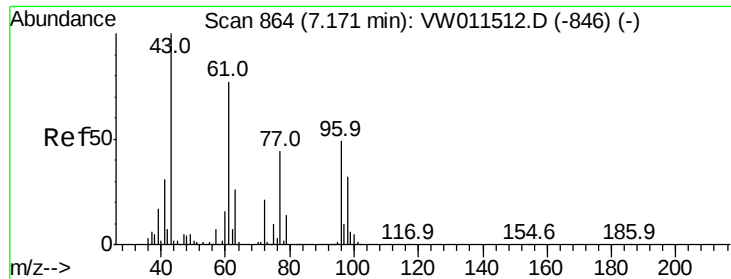
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 96.329 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

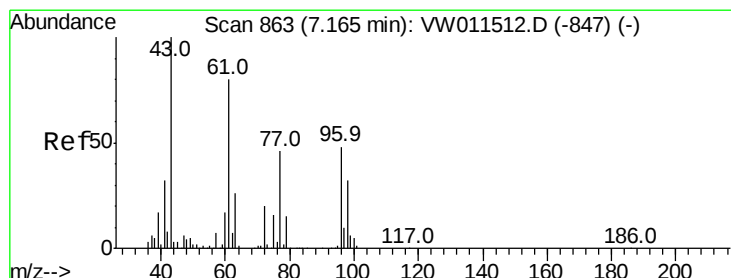
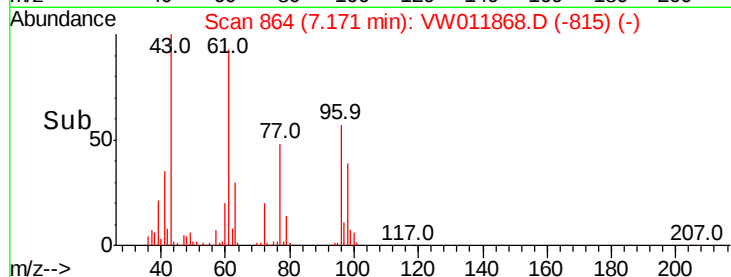
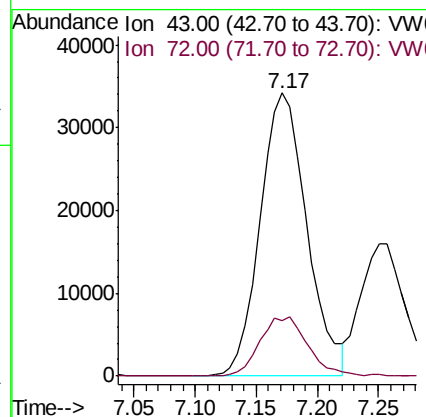
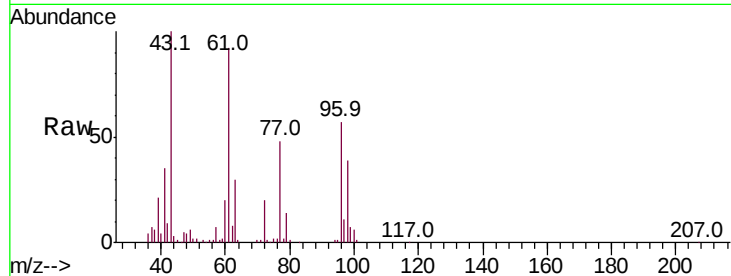
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 90662

Ion Ratio Lower Upper

43 100

72 19.8 16.6 24.8



#26

2,2-Dichloropropane

Concen: 18.773 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011868.D

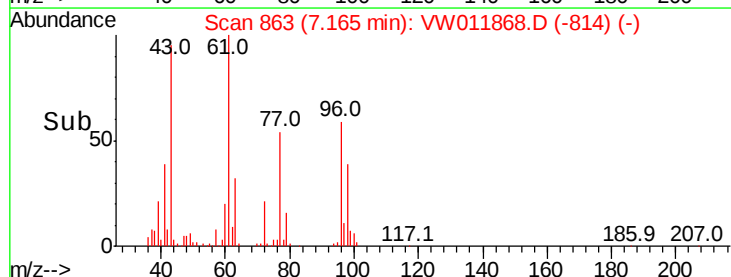
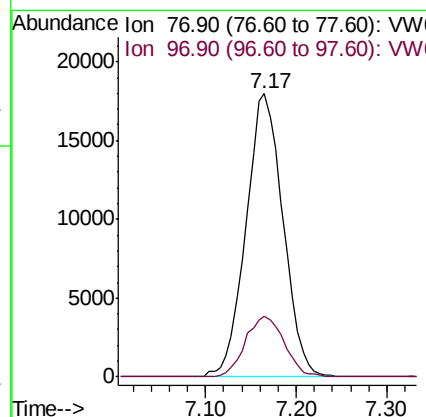
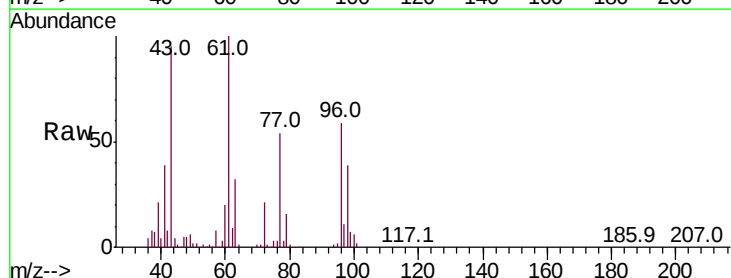
Acq: 12 Aug 2019 23:53

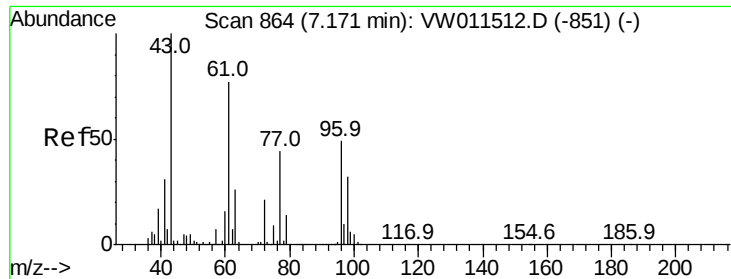
Tgt Ion: 77 Resp: 50849

Ion Ratio Lower Upper

77 100

97 22.6 10.8 32.4



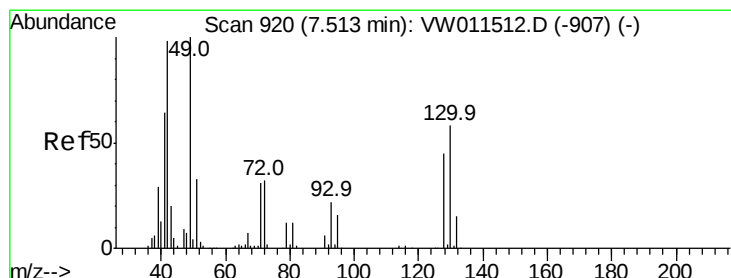
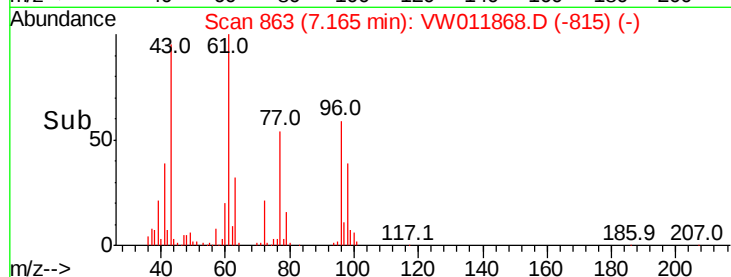
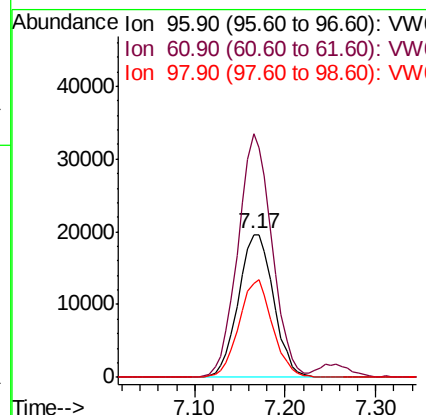
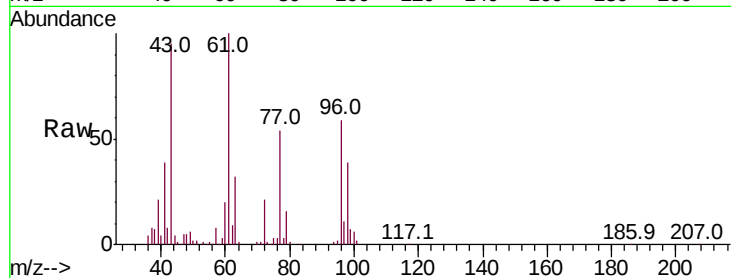


#27

cis-1,2-Dichloroethene
Concen: 21.700 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

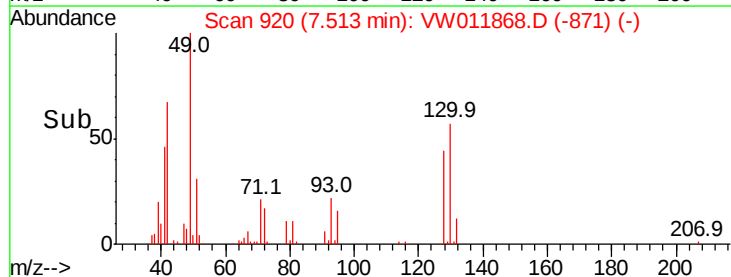
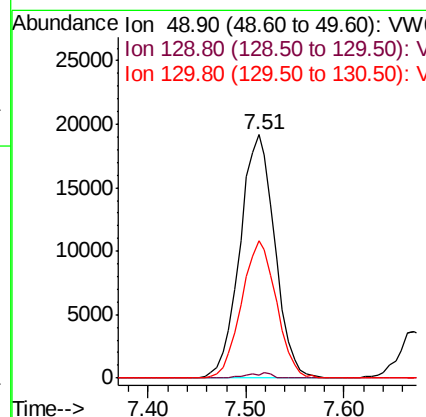
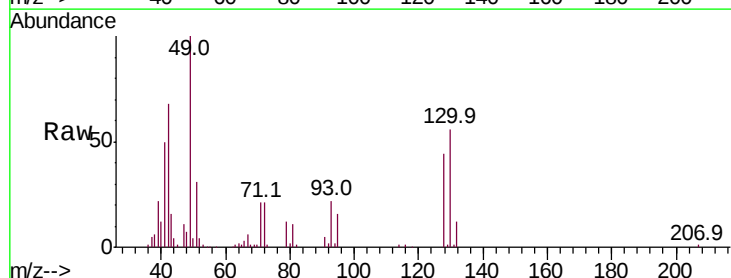
Tot Ion: 96 Resp: 52803
Ion Ratio Lower Upper
96 100
61 165.2 0.0 328.4
98 65.2 0.0 128.8

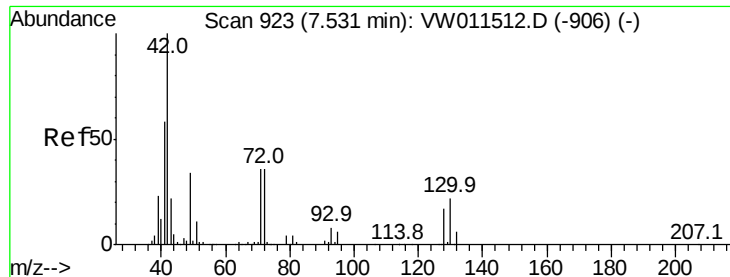


#28

Bromochloromethane
Concen: 24.229 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 49 Resp: 47366
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.0#
130 56.4 46.3 69.5

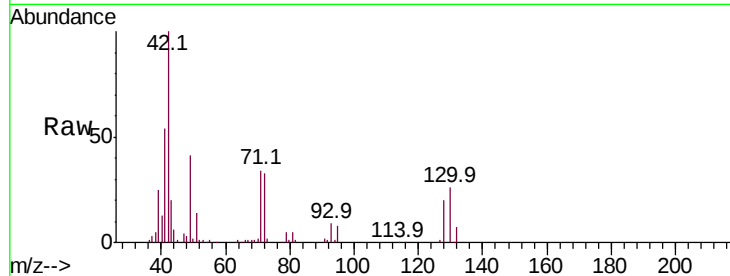




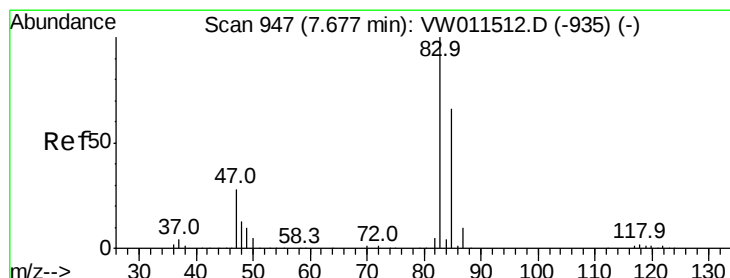
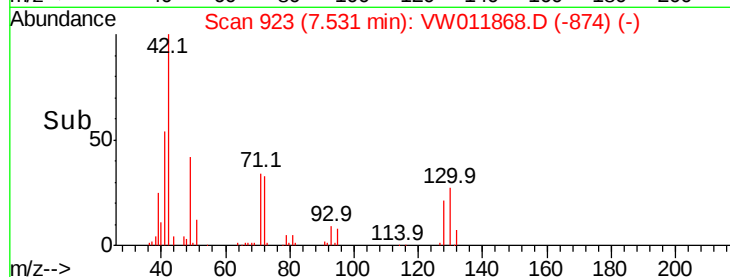
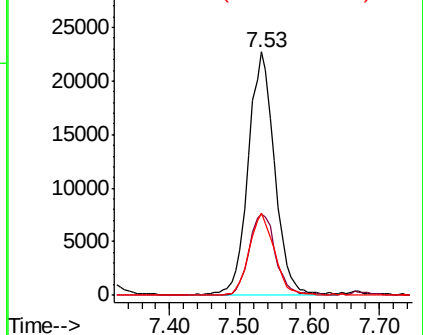
#29
Tetrahydrofuran
Concen: 111.515 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.1	40.7
71	32.1	26.2	39.4

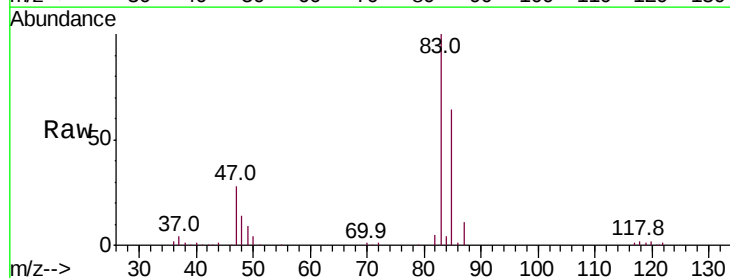


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

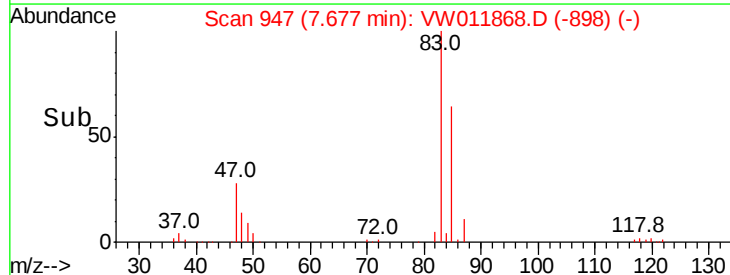
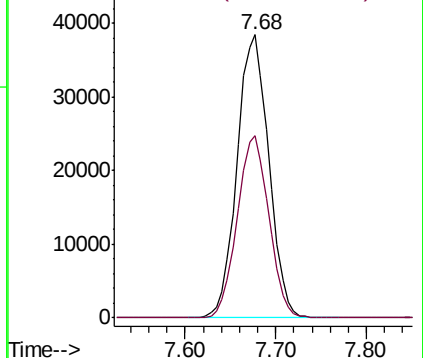


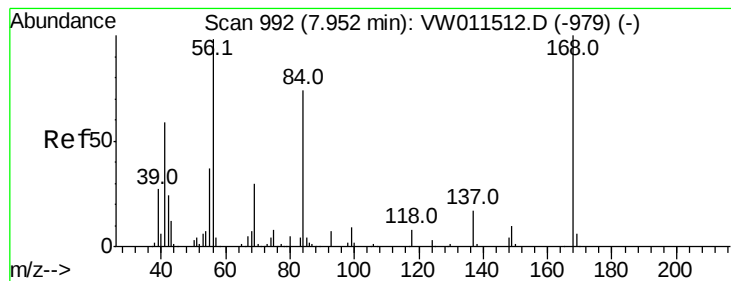
#30
Chloroform
Concen: 22.945 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.906 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

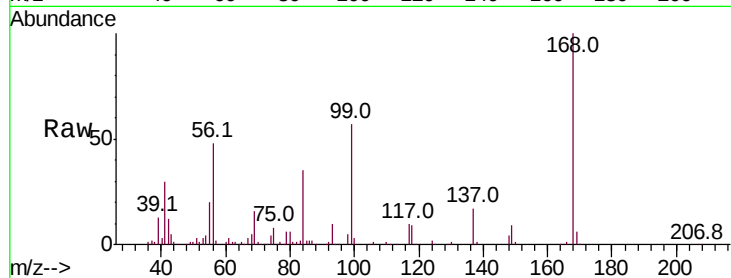
Tot Ion: 56 Resp: 88385

Ion Ratio Lower Upper

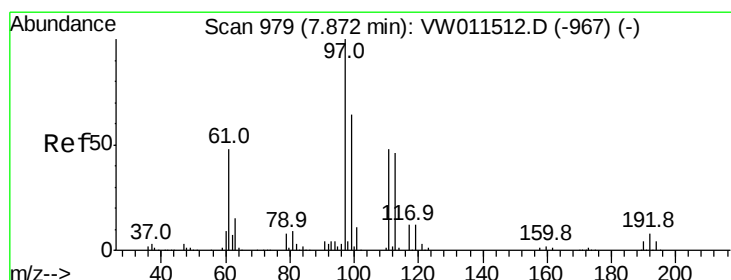
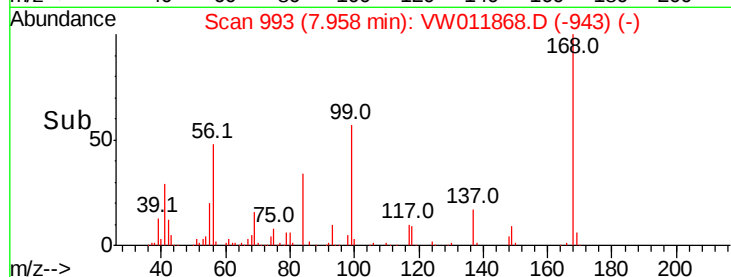
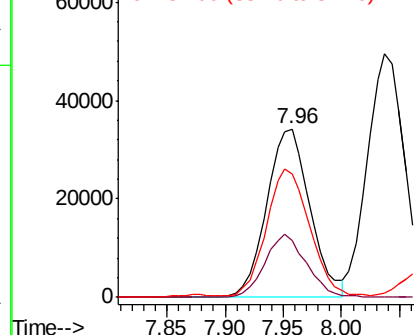
56 100

69 33.5 24.3 36.5

84 71.6 60.4 90.6



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: 22.737 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

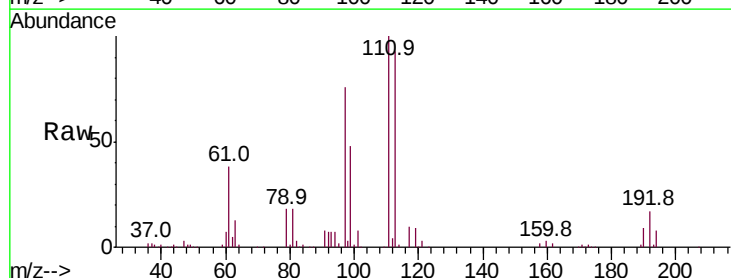
Tgt Ion: 97 Resp: 70360

Ion Ratio Lower Upper

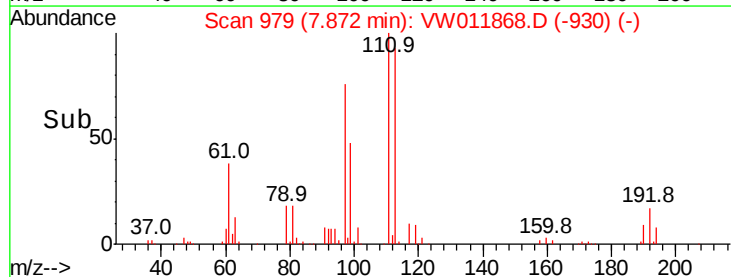
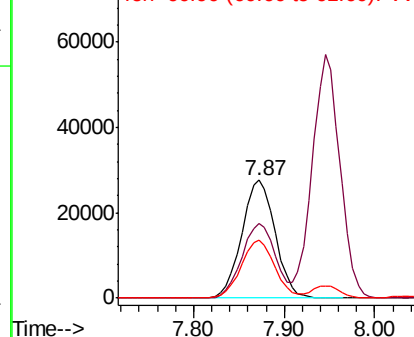
97 100

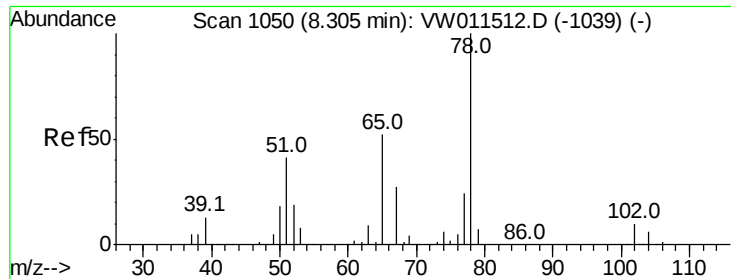
99 62.5 51.0 76.6

61 49.4 39.8 59.6



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: 58.669 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

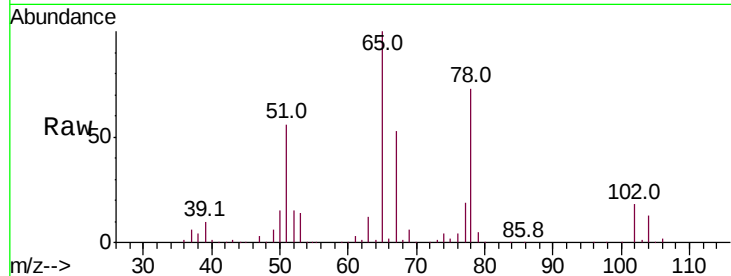
ClientSampleId :

Tot Ion: 65 Resp: 132657

Ion Ratio Lower Upper

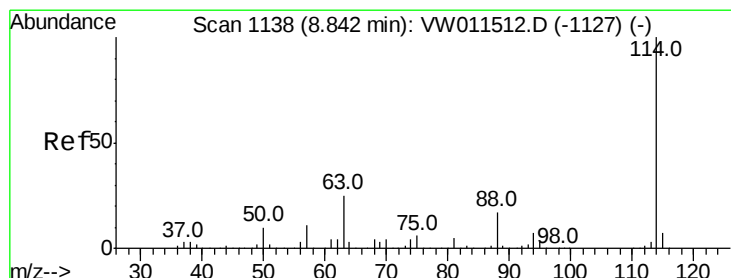
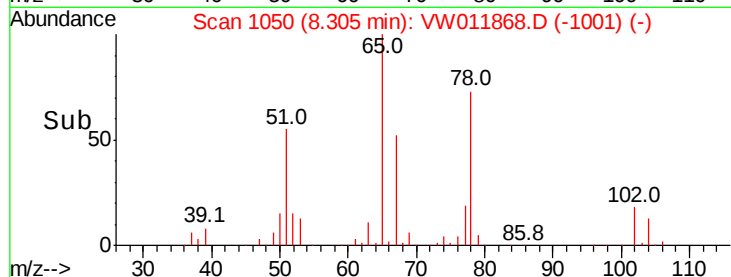
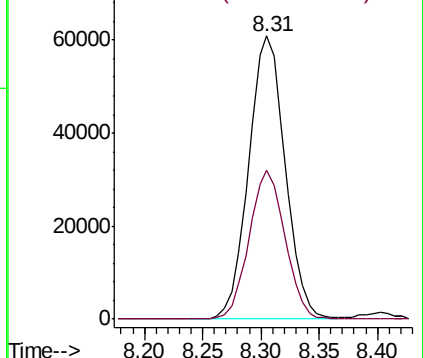
65 100

