

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013269.D
 Acq On : 24 Sep 2019 12:10
 Operator : SY/VA
 Sample : VW0924SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Quant Time: Sep 25 07:09:05 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	332029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131166	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.88	113	126350	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.32	98	531048	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	186354	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39497	20.622	ug/l	96
3) Chloromethane	2.21	50	48435	19.673	ug/l	98
4) Vinyl Chloride	2.36	62	62592	19.720	ug/l	100
5) Bromomethane	2.77	94	38547	19.164	ug/l	97
6) Chloroethane	2.90	64	34038	18.193	ug/l	98
7) Trichlorofluoromethane	3.24	101	29785	16.274	ug/l	100
8) Diethyl Ether	3.68	74	32459	20.763	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	58497	19.632	ug/l	99
10) Methyl Iodide	4.26	142	88014	19.051	ug/l	99
11) Tert butyl alcohol	5.21	59	22413	109.203	ug/l	95
12) 1,1-Dichloroethene	4.03	96	60128	19.487	ug/l	94
13) Acrolein	3.89	56	17521	112.319	ug/l	97
14) Allyl chloride	4.66	41	95650	19.478	ug/l	99
15) Acrylonitrile	5.37	53	83703	124.049	ug/l	98
16) Acetone	4.14	43	72839	119.193	ug/l	98
17) Carbon Disulfide	4.37	76	165309	18.535	ug/l	98
18) Methyl Acetate	4.67	43	44195	25.728	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	101367	21.435	ug/l	96
20) Methylene Chloride	4.91	84	66021	19.343	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	65405	19.612	ug/l	95
22) Diisopropyl ether	6.31	45	188726	20.210	ug/l	98
23) Vinyl Acetate	6.25	43	602492	108.755	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110084	19.536	ug/l	99
25) 2-Butanone	7.17	43	108750	118.547	ug/l	93
26) 2,2-Dichloropropane	7.17	77	69977	18.667	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	69375	19.712	ug/l	100
28) Bromochloromethane	7.51	49	35942	16.619	ug/l	99
29) Tetrahydrofuran	7.53	42	72698	129.221	ug/l	98
30) Chloroform	7.67	83	106365	19.280	ug/l	100
31) Cyclohexane	7.95	56	117290	19.968	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88094	19.716	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92481	20.188	ug/l	100
37) Ethyl Acetate	7.25	43	48068	24.689	ug/l	99
38) Carbon Tetrachloride	8.07	117	80156	19.519	ug/l	95

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Instrument :
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Quant Time: Sep 25 07:09:05 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)
39) Methylcyclohexane	9.33	83	120004	20.384	ug/l	98
40) Benzene	8.32	78	256734	20.092	ug/l	98
41) Methacrylonitrile	7.48	41	28529	24.552	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69755	20.308	ug/l	98
43) Isopropyl Acetate	8.42	43	86900	23.288	ug/l	98
44) Trichloroethene	9.09	130	69595	19.412	ug/l	100
45) 1,2-Dichloropropane	9.37	63	63710	20.422	ug/l	97
46) Dibromomethane	9.46	93	33067	21.833	ug/l	99
47) Bromodichloromethane	9.64	83	74087	19.224	ug/l #	98
48) Methyl methacrylate	9.43	41	44265	25.228	ug/l	94
49) 1,4-Dioxane	9.47	88	12431	546.789	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	232961	124.533	ug/l	99
52) Toluene	10.38	92	165287	20.183	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82433	20.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98626	20.487	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48962	21.628	ug/l	95
56) Ethyl methacrylate	10.64	69	67809	22.888	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85560	21.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	148751	108.454	ug/l	98
59) 2-Hexanone	10.97	43	165736	128.775	ug/l	100
60) Dibromochloromethane	11.13	129	53239	20.712	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47177	21.918	ug/l	99
64) Tetrachloroethene	10.86	164	62153	19.790	ug/l	96
65) Chlorobenzene	11.66	112	169113	19.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	59756	20.236	ug/l	99
67) Ethyl Benzene	11.73	91	314601	20.088	ug/l	99
68) m/p-Xylenes	11.84	106	237787	39.844	ug/l	98
69) o-Xylene	12.16	106	110933	19.993	ug/l	99
70) Styrene	12.18	104	193830	20.348	ug/l	99
71) Bromoform	12.35	173	33439	21.435	ug/l	97
73) Isopropylbenzene	12.46	105	312463	20.392	ug/l	100
74) N-amyl acetate	12.27	43	78682	23.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58762	22.931	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	75399	41.161	ug/l #	100
77) Bromobenzene	12.74	156	72406	19.941	ug/l	95
78) n-propylbenzene	12.80	91	364187	20.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	201484	20.052	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	260319	20.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	19610	24.022	ug/l	96
82) 4-Chlorotoluene	12.99	91	212179	20.024	ug/l	100
83) tert-Butylbenzene	13.21	119	230669	20.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	261462	20.400	ug/l	100
85) sec-Butylbenzene	13.38	105	320142	20.540	ug/l	100
86) p-Isopropyltoluene	13.50	119	296949	20.541	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	139382	19.946	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141291	20.616	ug/l	99
89) n-Butylbenzene	13.82	91	272004	20.606	ug/l	99
90) Hexachloroethane	14.09	117	46500	19.147	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125293	20.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9938	25.355	ug/l	97

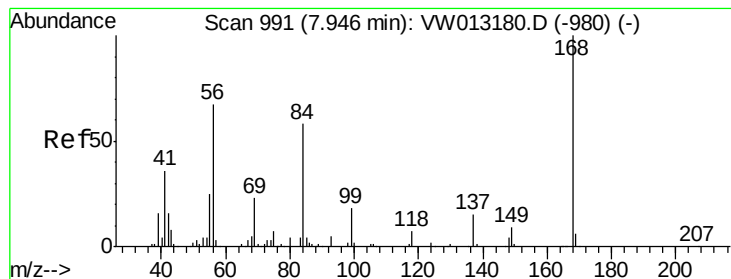
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93341	21.546	ug/l	99
94) Hexachlorobutadiene	15.24	225	60604	20.448	ug/l	100
95) Naphthalene	15.36	128	186045	26.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	83238	22.237	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: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

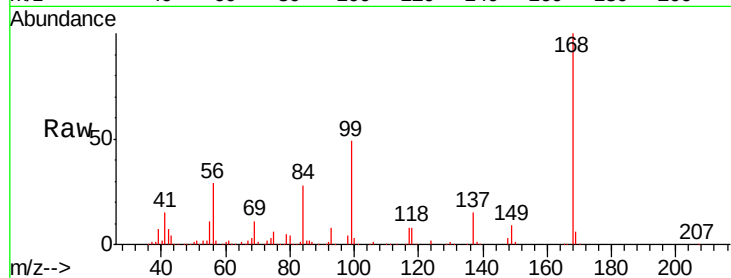
VW0924SBS01

Tgt Ion:168 Resp: 332029

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

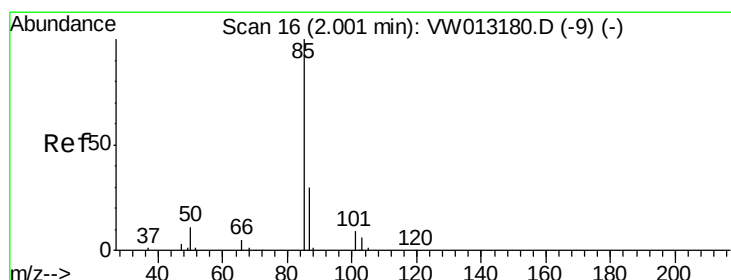
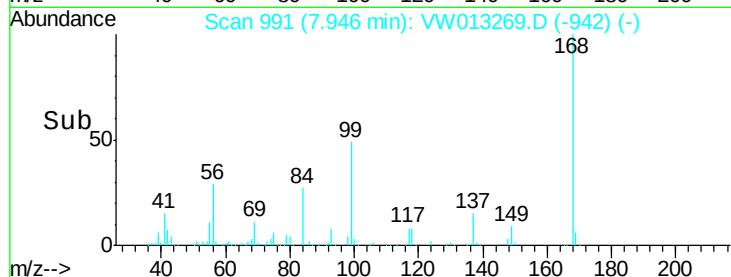
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.622 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013269.D

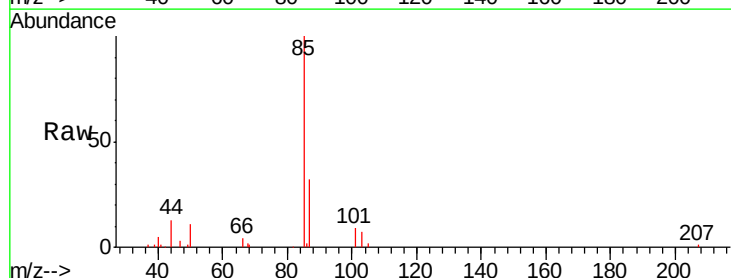
Acq: 24 Sep 2019 12:10

Tgt Ion: 85 Resp: 39497

Ion Ratio Lower Upper

85 100

87 32.4 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

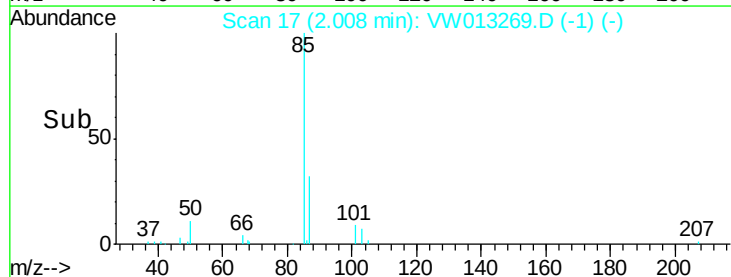
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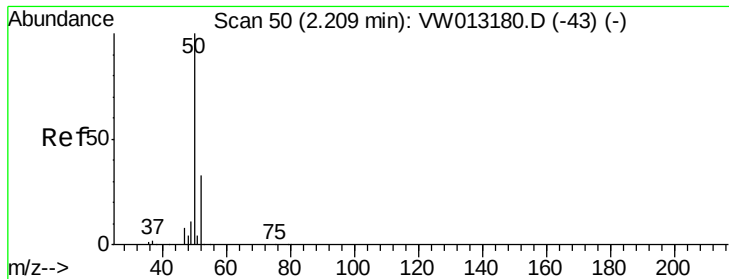
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.673 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

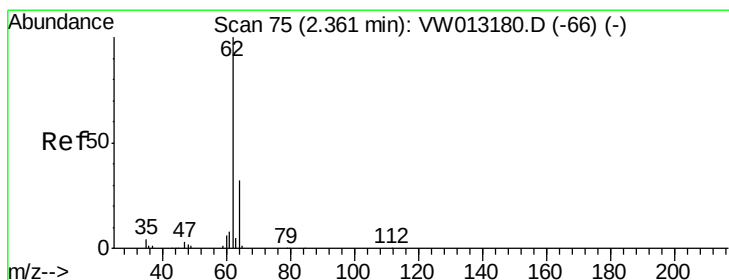
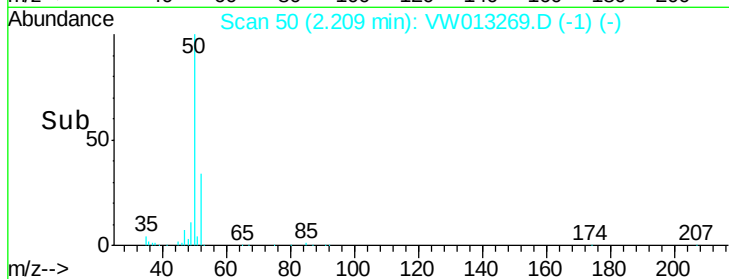
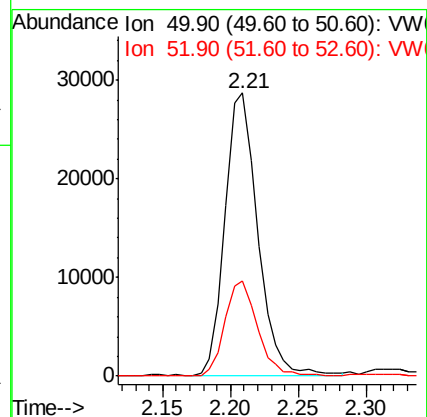
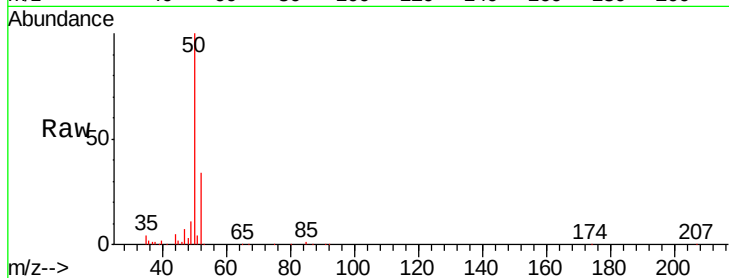
VW0924SBS01

Tgt Ion: 50 Resp: 48435

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 19.720 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013269.D

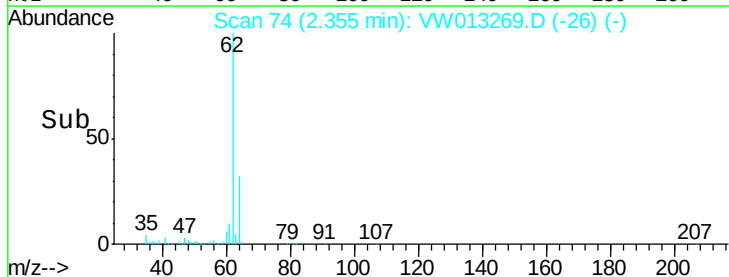
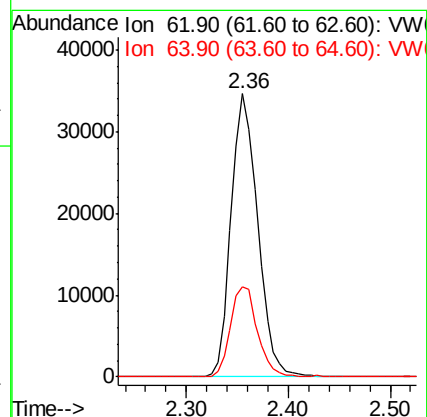
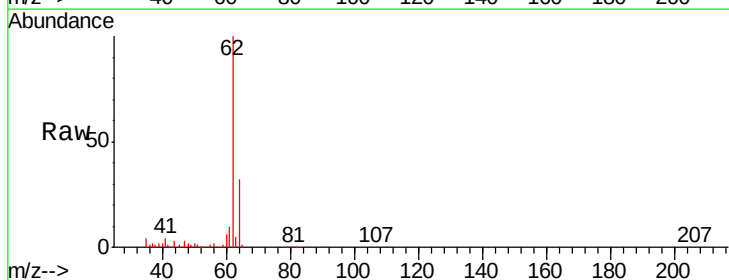
Acq: 24 Sep 2019 12:10

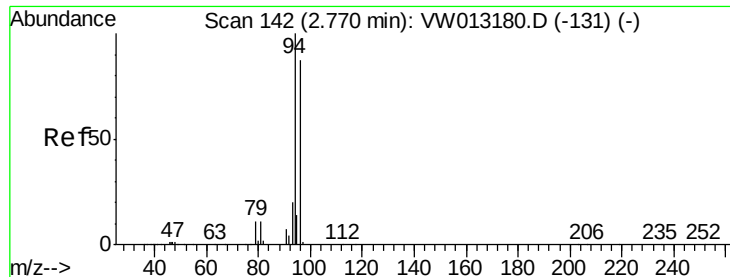
Tgt Ion: 62 Resp: 62592

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 19.164 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

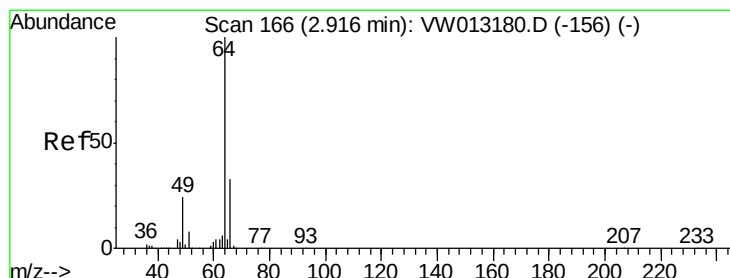
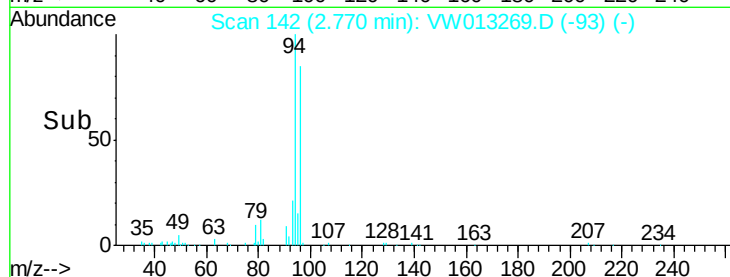
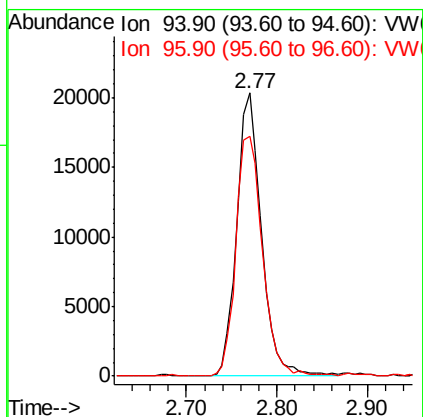
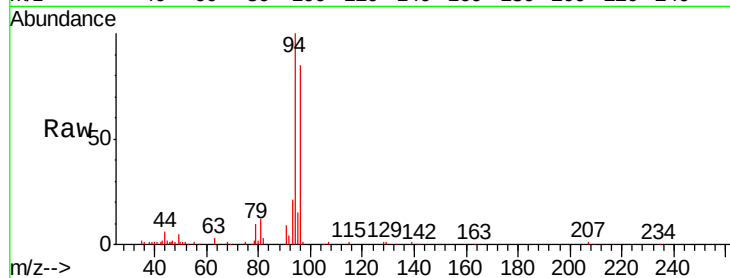
VW0924SBS01

