

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011469.D
 Acq On : 24 Jul 2019 12:40
 Operator : SY/VA
 Sample : VW0725SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128426	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
35) Dibromofluoromethane	7.88	113	106320	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	10.32	98	431406	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.62	95	157319	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31147	17.823	ug/l	95
3) Chloromethane	2.21	50	47605	21.141	ug/l	95
4) Vinyl Chloride	2.36	62	59752	20.273	ug/l	97
5) Bromomethane	2.76	94	28652	19.346	ug/l	89
6) Chloroethane	2.91	64	30352	19.119	ug/l	98
7) Trichlorofluoromethane	3.25	101	23234	22.190	ug/l	98
8) Diethyl Ether	3.68	74	28514	19.682	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48968	19.525	ug/l	98
10) Methyl Iodide	4.26	142	68028	19.722	ug/l	98
11) Tert butyl alcohol	5.17	59	23117	106.048	ug/l	97
12) 1,1-Dichloroethene	4.04	96	50445	19.379	ug/l	93
13) Acrolein	3.89	56	12818	73.845	ug/l	96
14) Allyl chloride	4.66	41	100283	21.127	ug/l	99
15) Acrylonitrile	5.36	53	73367	99.437	ug/l	99
16) Acetone	4.12	43	68987	97.380	ug/l	99
17) Carbon Disulfide	4.39	76	140314	17.780	ug/l	98
18) Methyl Acetate	4.67	43	48990	23.571	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	81598	20.660	ug/l	100
20) Methylene Chloride	4.92	84	55877	19.994	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52722	19.492	ug/l	93
22) Diisopropyl ether	6.31	45	202714	19.856	ug/l	97
23) Vinyl Acetate	6.25	43	584505	92.510	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106469	19.860	ug/l	99
25) 2-Butanone	7.17	43	109480	98.449	ug/l	98
26) 2,2-Dichloropropane	7.17	77	59693	21.420	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59221	20.297	ug/l	98
28) Bromochloromethane	7.51	49	48296	19.812	ug/l	97
29) Tetrahydrofuran	7.52	42	69169	94.859	ug/l	100
30) Chloroform	7.67	83	96707	19.478	ug/l	98
31) Cyclohexane	7.95	56	109367	19.176	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74533	19.735	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79932	19.694	ug/l	99
37) Ethyl Acetate	7.25	43	48161	19.750	ug/l	99
38) Carbon Tetrachloride	8.07	117	66495	19.327	ug/l	98

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 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96414	19.599	ug/l	98
40) Benzene	8.32	78	227128	20.249	ug/l	99
41) Methacrylonitrile	7.48	41	28170	20.198	ug/l	93
42) 1,2-Dichloroethane	8.40	62	70761	19.447	ug/l	98
43) Isopropyl Acetate	8.42	43	89170	19.368	ug/l	99
44) Trichloroethene	9.09	130	55105	20.416	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61484	20.242	ug/l	99
46) Dibromomethane	9.46	93	27962	19.598	ug/l	97
47) Bromodichloromethane	9.64	83	69448	19.023	ug/l	97
48) Methyl methacrylate	9.43	41	41667	18.812	ug/l	95
49) 1,4-Dioxane	9.45	88	9223	387.259	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	228168	94.873	ug/l	99
52) Toluene	10.38	92	138118	20.299	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73143	18.822	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	87813	19.198	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	40846	20.179	ug/l	95
56) Ethyl methacrylate	10.65	69	59436	19.286	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75618	19.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	101471	71.023	ug/l	99
59) 2-Hexanone	10.97	43	161106	96.595	ug/l	99
60) Dibromochloromethane	11.13	129	42236	19.028	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37666	19.645	ug/l	99
64) Tetrachloroethene	10.86	164	48203	21.469	ug/l	95
65) Chlorobenzene	11.66	112	137199	20.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48020	20.161	ug/l	99
67) Ethyl Benzene	11.73	91	263529	20.349	ug/l	100
68) m/p-Xylenes	11.84	106	194025	41.406	ug/l	99
69) o-Xylene	12.16	106	89764	20.324	ug/l	100
70) Styrene	12.18	104	156168	20.489	ug/l	99
71) Bromoform	12.35	173	23454	18.520	ug/l #	98
73) Isopropylbenzene	12.46	105	255656	21.381	ug/l	100
74) N-amyl acetate	12.27	43	81429	19.553	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48388	19.741	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	63620	34.417	ug/l #	100
77) Bromobenzene	12.75	156	56732	21.141	ug/l	95
78) n-propylbenzene	12.80	91	308484	20.943	ug/l	100
79) 2-Chlorotoluene	12.89	91	176273	20.796	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	212055	20.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15266	18.679	ug/l	98
82) 4-Chlorotoluene	12.99	91	181257	20.531	ug/l	100
83) tert-Butylbenzene	13.21	119	180543	21.310	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213773	20.958	ug/l	100
85) sec-Butylbenzene	13.38	105	259594	21.235	ug/l	99
86) p-Isopropyltoluene	13.50	119	231616	21.124	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	109571	21.223	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	107542	20.685	ug/l	99
89) n-Butylbenzene	13.82	91	228168	20.860	ug/l	100
90) Hexachloroethane	14.09	117	39502	19.715	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	96804	20.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8098	18.626	ug/l	96

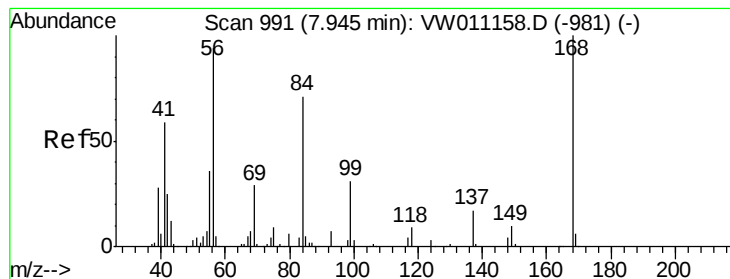
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67106	20.801	ug/l	99
94) Hexachlorobutadiene	15.24	225	41691	21.049	ug/l	98
95) Naphthalene	15.37	128	121655	19.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58694	20.614	ug/l	98

(#) = 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: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

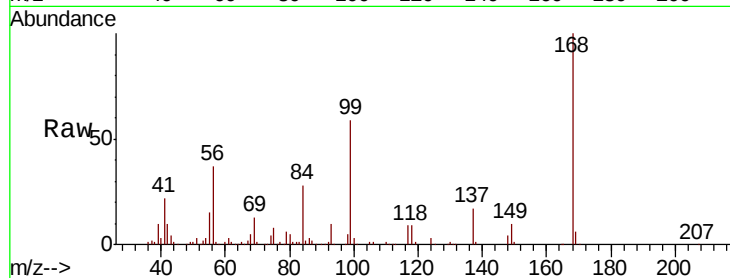
ClientSampled :

Tot Ion:168 Resp: 234318

Ion Ratio Lower Upper

168 100

99 59.0 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

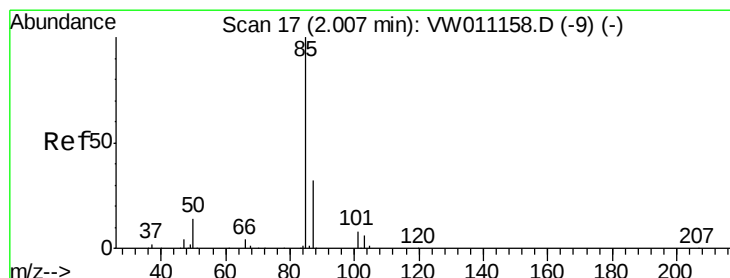
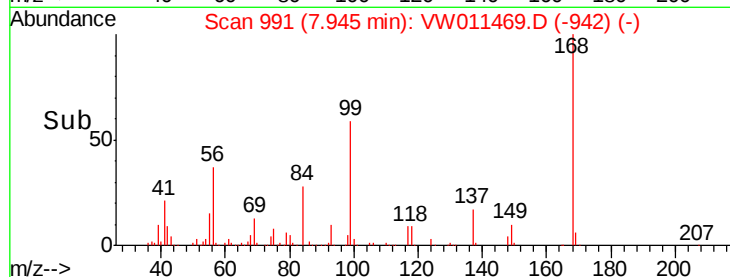
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.823 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011469.D

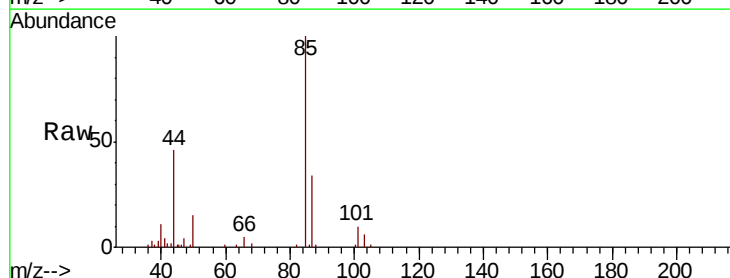
Acq: 24 Jul 2019 12:40

Tgt Ion: 85 Resp: 31147

Ion Ratio Lower Upper

85 100

87 34.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

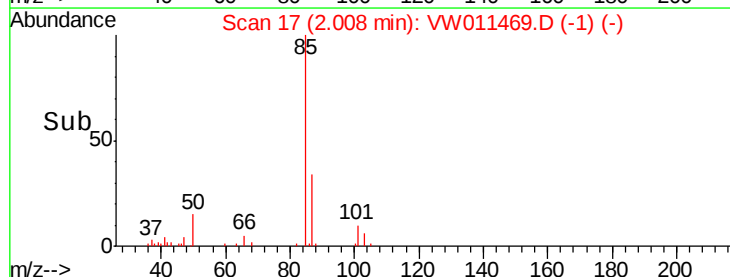
6000

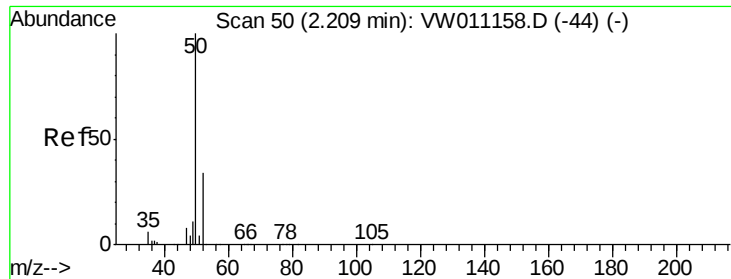
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.141 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

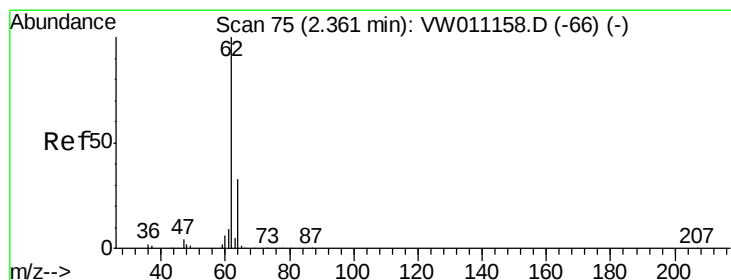
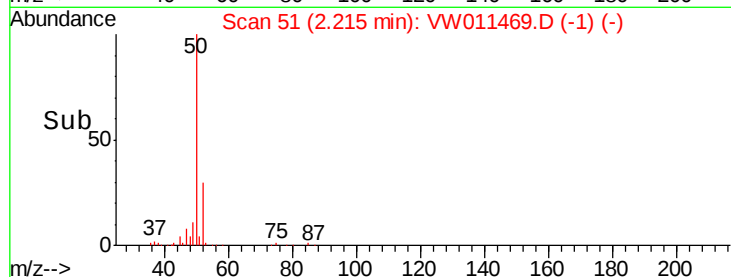
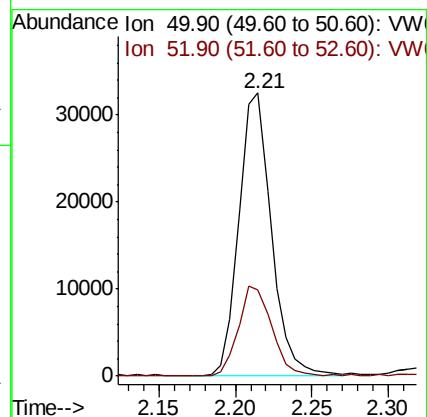
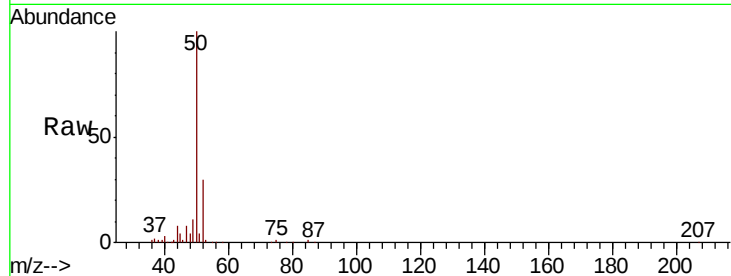
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 47605

Ion Ratio Lower Upper

50 100

52 30.6 26.9 40.3



#4

Vinyl Chloride

Concen: 20.273 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011469.D

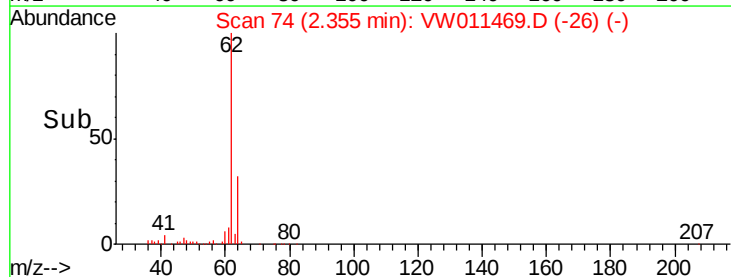
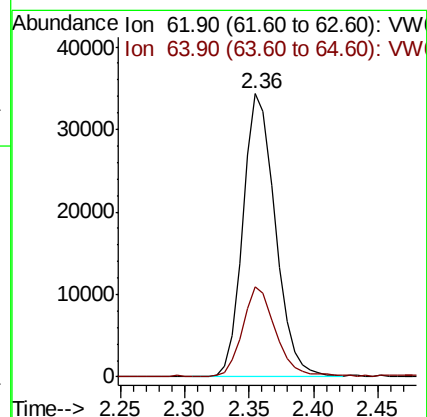
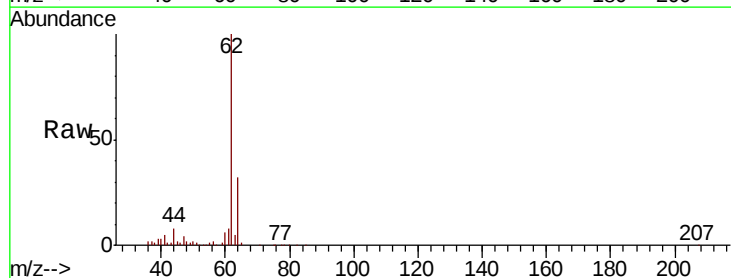
Acq: 24 Jul 2019 12:40

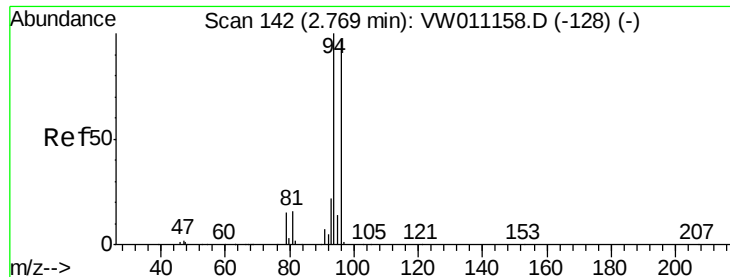
Tgt Ion: 62 Resp: 59752

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 19.346 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

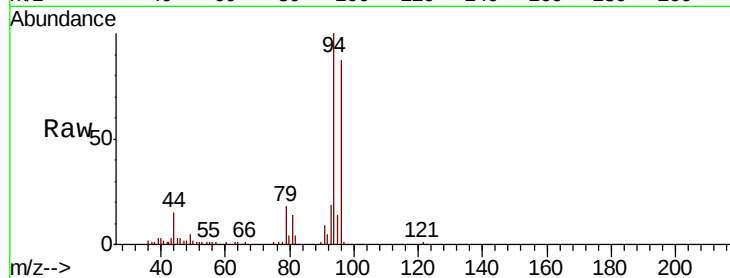
ClientSampleId :

Tot Ion: 94 Resp: 28652

Ion Ratio Lower Upper

94 100

96 86.0 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

10000

8000

6000

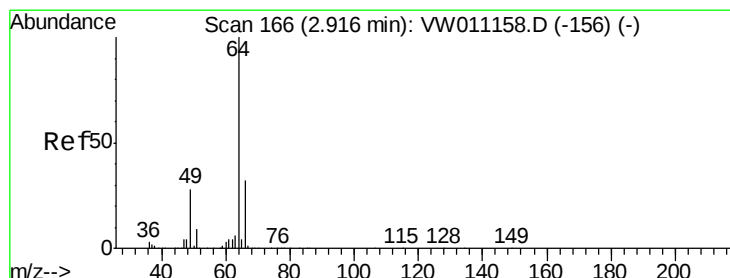
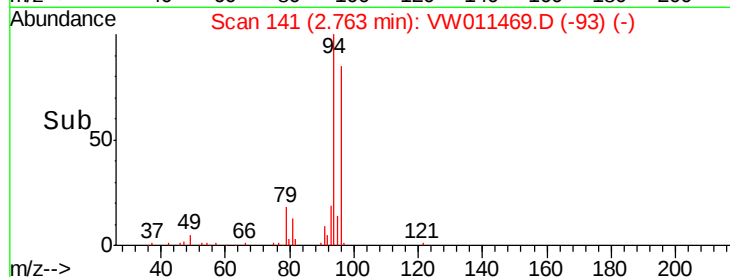
4000

2000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 19.119 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011469.D

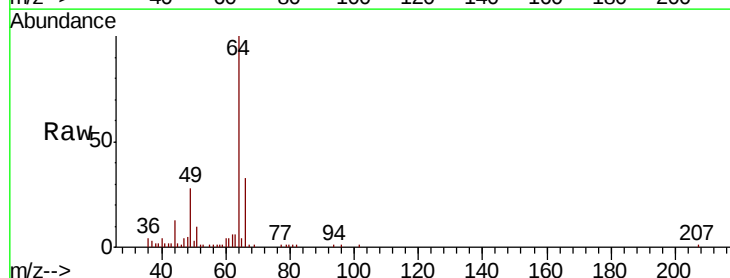
Acq: 24 Jul 2019 12:40

Tgt Ion: 64 Resp: 30352

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

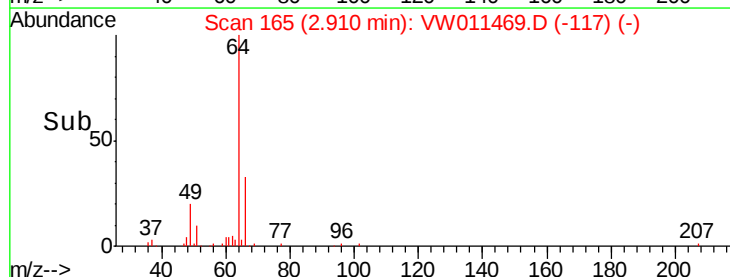
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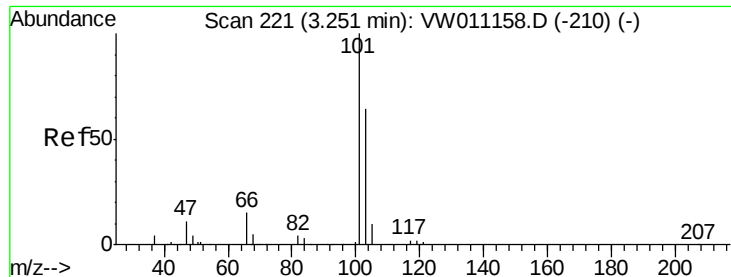
2000

0

Time-->

2.80 2.90 3.00



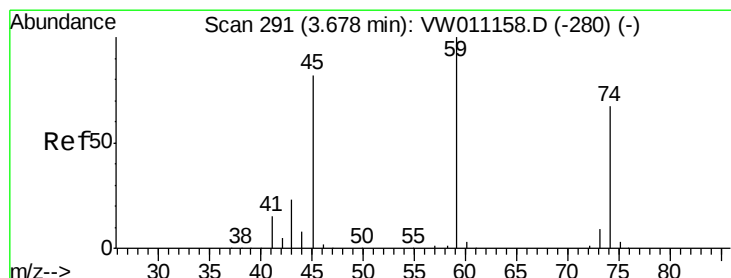
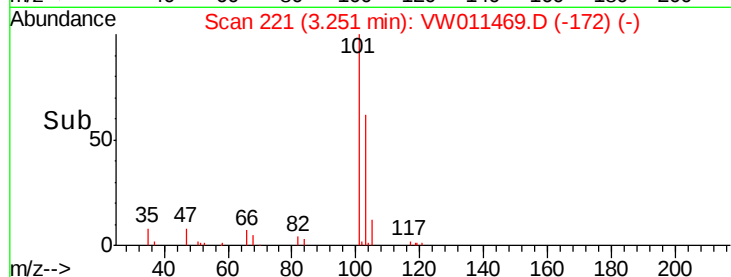
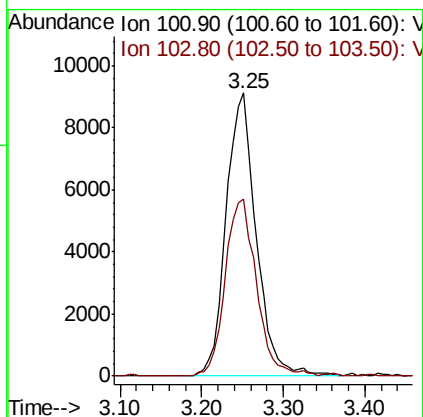
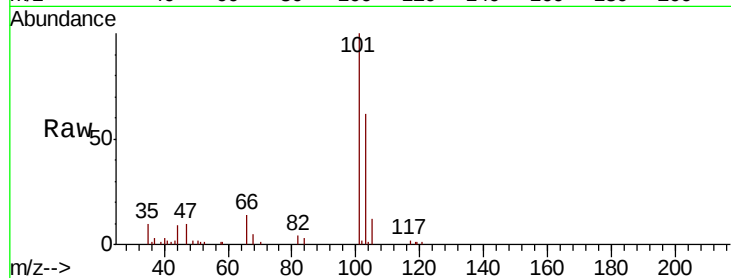


#7

Trichlorofluoromethane
 Concen: 22.190 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Instrument :
 MSVOA_W
 ClientSampled :

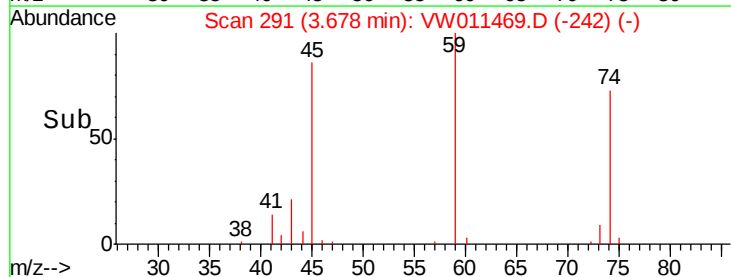
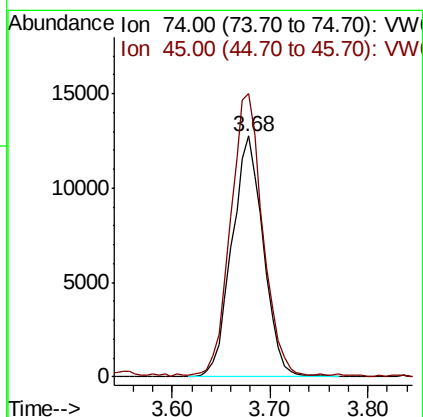
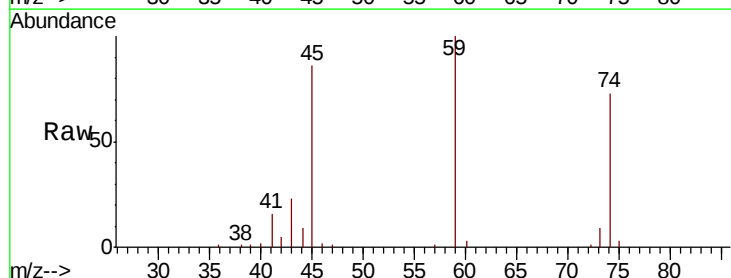
Tot Ion:101 Resp: 23234
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.3 76.9

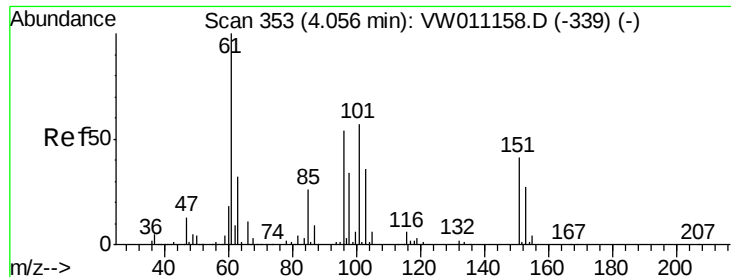


#8

Diethyl Ether
 Concen: 19.682 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 74 Resp: 28514
 Ion Ratio Lower Upper
 74 100
 45 121.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.525 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

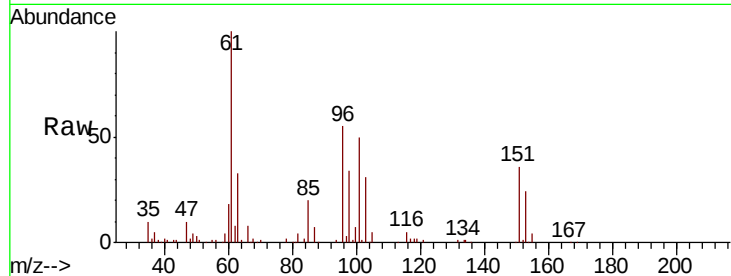
Tot Ion:101 Resp: 48968

Ion Ratio Lower Upper

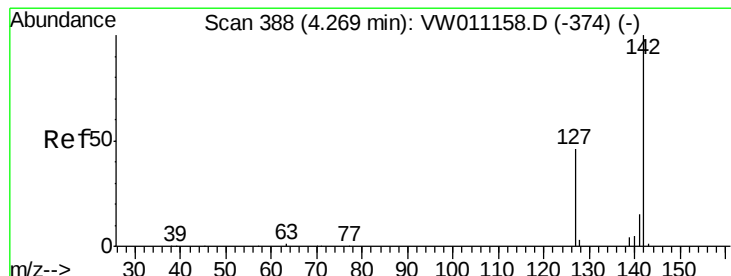
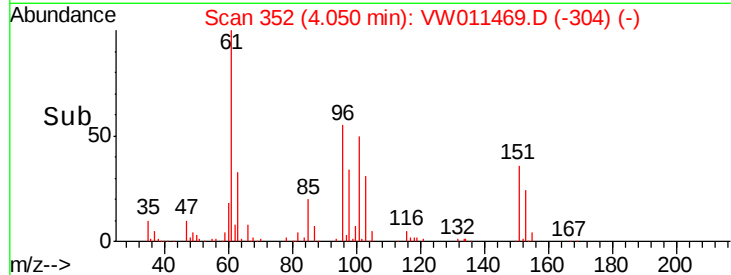
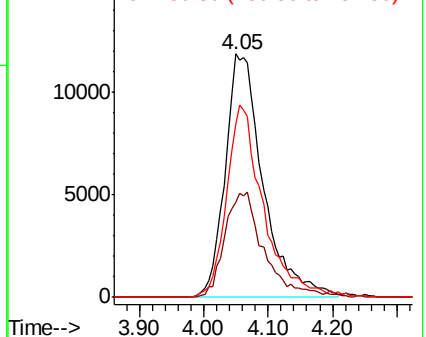
101 100

85 44.6 36.5 54.7

151 75.3 59.1 88.7



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



#10

Methyl Iodide

Concen: 19.722 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

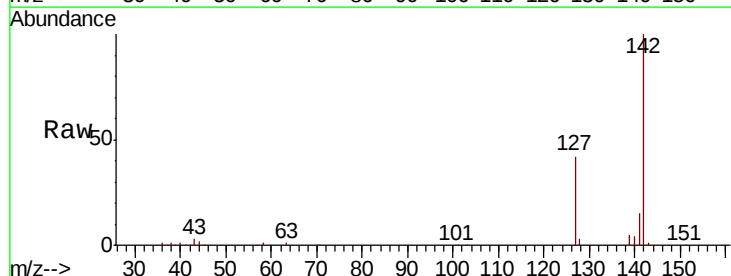
Tgt Ion:142 Resp: 68028

Ion Ratio Lower Upper

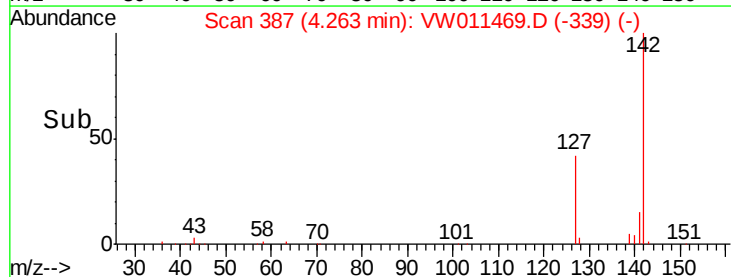
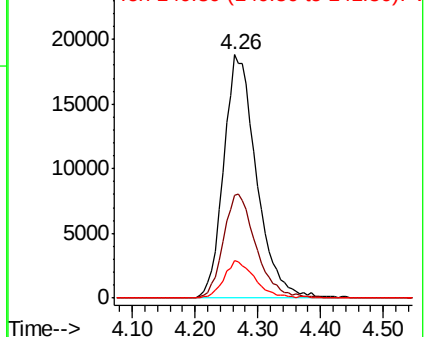
142 100

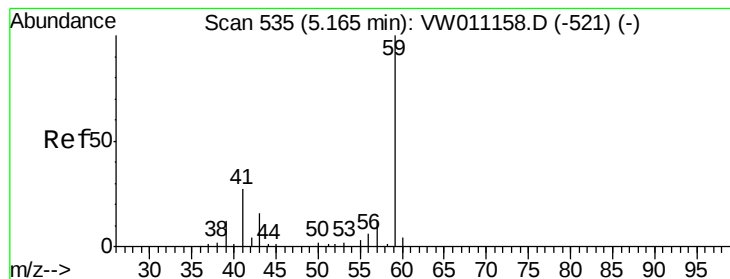
127 42.7 35.7 53.5

141 14.7 11.5 17.3



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



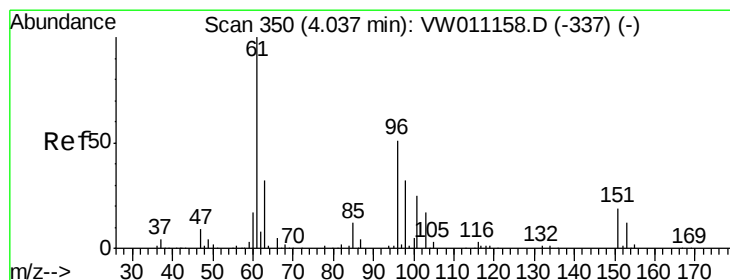
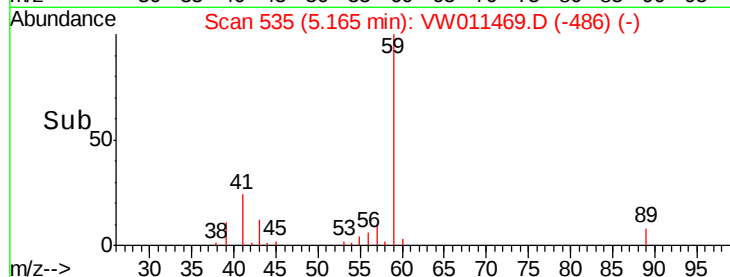
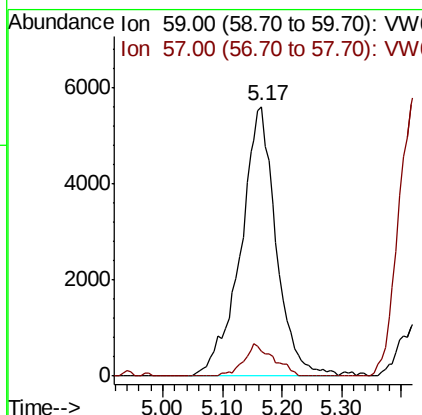
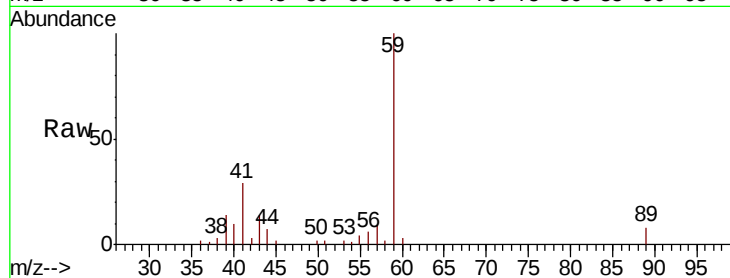