67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

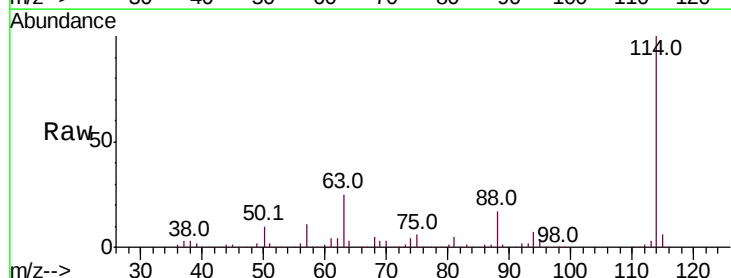
Tgt Ion: 114 Resp: 339365

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

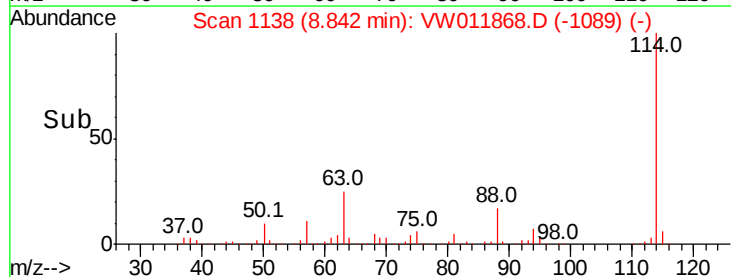
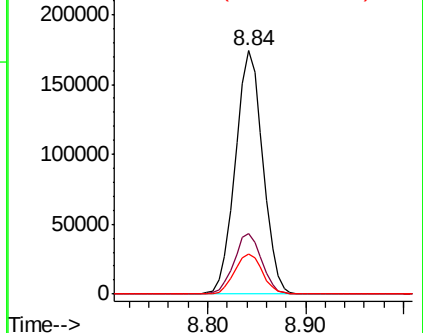
88 16.6 0.0 33.8

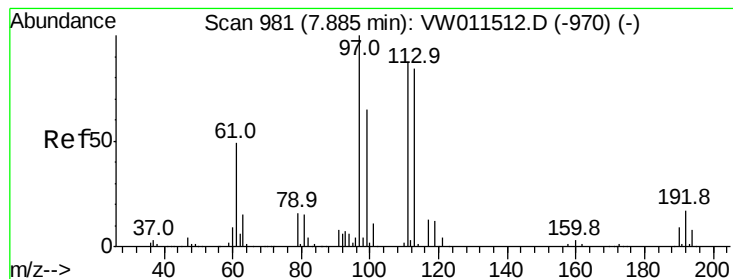


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 55.213 ug/l

RT: 7.88 min Scan# 981

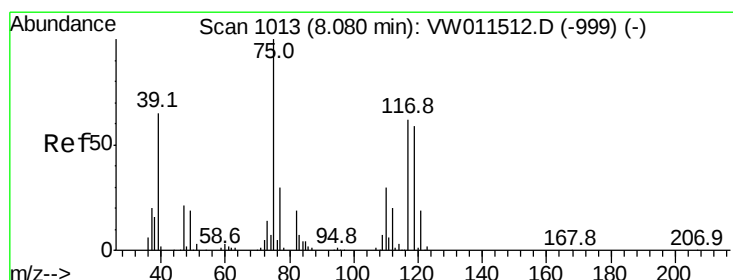
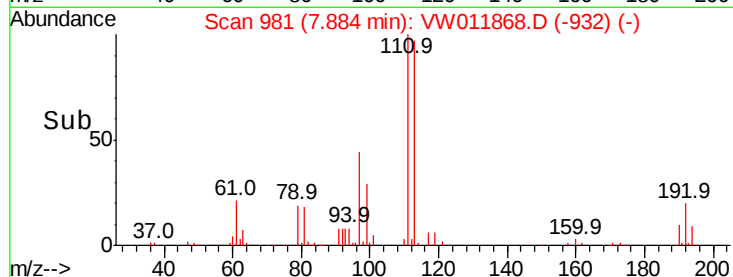
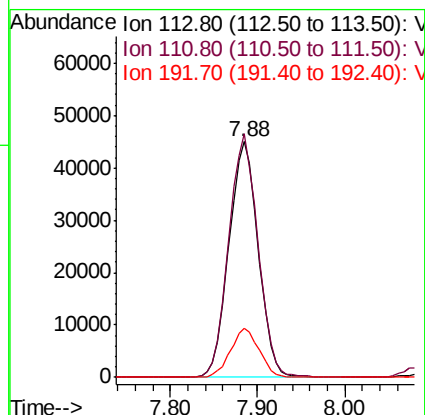
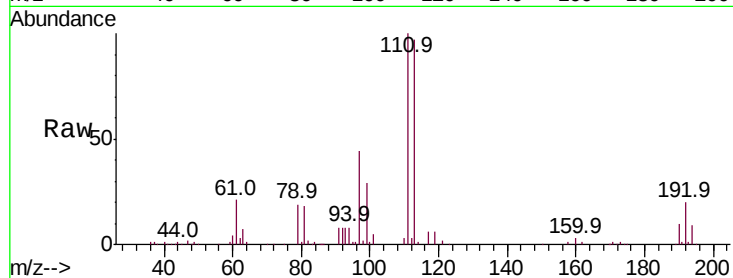
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 105120
Ion Ratio Lower Upper
113 100
111 103.0 82.7 124.1
192 20.3 16.1 24.1



#36

1,1-Dichloropropene

Concen: 20.348 ug/l

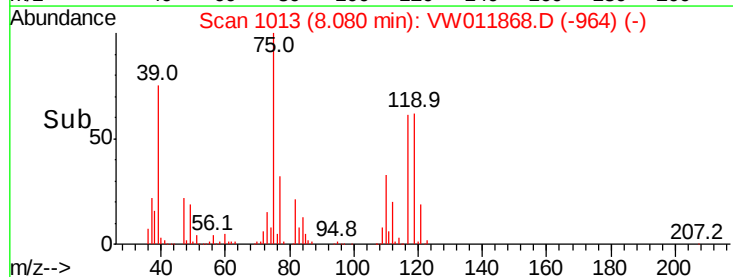
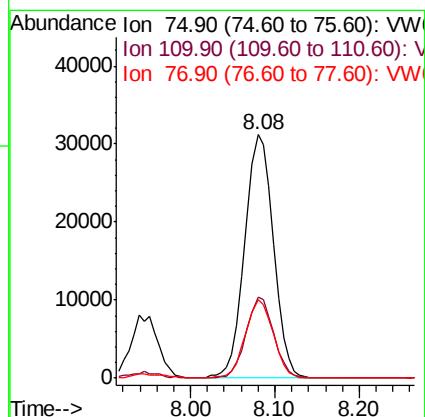
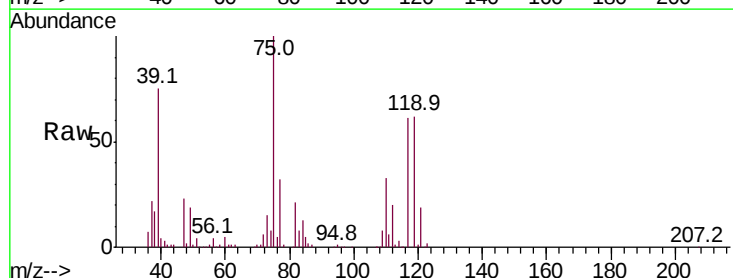
RT: 8.08 min Scan# 1013

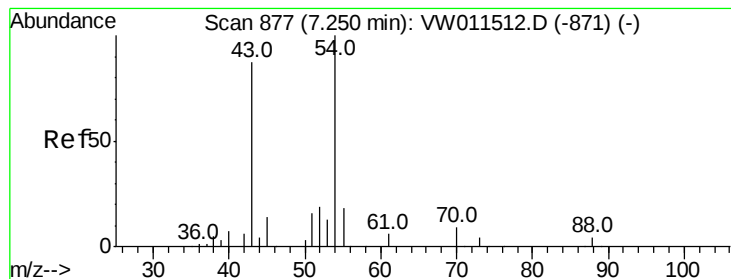
Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Tgt Ion: 75 Resp: 71803
Ion Ratio Lower Upper
75 100
110 31.8 15.6 46.8
77 31.2 24.3 36.5





#37

Ethyl Acetate

Concen: 20.516 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

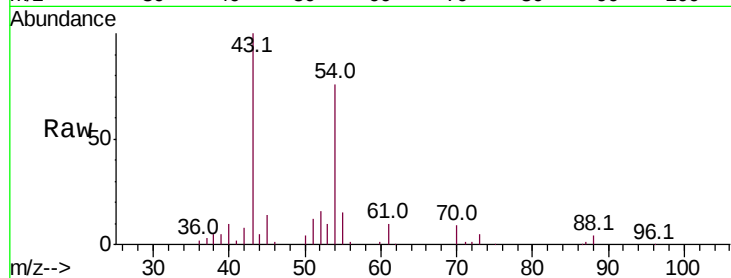
Tot Ion: 43 Resp: 41652

Ion Ratio Lower Upper

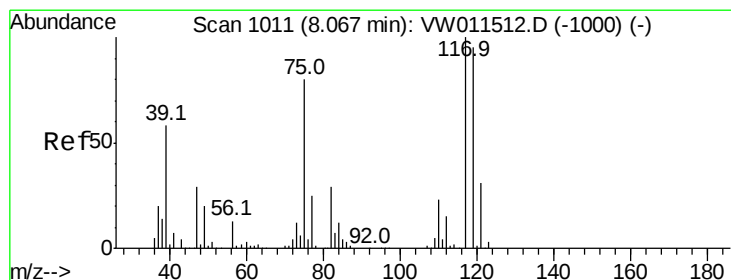
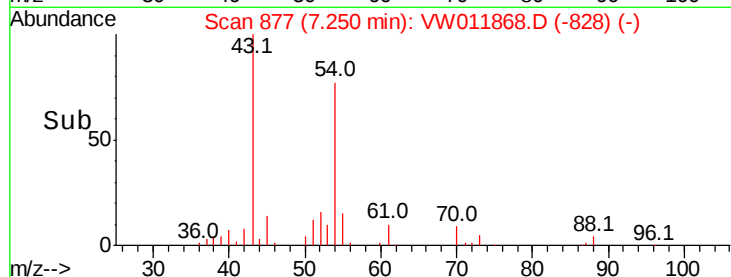
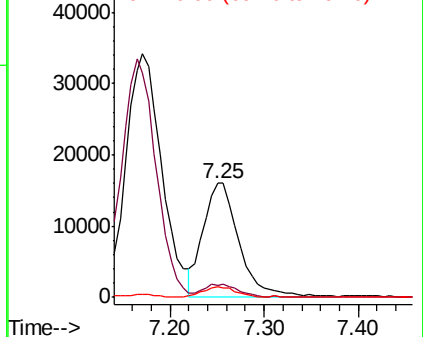
43 100

61 10.1 8.8 13.2

70 8.1 7.1 10.7



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: 20.530 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

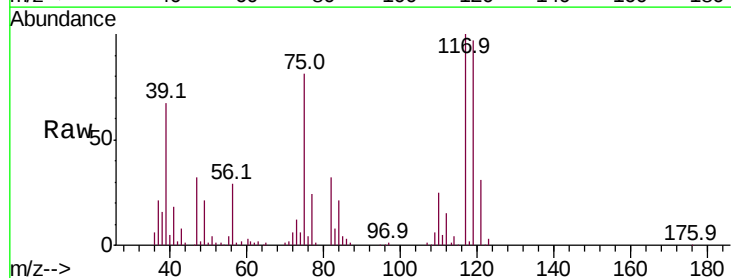
Tgt Ion: 117 Resp: 62018

Ion Ratio Lower Upper

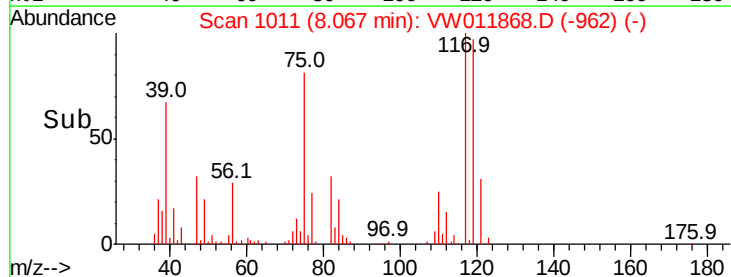
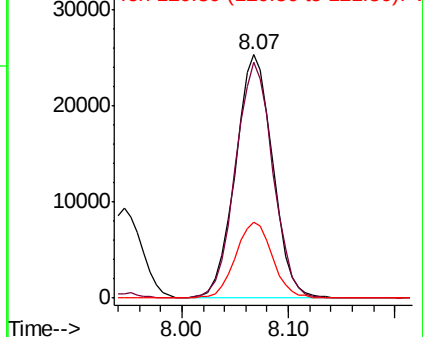
117 100

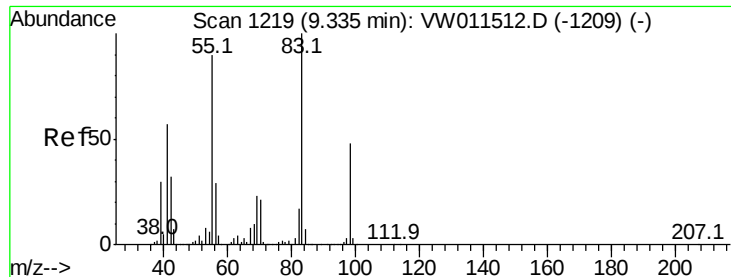
119 96.6 75.8 113.6

121 31.1 24.7 37.1



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

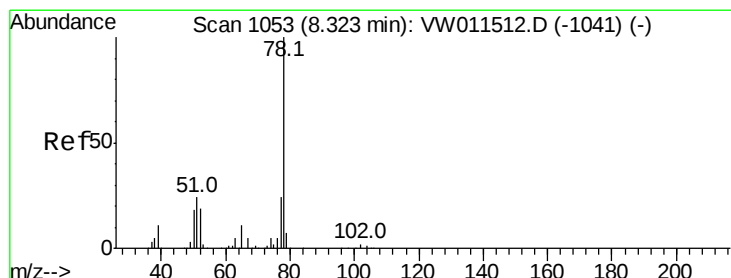
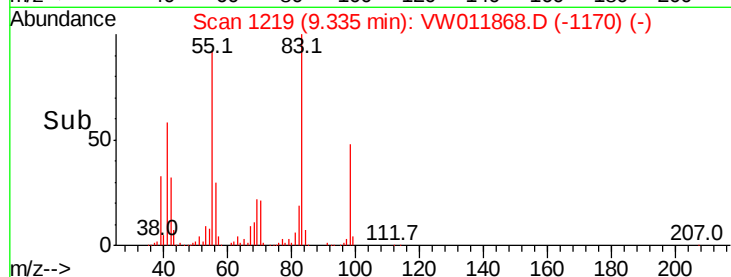
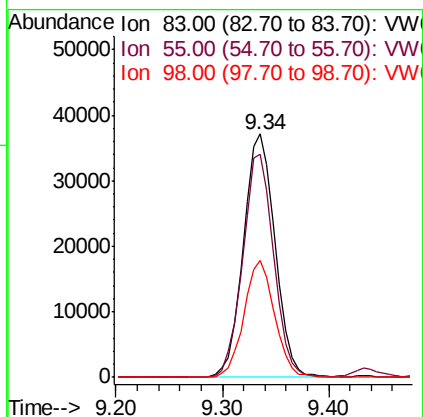
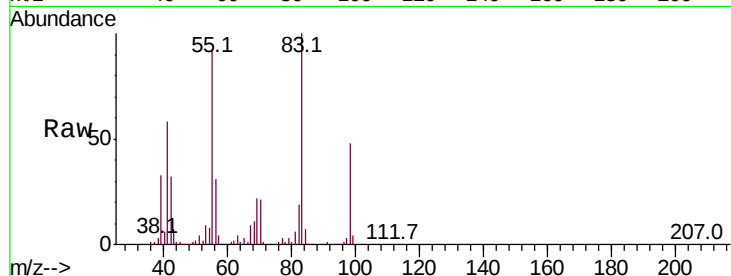




#39
Methvlcvclohexane
Concen: 19.943 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

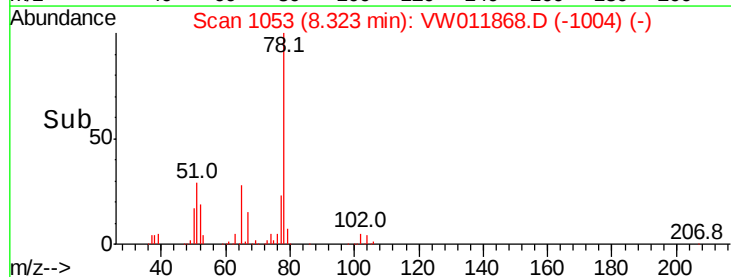
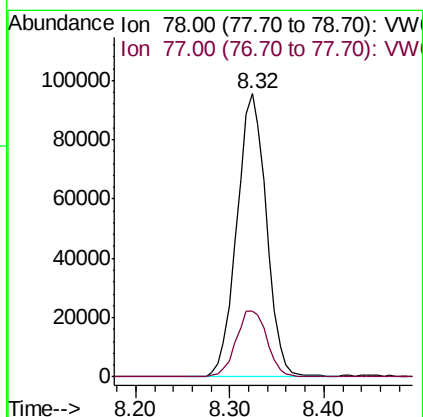
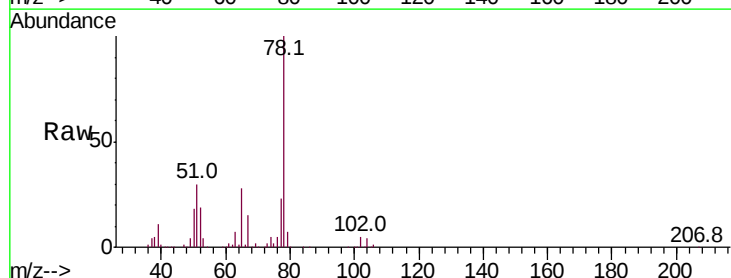
Instrument :
MSVOA_W
ClientSampleId :

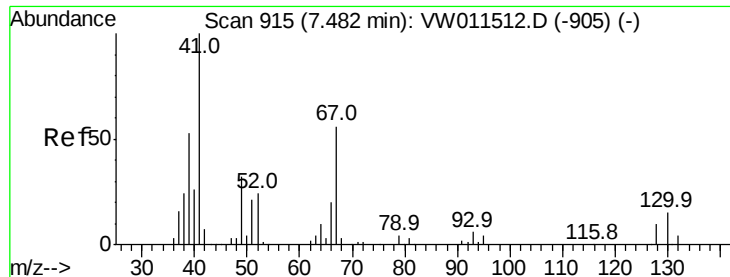
Tot Ion: 83 Resp: 77491
Ion Ratio Lower Upper
83 100
55 91.7 72.1 108.1
98 48.0 38.6 57.8



#40
Benzene
Concen: 21.124 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 78 Resp: 208795
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





#41

Methacrylonitrile

Concen: 19.569 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 23749

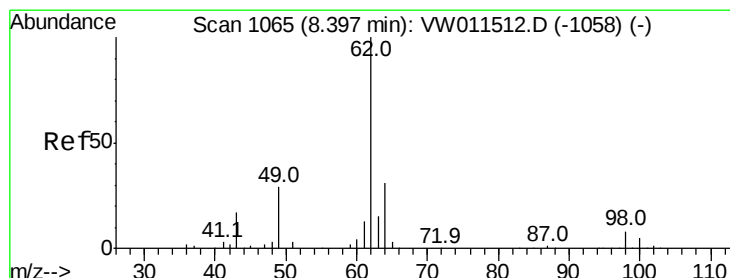
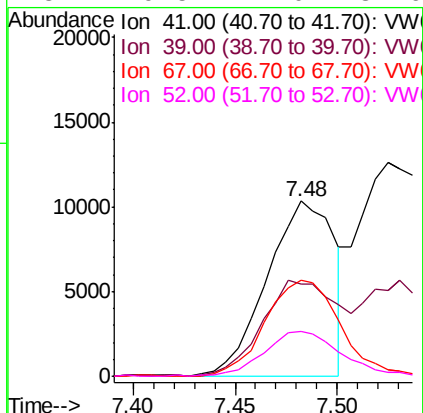
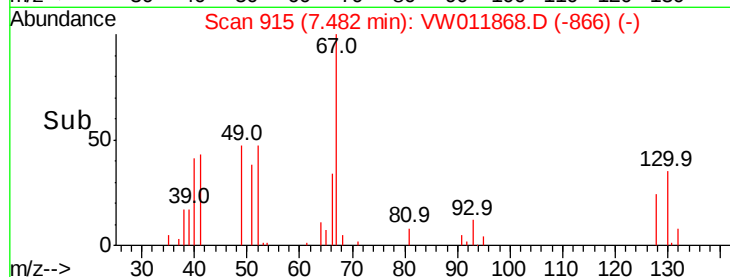
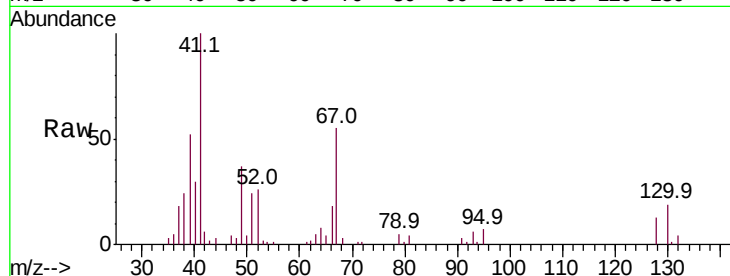
Ion Ratio Lower Upper

41 100

39 62.7 43.0 64.4

67 61.3 47.5 71.3

52 29.5 21.0 31.6



#42

1,2-Dichloroethane

Concen: 21.968 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW011868.D

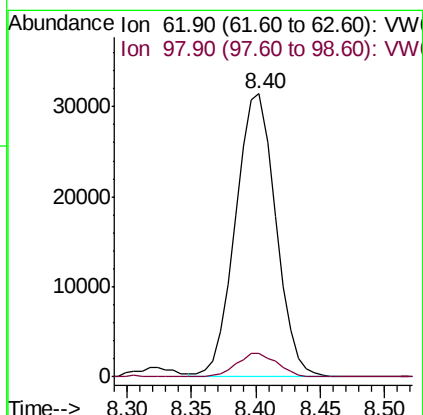
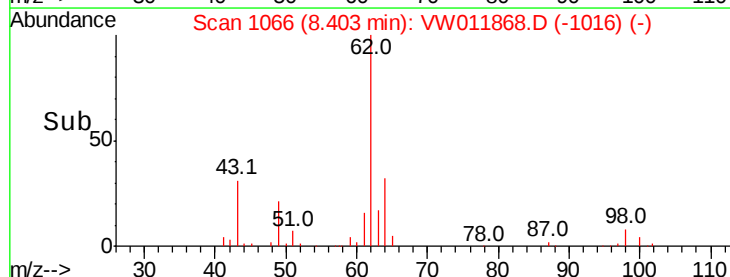
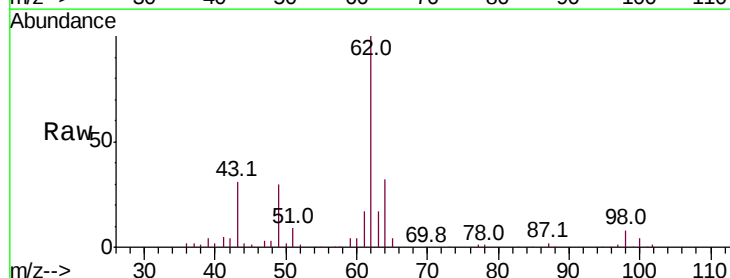
Acq: 12 Aug 2019 23:53