Tgt Ion: 94 Resp: 38547

Ion Ratio Lower Upper

94 100

96 84.7 69.7 104.5



#6

Chloroethane

Concen: 18.193 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013269.D

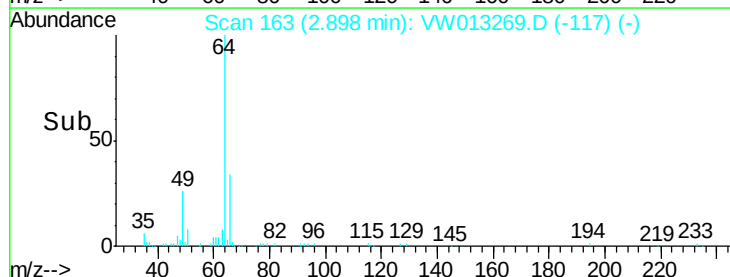
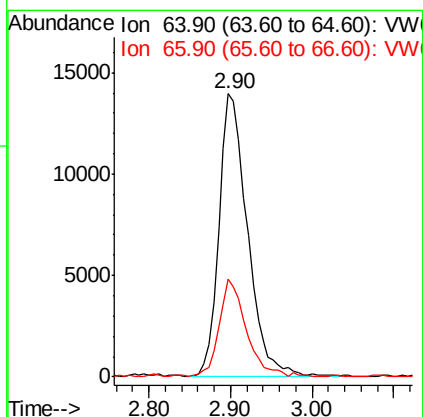
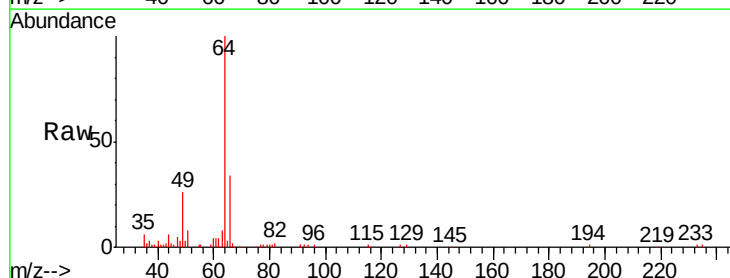
Acq: 24 Sep 2019 12:10

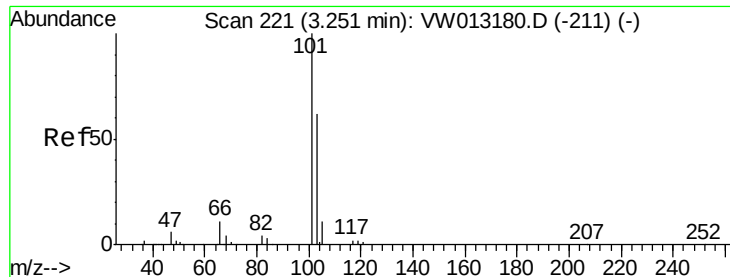
Tgt Ion: 64 Resp: 34038

Ion Ratio Lower Upper

64 100

66 34.4 26.6 39.8



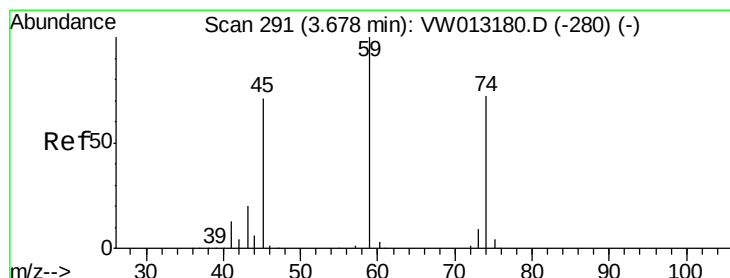
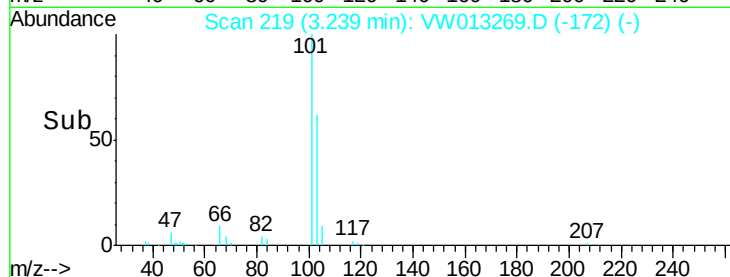
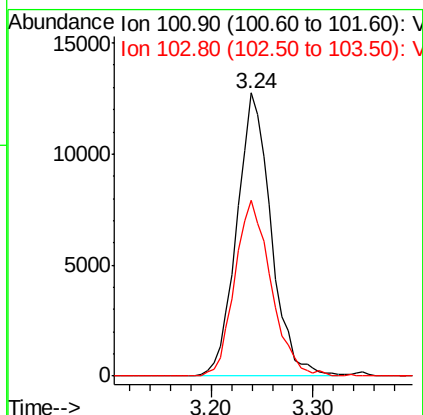
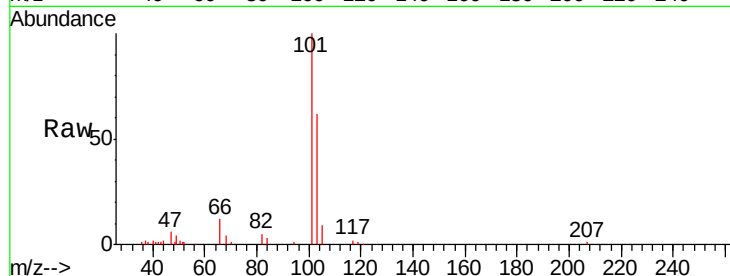


#7

Trichlorofluoromethane
 Concen: 16.274 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

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 VW0924SBS01

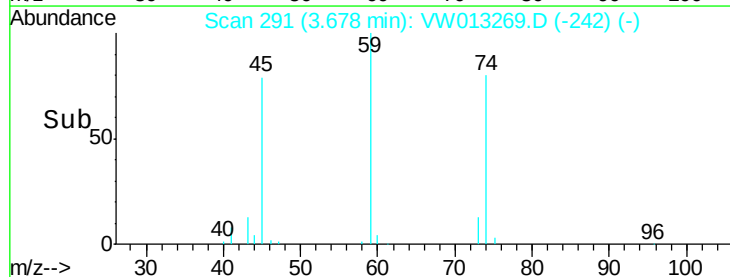
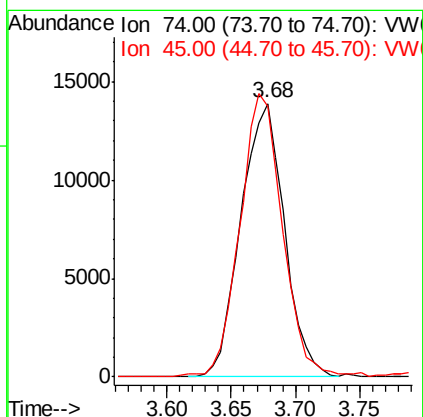
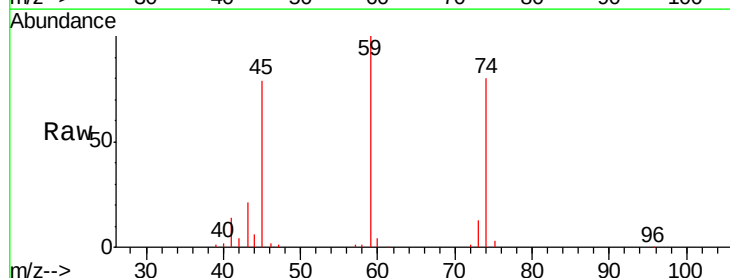
Tgt Ion: 101 Resp: 29785
 Ion Ratio Lower Upper
 101 100
 103 62.1 49.7 74.5

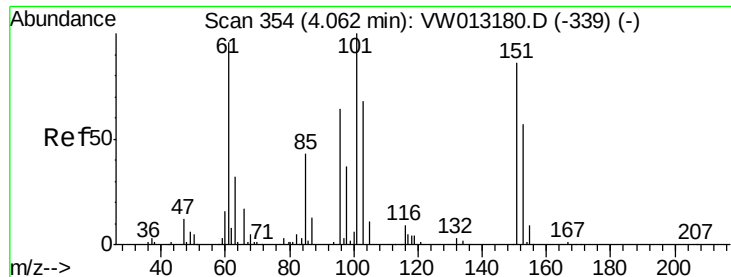


#8

Diethyl Ether
 Concen: 20.763 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 74 Resp: 32459
 Ion Ratio Lower Upper
 74 100
 45 101.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.632 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

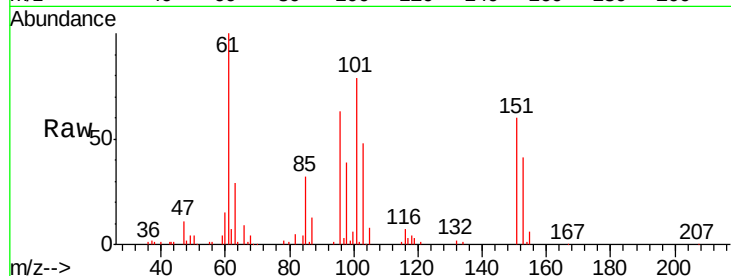
Tgt Ion:101 Resp: 58497

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

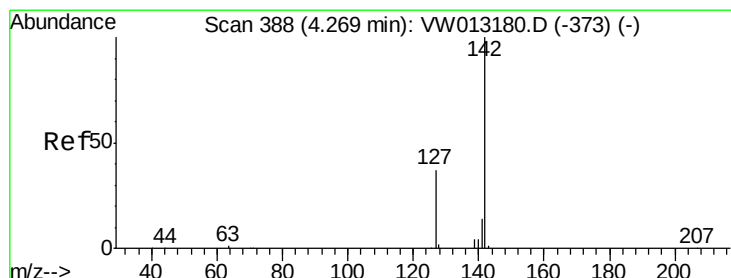
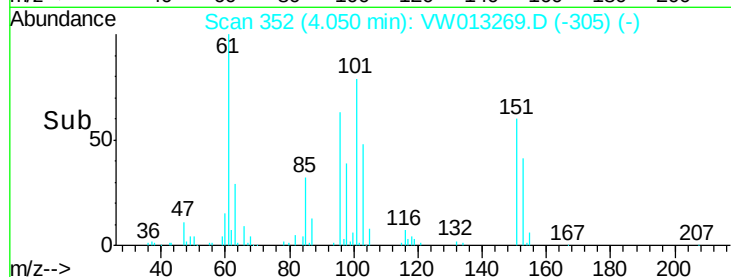
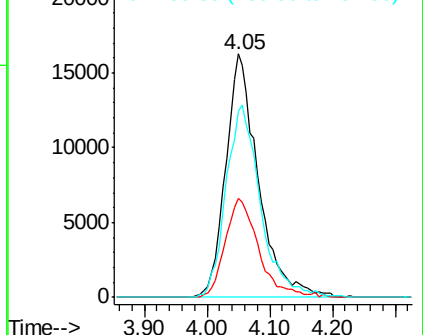
151 82.7 66.9 100.3



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: 19.051 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

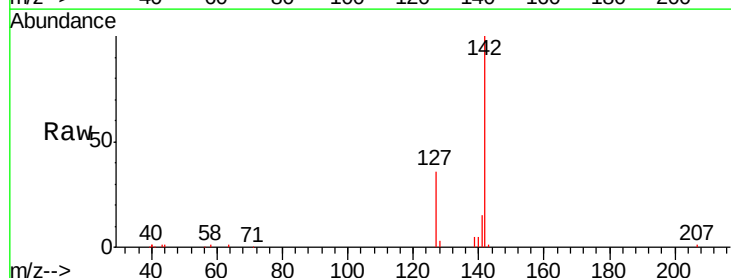
Tgt Ion:142 Resp: 88014

Ion Ratio Lower Upper

142 100

127 37.7 30.9 46.3

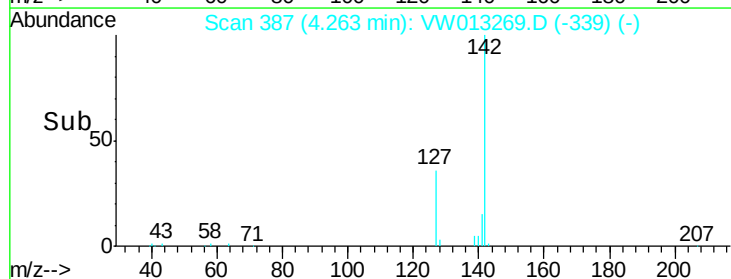
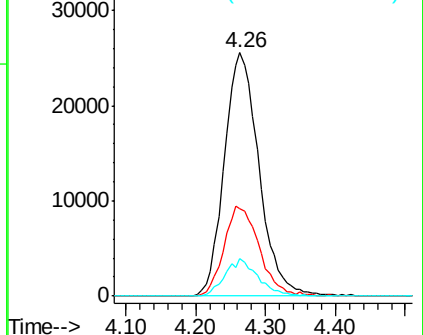
141 14.4 11.7 17.5

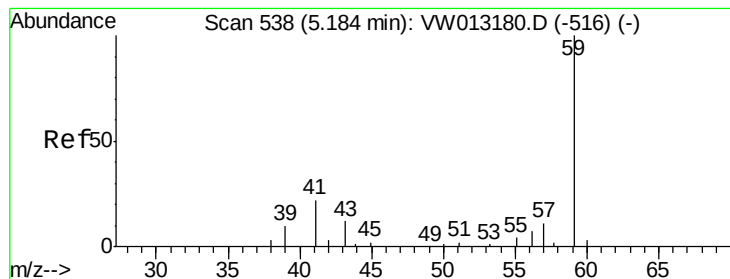


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 109.203 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

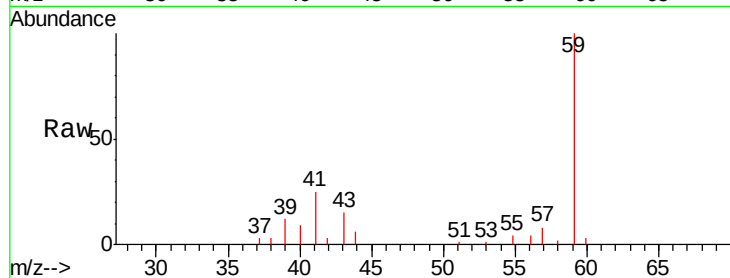
VW0924SBS01

Tgt Ion: 59 Resp: 22413

Ion Ratio Lower Upper

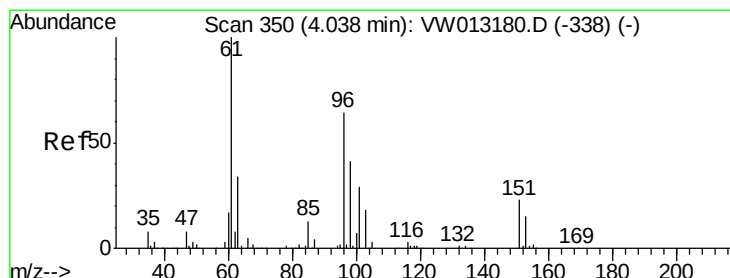
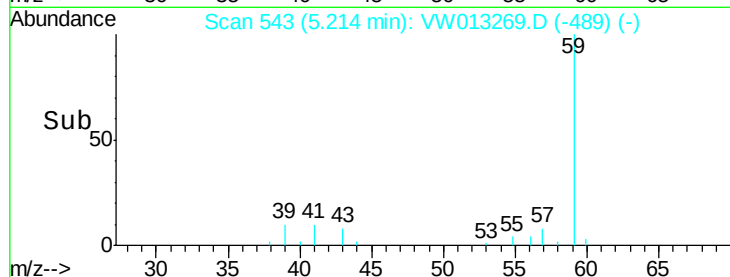
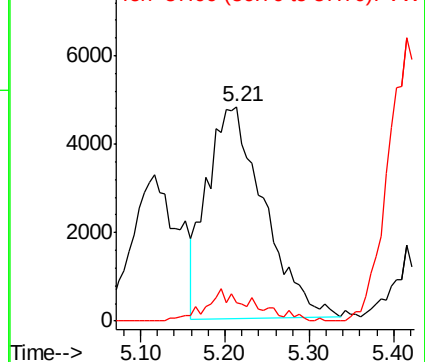
59 100