#11

Tert butyl alcohol
 Concen: 106.048 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :

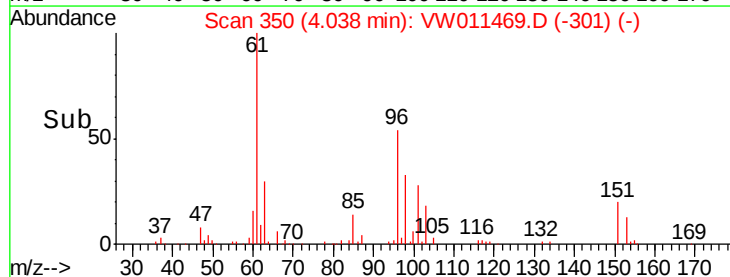
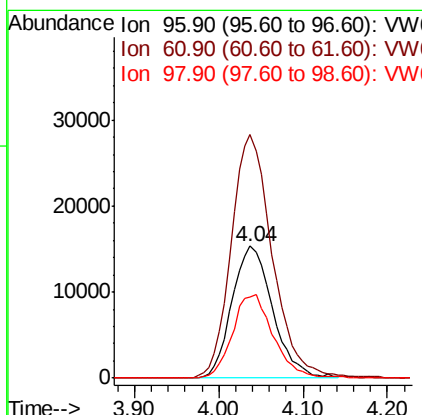
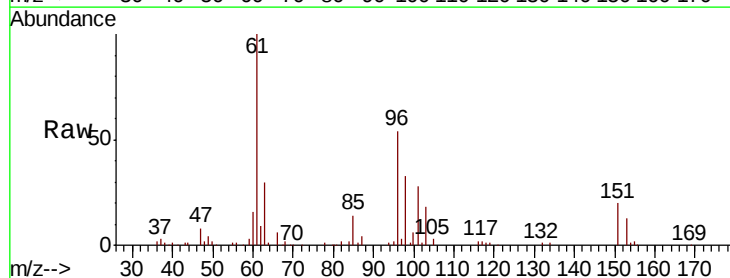
Tot Ion: 59 Resp: 23117
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.6

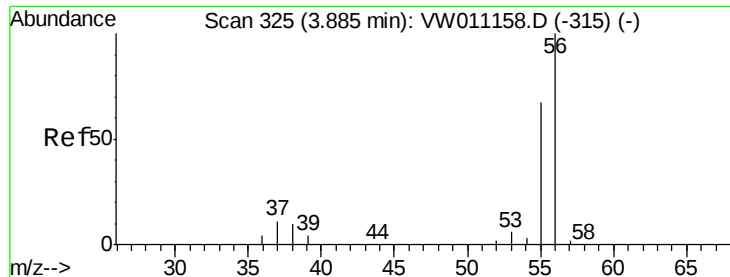


#12

1,1-Dichloroethene
 Concen: 19.379 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 96 Resp: 50445
 Ion Ratio Lower Upper
 96 100
 61 184.3 157.7 236.5
 98 61.7 50.9 76.3





#13

Acrolein

Concen: 73.845 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

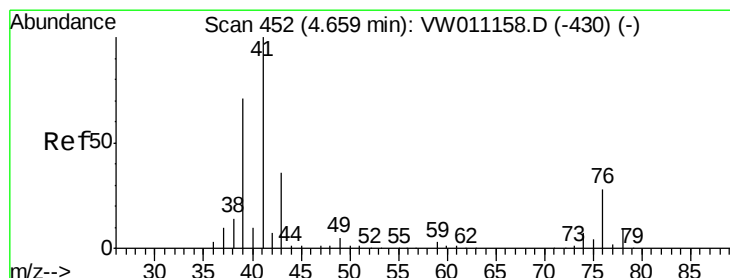
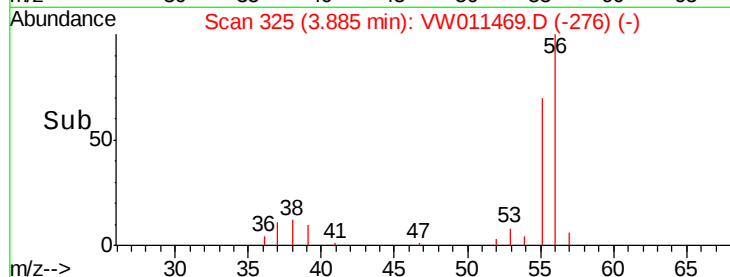
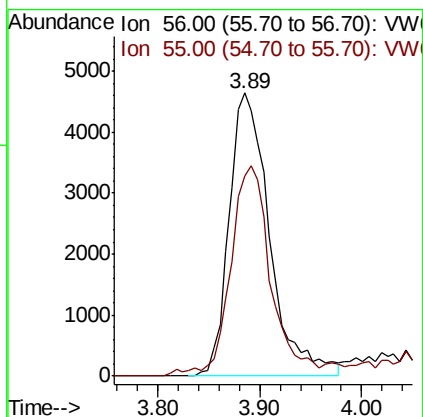
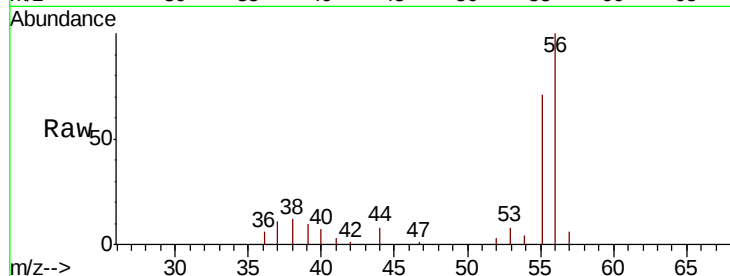
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 12818

Ion Ratio Lower Upper

56 100

55 73.6 56.4 84.6



#14

Allyl chloride

Concen: 21.127 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

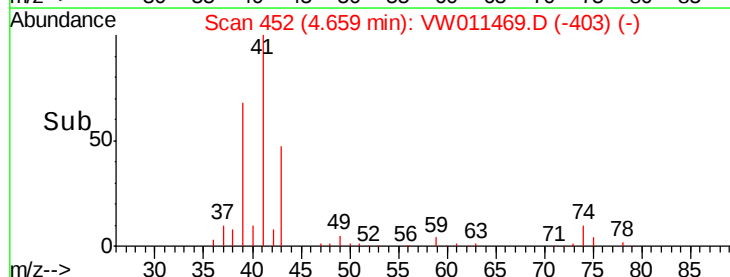
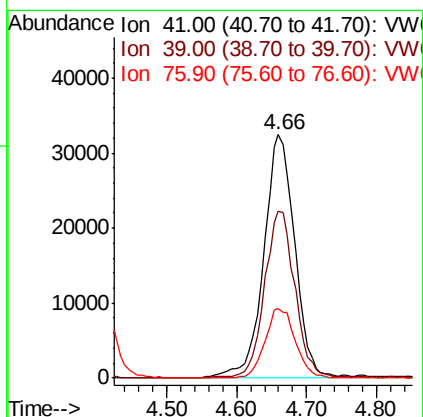
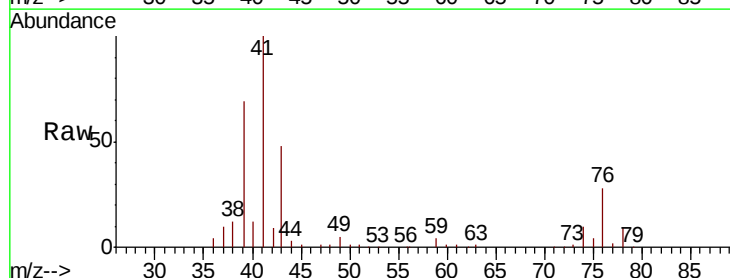
Tgt Ion: 41 Resp: 100283

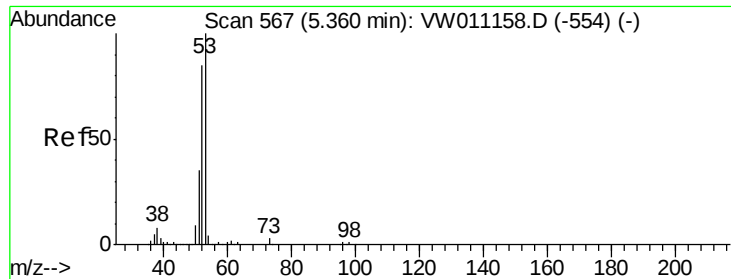
Ion Ratio Lower Upper

41 100

39 67.4 55.1 82.7

76 27.8 22.5 33.7





#15

Acrylonitrile

Concen: 99.437 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

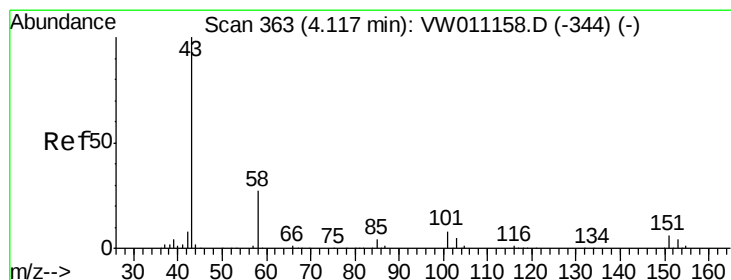
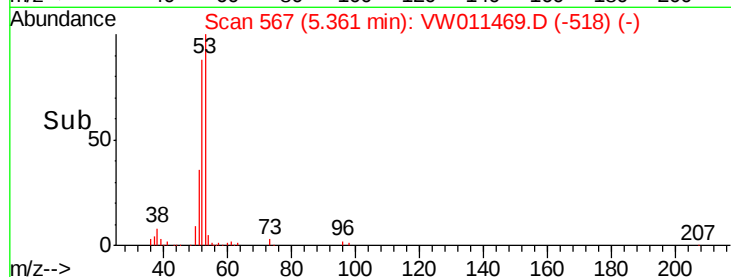
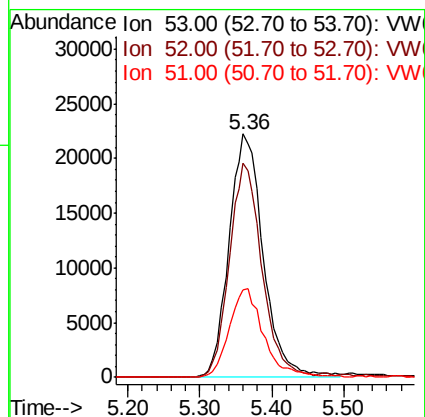
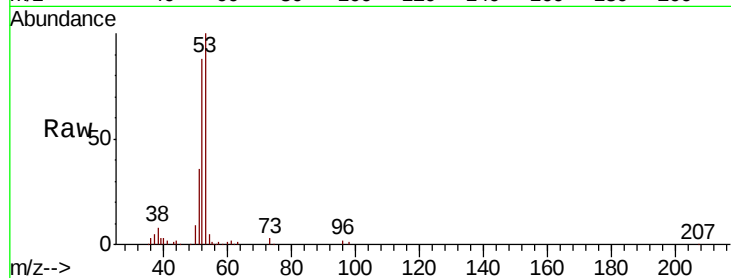
Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 73367

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.4
51	36.9	29.1	43.7



#16

Acetone

Concen: 97.380 ug/l

RT: 4.12 min Scan# 363

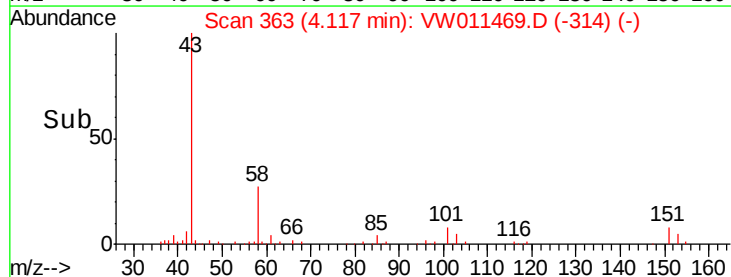
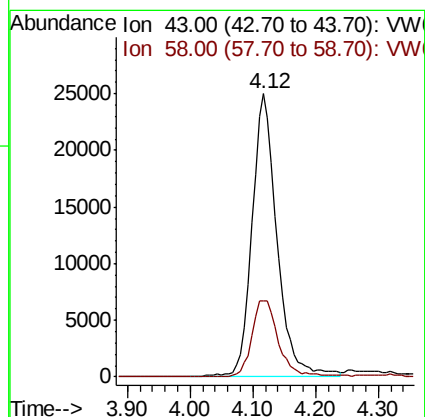
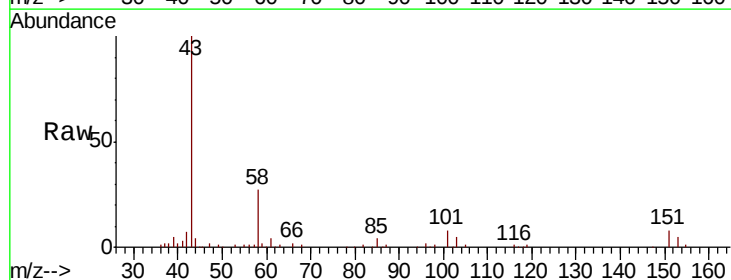
Delta R.T. 0.00 min

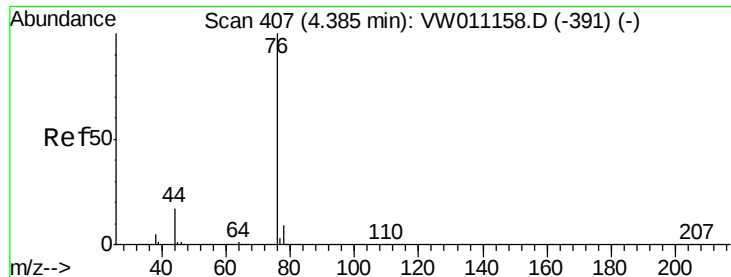
Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Tgt Ion: 43 Resp: 68987

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.8	32.6





#17

Carbon Disulfide

Concen: 17.780 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

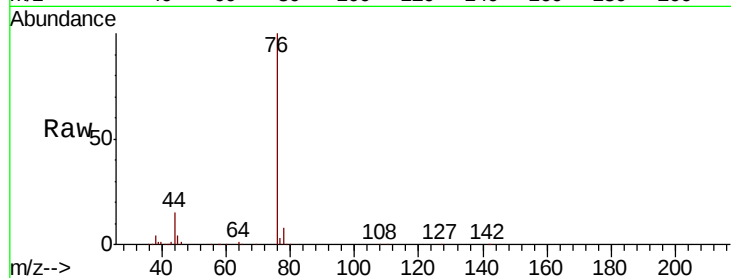
ClientSampled :

Tot Ion: 76 Resp: 140314

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

50000

40000

30000

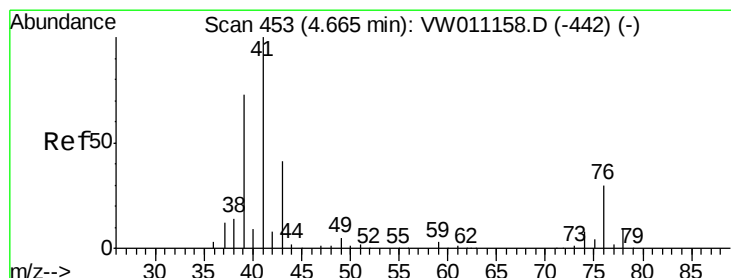
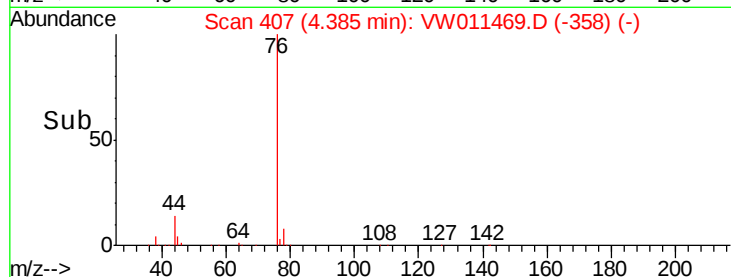
20000

10000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 23.571 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011469.D

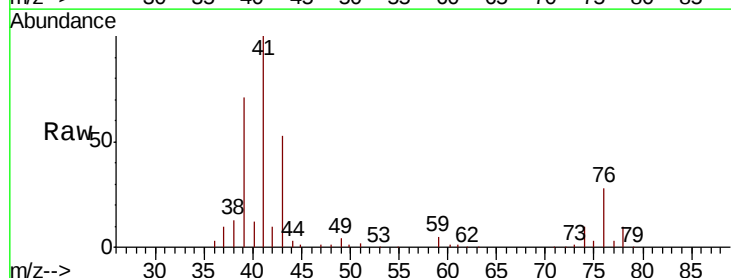
Acq: 24 Jul 2019 12:40

Tgt Ion: 43 Resp: 48990

Ion Ratio Lower Upper

43 100

74 19.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

15000

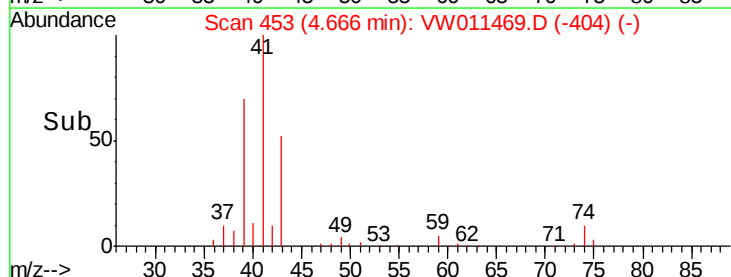
10000

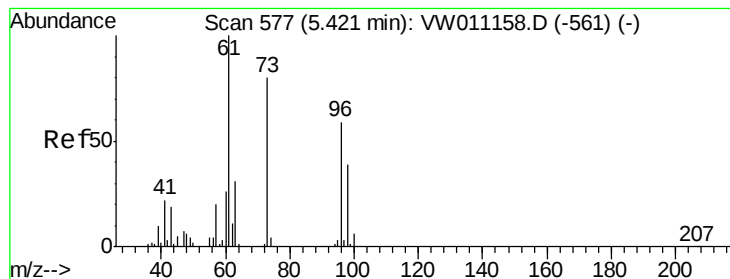
5000

0

Time-->

4.60 4.70 4.80



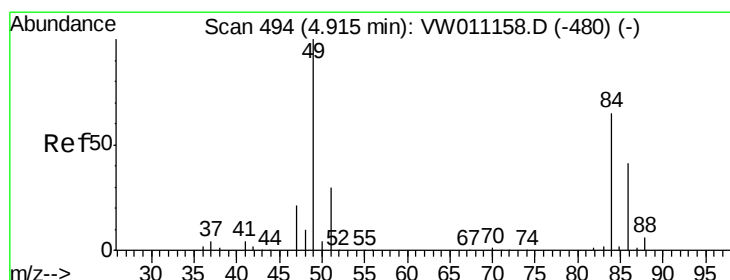
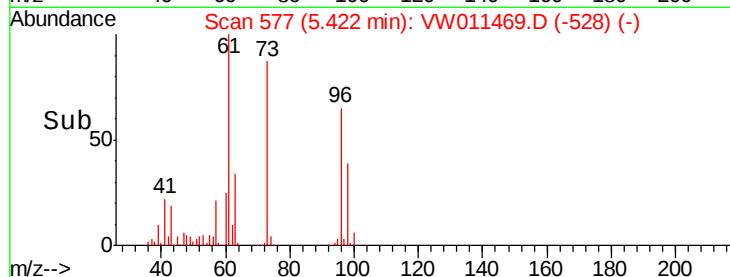
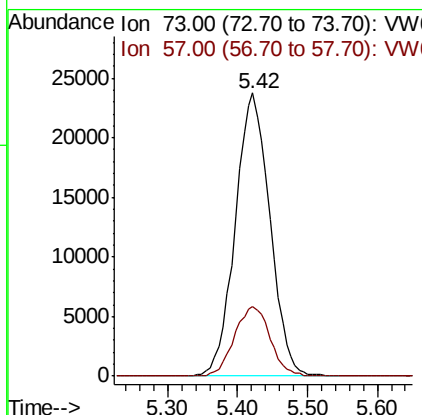
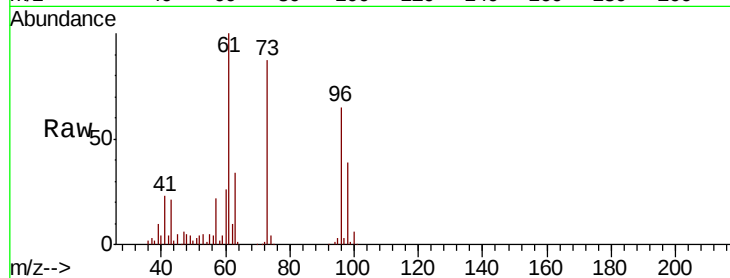


#19

Methyl tert-butyl Ether
 Concen: 20.660 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Instrument :
 MSVOA_W
 ClientSampled :

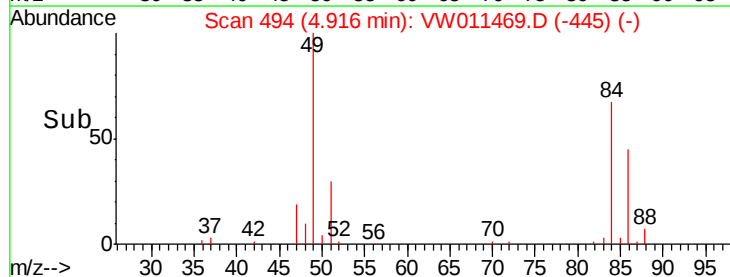
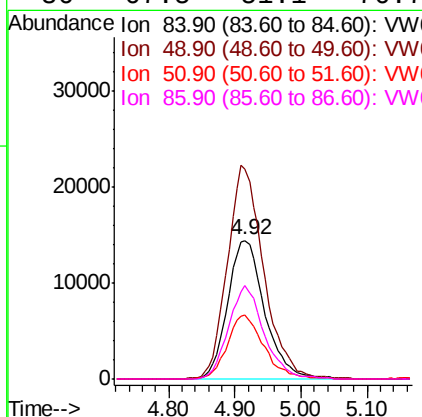
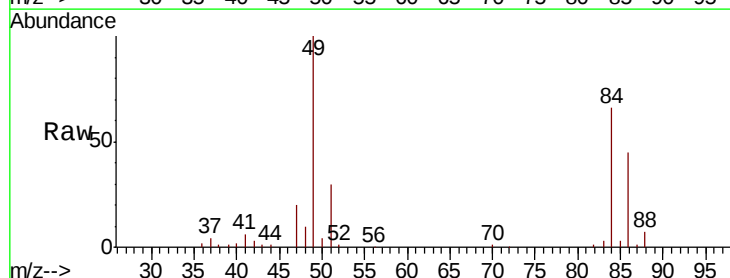
Tot Ion: 73 Resp: 81598
 Ion Ratio Lower Upper
 73 100
 57 24.8 19.7 29.5

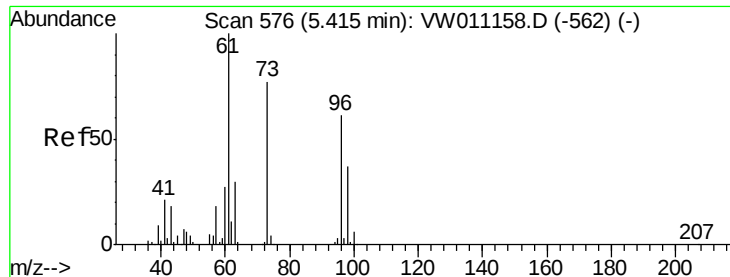


#20

Methylene Chloride
 Concen: 19.994 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 84 Resp: 55877
 Ion Ratio Lower Upper
 84 100
 49 150.9 123.8 185.6
 51 46.2 37.4 56.2
 86 67.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.492 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampled :

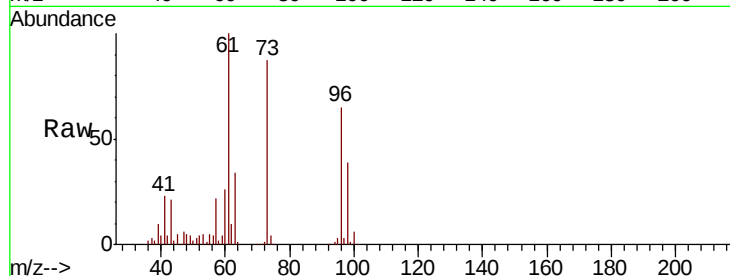
Tot Ion: 96 Resp: 52722

Ion Ratio Lower Upper

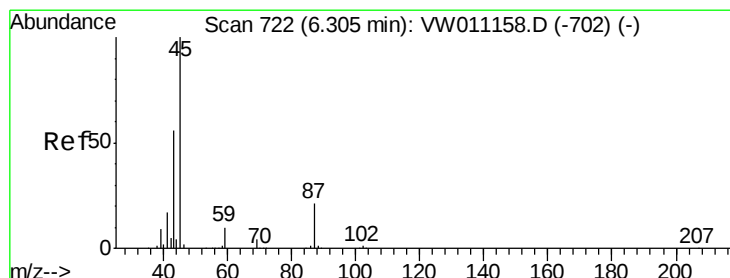
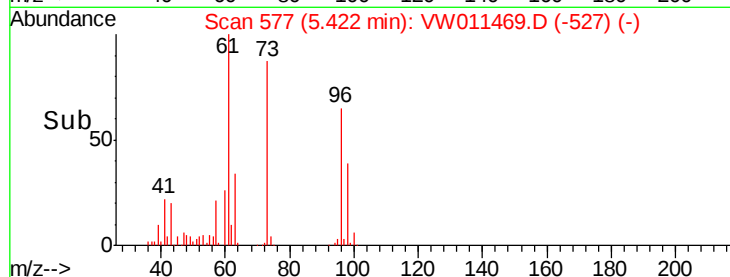
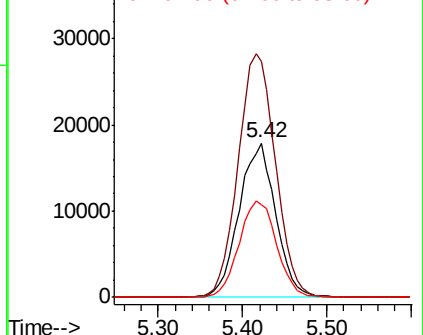
96 100

61 152.9 132.2 198.2

98 60.3 49.4 74.0



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



#22

Diisopropyl ether

Concen: 19.856 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Tgt Ion: 45 Resp: 202714

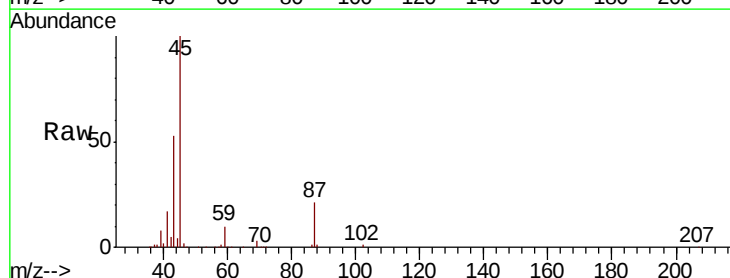
Ion Ratio Lower Upper

45 100

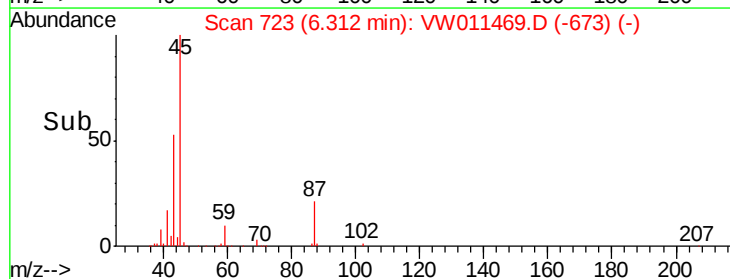
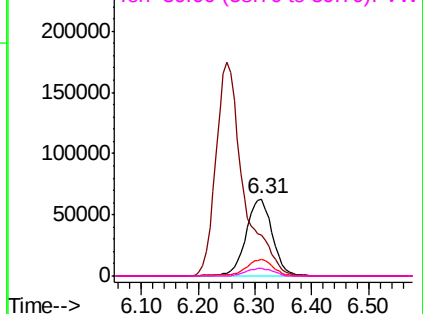
43 52.8 44.6 66.8

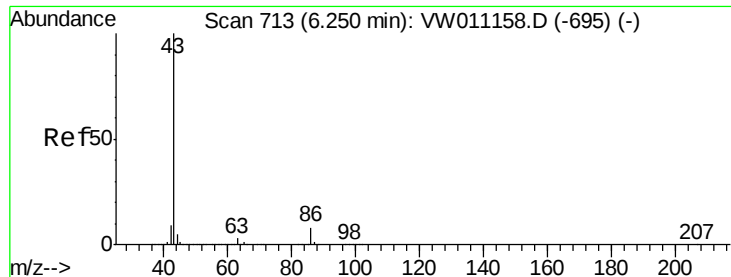
87 21.3 17.3 25.9

59 10.1 8.2 12.2



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





#23

Vinyl Acetate

Concen: 92.510 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

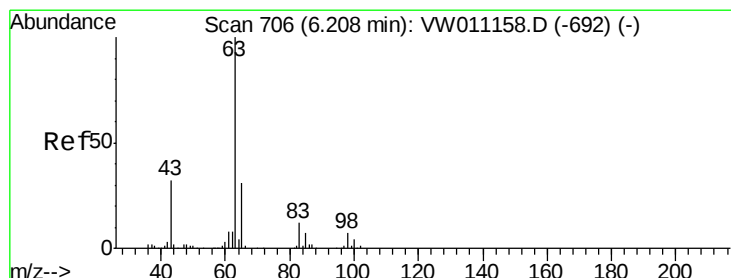
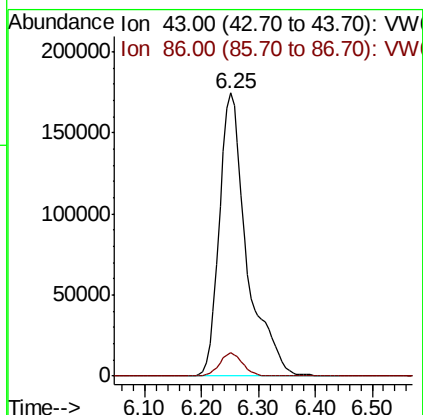
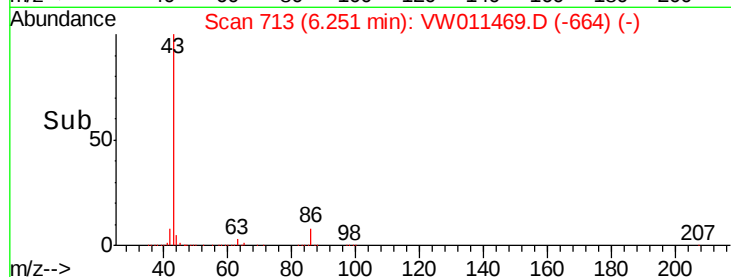
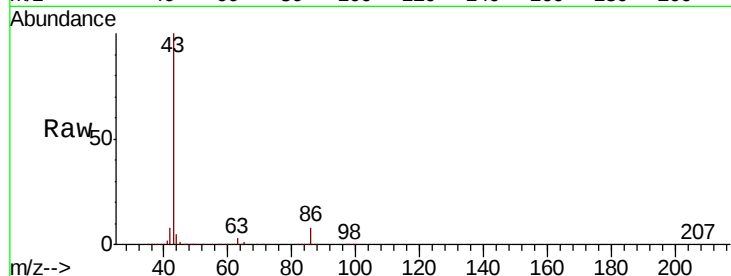
ClientSampleId :