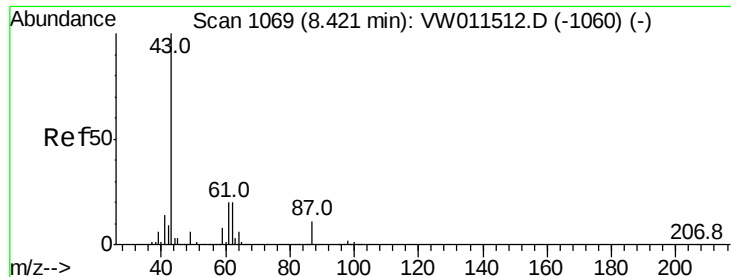
Tgt Ion: 62 Resp: 67984

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.8





#43

Isopropyl Acetate

Concen: 20.565 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampled :

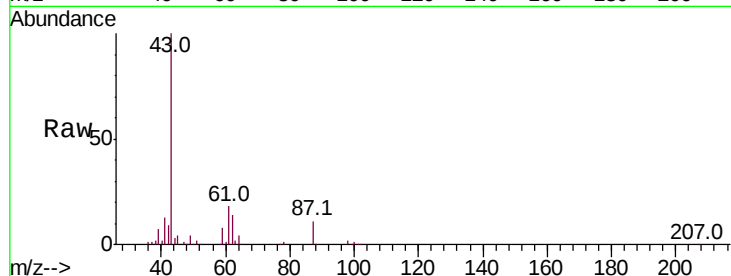
Tot Ion: 43 Resp: 76782

Ion Ratio Lower Upper

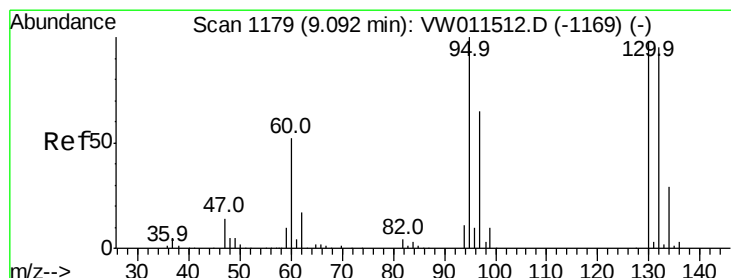
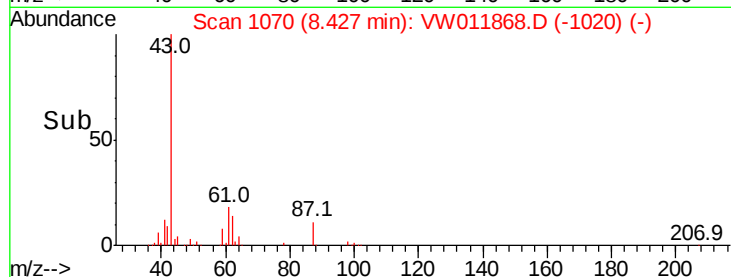
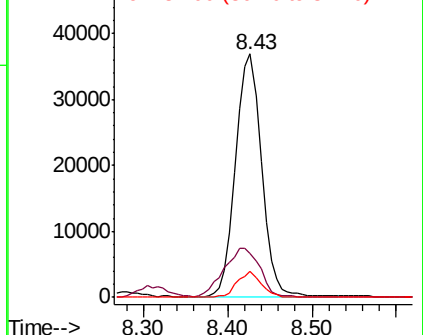
43 100

61 28.5 21.5 32.3

87 10.0 8.4 12.6



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



#44

Trichloroethene

Concen: 20.833 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011868.D

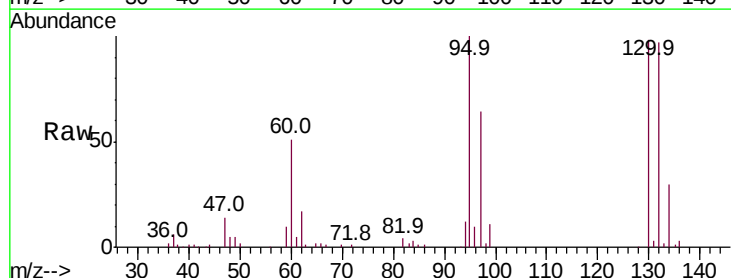
Acq: 12 Aug 2019 23:53

Tgt Ion: 130 Resp: 49493

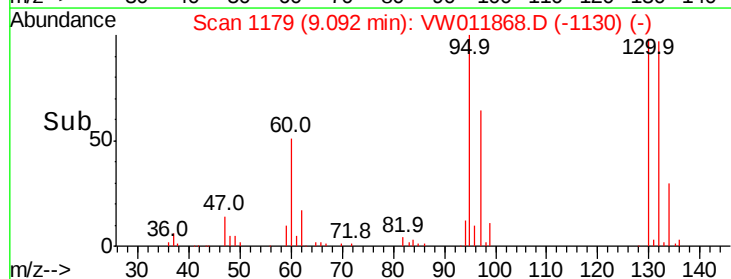
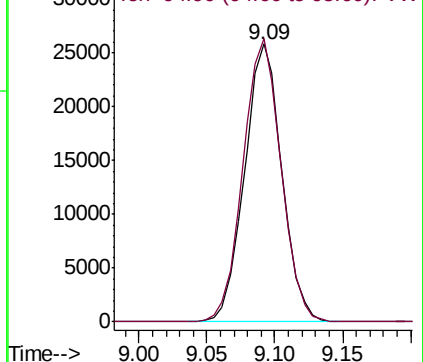
Ion Ratio Lower Upper

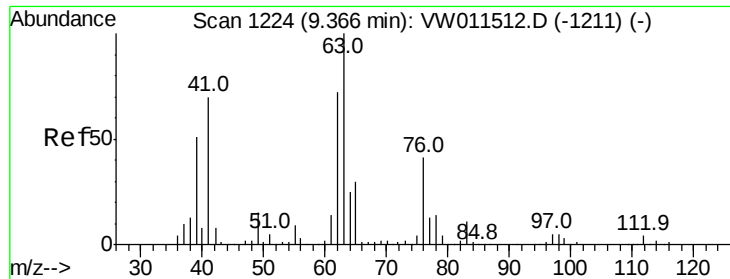
130 100

95 101.8 0.0 204.8



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

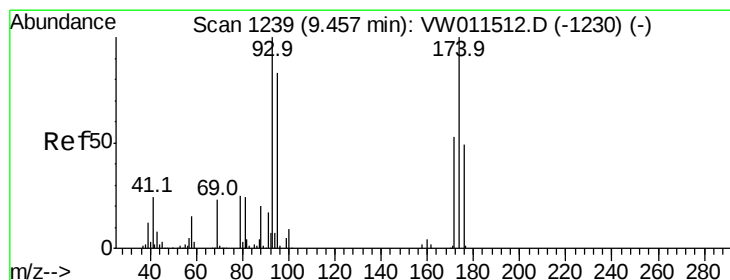
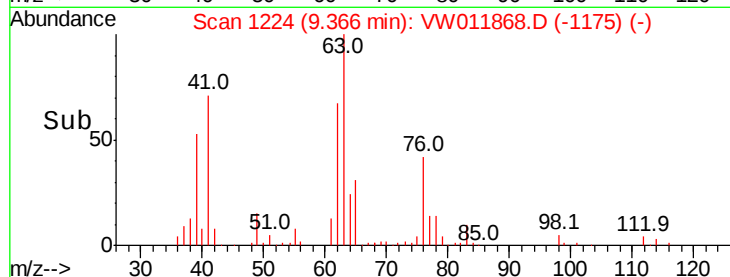
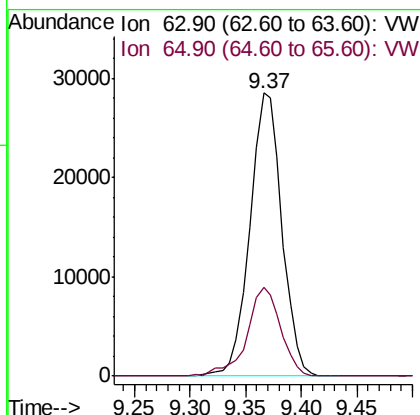
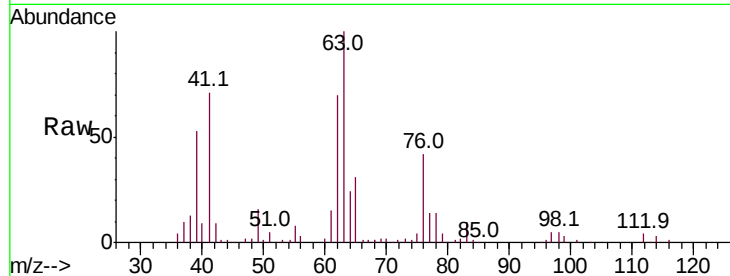




#45
 1,2-Dichloropropane
 Concen: 21.591 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

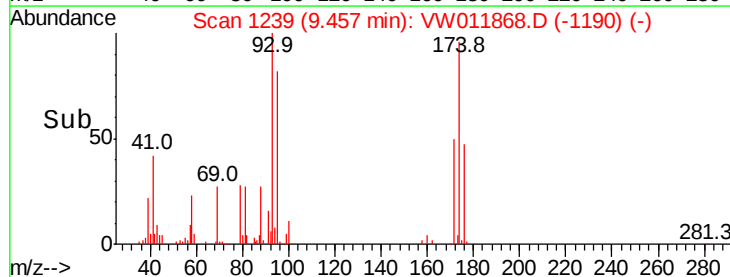
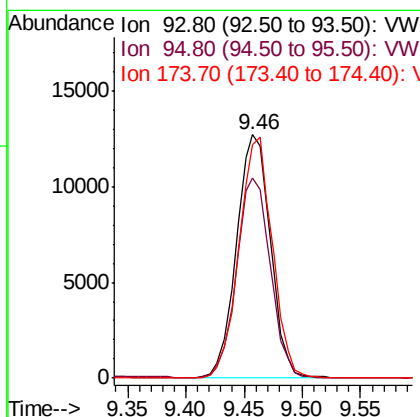
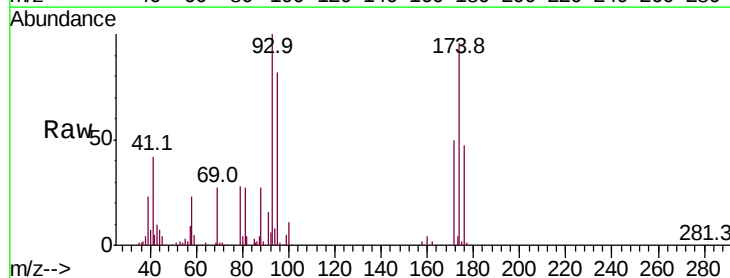
Instrument :
 MSVOA_W
 ClientSampled :

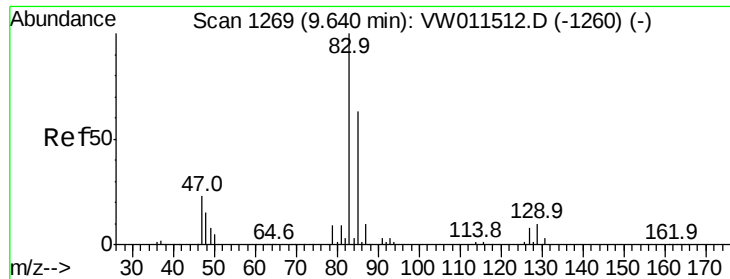
Tot Ion: 63 Resp: 57103
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4



#46
 Dibromomethane
 Concen: 21.450 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion: 93 Resp: 25892
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.2
 174 96.7 78.2 117.4





#47

Bromodichloromethane

Concen: 21.340 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

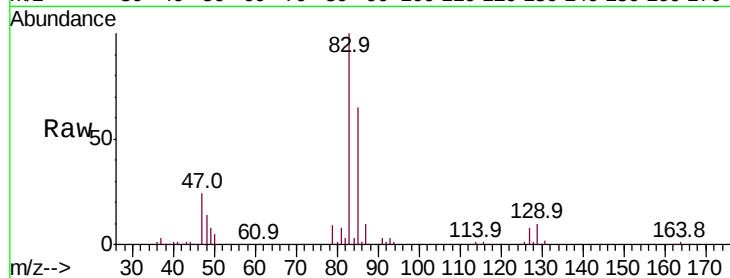
Tot Ion: 83 Resp: 67569

Ion Ratio Lower Upper

83 100

85 64.5 50.5 75.7

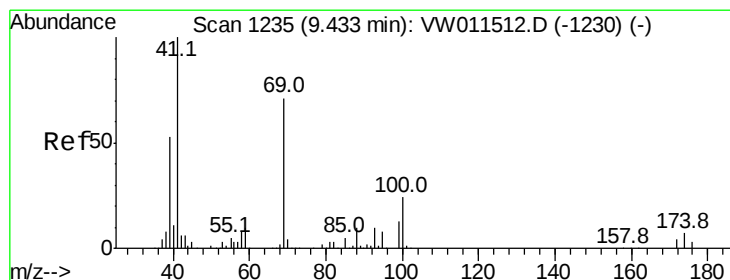
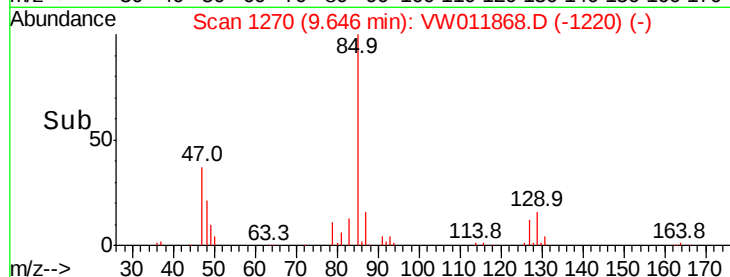
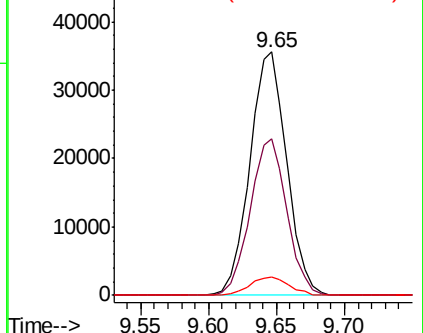
127 7.6 6.4 9.6



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): VW



#48

Methyl methacrylate

Concen: 20.902 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

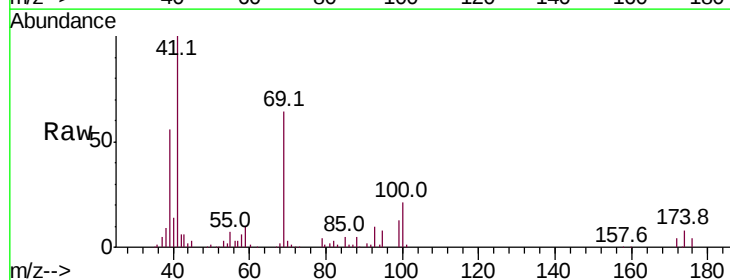
Tgt Ion: 41 Resp: 37488

Ion Ratio Lower Upper

41 100

69 72.2 57.1 85.7

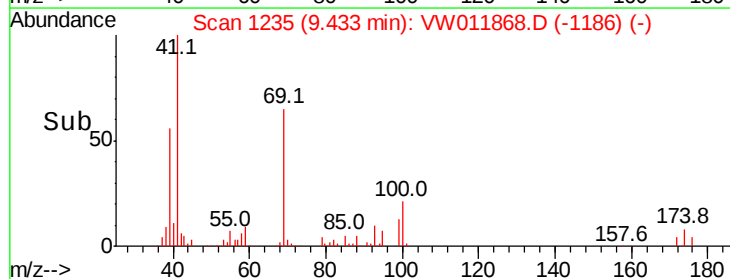
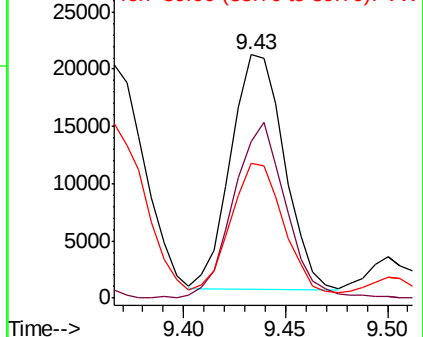
39 57.9 45.4 68.2

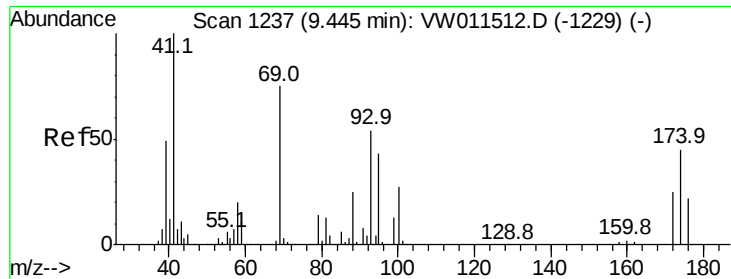


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 437.980 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

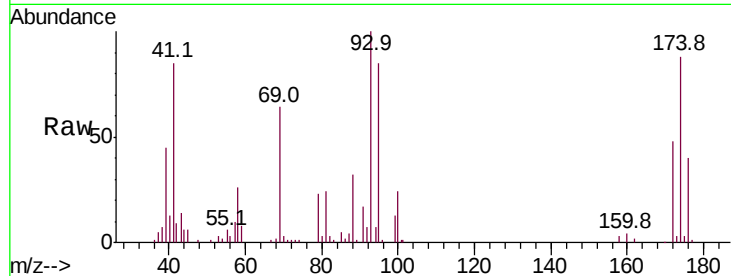
Tot Ion: 88 Resp: 7655

Ion Ratio Lower Upper

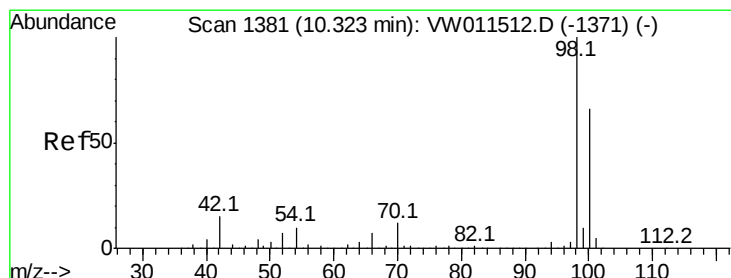
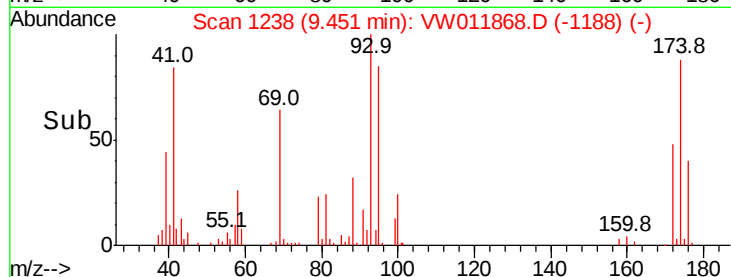
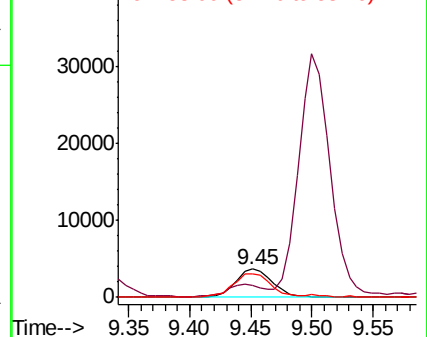
88 100

43 44.2 34.0 51.0

58 87.0 69.7 104.5



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



#50

Toluene-d8

Concen: 53.455 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011868.D

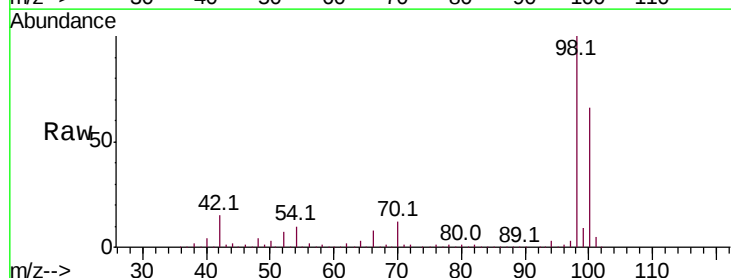
Acq: 12 Aug 2019 23:53

Tgt Ion: 98 Resp: 416687

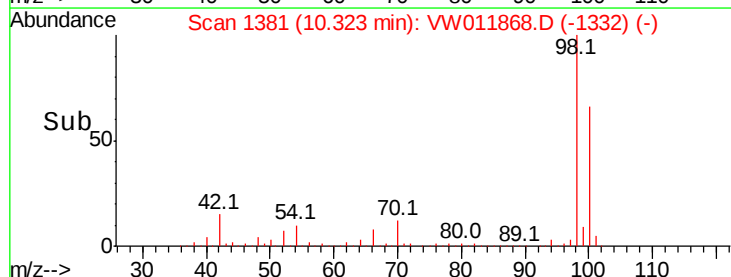
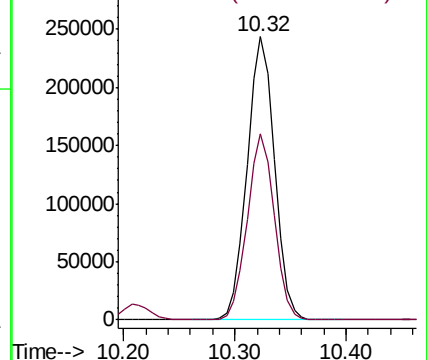
Ion Ratio Lower Upper

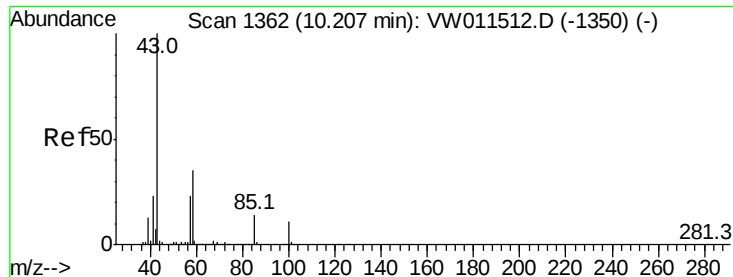
98 100

100 64.9 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 104.085 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

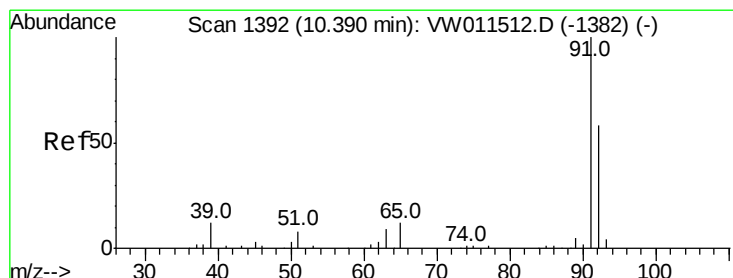
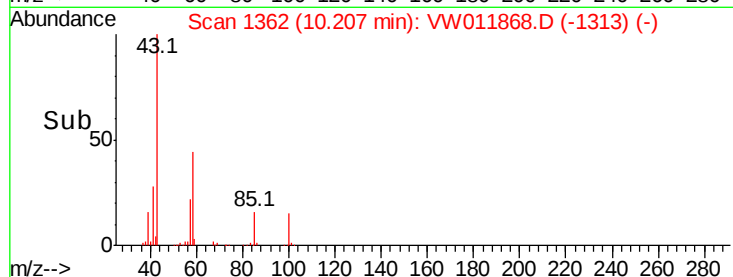
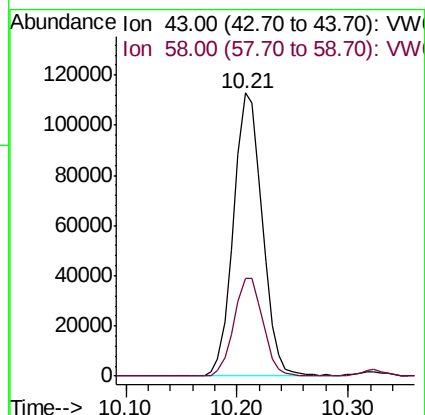
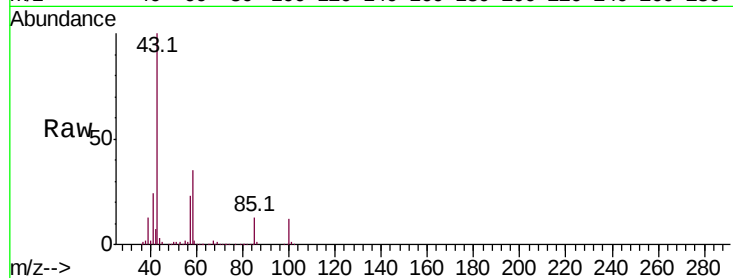
ClientSampleId :