57 8.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.487 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

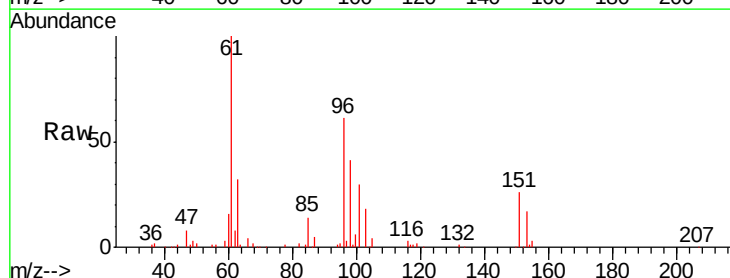
Tgt Ion: 96 Resp: 60128

Ion Ratio Lower Upper

96 100

61 165.1 125.1 187.7

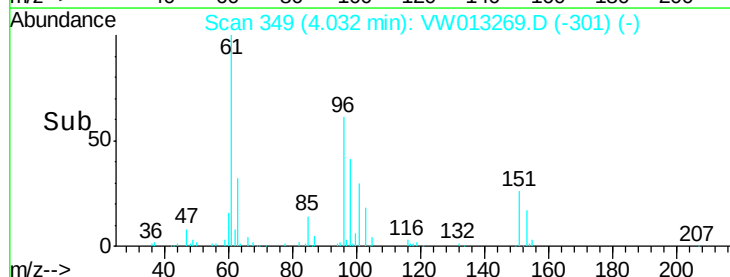
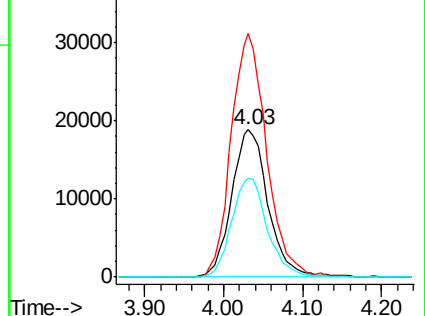
98 66.9 50.8 76.2

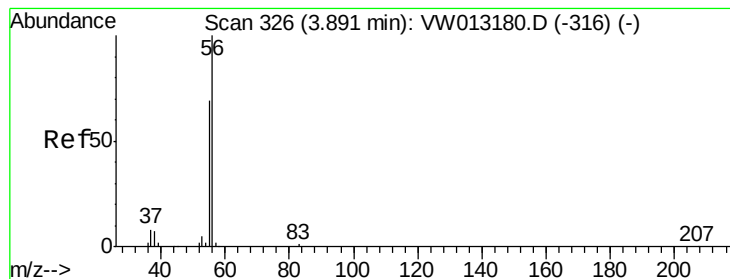


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 112.319 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

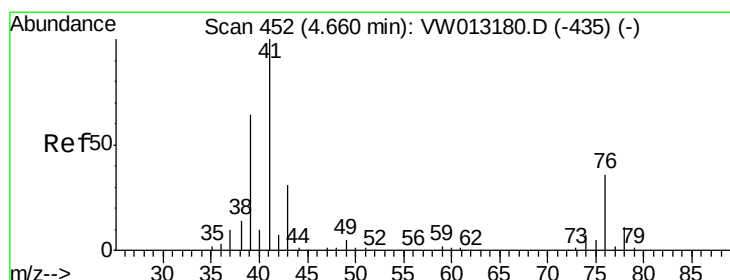
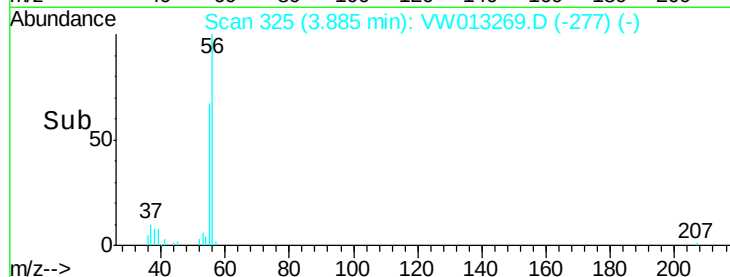
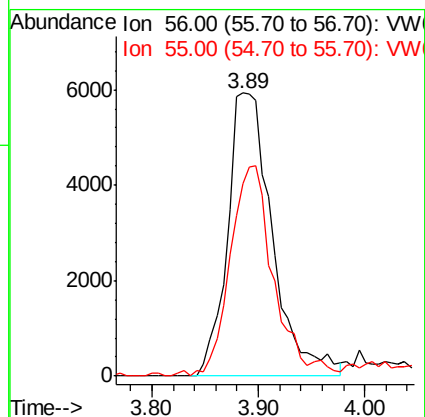
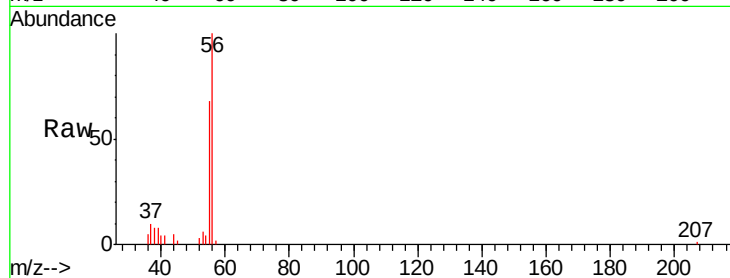
VW0924SBS01

Tgt Ion: 56 Resp: 17521

Ion Ratio Lower Upper

56 100

55 71.7 55.4 83.0



#14

Allyl chloride

Concen: 19.478 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

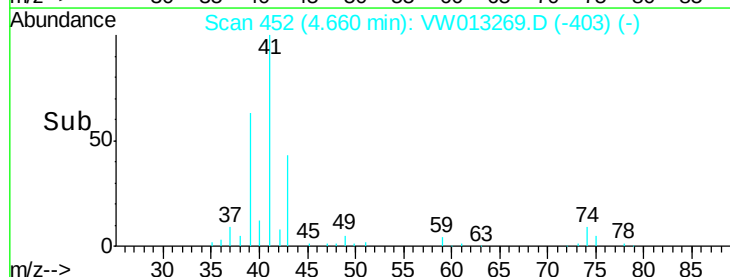
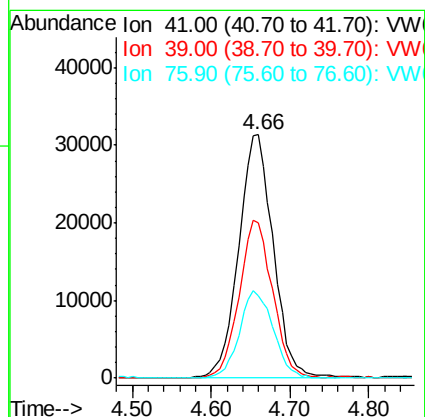
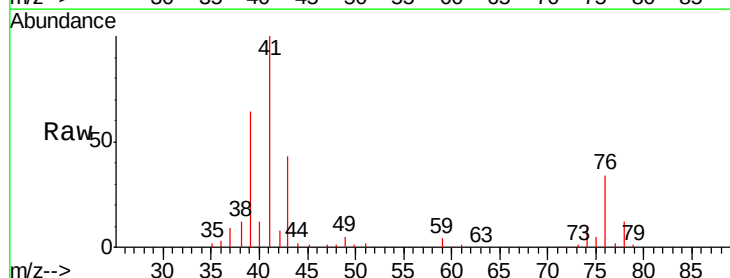
Tgt Ion: 41 Resp: 95650

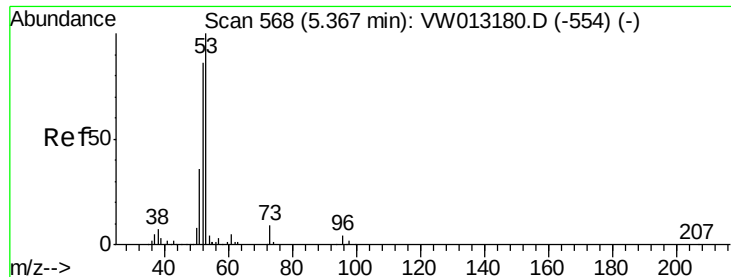
Ion Ratio Lower Upper

41 100

39 62.9 51.0 76.4

76 35.0 28.4 42.6





#15

Acrylonitrile

Concen: 124.049 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

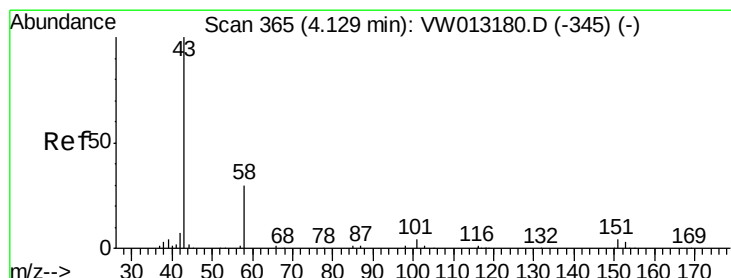
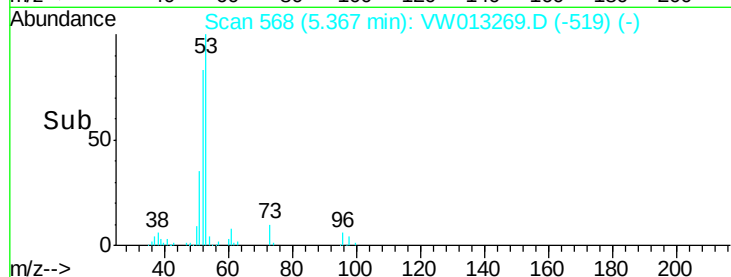
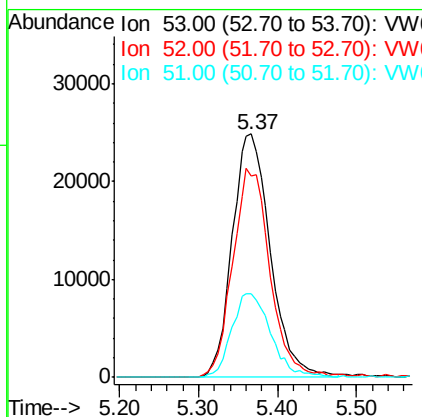
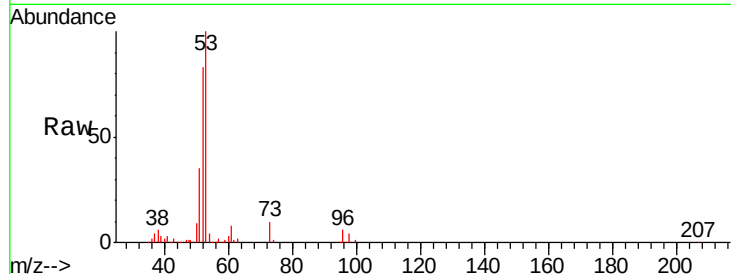
Tgt Ion: 53 Resp: 83703

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

51 35.5 29.0 43.4



#16

Acetone

Concen: 119.193 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013269.D

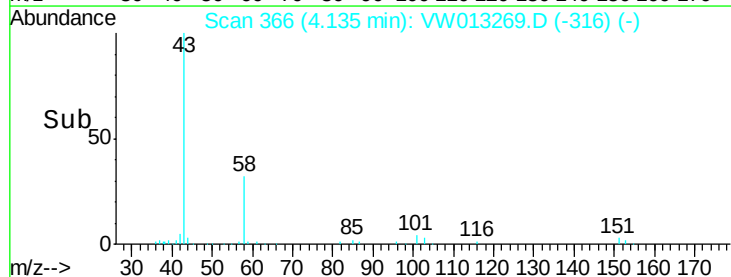
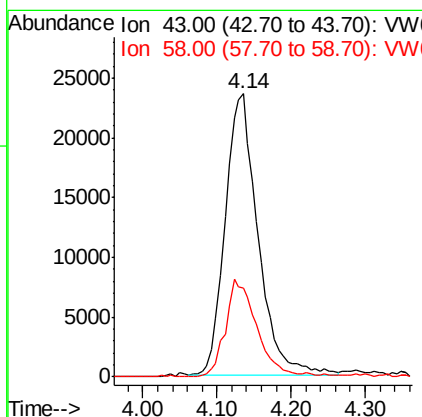
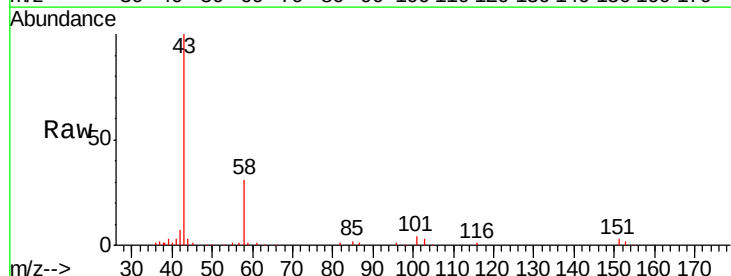
Acq: 24 Sep 2019 12:10

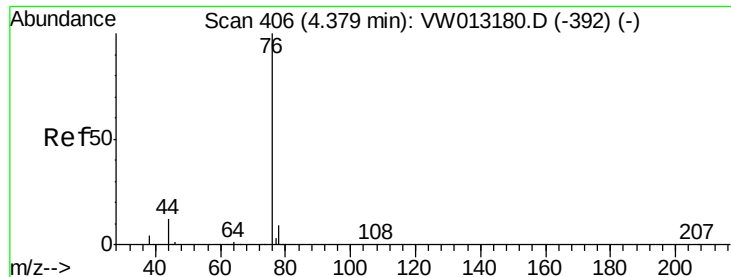
Tgt Ion: 43 Resp: 72839

Ion Ratio Lower Upper

43 100

58 31.4 24.1 36.1





#17

Carbon Disulfide

Concen: 18.535 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

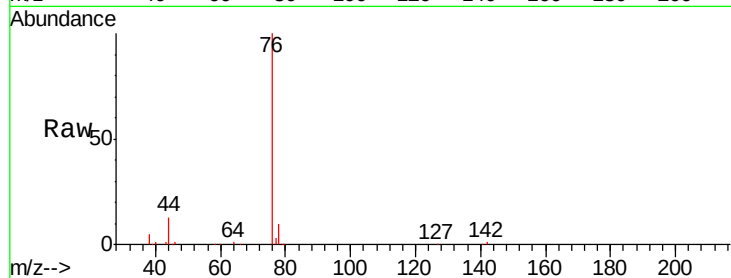
VW0924SBS01

Tgt Ion: 76 Resp: 165309

Ion Ratio Lower Upper

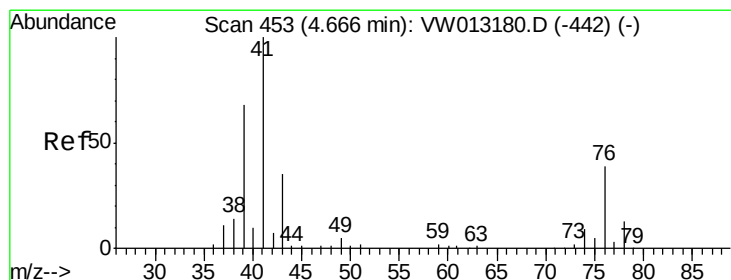
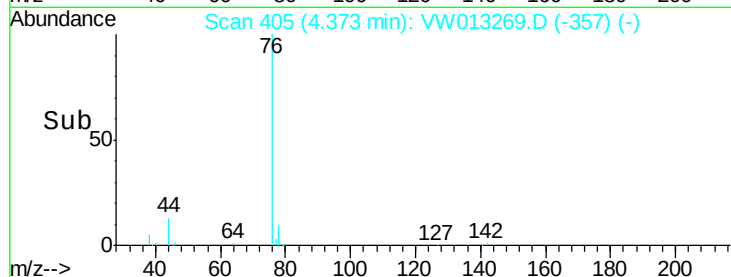
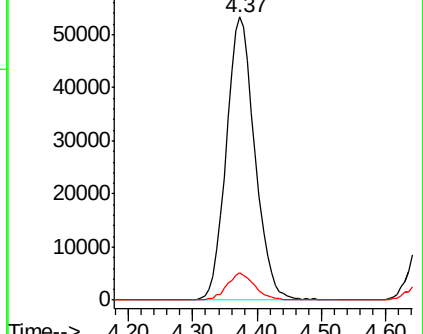
76 100

78 9.5 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.728 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013269.D