Tot Ion: 43 Resp: 584505

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.860 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

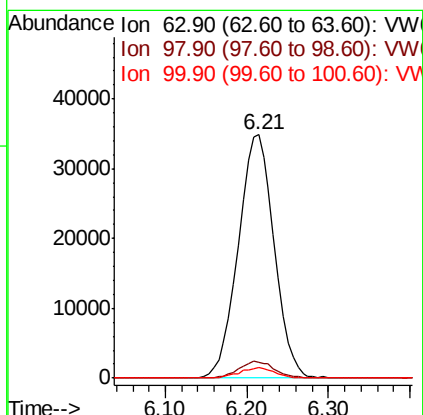
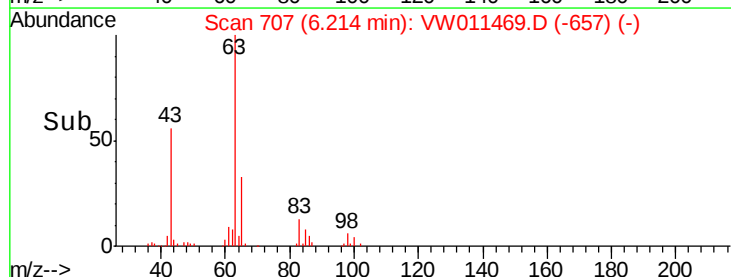
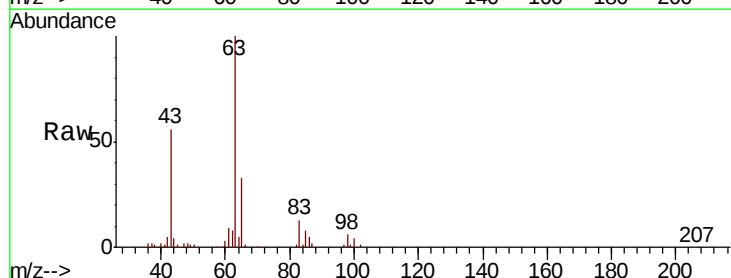
Tgt Ion: 63 Resp: 106469

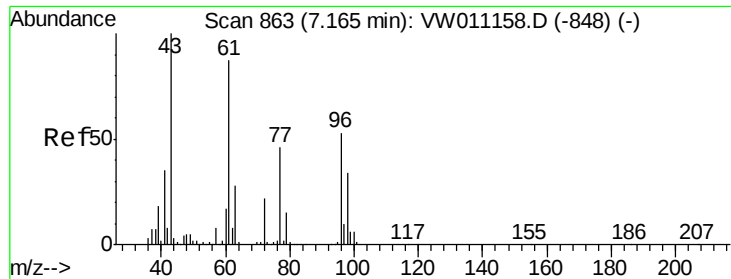
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.4 2.1 6.2

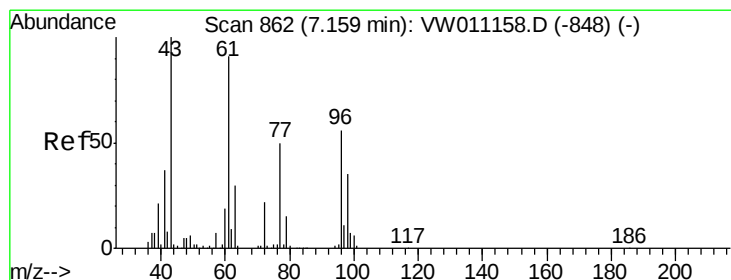
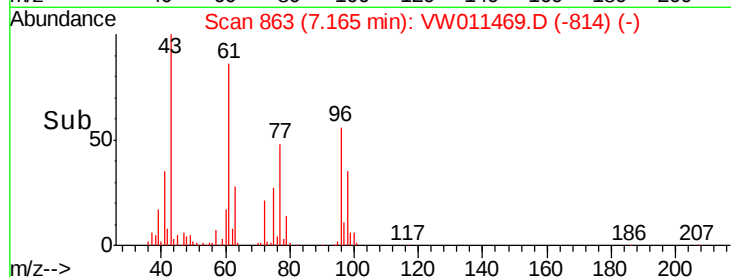
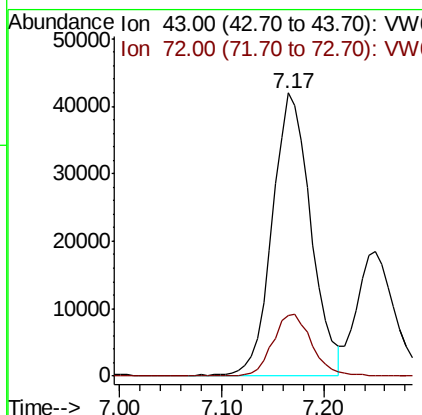
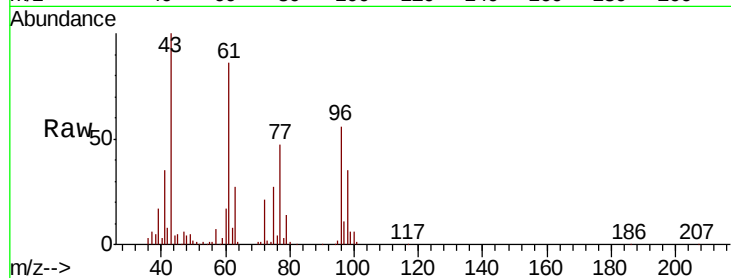




#25
2-Butanone
Concen: 98.449 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

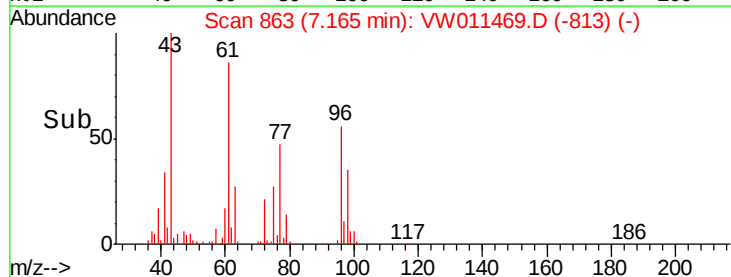
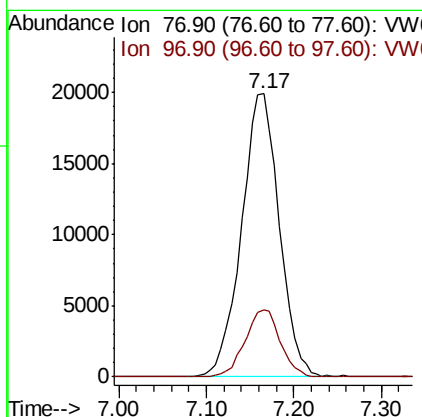
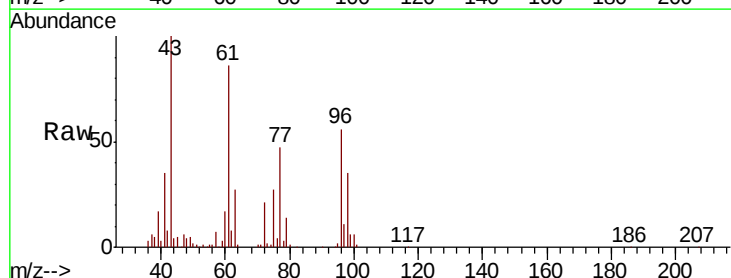
Instrument :
MSVOA_W
ClientSampled :

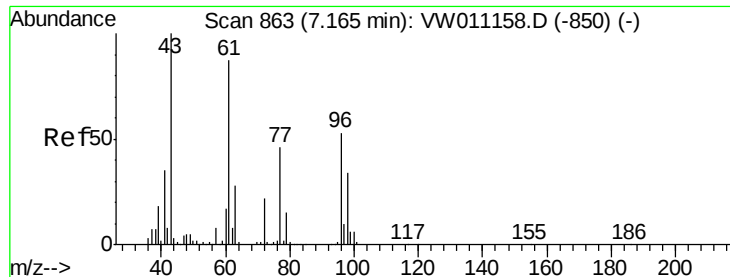
Tot Ion: 43 Resp: 109480
Ion Ratio Lower Upper
43 100
72 21.3 17.6 26.4



#26
2,2-Dichloropropane
Concen: 21.420 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 77 Resp: 59693
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.5



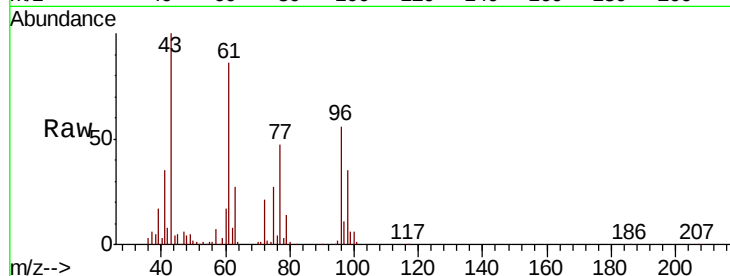


#27

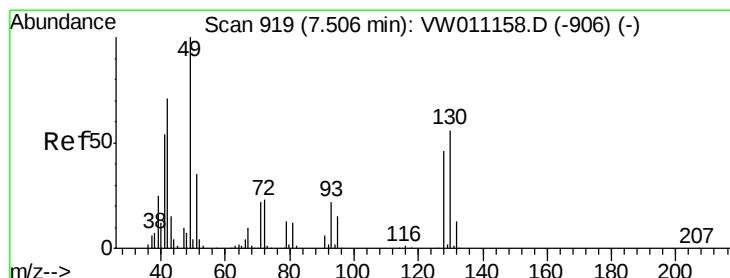
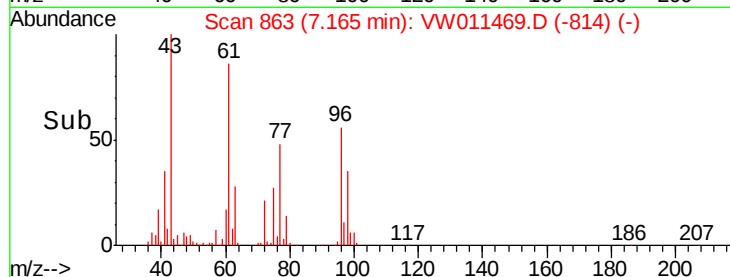
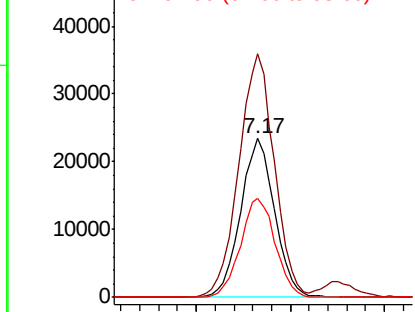
cis-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 59221
Ion Ratio Lower Upper
96 100
61 160.1 0.0 325.6
98 63.9 0.0 128.2



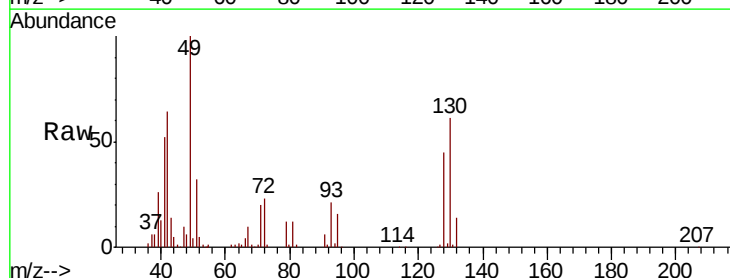
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



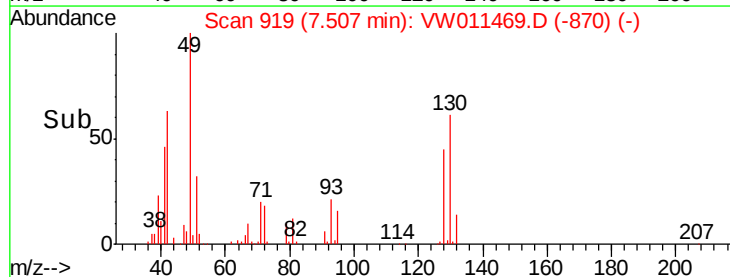
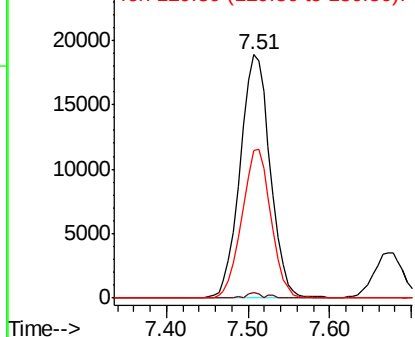
#28

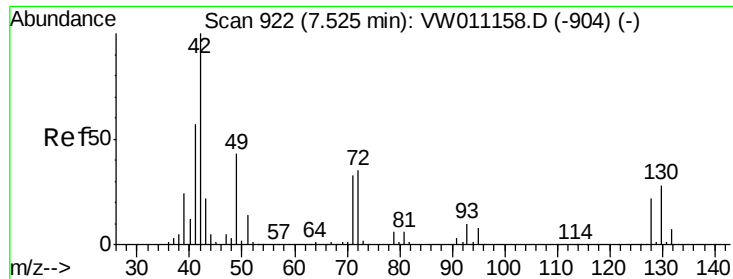
Bromochloromethane
Concen: 19.812 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 49 Resp: 48296
Ion Ratio Lower Upper
49 100
129 0.9 0.0 1.4
130 59.2 45.8 68.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

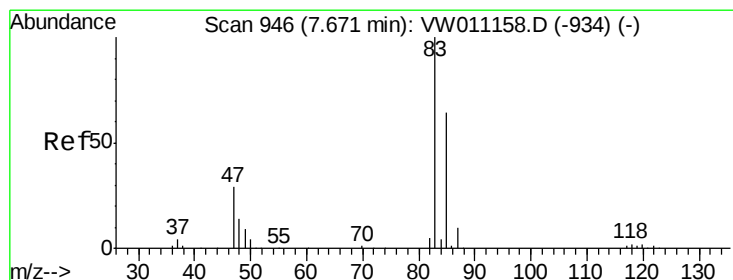
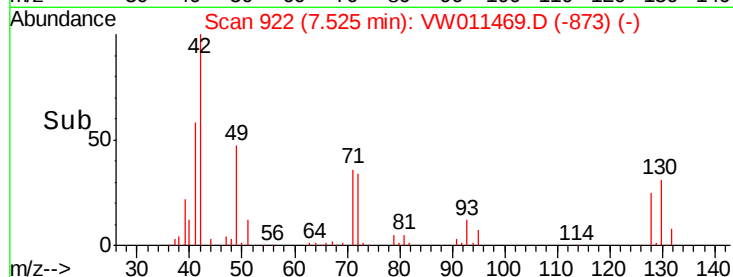
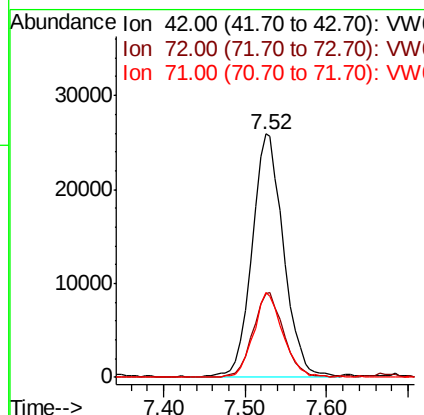
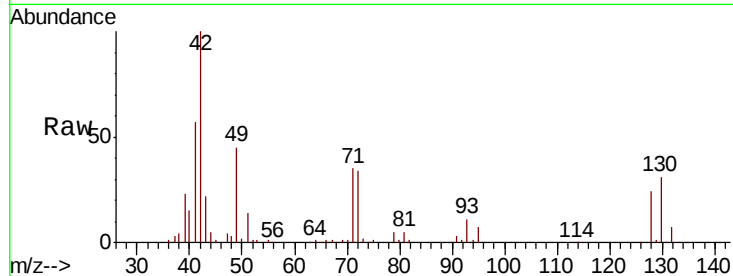




#29
Tetrahydrofuran
Concen: 94.859 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

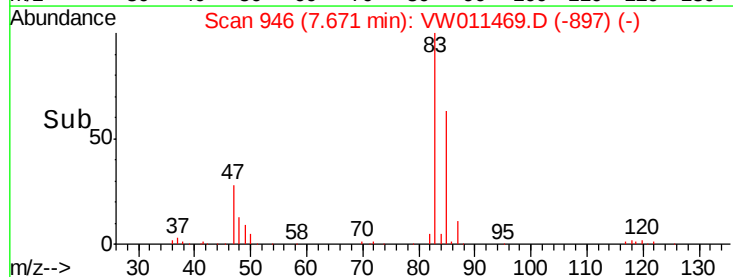
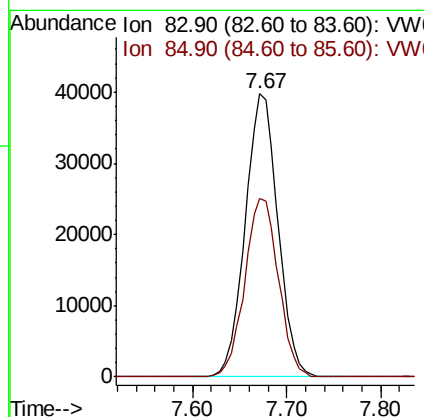
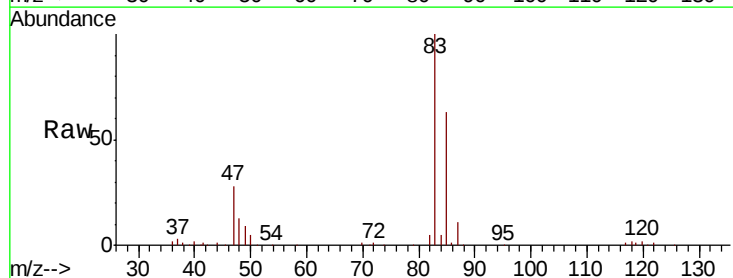
Instrument :
MSVOA_W
ClientSampled :

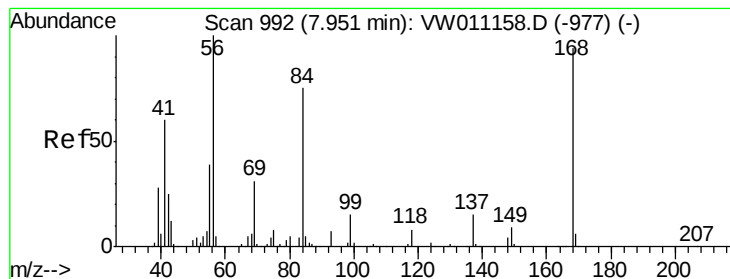
Tot Ion: 42 Resp: 69169
Ion Ratio Lower Upper
42 100
72 34.3 27.4 41.2
71 32.7 25.9 38.9



#30
Chloroform
Concen: 19.478 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 83 Resp: 96707
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.2





#31

Cyclohexane

Concen: 19.176 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

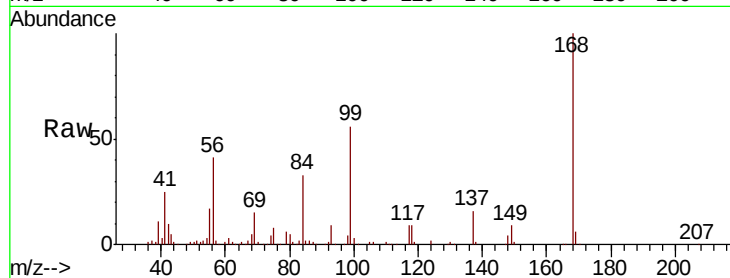
Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 109367

Ion	Ratio	Lower	Upper
56	100		
69	35.5	24.6	36.8
84	78.7	60.1	90.1

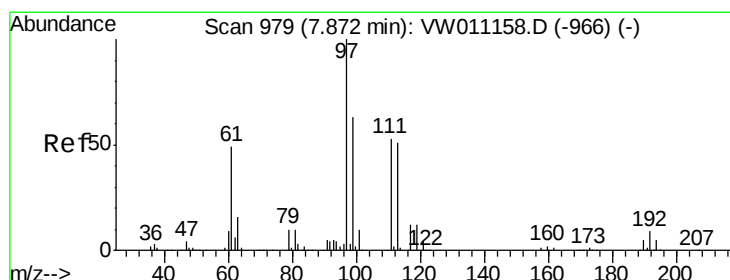
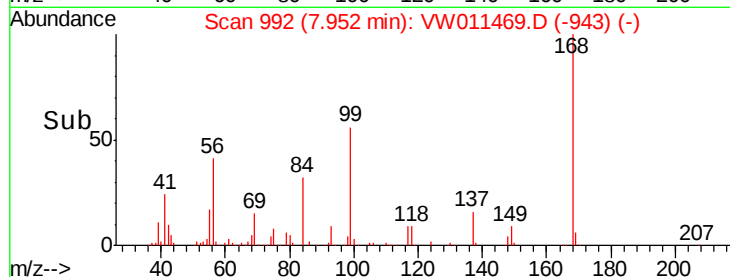
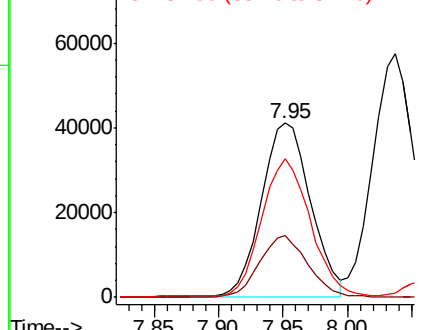


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 19.735 ug/l

RT: 7.87 min Scan# 979

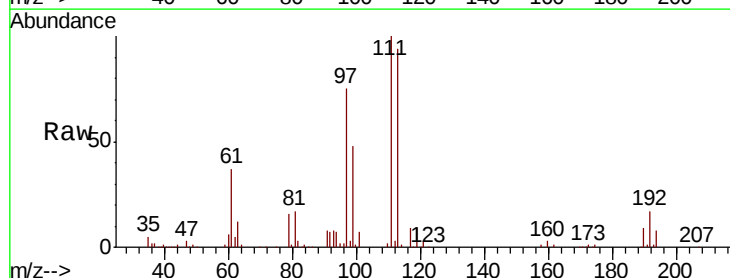
Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Tgt Ion: 97 Resp: 74533

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	49.6	40.4	60.6

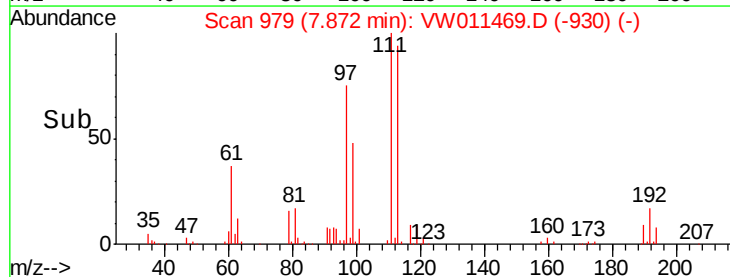
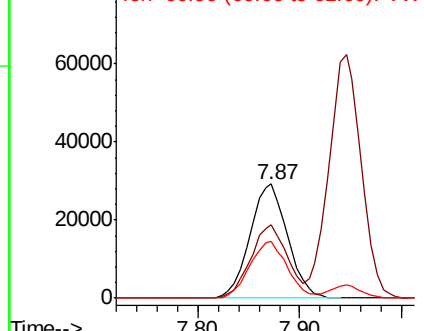


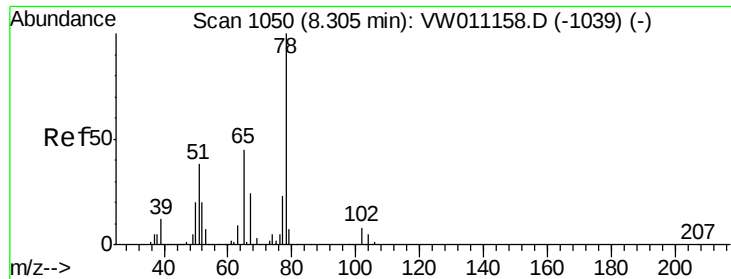
Abundance

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

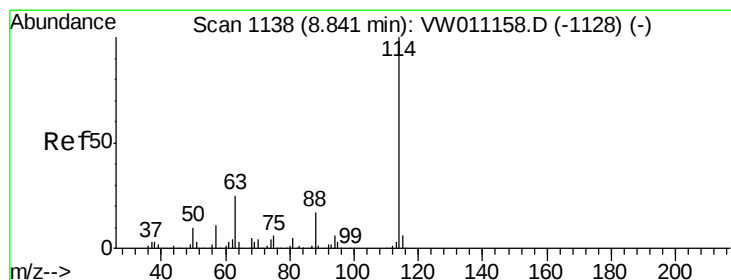
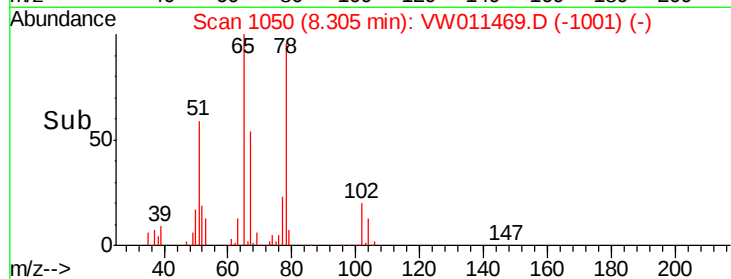
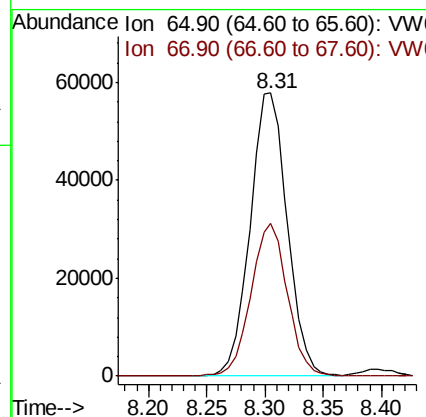
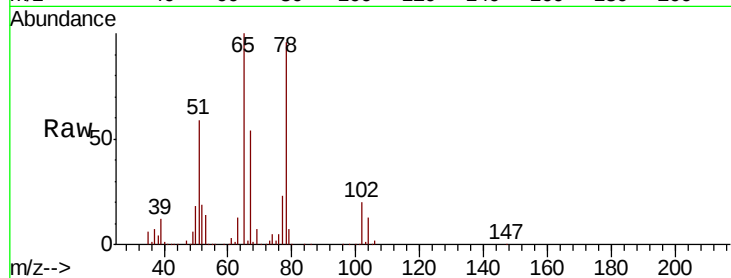




#33
 1,2-Dichloroethane-d4
 Concen: 43.619 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

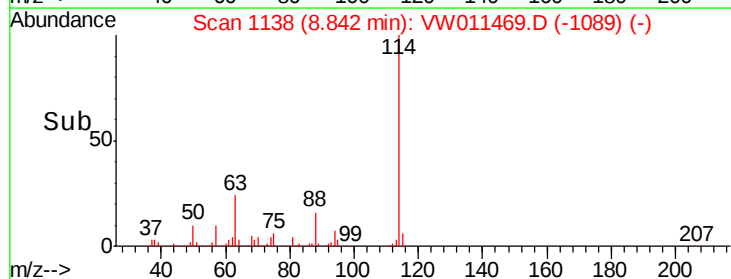
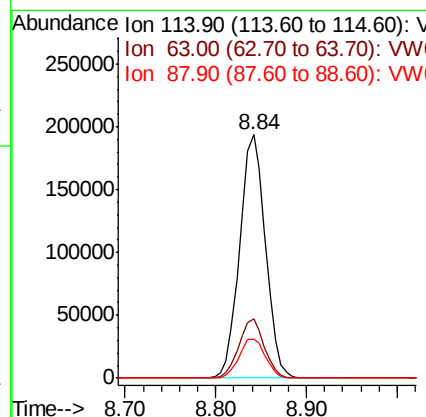
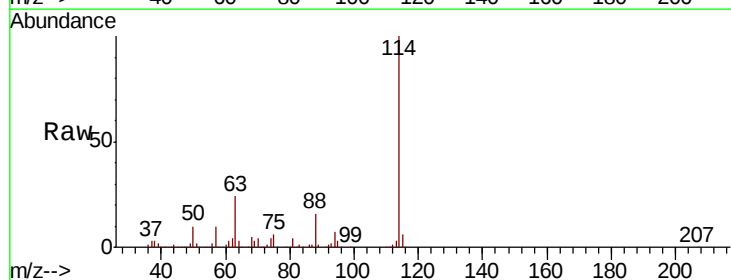
Instrument :
 MSVOA_W
 ClientSampleId :

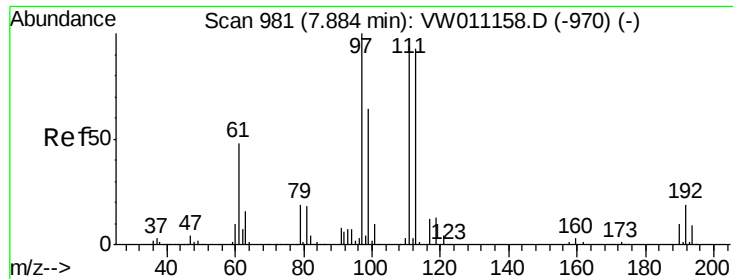
Tot Ion: 65 Resp: 128426
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 114 Resp: 381127
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.1 0.0 34.2

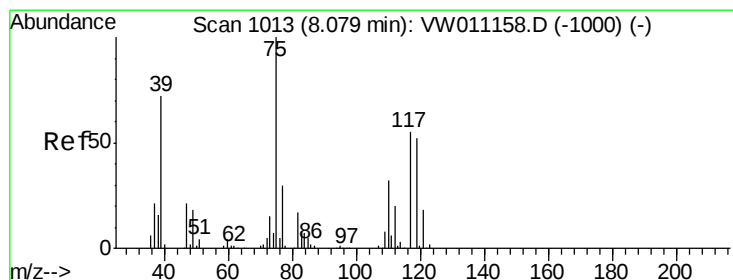
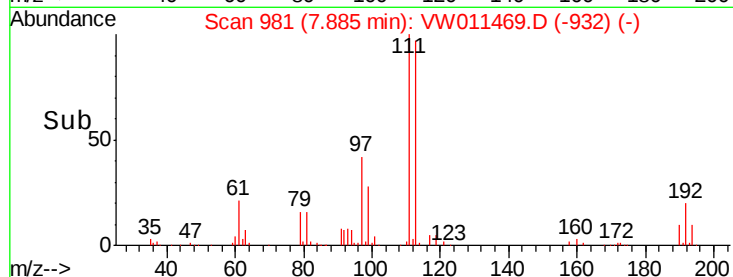
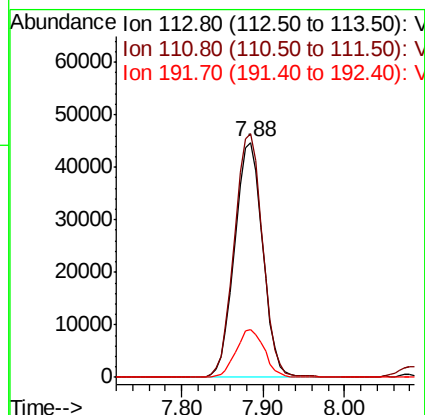
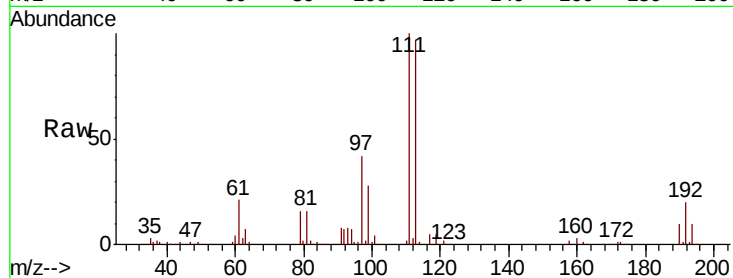