Tot Ion: 43 Resp: 202142

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



#52

Toluene

Concen: 20.784 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011868.D

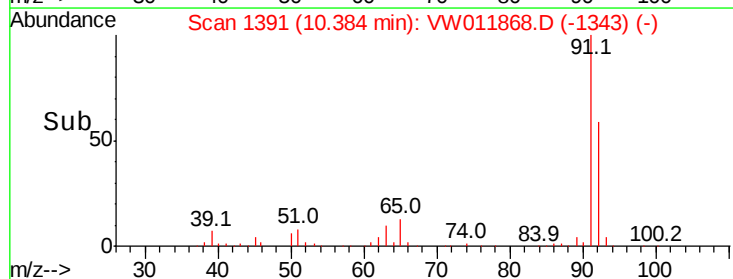
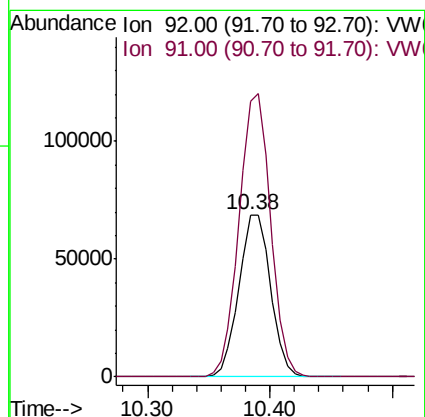
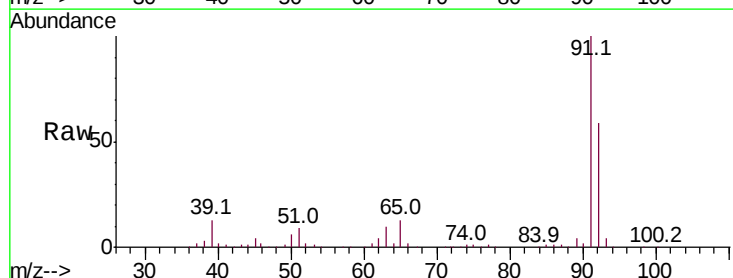
Acq: 12 Aug 2019 23:53

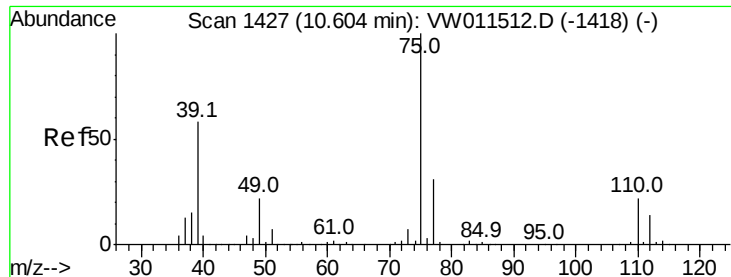
Tgt Ion: 92 Resp: 124059

Ion Ratio Lower Upper

92 100

91 173.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.336 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

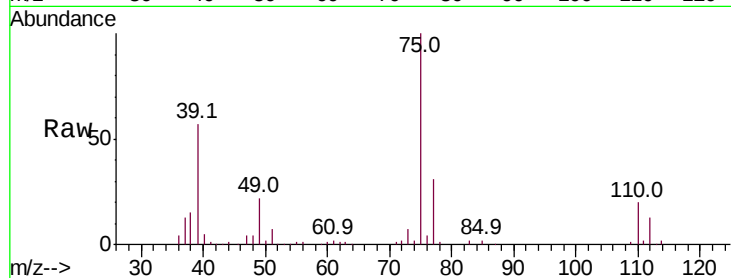
ClientSampled :

Tot Ion: 75 Resp: 67263

Ion Ratio Lower Upper

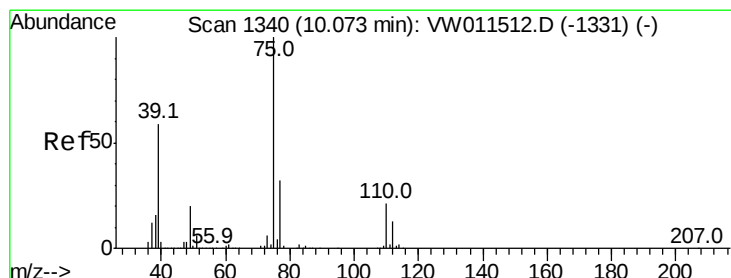
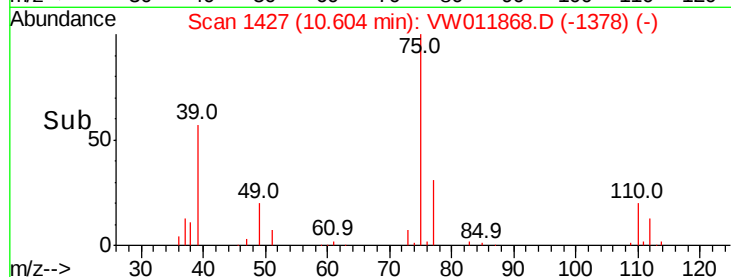
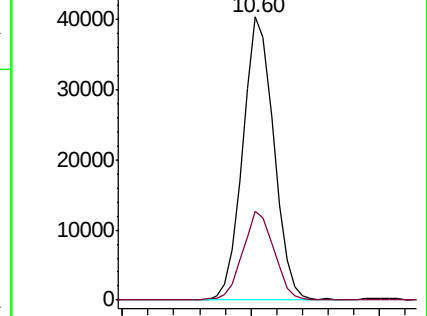
75 100

77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.548 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

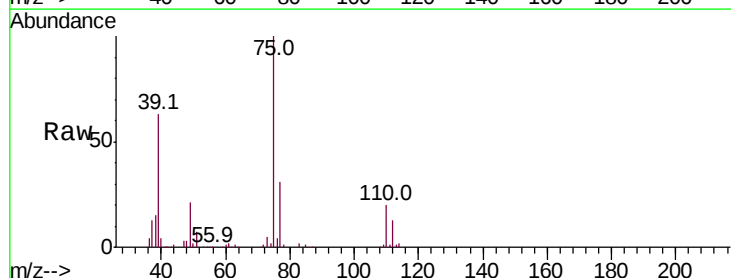
Tgt Ion: 75 Resp: 80812

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

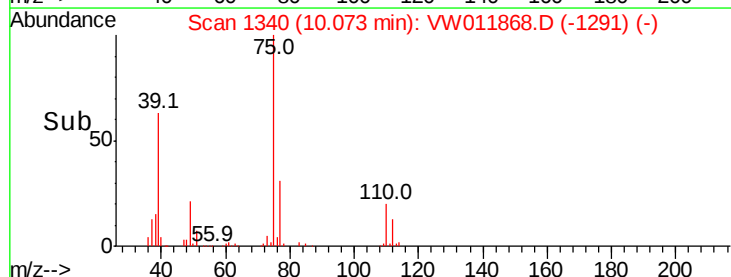
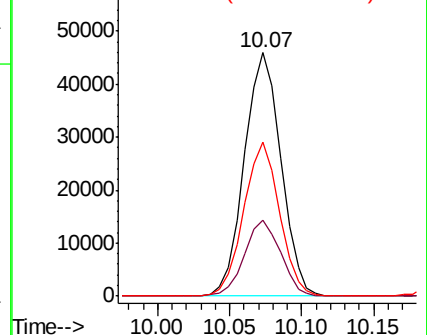
39 62.9 47.0 70.4

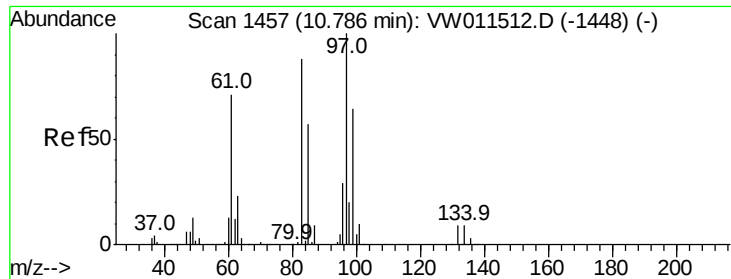


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

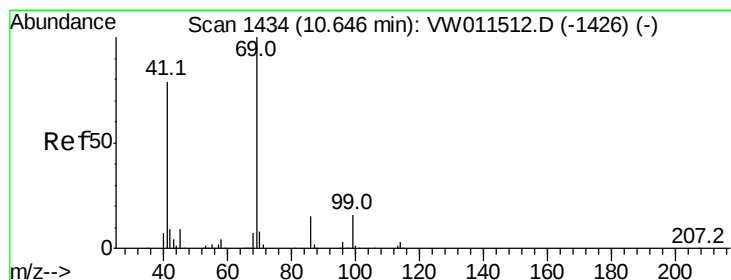
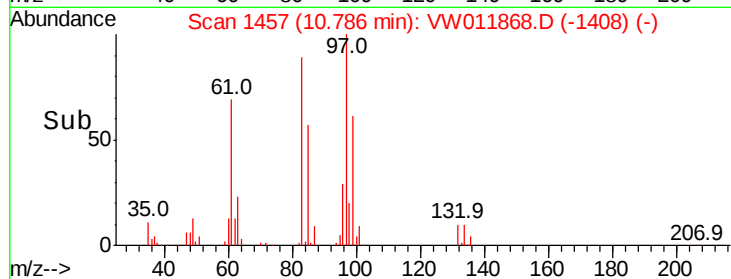
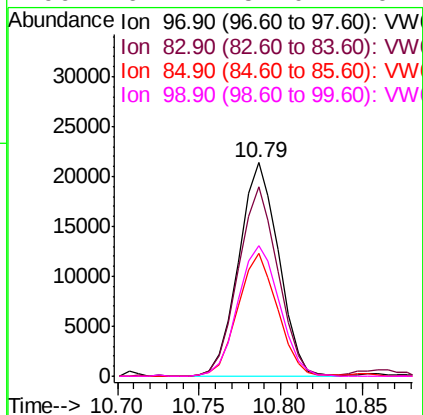
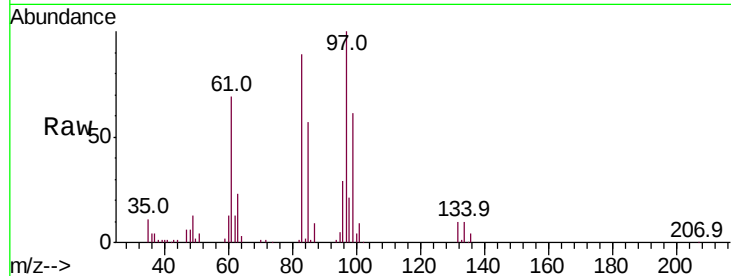




#55
 1,1,2-Trichloroethane
 Concen: 21.316 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

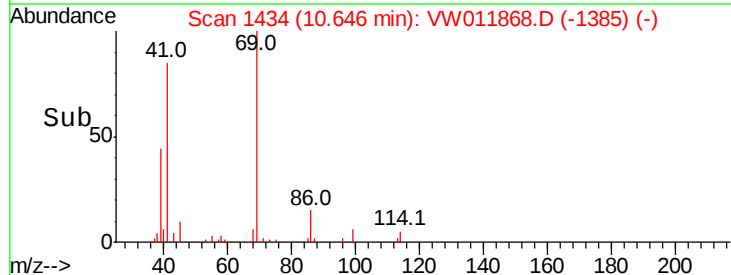
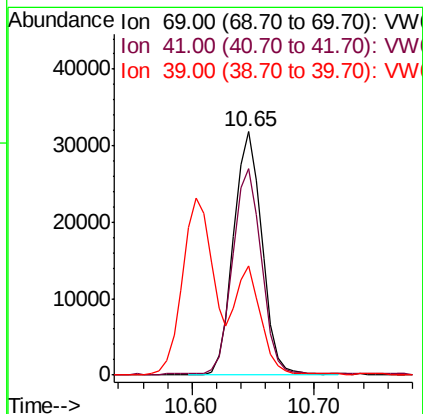
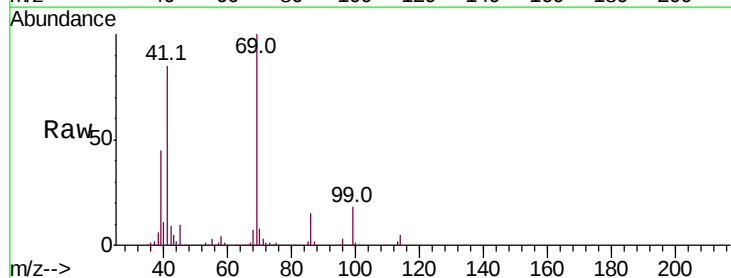
Instrument :
 MSVOA_W
 ClientSampleId :

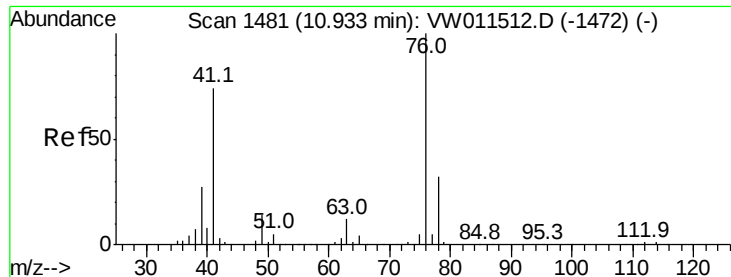
Tot Ion:	97	Resp:	36508
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	57.3	45.8	68.6
99	61.2	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.416 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion:	69	Resp:	51166
Ion	Ratio	Lower	Upper
69	100		
41	86.2	66.6	99.8
39	40.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.123 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

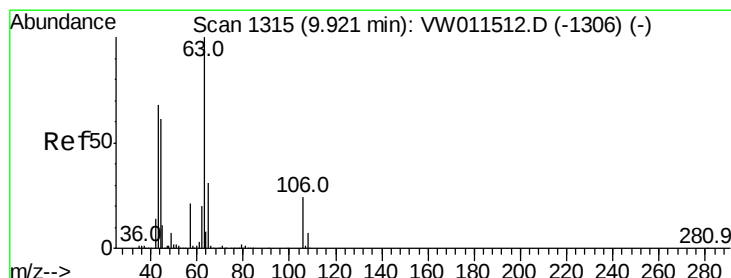
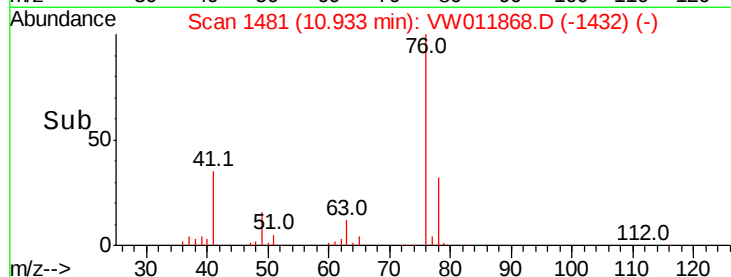
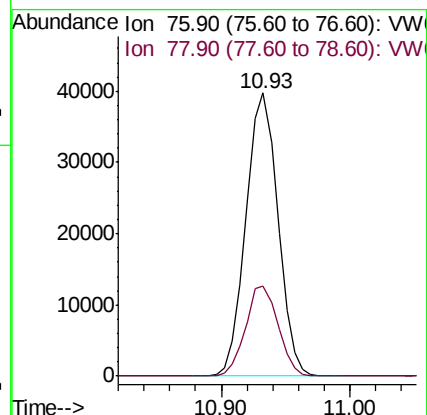
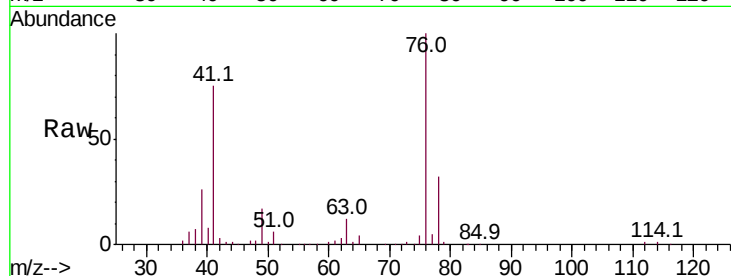
ClientSampled :

Tot Ion: 76 Resp: 68443

Ion Ratio Lower Upper

76 100

78 32.6 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 113.905 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011868.D

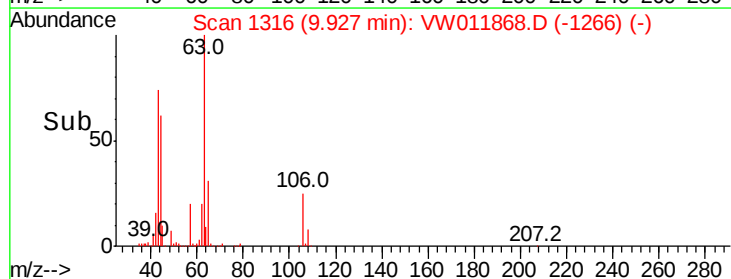
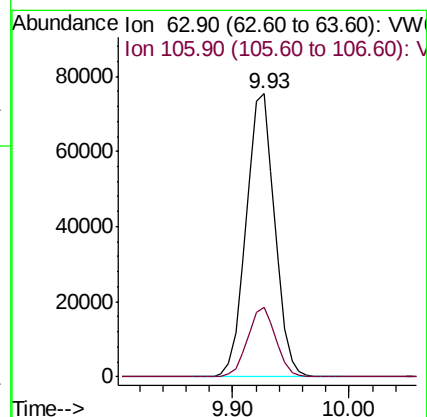
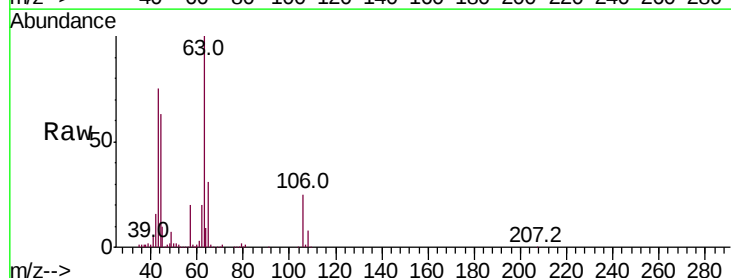
Acq: 12 Aug 2019 23:53

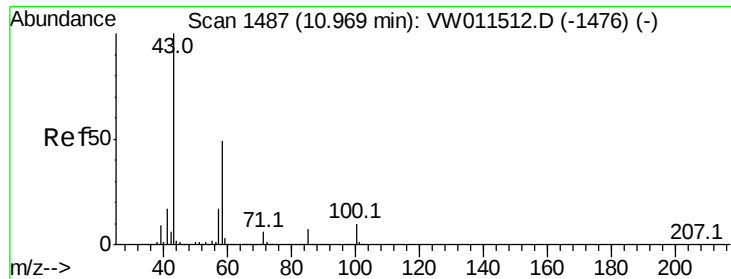
Tgt Ion: 63 Resp: 129615

Ion Ratio Lower Upper

63 100

106 24.1 19.7 29.5

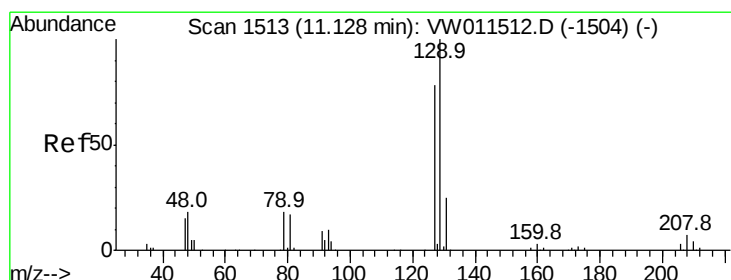
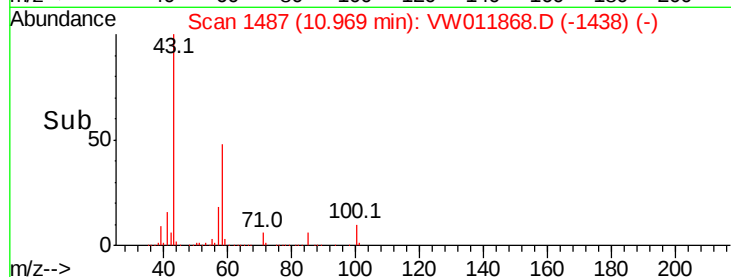
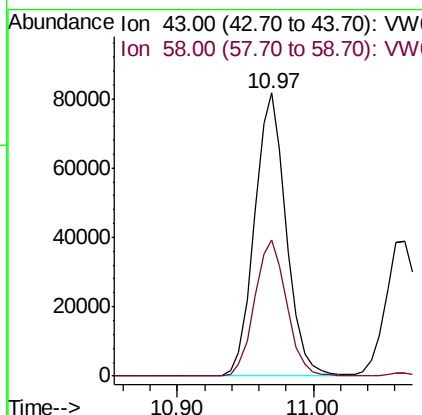
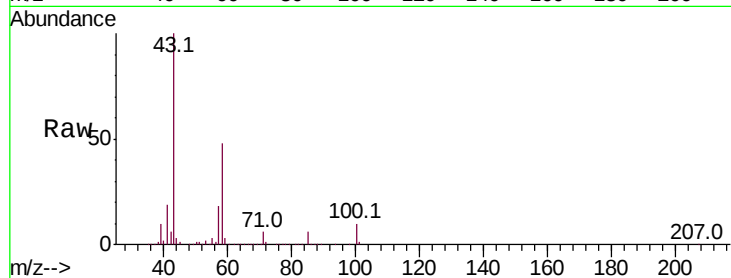




#59
2-Hexanone
Concen: 96.703 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

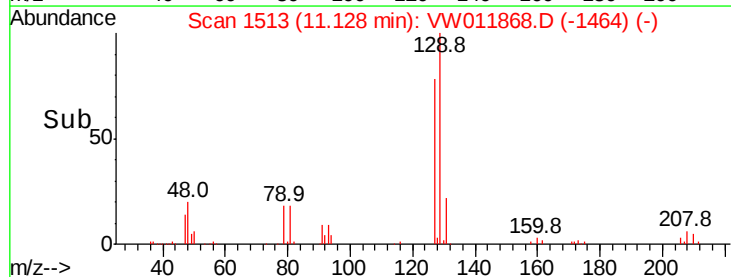
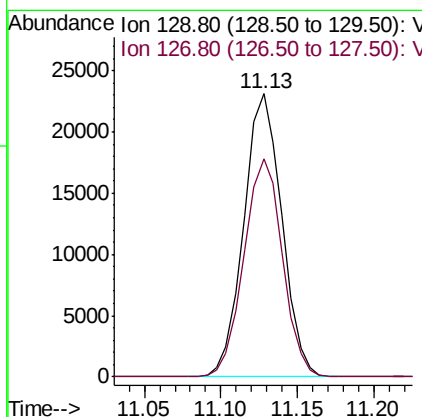
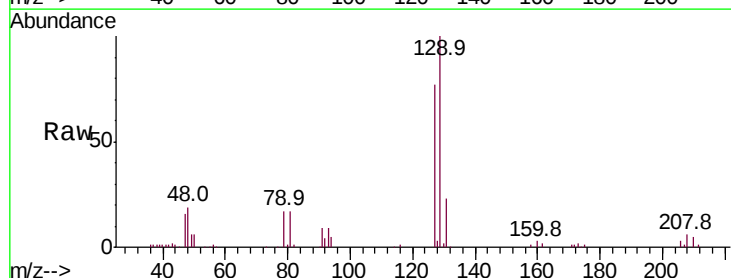
Instrument :
MSVOA_W
ClientSampleId :