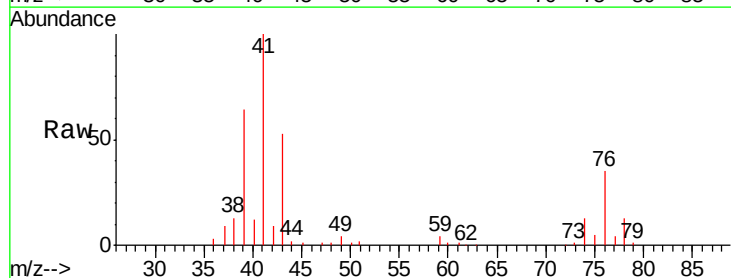
Acq: 24 Sep 2019 12:10

Tgt Ion: 43 Resp: 44195

Ion Ratio Lower Upper

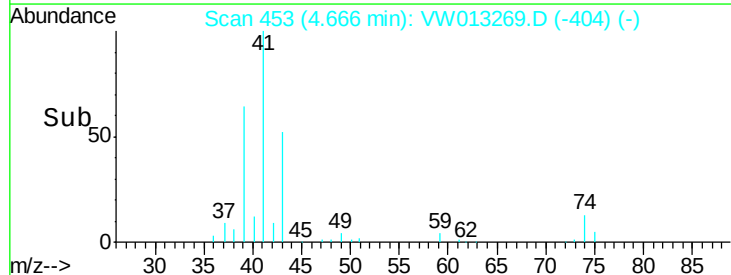
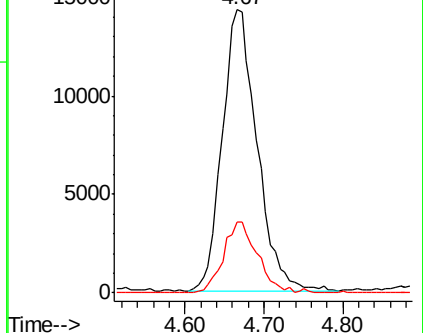
43 100

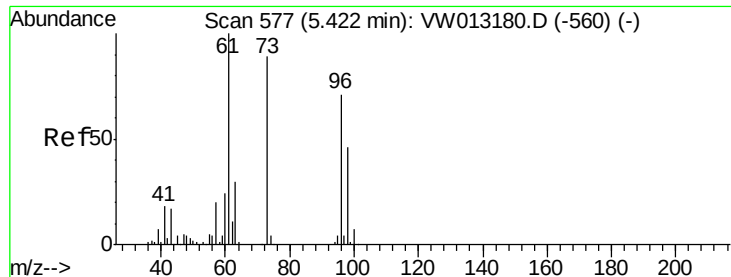
74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

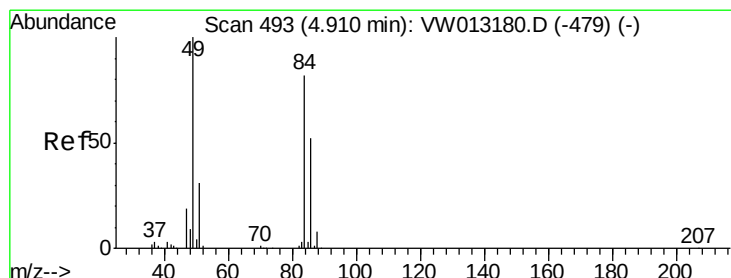
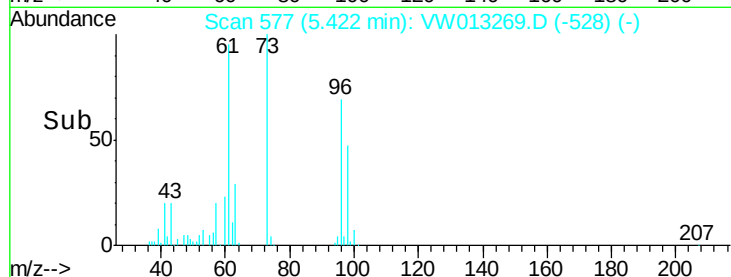
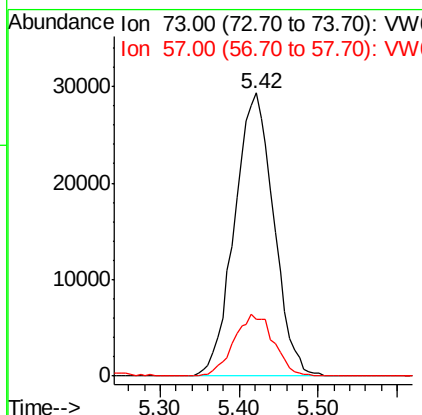
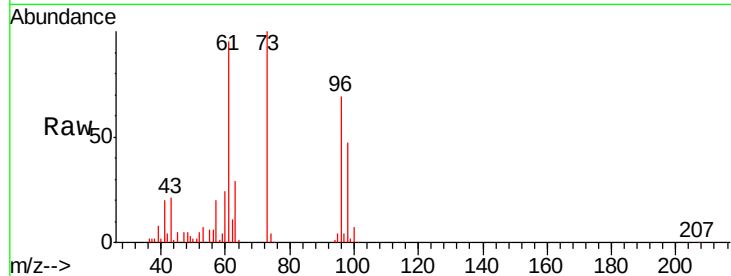




#19
Methyl tert-butyl Ether
Concen: 21.435 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

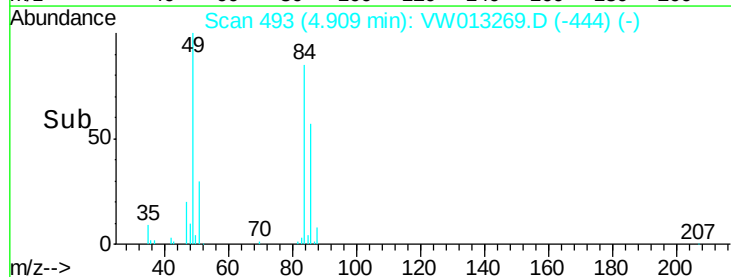
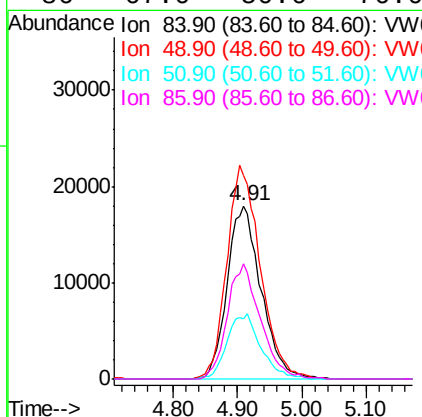
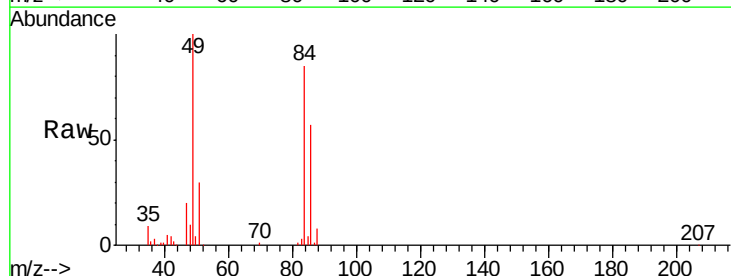
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

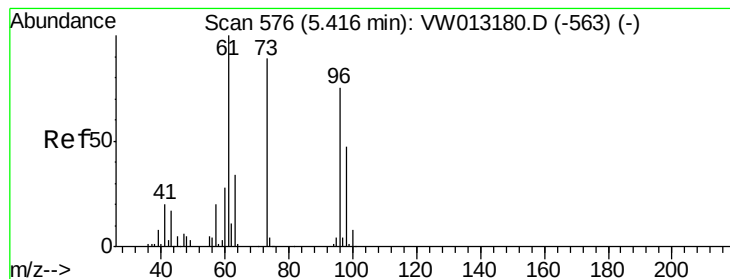
Tgt Ion: 73 Resp: 101367
Ion Ratio Lower Upper
73 100
57 20.2 17.6 26.4



#20
Methylene Chloride
Concen: 19.343 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 84 Resp: 66021
Ion Ratio Lower Upper
84 100
49 117.9 97.6 146.4
51 34.9 30.2 45.2
86 67.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.612 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

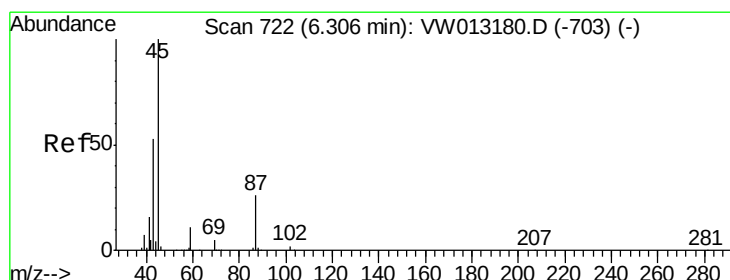
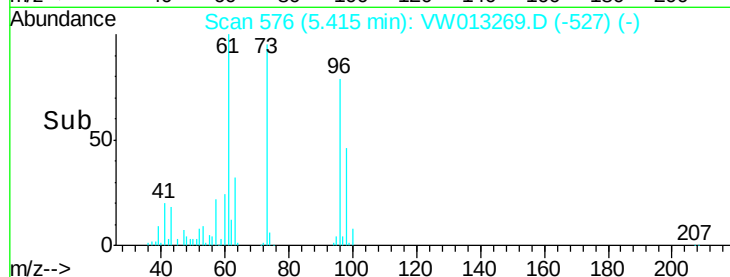
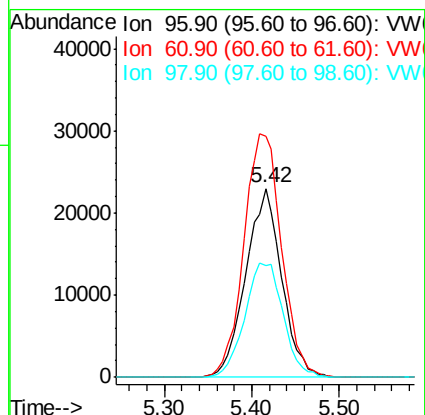
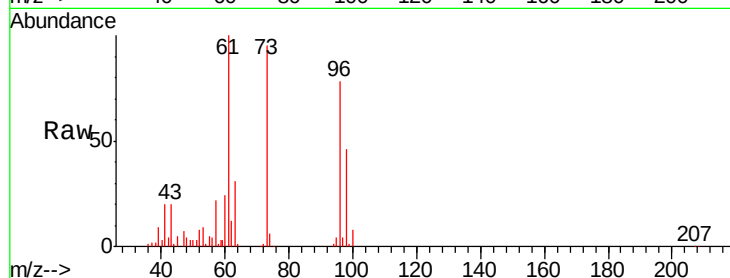
Tgt Ion: 96 Resp: 65405

Ion Ratio Lower Upper

96 100

61 127.8 106.6 159.8

98 59.0 49.8 74.8



#22

Diisopropyl ether

Concen: 20.210 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion: 45 Resp: 188726

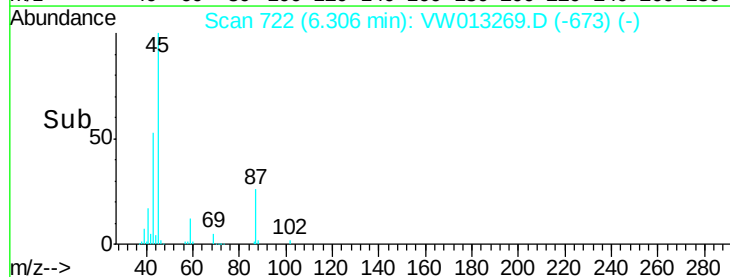
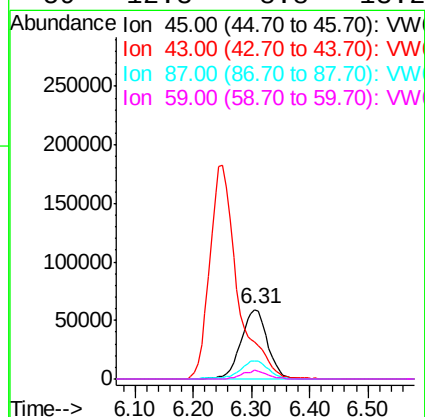
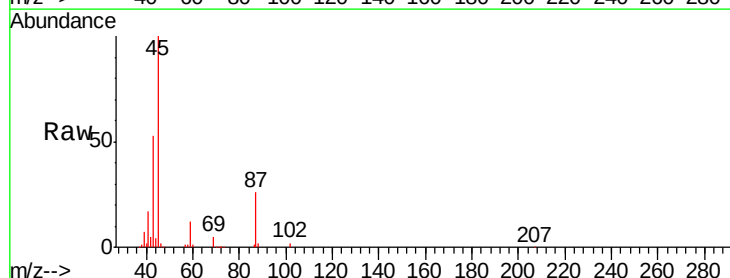
Ion Ratio Lower Upper

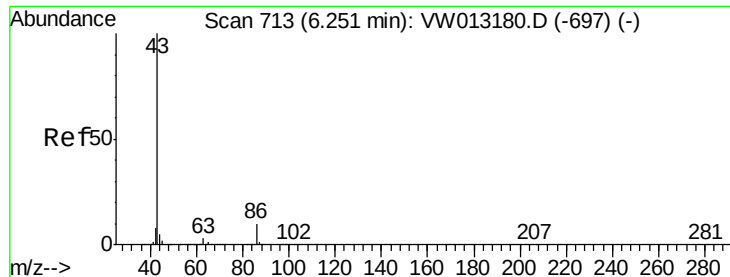
45 100

43 52.2 42.4 63.6

87 26.3 20.4 30.6

59 12.3 8.8 13.2





#23

Vinyl Acetate

Concen: 108.755 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

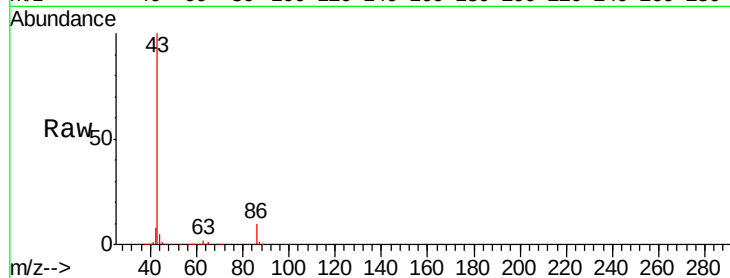
VW0924SBS01

Tgt Ion: 43 Resp: 602492

Ion Ratio Lower Upper

43 100

86 9.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

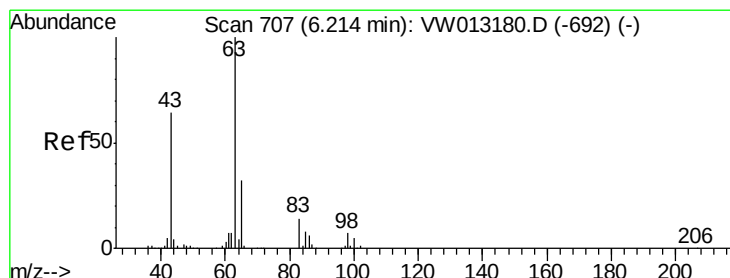
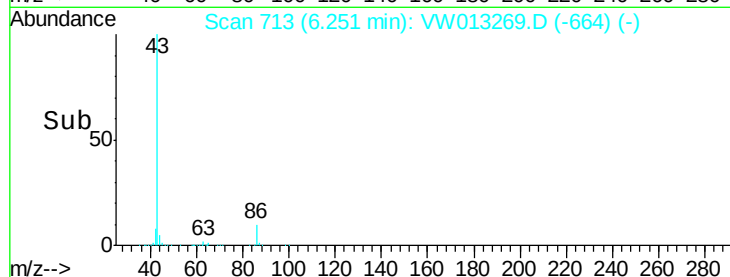
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.536 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

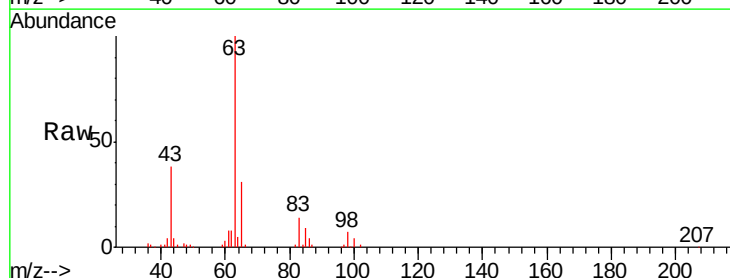
Tgt Ion: 63 Resp: 110084

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.4 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