#35
 Dibromofluoromethane
 Concen: 46.802 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

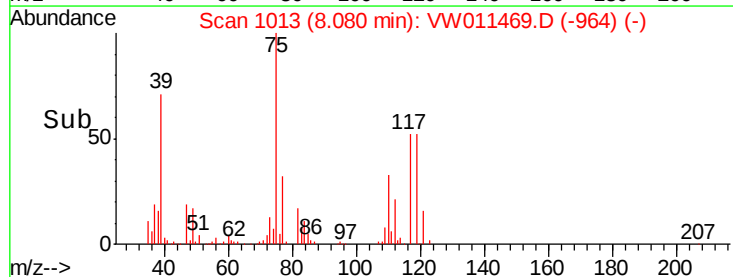
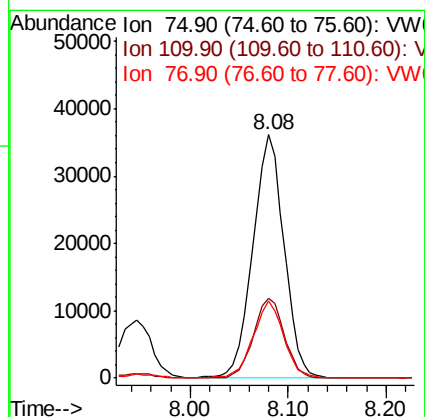
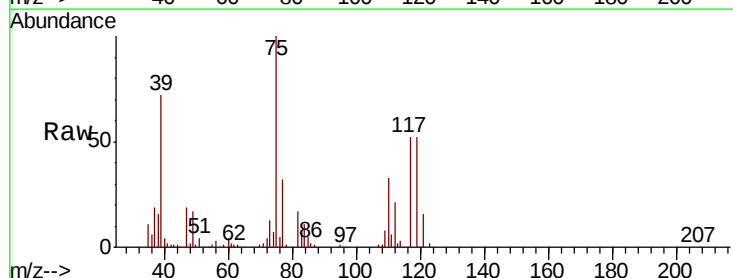
Instrument :
 MSVOA_W
 ClientSampled :

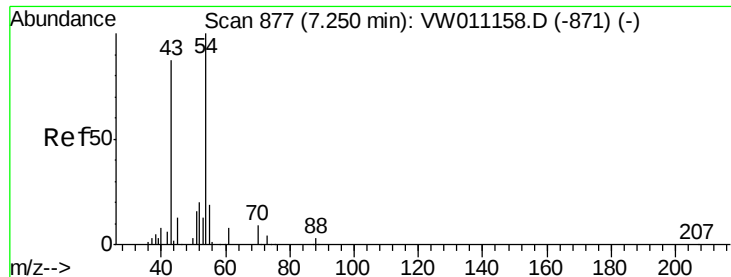
Tot Ion:113 Resp: 106320
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.4 123.6
 192 20.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.694 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 75 Resp: 79932
 Ion Ratio Lower Upper
 75 100
 110 32.4 15.9 47.6
 77 31.1 24.6 36.8

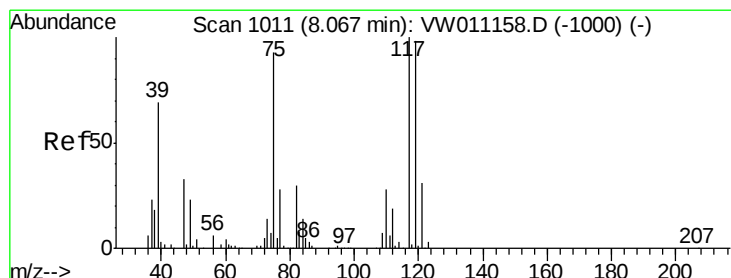
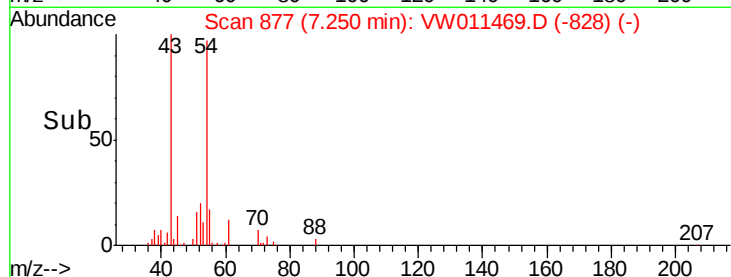
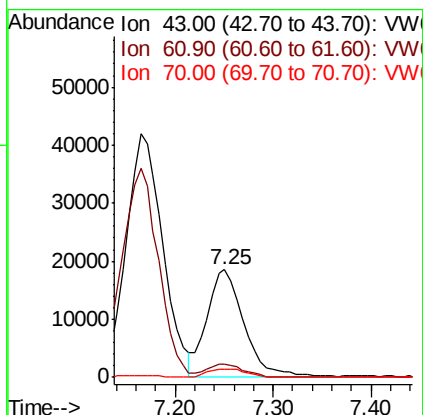
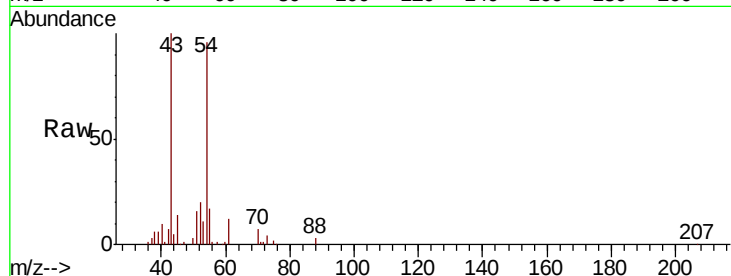




#37
Ethyl Acetate
Concen: 19.750 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

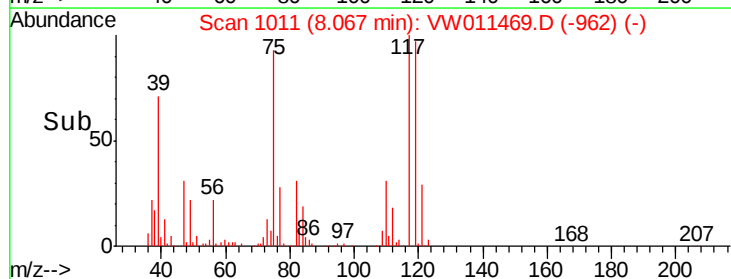
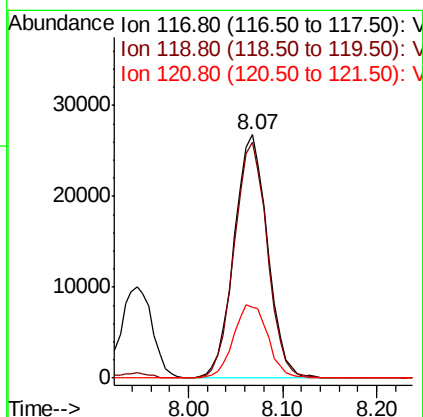
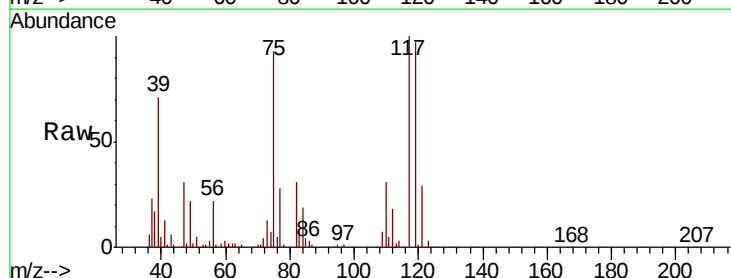
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 48161
Ion Ratio Lower Upper
43 100
61 12.3 9.5 14.3
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 117 Resp: 66495
Ion Ratio Lower Upper
117 100
119 96.7 78.1 117.1
121 29.1 25.1 37.7

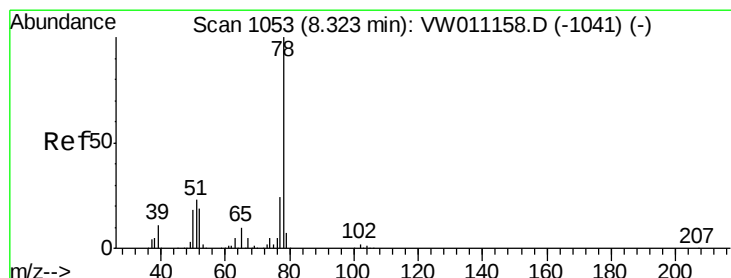
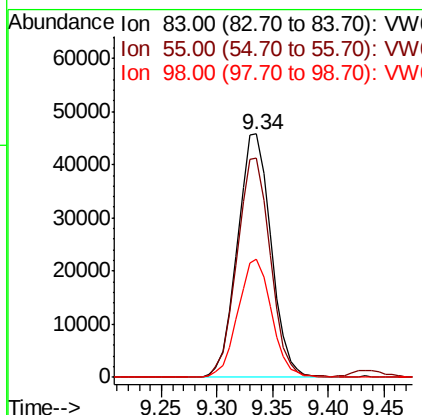
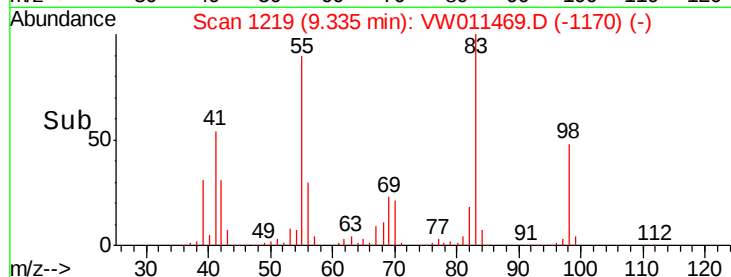
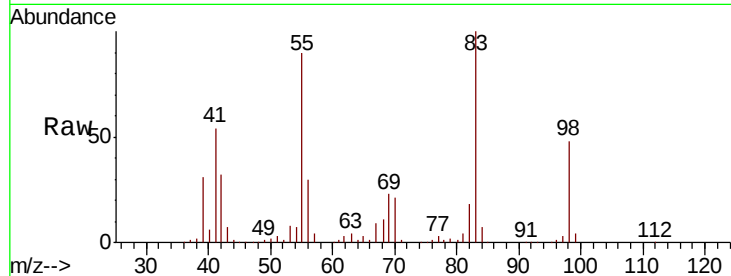




#39
Methvlcvclohexane
Concen: 19.599 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

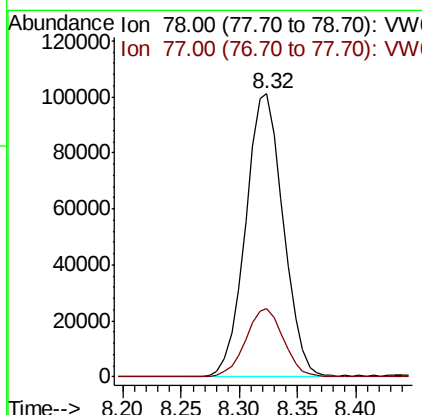
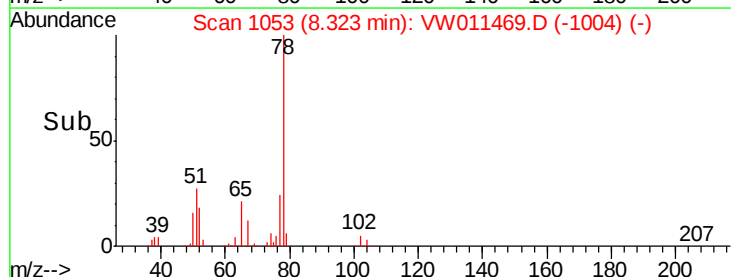
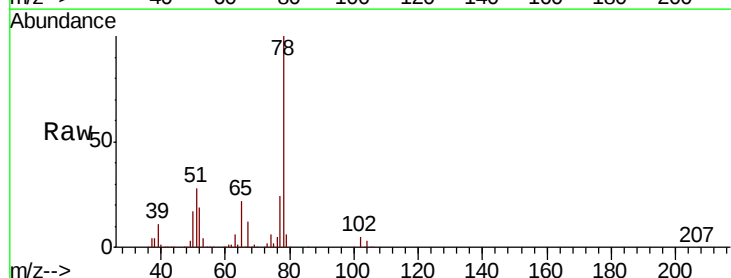
Instrument :
MSVOA_W
ClientSampleId :

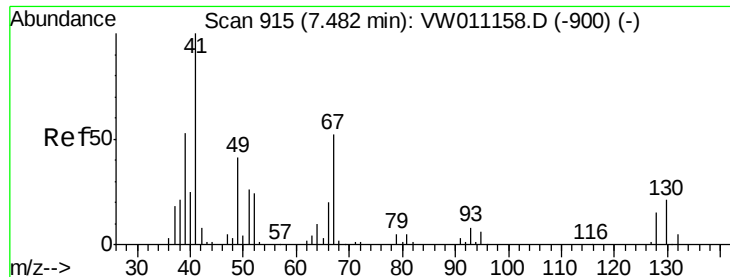
Tot Ion: 83 Resp: 96414
Ion Ratio Lower Upper
83 100
55 90.1 71.2 106.8
98 48.4 37.5 56.3



#40
Benzene
Concen: 20.249 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 78 Resp: 227128
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

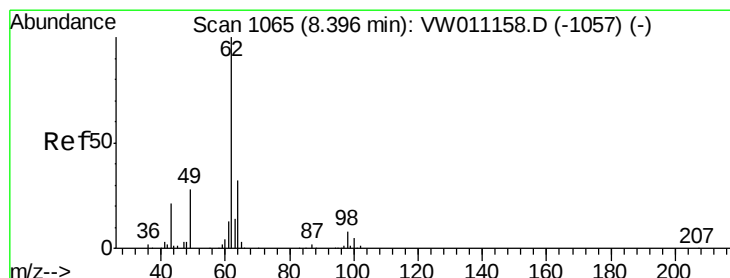
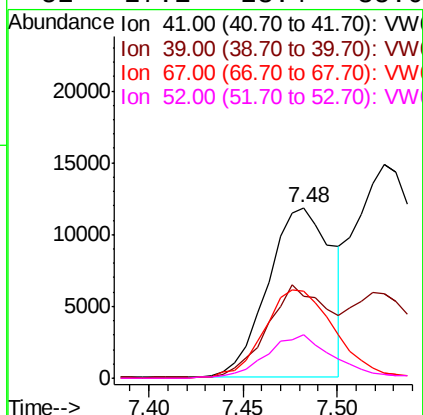
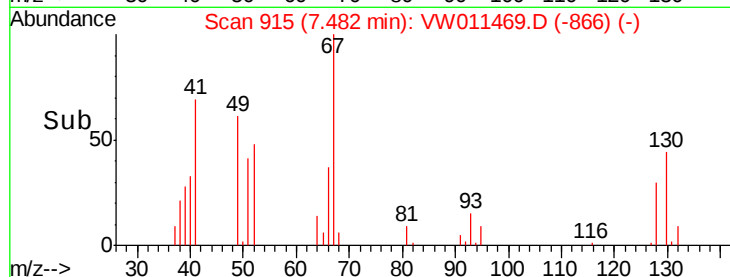
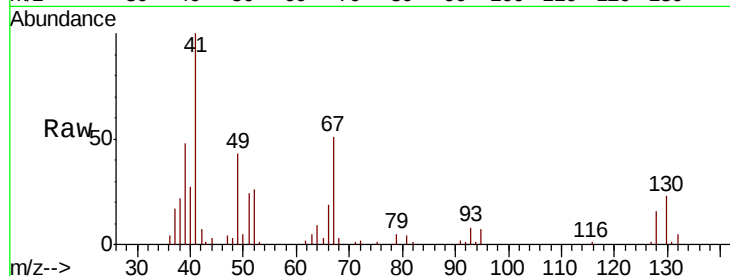




#41
Methacrylonitrile
Concen: 20.198 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

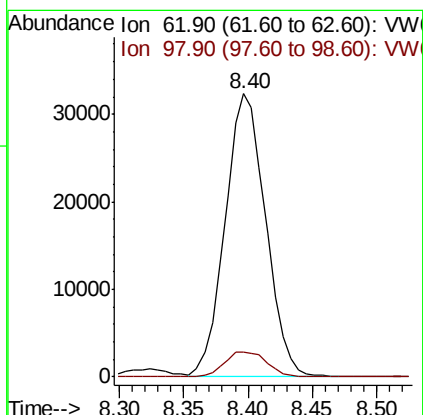
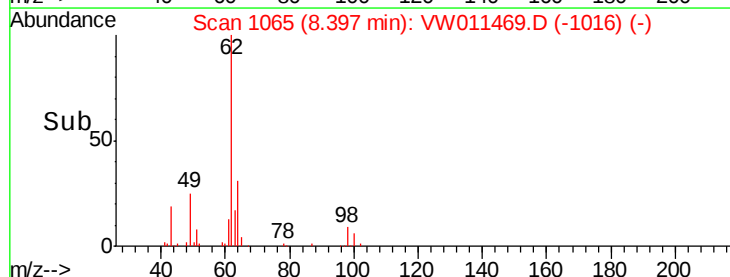
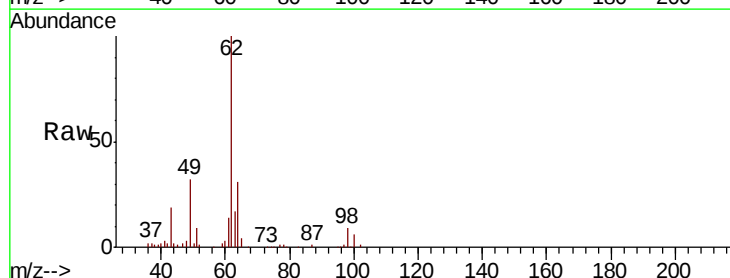
Instrument :
MSVOA_W
ClientSampled :

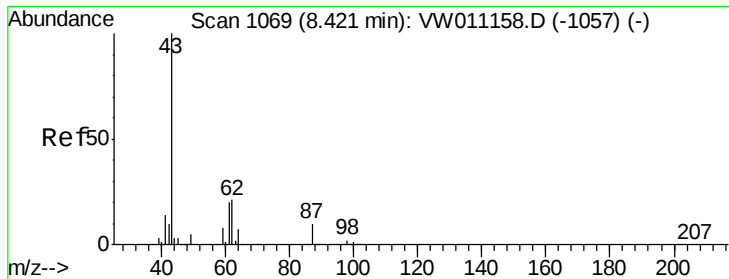
Tot Ion: 41 Resp: 28170
Ion Ratio Lower Upper
41 100
39 51.7 48.0 72.0
67 57.8 49.7 74.5
52 27.1 23.4 35.0



#42
1,2-Dichloroethane
Concen: 19.447 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 62 Resp: 70761
Ion Ratio Lower Upper
62 100
98 9.2 0.0 16.8

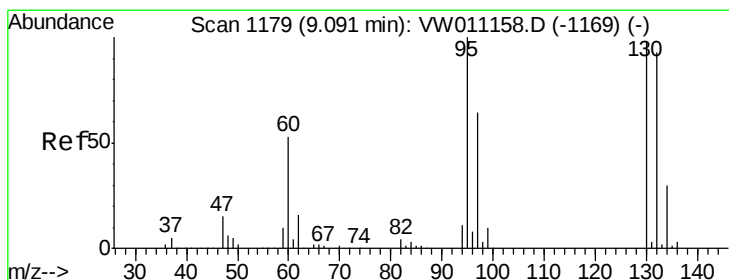
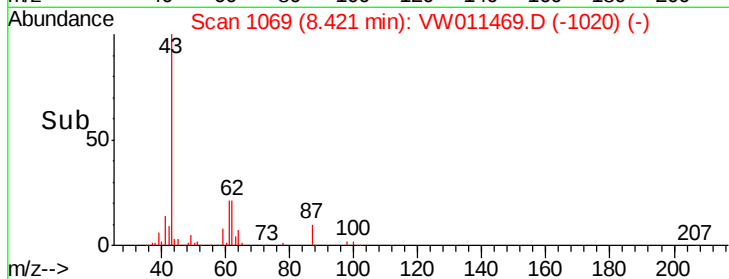
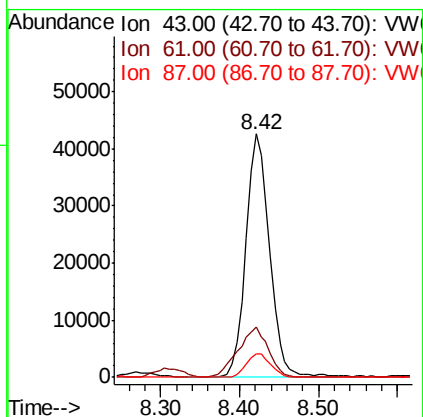
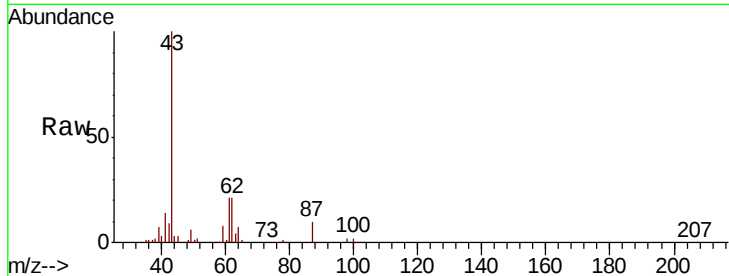




#43
Isopropyl Acetate
Concen: 19.368 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

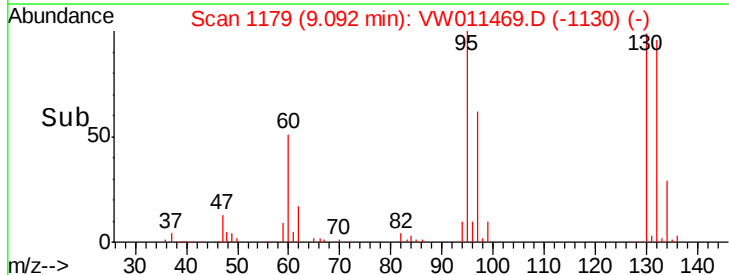
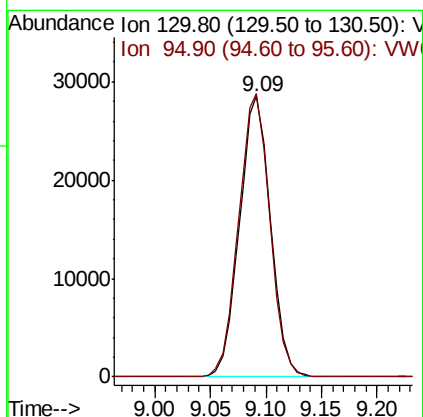
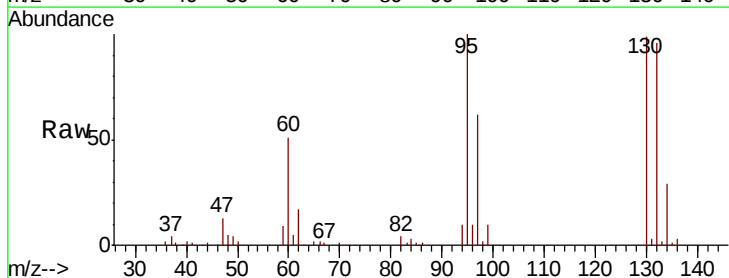
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 89170
Ion Ratio Lower Upper
43 100
61 26.4 20.7 31.1
87 10.1 8.1 12.1



#44
Trichloroethene
Concen: 20.416 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:130 Resp: 55105
Ion Ratio Lower Upper
130 100
95 101.0 0.0 203.6

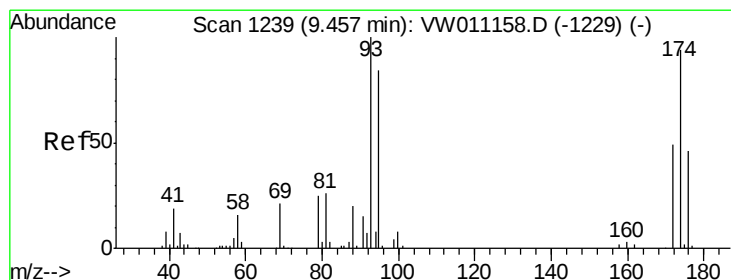
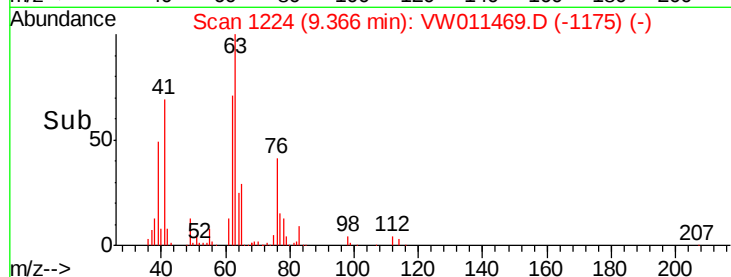
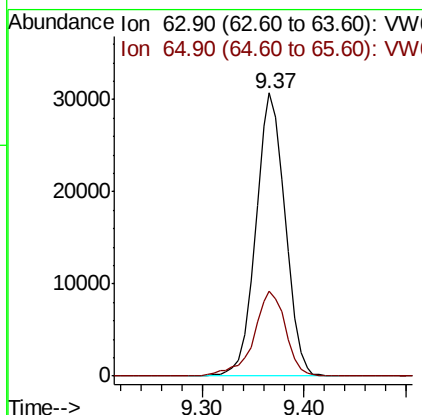
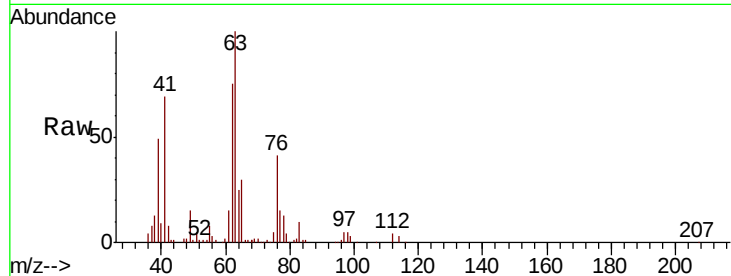




#45
 1,2-Dichloropropane
 Concen: 20.242 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

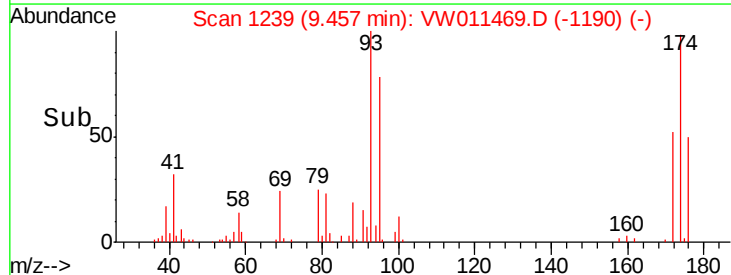
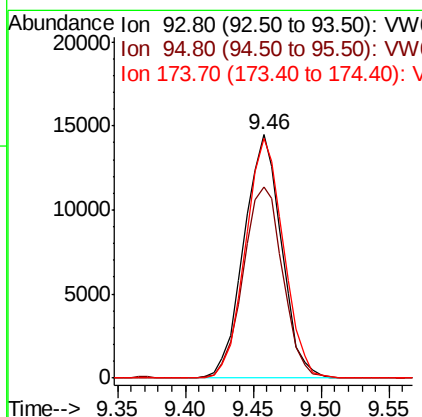
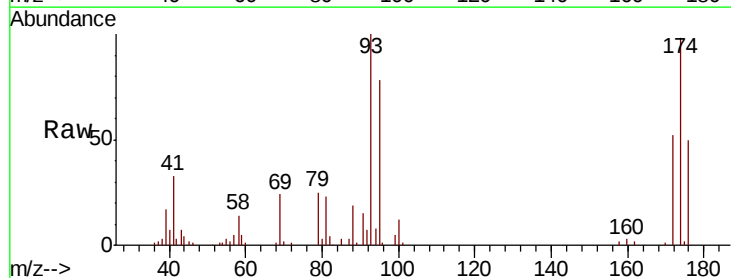
Instrument :
 MSVOA_W
 ClientSampleId :

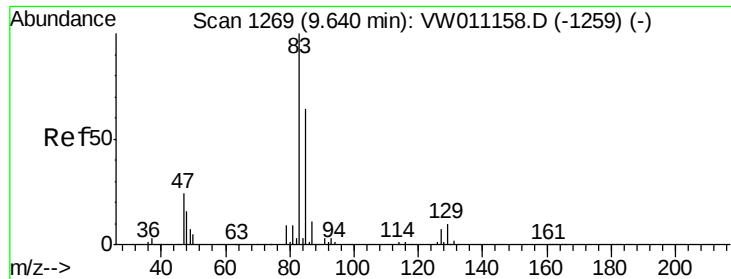
Tot Ion: 63 Resp: 61484
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6



#46
 Dibromomethane
 Concen: 19.598 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 93 Resp: 27962
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 99.6 76.3 114.5

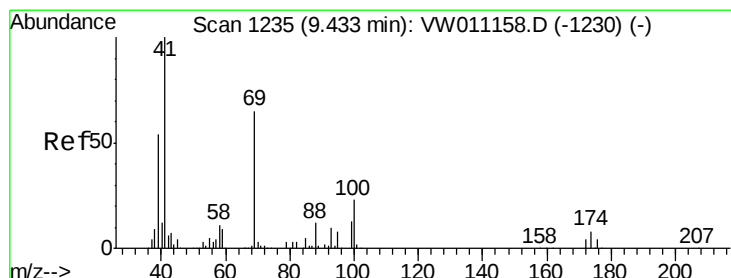
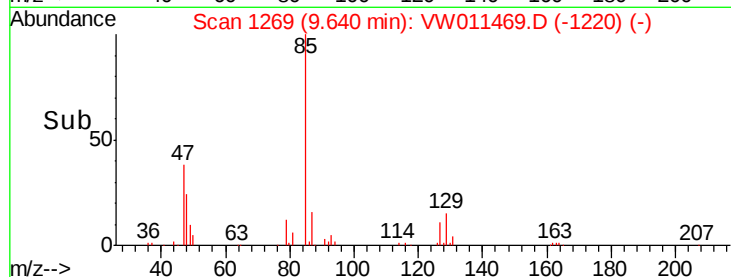
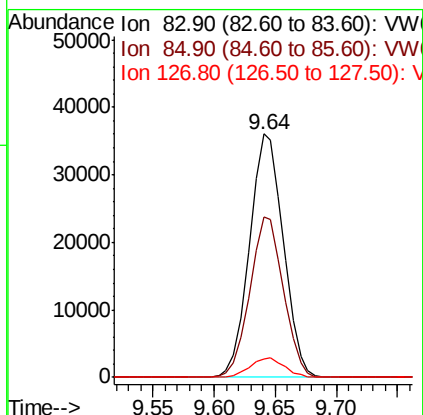
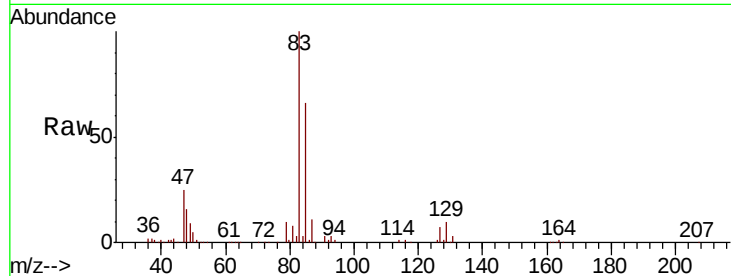