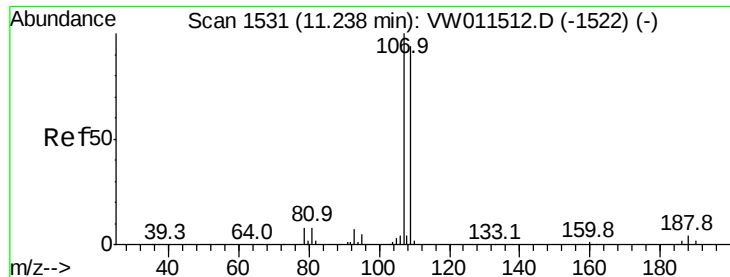
Tot Ion: 43 Resp: 132602
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9



#60
Dibromochloromethane
Concen: 21.028 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 129 Resp: 39976
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

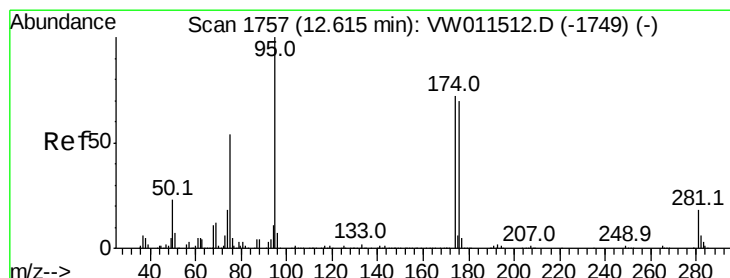
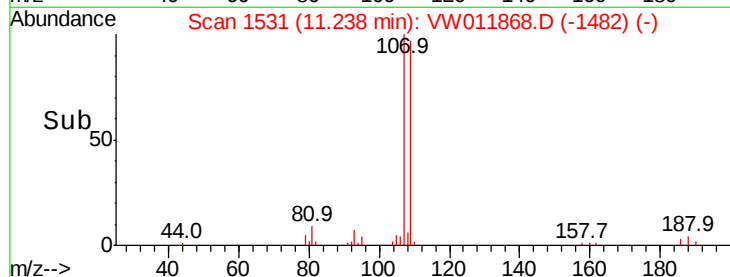
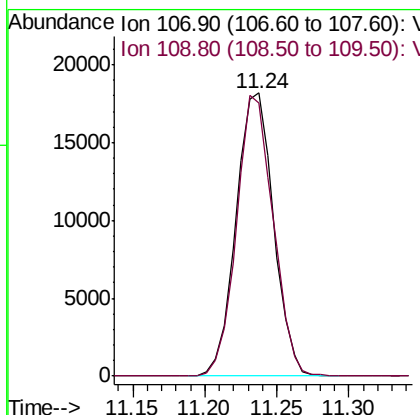
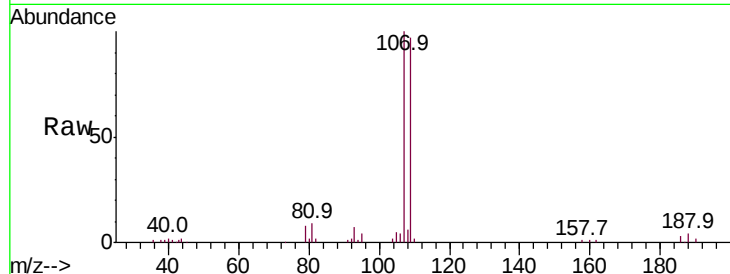




#61
 1,2-Dibromoethane
 Concen: 20.296 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

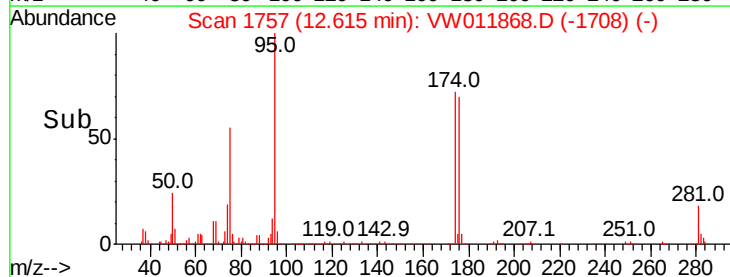
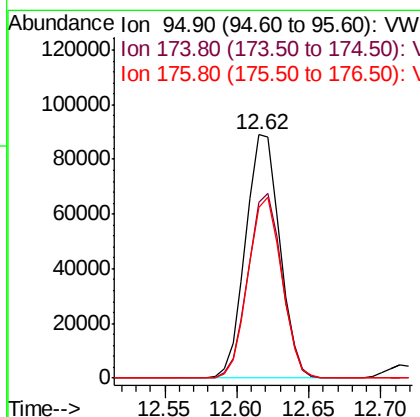
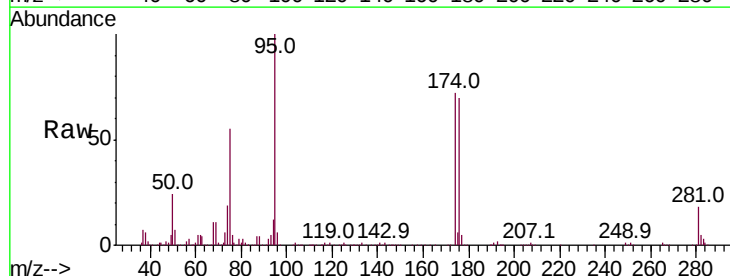
Instrument :
 MSVOA_W
 ClientSampleId :

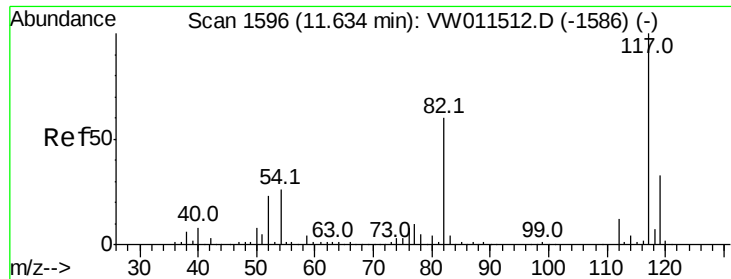
Tot Ion:107 Resp: 32895
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.780 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion: 95 Resp: 146682
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.2
 176 73.0 0.0 144.4

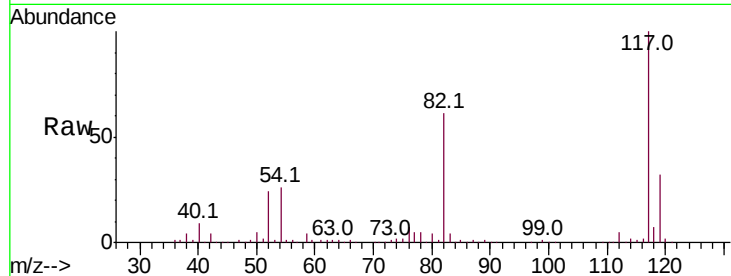




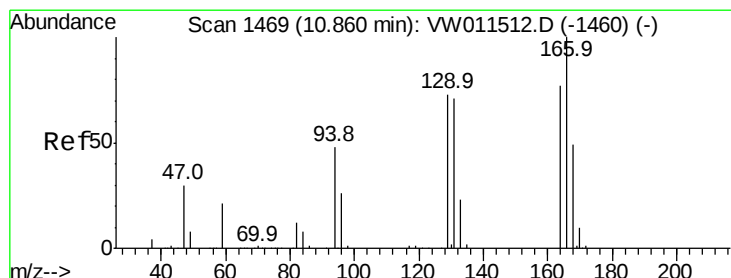
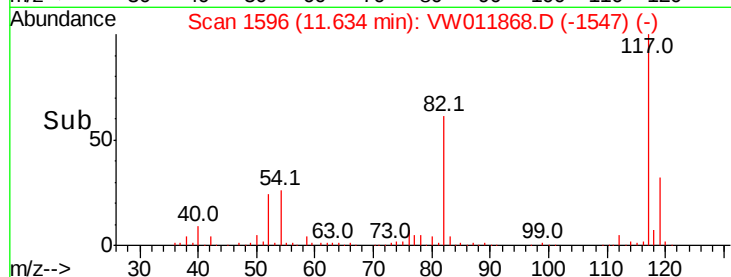
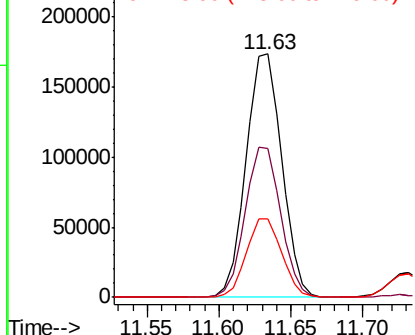
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 298265
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.3 26.2 39.2

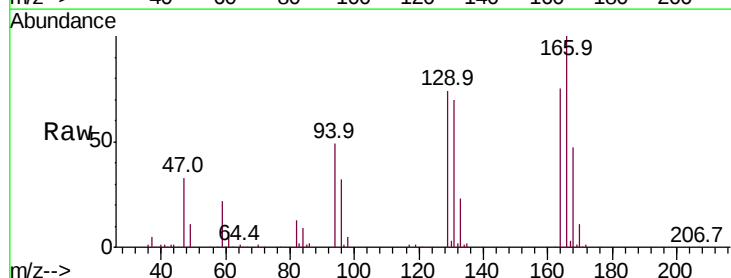


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

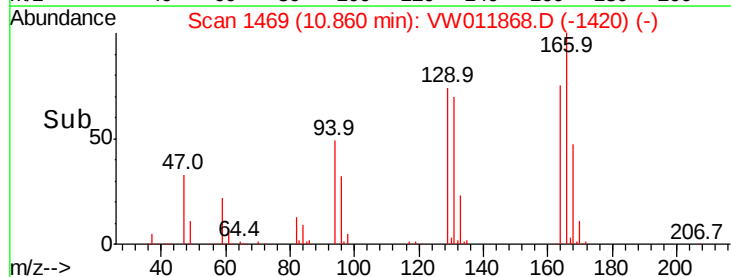
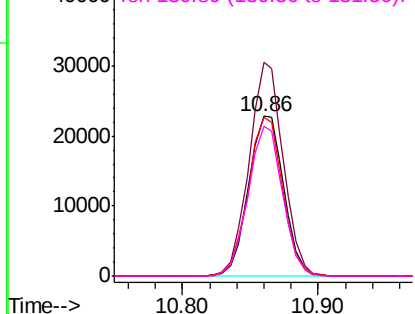


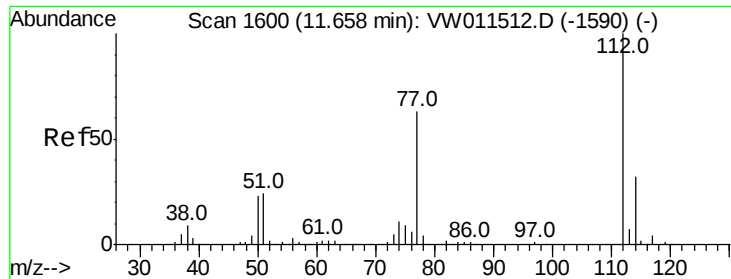
#64
Tetrachloroethene
Concen: 21.272 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion:164 Resp: 41310
Ion Ratio Lower Upper
164 100
166 133.6 103.5 155.3
129 98.9 75.2 112.8
131 93.7 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

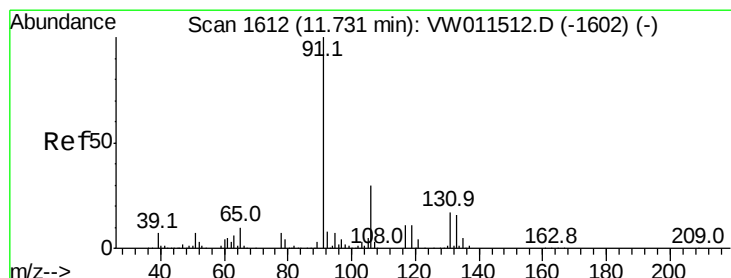
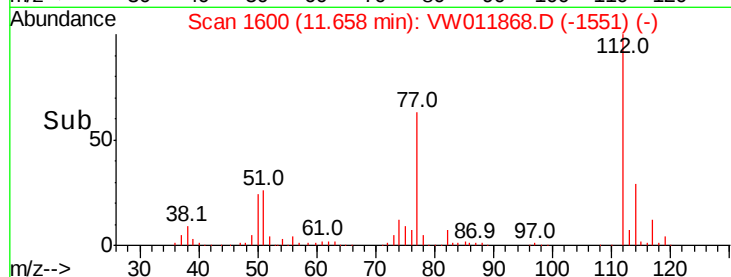
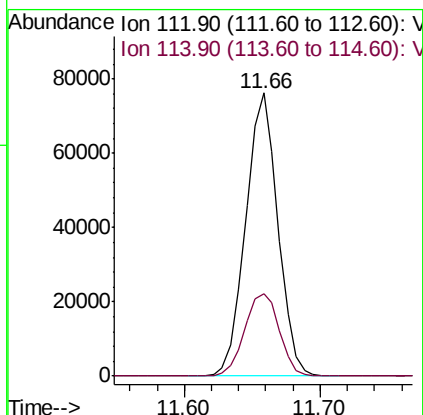
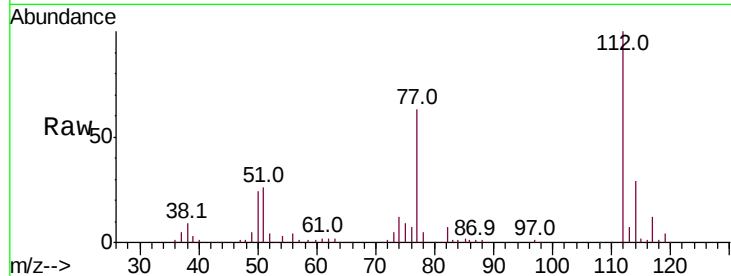




#65
Chlorobenzene
Concen: 21.050 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

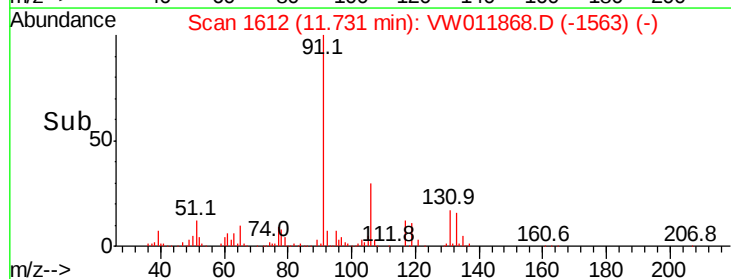
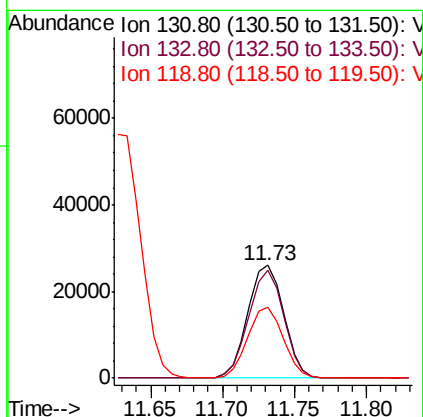
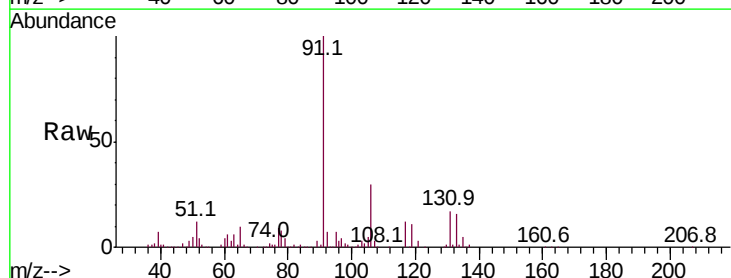
Instrument :
MSVOA_W
ClientSampleId :

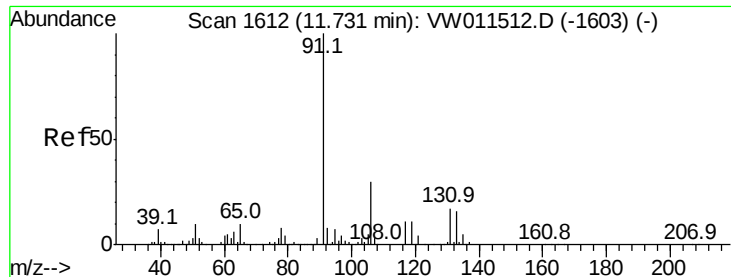
Tot Ion:112 Resp: 126225
Ion Ratio Lower Upper
112 100
114 29.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.601 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion:131 Resp: 45119
Ion Ratio Lower Upper
131 100
133 93.2 47.4 142.2
119 62.4 32.3 96.9





#67

Ethyl Benzene

Concen: 20.948 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

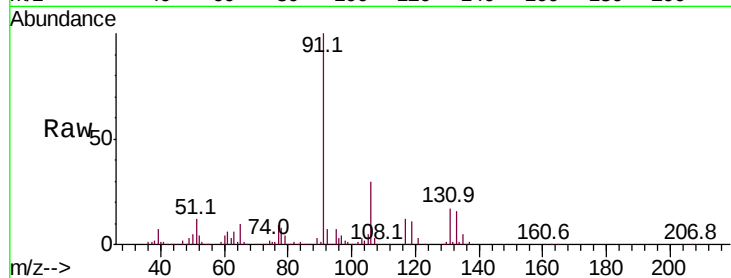
ClientSampleId :

Tot Ion: 91 Resp: 239243

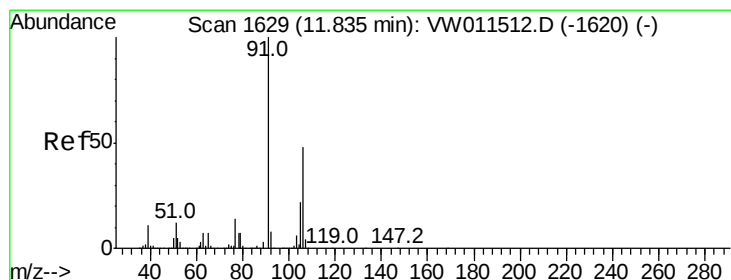
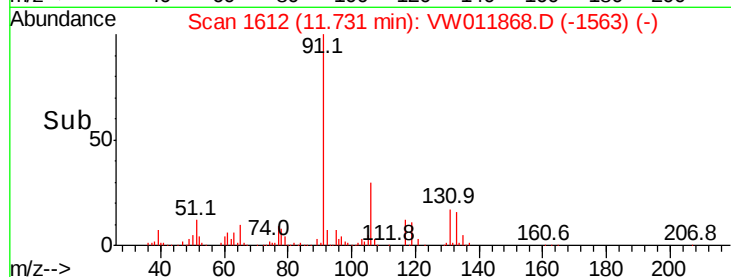
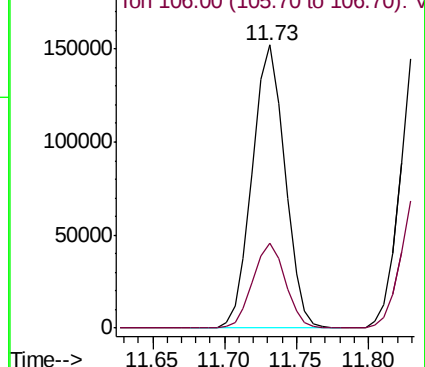
Ion Ratio Lower Upper

91 100

106 30.0 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW



#68

m/p-Xylenes

Concen: 41.949 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011868.D

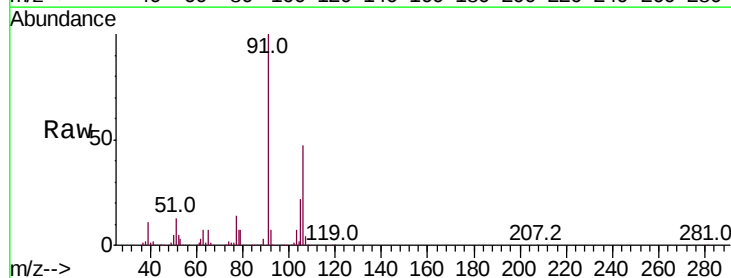
Acq: 12 Aug 2019 23:53

Tgt Ion:106 Resp: 174230

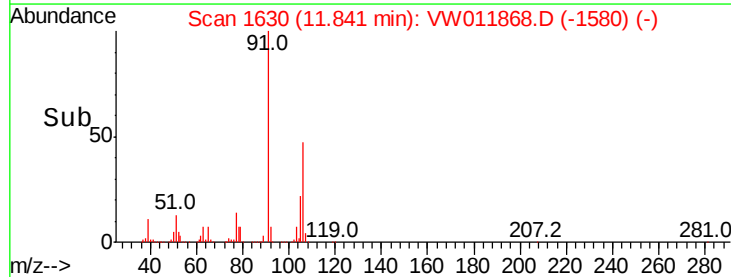
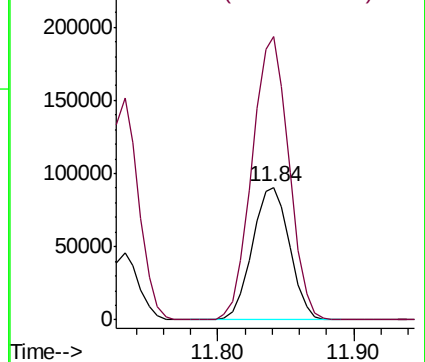
Ion Ratio Lower Upper

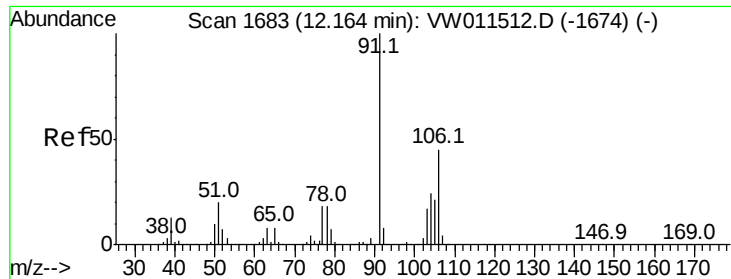
106 100

91 210.0 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

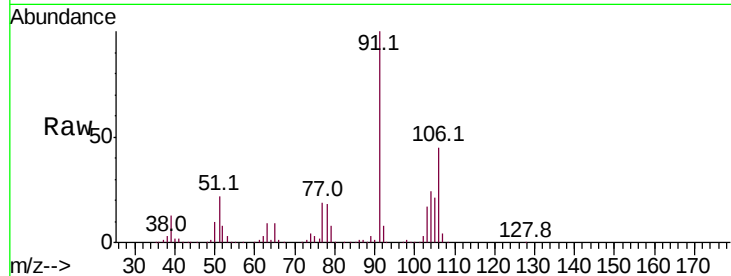




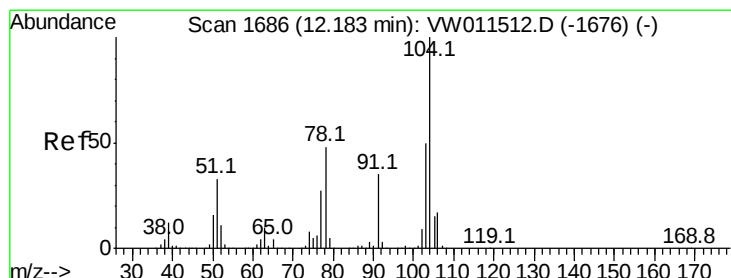
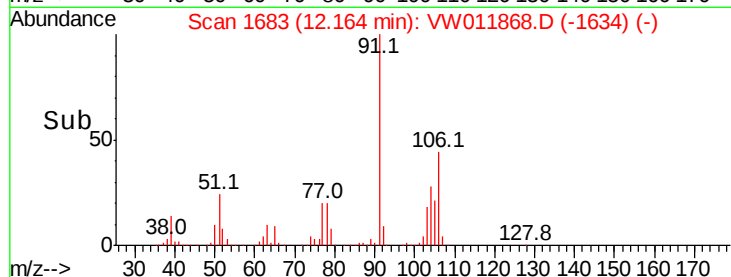
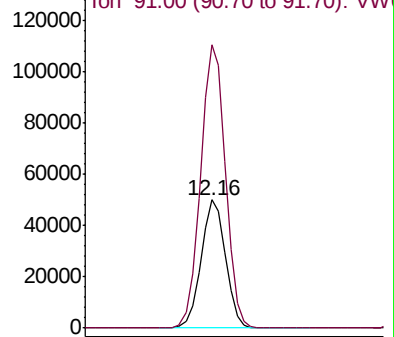
#69
o-Xylene
Concen: 20.788 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 80234
Ion Ratio Lower Upper
106 100
91 224.9 110.5 331.5

