

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013327.D
 Acq On : 30 Sep 2019 12:42
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	133100	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	7.88	113	132221	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.32	98	549364	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	188427	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	35504	18.806	ug/l	94
3) Chloromethane	2.21	50	44449	18.315	ug/l	98
4) Vinyl Chloride	2.36	62	60629	19.378	ug/l	99
5) Bromomethane	2.75	94	38891	19.615	ug/l	97
6) Chloroethane	2.91	64	35175	19.073	ug/l	99
7) Trichlorofluoromethane	3.25	101	32237	17.868	ug/l	94
8) Diethyl Ether	3.68	74	30274	19.646	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58795	20.017	ug/l	98
10) Methyl Iodide	4.26	142	87187	19.145	ug/l	98
11) Tert butyl alcohol	5.17	59	33648	171.825	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	58309	19.171	ug/l	95
13) Acrolein	3.89	56	14418	93.764	ug/l	97
14) Allyl chloride	4.65	41	94453	19.512	ug/l	99
15) Acrylonitrile	5.36	53	71678	107.765	ug/l	98
16) Acetone	4.12	43	64981	107.873	ug/l	91
17) Carbon Disulfide	4.38	76	169938	19.330	ug/l	99
18) Methyl Acetate	4.66	43	35871	21.184	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	92946	19.939	ug/l	99
20) Methylene Chloride	4.92	84	69576	20.893	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	65090	19.800	ug/l	99
22) Diisopropyl ether	6.31	45	179880	19.541	ug/l	95
23) Vinyl Acetate	6.25	43	547702	100.295	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107626	19.376	ug/l	98
25) 2-Butanone	7.17	43	95445	105.548	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71408	19.450	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68732	19.811	ug/l	99
28) Bromochloromethane	7.51	49	35795	16.791	ug/l #	100
29) Tetrahydrofuran	7.52	42	59041	106.464	ug/l	98
30) Chloroform	7.67	83	104604	19.235	ug/l	100
31) Cyclohexane	7.95	56	112636	19.453	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	86767	19.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90059	19.875	ug/l	99
37) Ethyl Acetate	7.25	43	42965	22.310	ug/l	97
38) Carbon Tetrachloride	8.06	117	82190	20.234	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115535	19.840	ug/l	97
40) Benzene	8.32	78	255123	20.185	ug/l	98
41) Methacrylonitrile	7.48	41	24290	21.133	ug/l	98
42) 1,2-Dichloroethane	8.40	62	67229	19.787	ug/l	97
43) Isopropyl Acetate	8.42	43	75414	20.432	ug/l	99
44) Trichloroethene	9.09	130	71577	20.184	ug/l	91
45) 1,2-Dichloropropane	9.37	63	60928	19.745	ug/l	95
46) Dibromomethane	9.46	93	30676	20.476	ug/l	97
47) Bromodichloromethane	9.64	83	75224	19.733	ug/l	97
48) Methyl methacrylate	9.43	41	37253	21.464	ug/l	96
49) 1,4-Dioxane	9.45	88	10679	474.877	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	193779	104.724	ug/l	98
52) Toluene	10.39	92	165429	20.422	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78334	20.001	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95366	20.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45763	20.437	ug/l	97
56) Ethyl methacrylate	10.65	69	61263	20.905	ug/l	97
57) 1,3-Dichloropropane	10.93	76	80057	20.488	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	137170	101.107	ug/l	99
59) 2-Hexanone	10.97	43	134867	105.940	ug/l	100
60) Dibromochloromethane	11.13	129	52926	20.816	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42541	19.981	ug/l	96
64) Tetrachloroethene	10.86	164	62173	20.814	ug/l	98
65) Chlorobenzene	11.66	112	169047	20.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58358	20.778	ug/l	98
67) Ethyl Benzene	11.73	91	311641	20.921	ug/l	99
68) m/p-Xylenes	11.84	106	236201	41.612	ug/l	99
69) o-Xylene	12.16	106	109360	20.722	ug/l	96
70) Styrene	12.18	104	189115	20.873	ug/l	99
71) Bromoform	12.35	173	31754	21.400	ug/l #	100
73) Isopropylbenzene	12.46	105	304032	20.010	ug/l	100
74) N-amyl acetate	12.27	43	67192	19.929	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	52607	20.702	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67092	36.935	ug/l #	100
77) Bromobenzene	12.74	156	71793	19.939	ug/l	98
78) n-propylbenzene	12.80	91	356377	20.038	ug/l	99
79) 2-Chlorotoluene	12.89	91	197490	19.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	256589	20.089	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17821	22.014	ug/l	96
82) 4-Chlorotoluene	12.99	91	206304	19.634	ug/l	99
83) tert-Butylbenzene	13.21	119	225084	20.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	253892	19.976	ug/l	99
85) sec-Butylbenzene	13.38	105	311738	20.170	ug/l	100
86) p-Isopropyltoluene	13.50	119	291494	20.334	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140400	20.261	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	139305	20.497	ug/l	99
89) n-Butylbenzene	13.82	91	263187	20.107	ug/l	99
90) Hexachloroethane	14.10	117	49425	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122352	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8025	20.647	ug/l	92

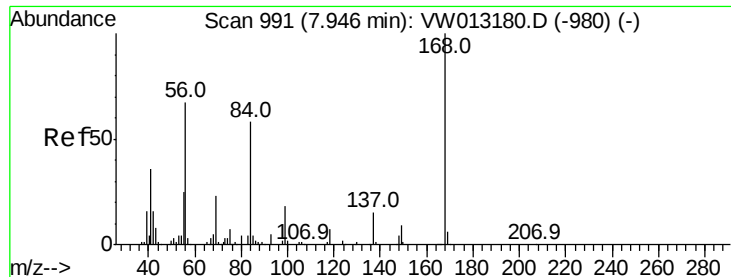
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88288	20.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	59943	20.396	ug/l	99
95) Naphthalene	15.36	128	146333	20.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	74593	20.095	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: VW013327.D

Acq: 30 Sep 2019 12:42

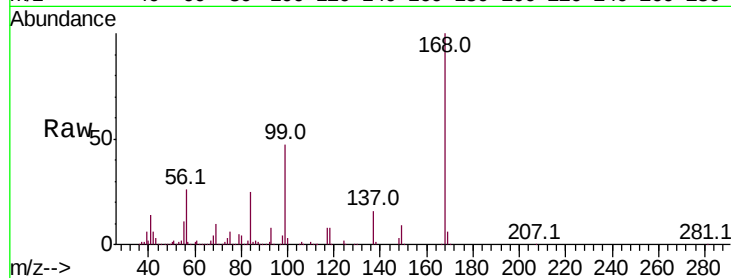
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 327294

Ion Ratio Lower Upper

168 100

99 47.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

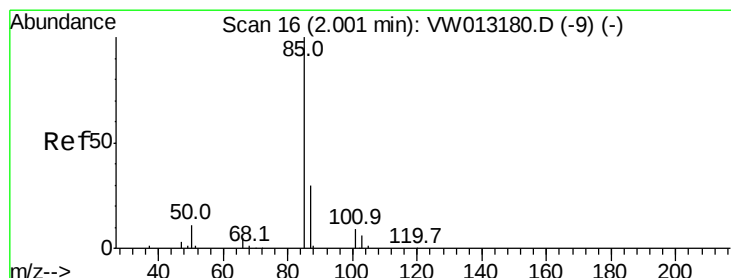
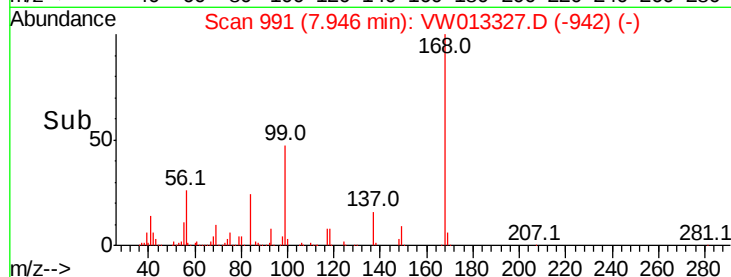
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.806 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013327.D

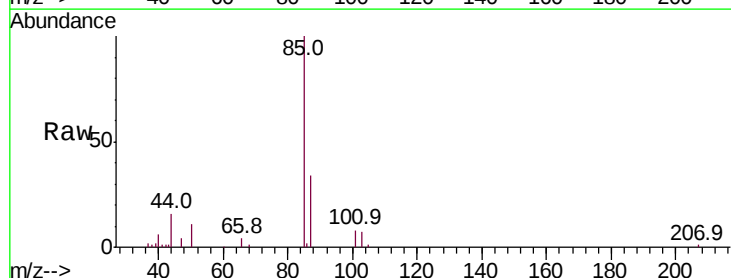
Acq: 30 Sep 2019 12:42

Tgt Ion: 85 Resp: 35504

Ion Ratio Lower Upper

85 100

87 33.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

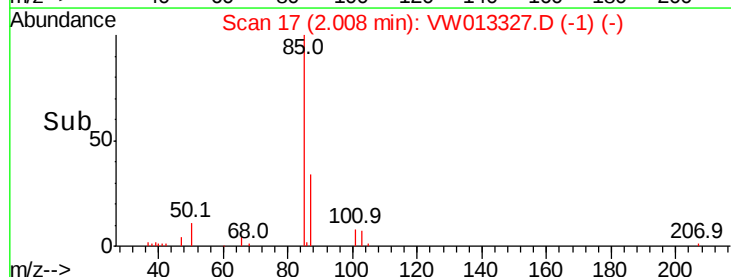
15000

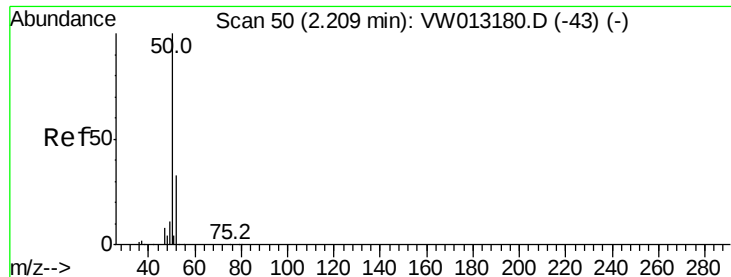
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.315 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

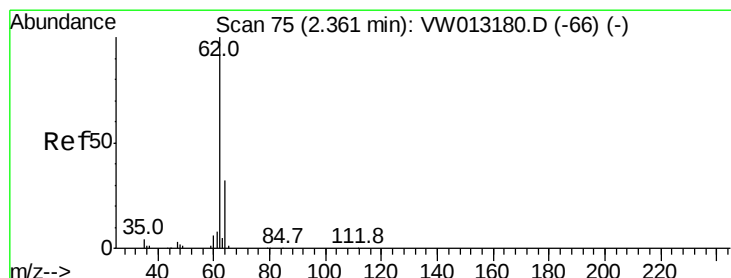
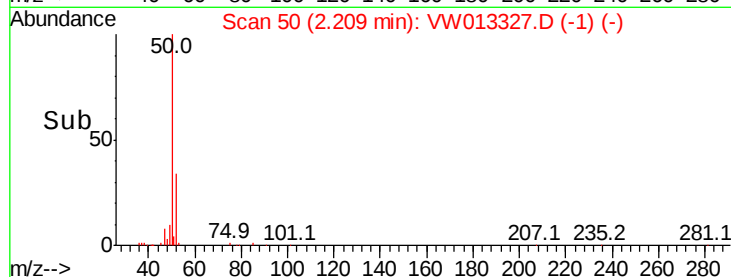
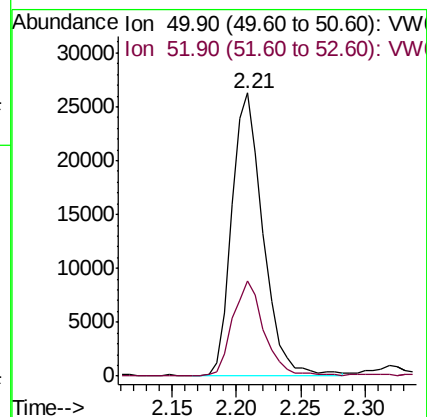
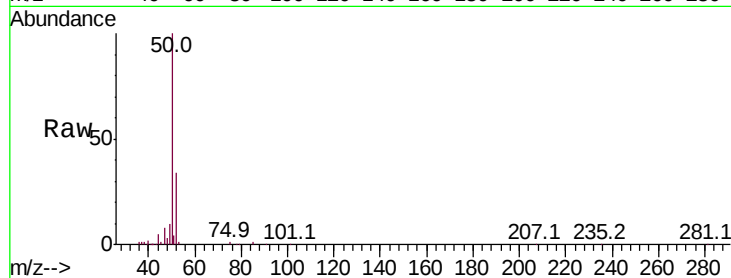
ClientSampled :

Tot Ion: 50 Resp: 44449

Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1



#4

Vinyl Chloride

Concen: 19.378 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013327.D

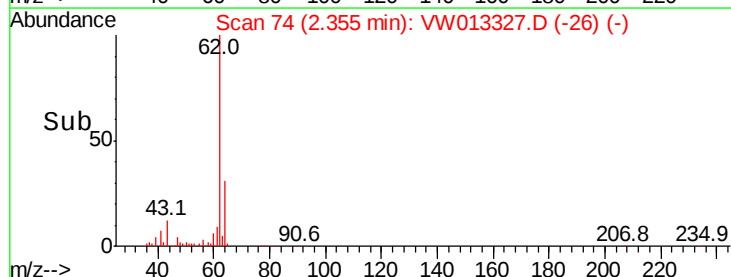
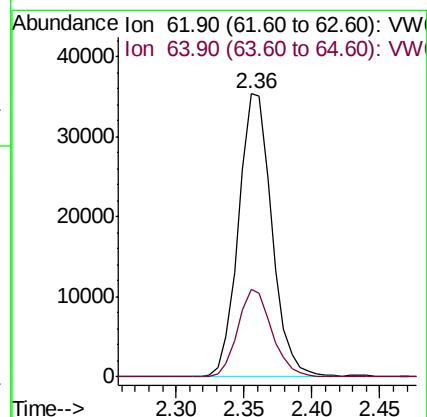
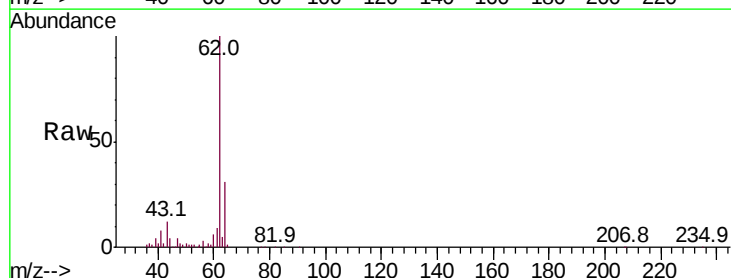
Acq: 30 Sep 2019 12:42

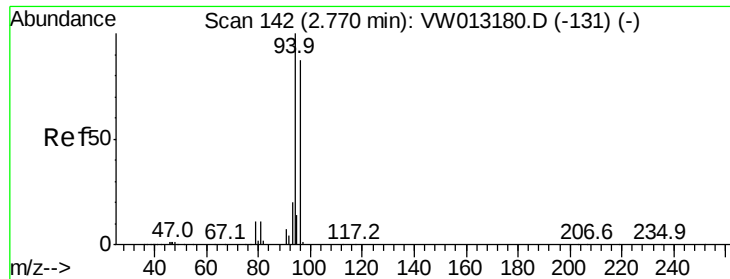
Tgt Ion: 62 Resp: 60629

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 19.615 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

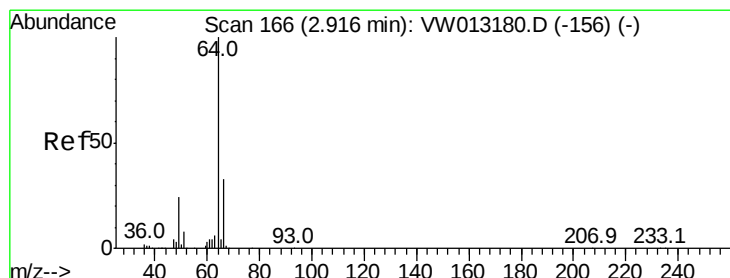
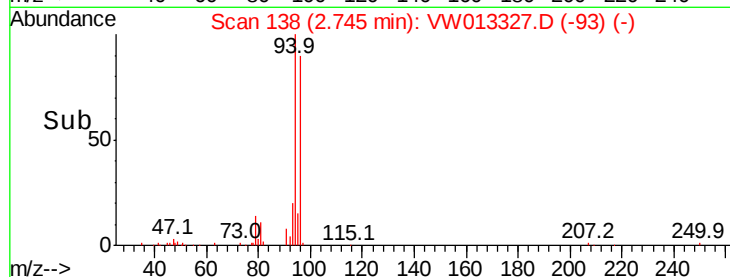
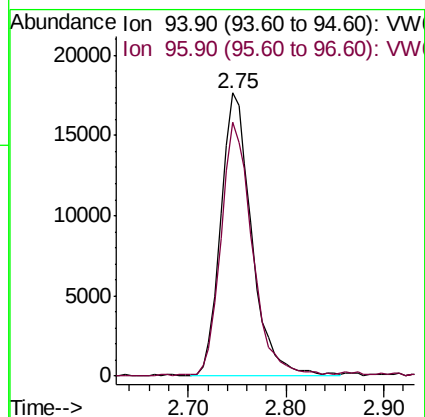
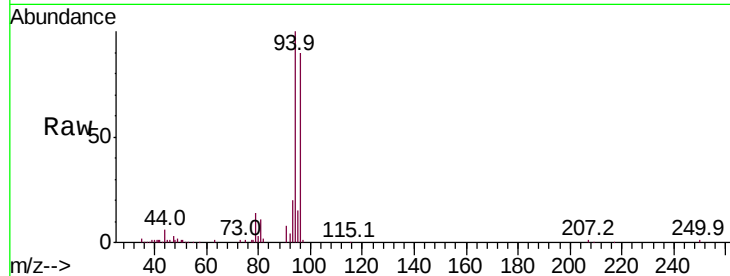
ClientSampleId :

Tot Ion: 94 Resp: 38891

Ion Ratio Lower Upper

94 100

96 89.4 69.7 104.5



#6

Chloroethane

Concen: 19.073 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013327.D

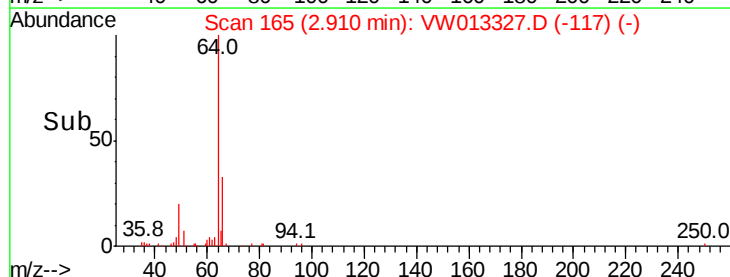
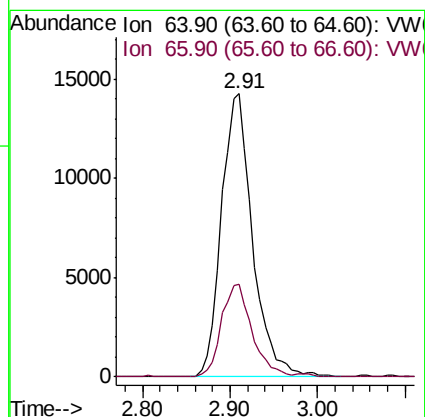
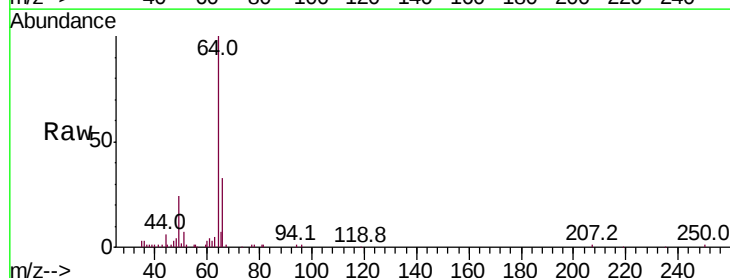
Acq: 30 Sep 2019 12:42

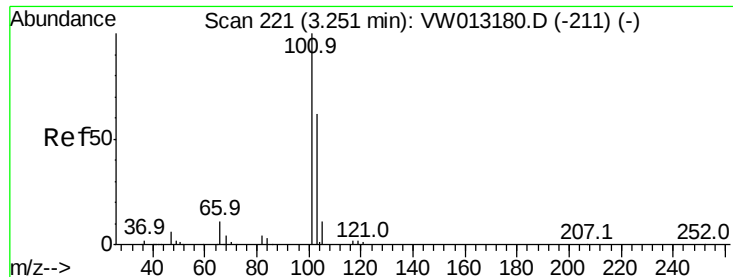
Tgt Ion: 64 Resp: 35175

Ion Ratio Lower Upper

64 100

66 32.6 26.6 39.8



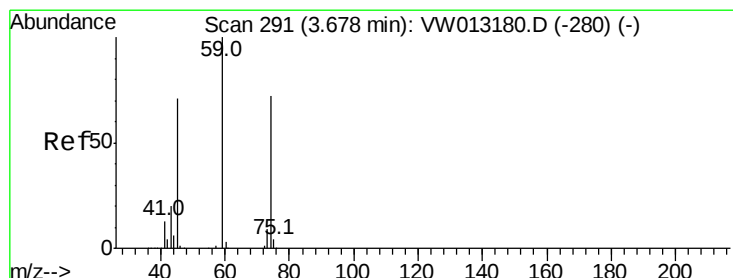
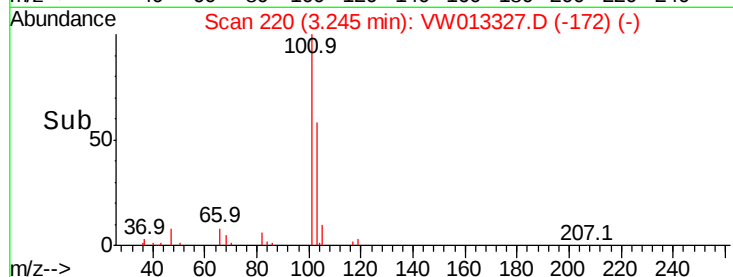
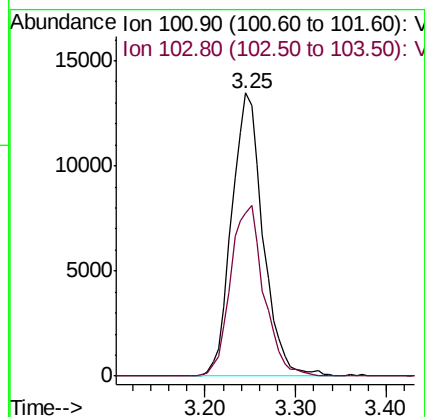
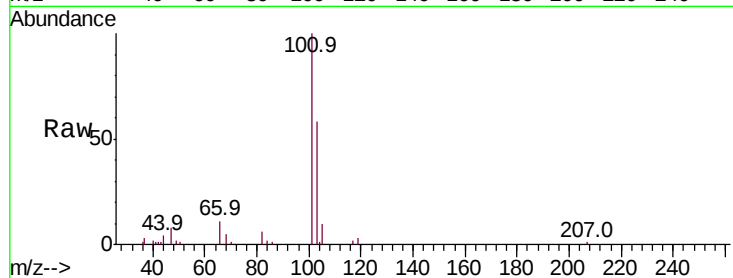


#7

Trichlorofluoromethane
 Concen: 17.868 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :

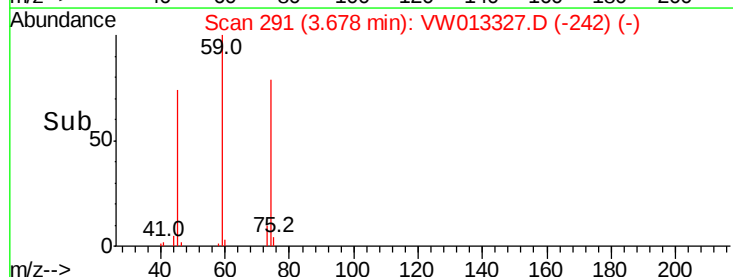
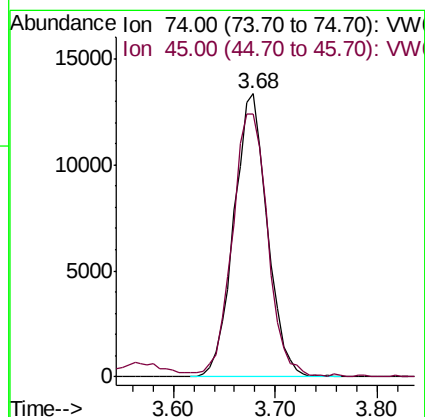
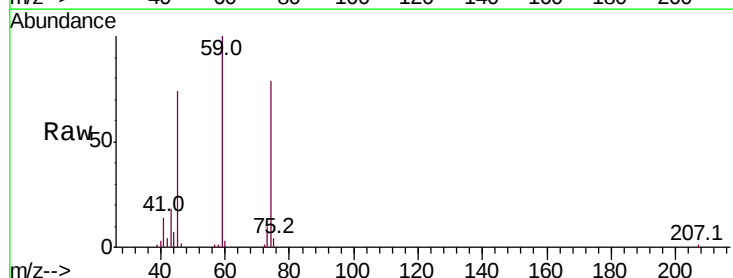
Tot Ion:101 Resp: 32237
 Ion Ratio Lower Upper
 101 100
 103 57.6 49.7 74.5

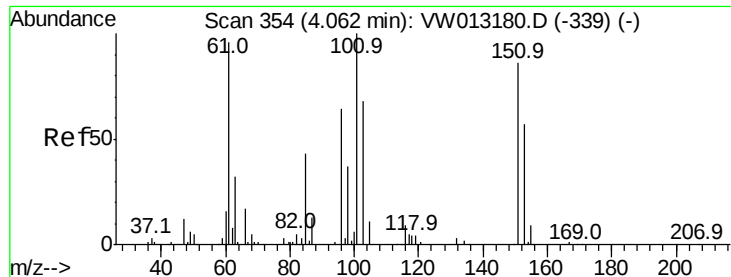


#8

Diethyl Ether
 Concen: 19.646 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 74 Resp: 30274
 Ion Ratio Lower Upper
 74 100
 45 99.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.017 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

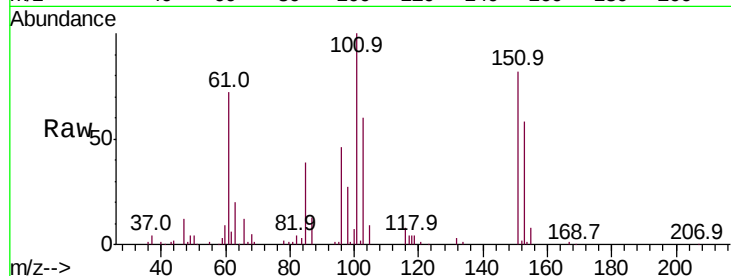
Tot Ion:101 Resp: 58795

Ion Ratio Lower Upper

101 100

85 40.4 33.4 50.0

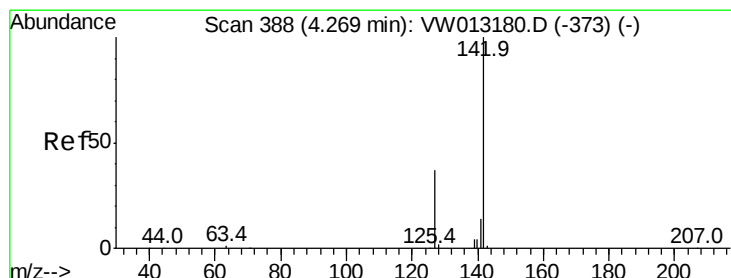
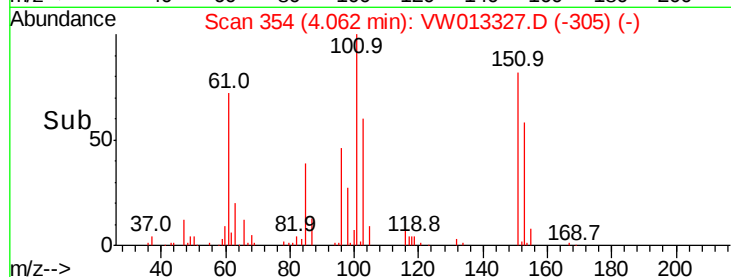
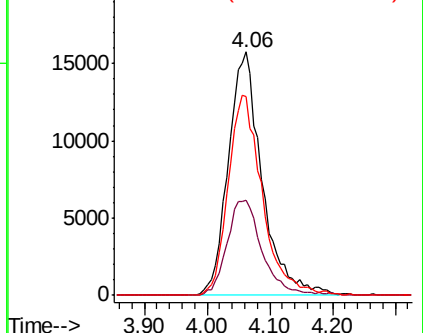
151 82.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.145 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

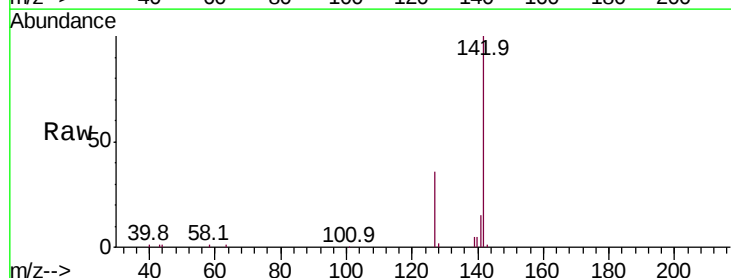
Tgt Ion:142 Resp: 87187

Ion Ratio Lower Upper

142 100

127 37.2 30.9 46.3

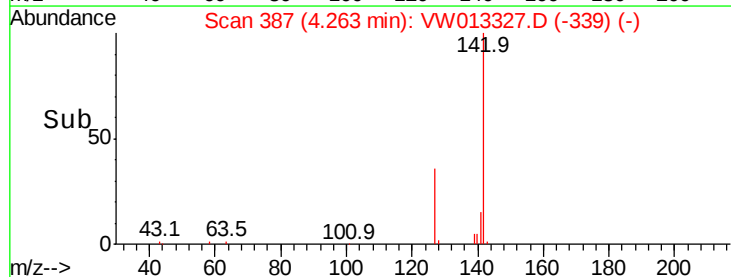
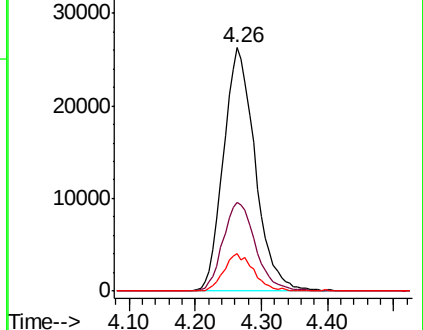
141 14.4 11.7 17.5

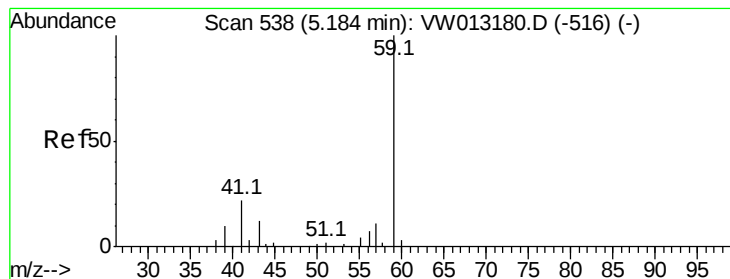


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 171.825 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

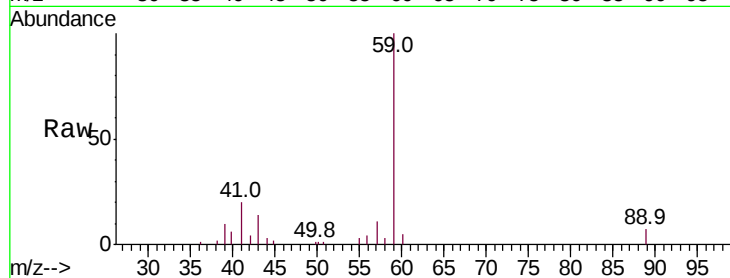
ClientSampleId :