#47
 Bromodichloromethane
 Concen: 19.023 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

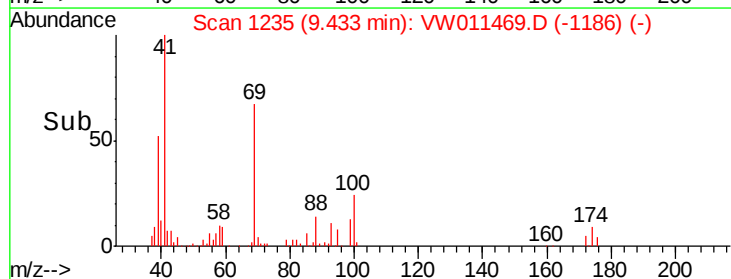
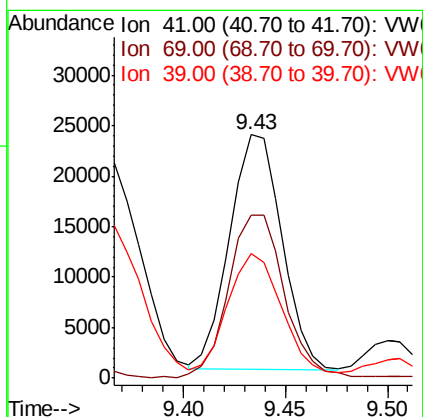
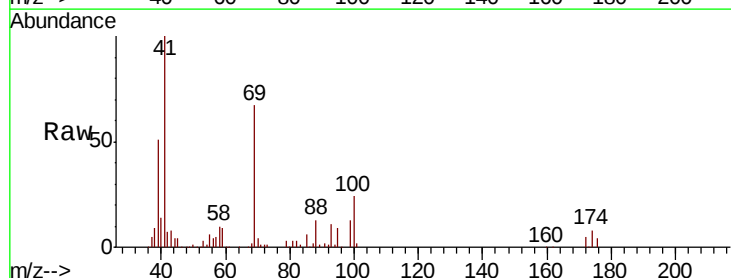
Instrument :
 MSVOA_W
 ClientSampleId :

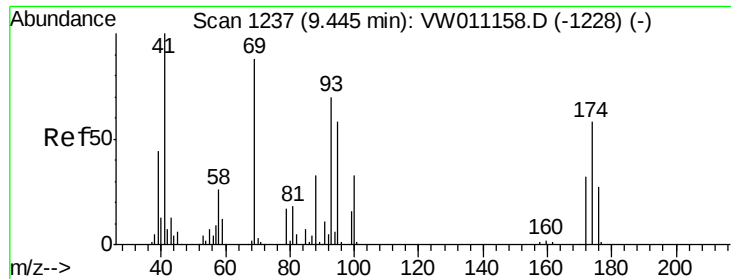
Tot Ion: 83 Resp: 69448
 Ion Ratio Lower Upper
 83 100
 85 65.9 51.0 76.4
 127 7.5 6.0 9.0



#48
 Methyl methacrylate
 Concen: 18.812 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 41 Resp: 41667
 Ion Ratio Lower Upper
 41 100
 69 74.5 56.0 84.0
 39 51.1 43.5 65.3

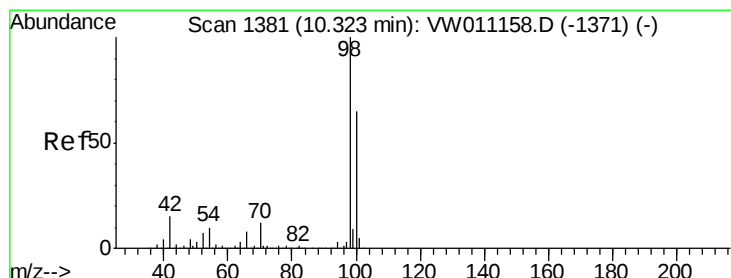
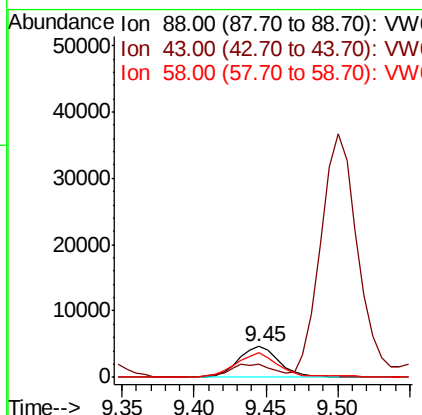
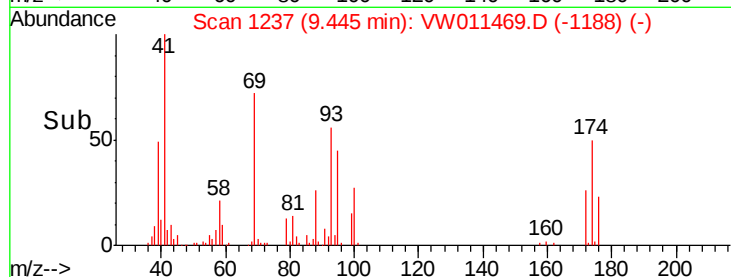
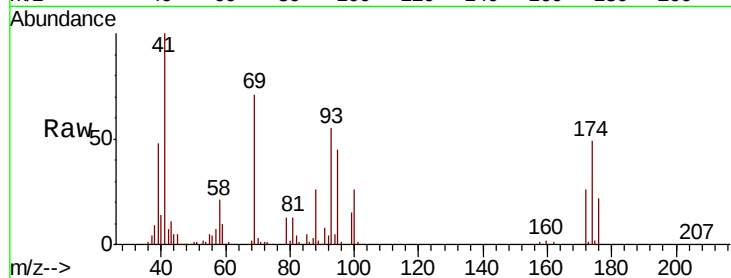




#49
1,4-Dioxane
Concen: 387.259 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

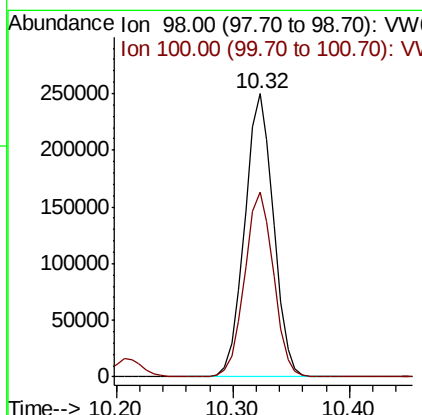
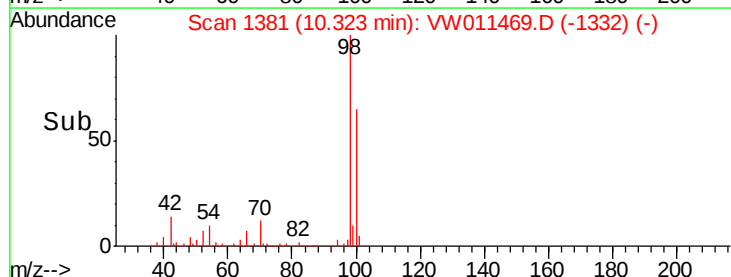
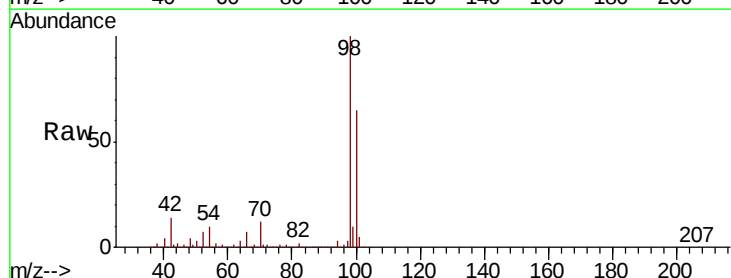
Instrument :
MSVOA_W
ClientSampled :

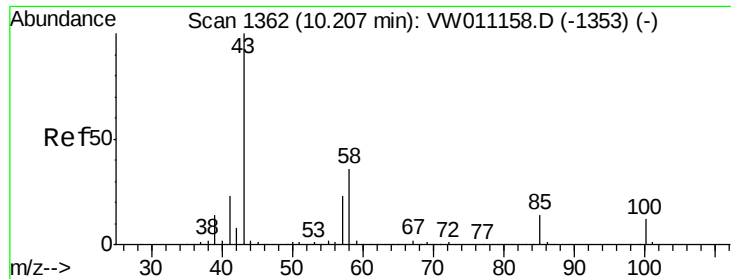
Tot Ion: 88 Resp: 9223
Ion Ratio Lower Upper
88 100
43 39.7 33.4 50.0
58 80.9 64.5 96.7



#50
Toluene-d8
Concen: 46.981 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 98 Resp: 431406
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 94.873 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

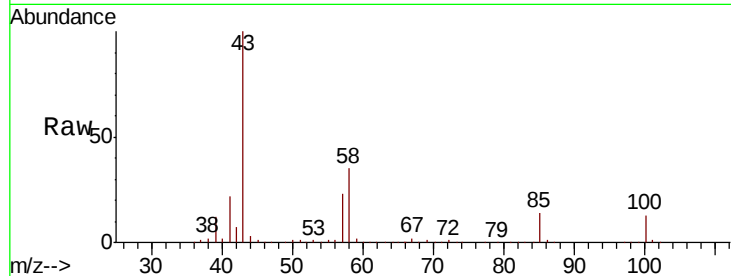
ClientSampled :

Tot Ion: 43 Resp: 228168

Ion Ratio Lower Upper

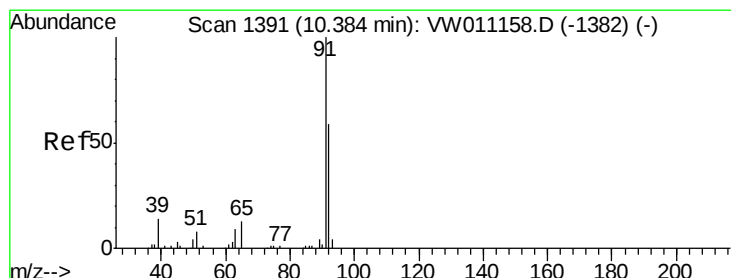
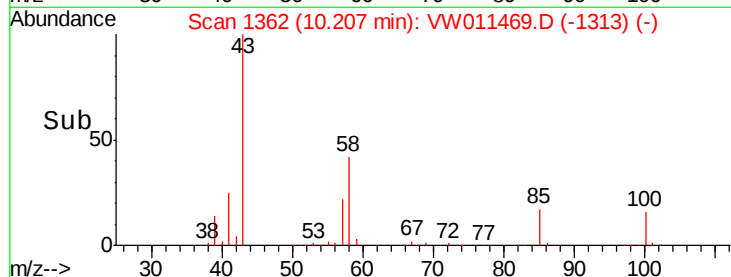
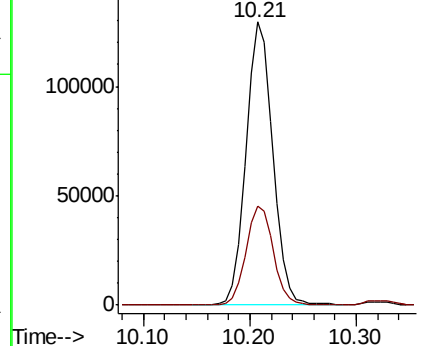
43 100

58 35.7 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.299 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011469.D

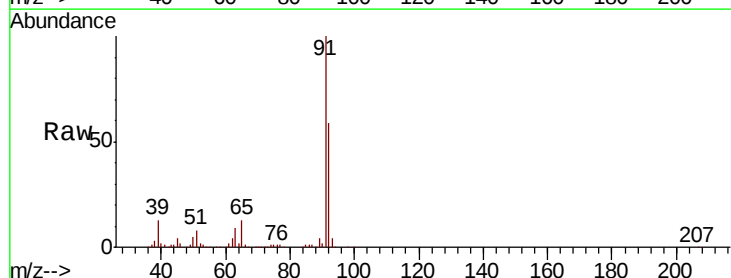
Acq: 24 Jul 2019 12:40

Tgt Ion: 92 Resp: 138118

Ion Ratio Lower Upper

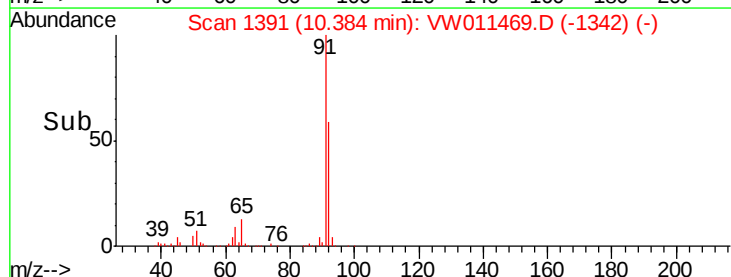
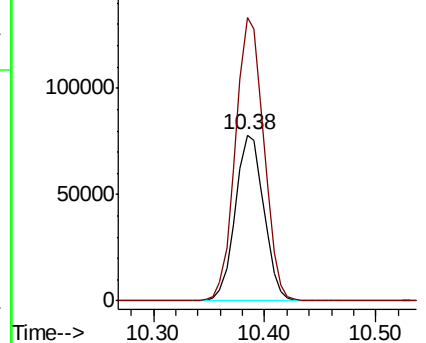
92 100

91 171.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 18.822 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

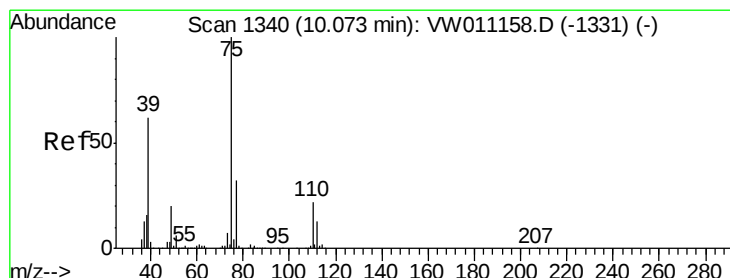
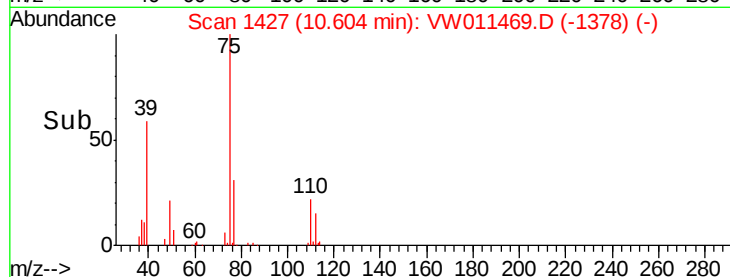
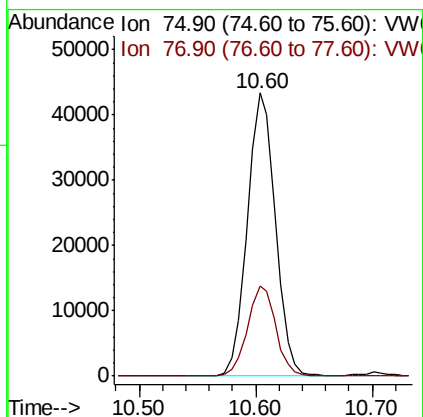
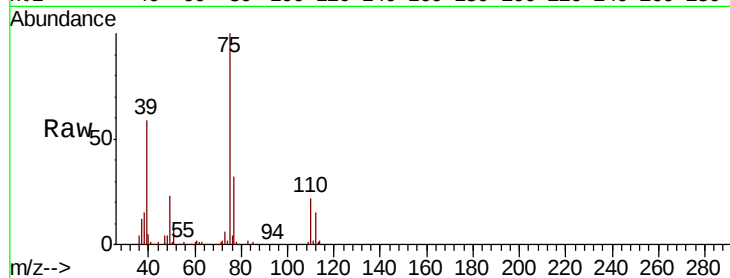
ClientSampled :

Tot Ion: 75 Resp: 73143

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.198 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

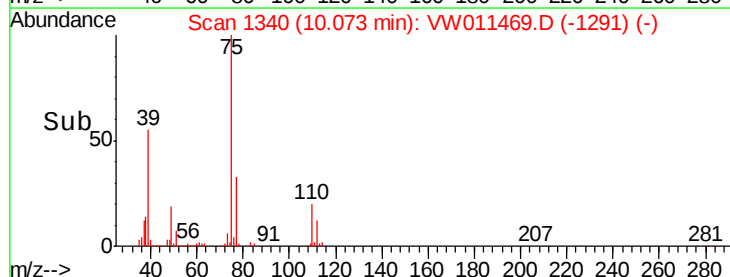
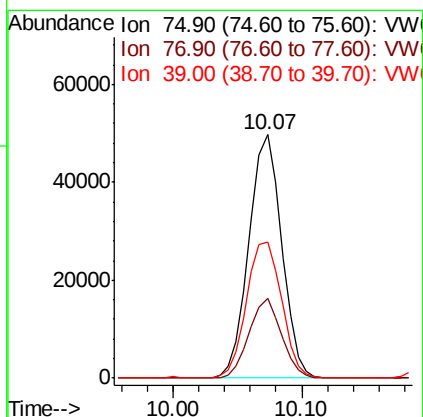
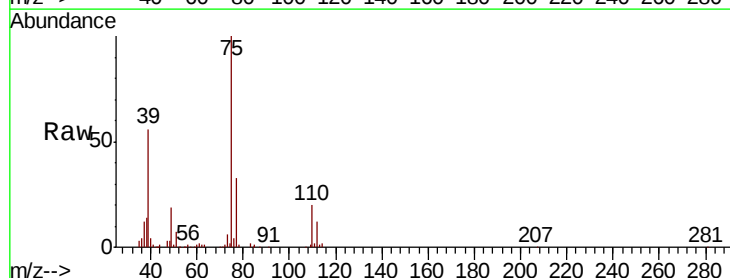
Tgt Ion: 75 Resp: 87813

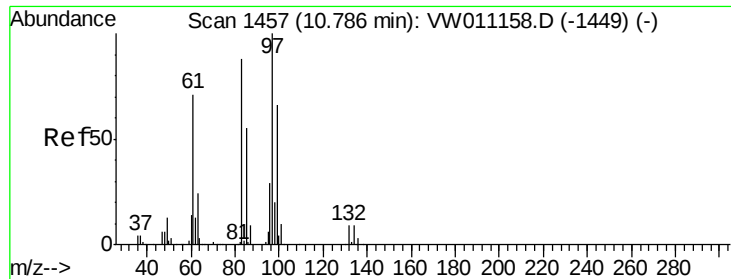
Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

39 55.6 49.8 74.8

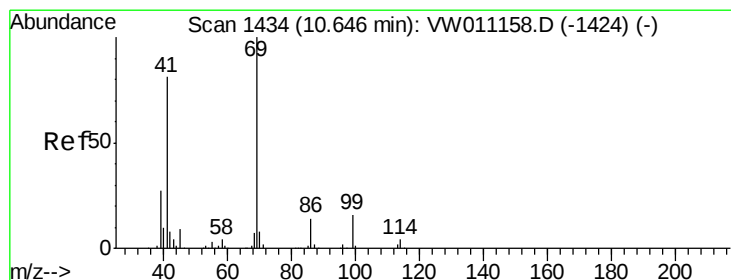
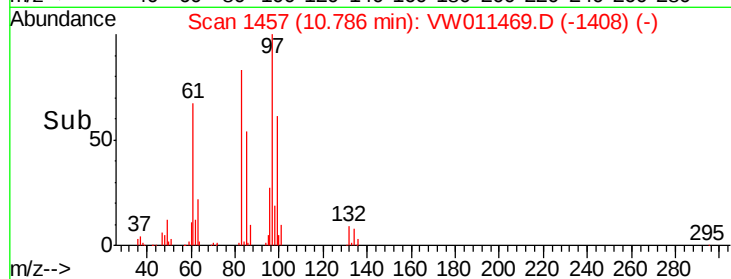
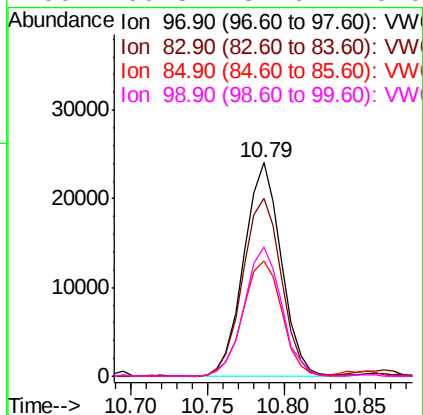
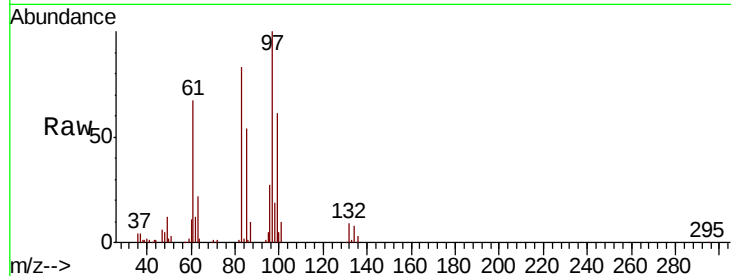




#55
 1,1,2-Trichloroethane
 Concen: 20.179 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

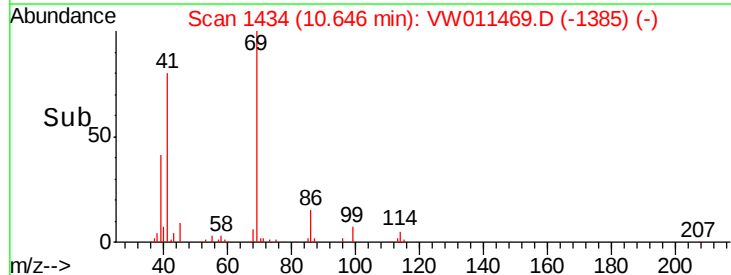
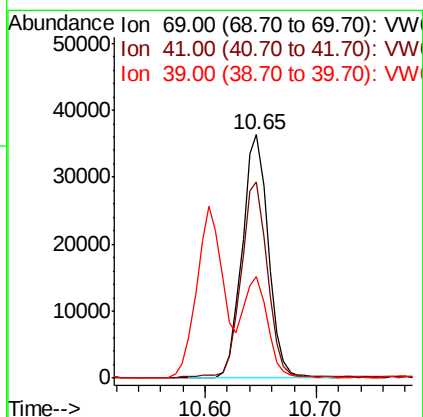
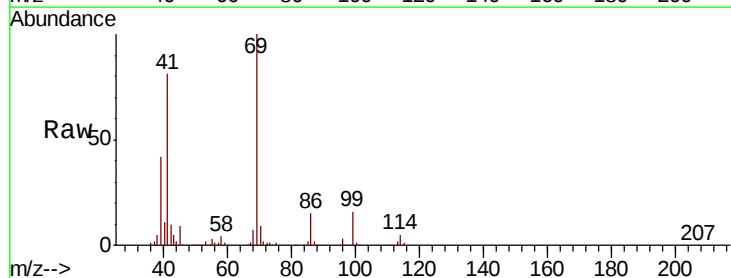
Instrument :
 MSVOA_W
 ClientSampled :

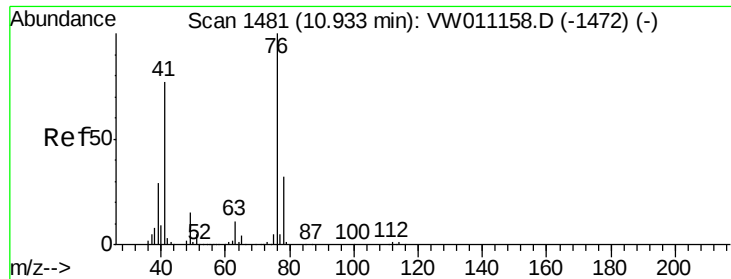
Tot Ion:	97	Resp:	40846
Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.2	105.4
85	54.0	44.2	66.2
99	60.8	52.6	79.0



#56
 Ethyl methacrylate
 Concen: 19.286 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion:	69	Resp:	59436
Ion	Ratio	Lower	Upper
69	100		
41	81.2	66.5	99.7
39	37.3	32.5	48.7

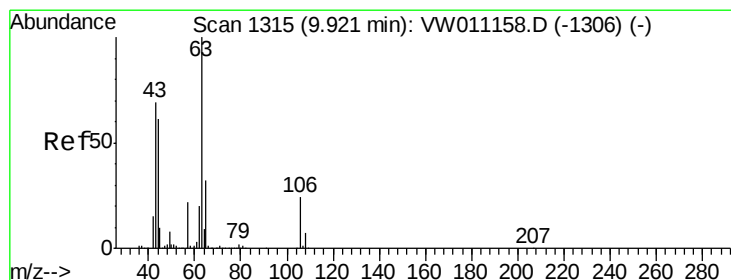
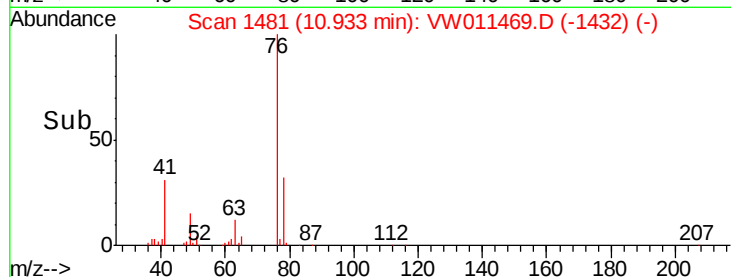
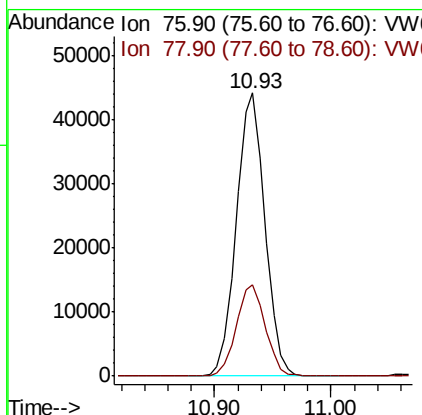
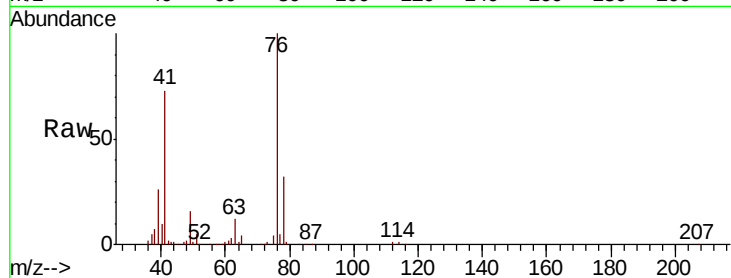




#57
 1,3-Dichloropropane
 Concen: 19.756 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

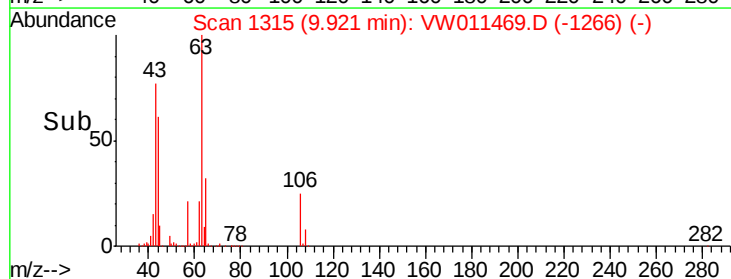
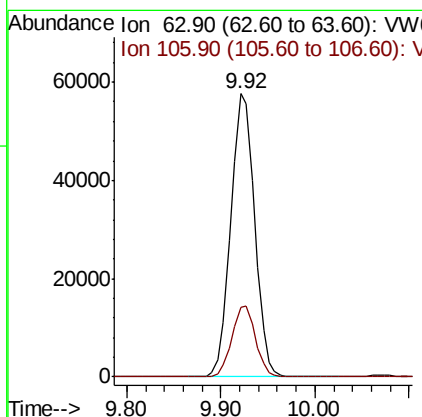
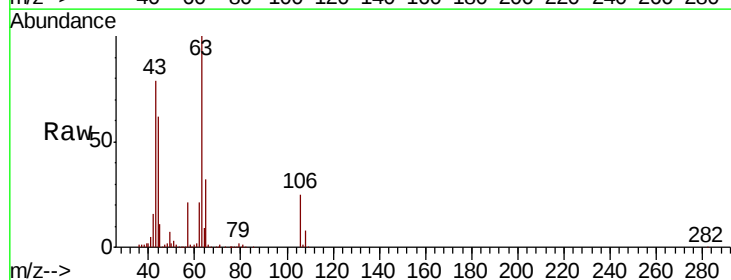
Instrument :
 MSVOA_W
 ClientSampleId :

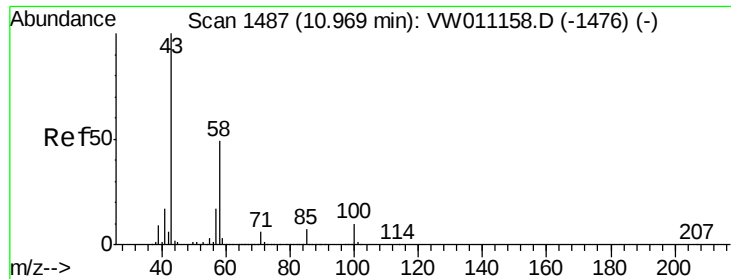
Tot Ion: 76 Resp: 75618
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 71.023 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 63 Resp: 101471
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

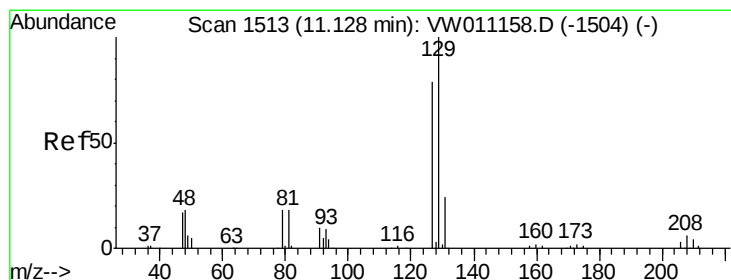
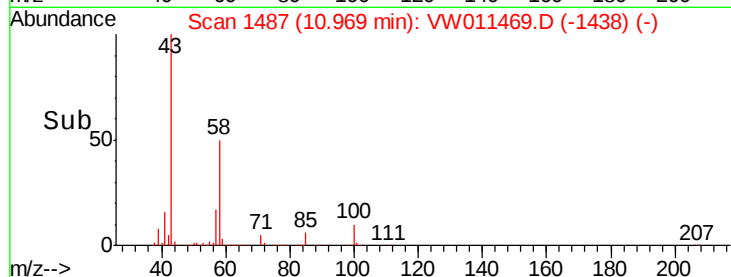
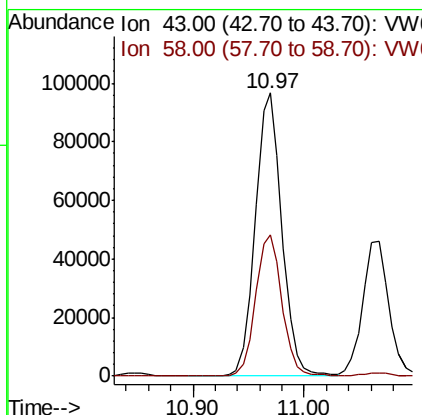
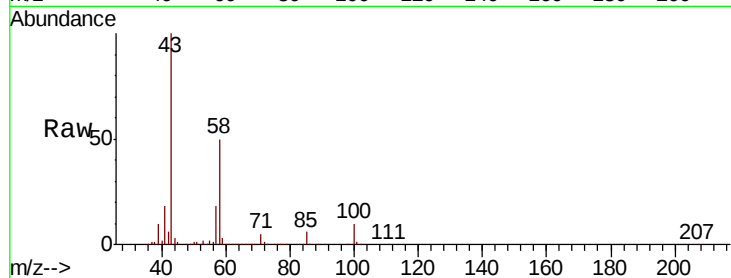




#59
2-Hexanone
Concen: 96.595 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