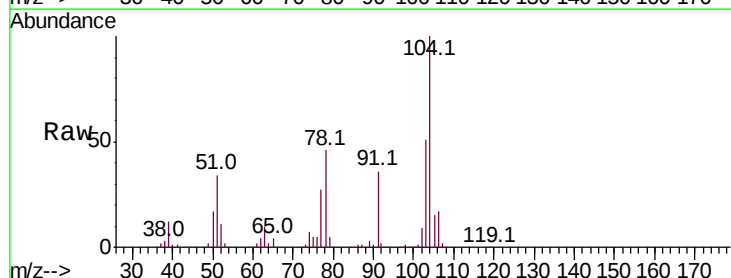


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

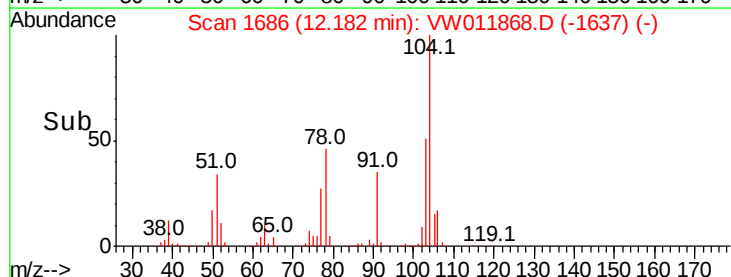
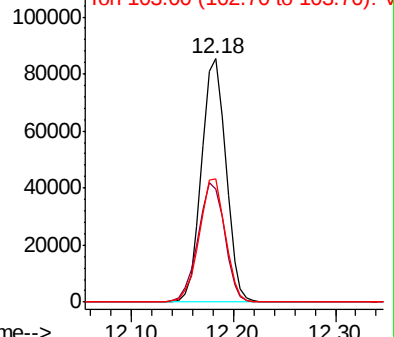


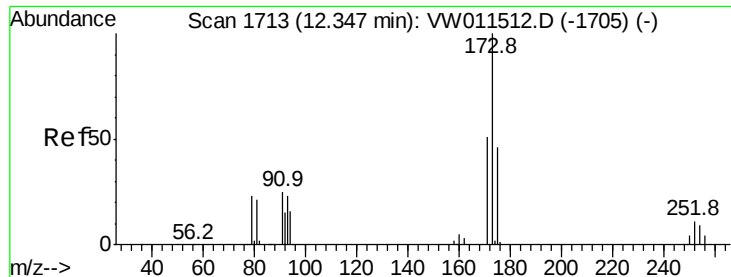
#70
Styrene
Concen: 21.139 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion:104 Resp: 141064
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 53.9 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

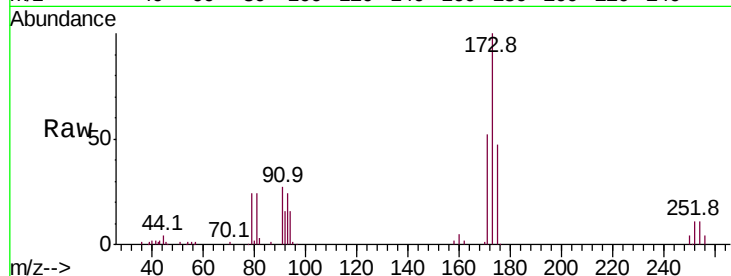




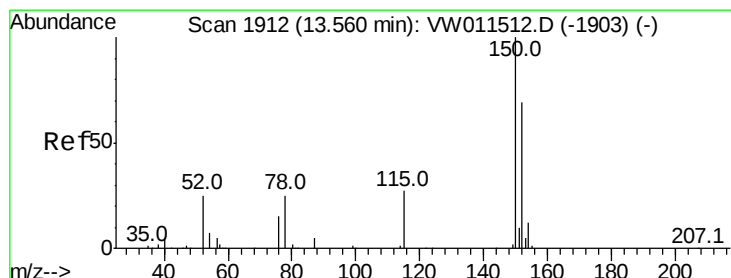
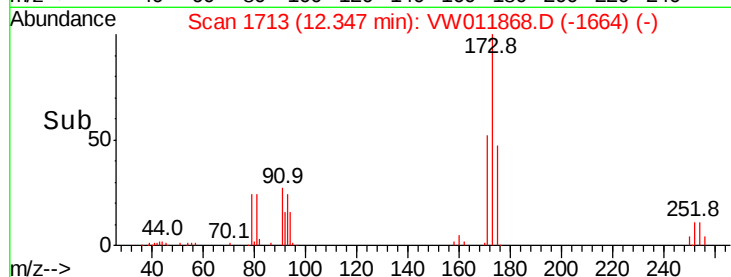
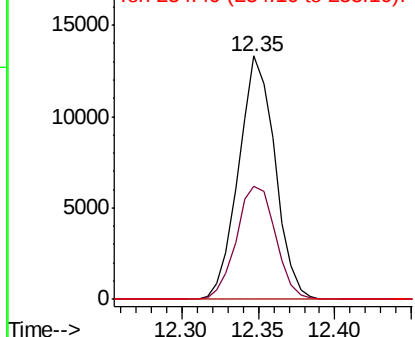
#71
Bromoform
Concen: 20.688 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 22032
Ion Ratio Lower Upper
173 100
175 49.9 23.6 71.0
254 0.0 0.1 0.1#

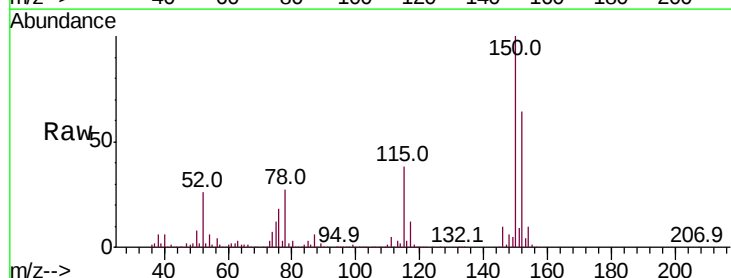


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

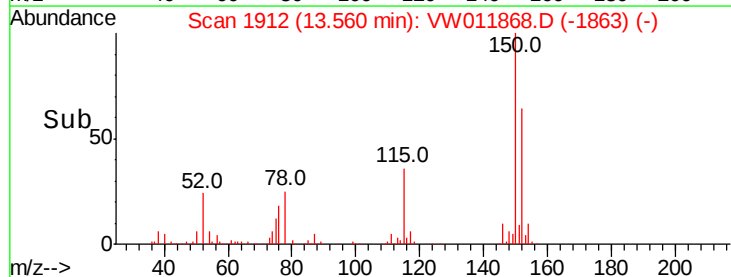
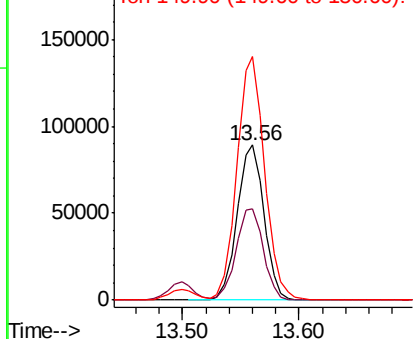


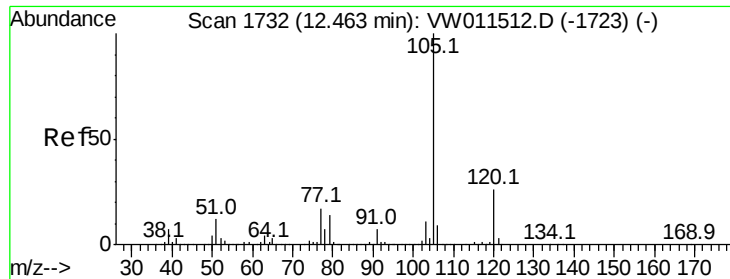
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion:152 Resp: 142854
Ion Ratio Lower Upper
152 100
115 60.3 30.5 91.5
150 162.2 0.0 352.6



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

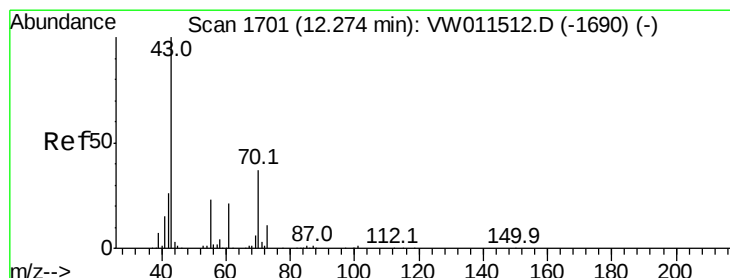
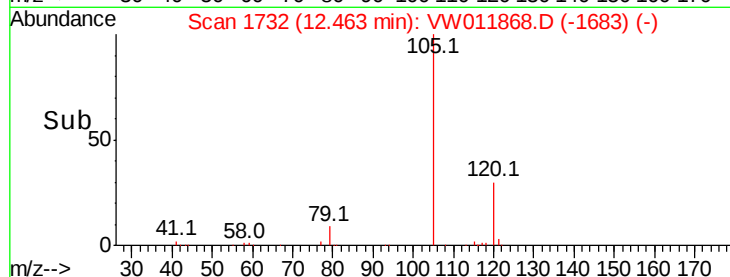
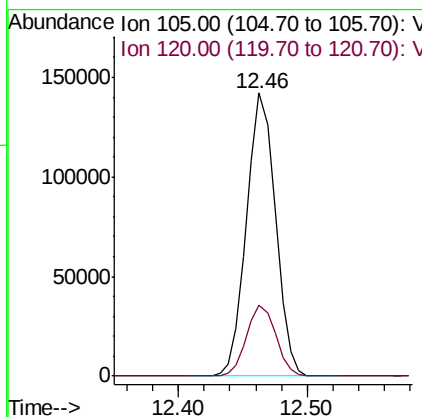
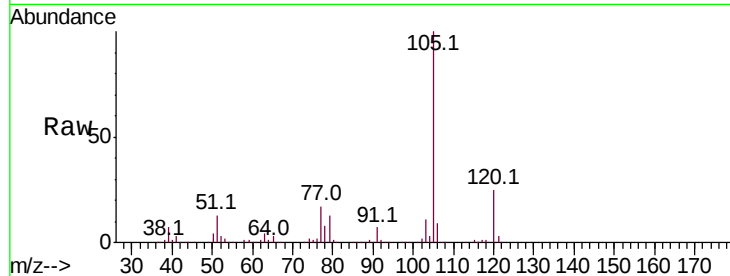




#73
Isopropylbenzene
Concen: 20.712 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

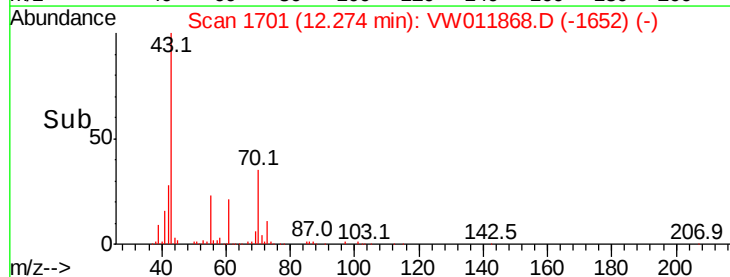
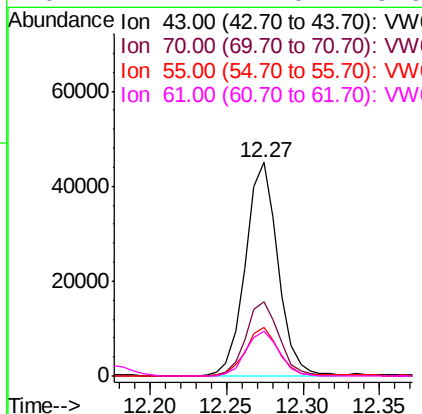
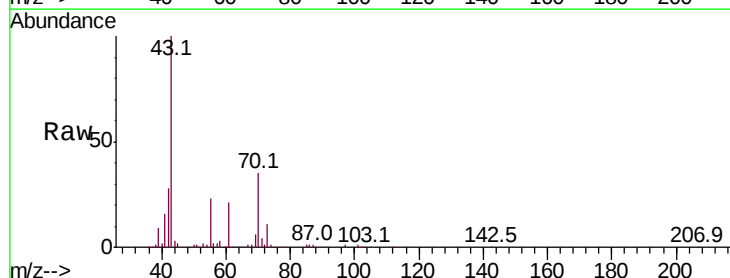
Instrument :
MSVOA_W
ClientSampled :

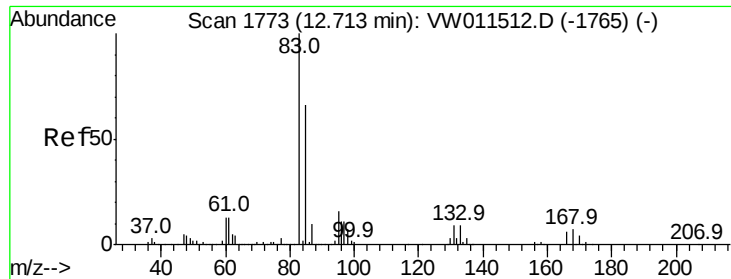
Tot Ion:105 Resp: 220736
Ion Ratio Lower Upper
105 100
120 25.4 12.9 38.7



#74
N-ethyl acetate
Concen: 19.878 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011868.D
Acq: 12 Aug 2019 23:53

Tgt Ion: 43 Resp: 66323
Ion Ratio Lower Upper
43 100
70 35.7 28.6 43.0
55 23.4 17.8 26.8
61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.866 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

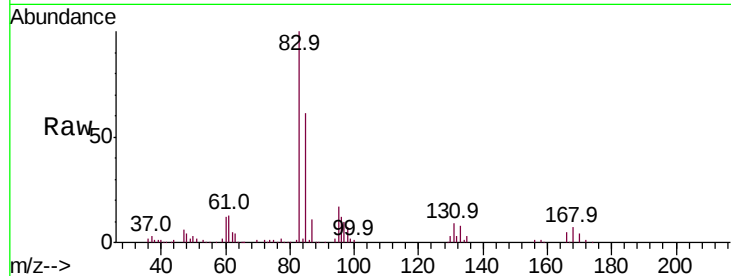
Tot Ion: 83 Resp: 43833

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

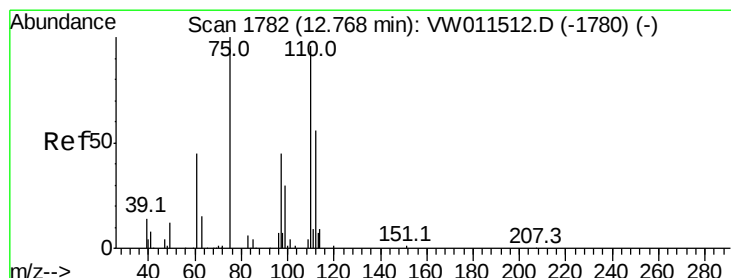
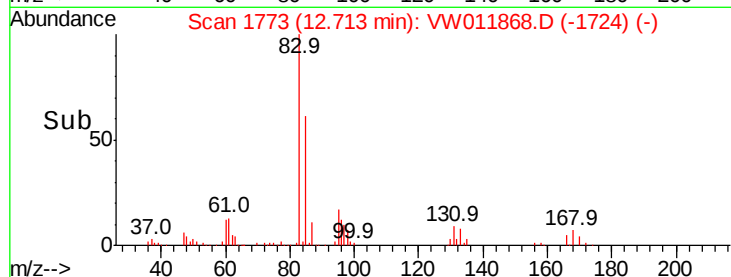
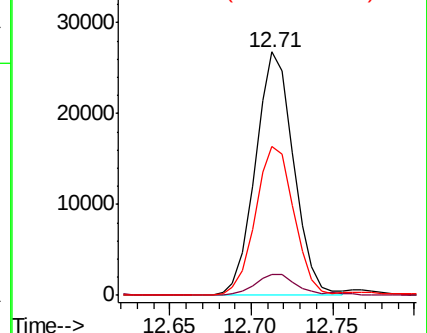
85 62.0 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.473 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011868.D

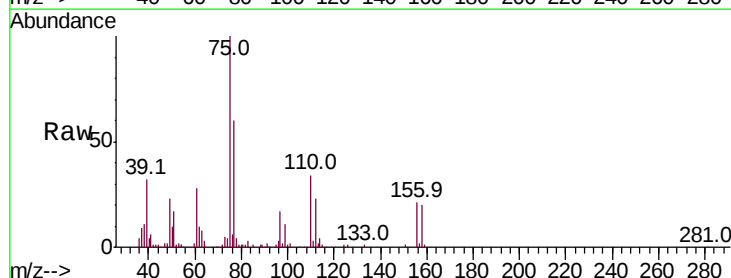
Acq: 12 Aug 2019 23:53

Tgt Ion: 75 Resp: 56643

Ion Ratio Lower Upper

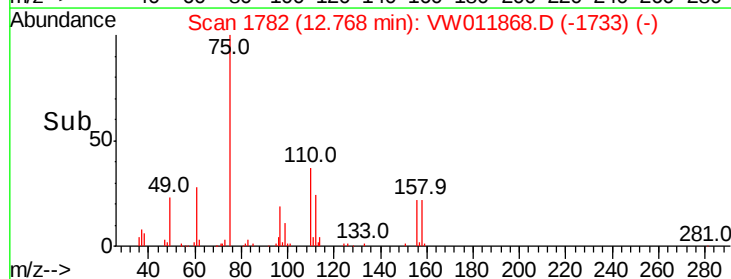
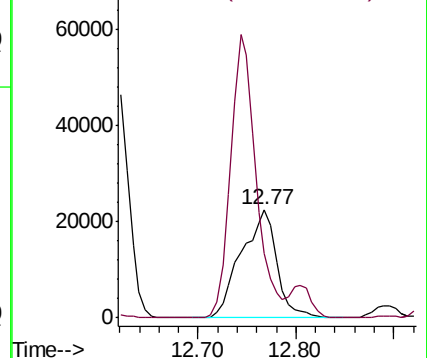
75 100

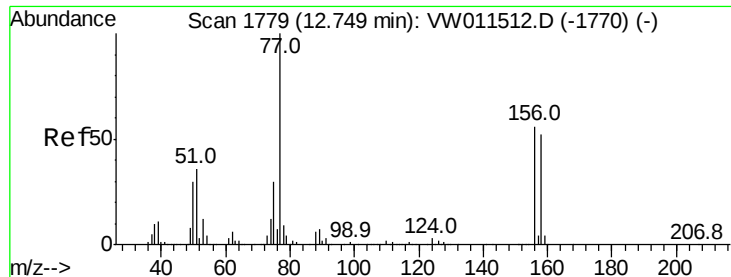
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.185 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

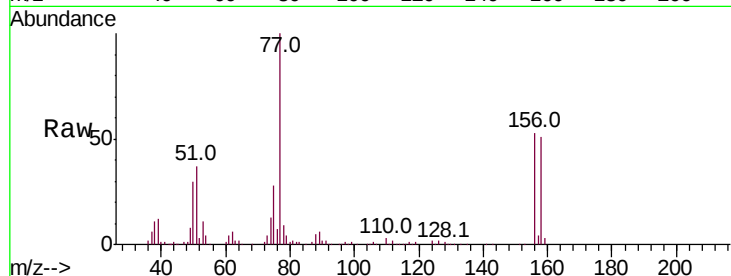
Tot Ion:156 Resp: 49904

Ion Ratio Lower Upper

156 100

77 213.0 106.5 319.4

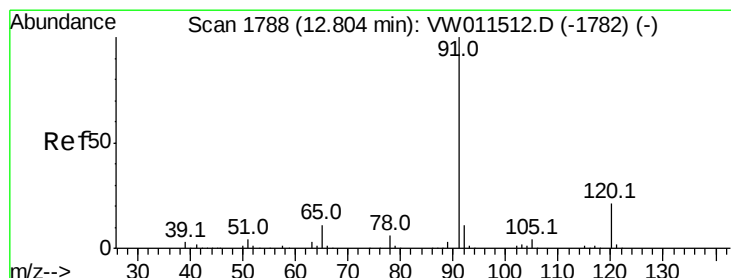
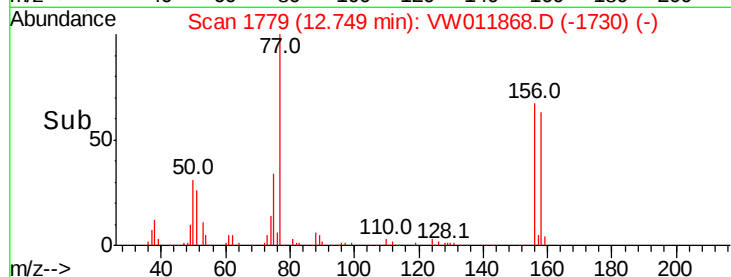
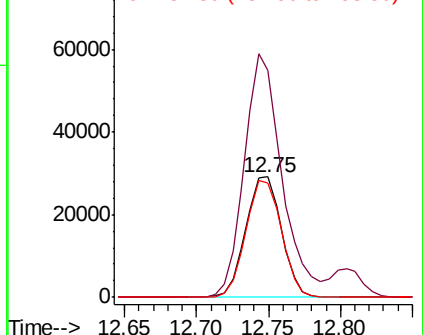
158 96.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.814 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011868.D

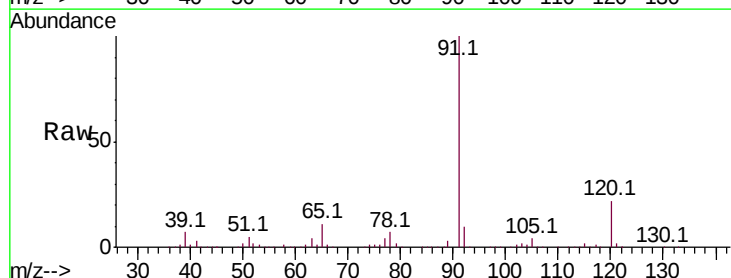
Acq: 12 Aug 2019 23:53

Tgt Ion: 91 Resp: 269956

Ion Ratio Lower Upper

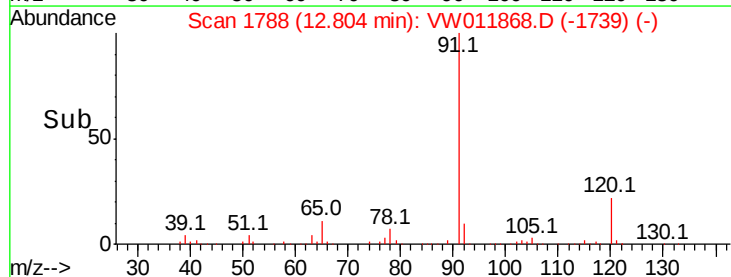
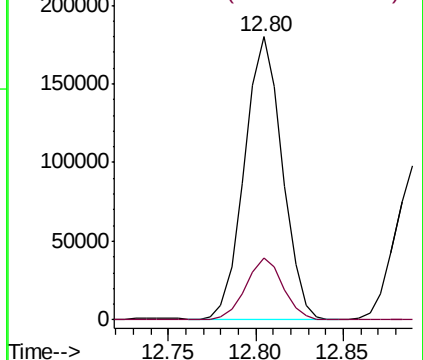
91 100