Tot Ion: 59 Resp: 33648

Ion Ratio Lower Upper

59 100

57 2.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

6000

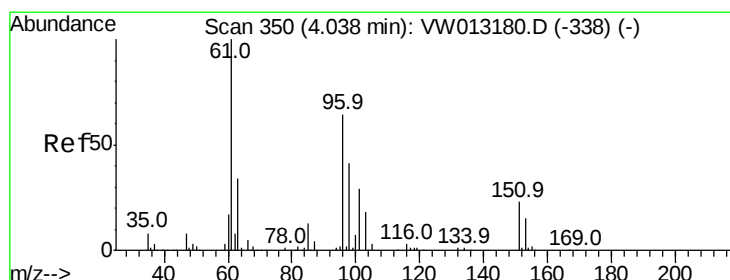
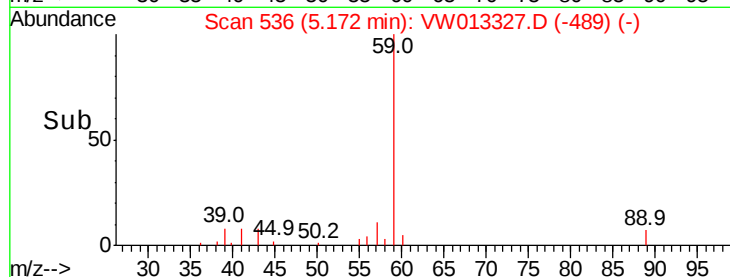
4000

2000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 19.171 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

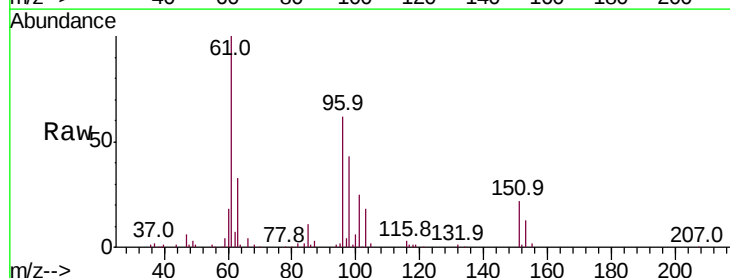
Tgt Ion: 96 Resp: 58309

Ion Ratio Lower Upper

96 100

61 162.5 125.1 187.7

98 69.3 50.8 76.2



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

40000

30000

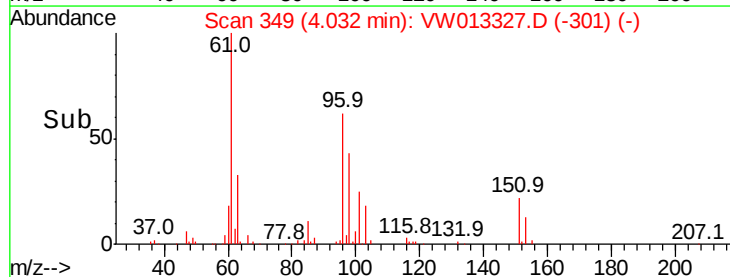
20000

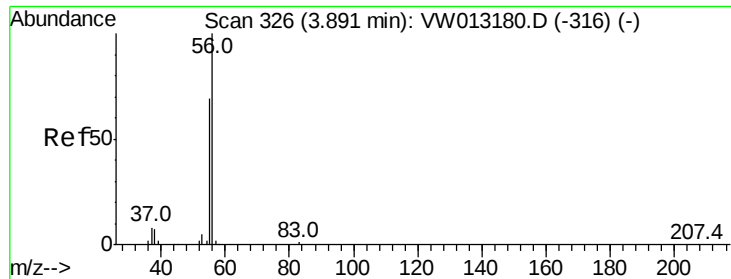
10000

0

Time-->

3.90 4.00 4.10





#13

Acrolein

Concen: 93.764 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

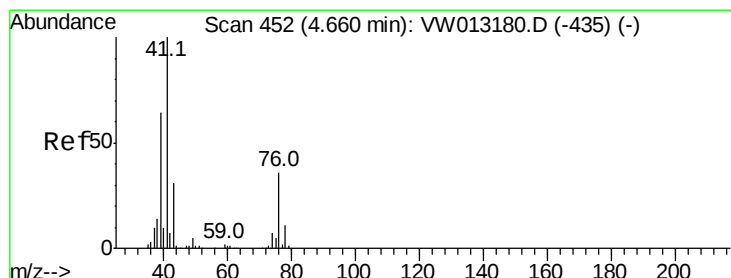
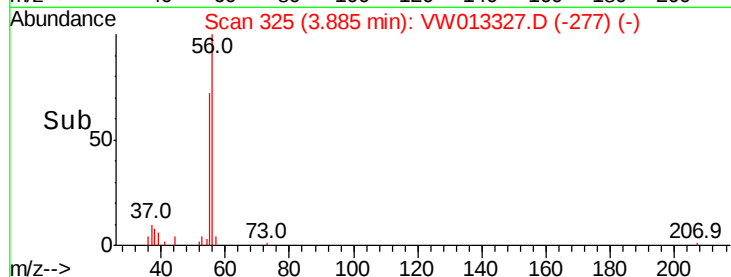
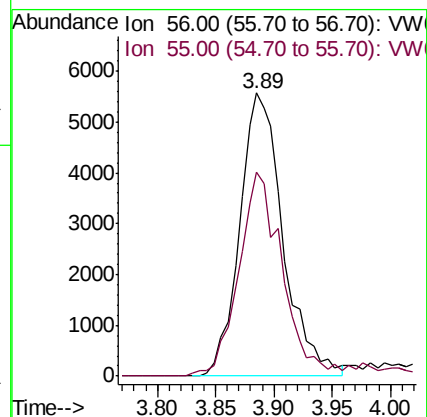
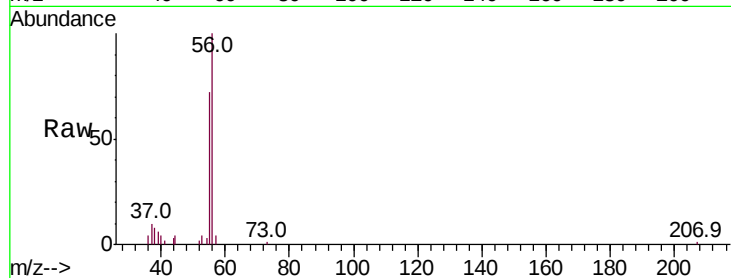
ClientSampleId :

Tot Ion: 56 Resp: 14418

Ion Ratio Lower Upper

56 100

55 72.0 55.4 83.0



#14

Allyl chloride

Concen: 19.512 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

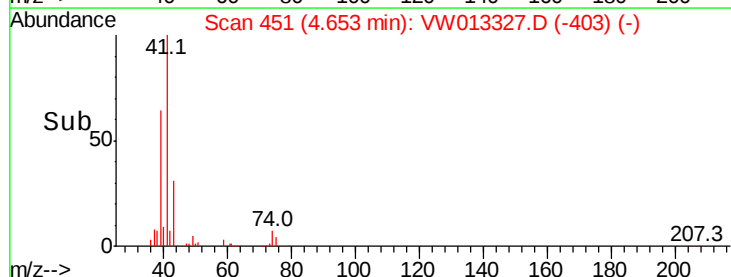
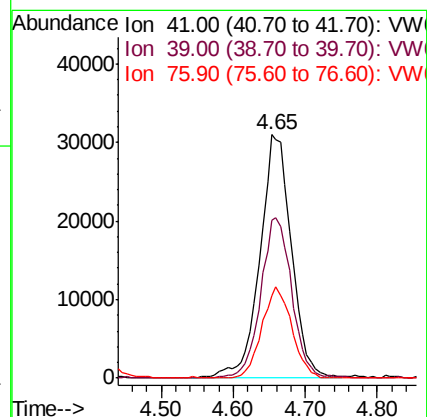
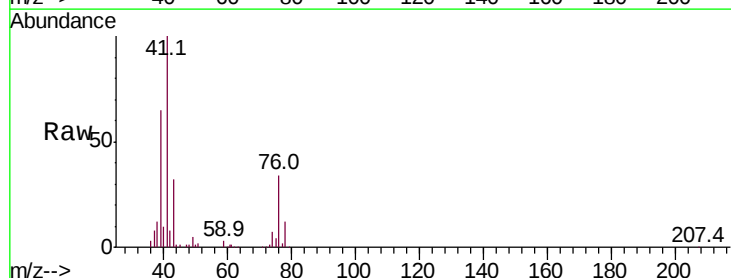
Tgt Ion: 41 Resp: 94453

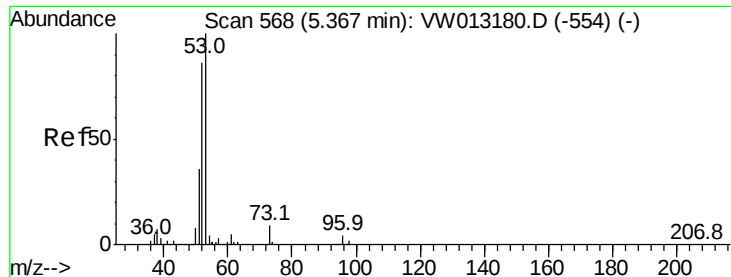
Ion Ratio Lower Upper

41 100

39 64.7 51.0 76.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 107.765 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

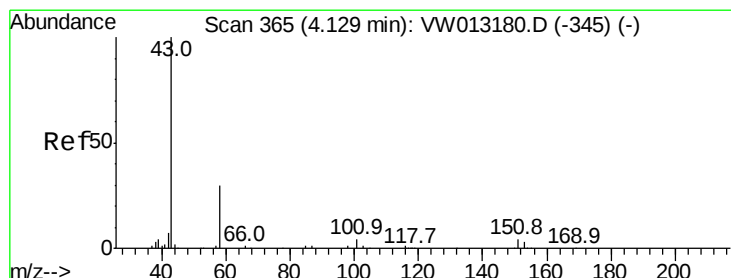
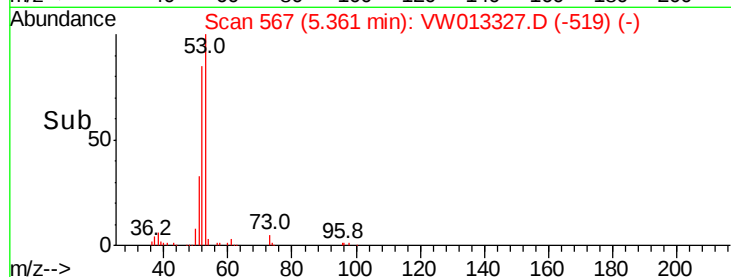
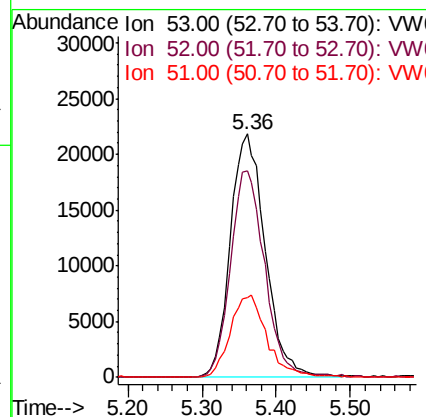
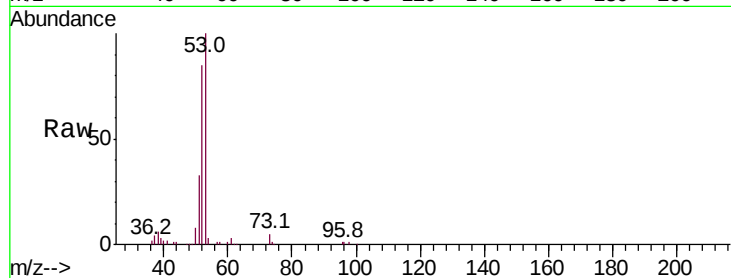
Tot Ion: 53 Resp: 71678

Ion Ratio Lower Upper

53 100

52 83.4 65.3 97.9

51 35.0 29.0 43.4



#16

Acetone

Concen: 107.873 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013327.D

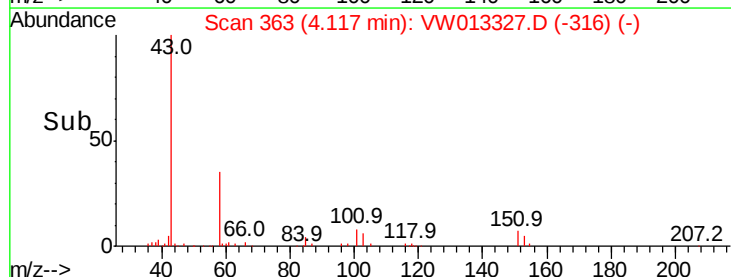
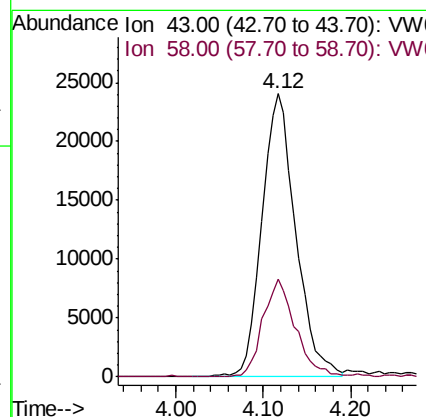
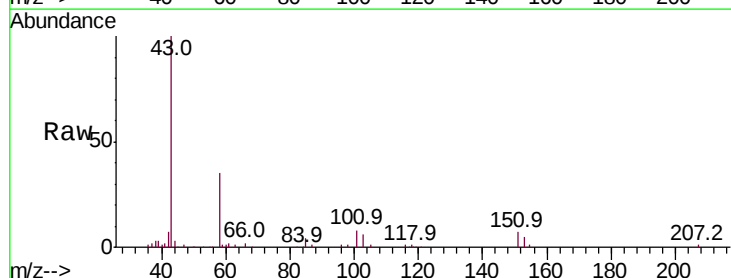
Acq: 30 Sep 2019 12:42

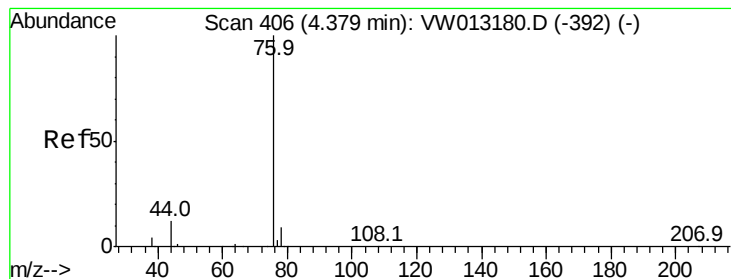
Tgt Ion: 43 Resp: 64981

Ion Ratio Lower Upper

43 100

58 35.1 24.1 36.1





#17

Carbon Disulfide

Concen: 19.330 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

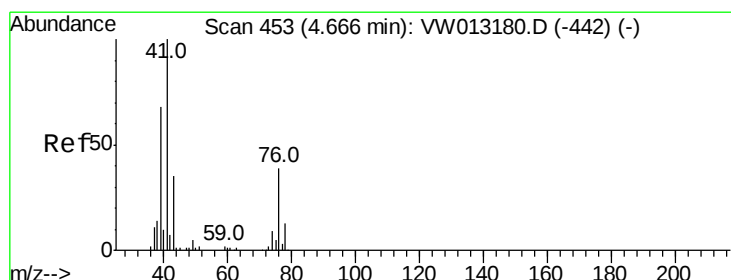
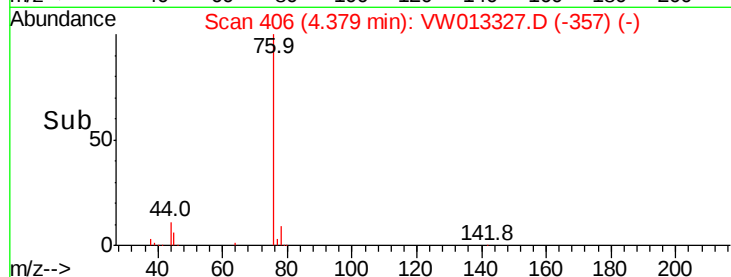
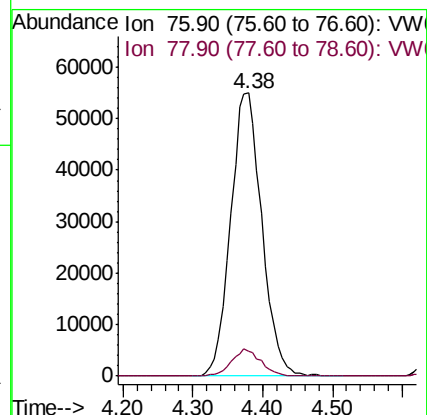
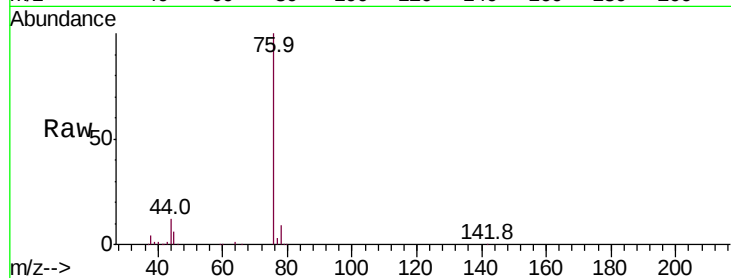
ClientSampled :

Tot Ion: 76 Resp: 169938

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 21.184 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013327.D

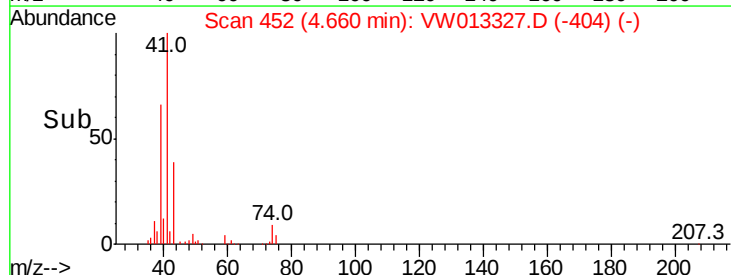
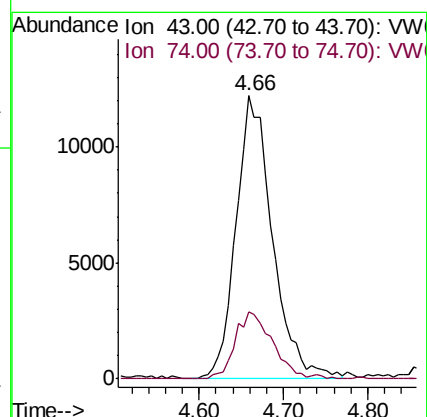
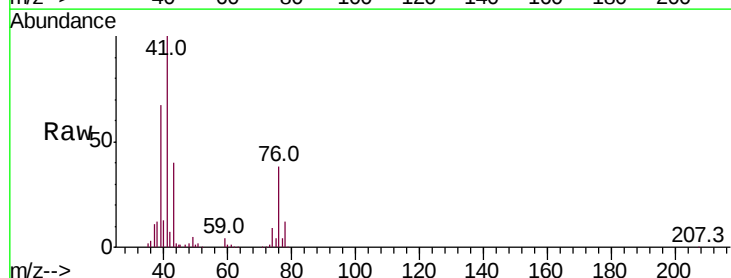
Acq: 30 Sep 2019 12:42

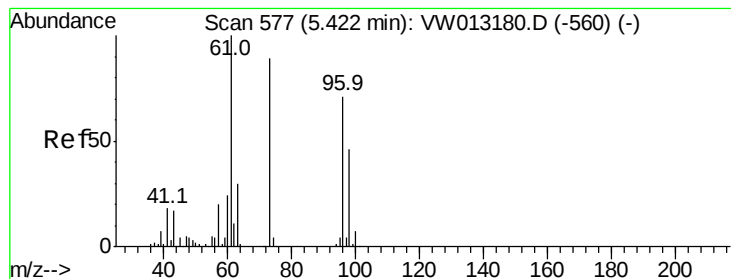
Tgt Ion: 43 Resp: 35871

Ion Ratio Lower Upper

43 100

74 23.9 19.3 28.9



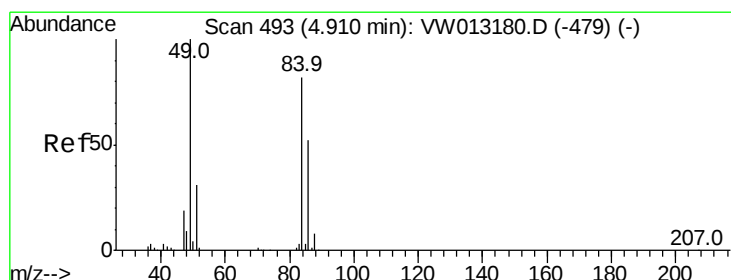
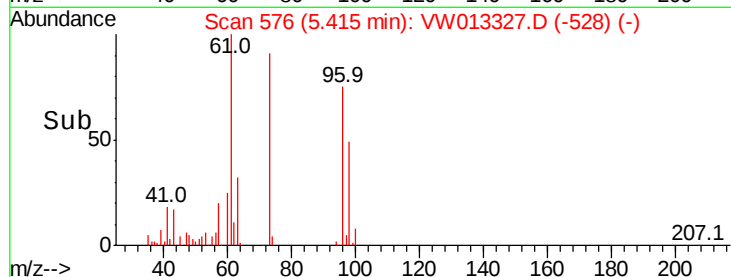
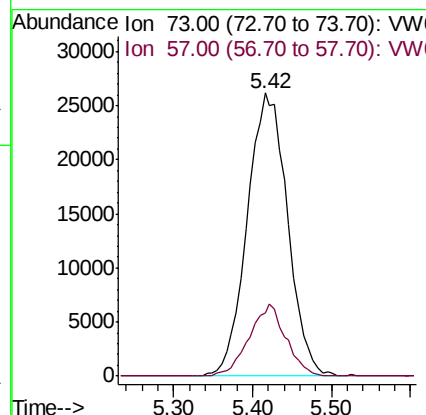
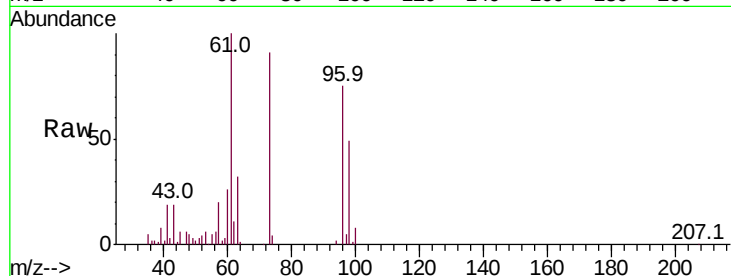


#19

Methyl tert-butyl Ether
 Concen: 19.939 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :

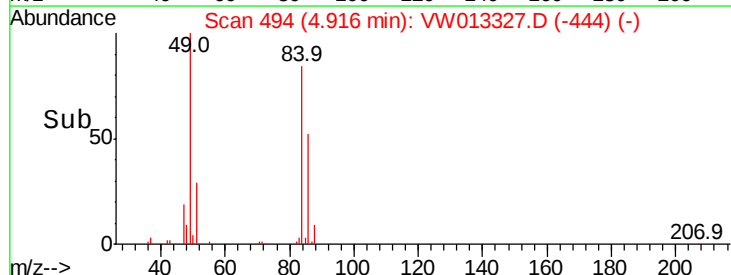
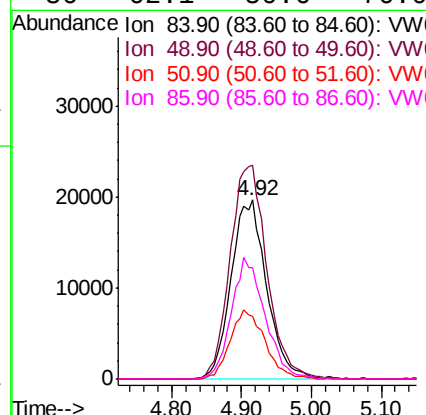
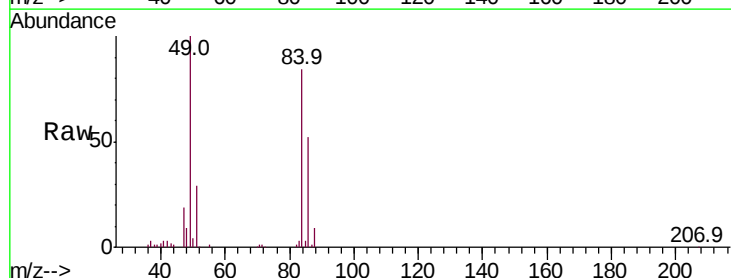
Tot Ion: 73 Resp: 92946
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

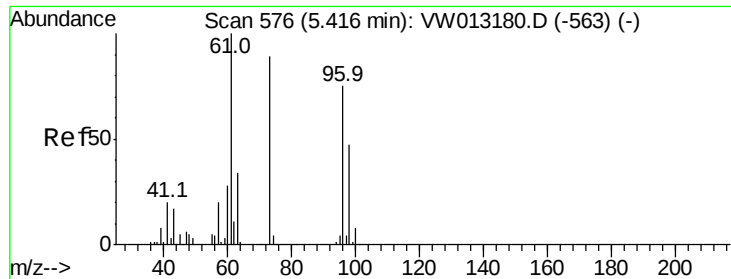


#20

Methylene Chloride
 Concen: 20.893 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 84 Resp: 69576
 Ion Ratio Lower Upper
 84 100
 49 119.4 97.6 146.4
 51 35.1 30.2 45.2
 86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.800 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

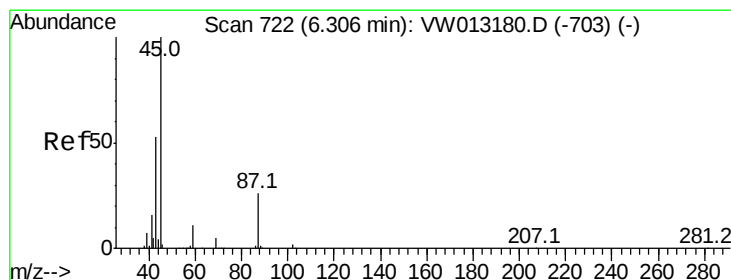
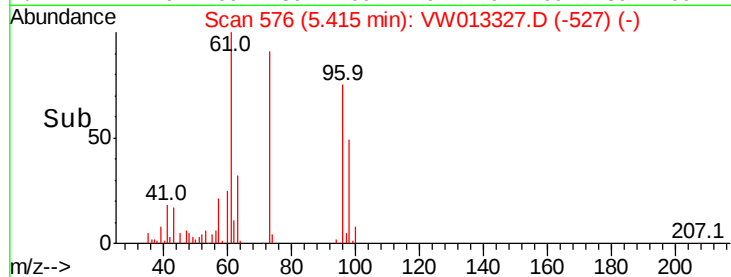
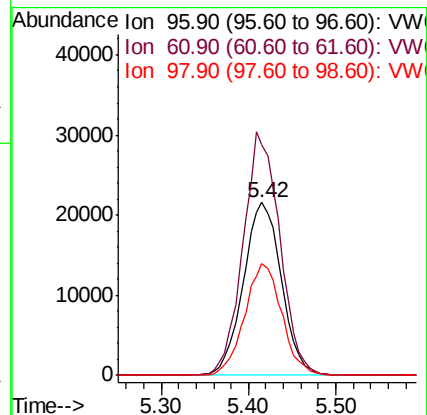
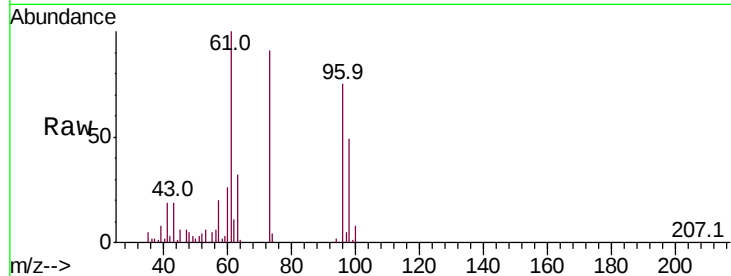
Tot Ion: 96 Resp: 65090

Ion Ratio Lower Upper

96 100

61 133.7 106.6 159.8

98 65.0 49.8 74.8



#22

Diisopropyl ether

Concen: 19.541 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion: 45 Resp: 179880

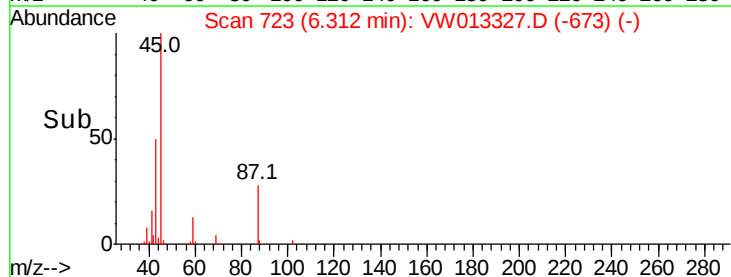
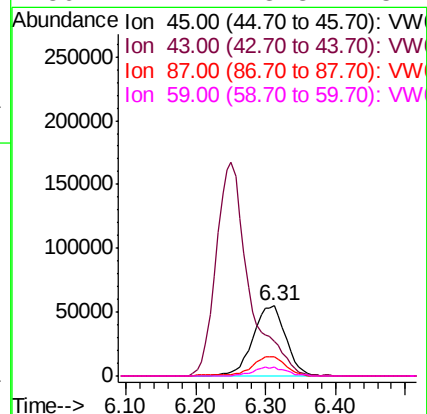
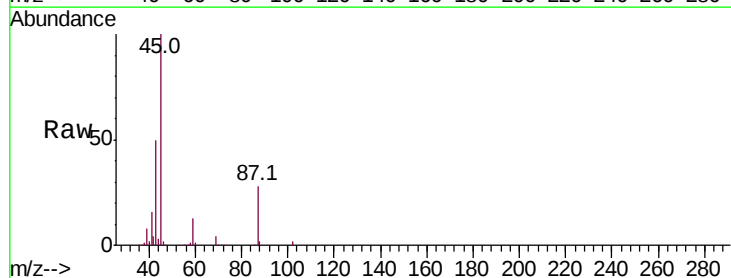
Ion Ratio Lower Upper

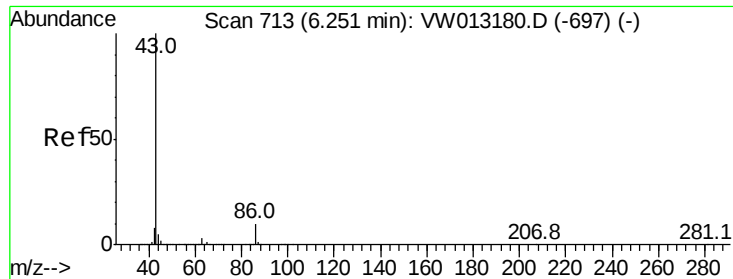
45 100

43 49.2 42.4 63.6

87 27.9 20.4 30.6

59 12.7 8.8 13.2

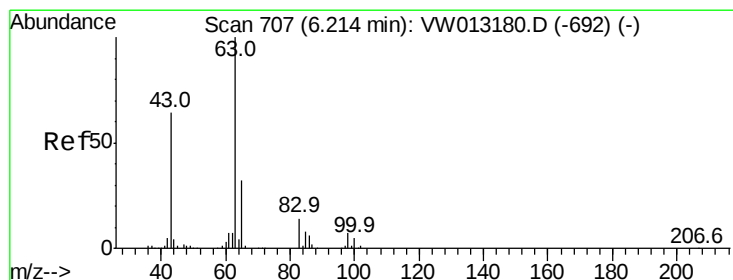
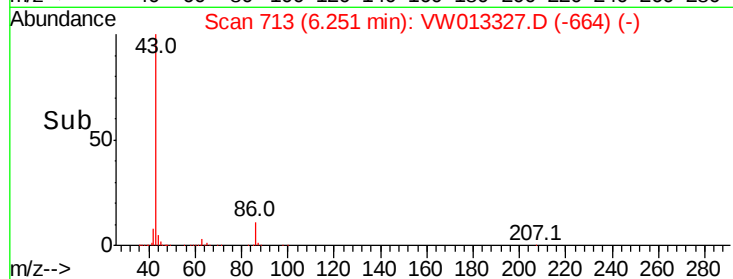
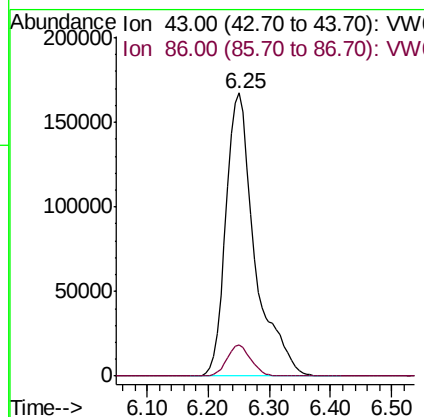
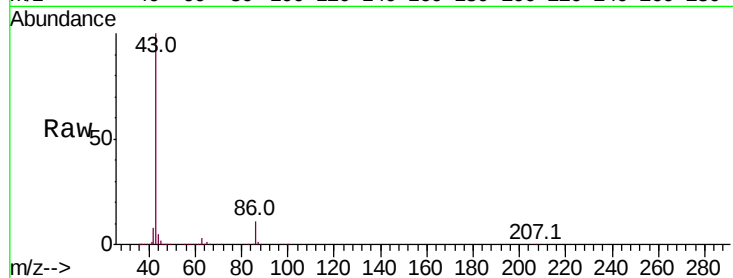