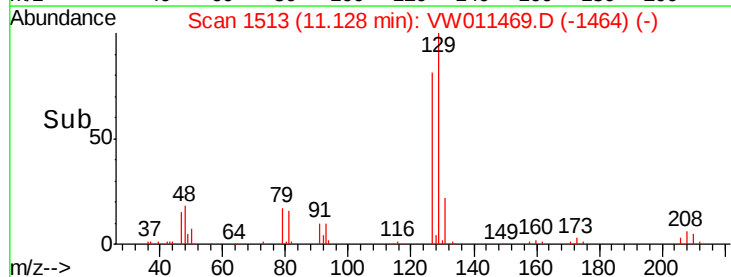
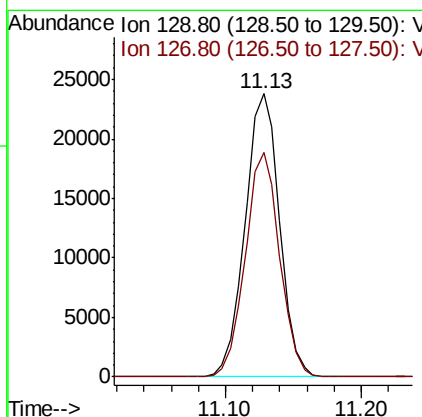
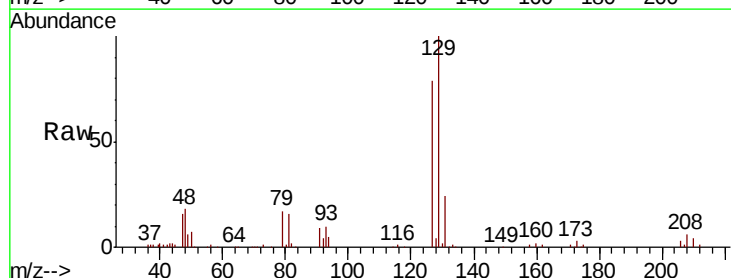
Instrument :
MSVOA_W
ClientSampleId :

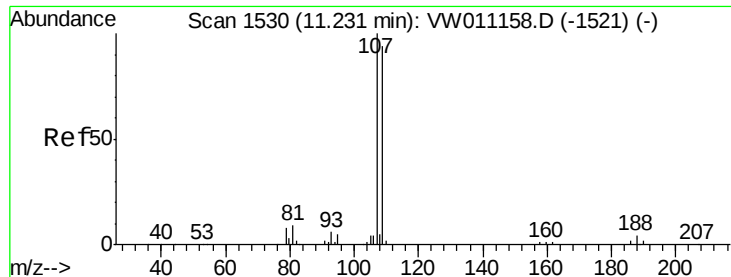
Tot Ion: 43 Resp: 161106
Ion Ratio Lower Upper
43 100
58 49.3 24.4 73.4



#60
Dibromochloromethane
Concen: 19.028 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 129 Resp: 42236
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.3

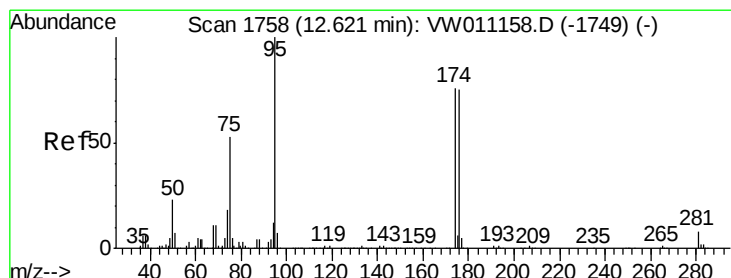
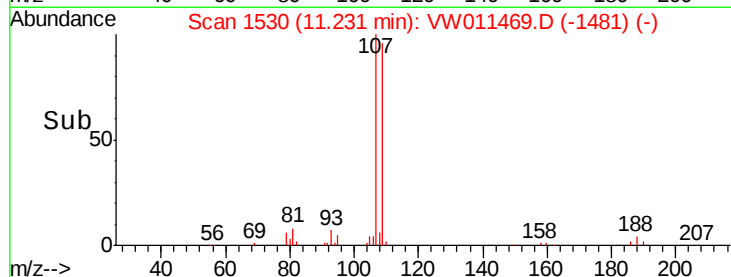
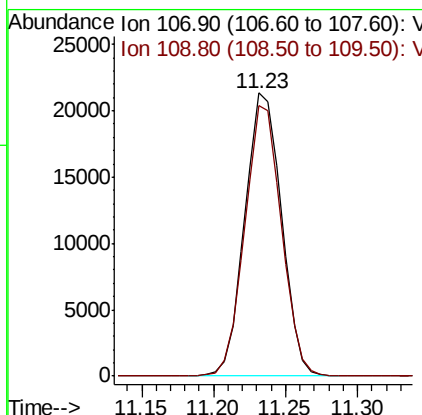
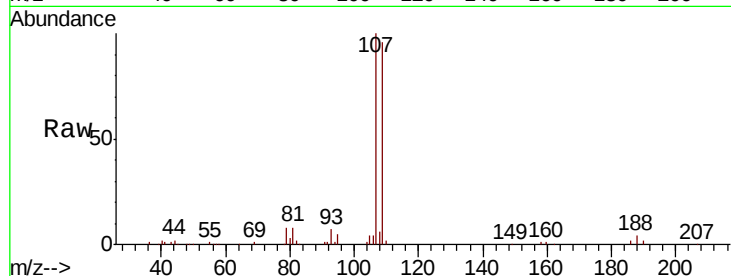




#61
 1,2-Dibromoethane
 Concen: 19.645 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

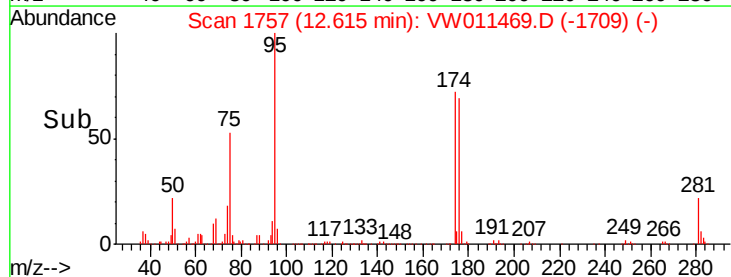
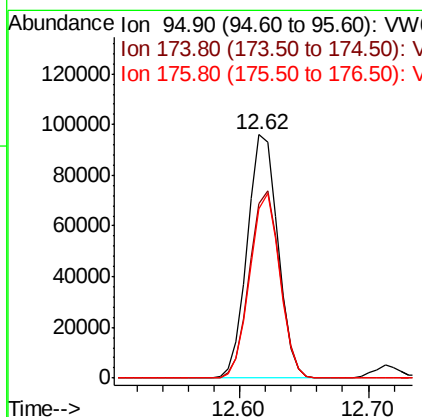
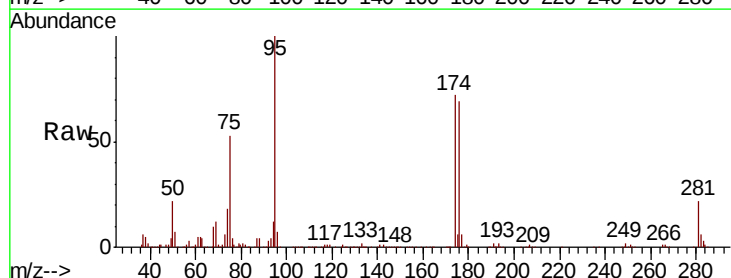
Instrument :
 MSVOA_W
 ClientSampleId :

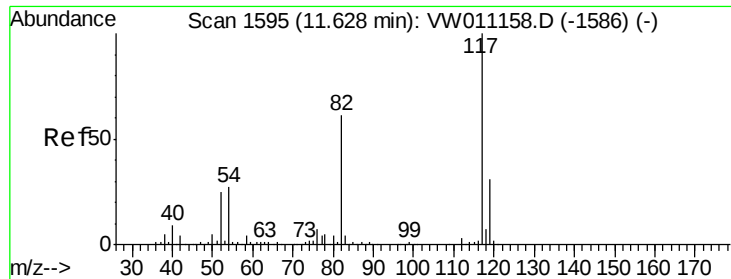
Tot Ion:107 Resp: 37666
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.742 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion: 95 Resp: 157319
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 147.6
 176 74.3 0.0 144.6

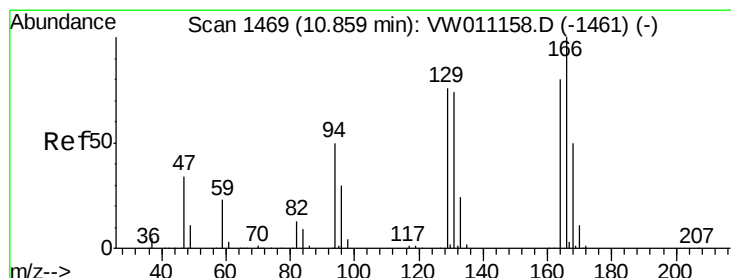
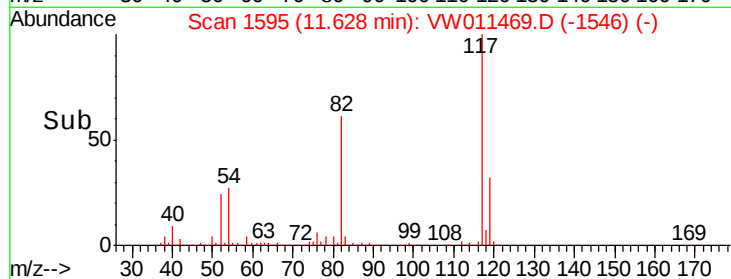
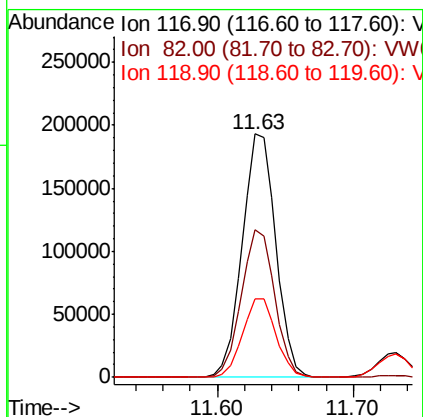
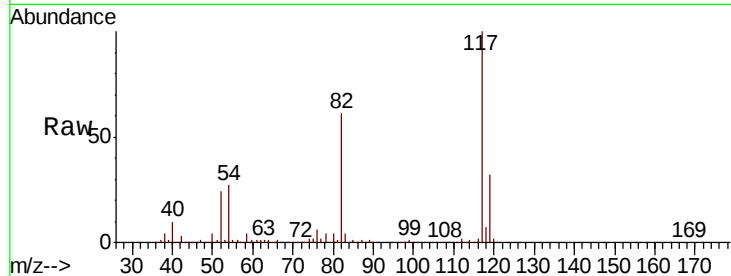




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

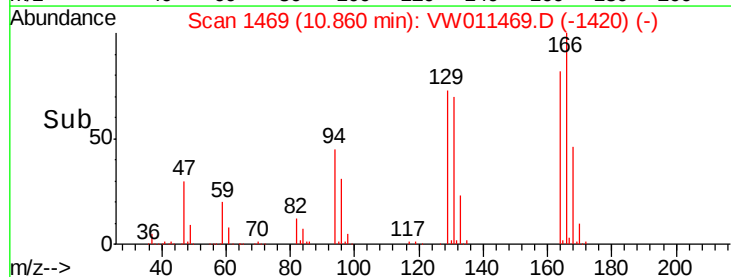
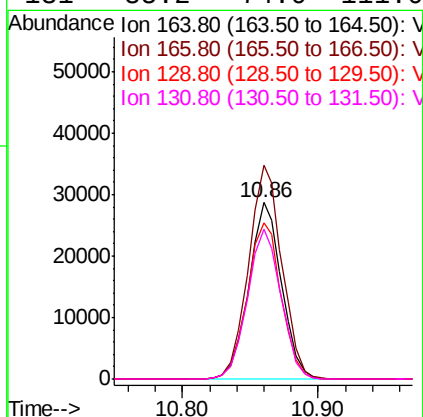
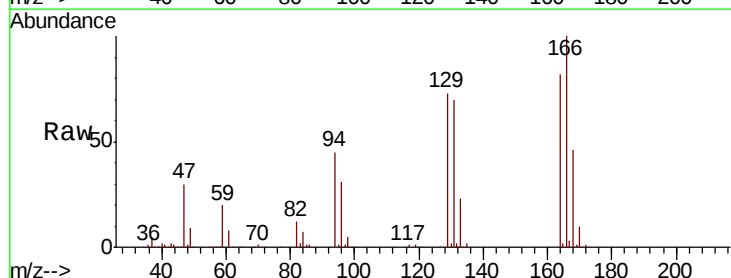
Instrument :
MSVOA_W
ClientSampled :

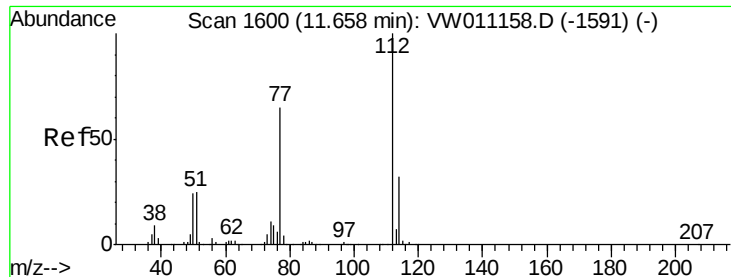
Tot Ion:117 Resp: 332729
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 32.2 25.0 37.6



#64
Tetrachloroethene
Concen: 21.469 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:164 Resp: 48203
Ion Ratio Lower Upper
164 100
166 121.3 99.7 149.5
129 89.0 76.2 114.2
131 85.2 74.0 111.0

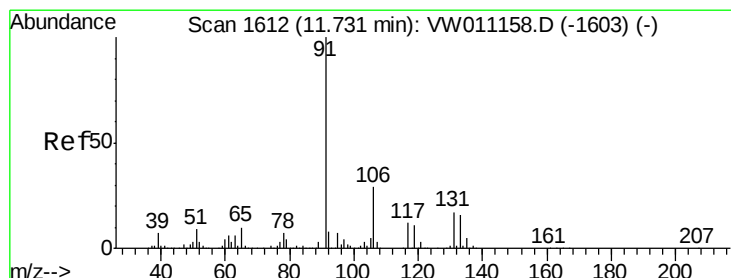
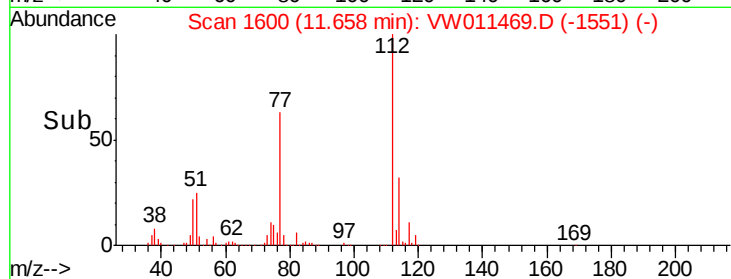
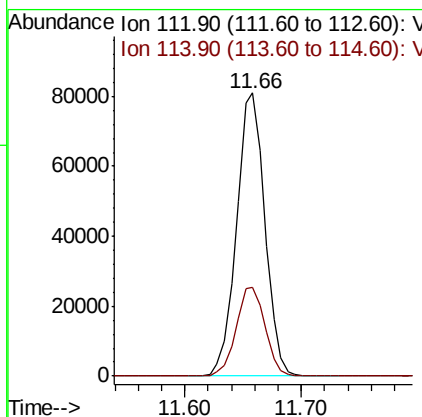
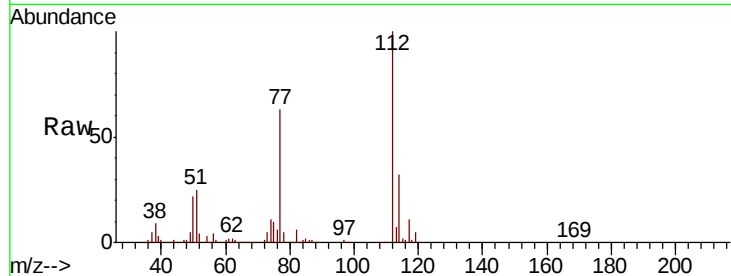




#65
Chlorobenzene
Concen: 20.281 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

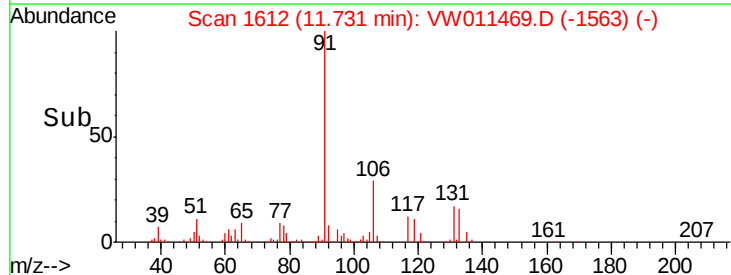
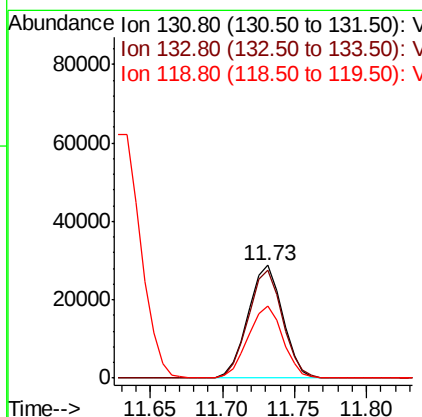
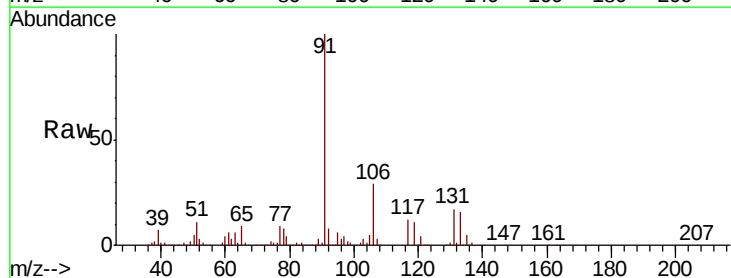
Instrument :
MSVOA_W
ClientSampleId :

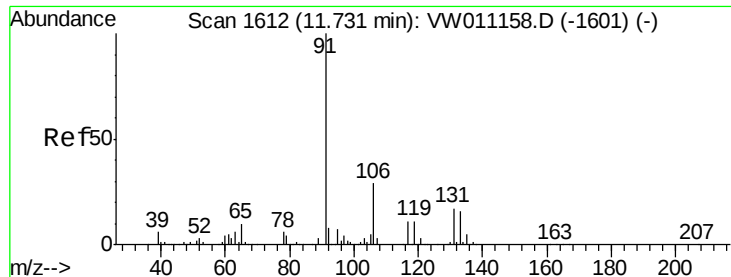
Tot Ion:112 Resp: 137199
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.161 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:131 Resp: 48020
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 64.3 33.1 99.2

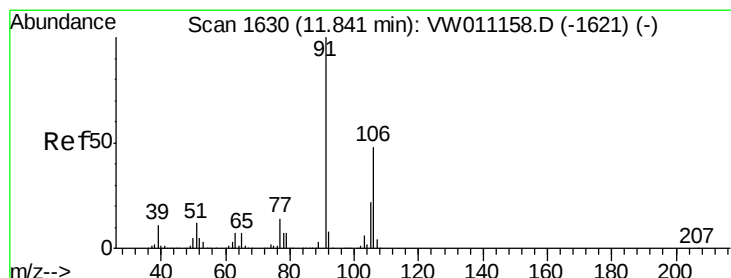
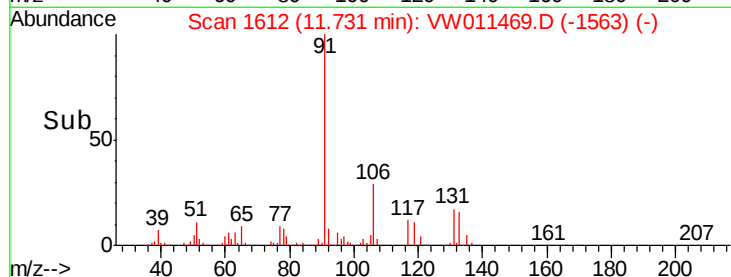
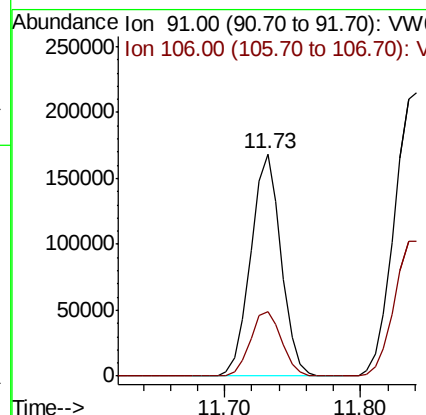
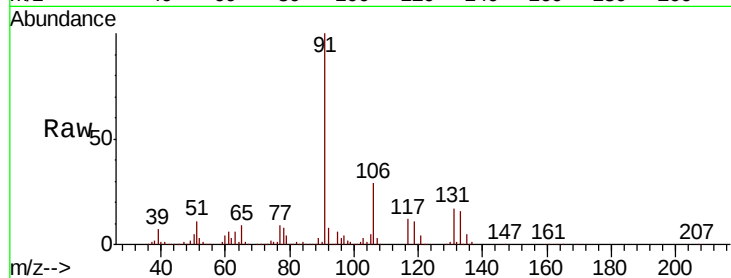




#67
Ethyl Benzene
Concen: 20.349 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

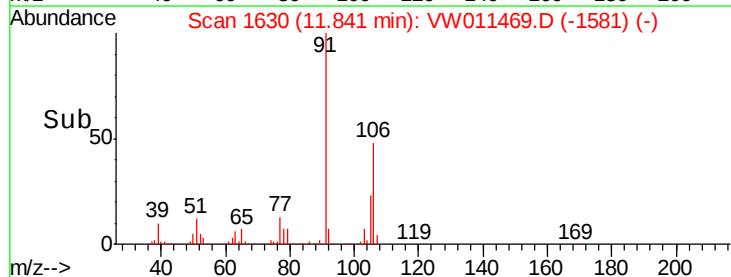
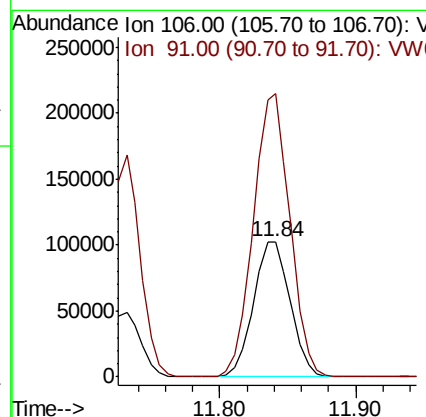
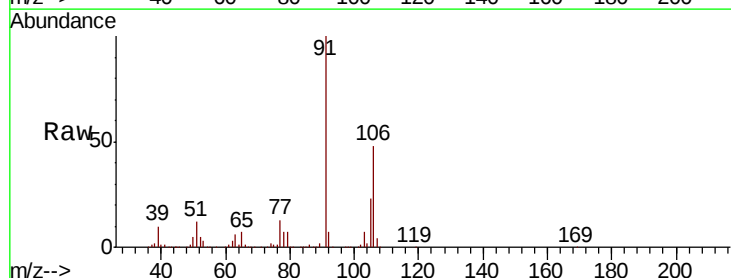
Instrument :
MSVOA_W
ClientSampled :

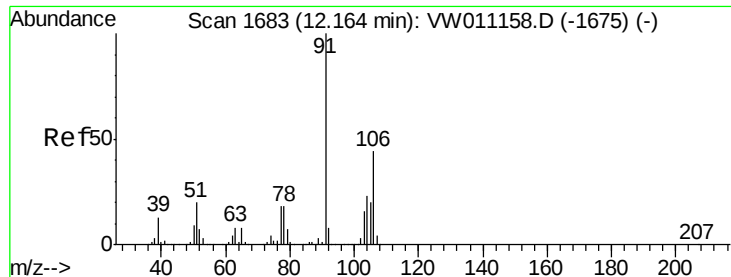
Tot Ion: 91 Resp: 263529
Ion Ratio Lower Upper
91 100
106 29.3 23.5 35.3



#68
m/p-Xylenes
Concen: 41.406 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 106 Resp: 194025
Ion Ratio Lower Upper
106 100
91 208.6 167.7 251.5

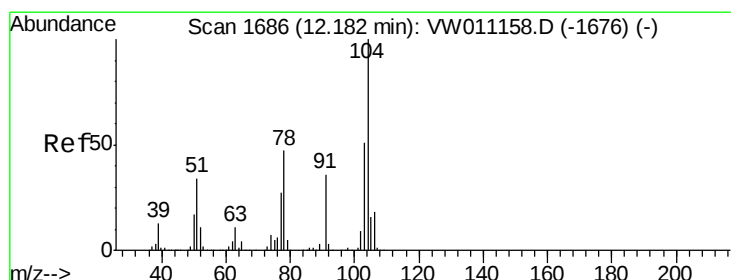
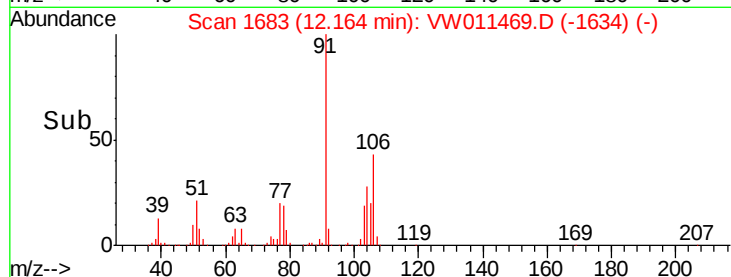
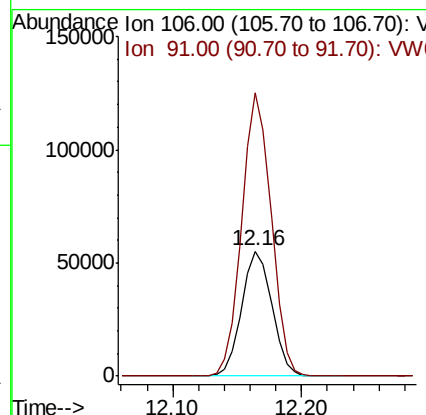
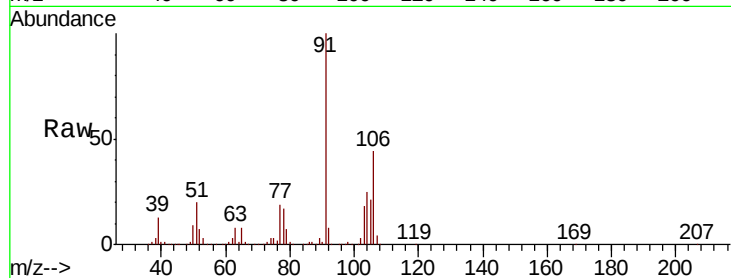




#69
o-Xylene
Concen: 20.324 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

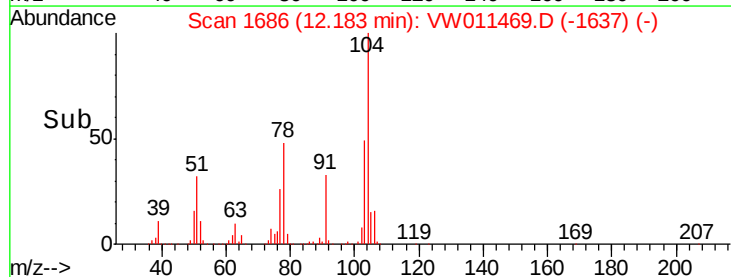
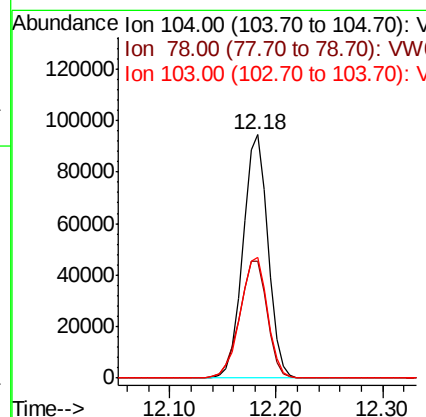
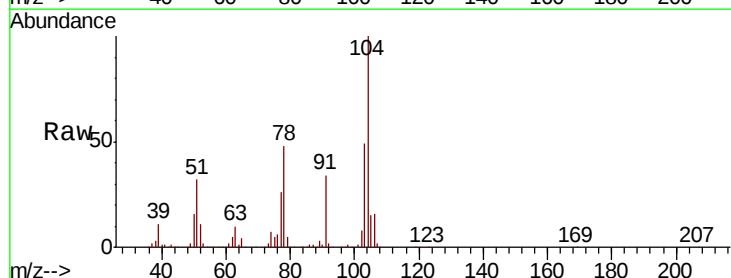
Instrument :
MSVOA_W
ClientSampled :

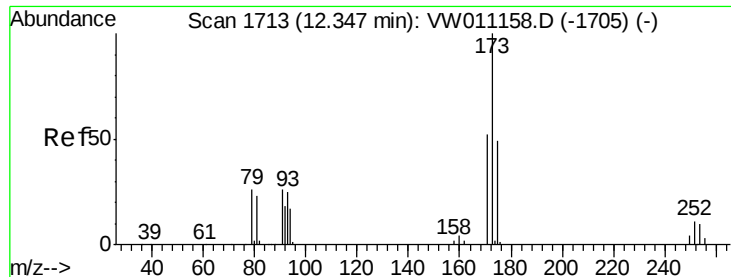
Tot Ion:106 Resp: 89764
Ion Ratio Lower Upper
106 100
91 220.9 110.7 332.1



#70
Styrene
Concen: 20.489 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:104 Resp: 156168
Ion Ratio Lower Upper
104 100
78 53.3 43.1 64.7
103 54.2 44.1 66.1

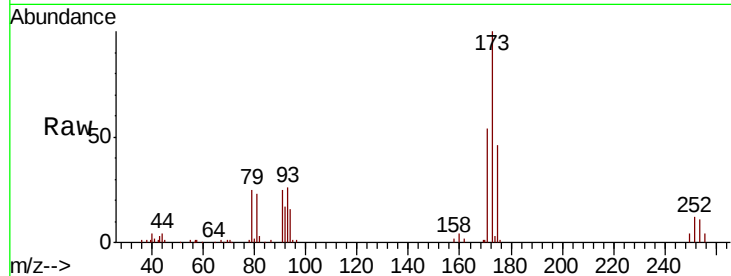




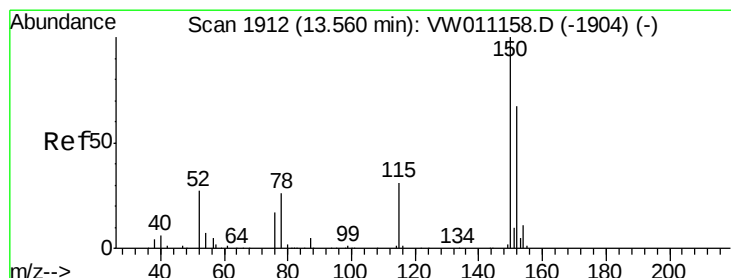
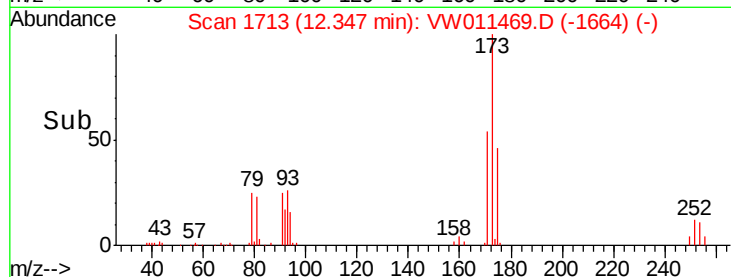
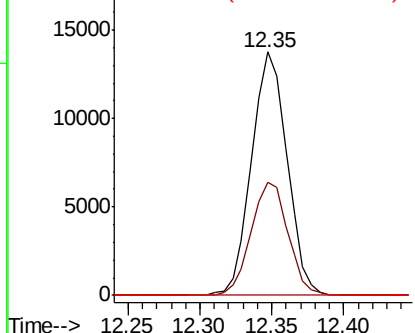
#71
Bromoform
Concen: 18.520 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 23454
Ion Ratio Lower Upper
173 100
175 48.3 24.8 74.3
254 0.0 0.0 0.0