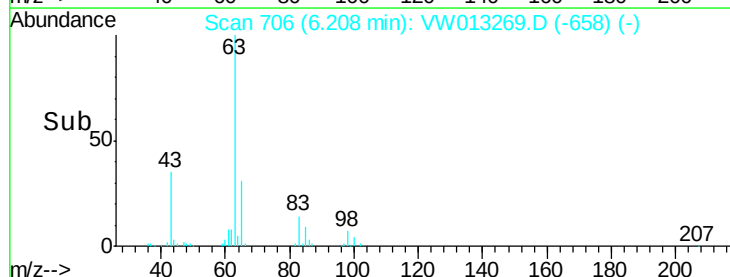
30000

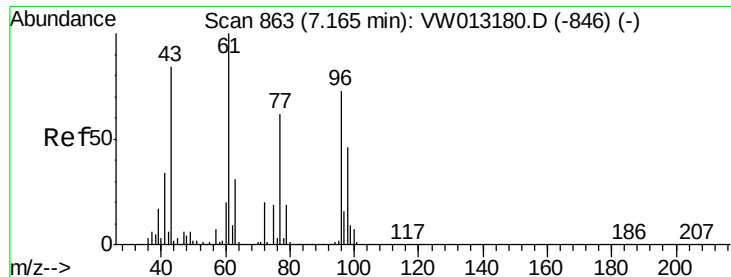
20000

10000

0

Time-->





#25

2-Butanone

Concen: 118.547 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

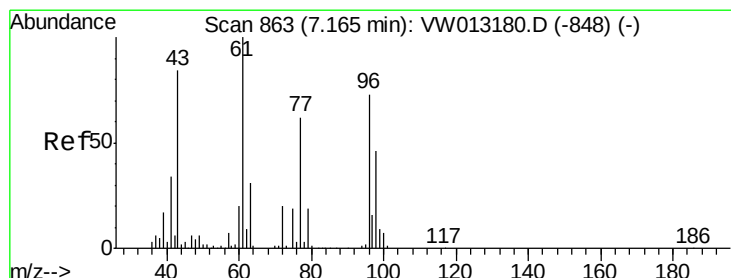
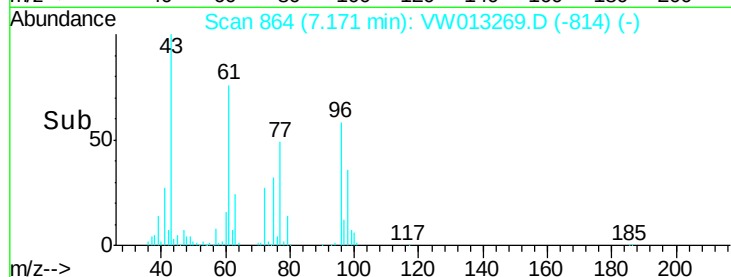
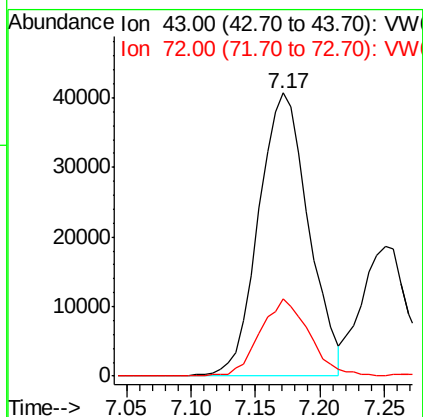
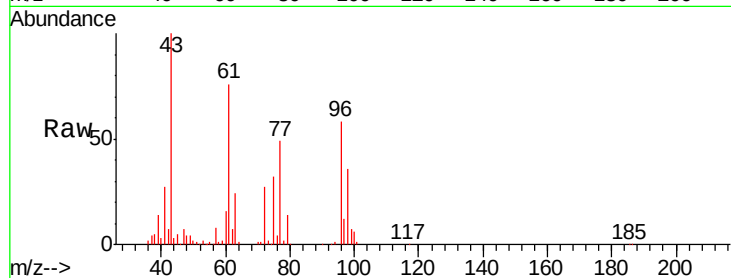
VW0924SBS01

Tgt Ion: 43 Resp: 108750

Ion Ratio Lower Upper

43 100

72 27.5 19.4 29.0



#26

2,2-Dichloropropane

Concen: 18.667 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013269.D

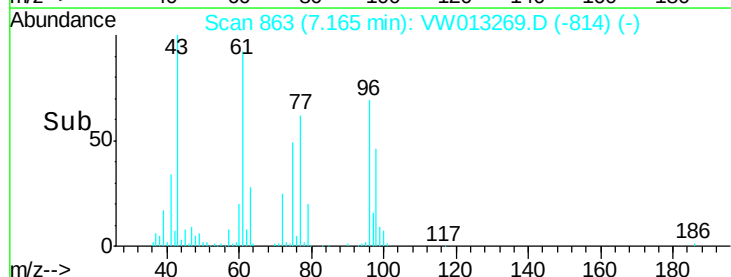
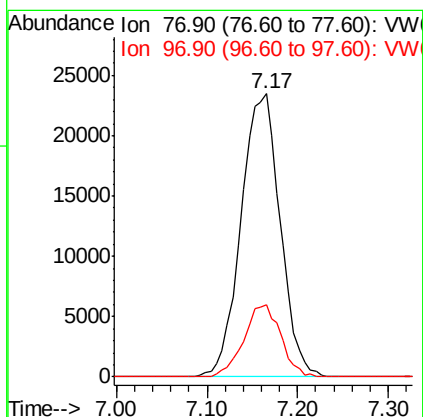
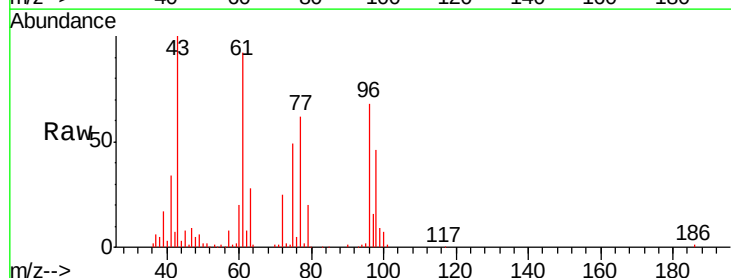
Acq: 24 Sep 2019 12:10

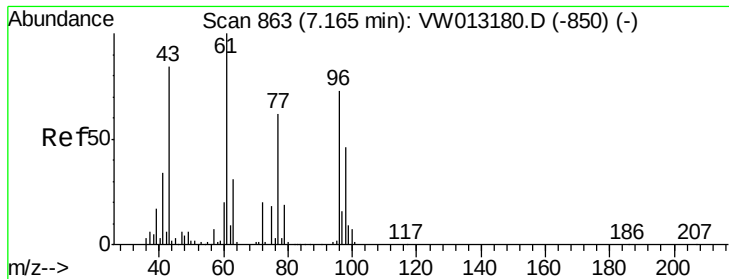
Tgt Ion: 77 Resp: 69977

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4



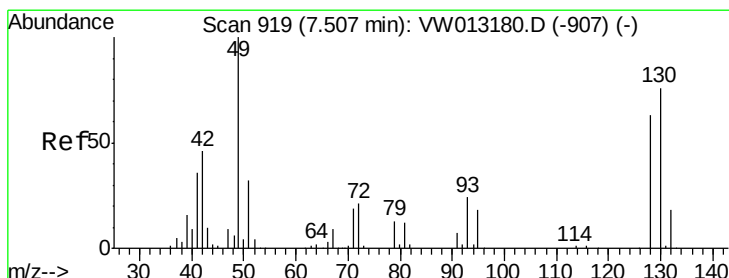
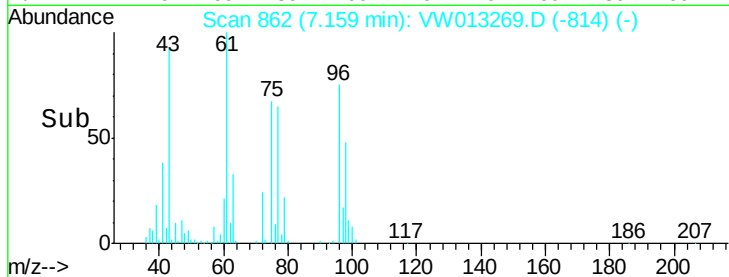
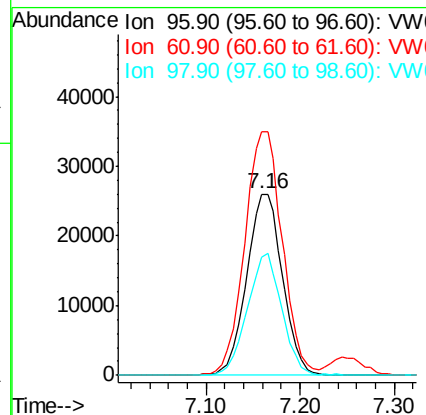
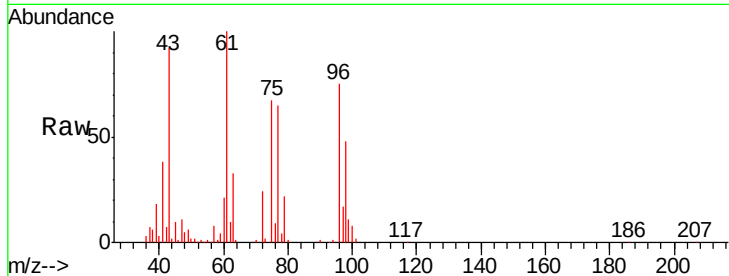


#27

cis-1,2-Dichloroethene
 Concen: 19.712 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

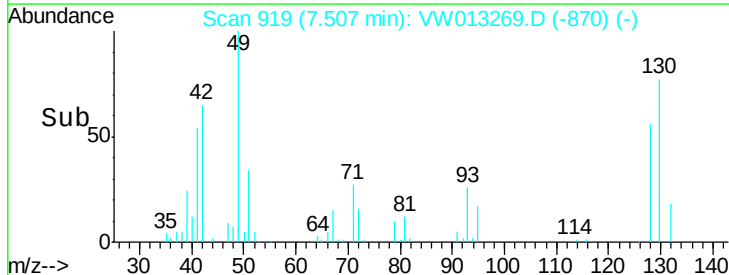
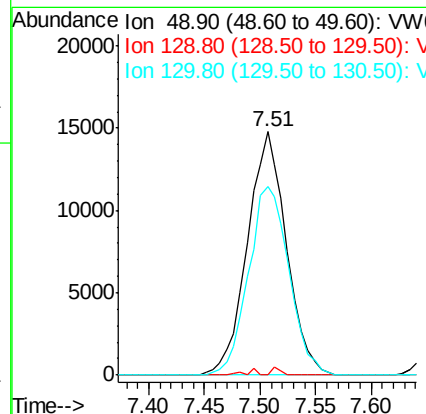
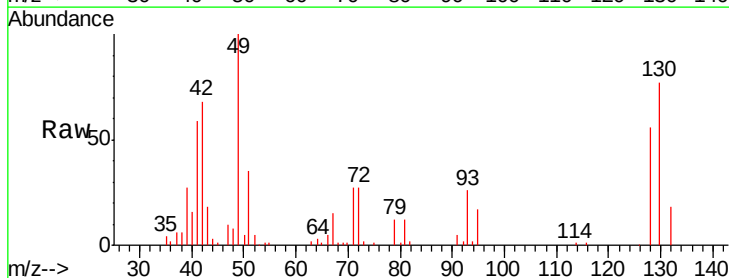
Tgt Ion: 96 Resp: 69375
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 282.4
 98 64.7 0.0 128.2

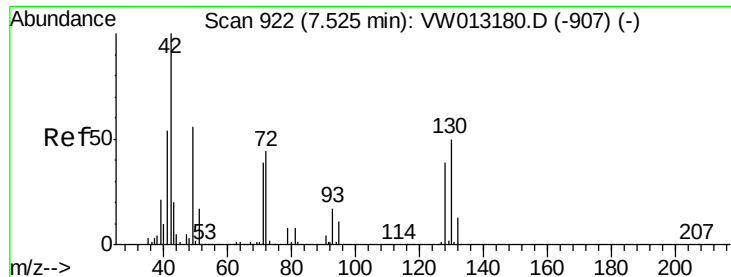


#28

Bromochloromethane
 Concen: 16.619 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 49 Resp: 35942
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 1.0
 130 80.5 63.4 95.2

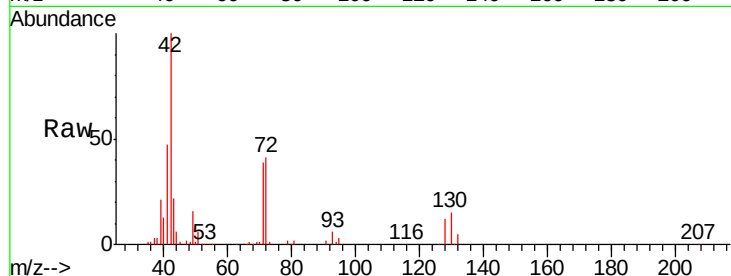




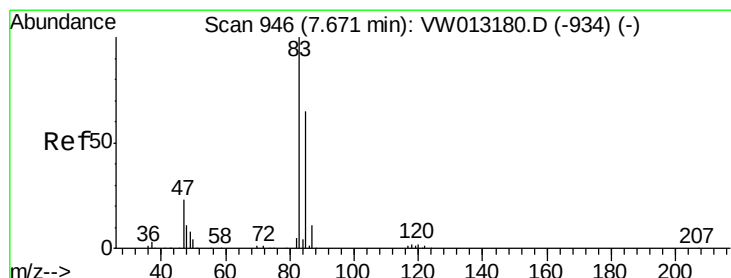
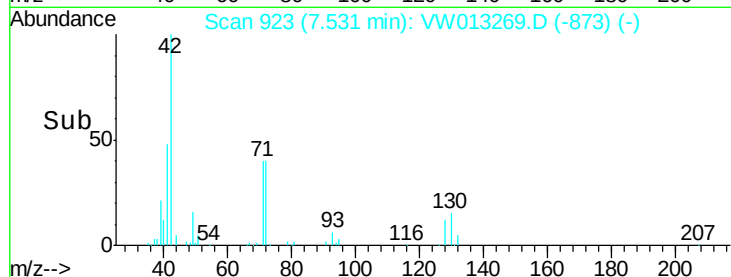
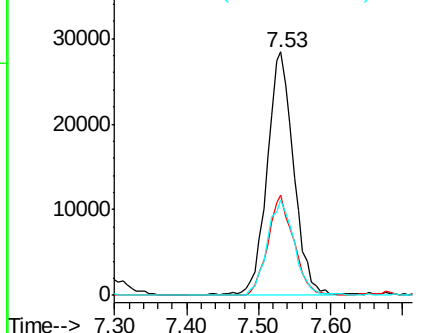
#29
Tetrahydrofuran
Concen: 129.221 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 42 Resp: 72698
Ion Ratio Lower Upper
42 100
72 40.0 33.9 50.9
71 39.5 31.9 47.9

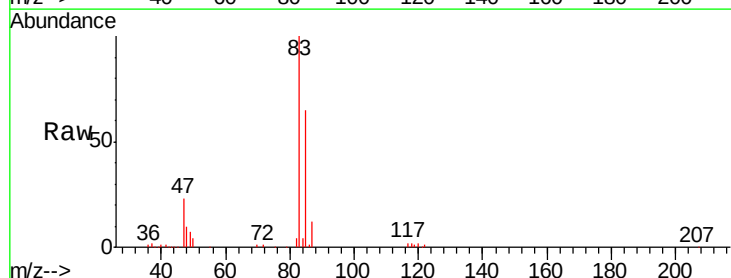


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

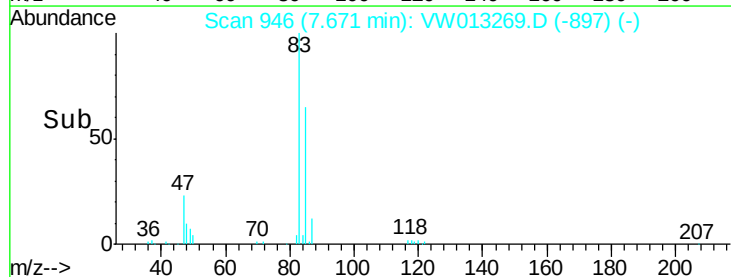
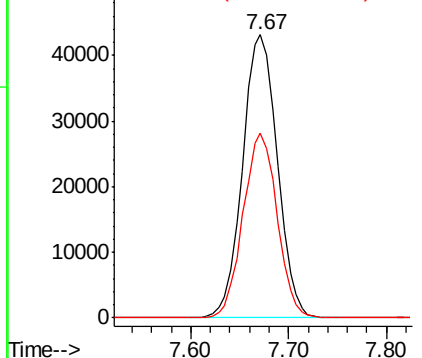


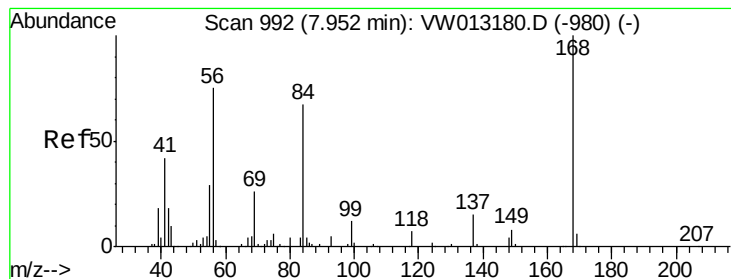
#30
Chloroform
Concen: 19.280 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 83 Resp: 106365
Ion Ratio Lower Upper
83 100
85 65.5 52.3 78.5