#23
 Vinyl Acetate
 Concen: 100.295 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

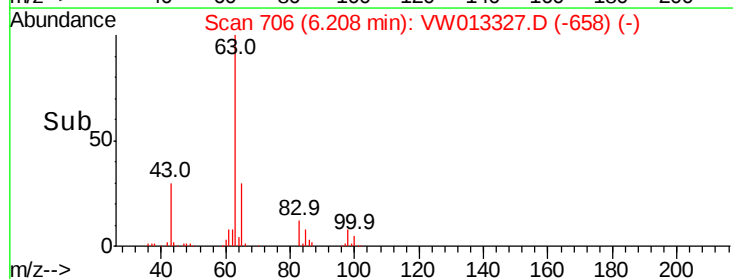
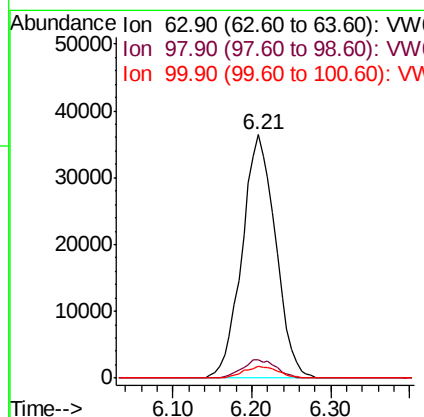
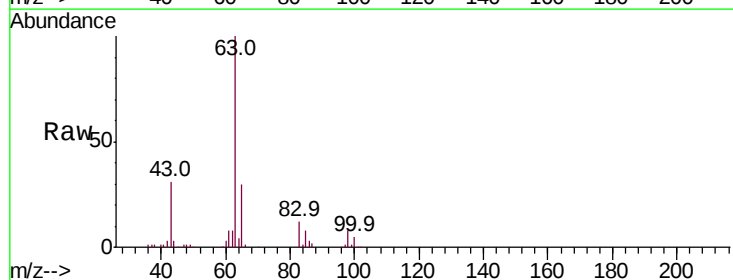
Instrument :
 MSVOA_W
 ClientSampleId :

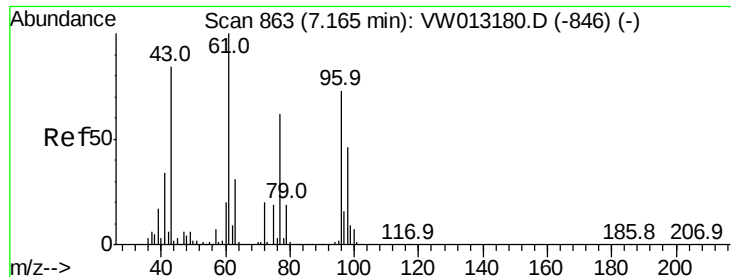
Tot Ion: 43 Resp: 547702
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 19.376 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 63 Resp: 107626
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.5
 100 4.9 2.4 7.1





#25

2-Butanone

Concen: 105.548 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

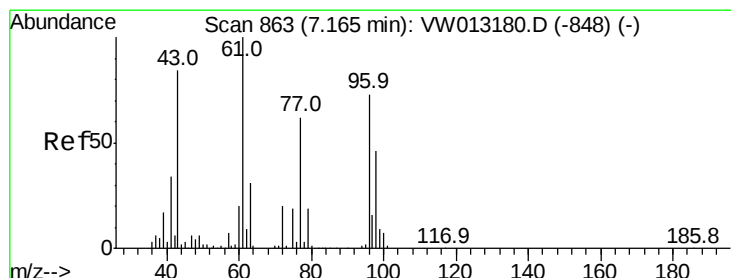
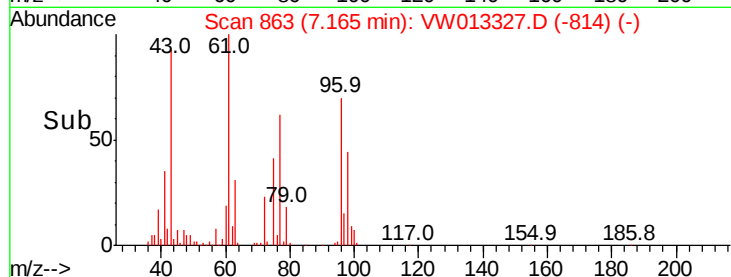
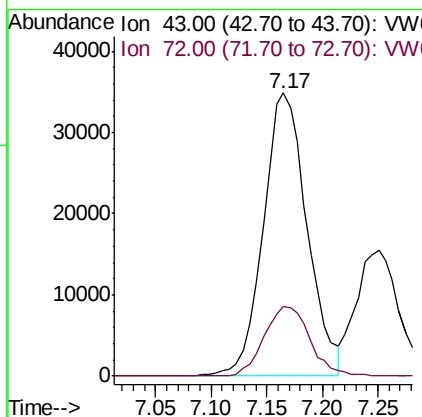
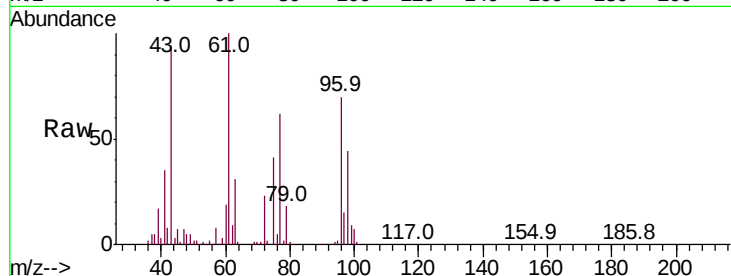
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 95445

Ion Ratio Lower Upper

43 100

72 24.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.450 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013327.D

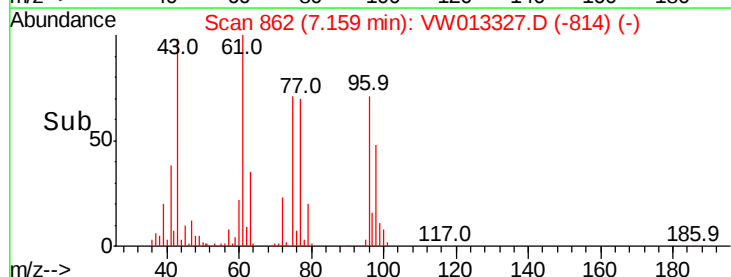
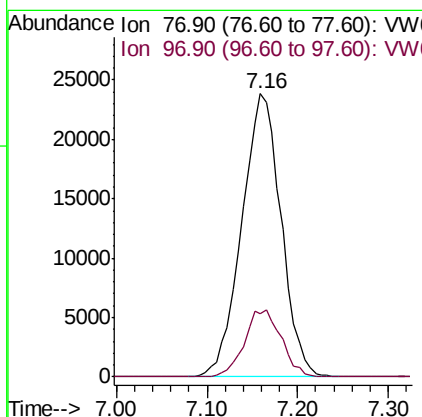
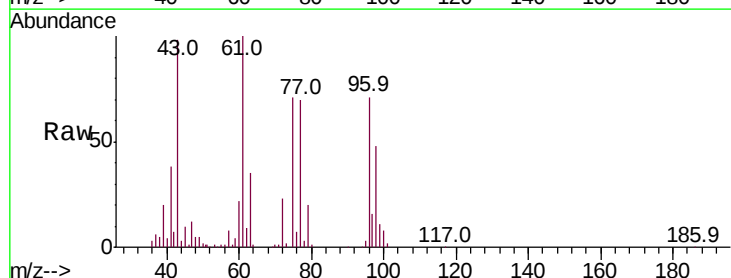
Acq: 30 Sep 2019 12:42

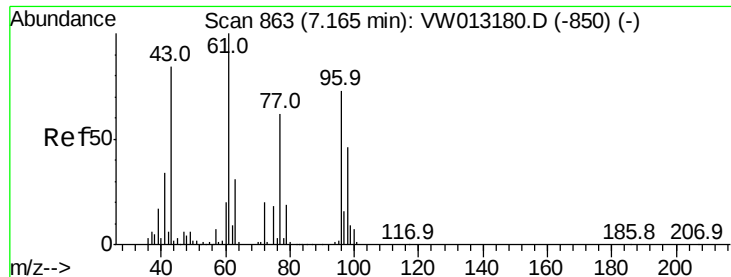
Tgt Ion: 77 Resp: 71408

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4



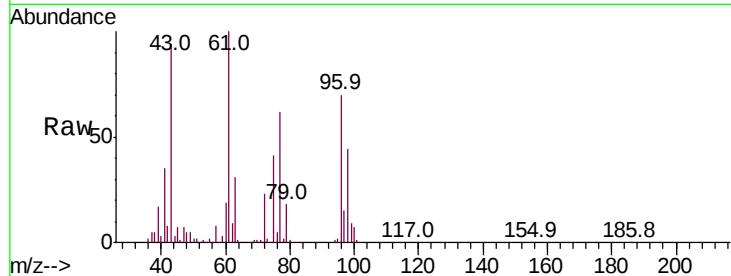


#27

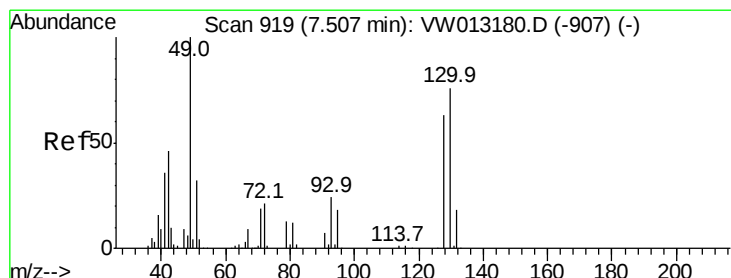
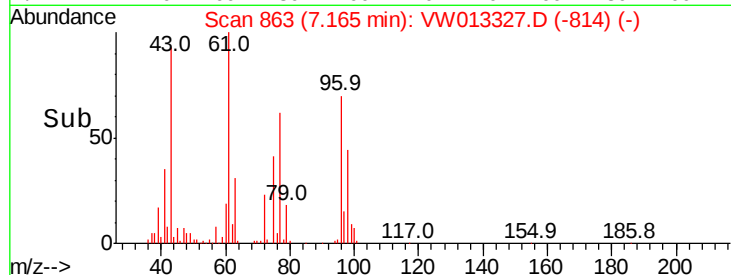
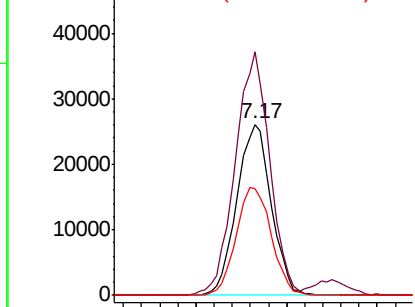
cis-1,2-Dichloroethene
Concen: 19.811 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 68732
Ion Ratio Lower Upper
96 100
61 142.4 0.0 282.4
98 64.4 0.0 128.2



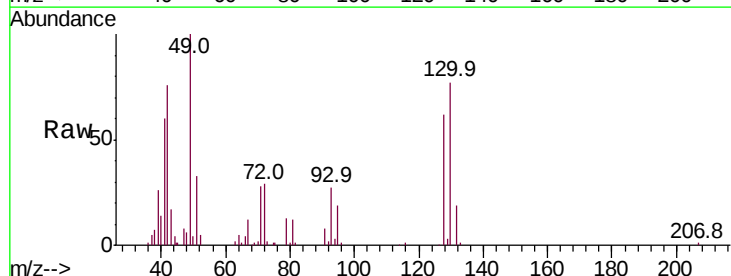
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



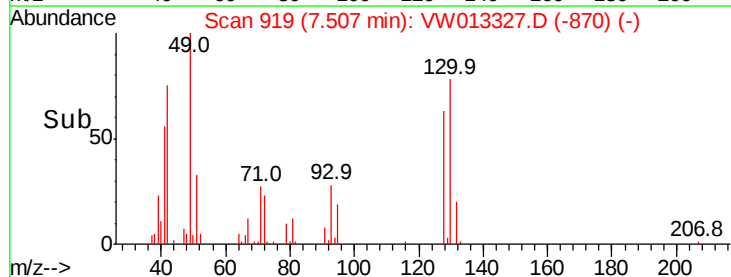
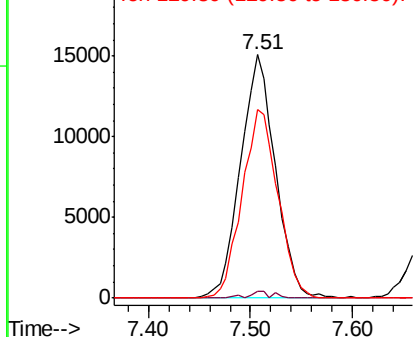
#28

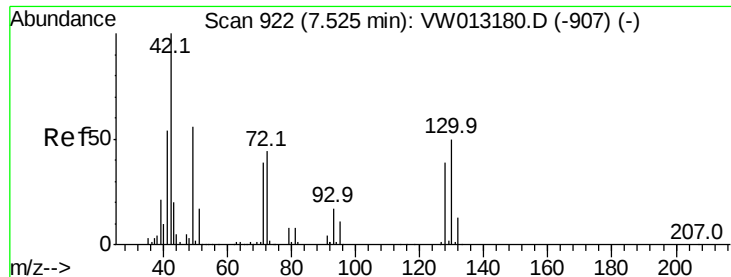
Bromochloromethane
Concen: 16.791 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 49 Resp: 35795
Ion Ratio Lower Upper
49 100
129 1.9 0.0 1.0#
130 79.7 63.4 95.2



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

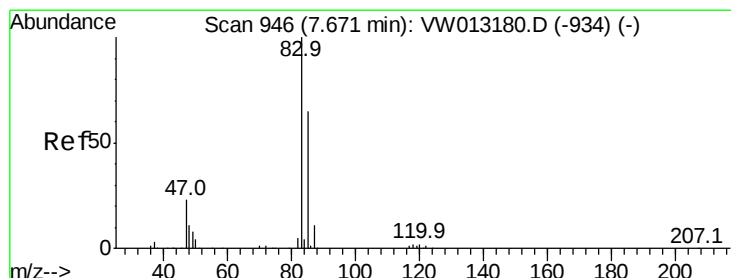
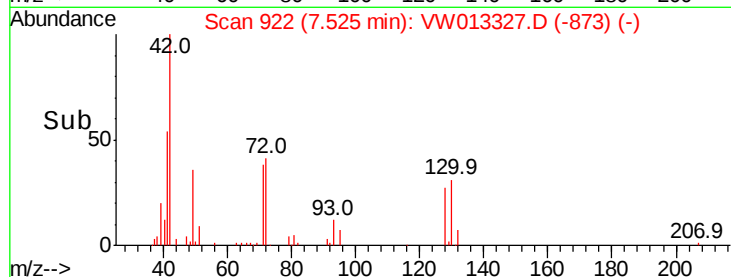
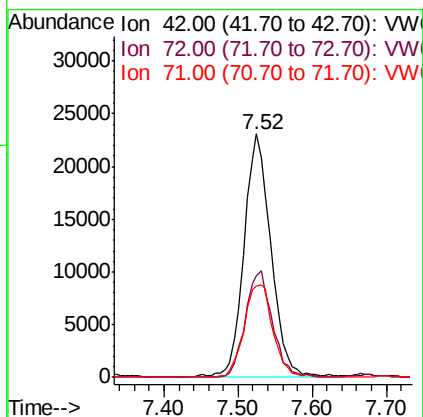
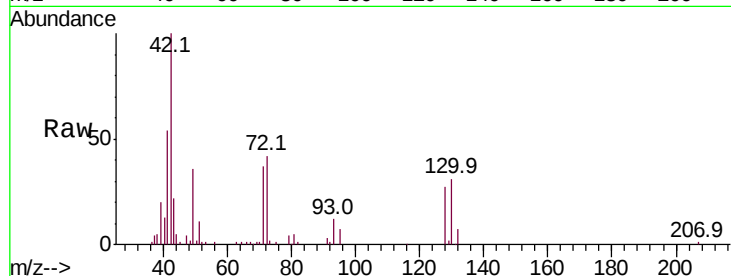




#29
Tetrahydrofuran
Concen: 106.464 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

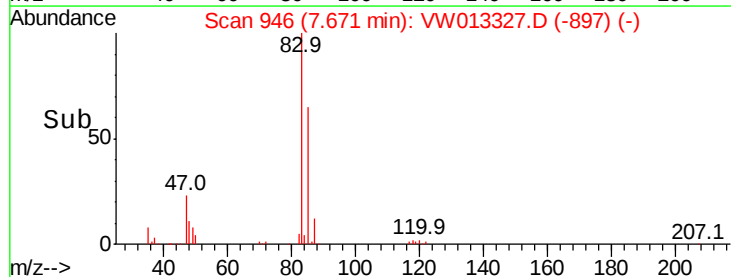
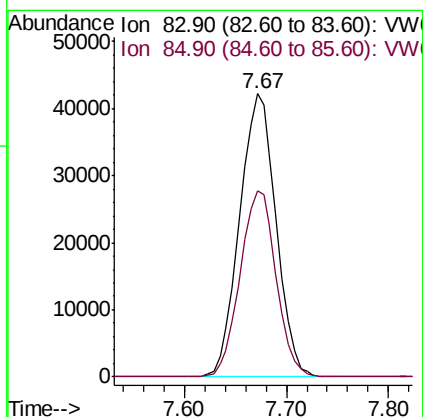
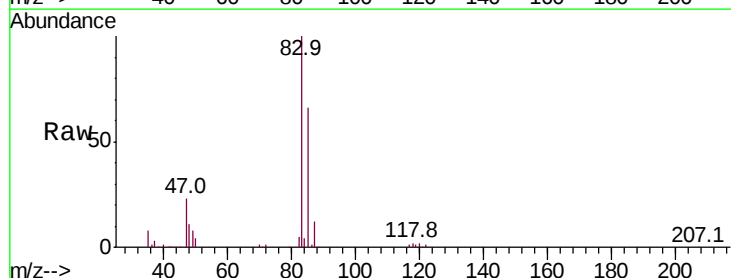
Instrument :
MSVOA_W
ClientSampled :

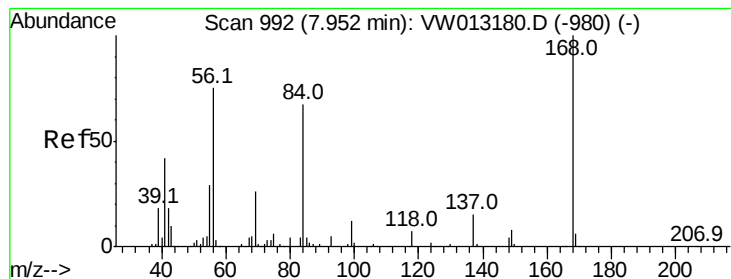
Tot Ion: 42 Resp: 59041
Ion Ratio Lower Upper
42 100
72 43.8 33.9 50.9
71 40.7 31.9 47.9



#30
Chloroform
Concen: 19.235 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 83 Resp: 104604
Ion Ratio Lower Upper
83 100
85 65.6 52.3 78.5





#31

Cyclohexane

Concen: 19.453 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

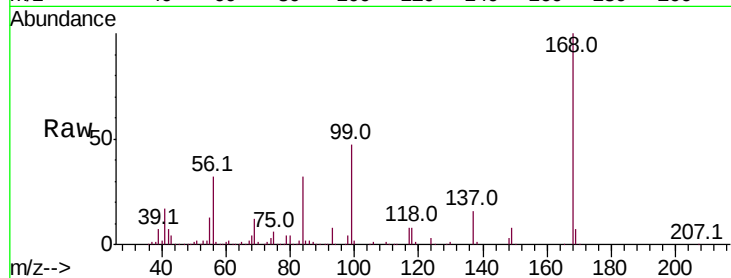
Tot Ion: 56 Resp: 112636

Ion Ratio Lower Upper

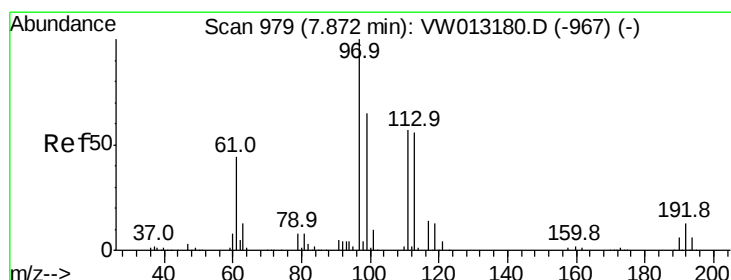
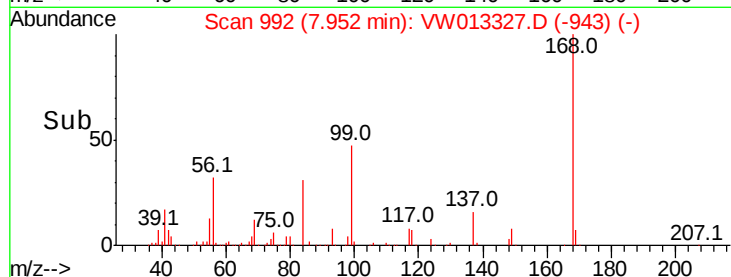
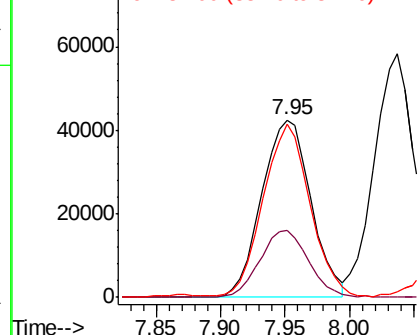
56 100

69 37.7 27.2 40.8

84 96.6 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 19.700 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

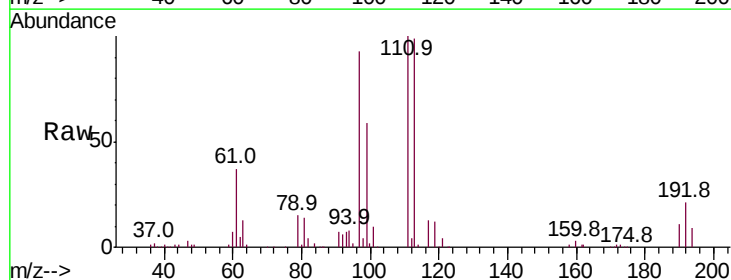
Tgt Ion: 97 Resp: 86767

Ion Ratio Lower Upper

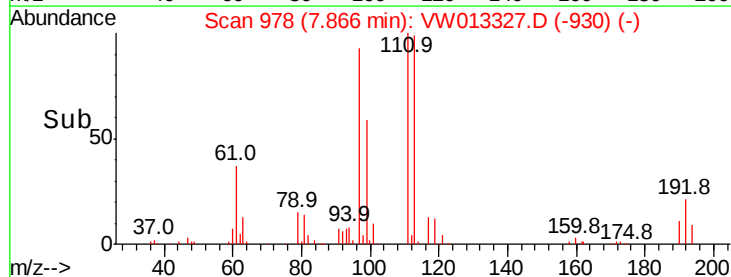
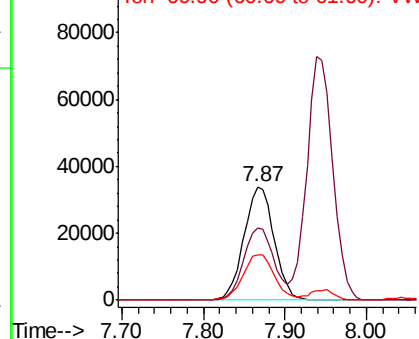
97 100

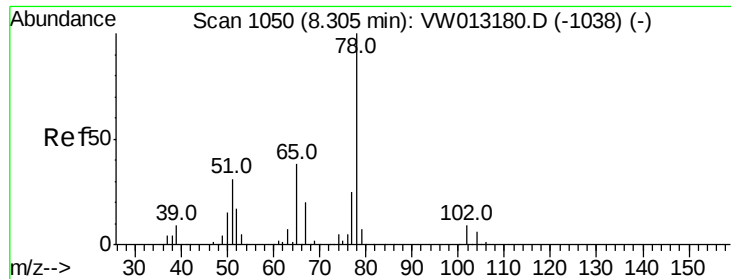
99 64.0 51.7 77.5

61 41.7 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.828 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

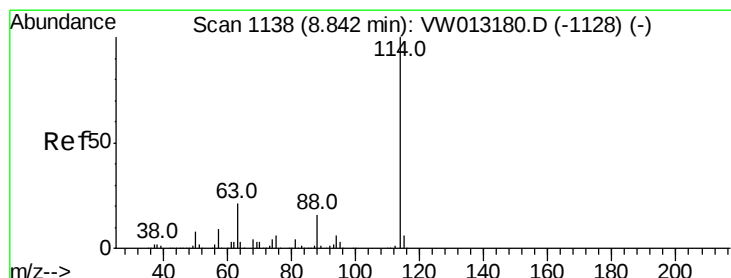
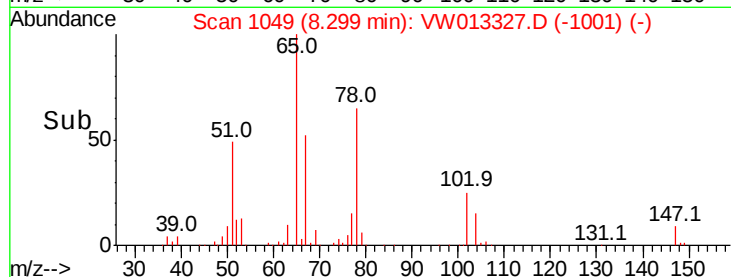
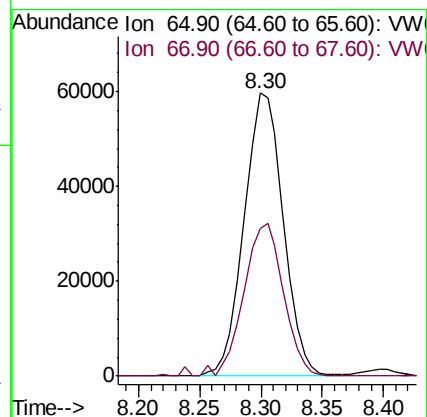
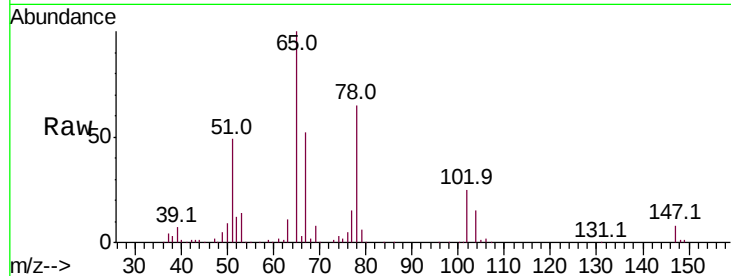
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 133100

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

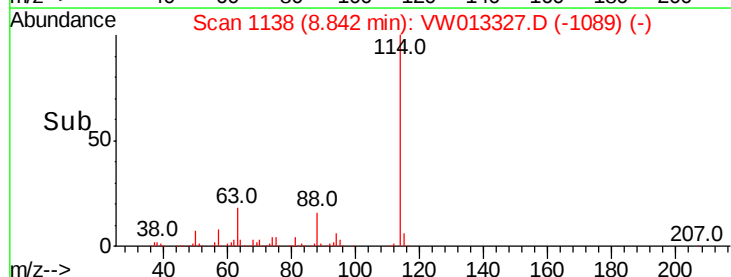
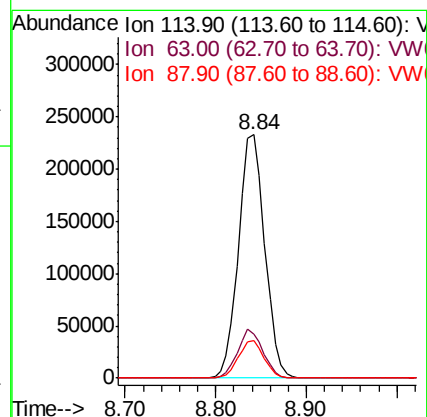
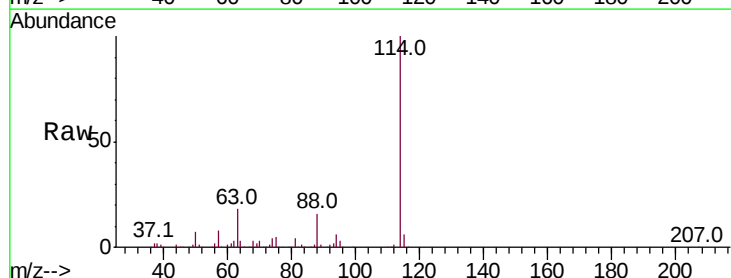
Tgt Ion: 114 Resp: 467836

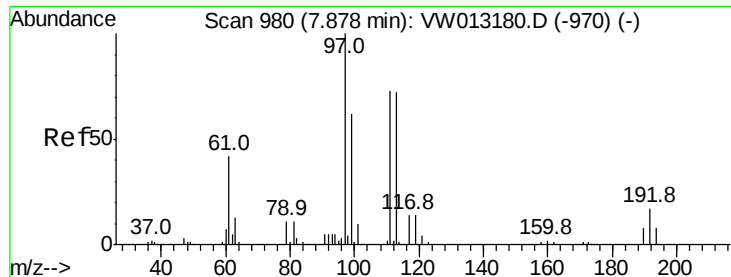
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.4

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.386 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