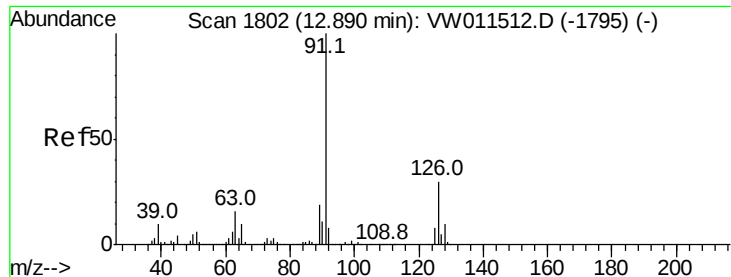
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.292 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

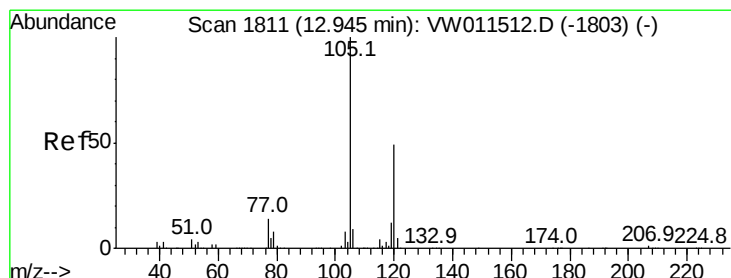
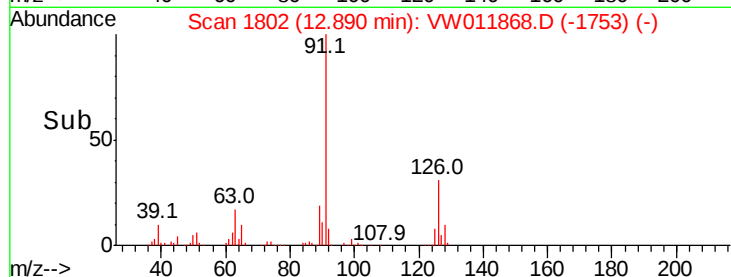
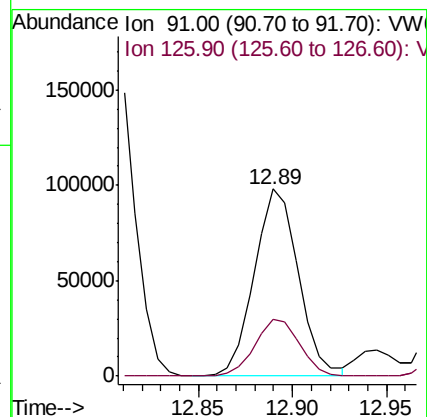
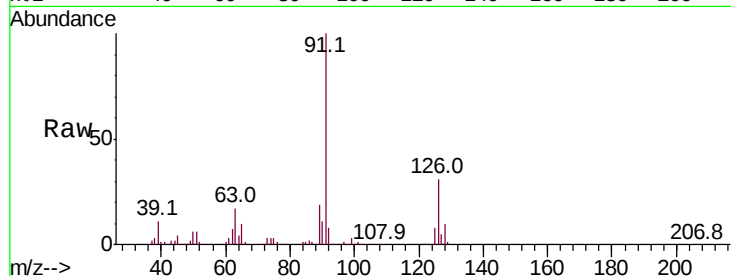
ClientSampleId :

Tot Ion: 91 Resp: 159091

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 21.331 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011868.D

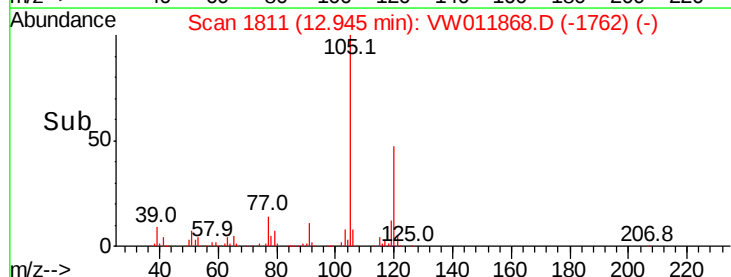
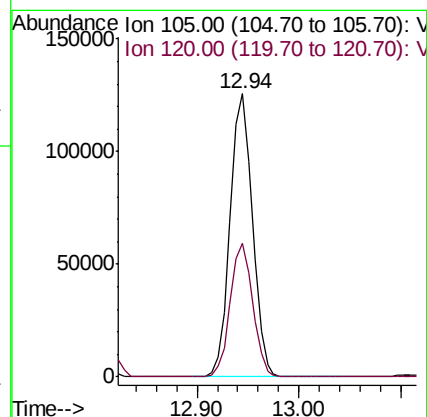
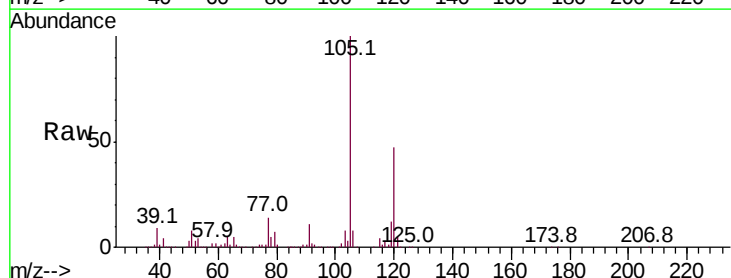
Acq: 12 Aug 2019 23:53

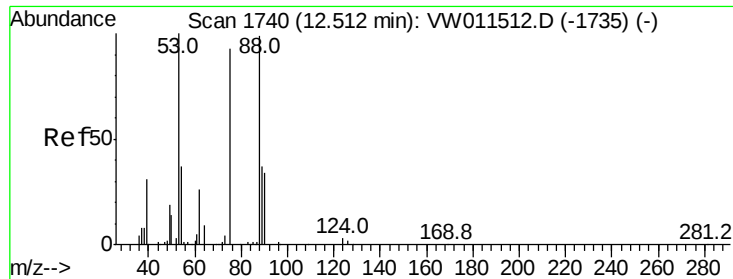
Tgt Ion:105 Resp: 190562

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.472 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

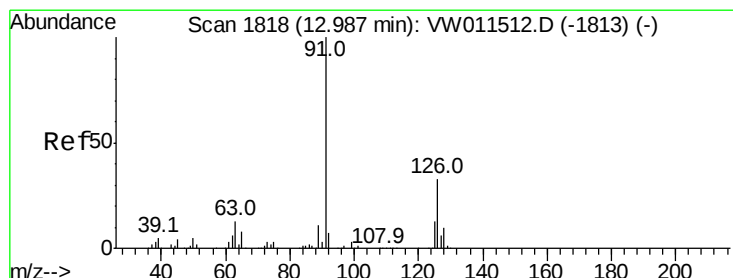
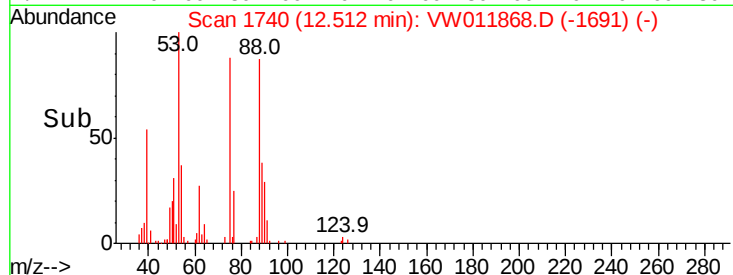
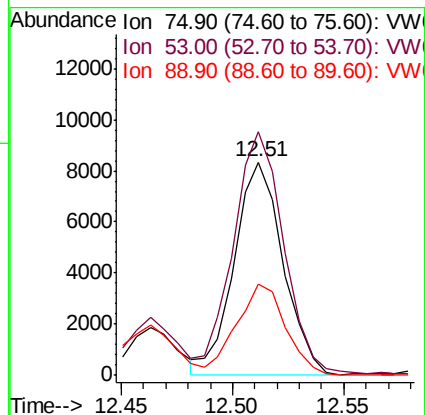
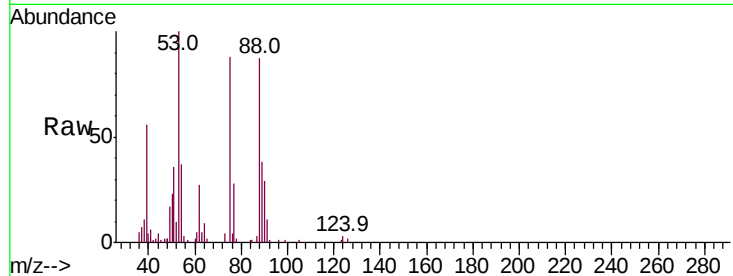
Tot Ion: 75 Resp: 12771

Ion Ratio Lower Upper

75 100

53 120.0 88.0 132.0

89 43.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.852 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011868.D

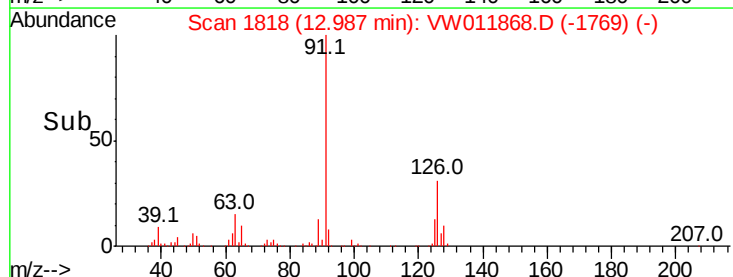
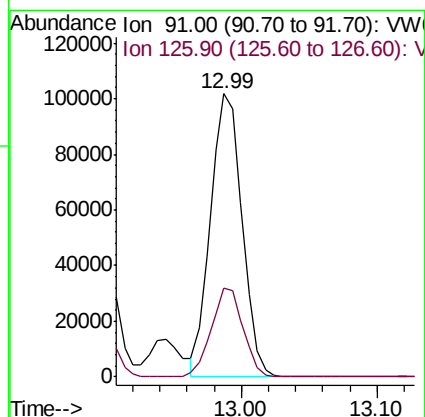
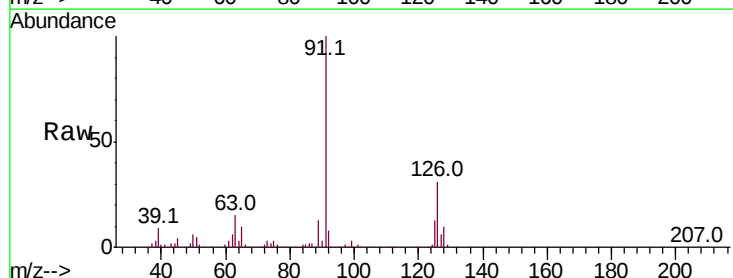
Acq: 12 Aug 2019 23:53

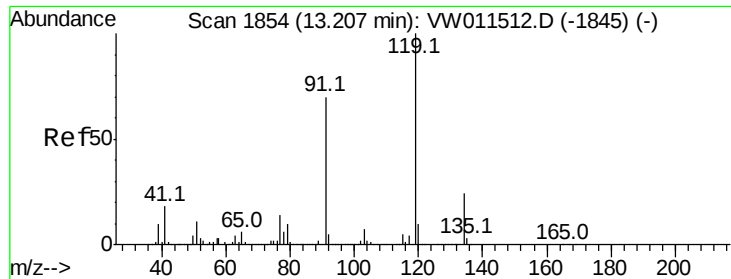
Tgt Ion: 91 Resp: 163475

Ion Ratio Lower Upper

91 100

126 31.7 15.6 46.8

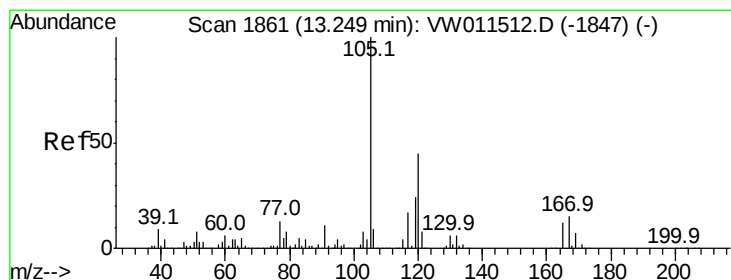
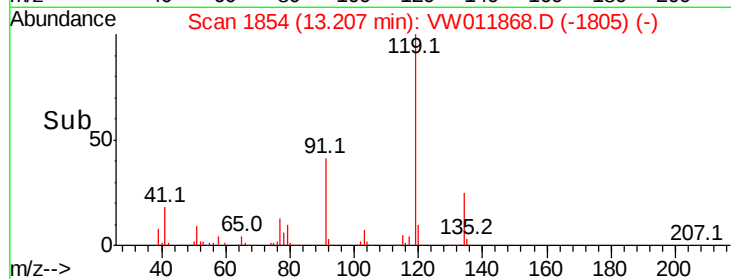
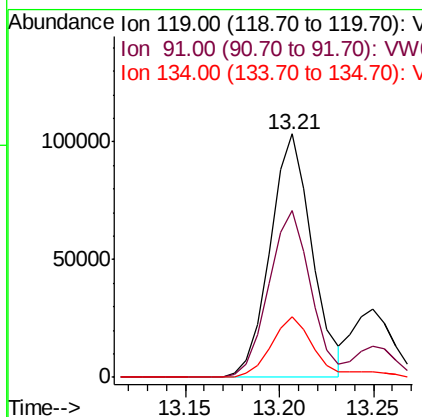
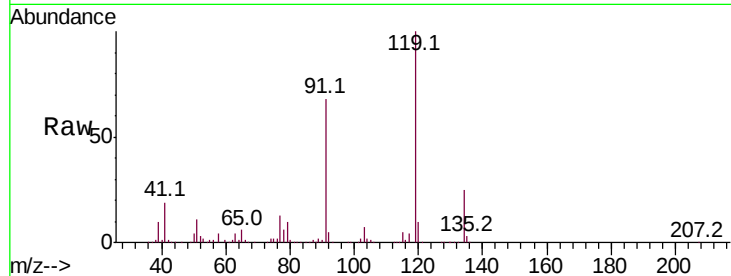




#83
 tert-Butylbenzene
 Concen: 21.295 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

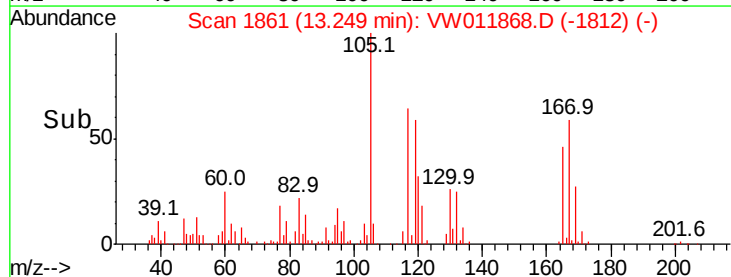
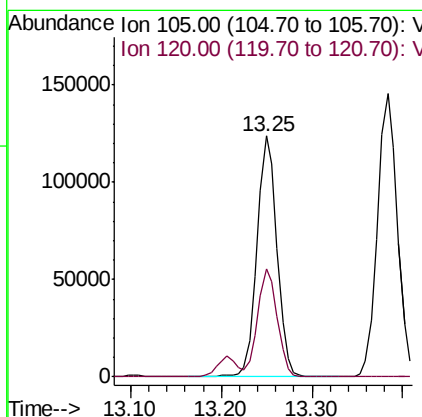
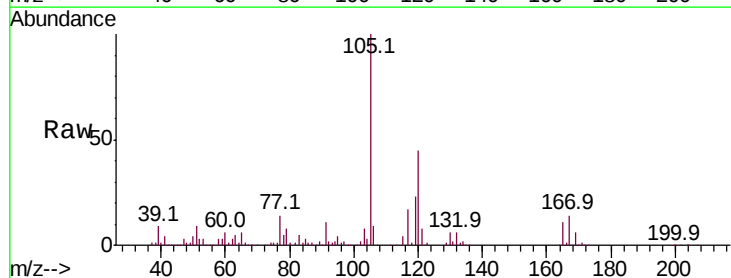
Instrument :
 MSVOA_W
 ClientSampled :

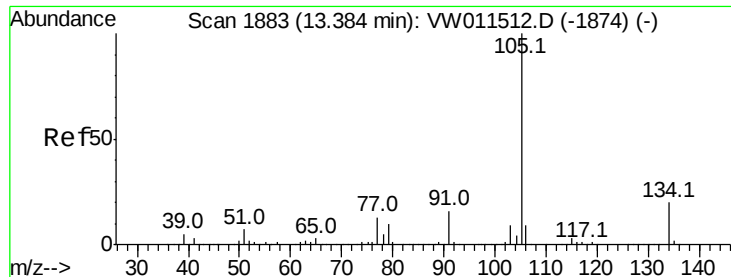
Tot Ion:119 Resp: 159084
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.5 103.6
 134 24.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.983 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion:105 Resp: 188826
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5

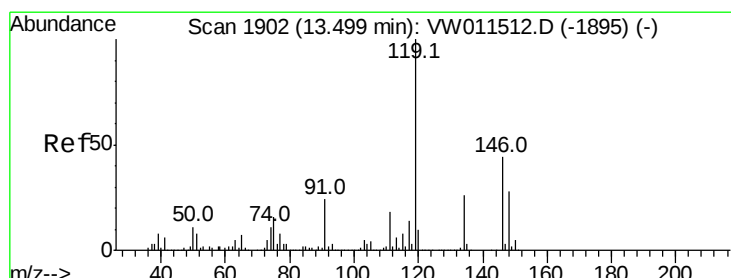
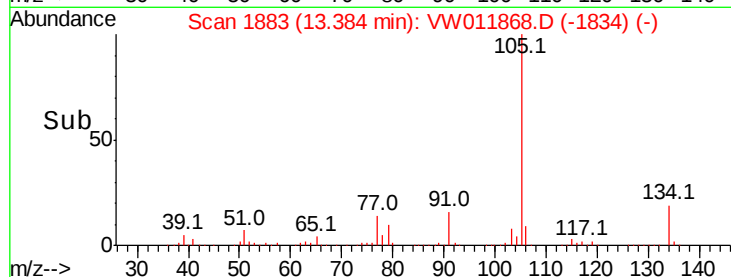
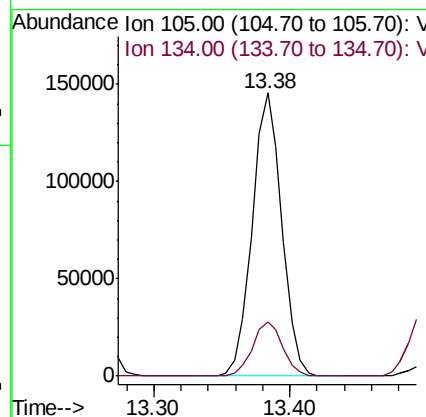
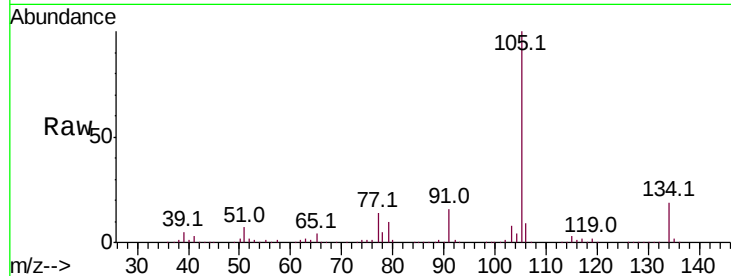




#85
 sec-Butylbenzene
 Concen: 20.759 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

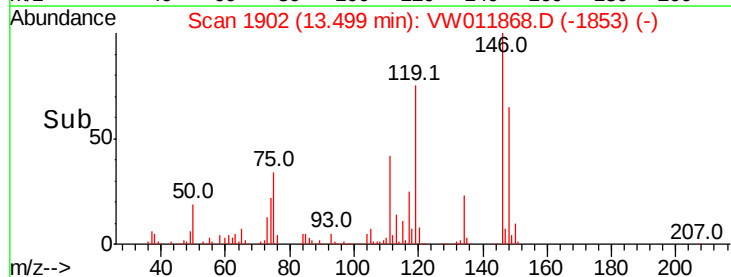
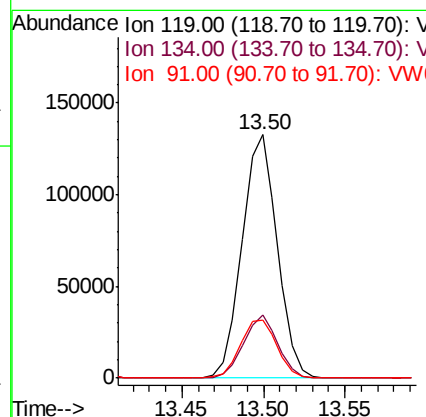
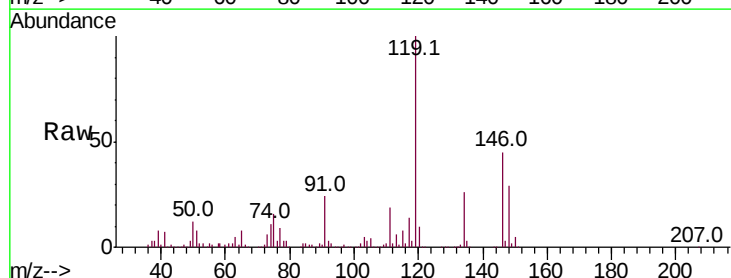
Instrument :
 MSVOA_W
 ClientSampleId :

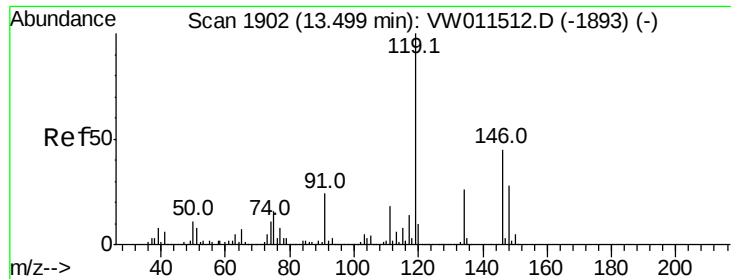
Tot Ion:105 Resp: 221280
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.562 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion:119 Resp: 198863
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.4
 91 24.6 12.1 36.3