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





#31

Cyclohexane

Concen: 19.968 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

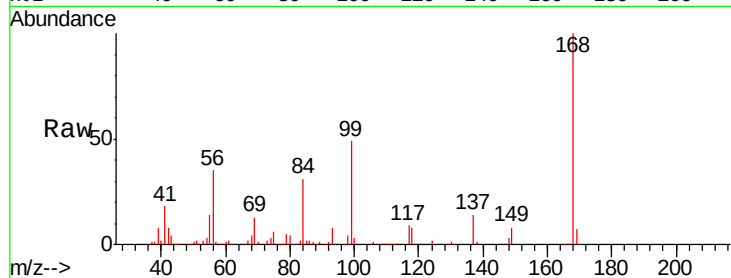
Tgt Ion: 56 Resp: 117290

Ion Ratio Lower Upper

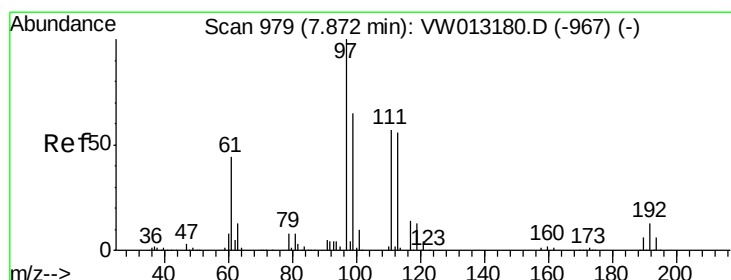
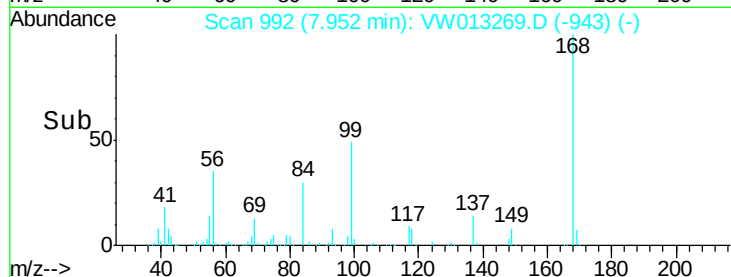
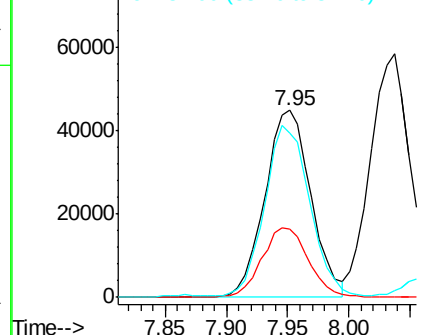
56 100

69 36.2 27.2 40.8

84 87.1 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: 19.716 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

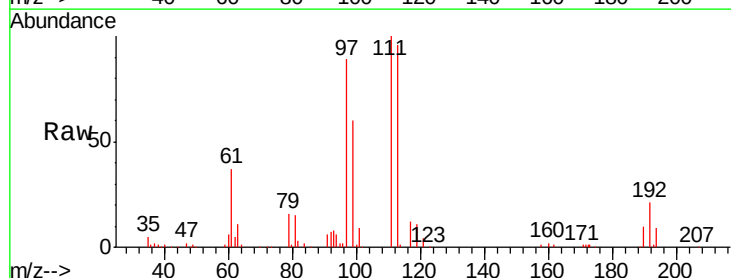
Tgt Ion: 97 Resp: 88094

Ion Ratio Lower Upper

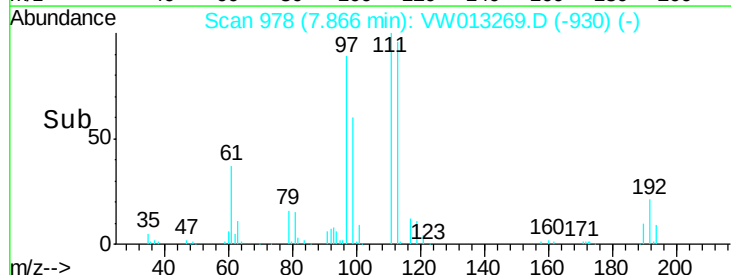
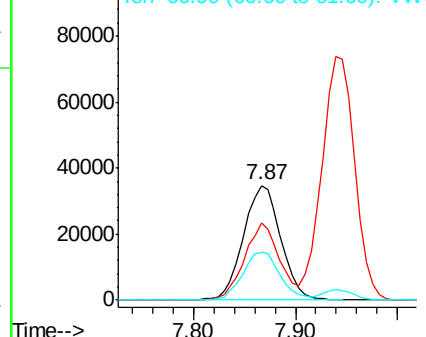
97 100

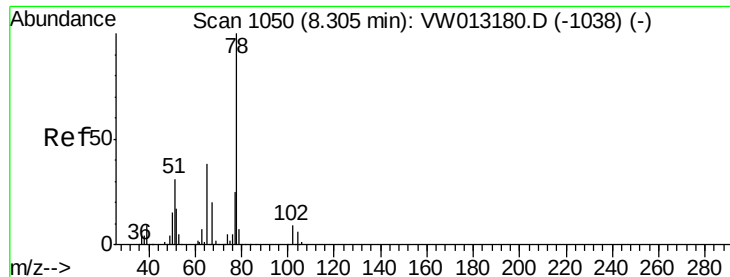
99 63.7 51.7 77.5

61 42.1 34.6 51.8



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

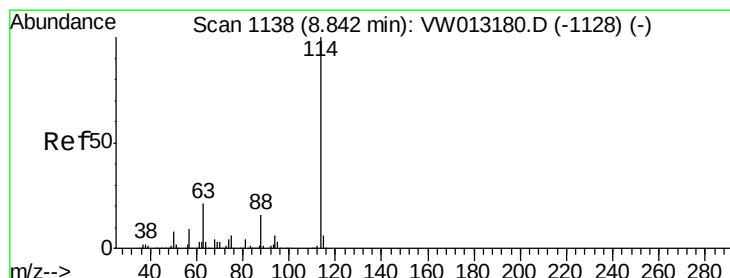
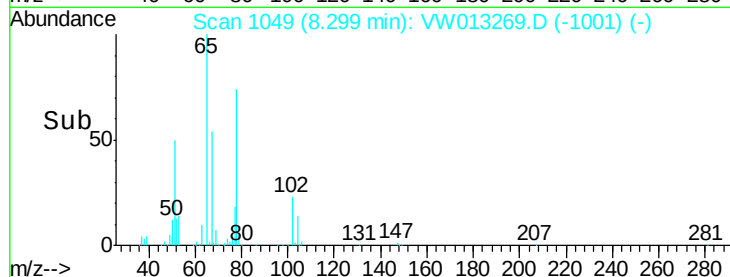
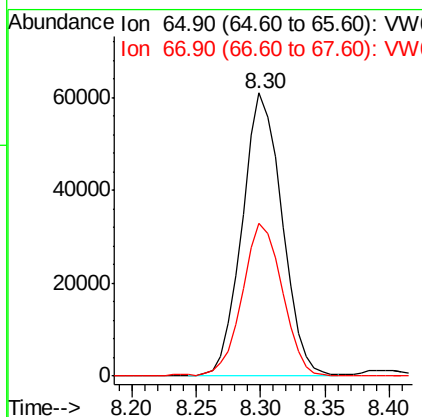
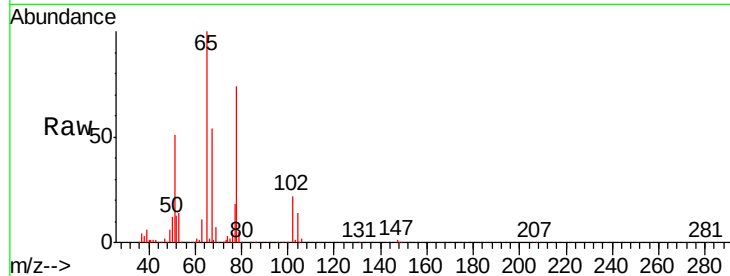




#33
 1,2-Dichloroethane-d4
 Concen: 48.404 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

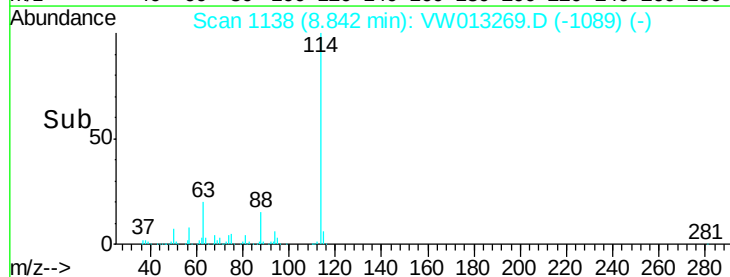
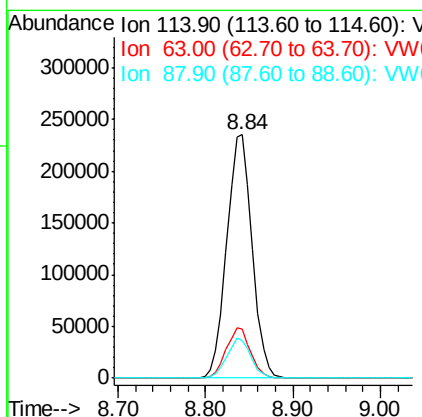
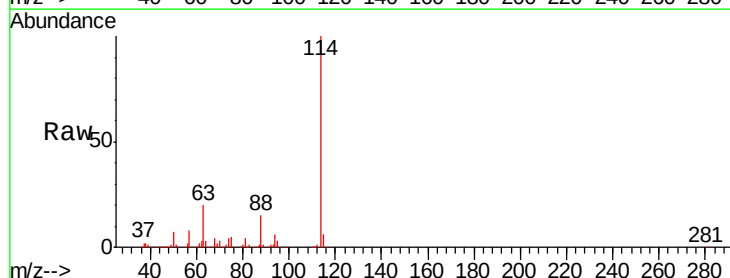
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

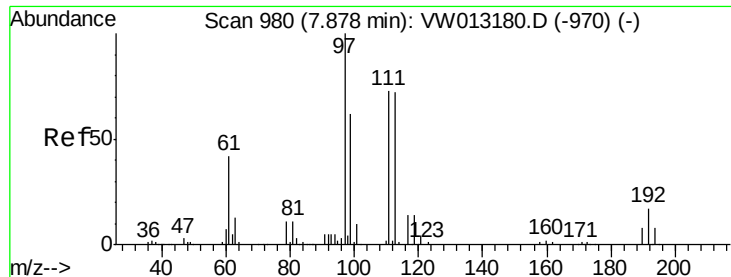
Tgt Ion: 65 Resp: 131166
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 114 Resp: 472967
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.571 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

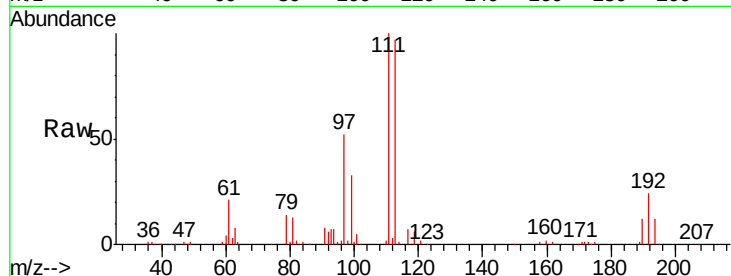
Tgt Ion: 113 Resp: 126350

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

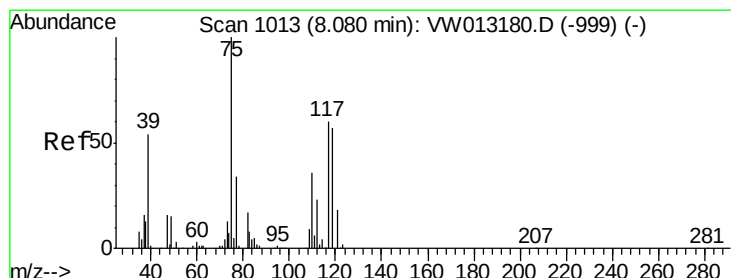
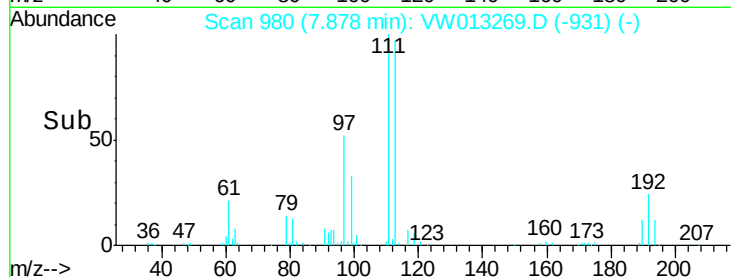
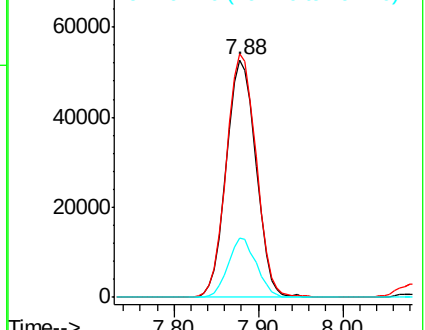
192 23.8 19.1 28.7



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: 20.188 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

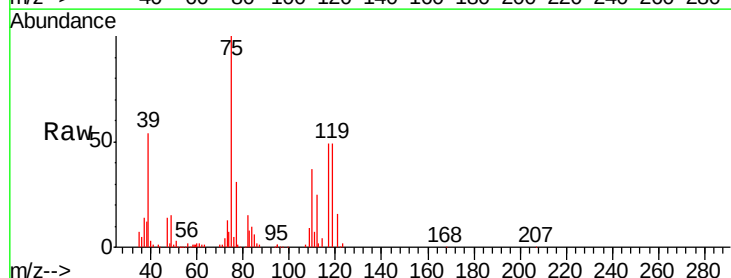
Tgt Ion: 75 Resp: 92481

Ion Ratio Lower Upper

75 100

110 36.2 18.1 54.3

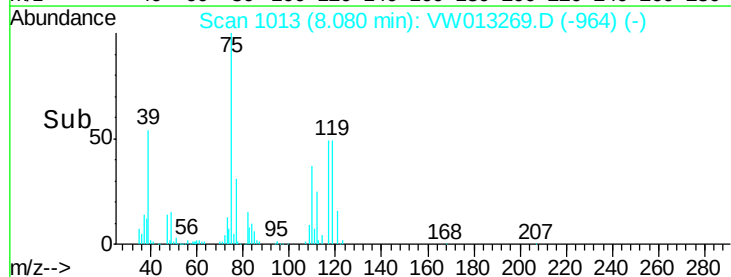
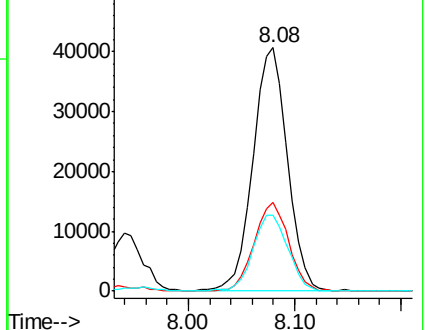
77 31.8 25.8 38.6

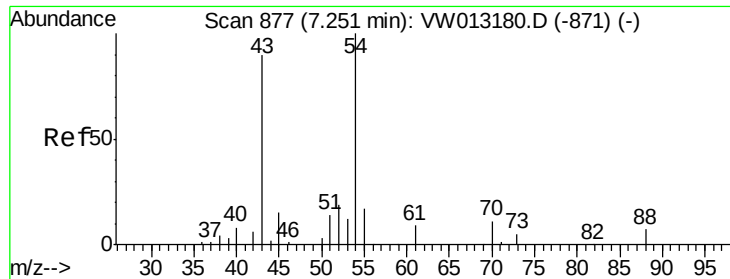


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

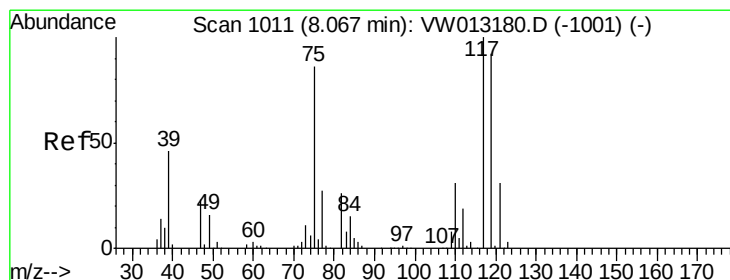
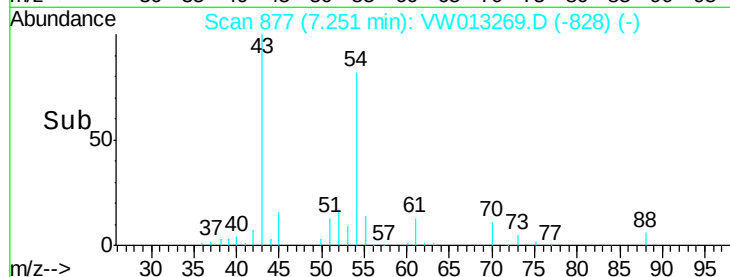
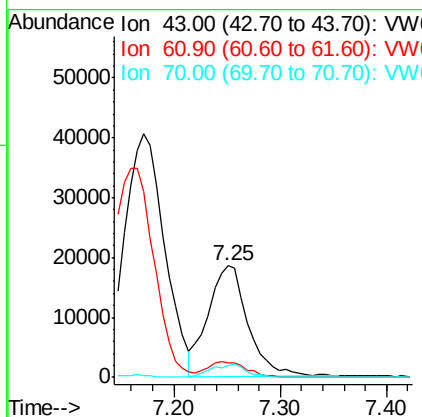
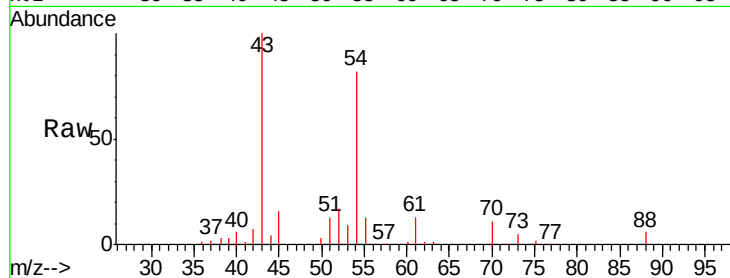