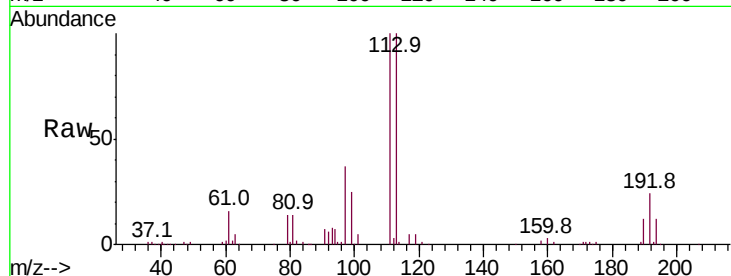
Tot Ion:113 Resp: 132221

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

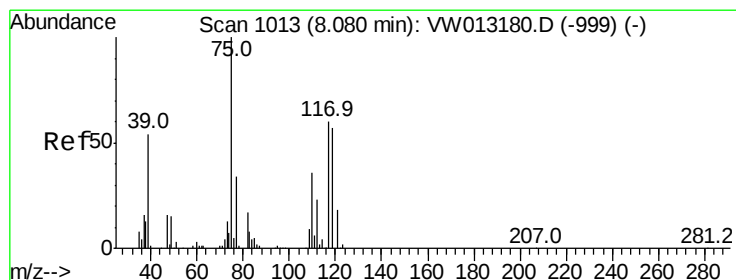
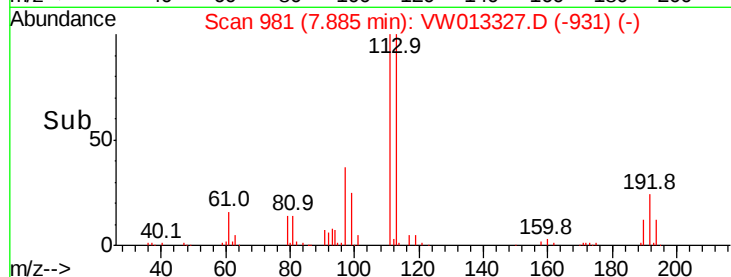
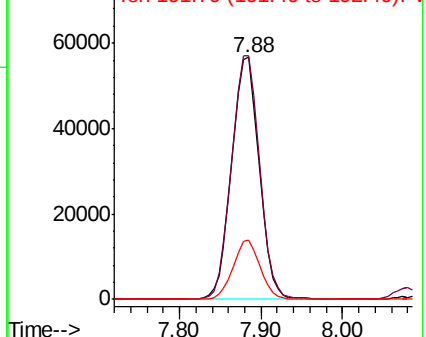
192 24.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.875 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

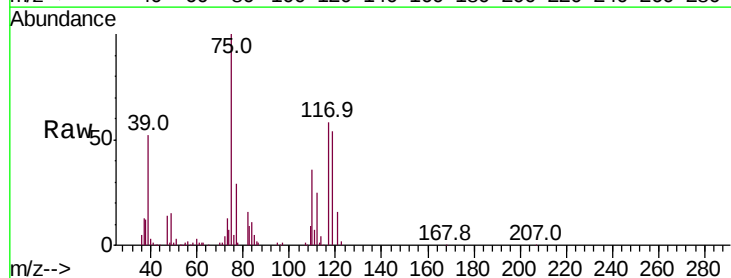
Tgt Ion: 75 Resp: 90059

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.3

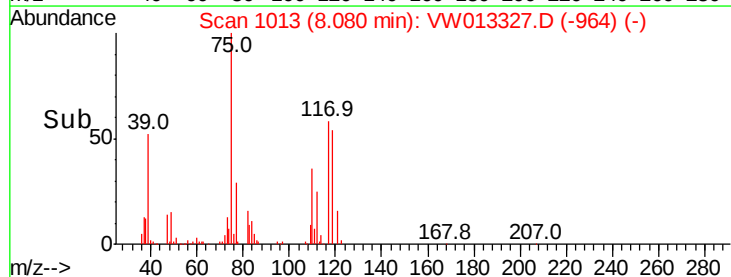
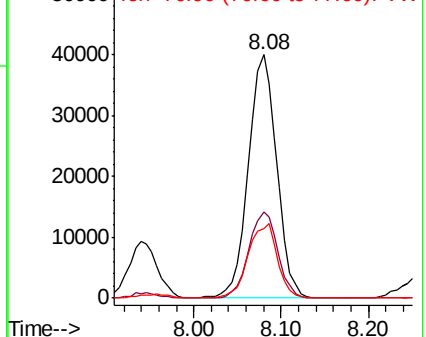
77 31.7 25.8 38.6

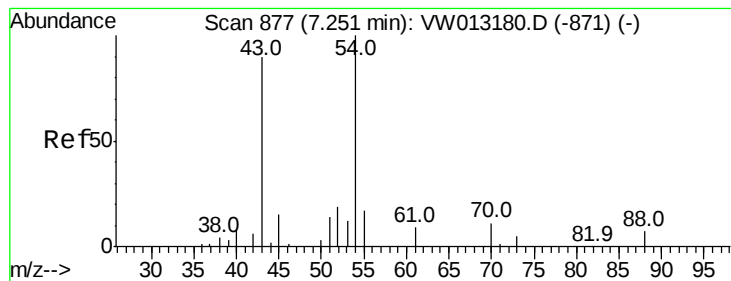


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 22.310 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

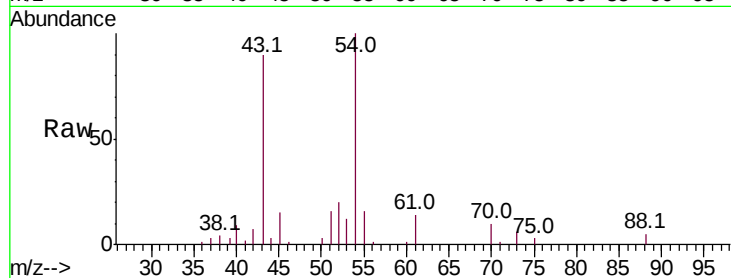
Tot Ion: 43 Resp: 42965

Ion Ratio Lower Upper

43 100

61 15.2 10.9 16.3

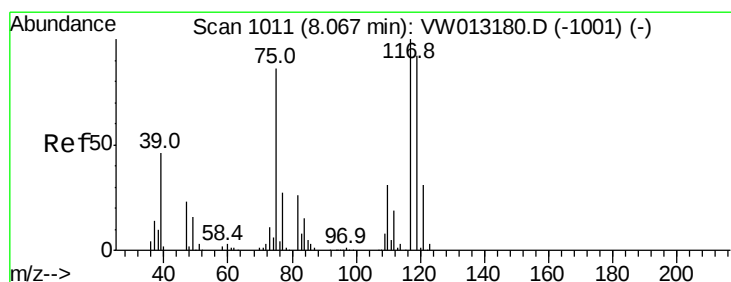
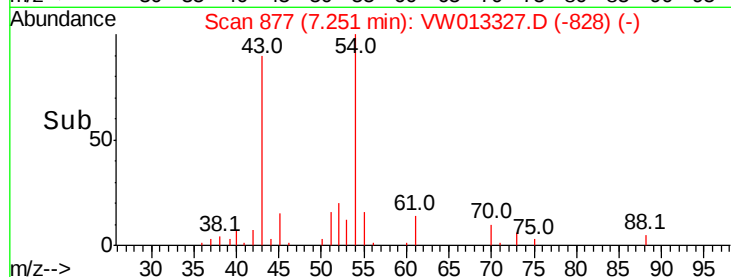
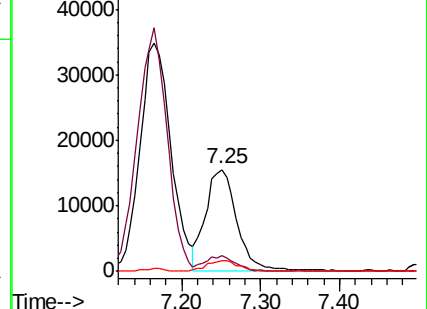
70 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 20.234 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

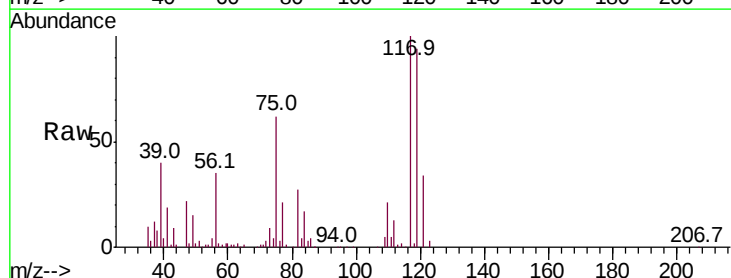
Tgt Ion: 117 Resp: 82190

Ion Ratio Lower Upper

117 100

119 94.2 73.5 110.3

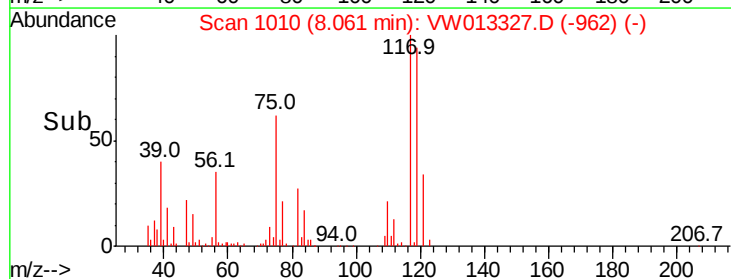
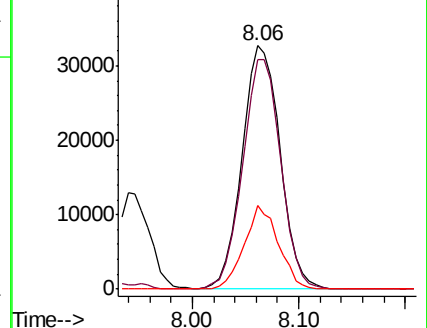
121 34.3 25.0 37.6

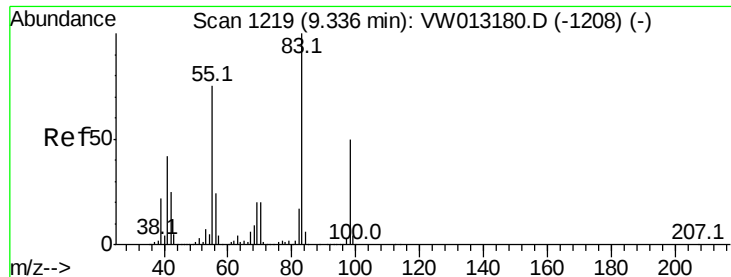


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

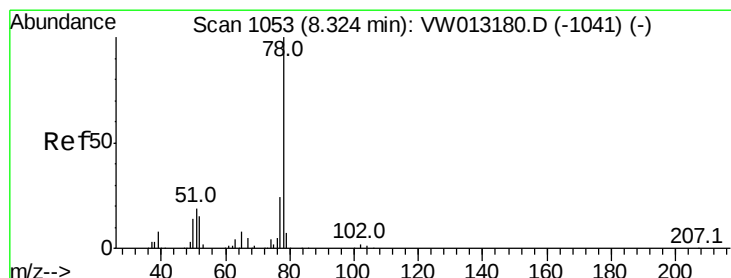
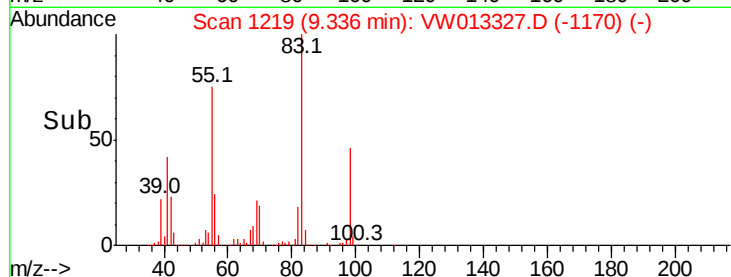
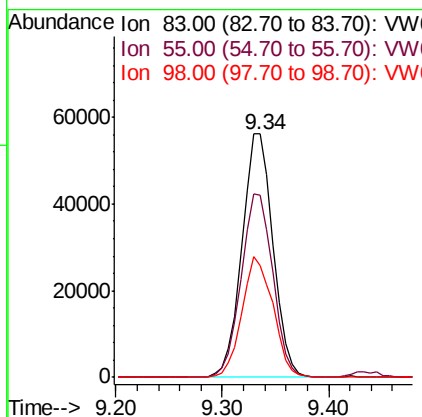
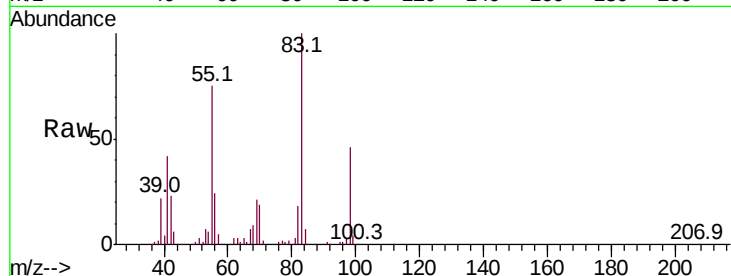




#39
Methvlcvclohexane
Concen: 19.840 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

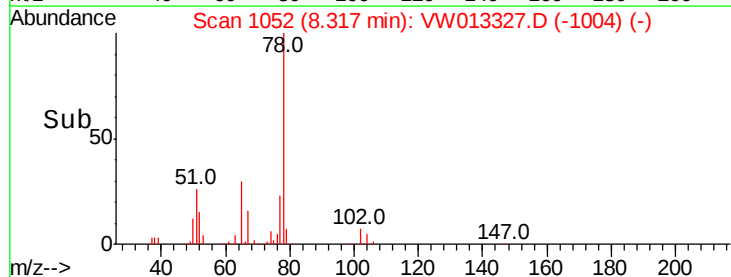
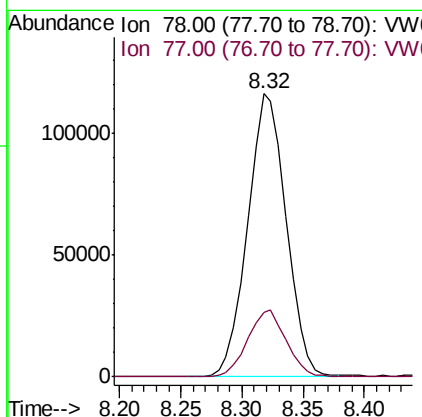
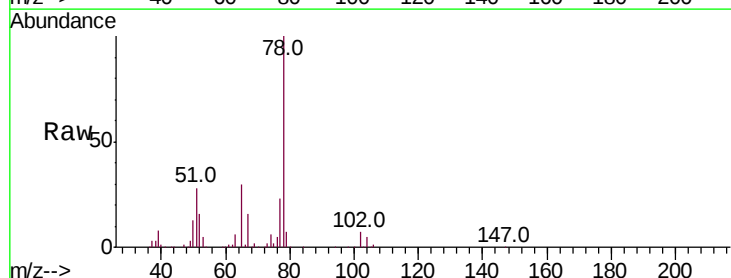
Instrument :
MSVOA_W
ClientSampleId :

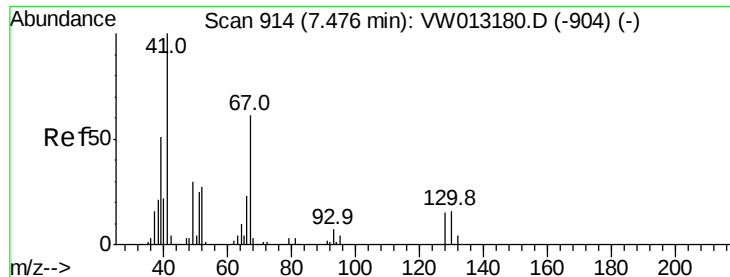
Tot Ion: 83 Resp: 115535
Ion Ratio Lower Upper
83 100
55 74.9 60.4 90.6
98 45.9 40.0 60.0



#40
Benzene
Concen: 20.185 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 78 Resp: 255123
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7

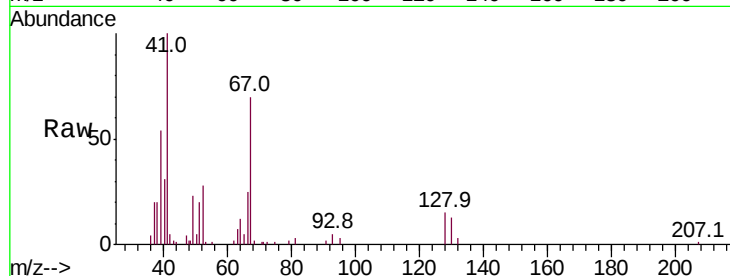




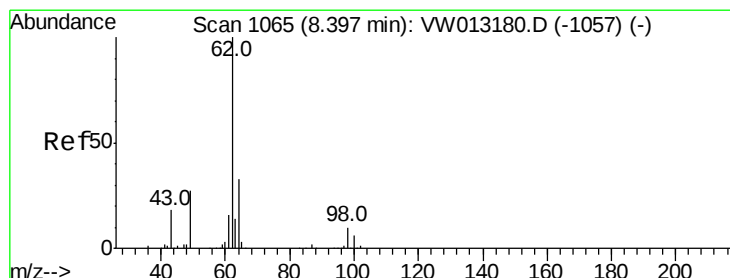
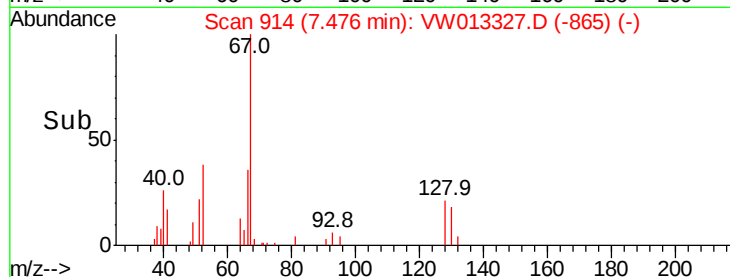
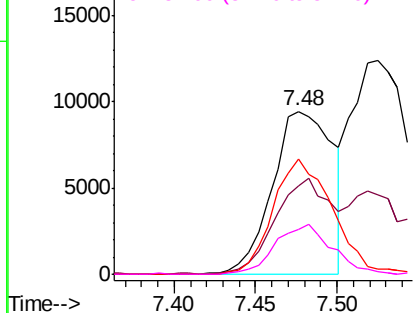
#41
Methacrylonitrile
Concen: 21.133 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	24290
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.9	68.9
67	69.3	54.5	81.7
52	28.6	22.5	33.7

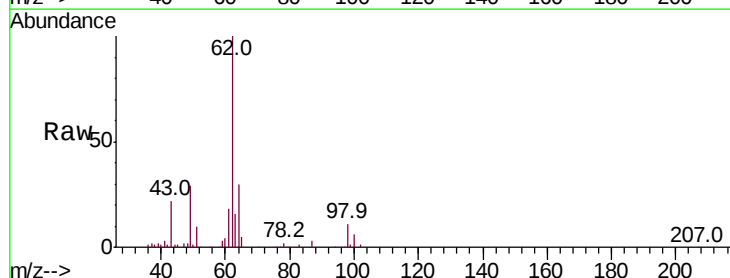


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

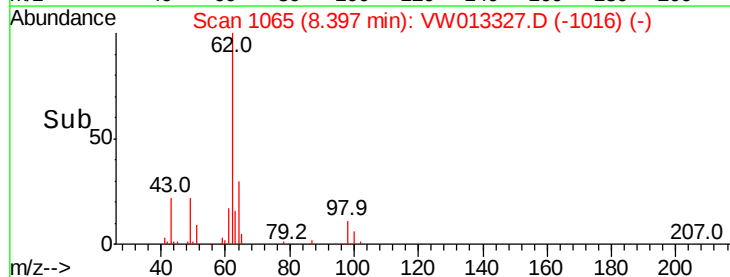
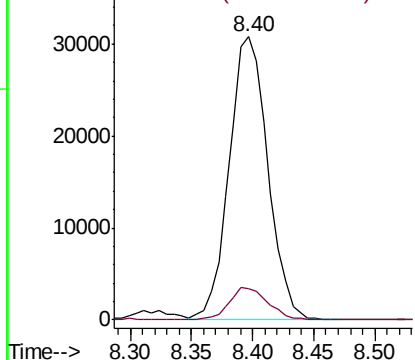


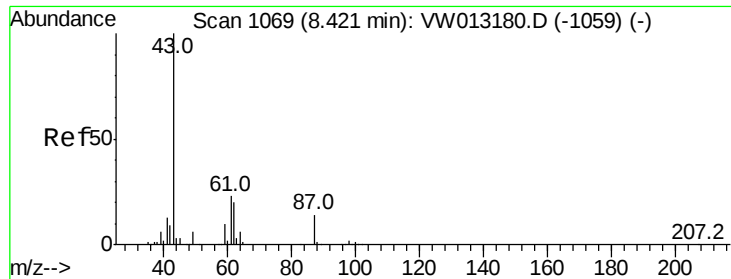
#42
1,2-Dichloroethane
Concen: 19.787 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:	62	Resp:	67229
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 20.432 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

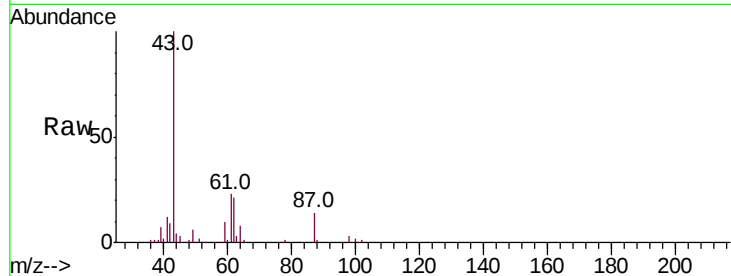
Tot Ion: 43 Resp: 75414

Ion Ratio Lower Upper

43 100

61 30.8 25.5 38.3

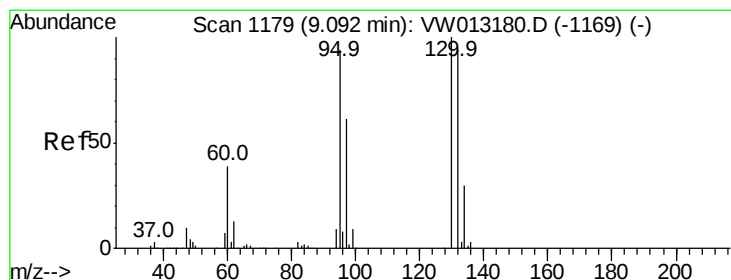
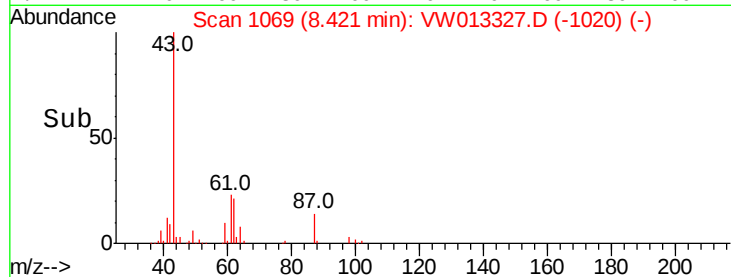
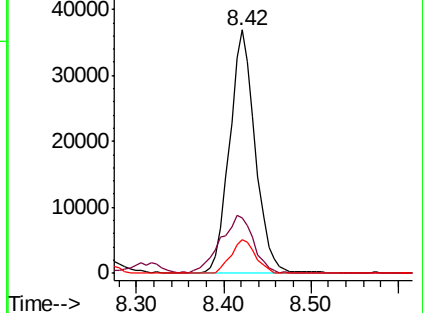
87 13.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.184 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013327.D

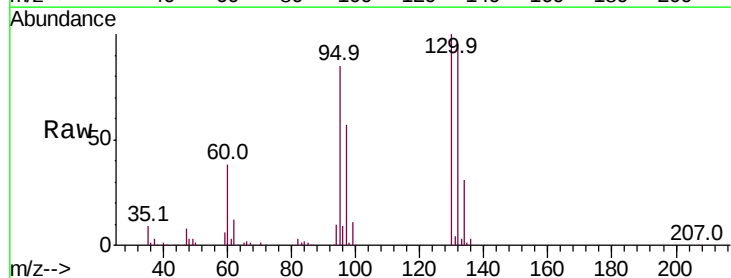
Acq: 30 Sep 2019 12:42

Tgt Ion: 130 Resp: 71577

Ion Ratio Lower Upper

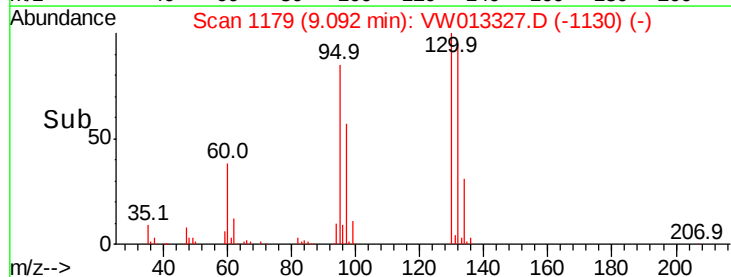
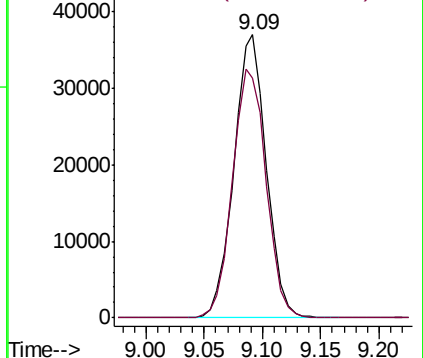
130 100

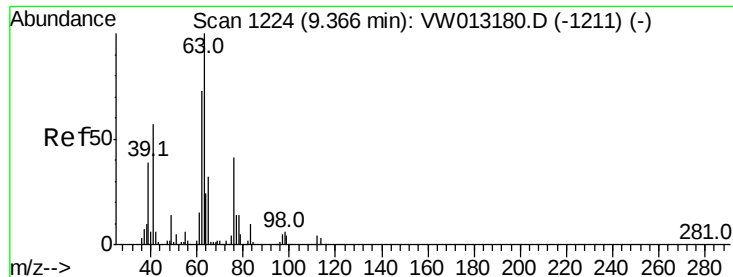
95 84.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.745 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

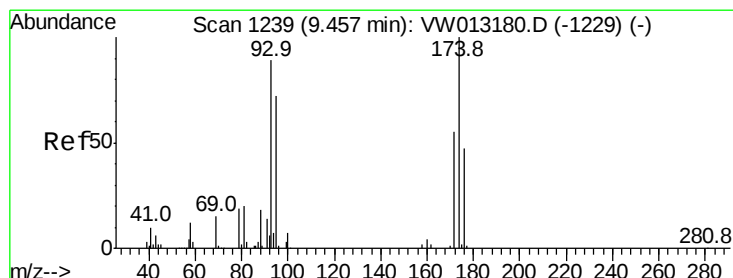
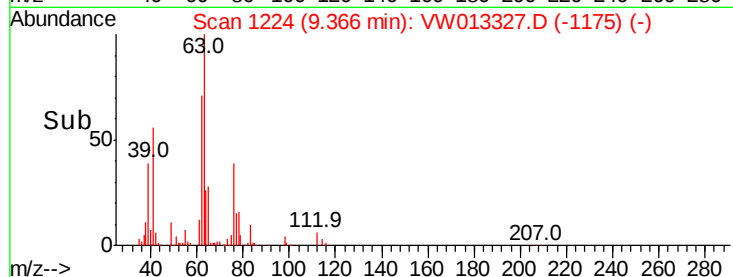
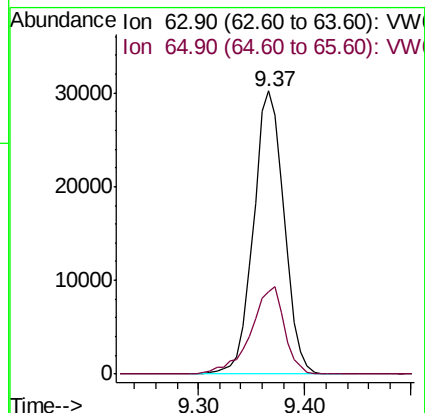
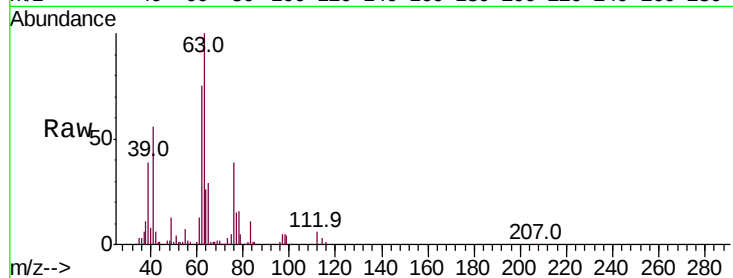
ClientSampleId :

Tot Ion: 63 Resp: 60928

Ion Ratio Lower Upper

63 100

65 29.0 25.3 37.9



#46

Dibromomethane

Concen: 20.476 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

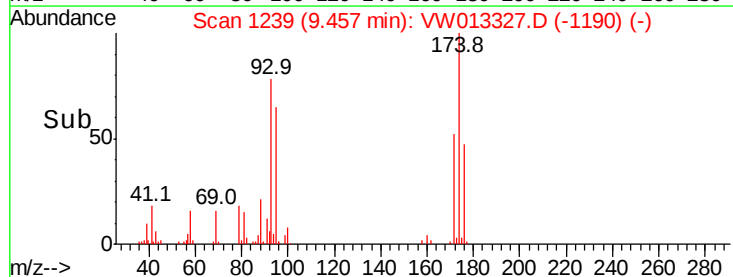
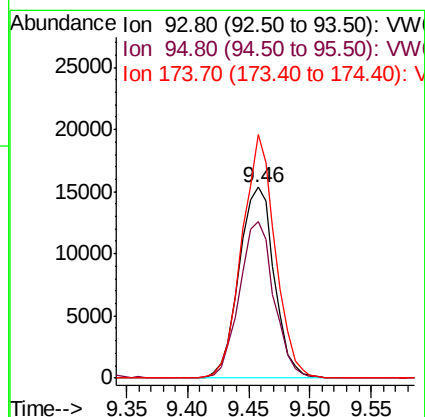
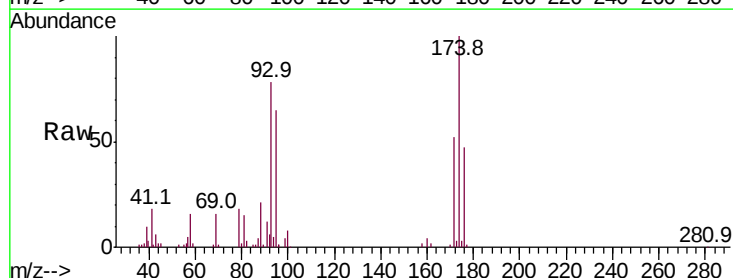
Tgt Ion: 93 Resp: 30676

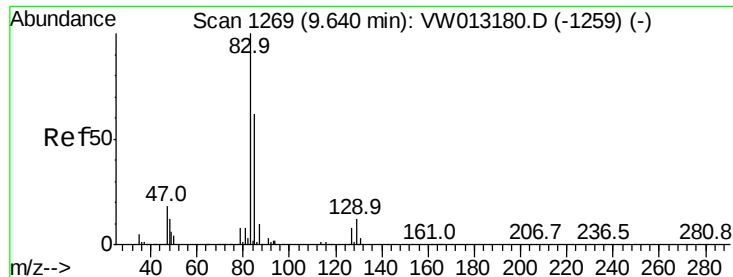
Ion Ratio Lower Upper

93 100

95 80.4 66.4 99.6

174 120.4 93.0 139.6





#47

Bromodichloromethane

Concen: 19.733 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

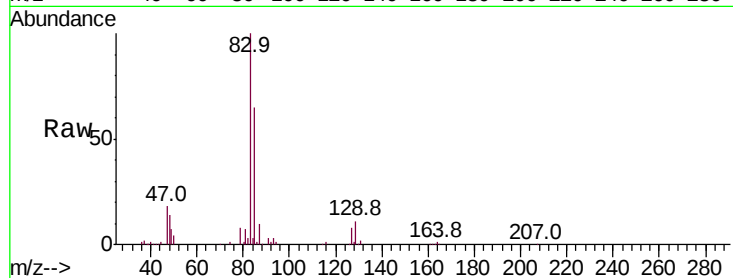
Tot Ion: 83 Resp: 75224

Ion Ratio Lower Upper

83 100

85 64.6 49.4 74.2

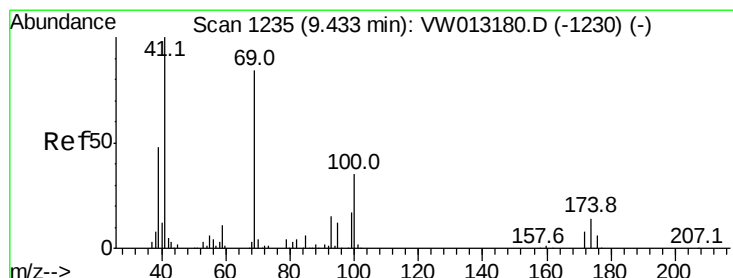
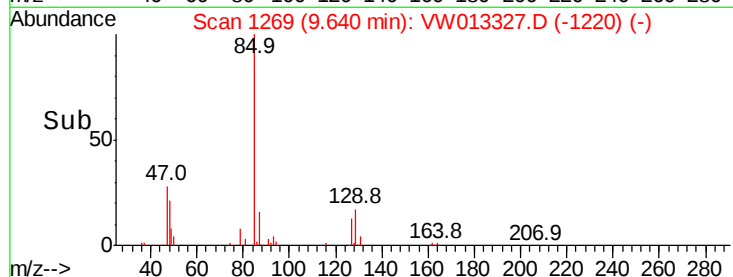
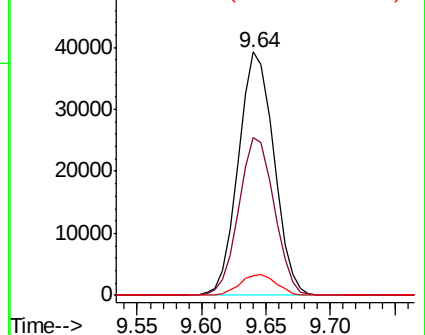
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.464 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