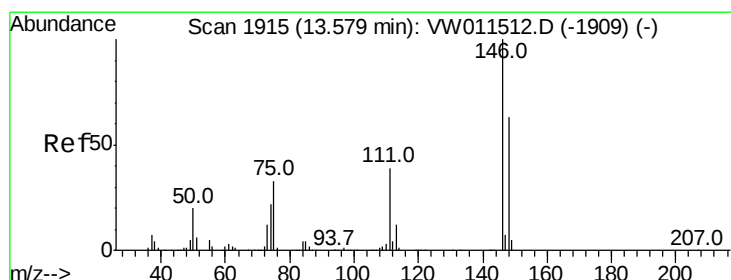
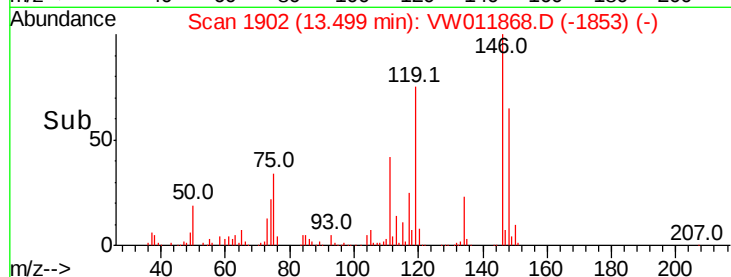
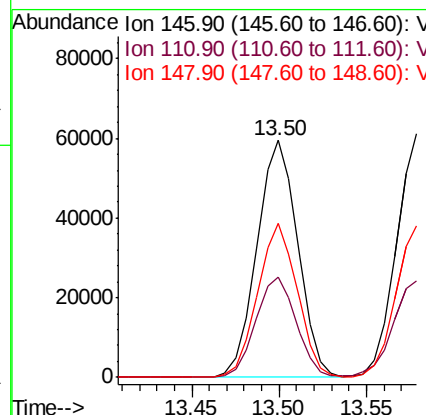
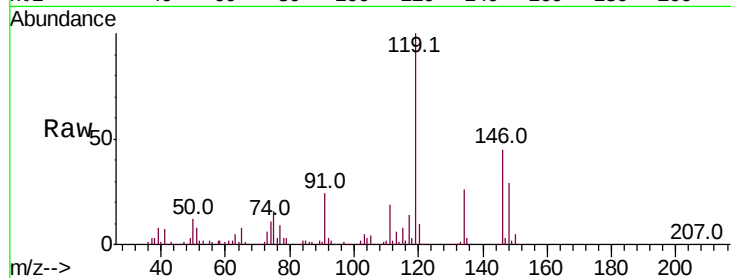




#87
 1,3-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

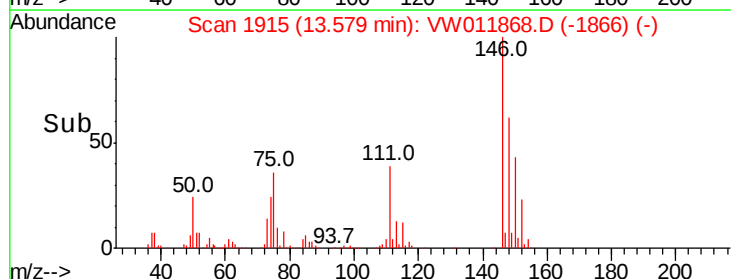
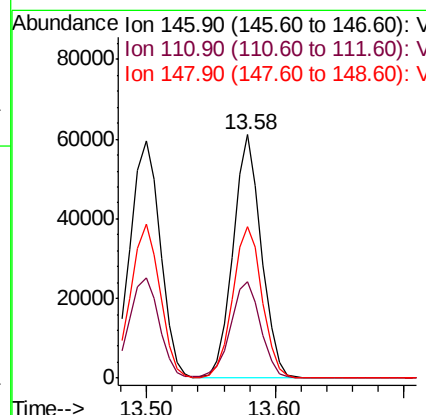
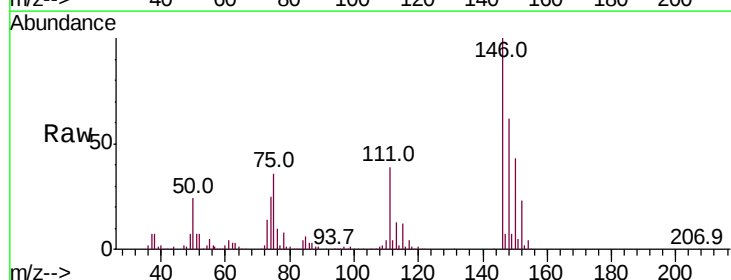
Instrument :
 MSVOA_W
 ClientSampleId :

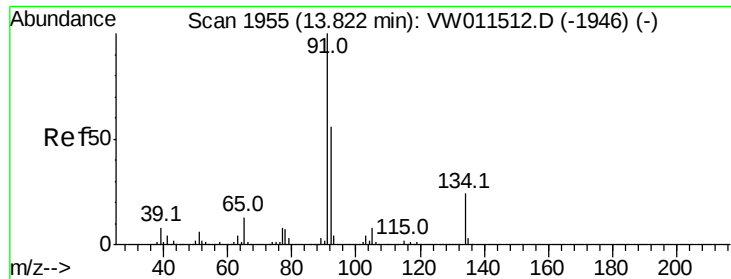
Tot Ion:146 Resp: 96198
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.6
 148 63.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.434 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion:146 Resp: 93886
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 64.8 31.9 95.9





#89

n-Butylbenzene

Concen: 19.691 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

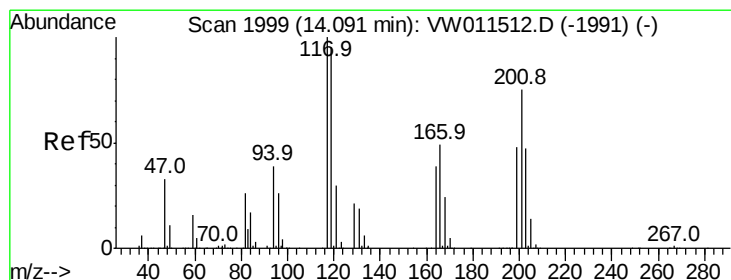
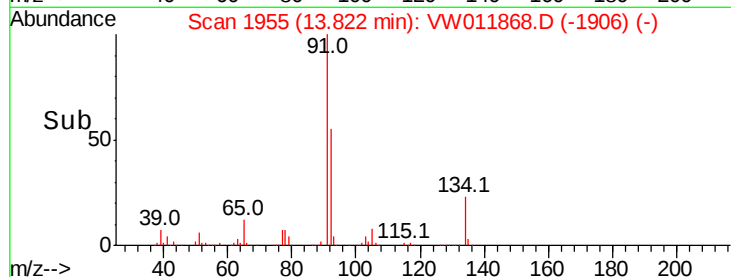
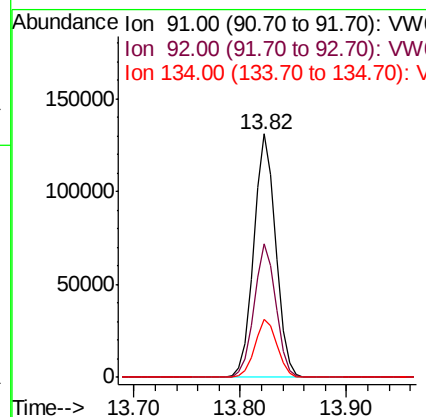
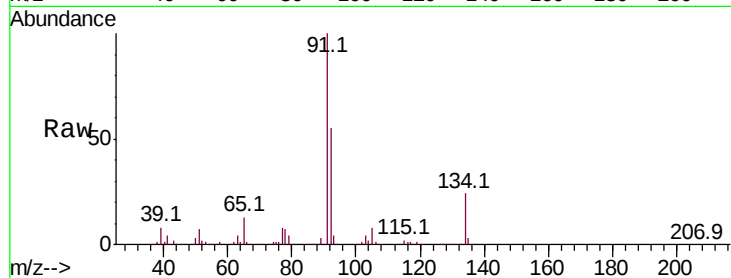
Tot Ion: 91 Resp: 190055

Ion Ratio Lower Upper

91 100

92 54.2 27.5 82.4

134 24.1 12.2 36.6



#90

Hexachloroethane

Concen: 20.700 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011868.D

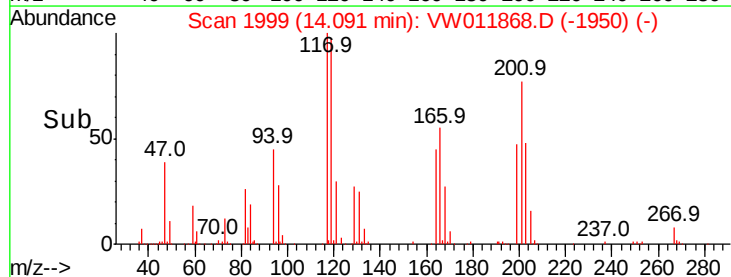
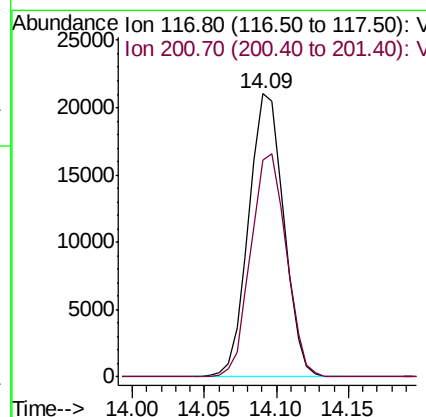
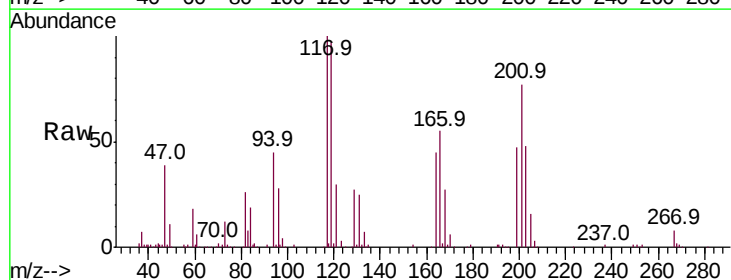
Acq: 12 Aug 2019 23:53

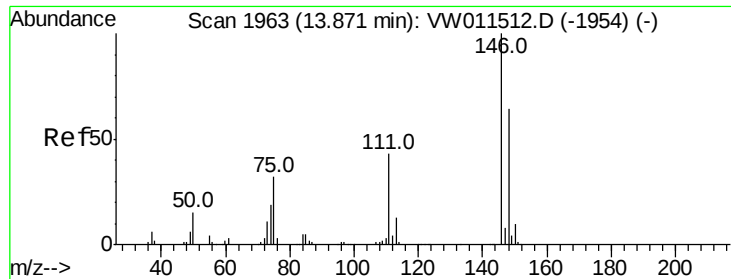
Tgt Ion: 117 Resp: 35401

Ion Ratio Lower Upper

117 100

201 79.9 39.4 118.2

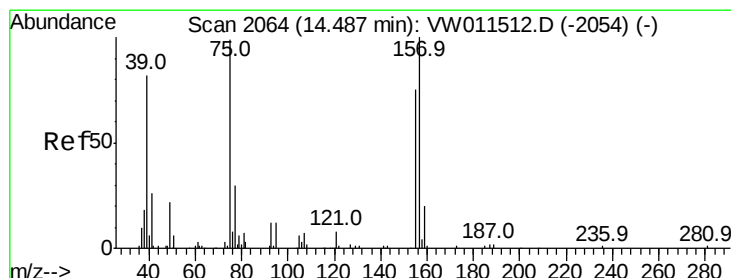
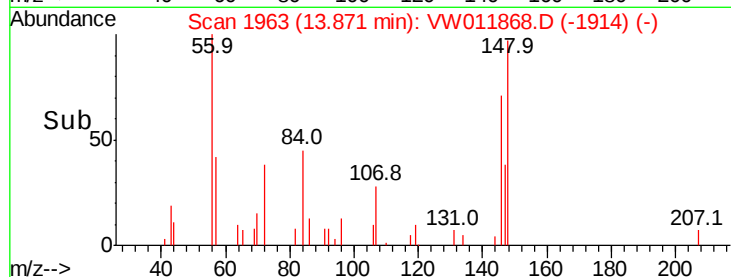
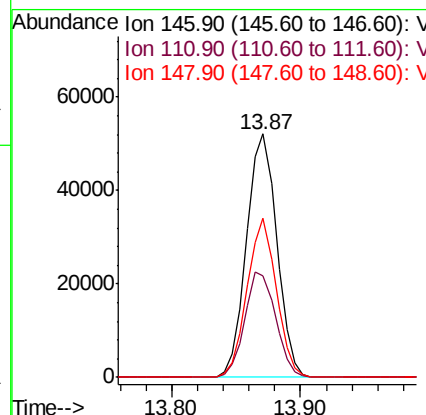
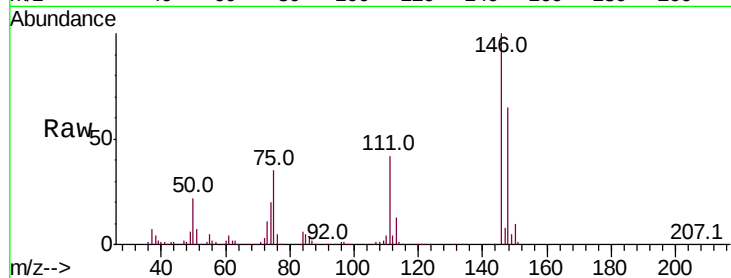




#91
 1,2-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

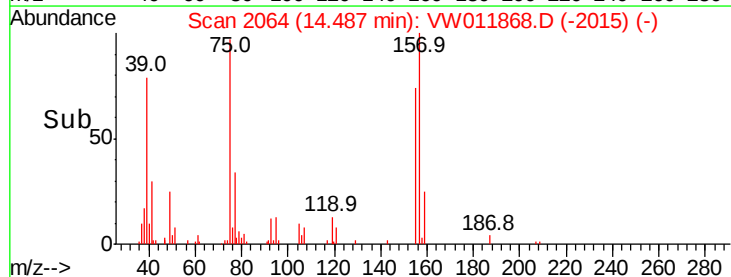
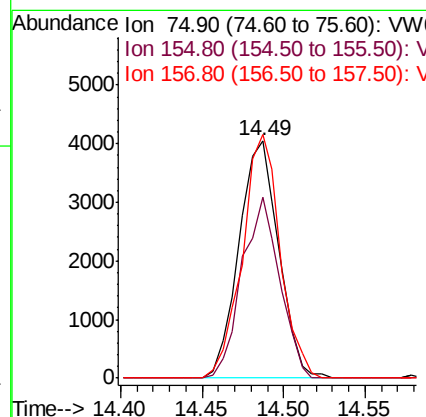
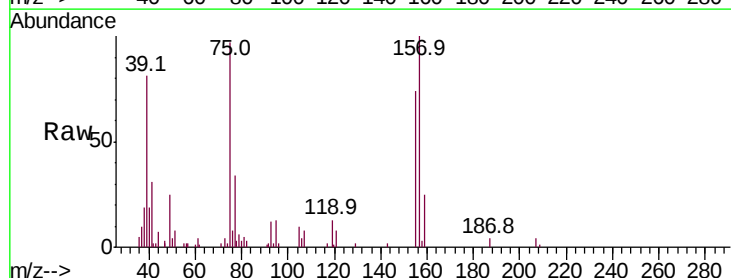
Instrument :
 MSVOA_W
 ClientSampleId :

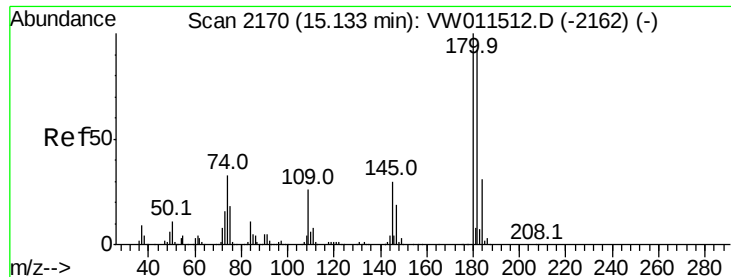
Tot Ion:146 Resp: 84744
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.6 65.0
 148 62.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.071 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion: 75 Resp: 6861
 Ion Ratio Lower Upper
 75 100
 155 72.2 38.2 114.6
 157 97.7 48.9 146.7

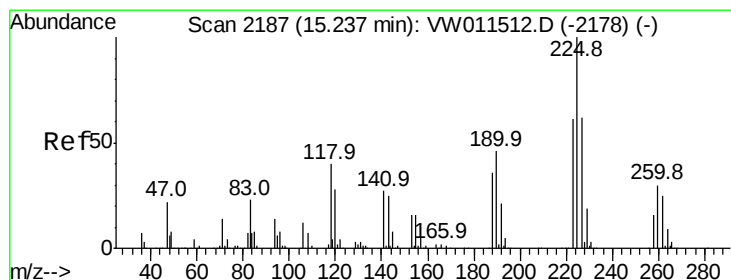
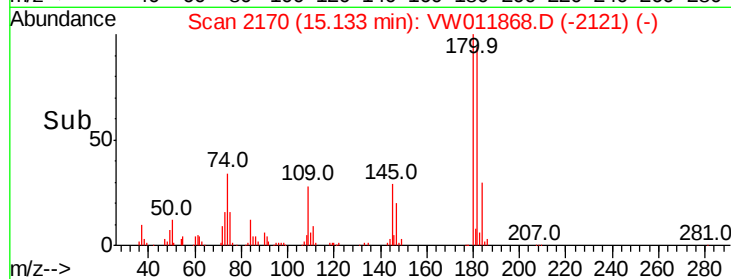
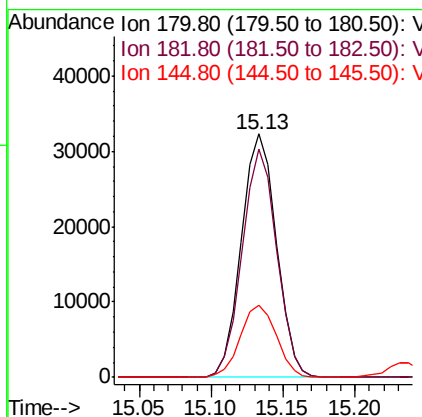
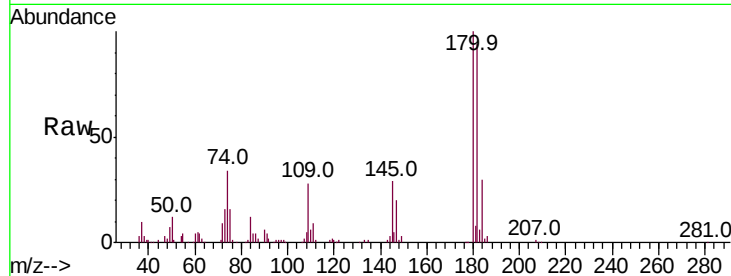




#93
 1,2,4-Trichlorobenzene
 Concen: 18.924 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

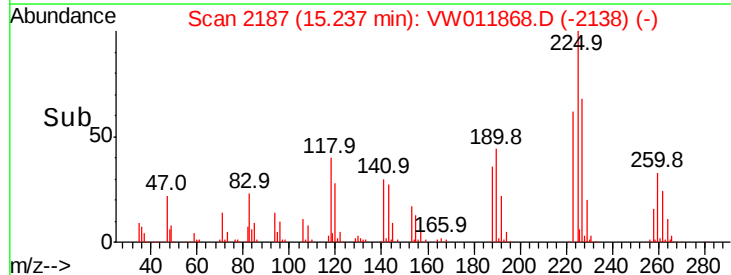
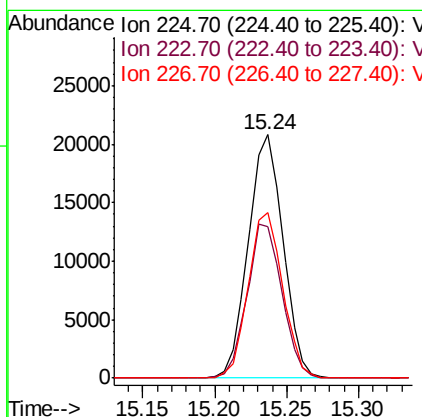
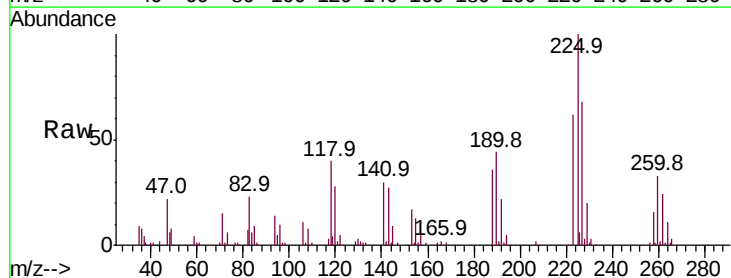
Instrument :
 MSVOA_W
 ClientSampleId :

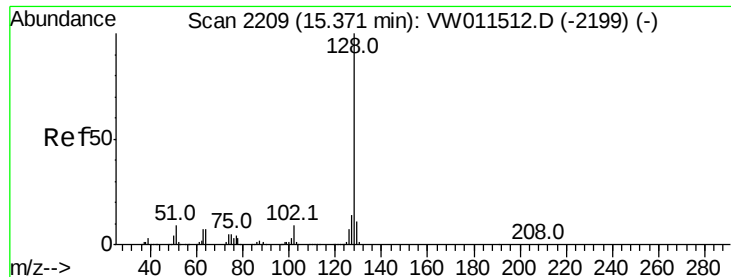
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.2
145	30.5	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 19.398 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011868.D
 Acq: 12 Aug 2019 23:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.3
227	67.1	31.6	94.7





#95

Naphthalene

Concen: 18.266 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

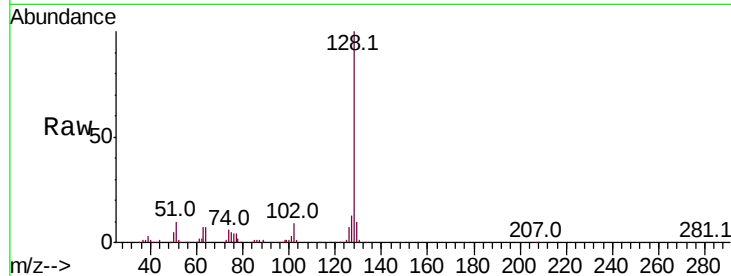
Tot Ion:128 Resp: 95300

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

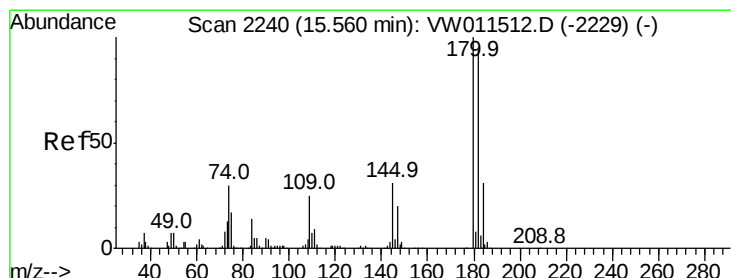
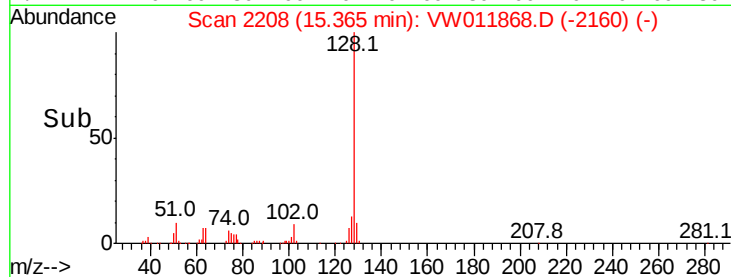
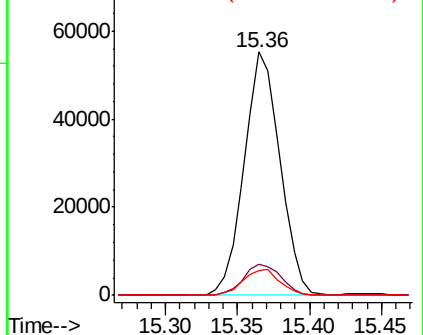
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.801 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011868.D

Acq: 12 Aug 2019 23:53

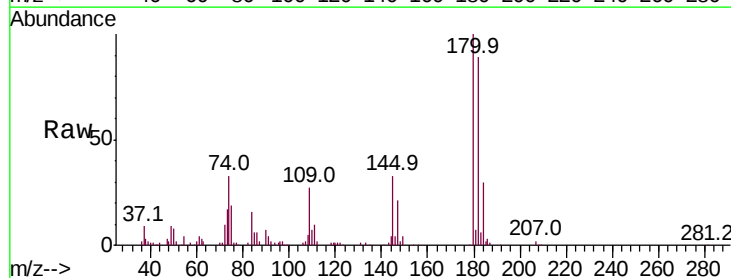
Tgt Ion:180 Resp: 47446

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

145 33.0 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