#37
 Ethyl Acetate
 Concen: 24.689 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

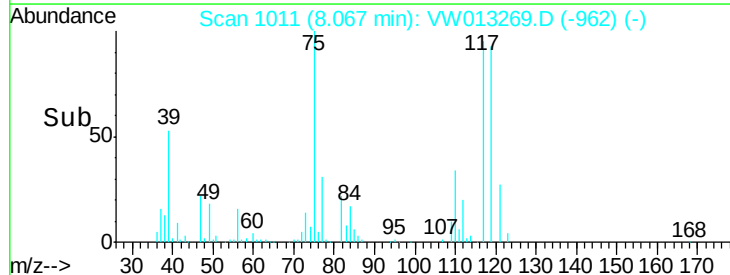
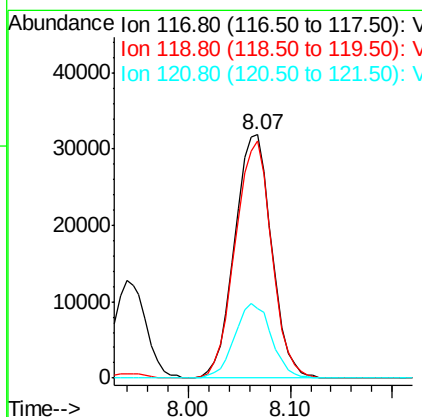
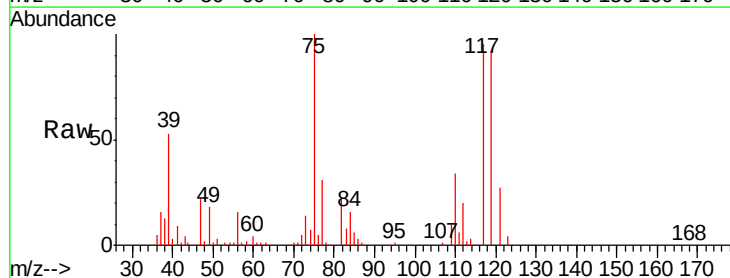
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

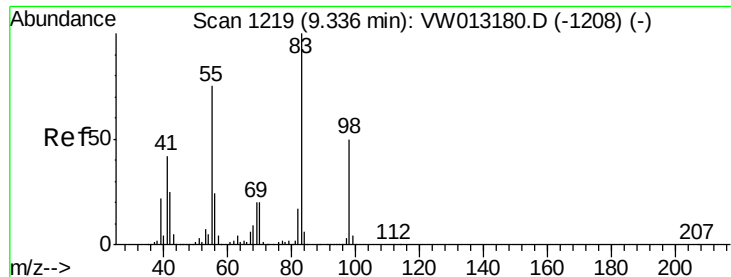
Tgt Ion: 43 Resp: 48068
 Ion Ratio Lower Upper
 43 100
 61 13.7 10.9 16.3
 70 10.8 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 19.519 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 117 Resp: 80156
 Ion Ratio Lower Upper
 117 100
 119 97.4 73.5 110.3
 121 28.8 25.0 37.6

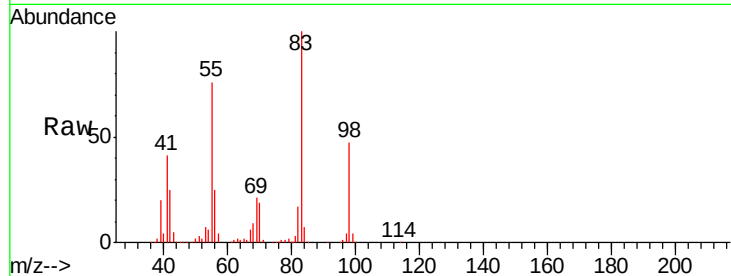




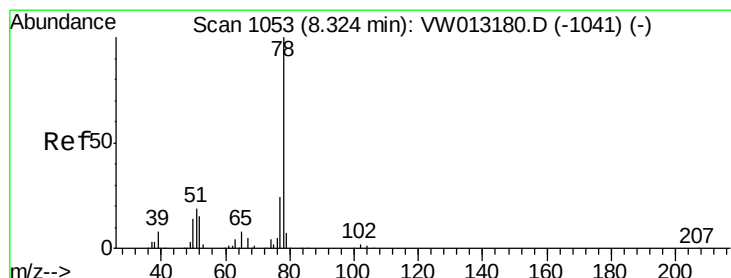
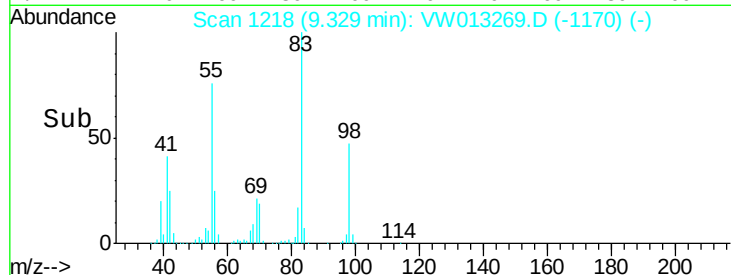
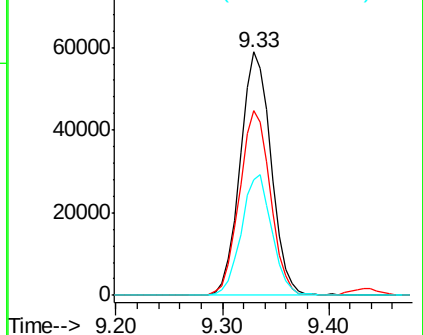
#39
Methylcyclohexane
Concen: 20.384 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tgt Ion: 83 Resp: 120004
Ion Ratio Lower Upper
83 100
55 75.7 60.4 90.6
98 47.3 40.0 60.0

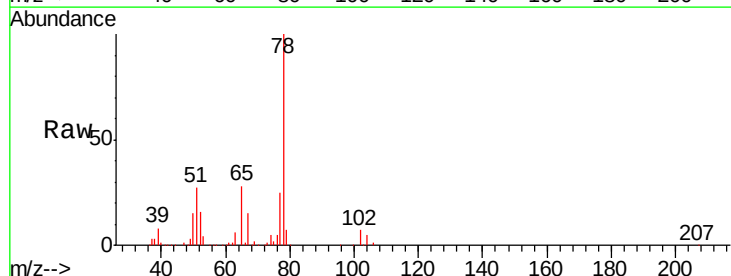


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

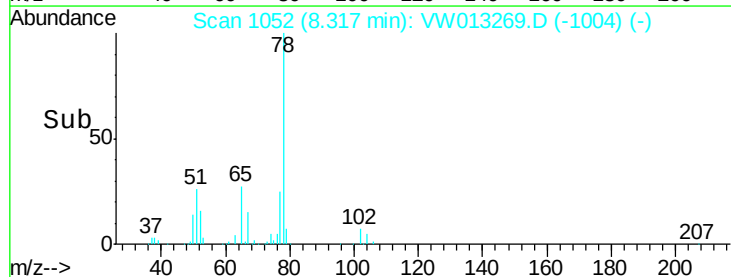
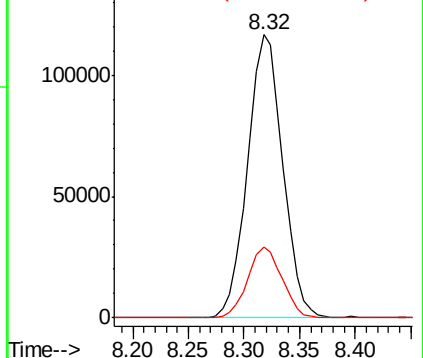


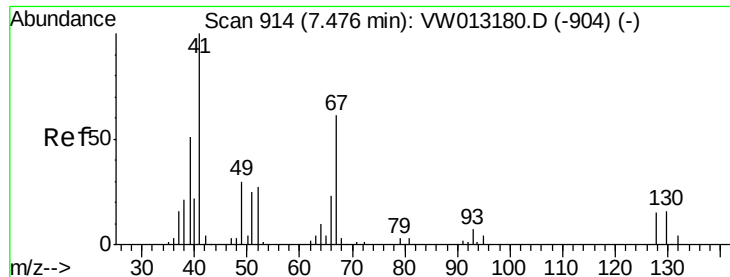
#40
Benzene
Concen: 20.092 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 78 Resp: 256734
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

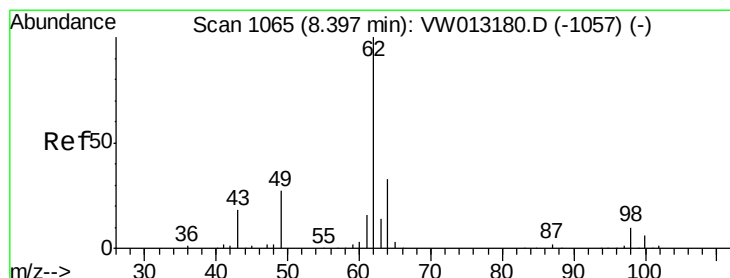
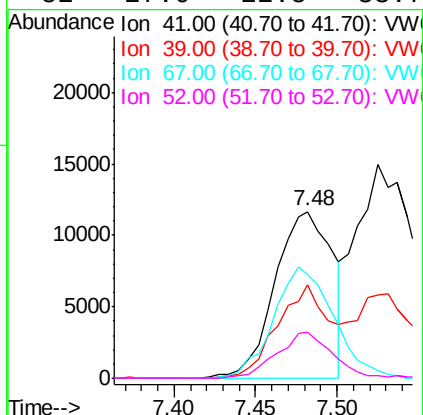
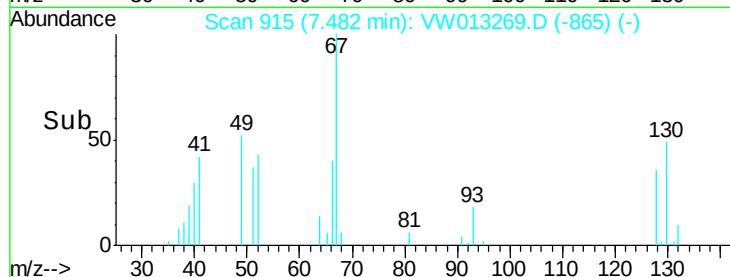
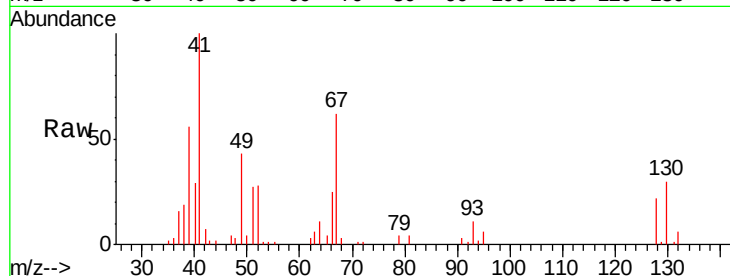




#41
Methacrylonitrile
Concen: 24.552 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

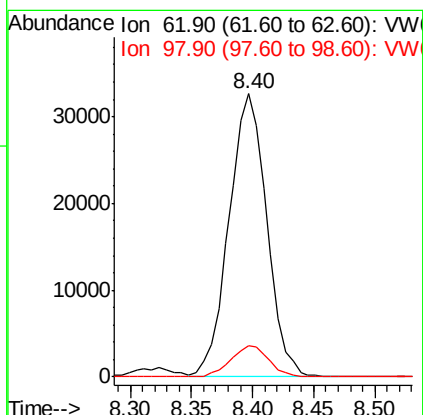
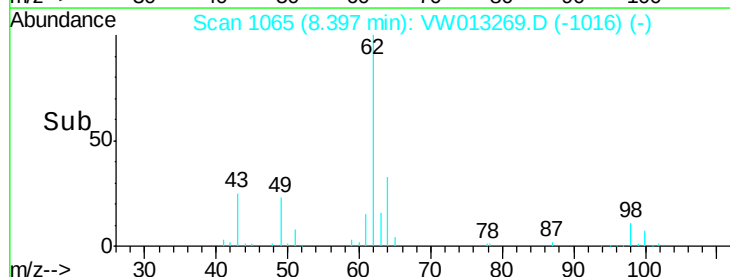
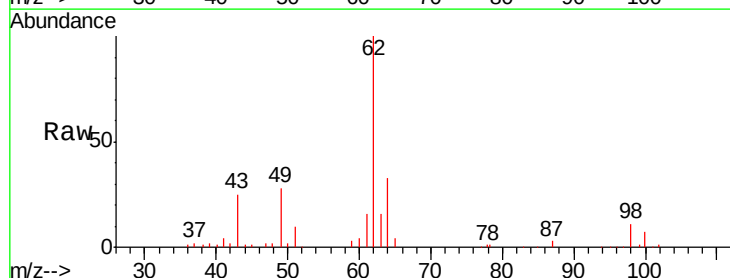
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

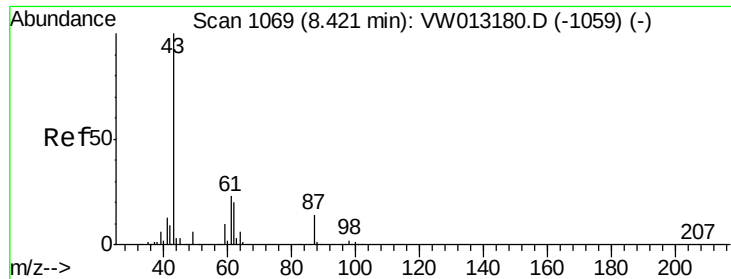
Tgt Ion:	41	Resp:	28529
Ion	Ratio	Lower	Upper
41	100		
39	50.2	45.9	68.9
67	70.4	54.5	81.7
52	27.0	22.5	33.7



#42
1,2-Dichloroethane
Concen: 20.308 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:	62	Resp:	69755
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 23.288 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

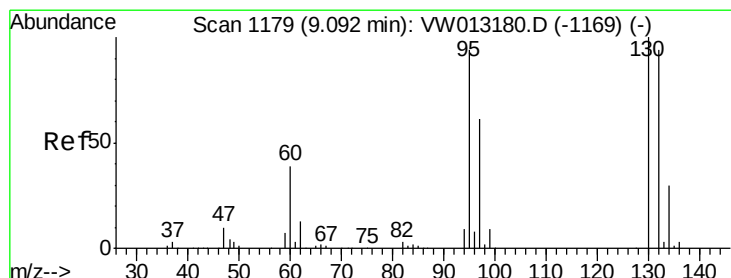
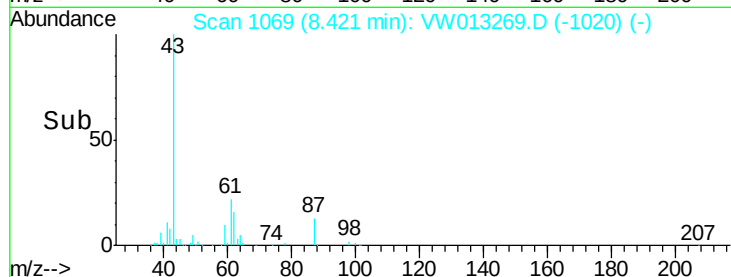
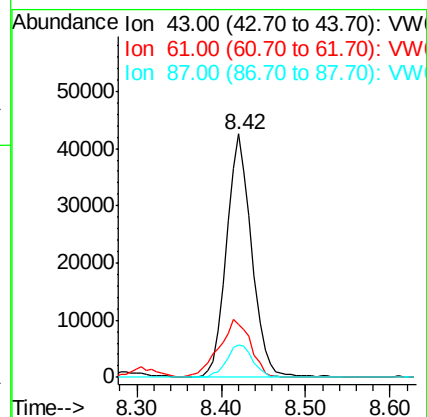
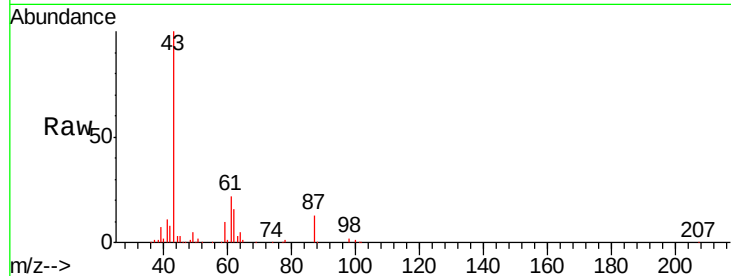
Tgt Ion: 43 Resp: 86900