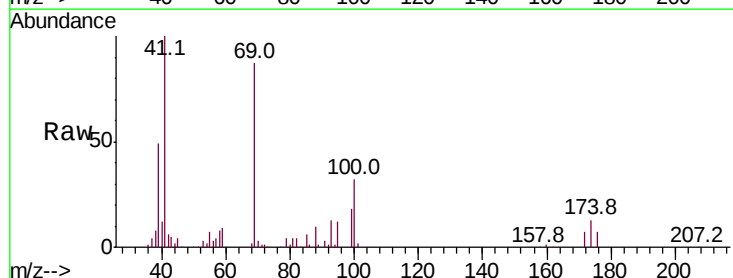
Tgt Ion: 41 Resp: 37253

Ion Ratio Lower Upper

41 100

69 85.1 69.7 104.5

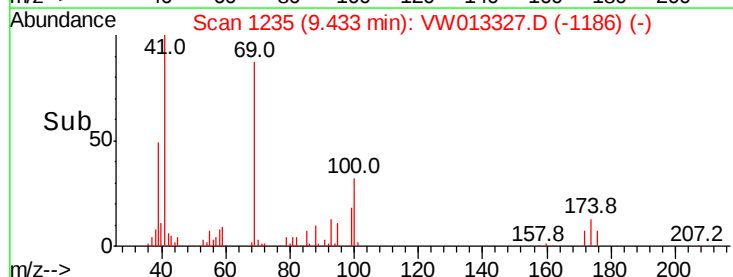
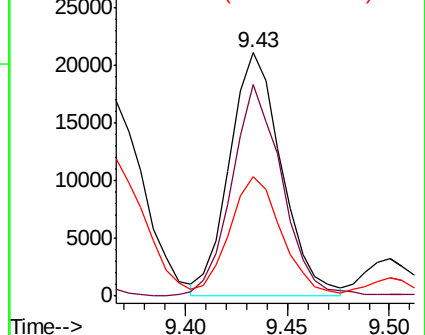
39 46.2 41.1 61.7

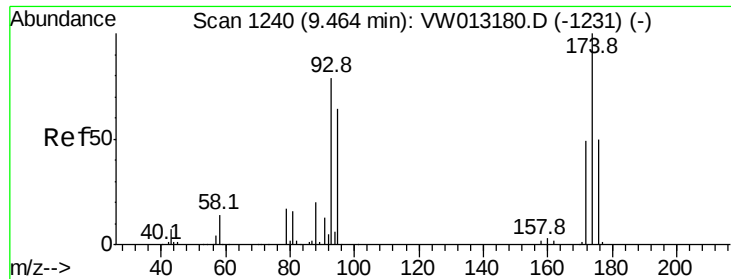


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

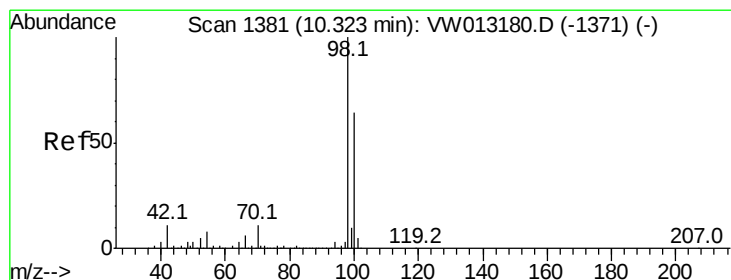
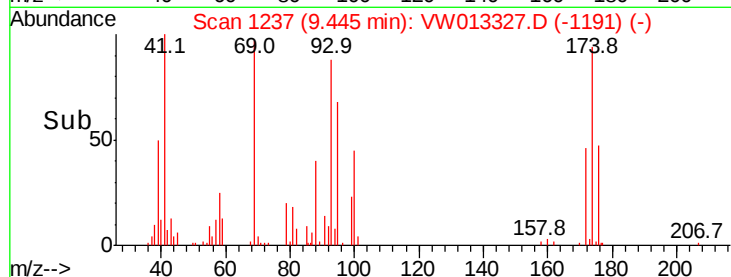
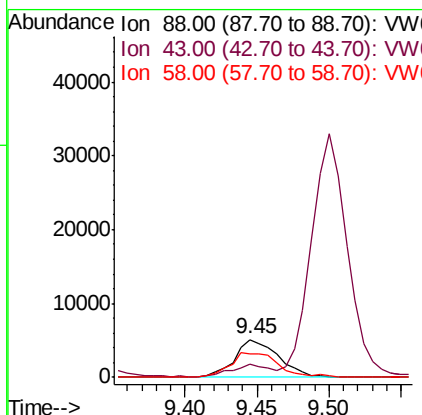
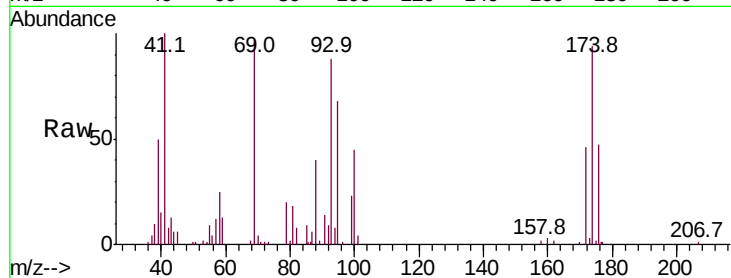




#49
1,4-Dioxane
Concen: 474.877 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

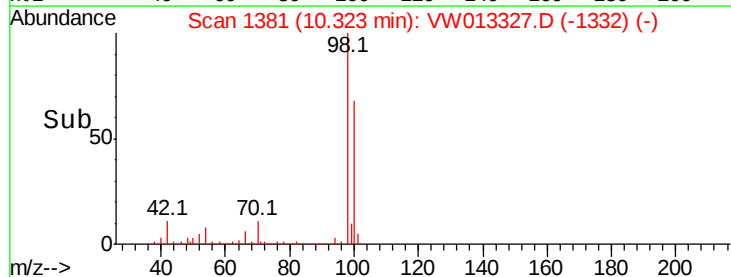
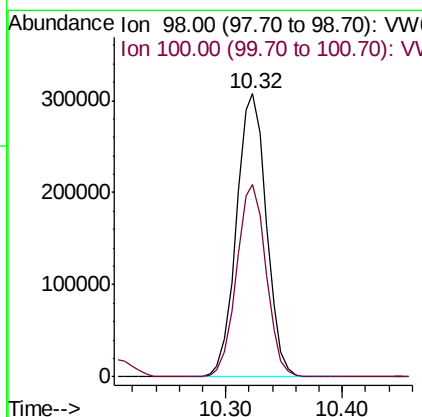
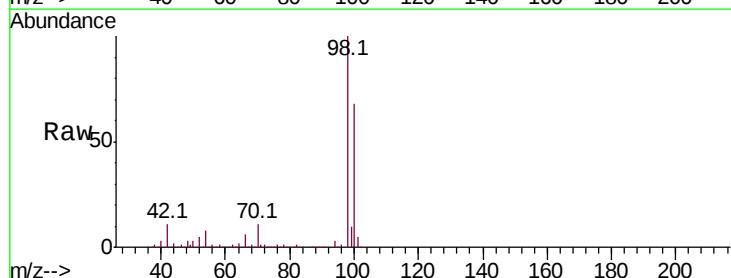
Instrument :
MSVOA_W
ClientSampleId :

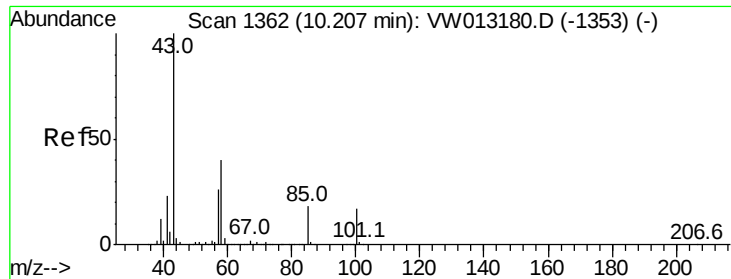
Tot Ion: 88 Resp: 10679
Ion Ratio Lower Upper
88 100
43 28.1 0.0 0.0#
58 74.5 65.4 98.0



#50
Toluene-d8
Concen: 51.015 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 98 Resp: 549364
Ion Ratio Lower Upper
98 100
100 67.2 52.9 79.3

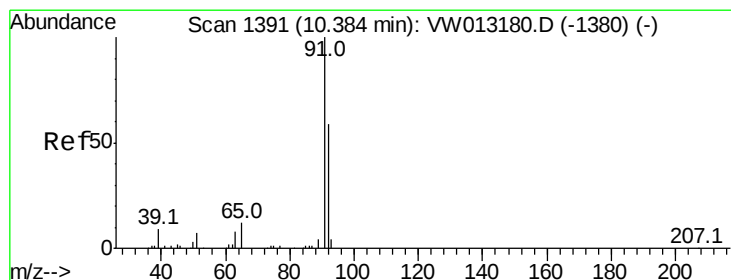
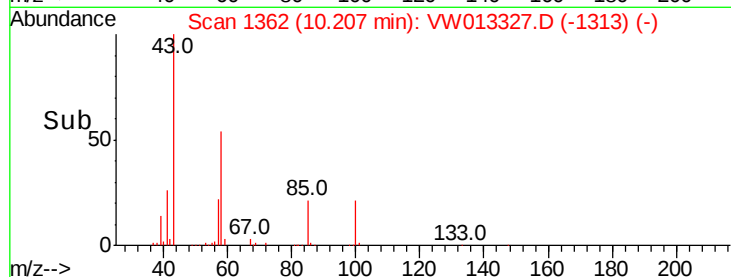
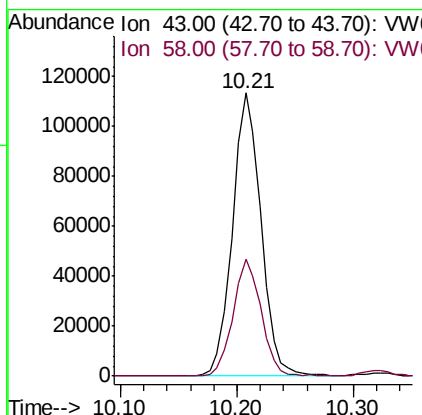
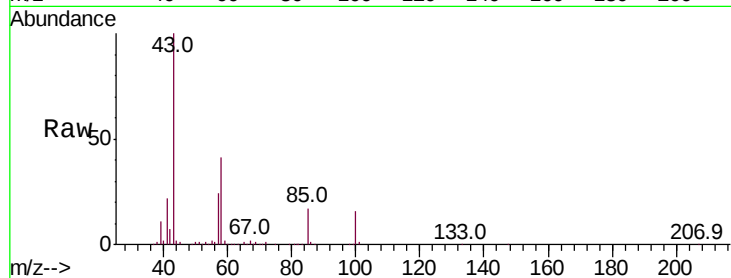




#51
 4-Methyl-2-Pentanone
 Concen: 104.724 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

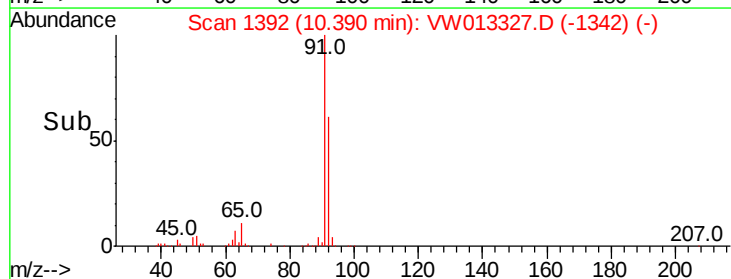
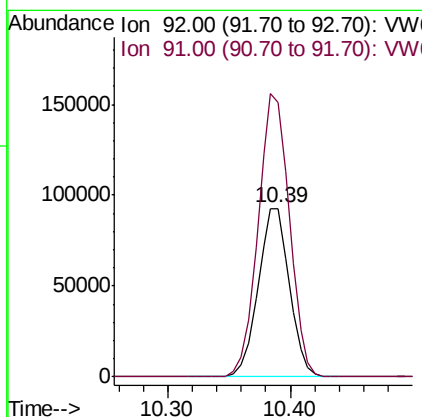
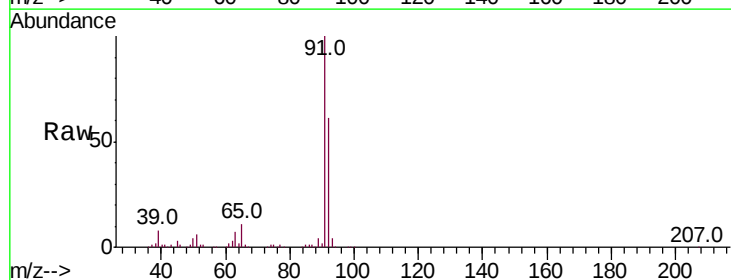
Instrument :
 MSVOA_W
 ClientSampleId :

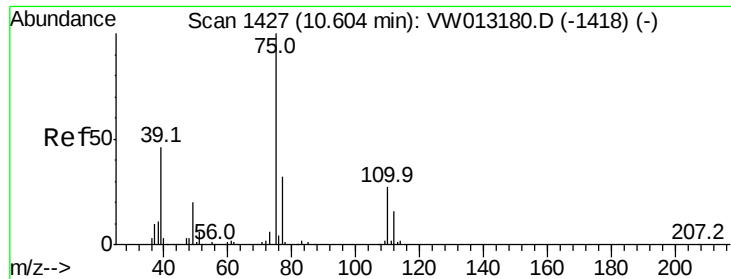
Tot Ion: 43 Resp: 193779
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.7 47.5



#52
 Toluene
 Concen: 20.422 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 92 Resp: 165429
 Ion Ratio Lower Upper
 92 100
 91 167.8 135.7 203.5

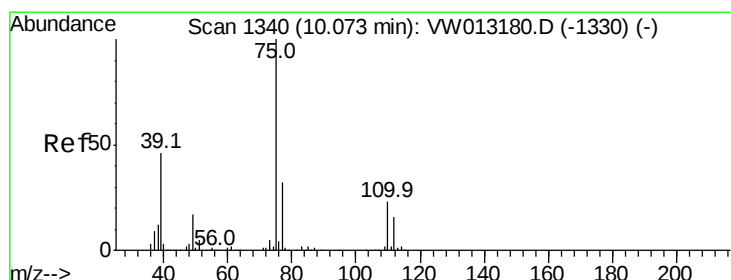
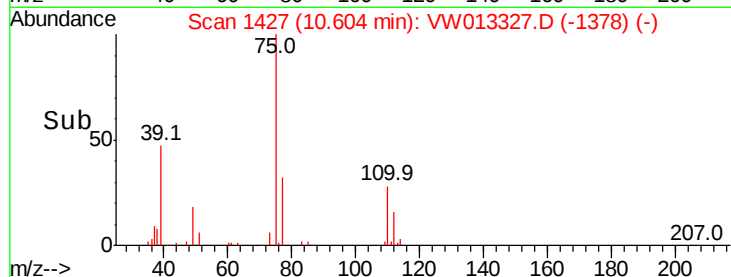
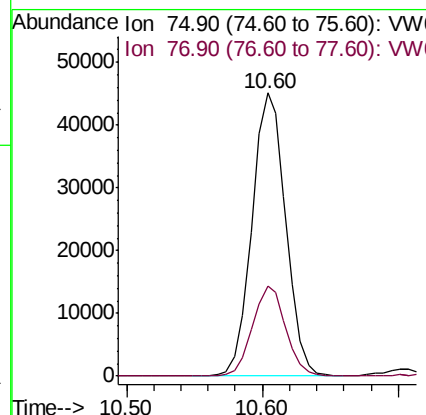
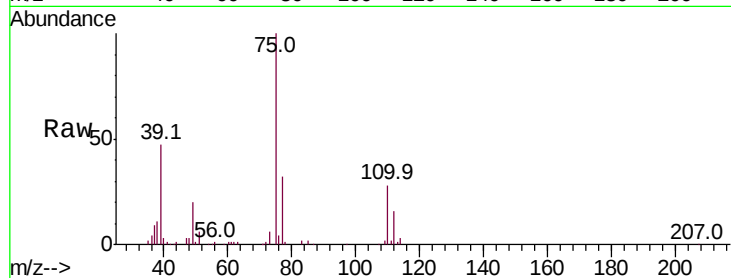




#53
 t-1,3-Dichloropropene
 Concen: 20.001 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

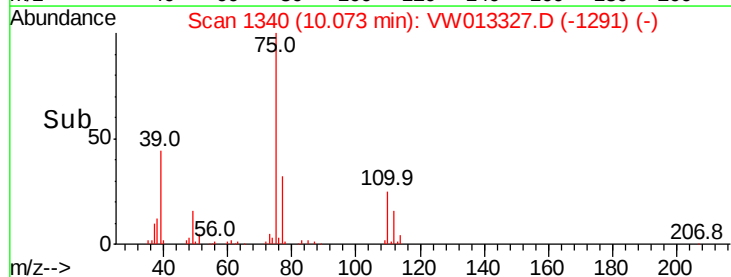
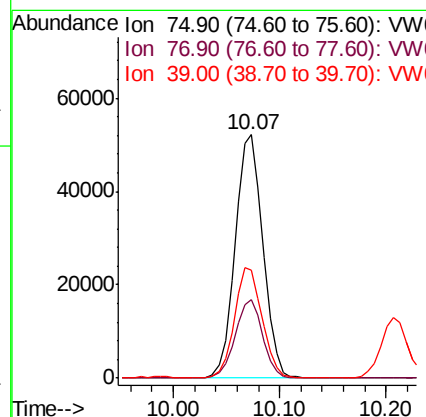
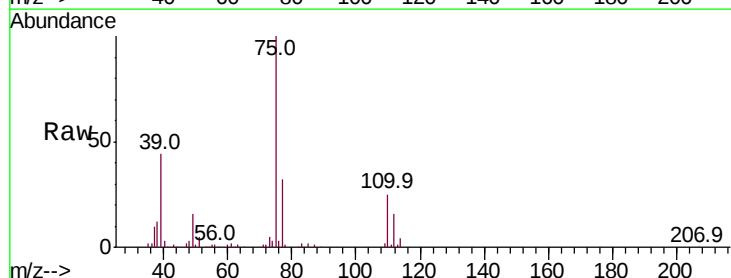
Instrument :
 MSVOA_W
 ClientSampled :

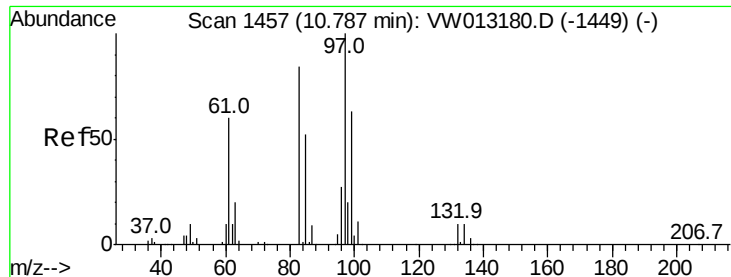
Tot Ion: 75 Resp: 78334
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.027 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 75 Resp: 95366
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8
 39 44.2 36.6 55.0

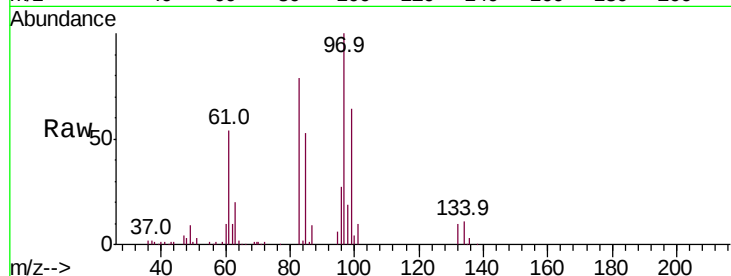




#55
 1,1,2-Trichloroethane
 Concen: 20.437 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	45763
Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.6	101.4
85	53.1	41.9	62.9
99	63.6	50.1	75.1



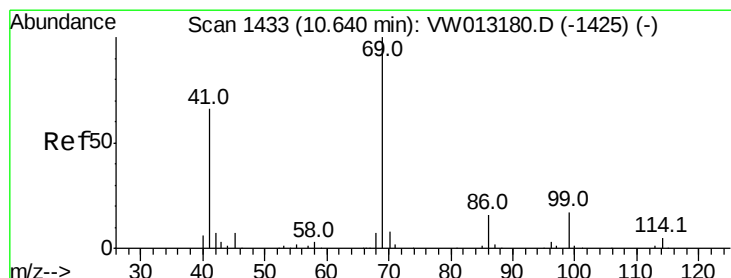
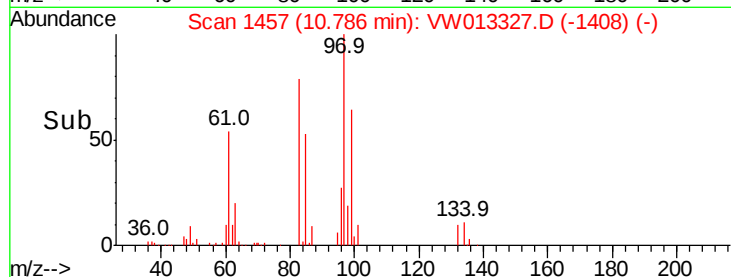
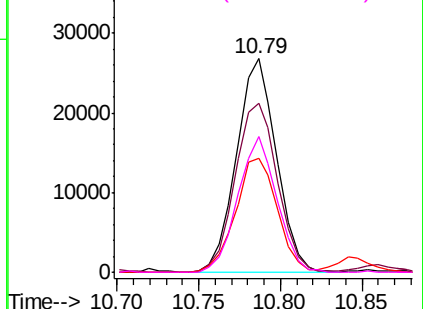
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

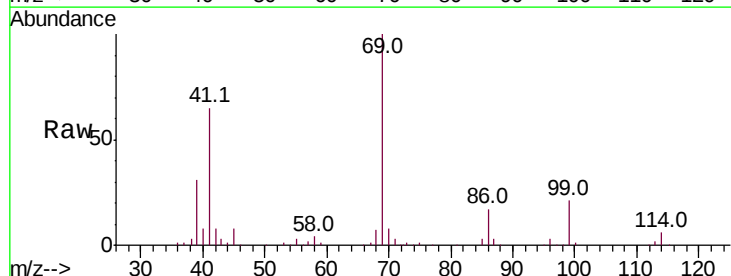
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.905 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion:	69	Resp:	61263
Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.9	80.9
39	27.4	23.8	35.6

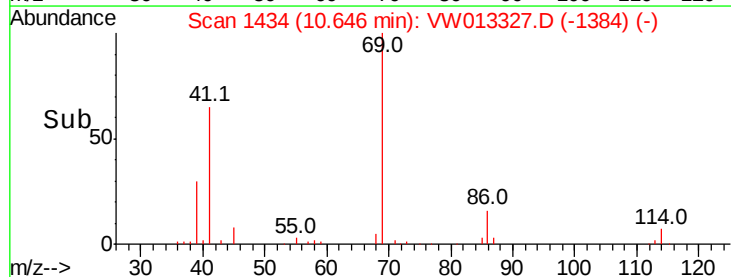
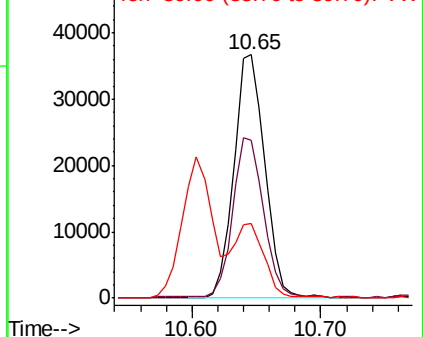


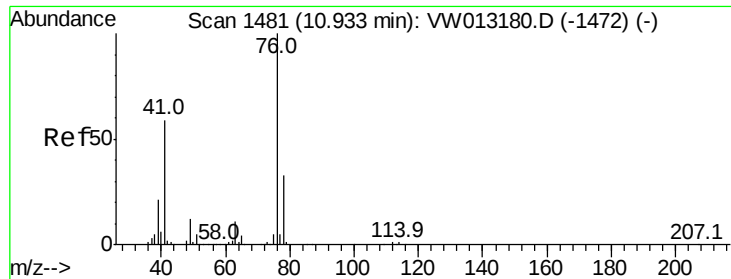
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.488 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

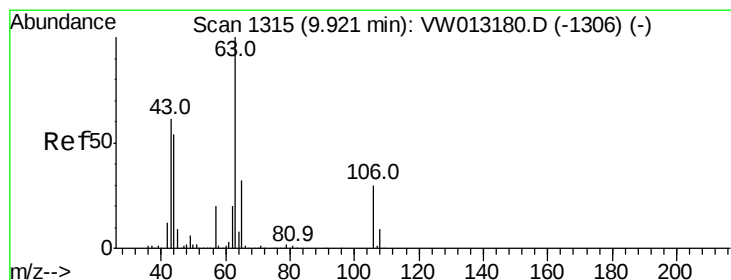
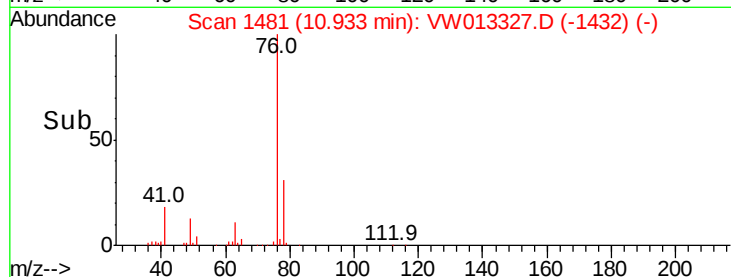
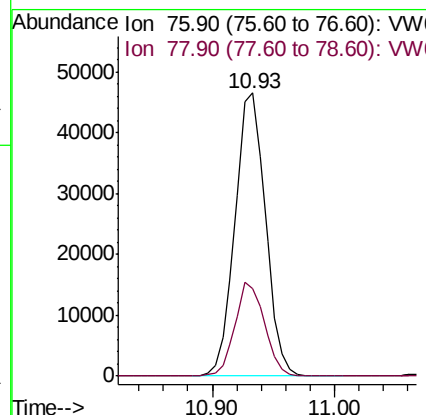
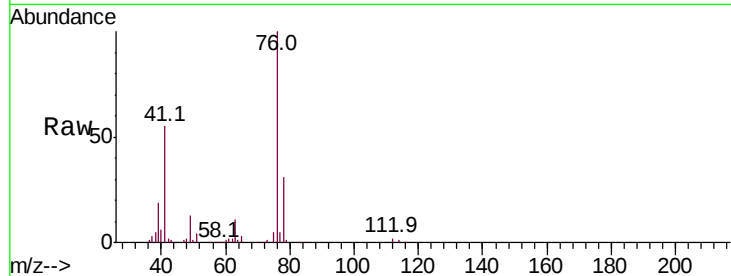
Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 80057

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 101.107 ug/l

RT: 9.92 min Scan# 1315

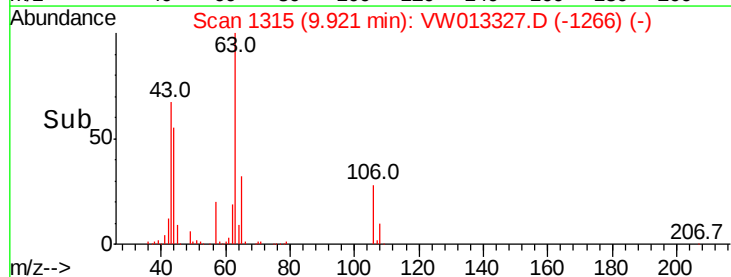
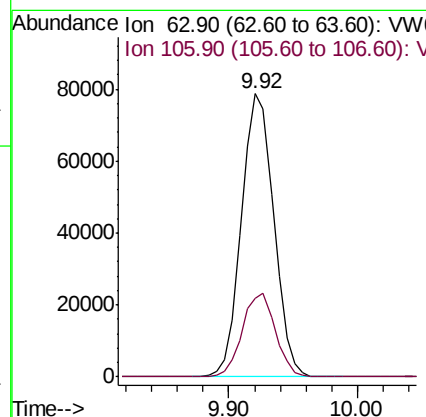
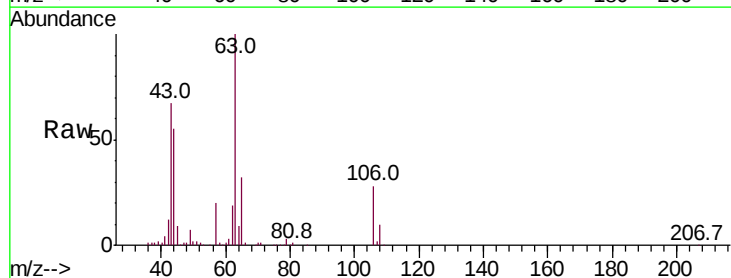
Delta R.T. -0.00 min

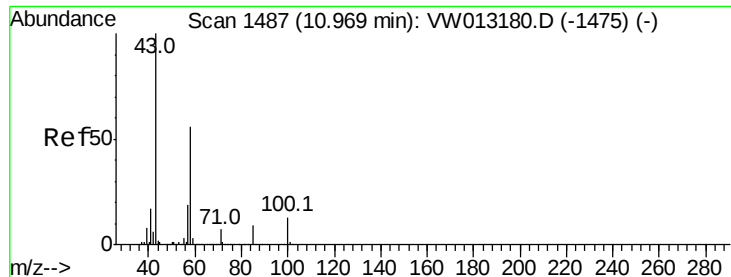
Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion: 63 Resp: 137170

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.4	35.0

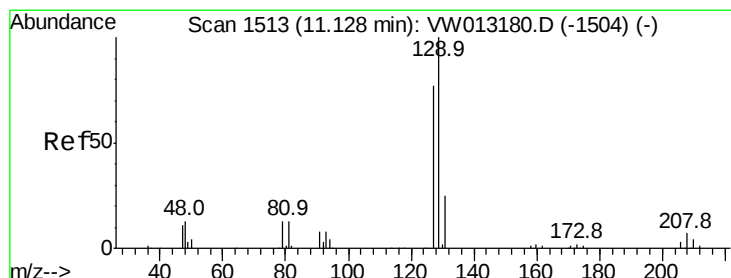
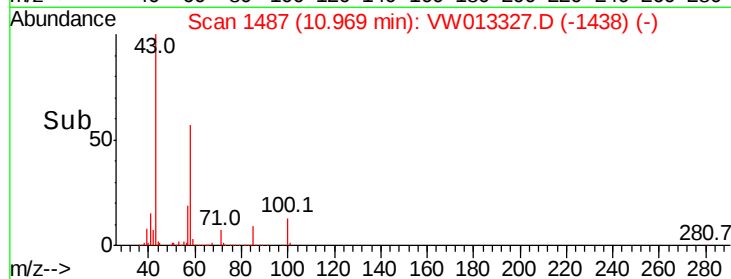
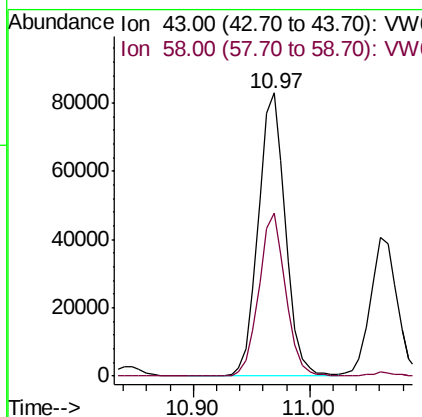
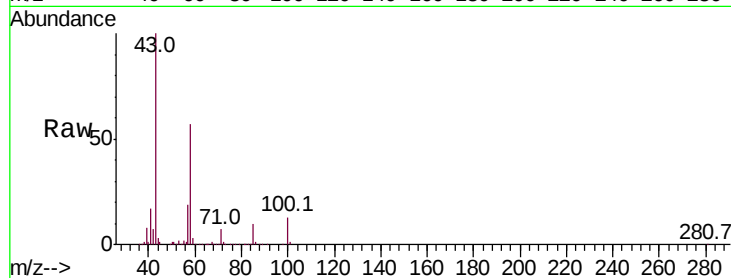