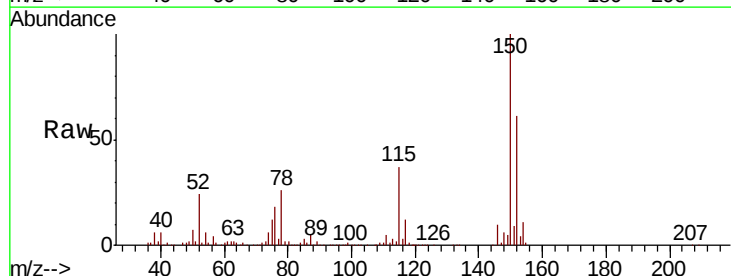


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

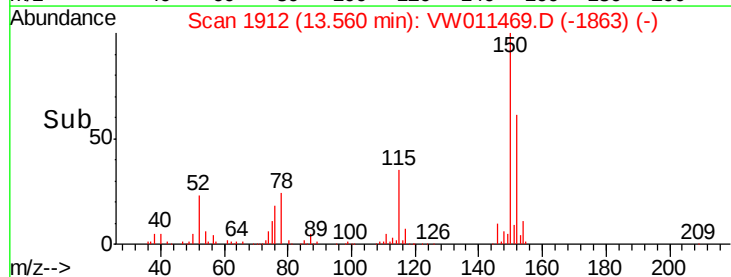
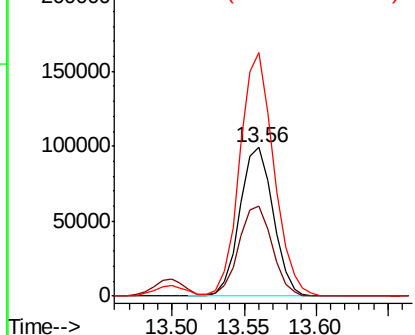


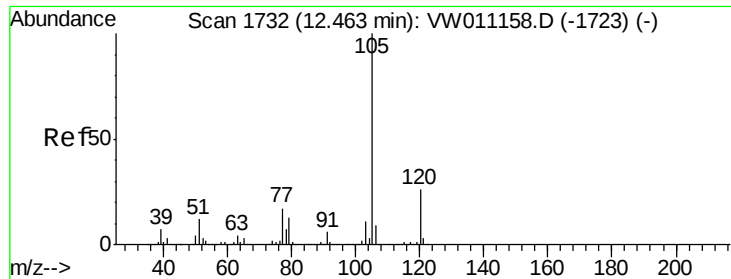
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:152 Resp: 159957
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 166.0 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.381 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

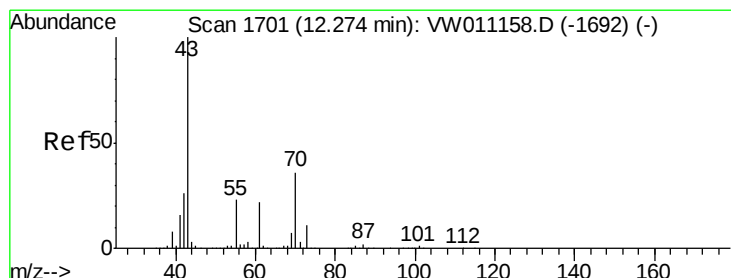
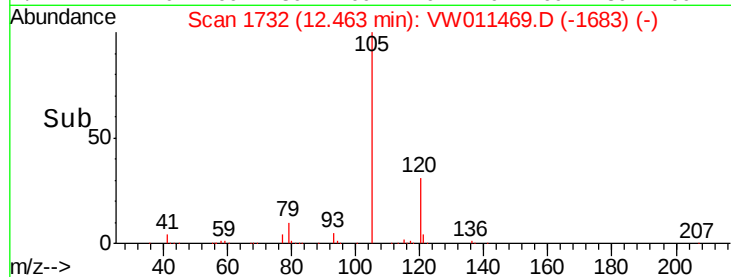
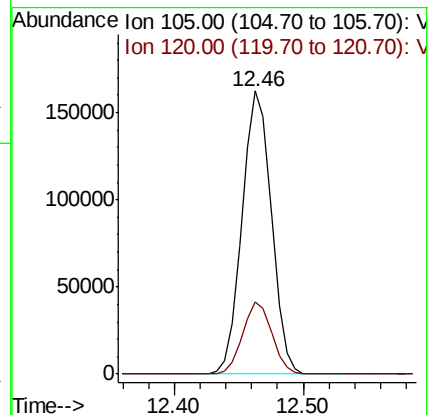
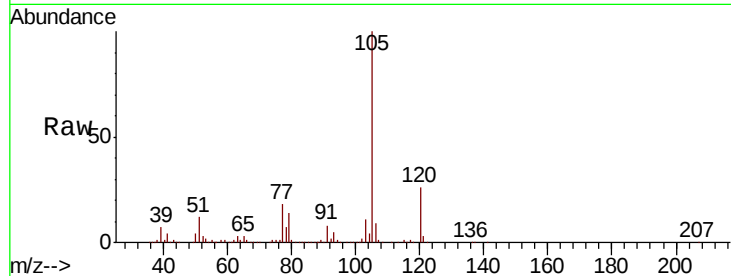
ClientSampleId :

Tot Ion:105 Resp: 255656

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



#74

N-ethyl acetate

Concen: 19.553 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Tgt Ion: 43 Resp: 81429

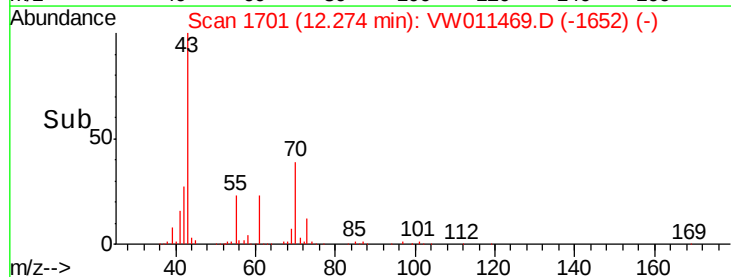
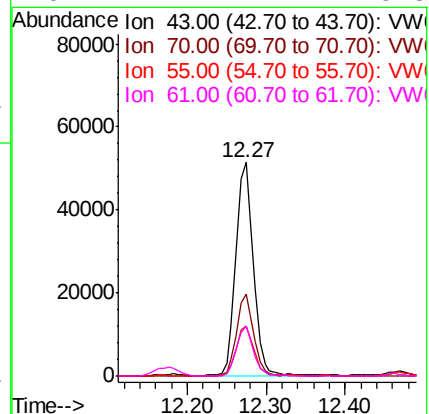
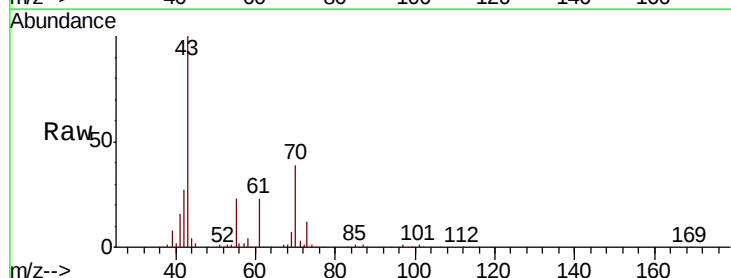
Ion Ratio Lower Upper

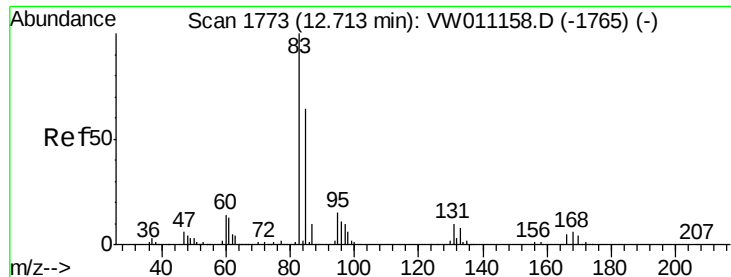
43 100

70 36.5 28.5 42.7

55 23.1 18.1 27.1

61 22.1 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.741 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

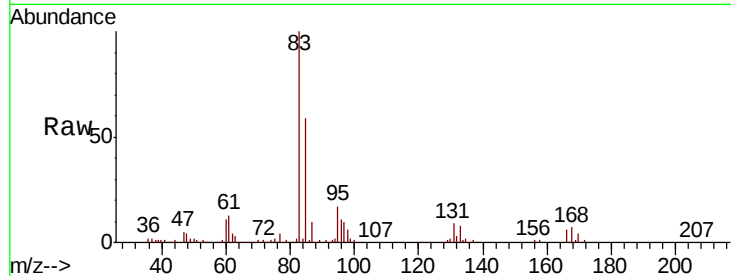
Tot Ion: 83 Resp: 48388

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

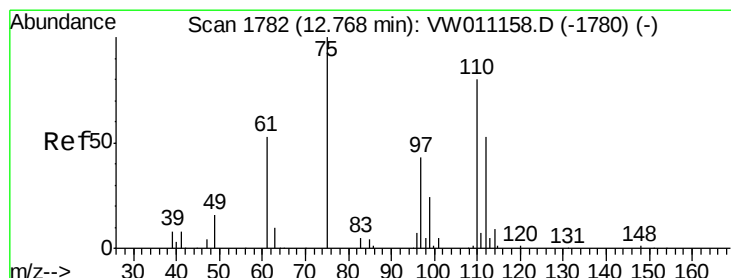
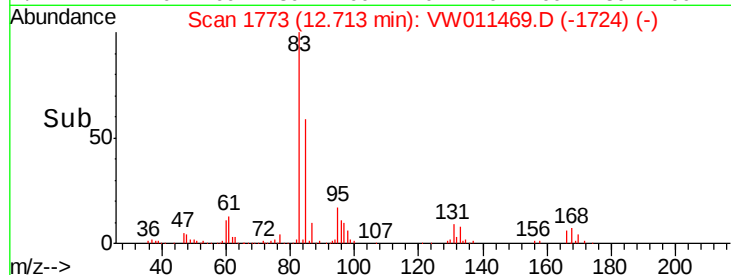
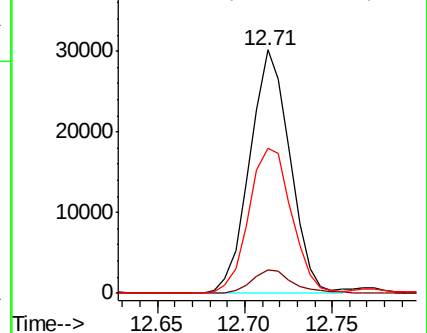
85 63.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.417 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011469.D

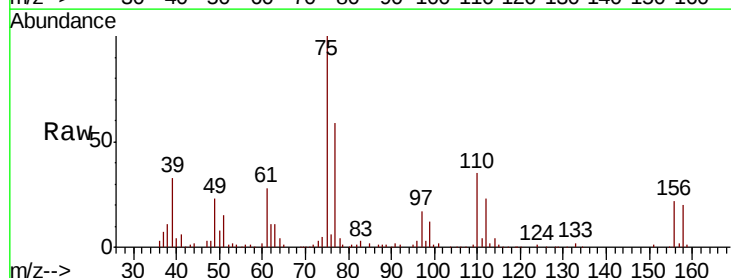
Acq: 24 Jul 2019 12:40

Tgt Ion: 75 Resp: 63620

Ion Ratio Lower Upper

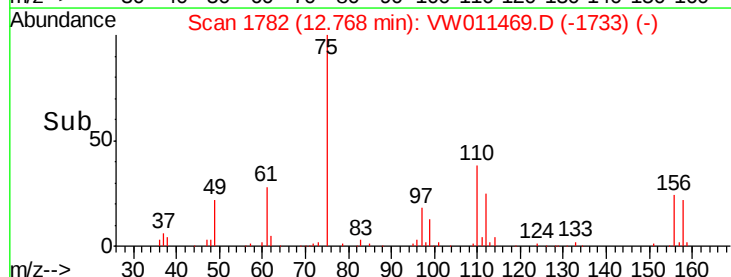
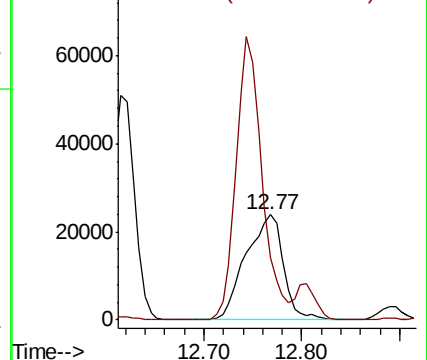
75 100

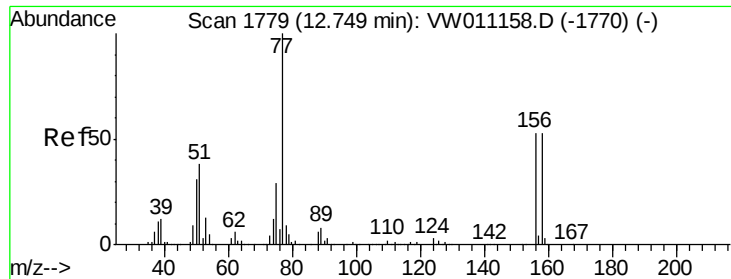
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

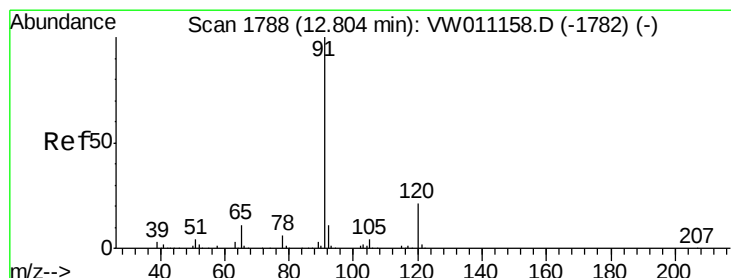
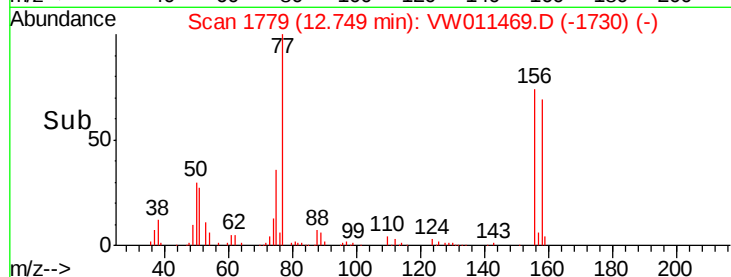
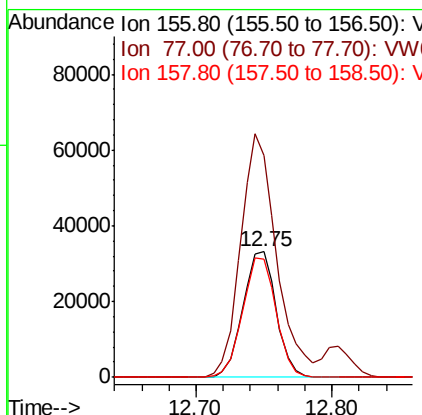
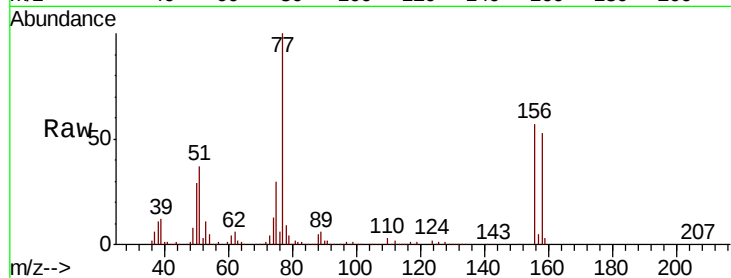




#77
Bromobenzene
Concen: 21.141 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

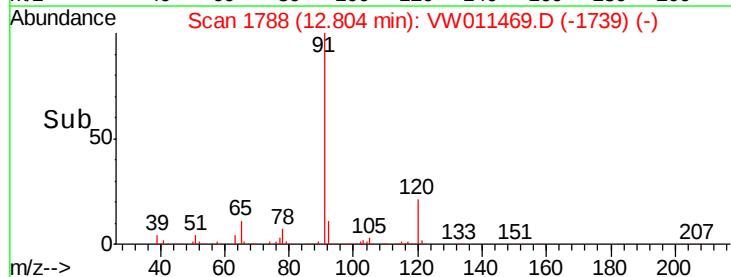
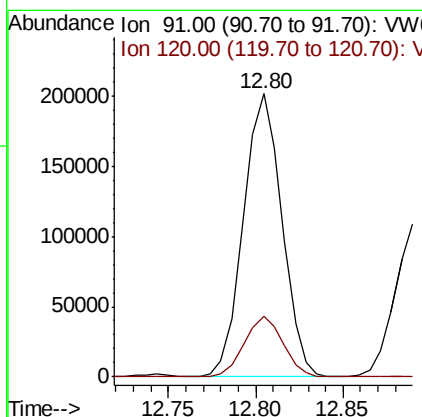
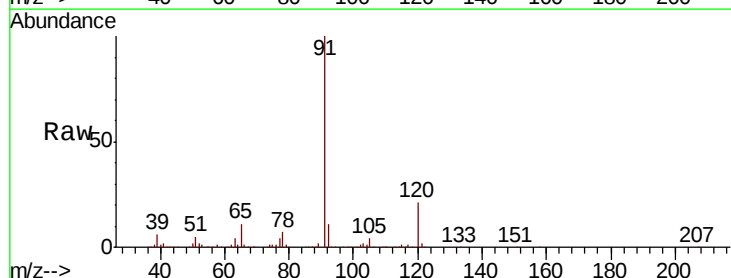
Instrument :
MSVOA_W
ClientSampled :

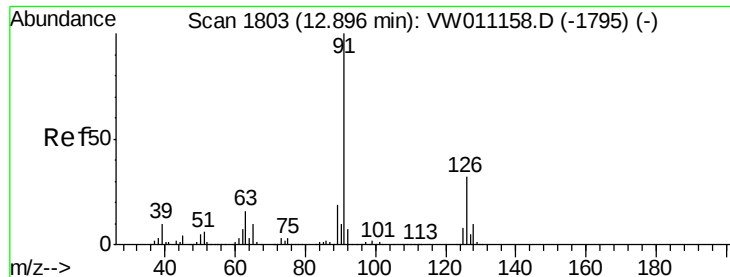
Tot Ion:156 Resp: 56732
Ion Ratio Lower Upper
156 100
77 208.8 109.0 327.0
158 95.6 48.8 146.3



#78
n-propylbenzene
Concen: 20.943 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion: 91 Resp: 308484
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.3





#79

2-Chlorotoluene

Concen: 20.796 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

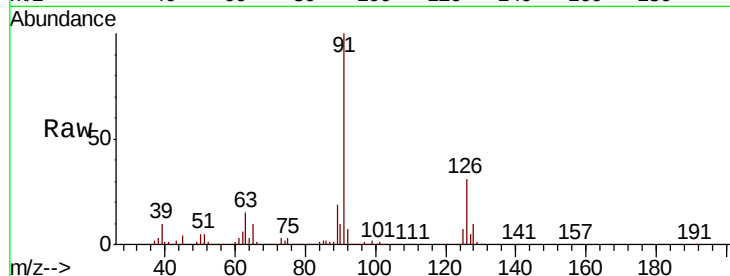
ClientSampleId :

Tot Ion: 91 Resp: 176273

Ion Ratio Lower Upper

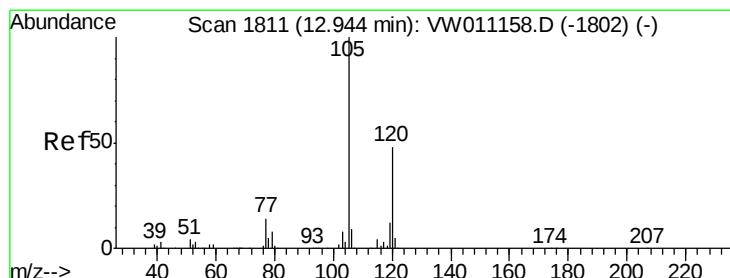
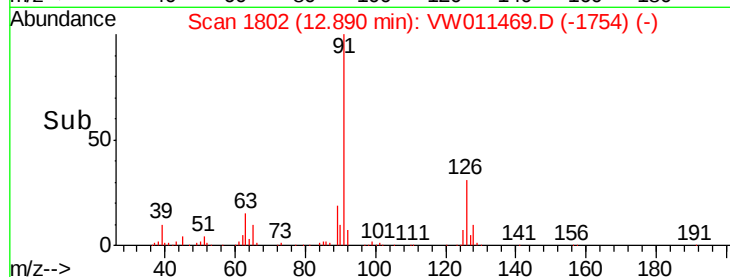
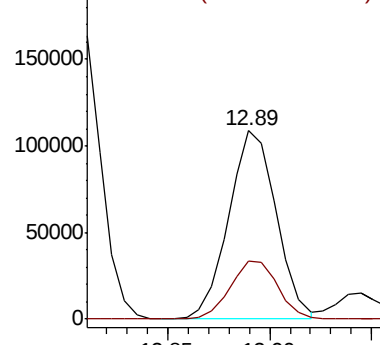
91 100

126 31.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.875 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011469.D

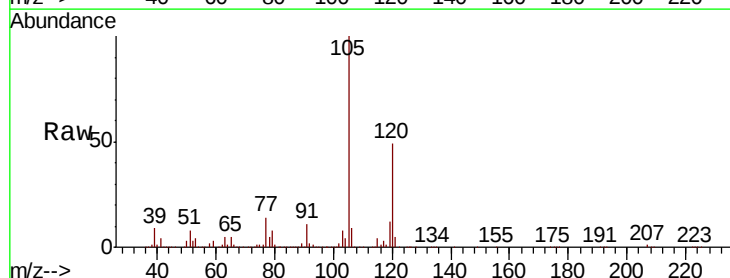
Acq: 24 Jul 2019 12:40

Tgt Ion:105 Resp: 212055

Ion Ratio Lower Upper

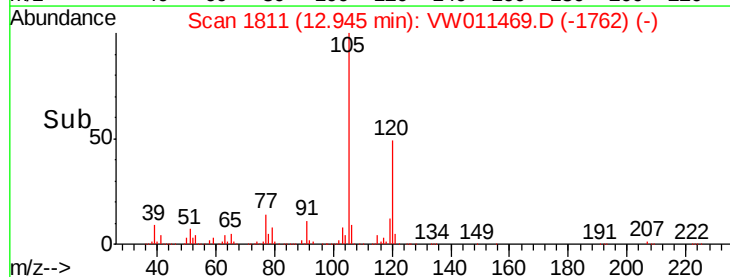
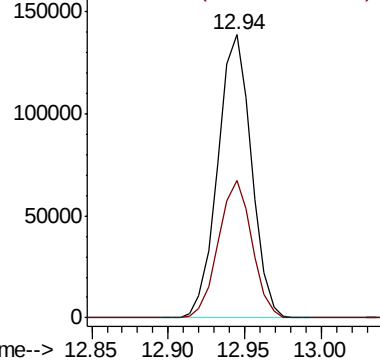
105 100

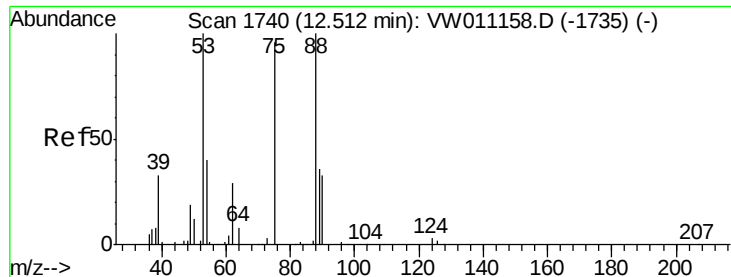
120 48.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.679 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

ClientSampled :

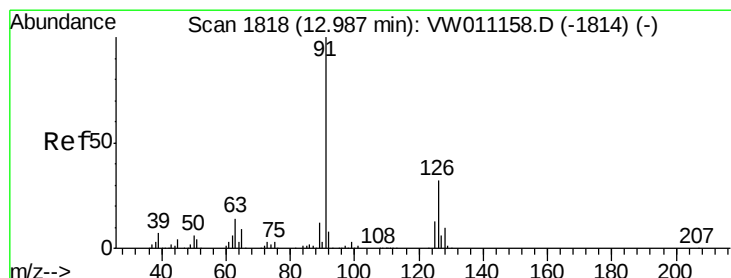
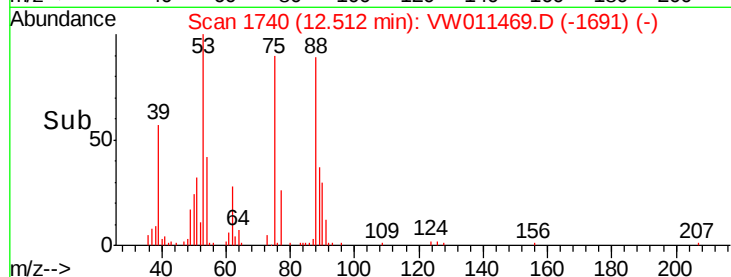
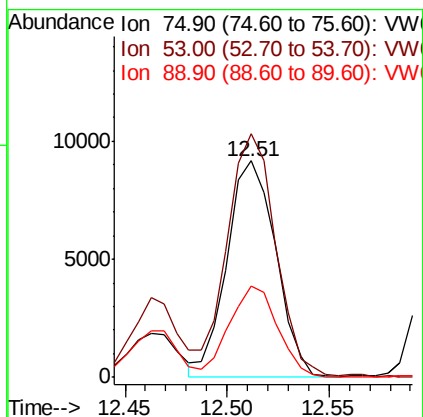
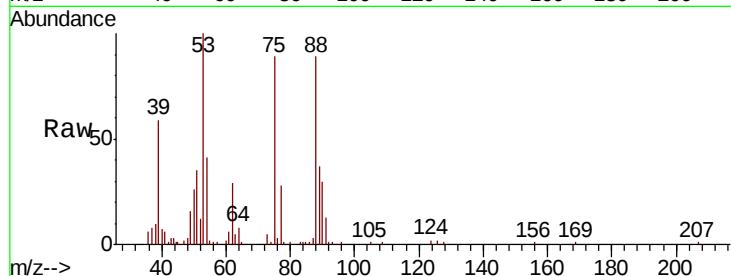
Tot Ion: 75 Resp: 15266

Ion Ratio Lower Upper

75 100

53 110.7 89.8 134.6

89 41.3 34.3 51.5



#82

4-Chlorotoluene

Concen: 20.531 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011469.D

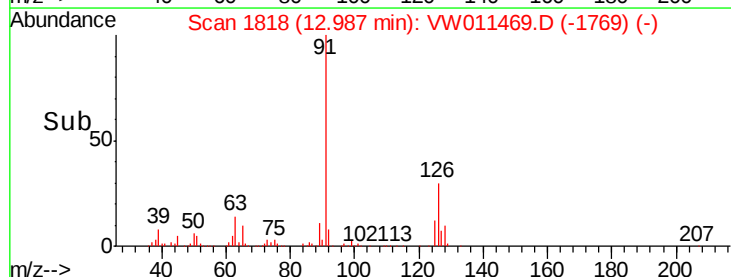
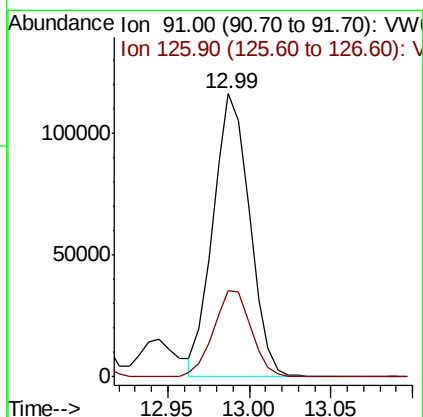
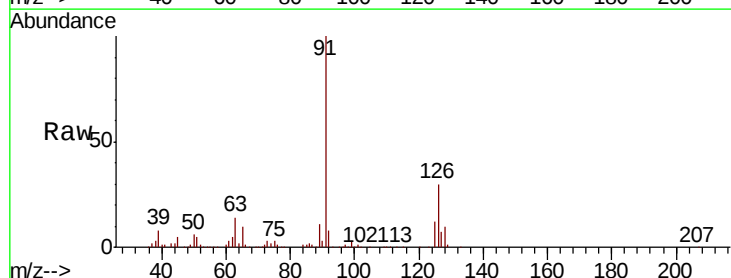
Acq: 24 Jul 2019 12:40

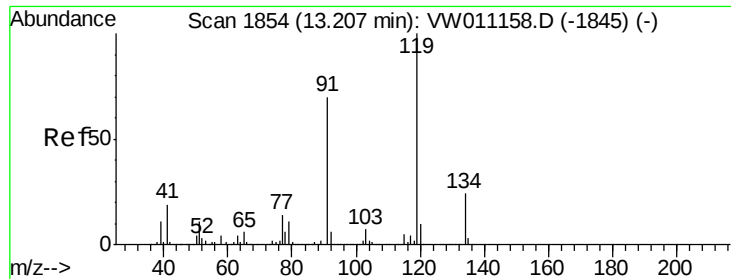
Tgt Ion: 91 Resp: 181257

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1

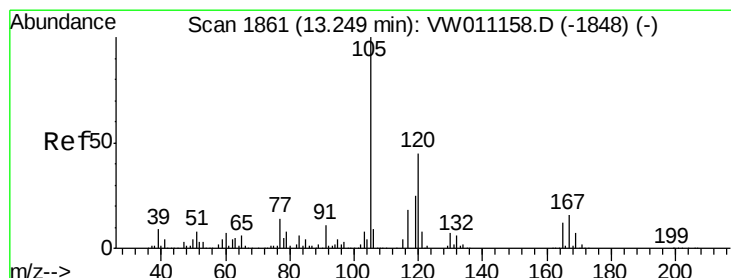
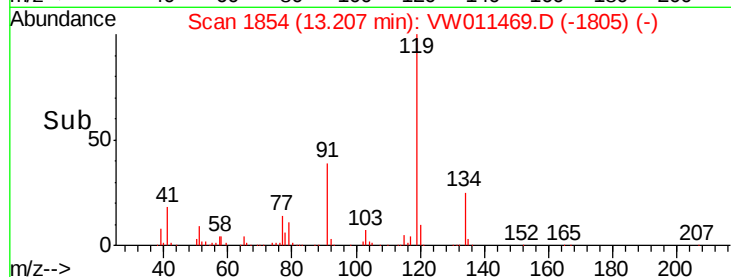
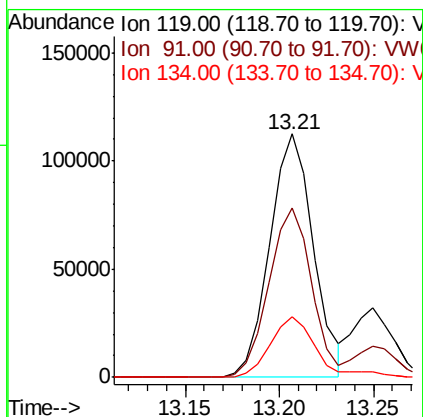
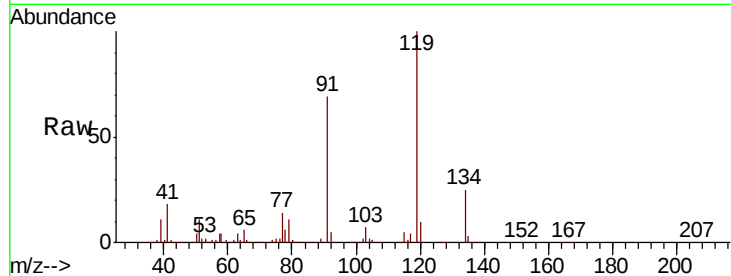