#59
2-Hexanone
Concen: 105.940 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

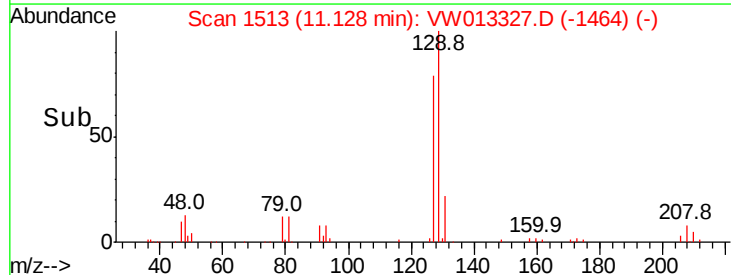
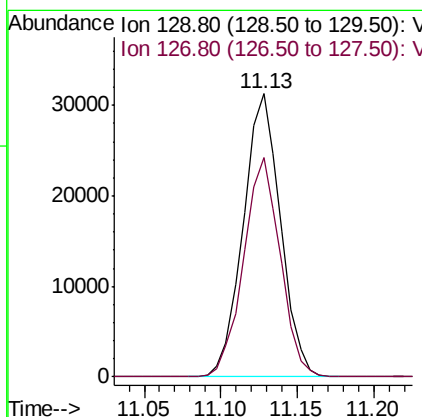
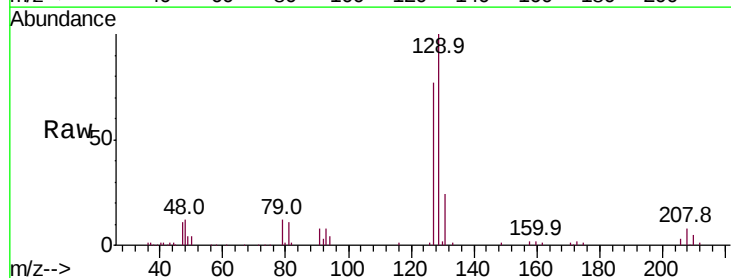
Instrument :
MSVOA_W
ClientSampleId :

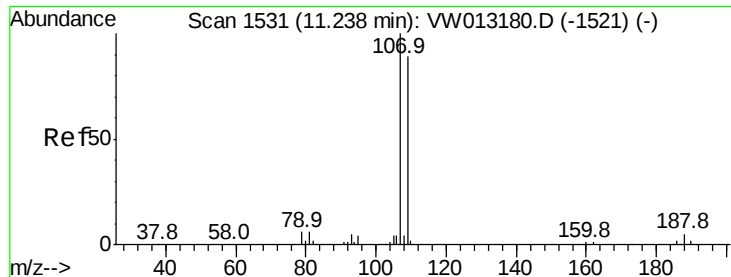
Tot Ion: 43 Resp: 134867
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.2



#60
Dibromochloromethane
Concen: 20.816 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 129 Resp: 52926
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4

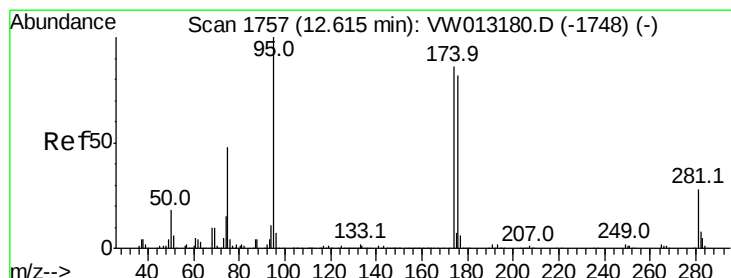
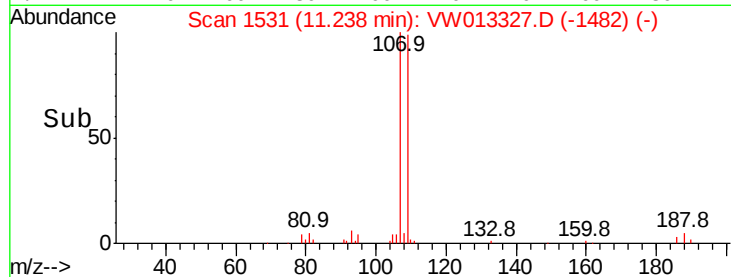
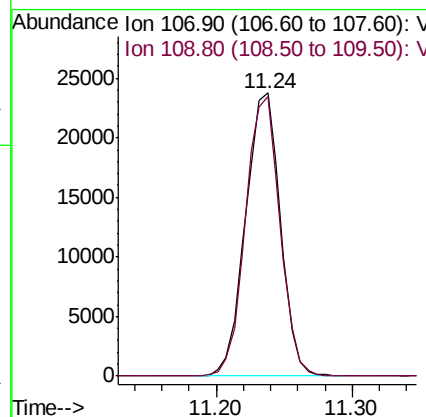
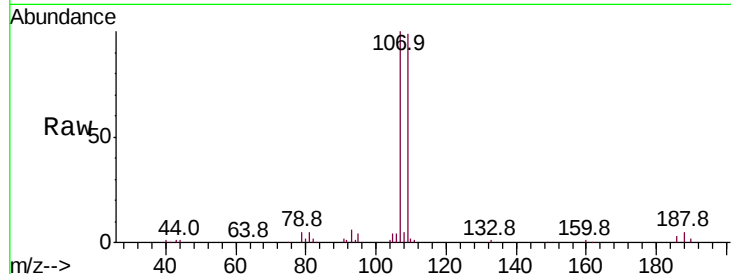




#61
 1,2-Dibromoethane
 Concen: 19.981 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

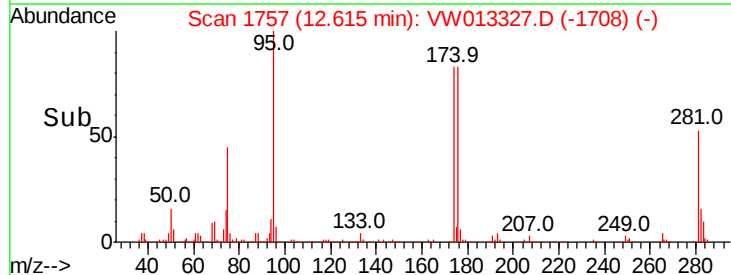
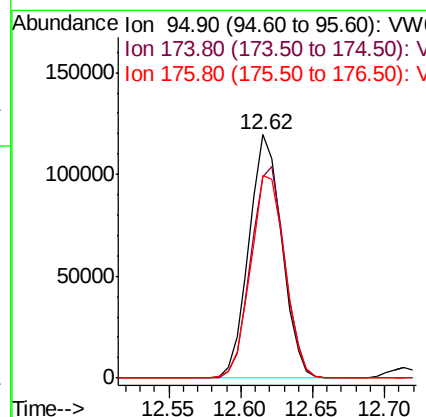
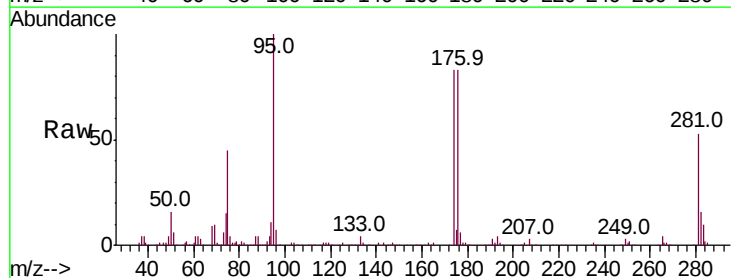
Instrument :
 MSVOA_W
 ClientSampled :

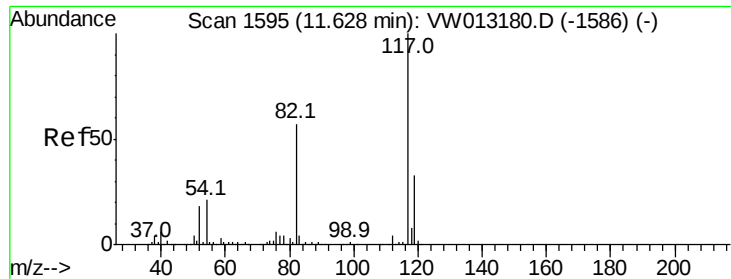
Tot Ion:107 Resp: 42541
 Ion Ratio Lower Upper
 107 100
 109 98.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.224 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 95 Resp: 188427
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.4
 176 86.7 0.0 172.2

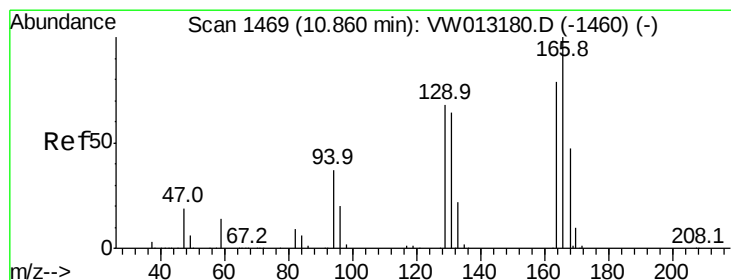
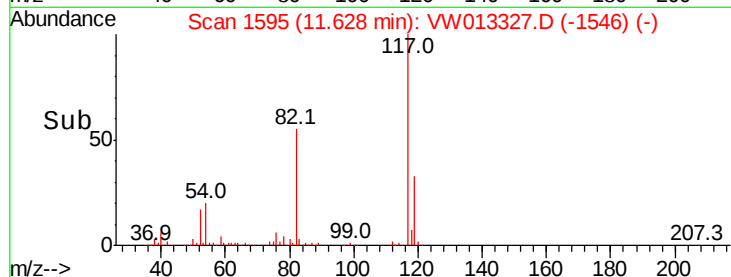
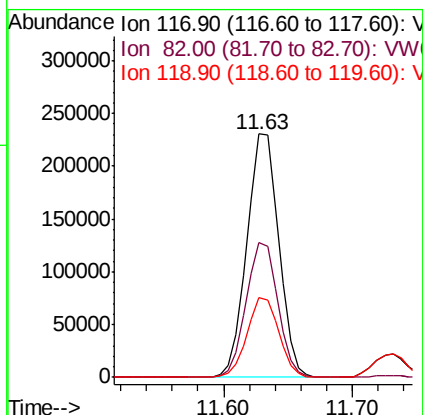
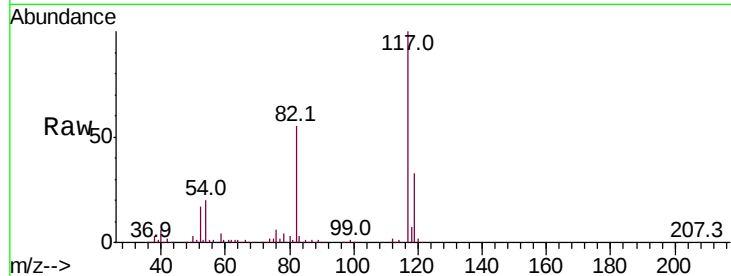




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

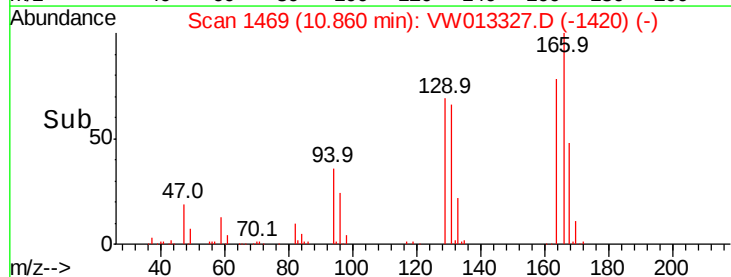
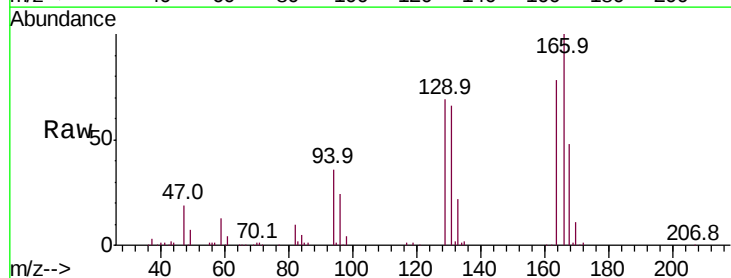
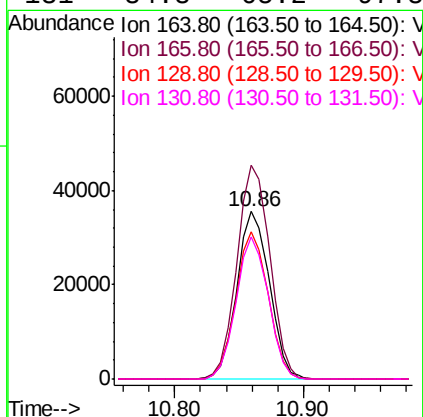
Instrument :
MSVOA_W
ClientSampleId :

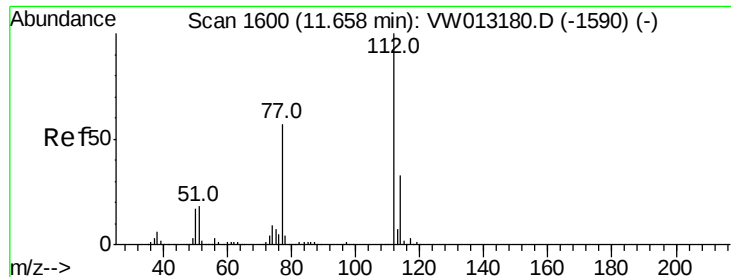
Tot Ion:117 Resp: 393701
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 20.814 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:164 Resp: 62173
Ion Ratio Lower Upper
164 100
166 127.6 101.2 151.8
129 88.0 68.8 103.2
131 84.8 65.2 97.8

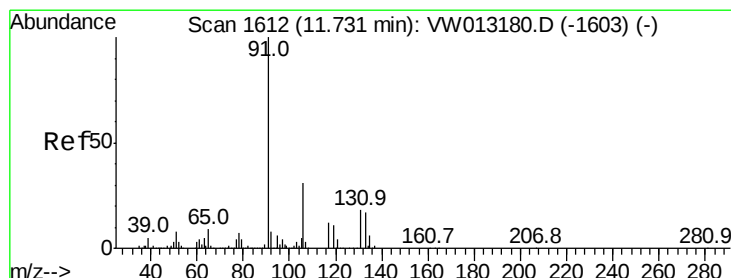
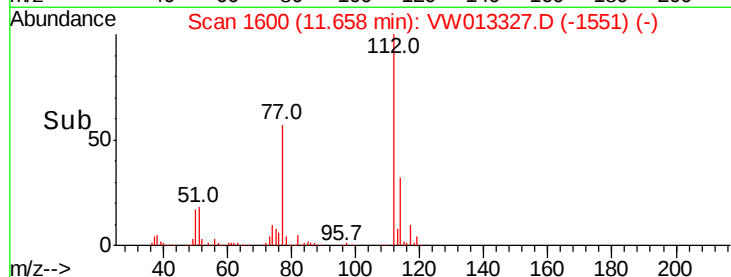
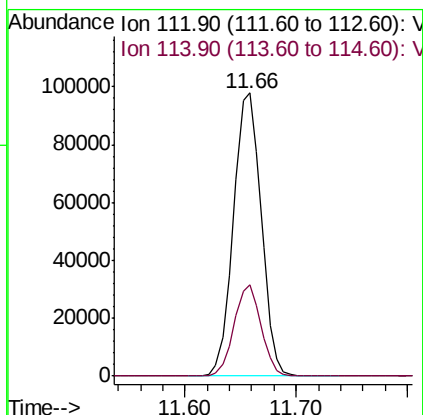
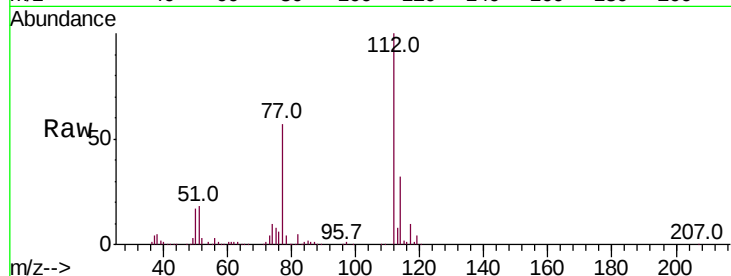




#65
Chlorobenzene
Concen: 20.562 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

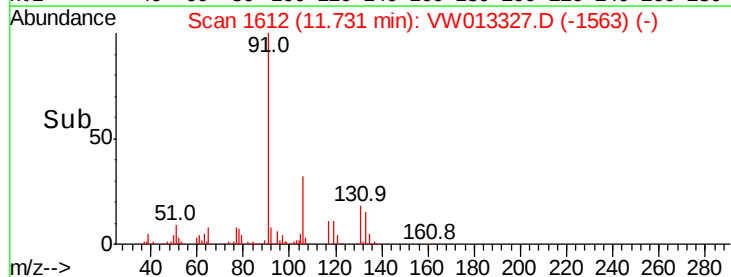
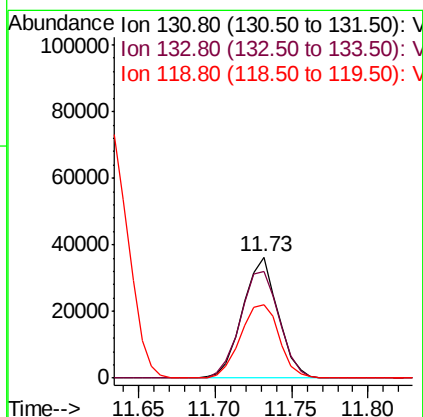
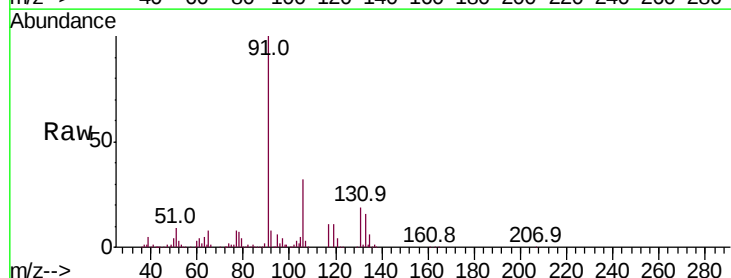
Instrument :
MSVOA_W
ClientSampled :

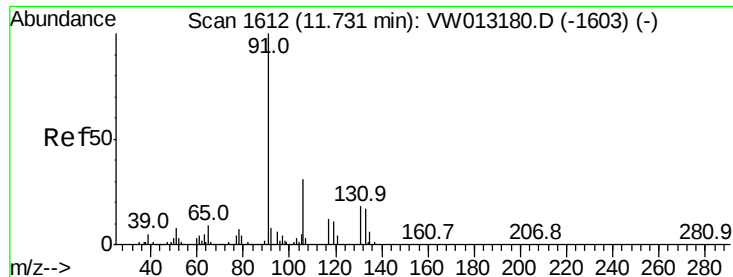
Tot Ion:112 Resp: 169047
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:131 Resp: 58358
Ion Ratio Lower Upper
131 100
133 97.3 47.5 142.6
119 66.3 32.5 97.5





#67

Ethyl Benzene

Concen: 20.921 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

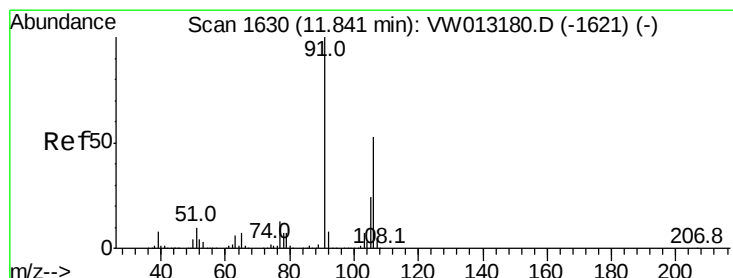
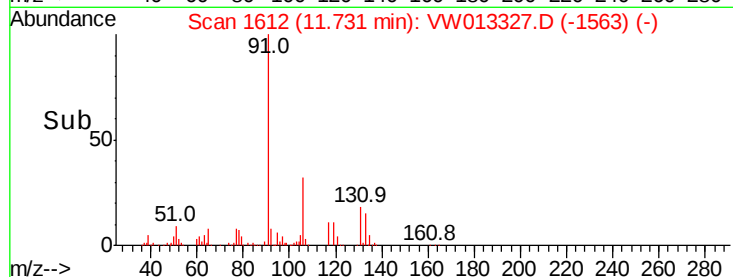
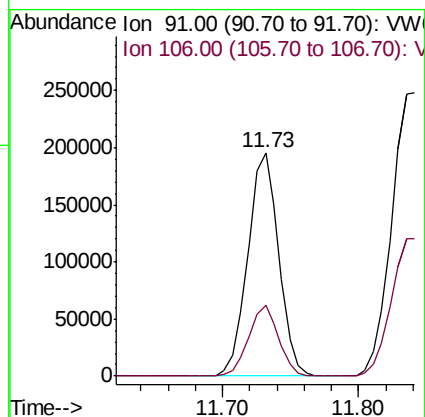
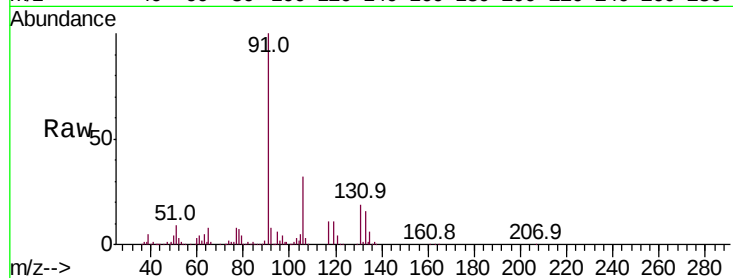
ClientSampleId :

Tot Ion: 91 Resp: 311641

Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3



#68

m/p-Xylenes

Concen: 41.612 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013327.D

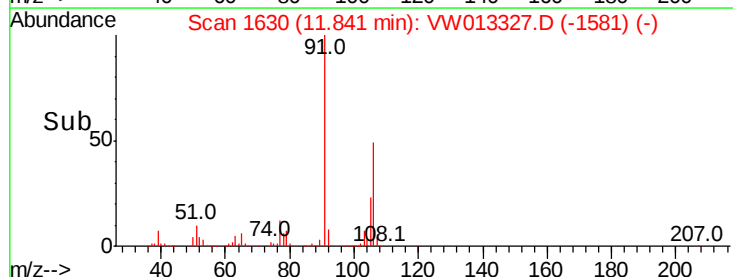
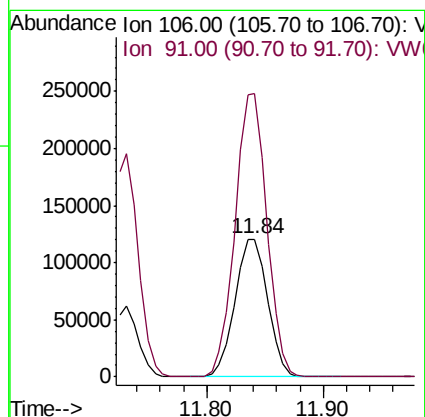
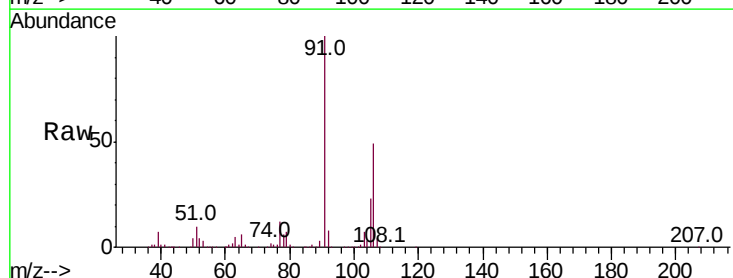
Acq: 30 Sep 2019 12:42

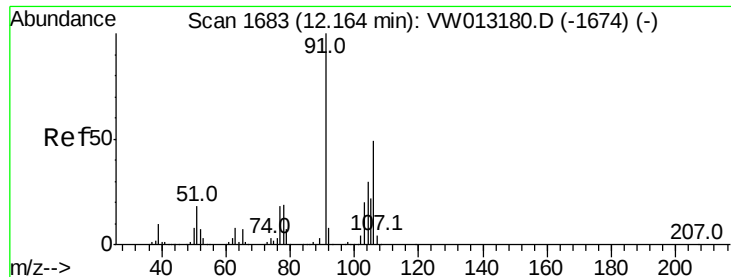
Tgt Ion:106 Resp: 236201

Ion Ratio Lower Upper

106 100

91 199.1 157.9 236.9

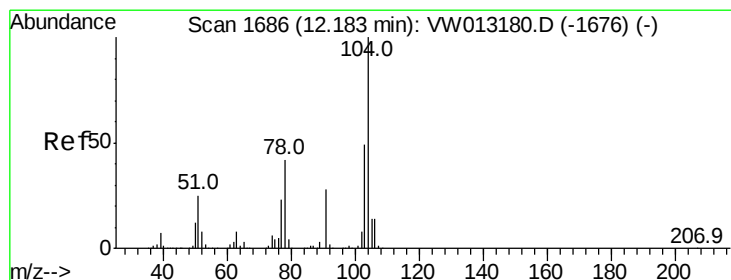
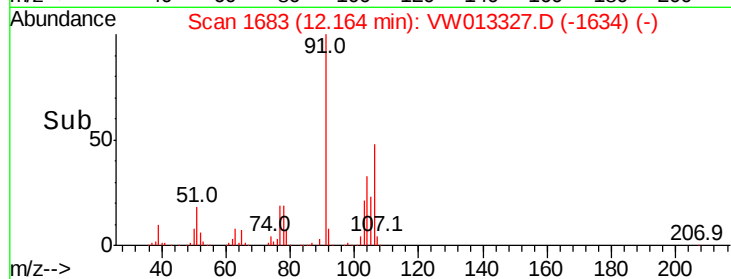
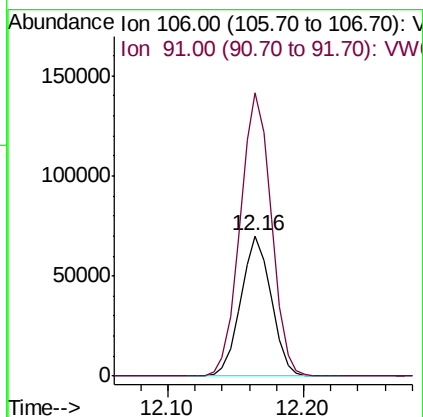
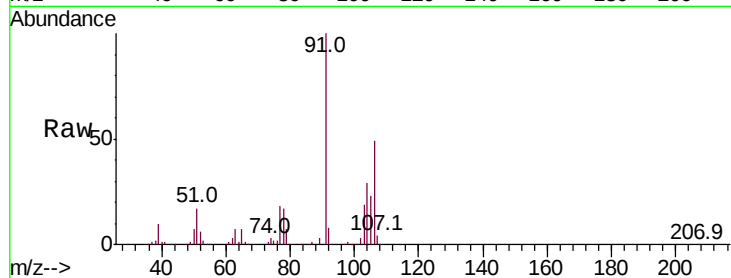




#69
o-Xylene
Concen: 20.722 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

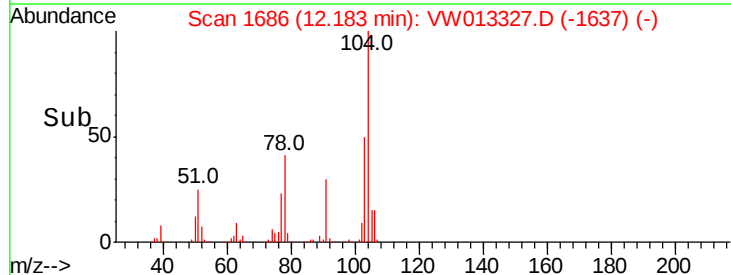
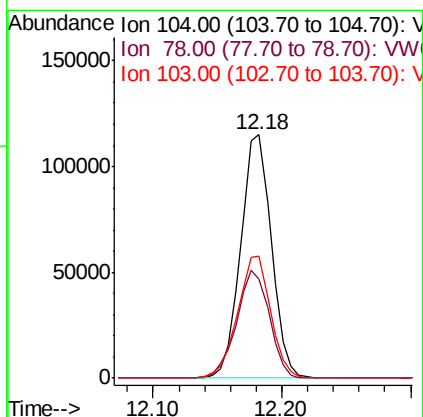
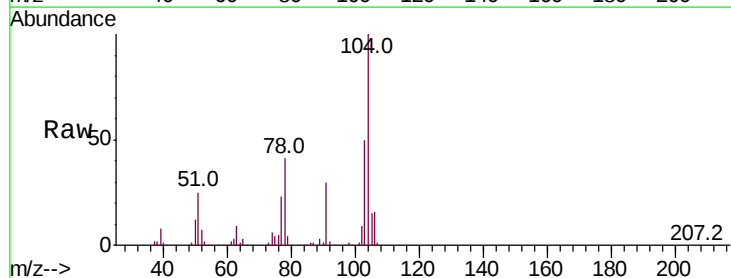
Instrument :
MSVOA_W
ClientSampleId :

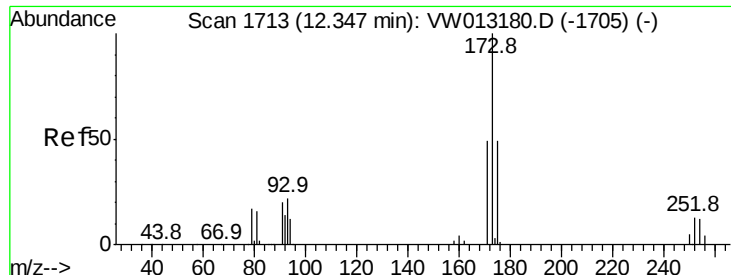
Tot Ion:106 Resp: 109360
Ion Ratio Lower Upper
106 100
91 206.5 106.5 319.5



#70
Styrene
Concen: 20.873 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:104 Resp: 189115
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 53.9 43.3 64.9

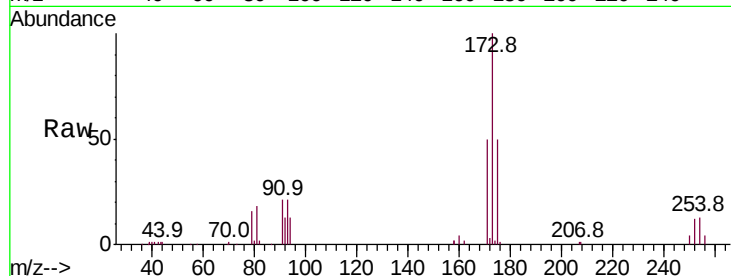




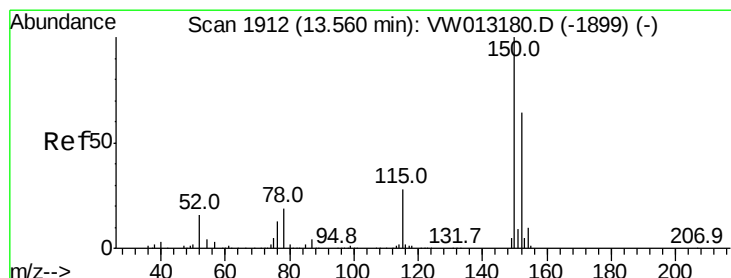
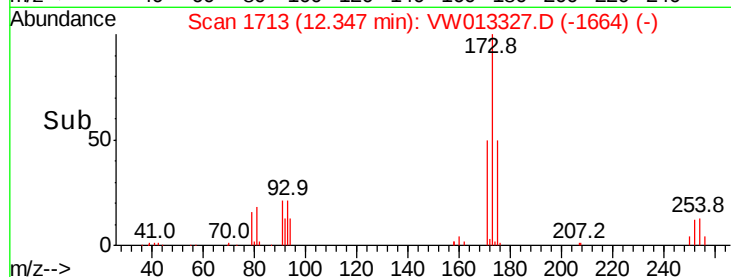
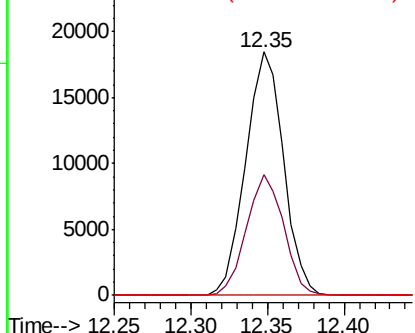
#71
Bromoform
Concen: 21.400 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 31754
Ion Ratio Lower Upper
173 100
175 48.5 24.3 73.0
254 0.0 0.1 0.1#

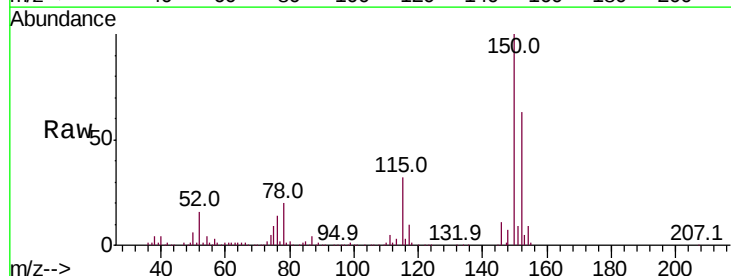


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

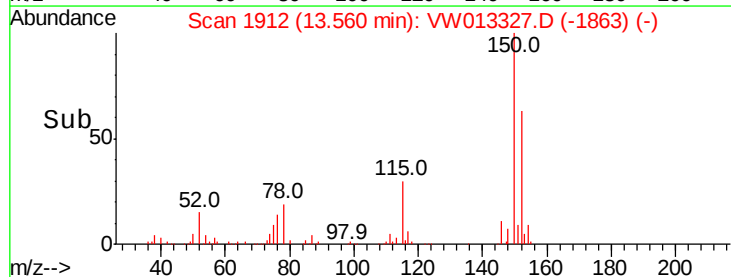
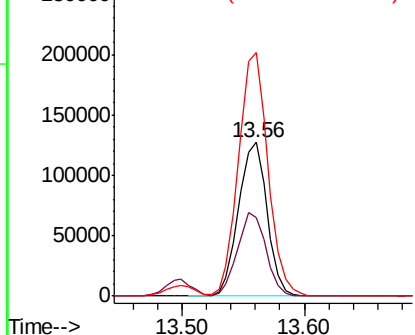


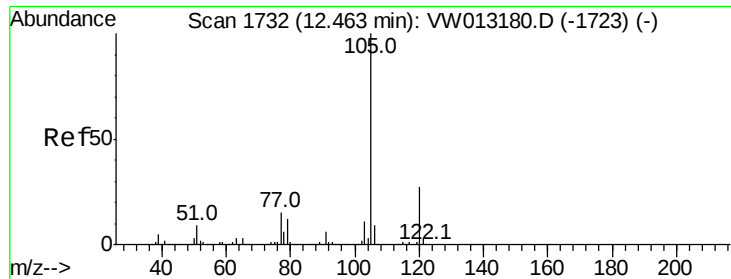
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:152 Resp: 205686
Ion Ratio Lower Upper
152 100
115 53.9 27.3 81.9
150 163.9 0.0 349.0



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

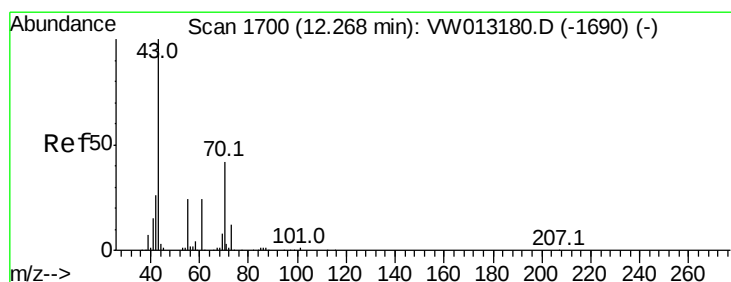
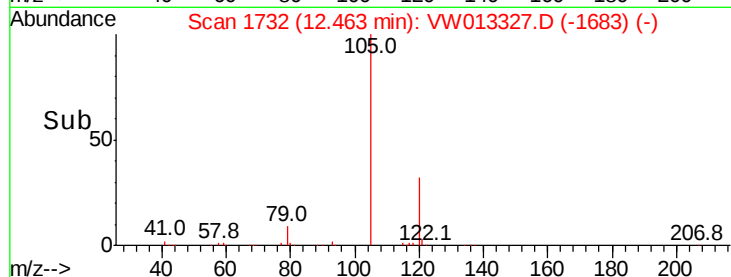
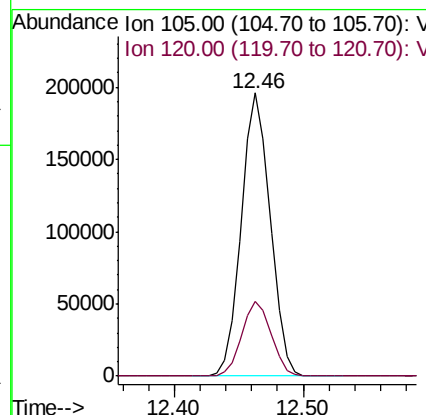
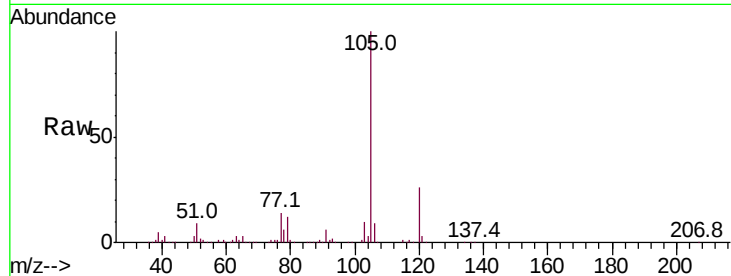




#73
Isopropylbenzene
Concen: 20.010 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

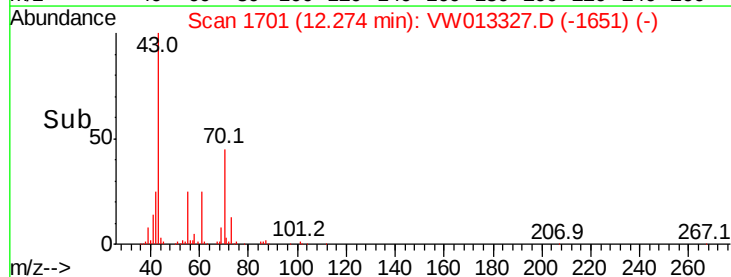
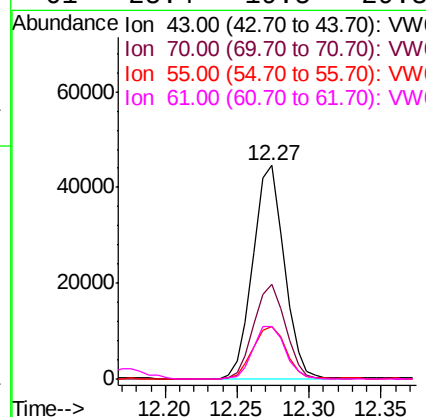
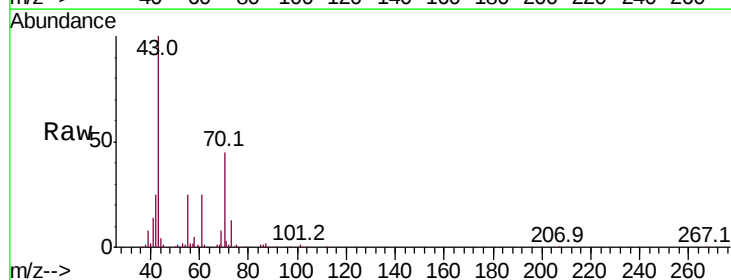
Instrument :
MSVOA_W
ClientSampleId :

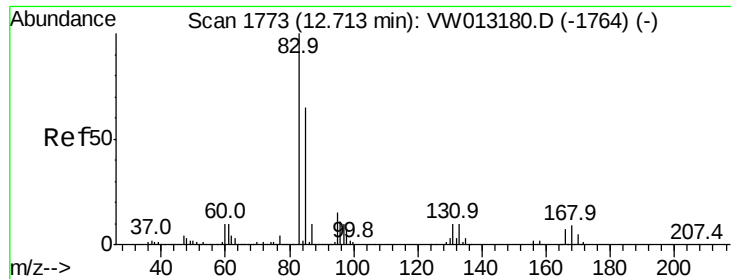
Tot Ion:105 Resp: 304032
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1



#74
N-ethyl acetate
Concen: 19.929 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 43 Resp: 67192
Ion Ratio Lower Upper
43 100
70 45.3 35.1 52.7
55 26.1 19.9 29.9
61 25.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.702 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

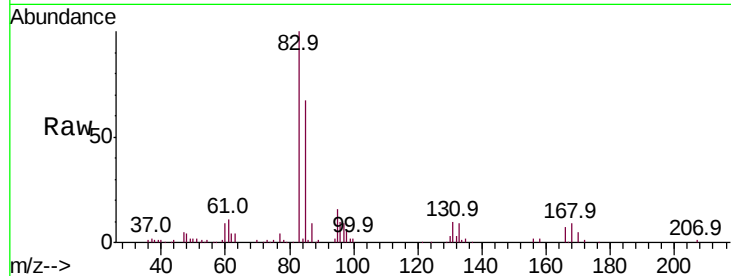
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 83 Resp: 52607

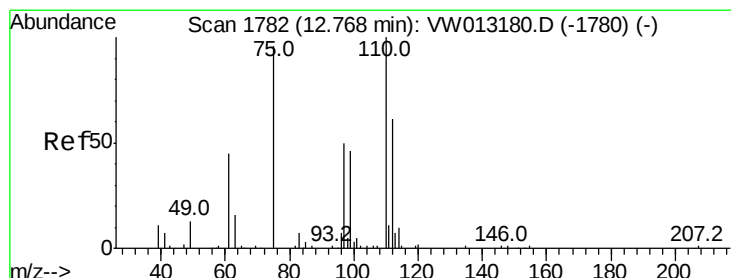
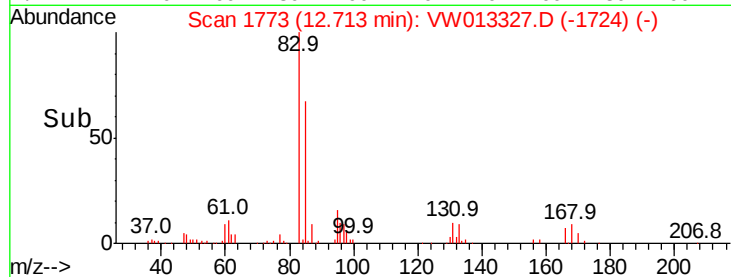
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.5	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.935 ug/l

RT: 12.77 min Scan# 1782

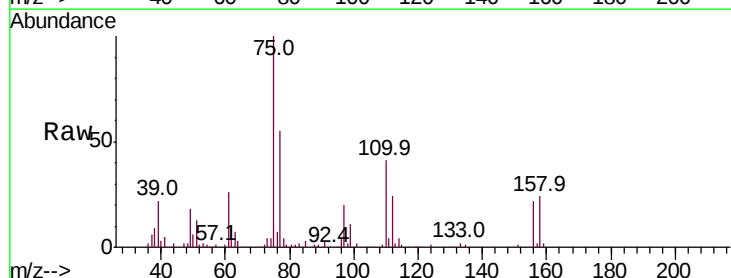
Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

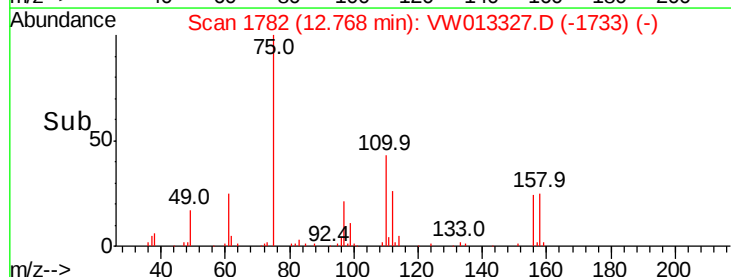
Tgt Ion: 75 Resp: 67092

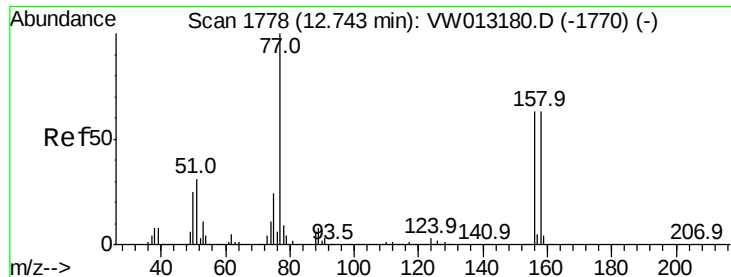
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.939 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

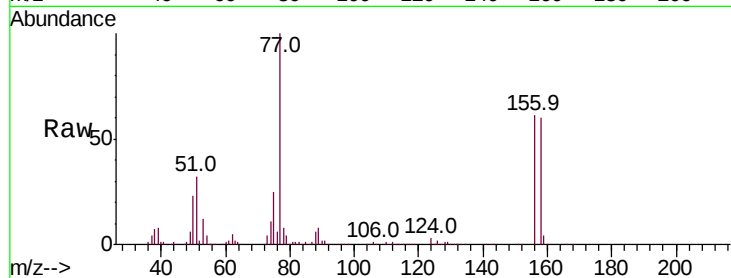
Tot Ion:156 Resp: 71793

Ion Ratio Lower Upper

156 100

77 173.1 85.7 257.1

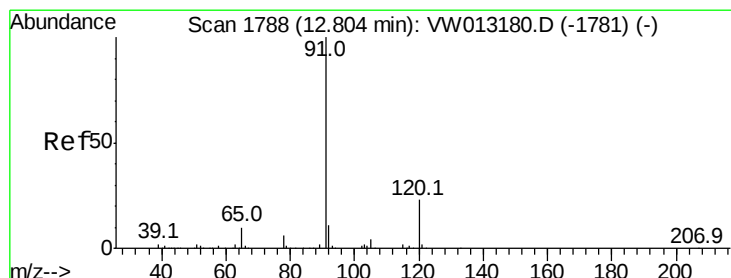
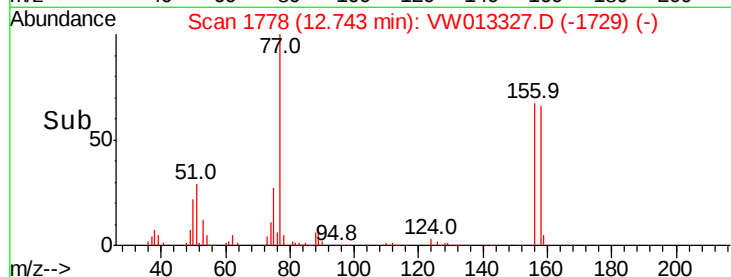
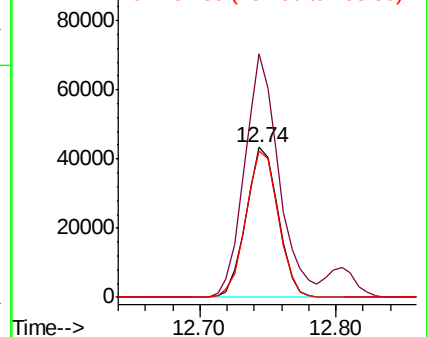
158 98.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.038 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013327.D

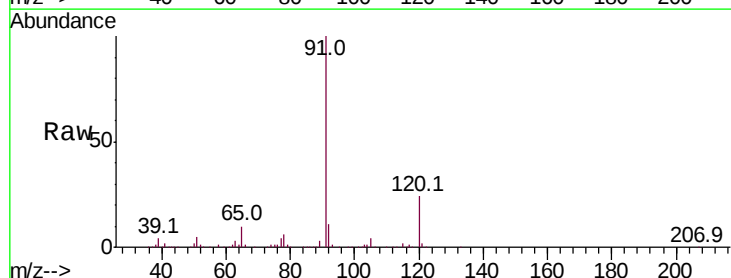
Acq: 30 Sep 2019 12:42

Tgt Ion: 91 Resp: 356377

Ion Ratio Lower Upper

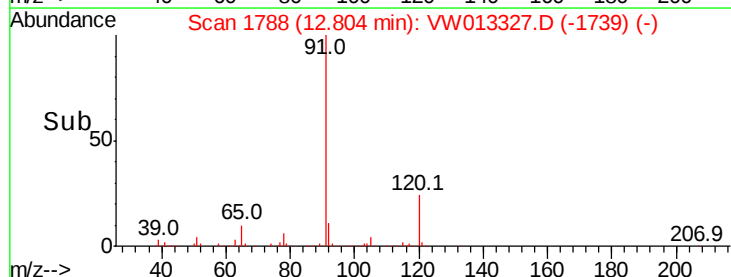
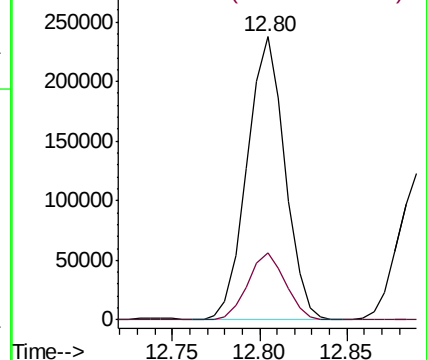
91 100

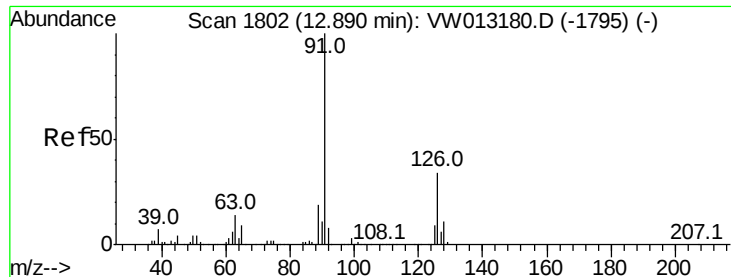
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

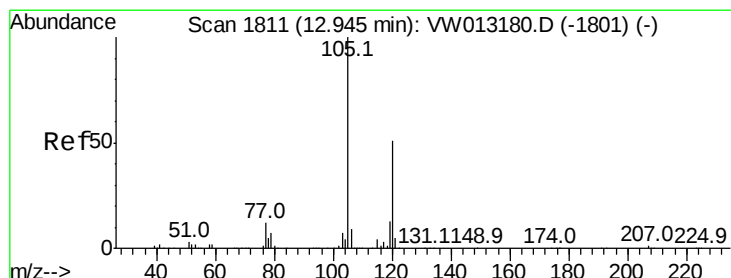
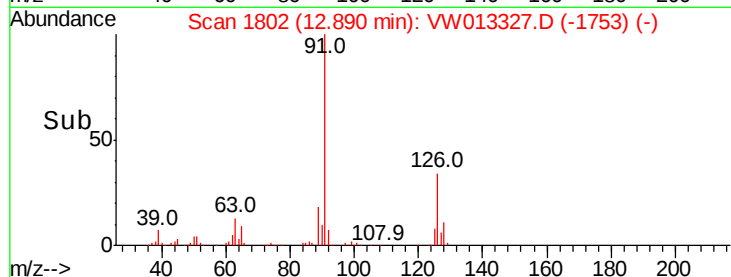
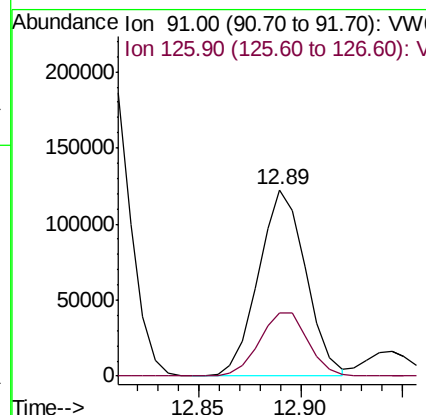
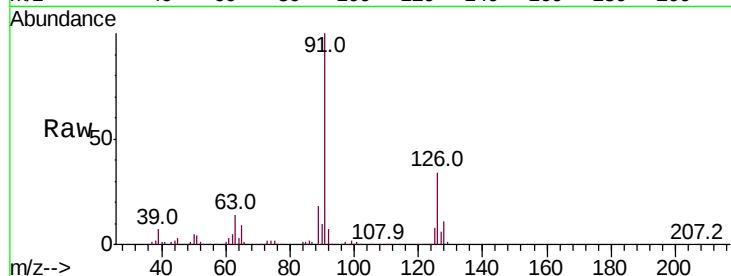




#79
 2-Chlorotoluene
 Concen: 19.820 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

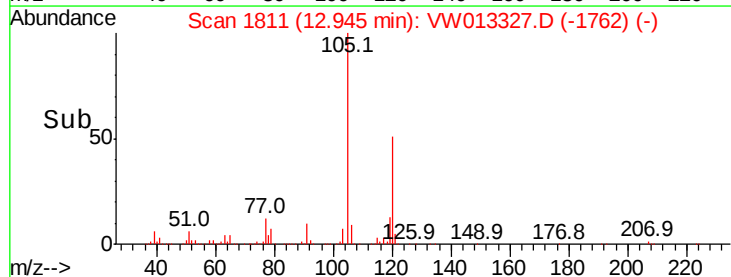
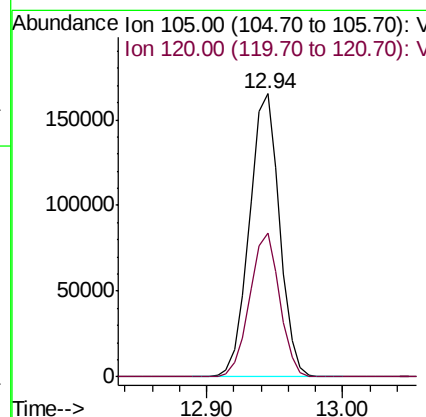
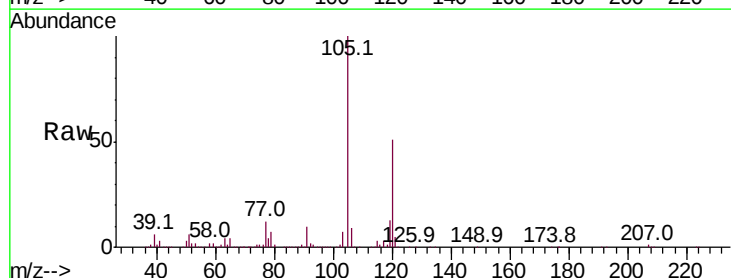
Instrument :
 MSVOA_W
 ClientSampled :

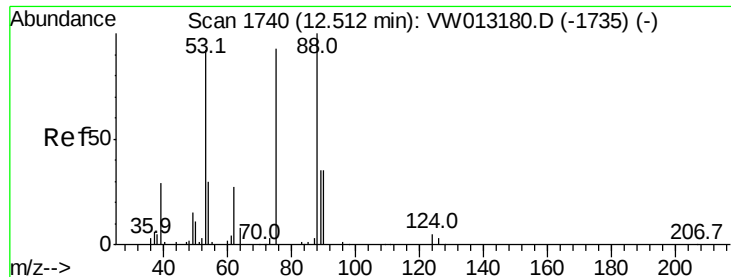
Tot Ion: 91 Resp: 197490
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.089 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion:105 Resp: 256589
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.9 74.8

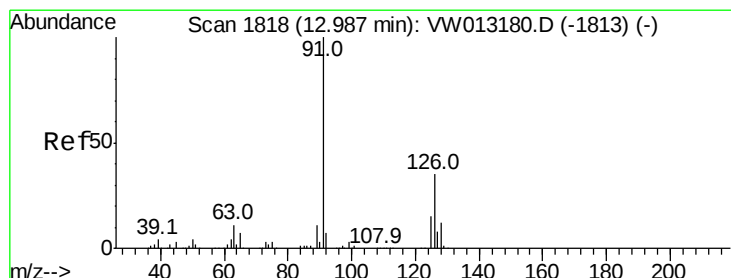
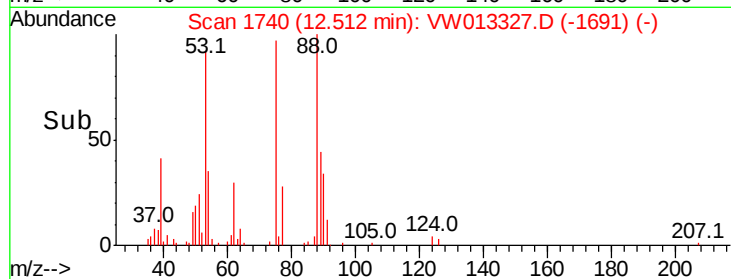
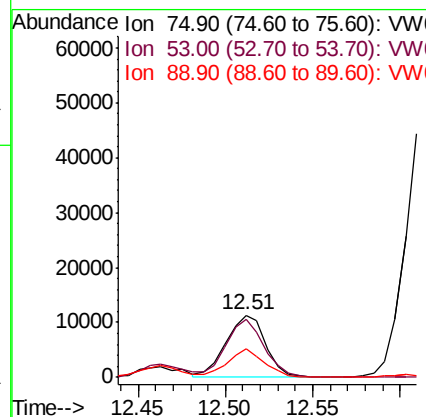
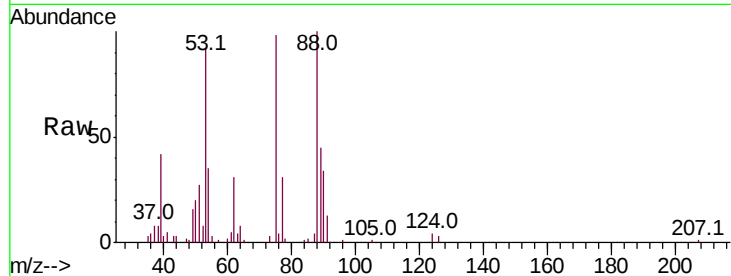




#81
trans-1,4-Dichloro-2-butene
Concen: 22.014 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

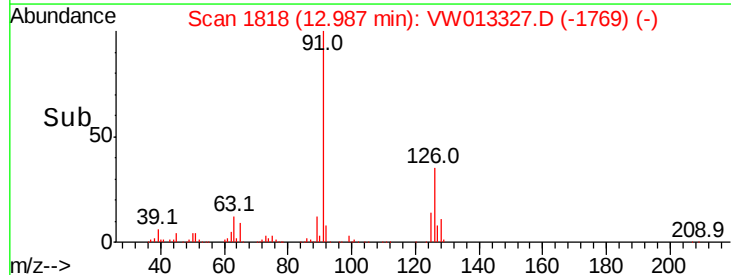
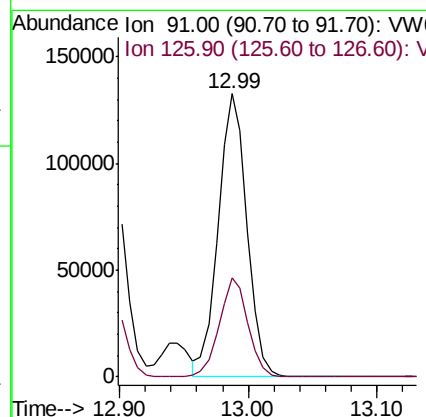
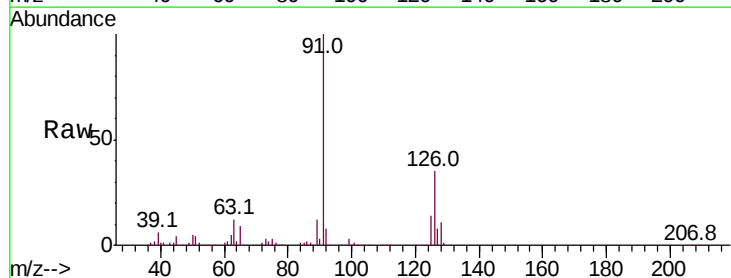
Instrument :
MSVOA_W
ClientSampleId :

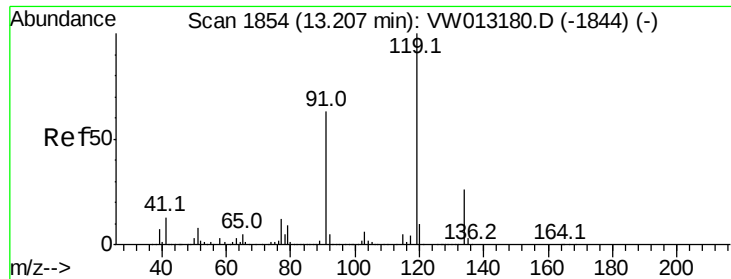
Tot Ion: 75 Resp: 17821
Ion Ratio Lower Upper
75 100
53 91.6 76.6 114.8
89 40.7 33.5 50.3



#82
4-Chlorotoluene
Concen: 19.634 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 91 Resp: 206304
Ion Ratio Lower Upper
91 100
126 34.8 17.3 51.7

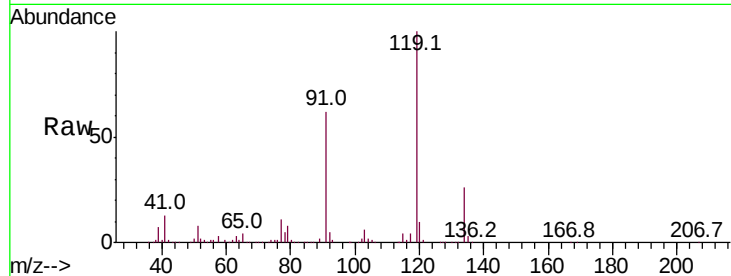




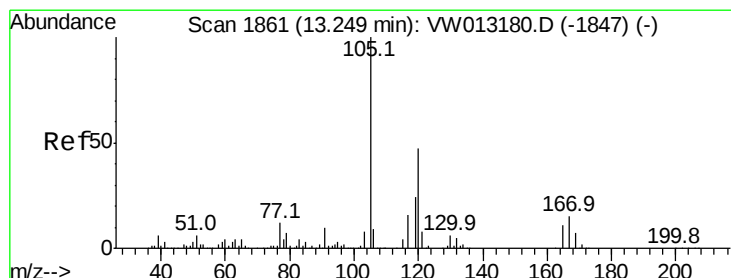
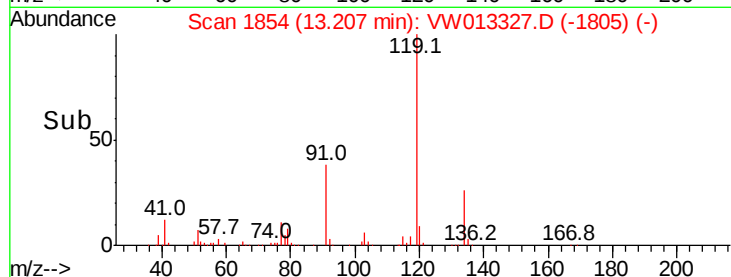
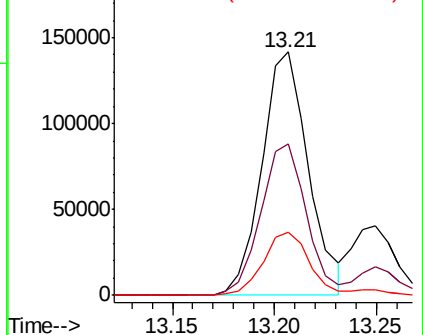
#83
tert-Butylbenzene
Concen: 20.078 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 225084
Ion Ratio Lower Upper
119 100
91 61.1 30.7 92.1
134 25.9 12.6 37.6