#83
tert-Butylbenzene
Concen: 21.310 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

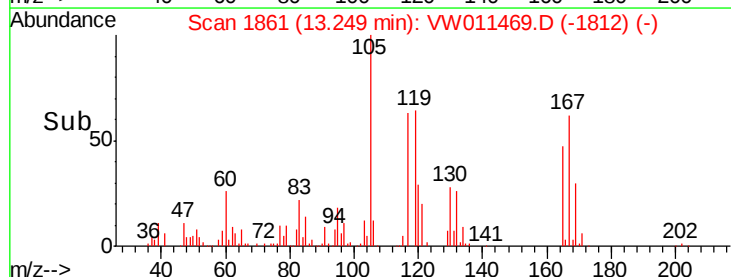
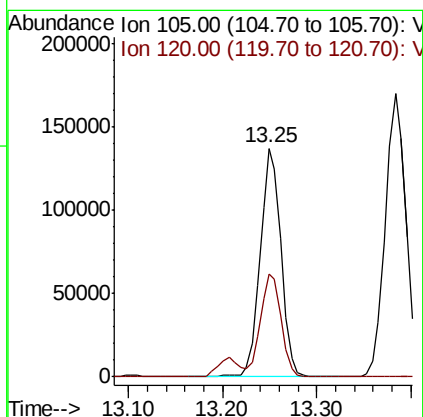
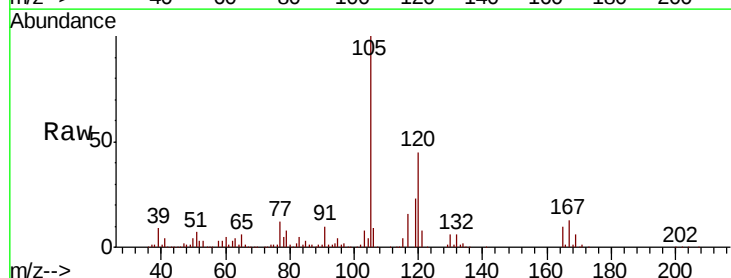
Instrument :
MSVOA_W
ClientSampled :

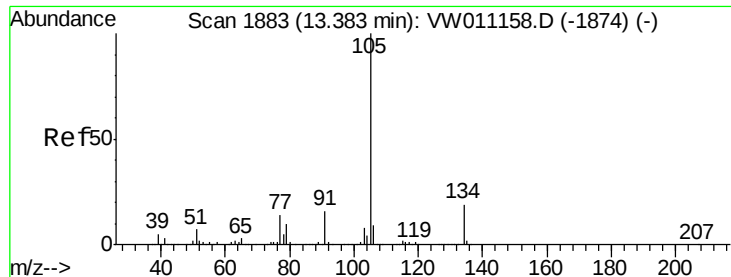
Tot Ion:119 Resp: 180543
Ion Ratio Lower Upper
119 100
91 68.3 35.4 106.3
134 26.6 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 20.958 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:105 Resp: 213773
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.235 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

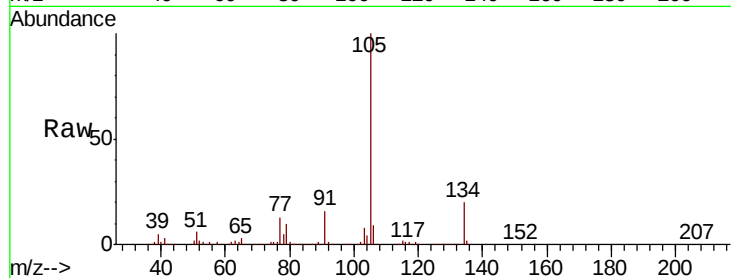
ClientSampleId :

Tot Ion:105 Resp: 259594

Ion Ratio Lower Upper

105 100

134 19.8 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

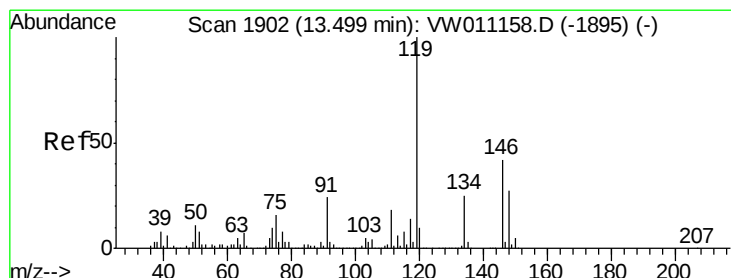
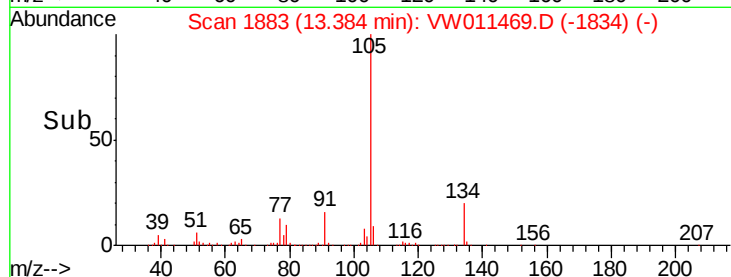
150000

100000

50000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 21.124 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

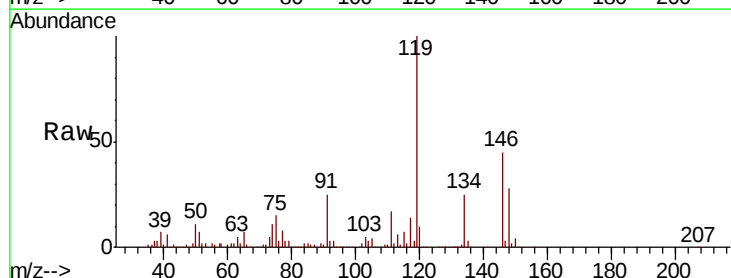
Tgt Ion:119 Resp: 231616

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

91 24.6 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

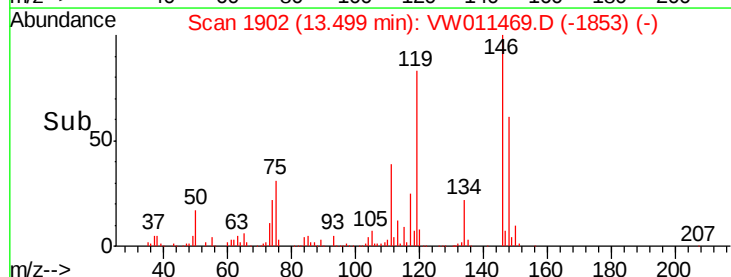
150000

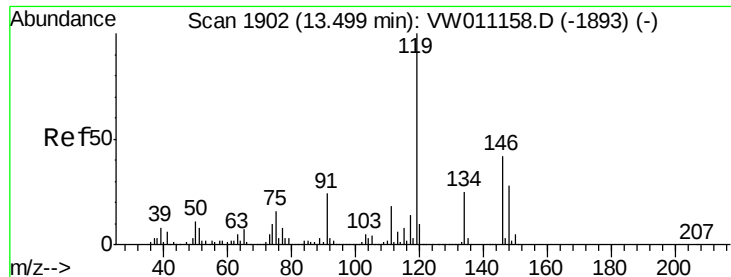
100000

50000

0

Time--> 13.40 13.50

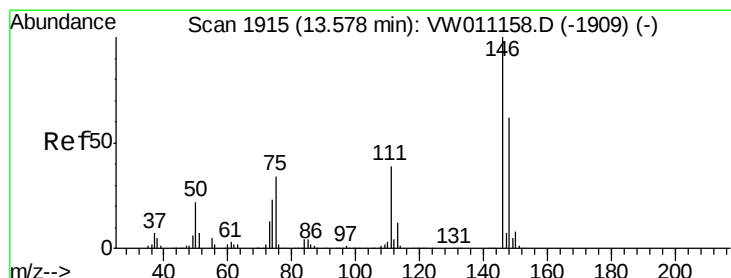
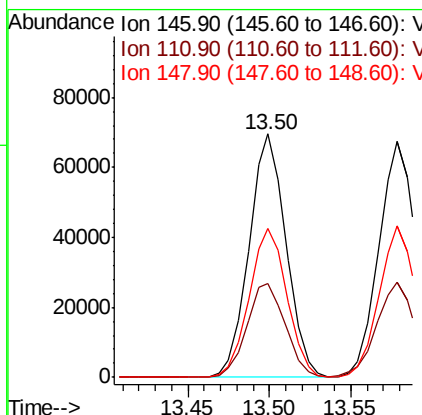
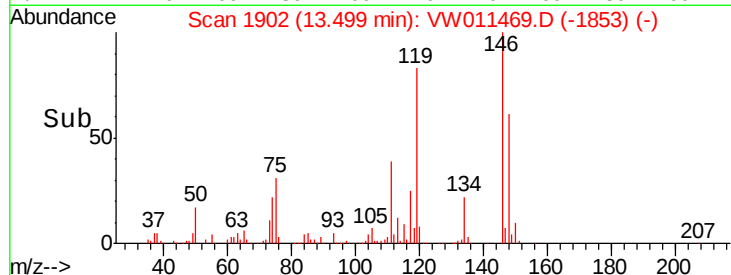
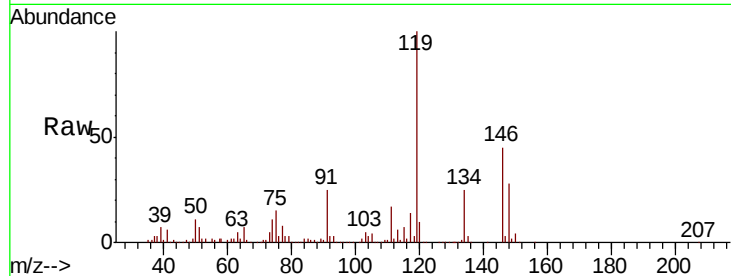




#87
 1,3-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

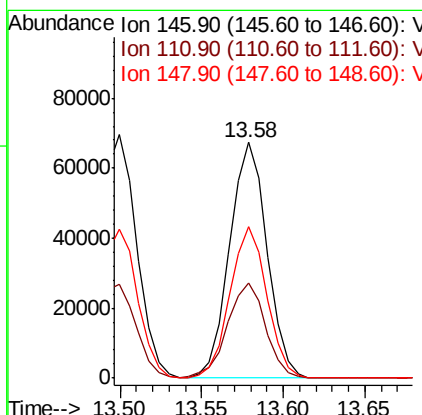
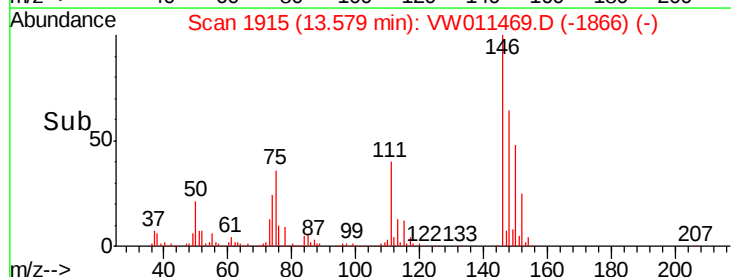
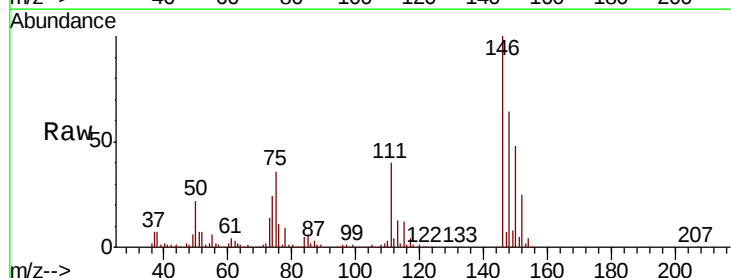
Instrument :
 MSVOA_W
 ClientSampled :

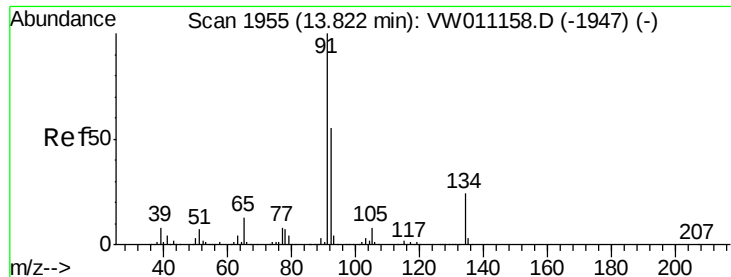
Tot Ion:146 Resp: 109571
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.1
 148 62.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion:146 Resp: 107542
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.9 59.7
 148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 20.860 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

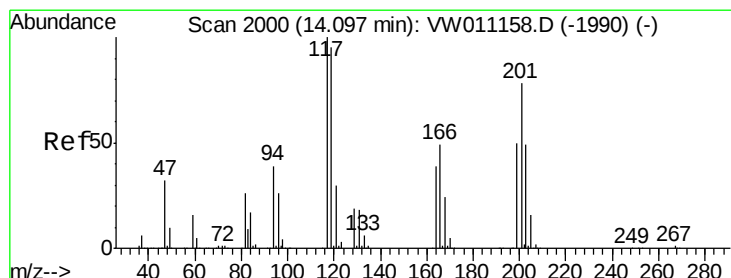
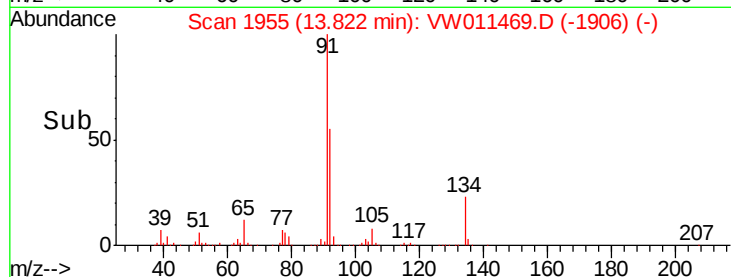
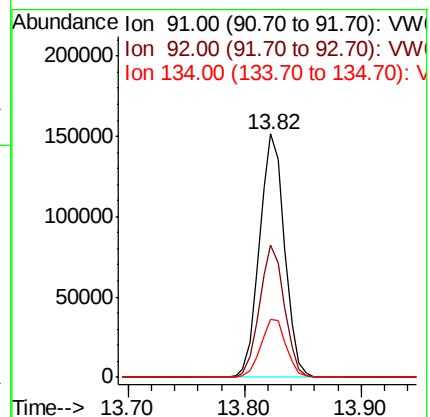
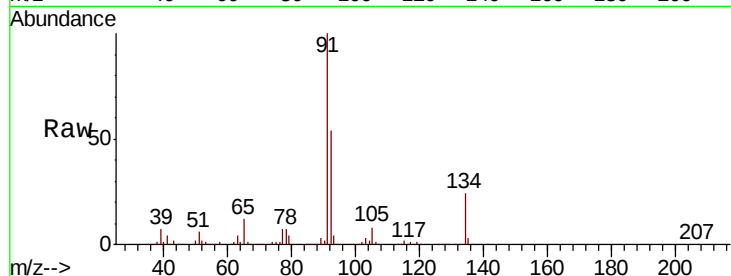
Tot Ion: 91 Resp: 228168

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

134 24.2 12.2 36.4



#90

Hexachloroethane

Concen: 19.715 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011469.D

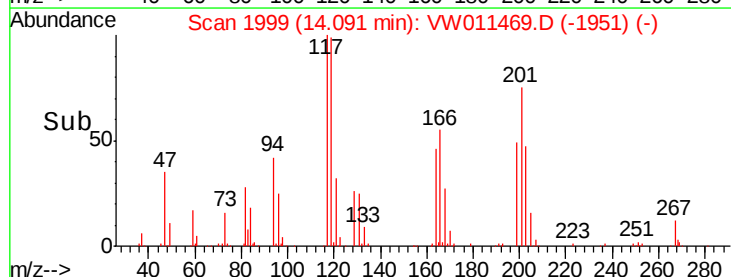
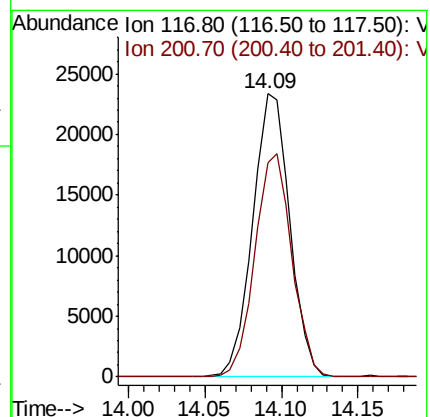
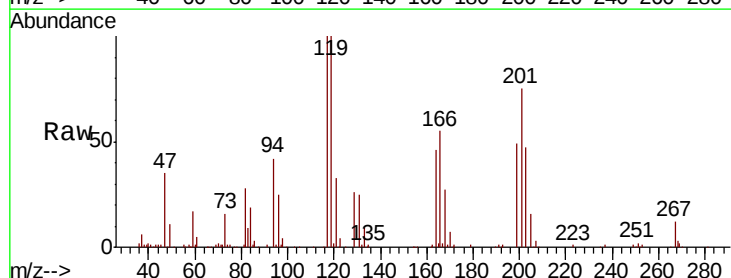
Acq: 24 Jul 2019 12:40

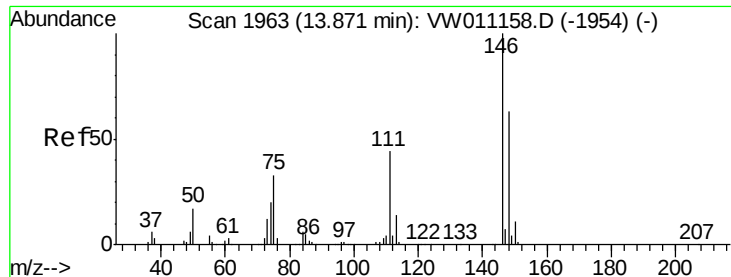
Tgt Ion: 117 Resp: 39502

Ion Ratio Lower Upper

117 100

201 78.4 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 20.667 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

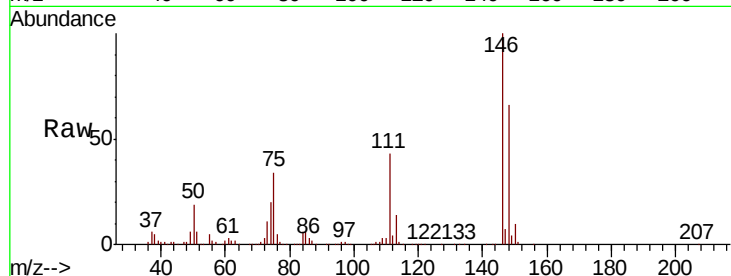
Tot Ion:146 Resp: 96804

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

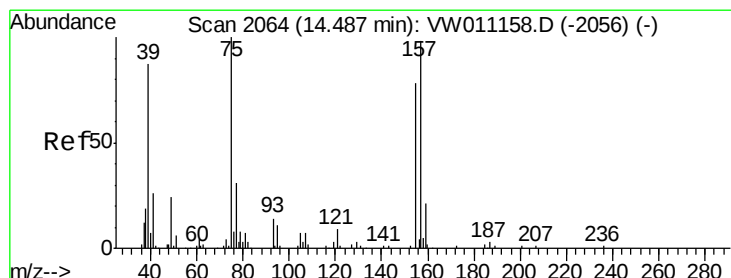
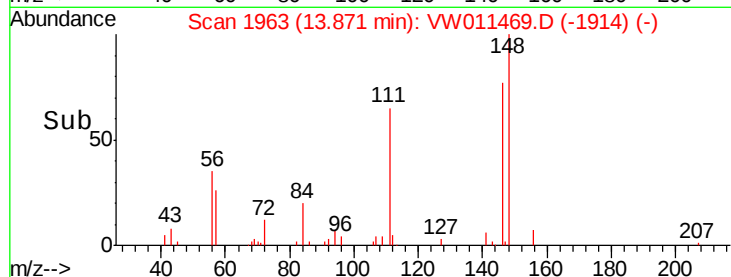
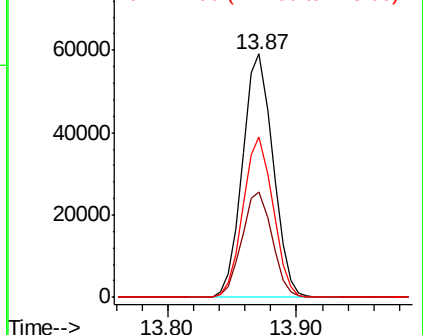
148 64.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.626 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011469.D

Acq: 24 Jul 2019 12:40

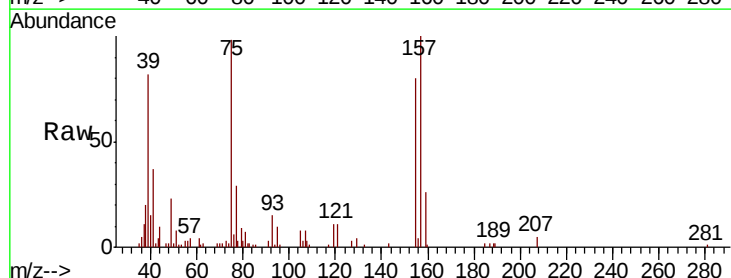
Tgt Ion: 75 Resp: 8098

Ion Ratio Lower Upper

75 100

155 79.0 37.1 111.3

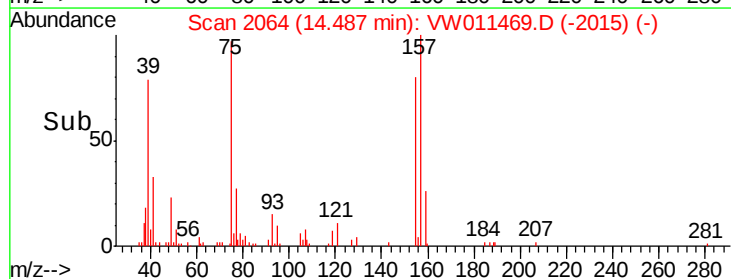
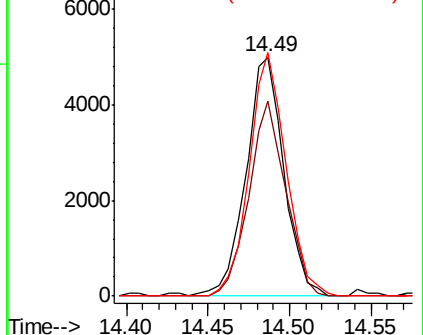
157 98.9 48.5 145.6

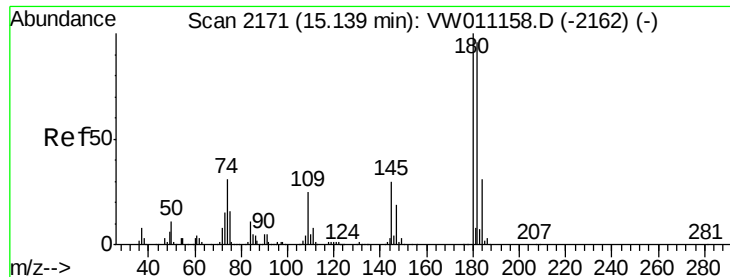


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

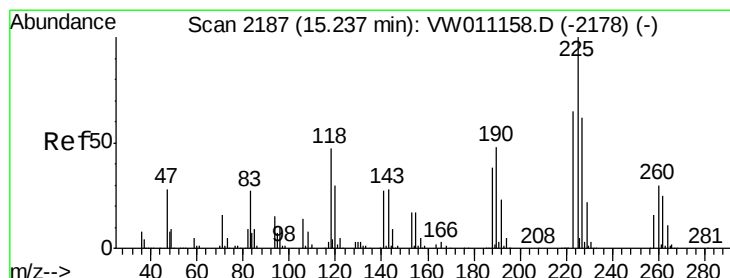
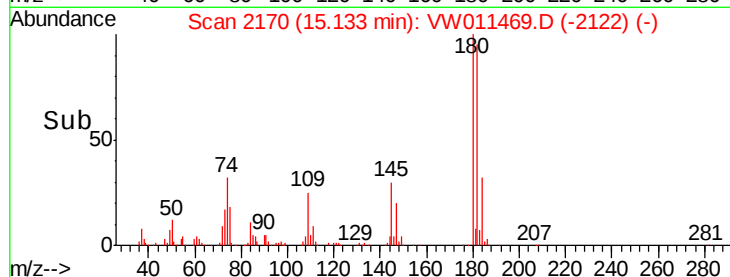
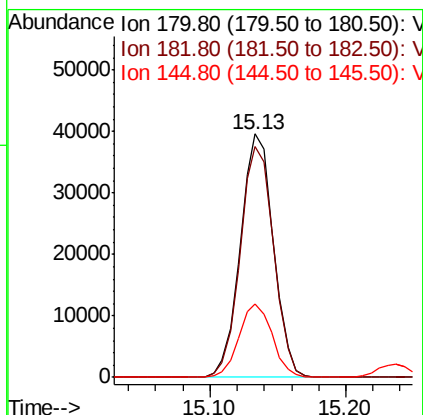
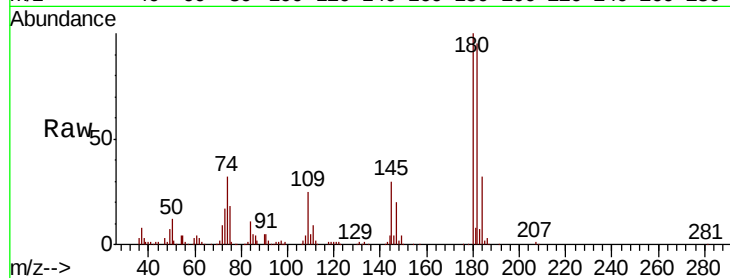




#93
 1,2,4-Trichlorobenzene
 Concen: 20.801 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

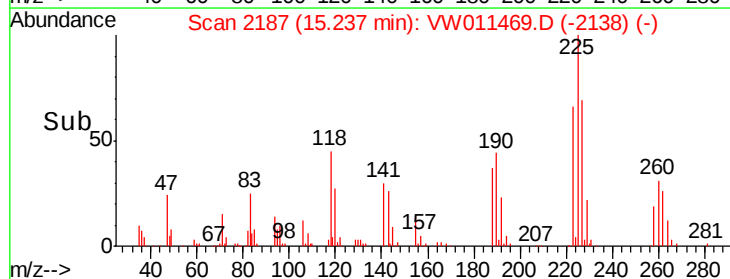
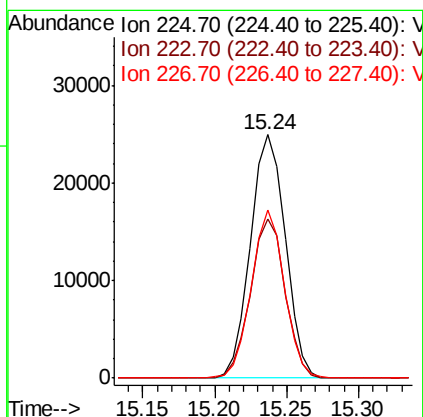
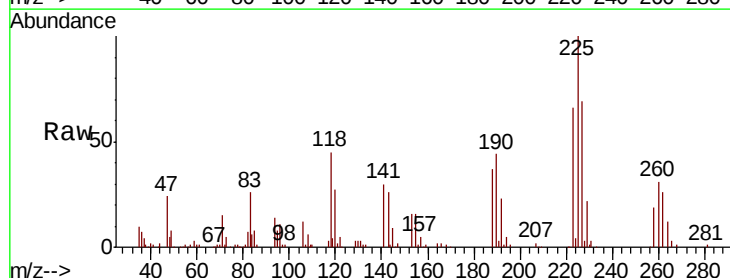
Instrument :
 MSVOA_W
 ClientSampleId :

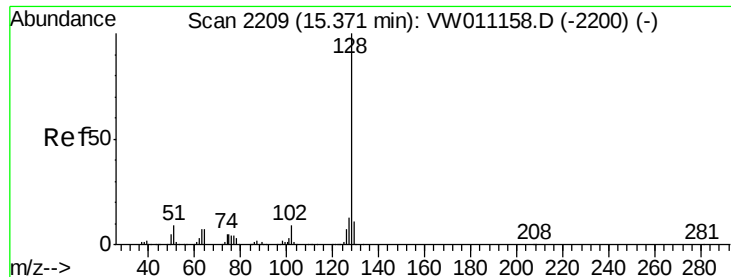
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.3	144.9
145	30.3	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 21.049 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011469.D
 Acq: 24 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.6	95.0
227	65.4	32.0	96.0

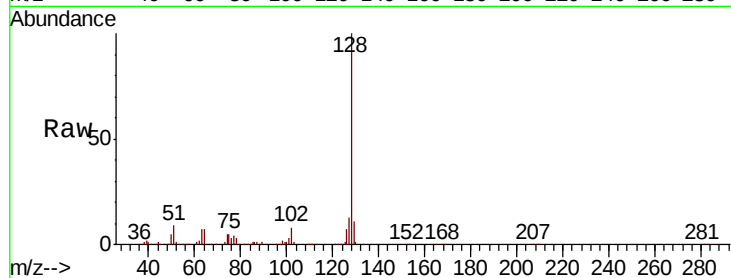




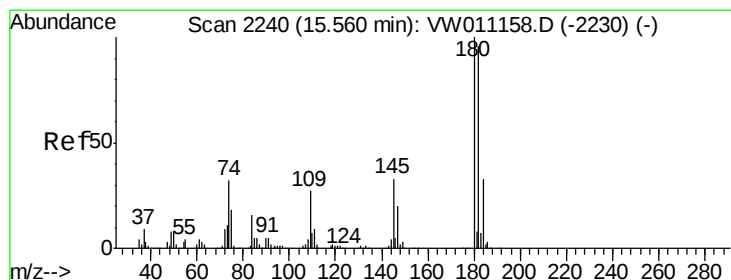
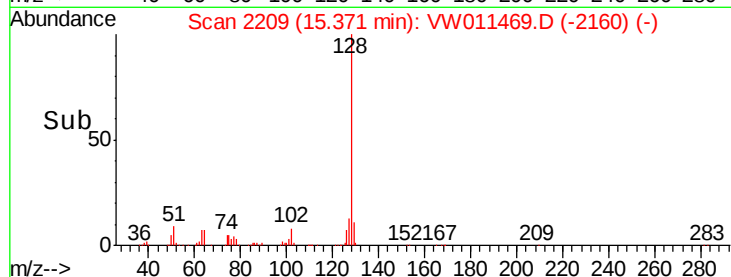
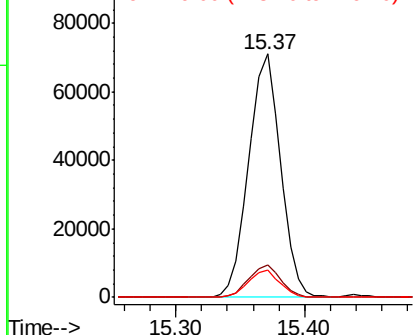
#95
Naphthalene
Concen: 19.678 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 121655
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.7 13.1

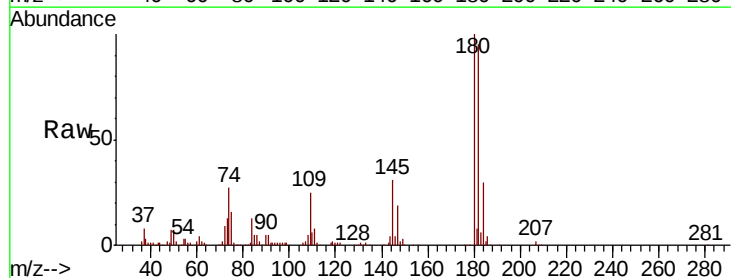


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.614 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011469.D
Acq: 24 Jul 2019 12:40

Tgt Ion:180 Resp: 58694
Ion Ratio Lower Upper
180 100
182 93.8 47.6 142.8
145 31.7 16.5 49.5



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