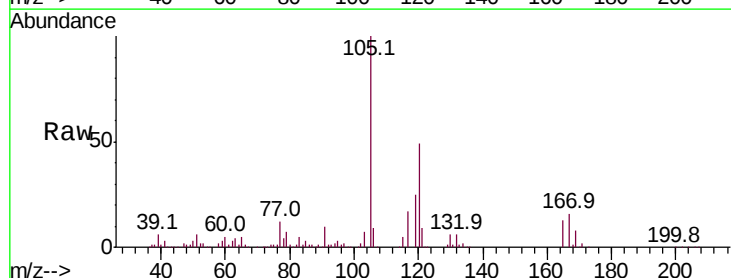


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

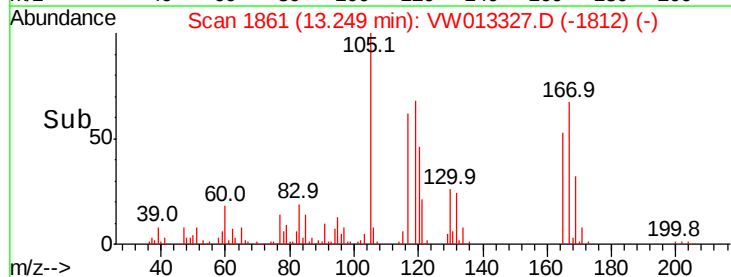
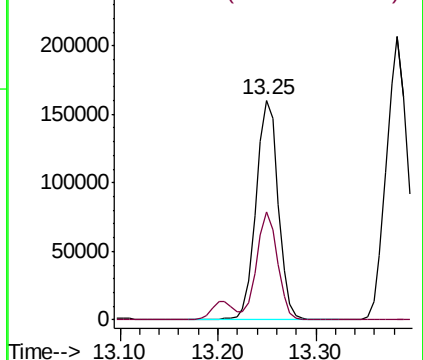


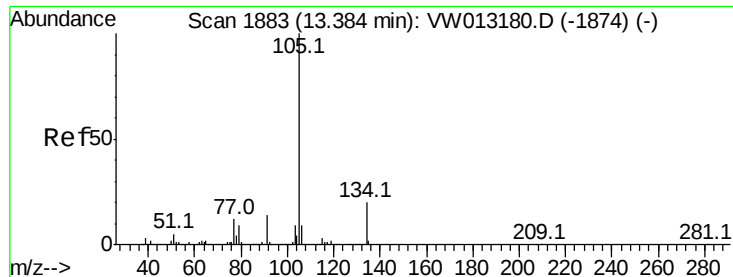
#84
1,2,4-Trimethylbenzene
Concen: 19.976 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:105 Resp: 253892
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.170 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

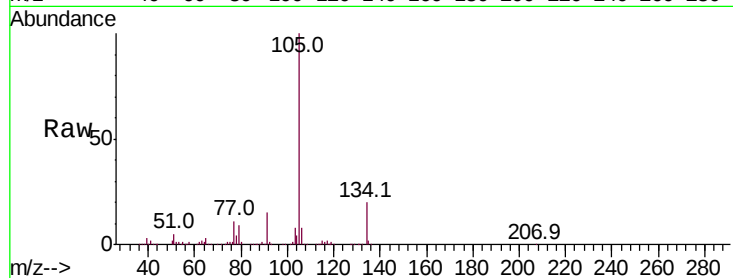
ClientSampleId :

Tot Ion:105 Resp: 311738

Ion Ratio Lower Upper

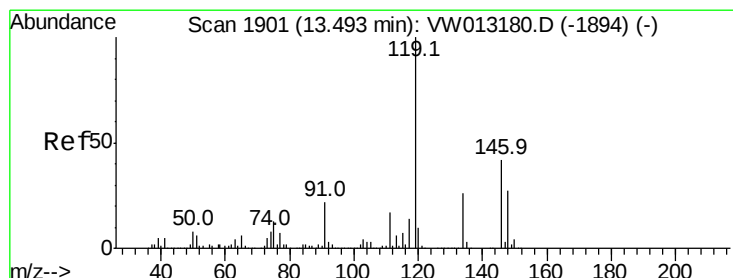
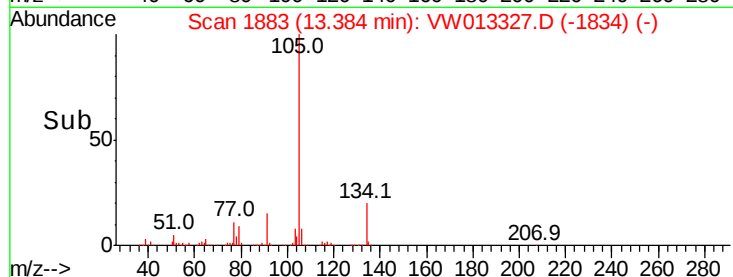
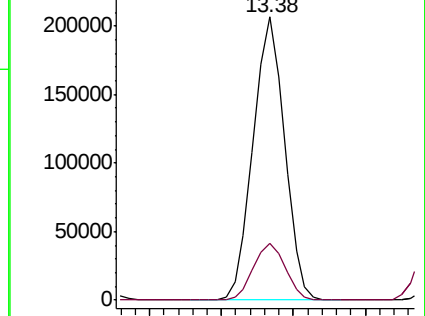
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

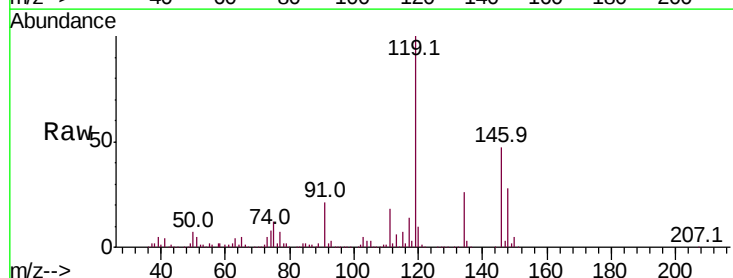
Tgt Ion:119 Resp: 291494

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

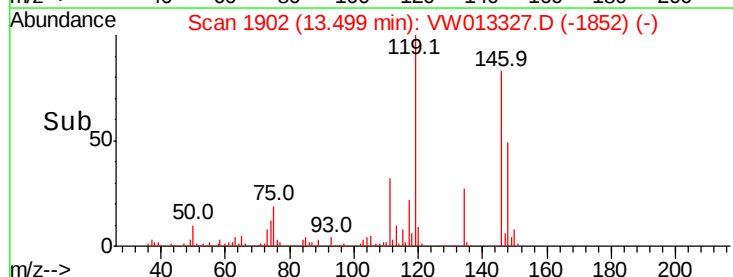
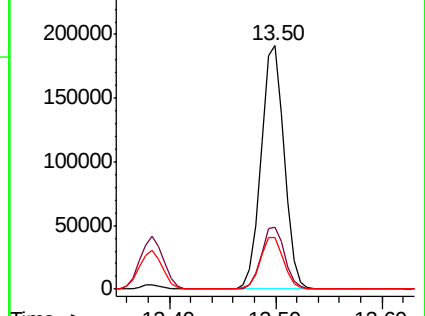
91 21.5 10.8 32.4

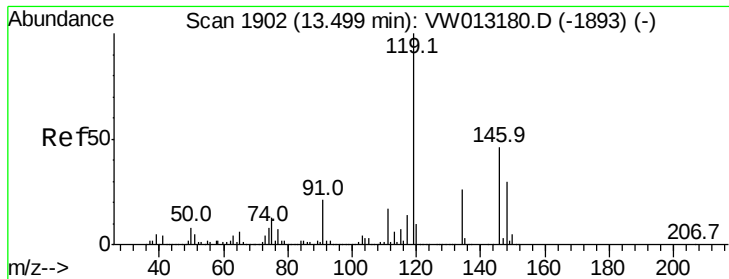


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

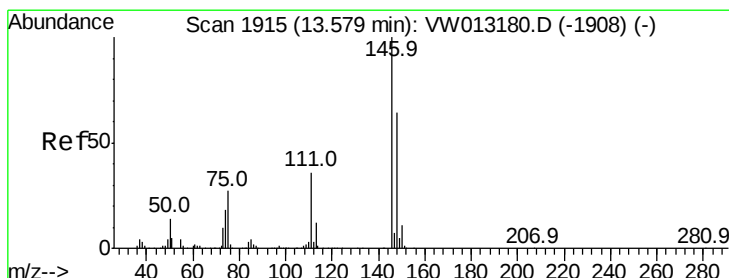
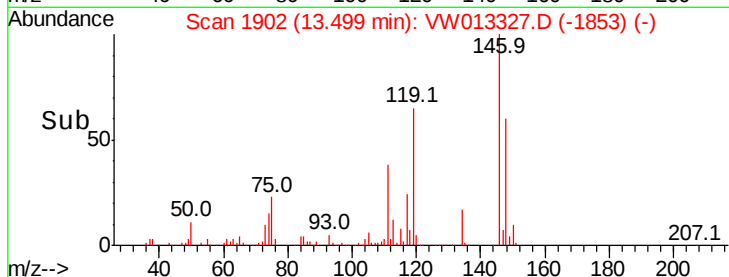
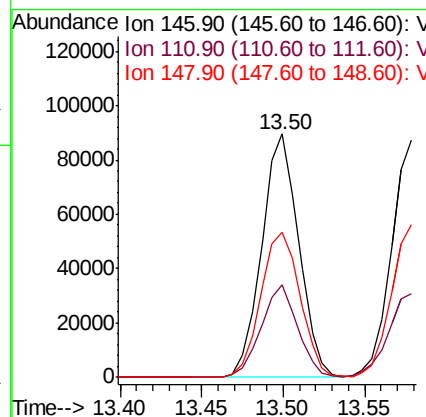
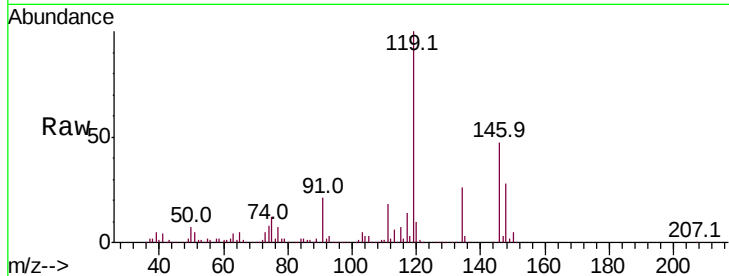




#87
 1,3-Dichlorobenzene
 Concen: 20.261 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

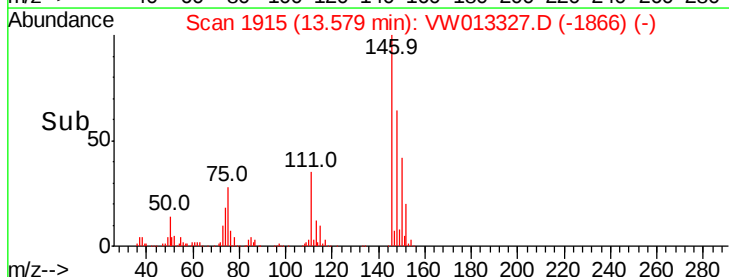
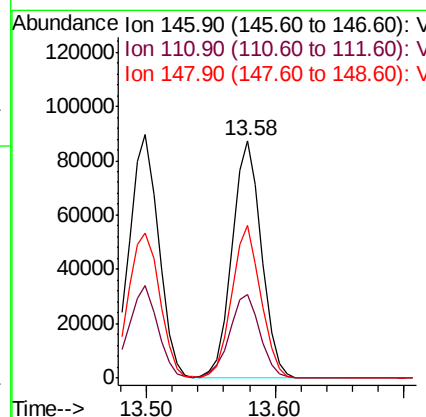
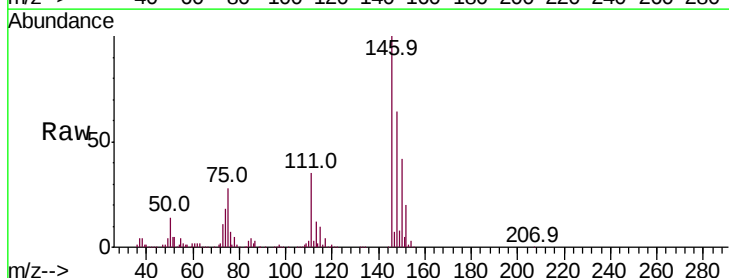
Instrument :
 MSVOA_W
 ClientSampleId :

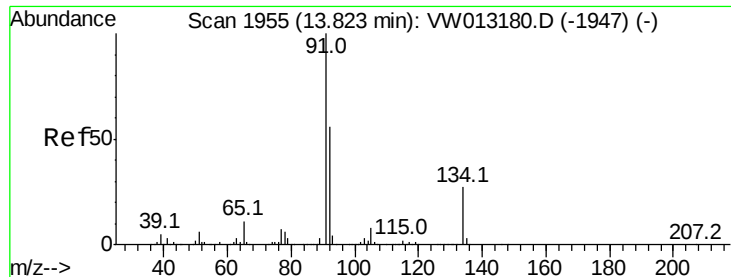
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.497 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	63.4	32.1	96.3





#89

n-Butylbenzene

Concen: 20.107 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

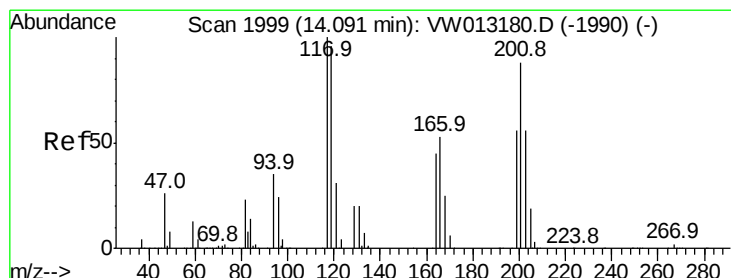
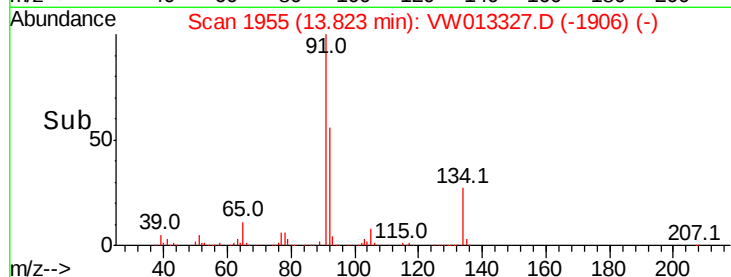
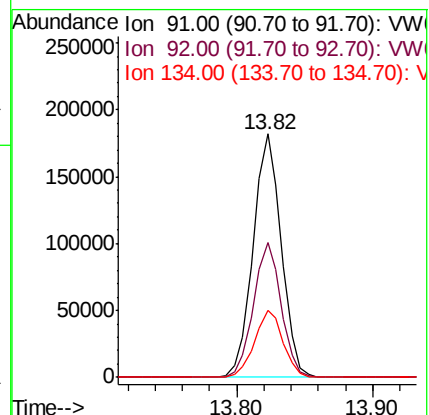
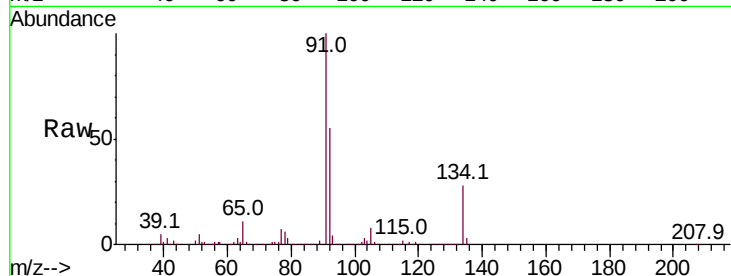
Tot Ion: 91 Resp: 263187

Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	27.8	13.7	41.1

91 100

92 54.8 27.6 82.8

134 27.8 13.7 41.1



#90

Hexachloroethane

Concen: 20.524 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013327.D

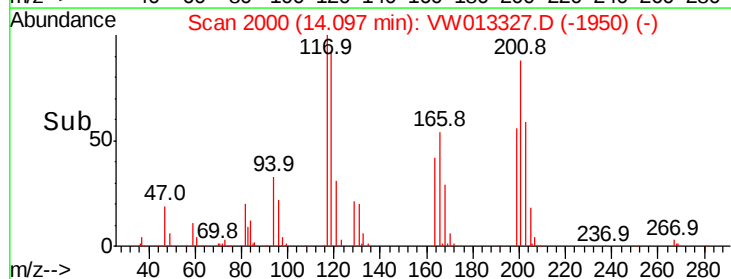
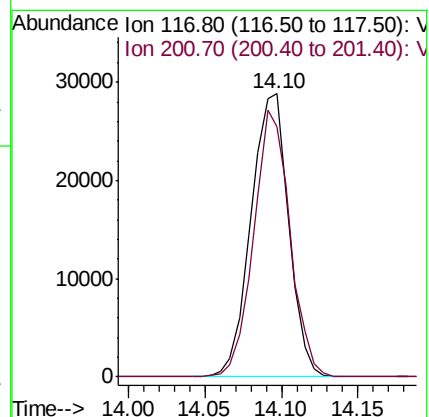
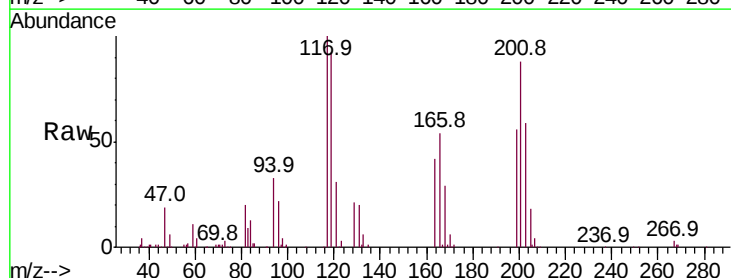
Acq: 30 Sep 2019 12:42

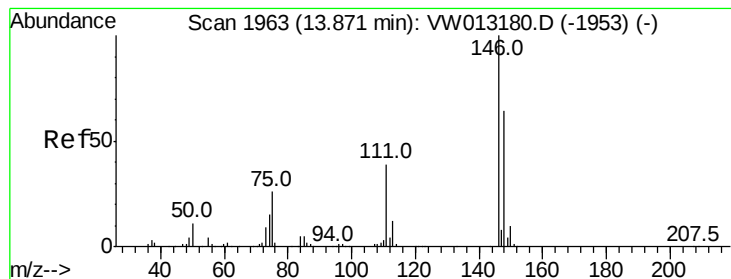
Tgt Ion: 117 Resp: 49425

Ion	Ratio	Lower	Upper
117	100		
201	90.7	44.5	133.5

117 100

201 90.7 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 20.409 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

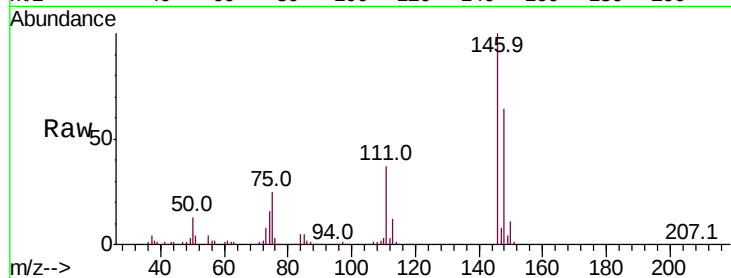
Tot Ion:146 Resp: 122352

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.3

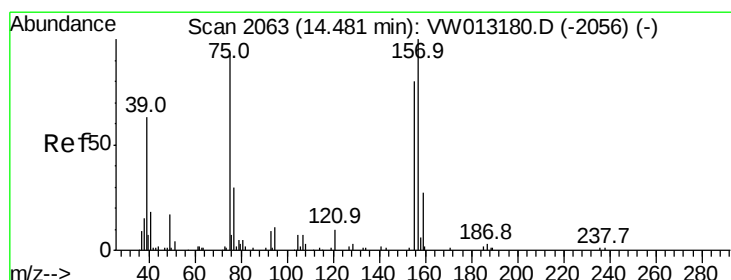
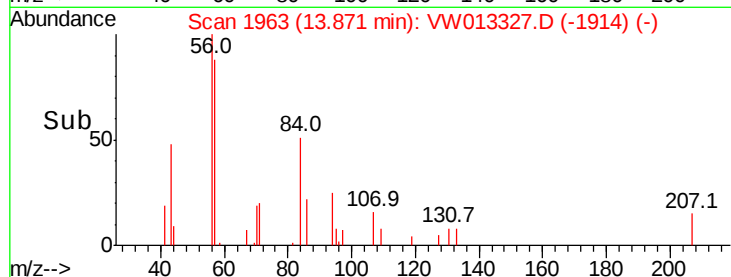
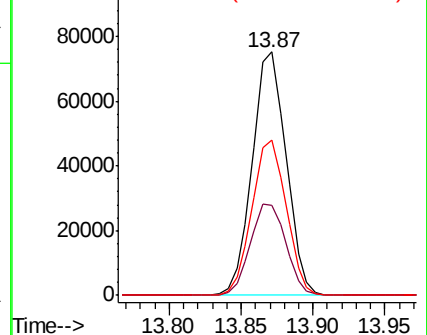
148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.647 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

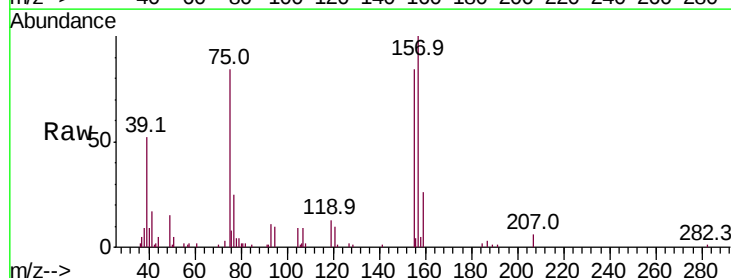
Tgt Ion: 75 Resp: 8025

Ion Ratio Lower Upper

75 100

155 99.7 46.1 138.3

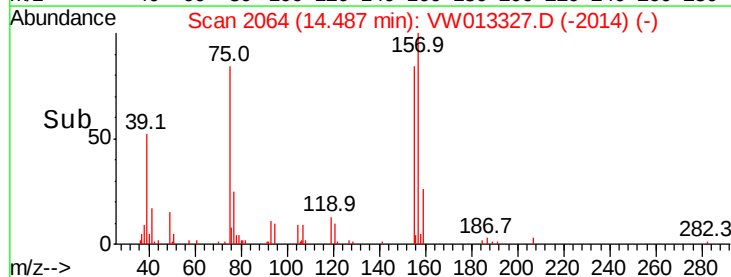
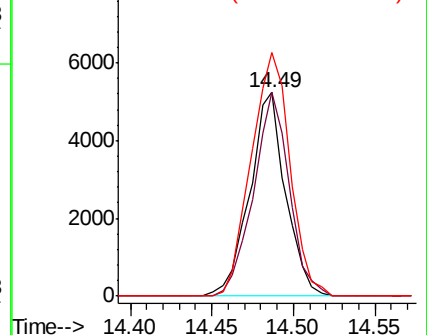
157 129.5 60.4 181.2

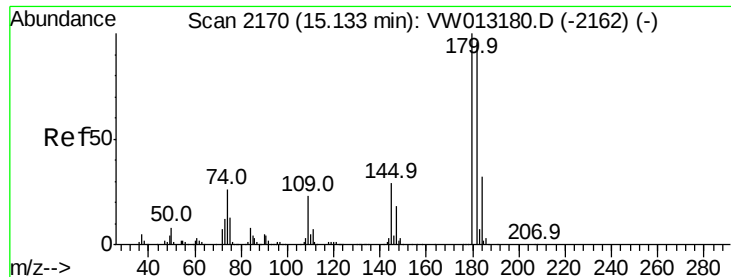


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

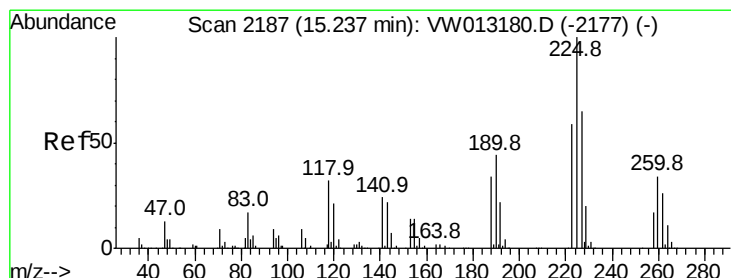
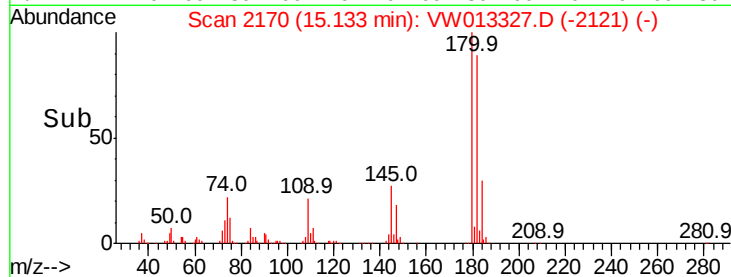
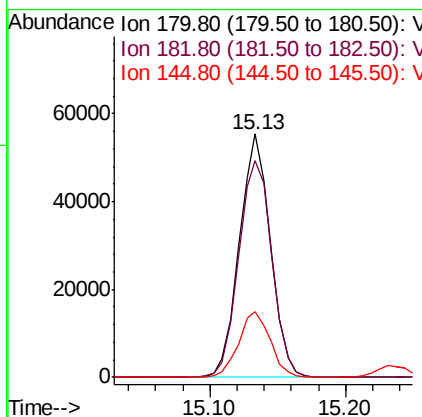
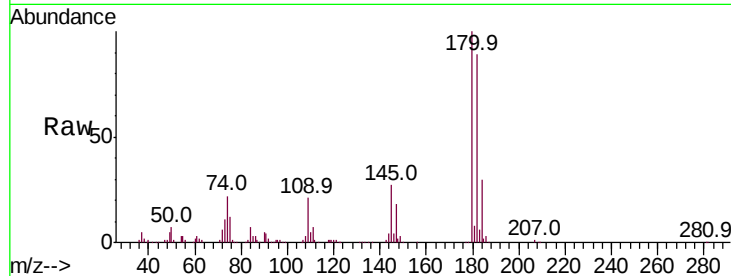




#93
 1,2,4-Trichlorobenzene
 Concen: 20.552 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

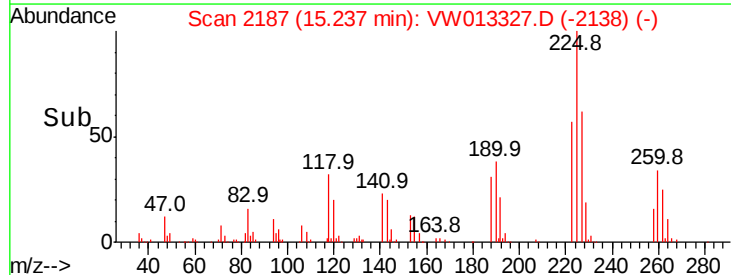
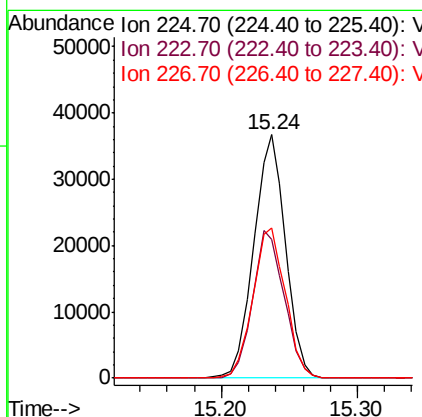
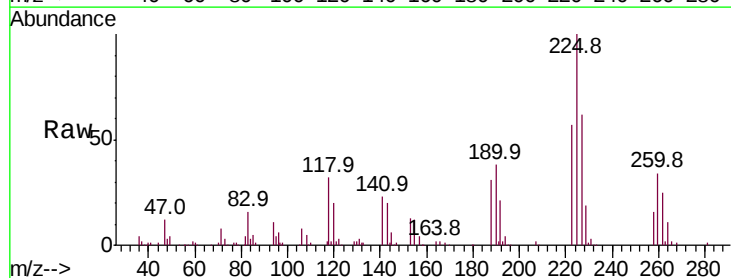
Instrument :
 MSVOA_W
 ClientSampleId :

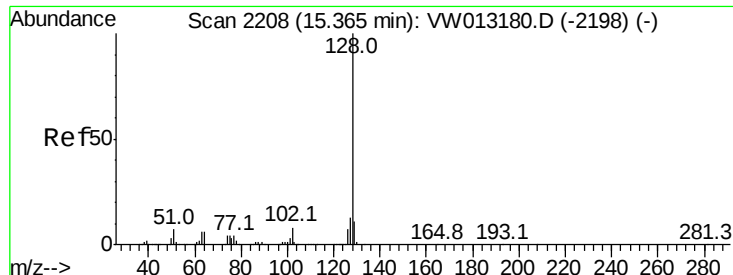
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	27.4	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 20.396 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.6	91.8
227	63.6	31.9	95.9

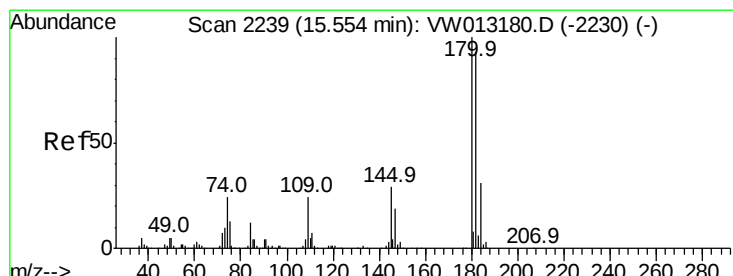
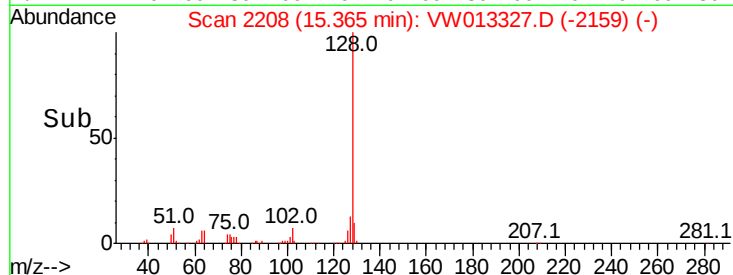
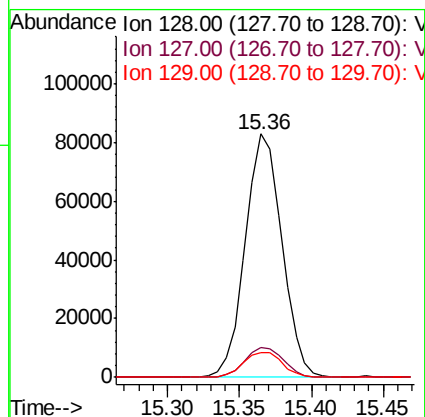
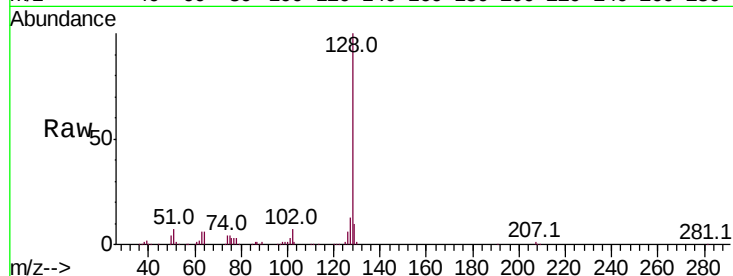




#95
Naphthalene
Concen: 20.827 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 146333
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.095 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:180 Resp: 74593
Ion Ratio Lower Upper
180 100
182 97.0 47.9 143.7
145 31.8 15.0 45.0