Ion Ratio Lower Upper

43 100

61 30.3 25.5 38.3

87 13.9 11.0 16.4



#44

Trichloroethene

Concen: 19.412 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013269.D

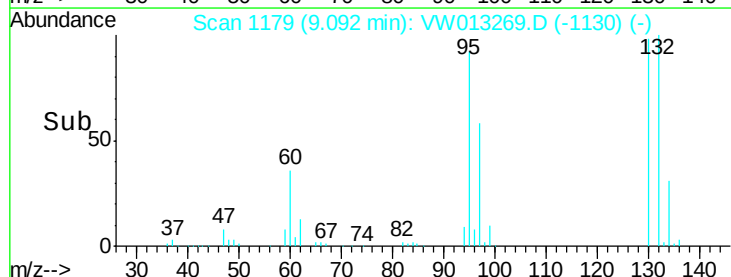
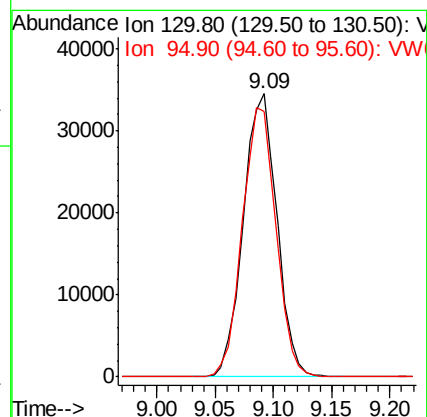
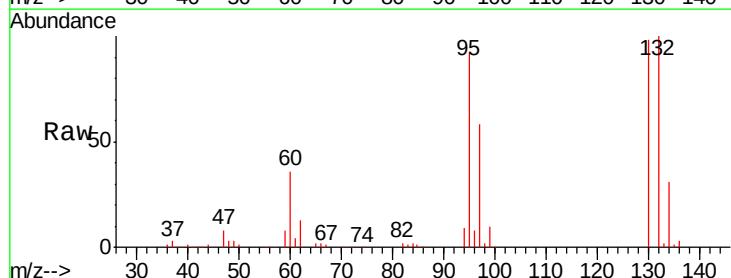
Acq: 24 Sep 2019 12:10

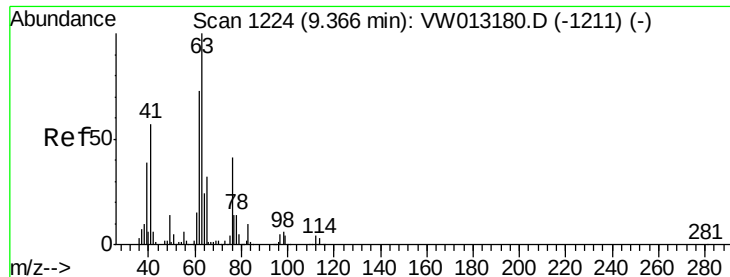
Tgt Ion: 130 Resp: 69595

Ion Ratio Lower Upper

130 100

95 93.9 0.0 188.0

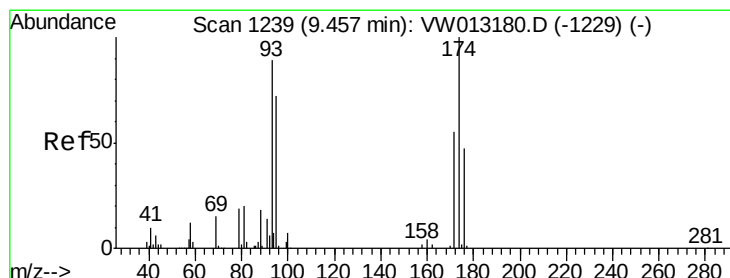
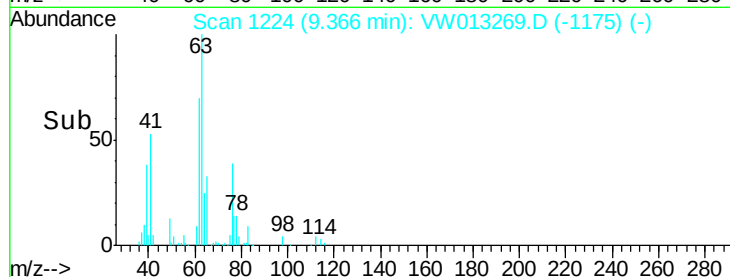
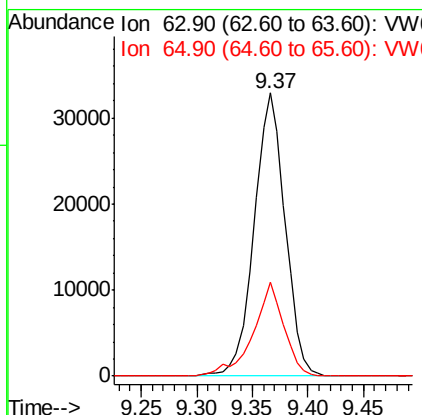
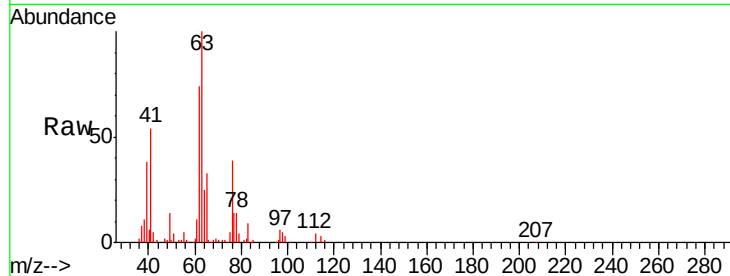




#45
 1,2-Dichloropropane
 Concen: 20.422 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

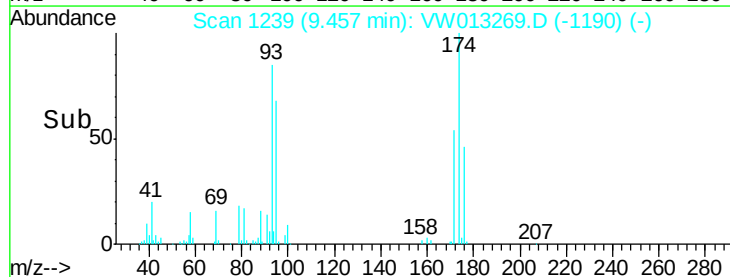
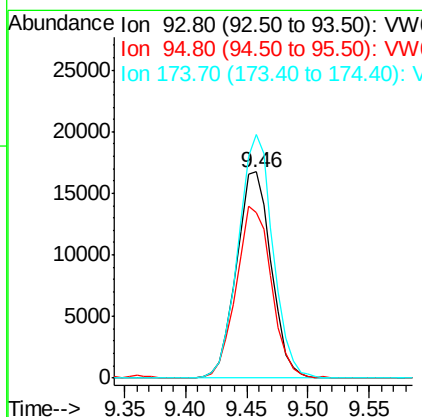
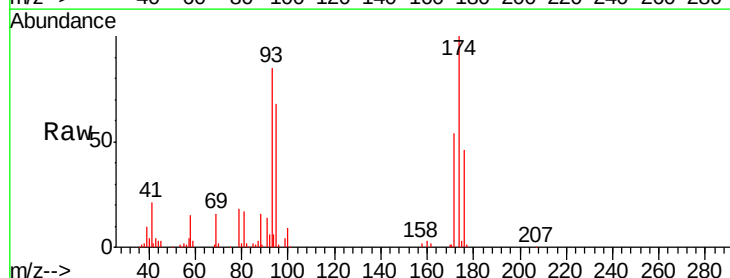
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

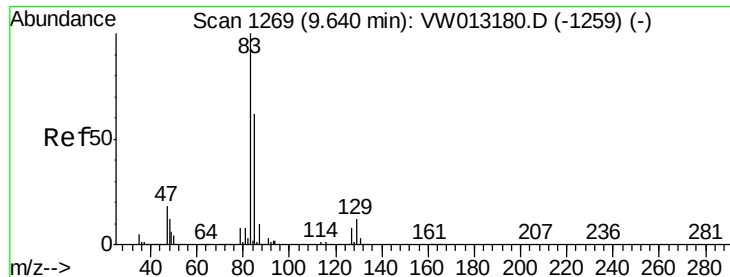
Tgt Ion: 63 Resp: 63710
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.3 37.9



#46
 Dibromomethane
 Concen: 21.833 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 93 Resp: 33067
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 117.7 93.0 139.6





#47

Bromodichloromethane

Concen: 19.224 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

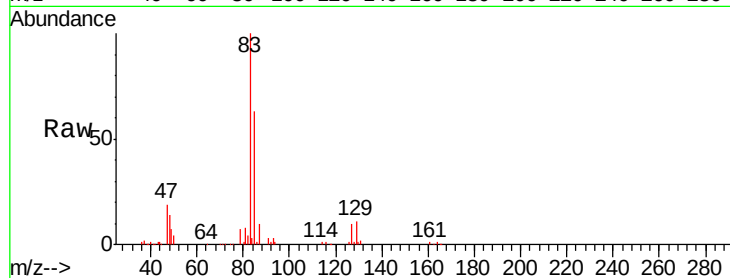
Tgt Ion: 83 Resp: 74087

Ion Ratio Lower Upper

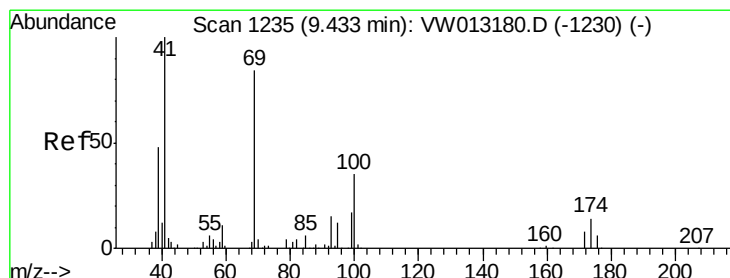
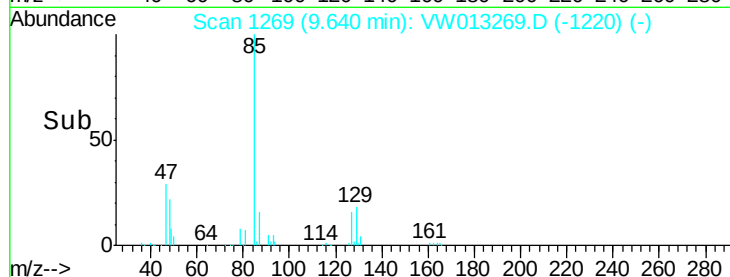
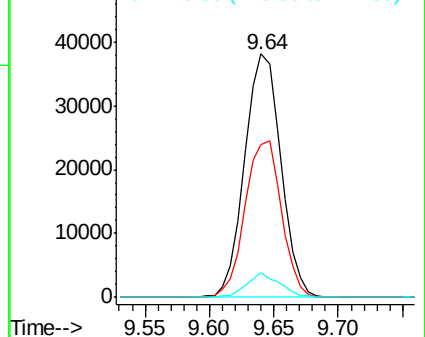
83 100

85 62.9 49.4 74.2

127 10.2 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): V



#48

Methyl methacrylate

Concen: 25.228 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

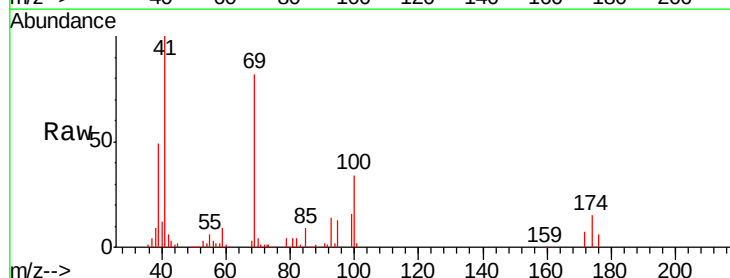
Tgt Ion: 41 Resp: 44265

Ion Ratio Lower Upper

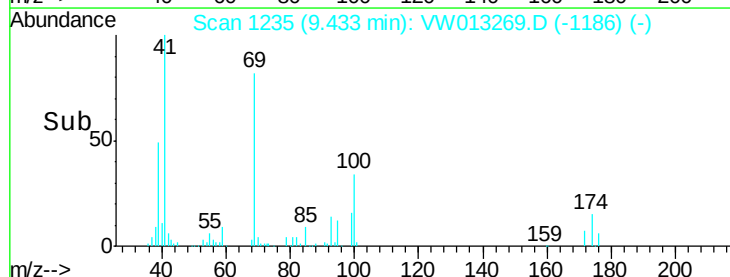
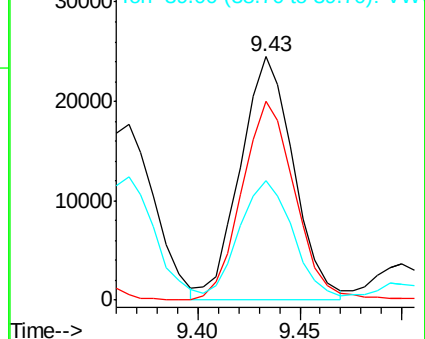
41 100

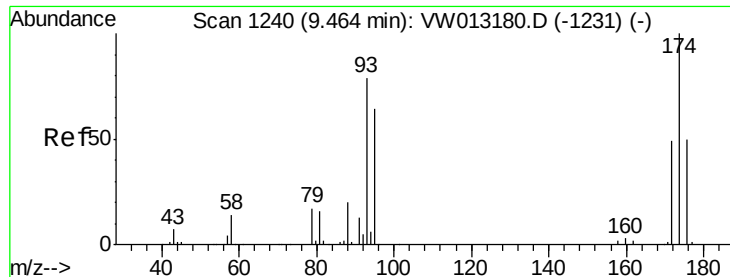
69 81.8 69.7 104.5

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: 546.789 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

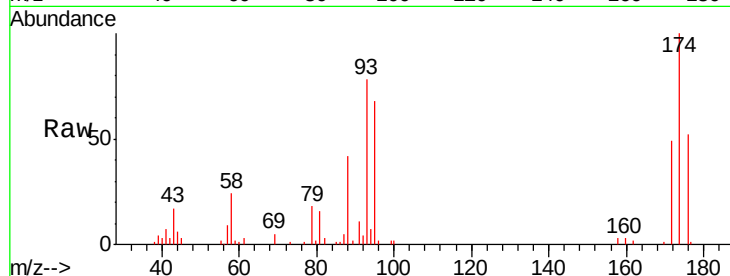
Tgt Ion: 88 Resp: 12431

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

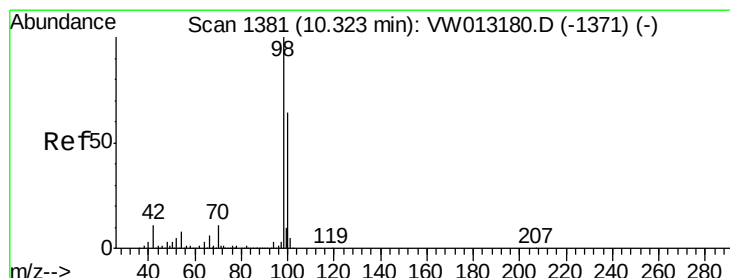
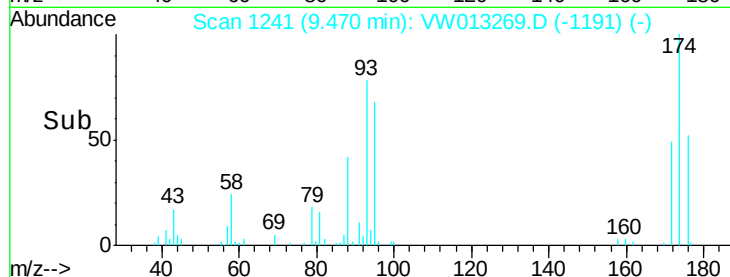
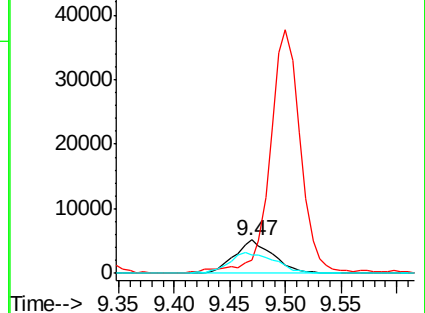
58 74.8 65.4 98.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.779 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013269.D

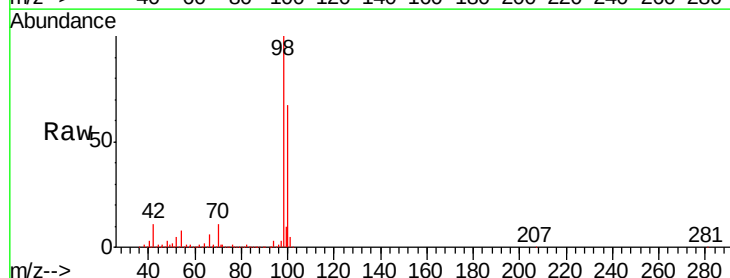
Acq: 24 Sep 2019 12:10

Tgt Ion: 98 Resp: 531048

Ion Ratio Lower Upper

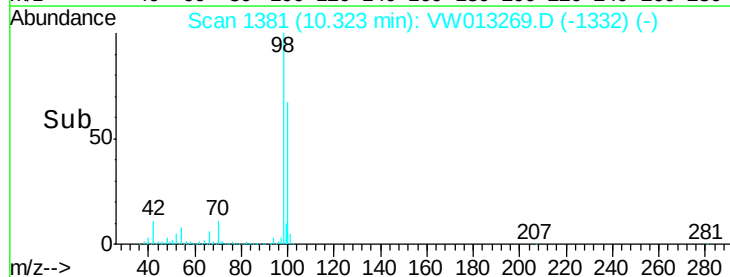
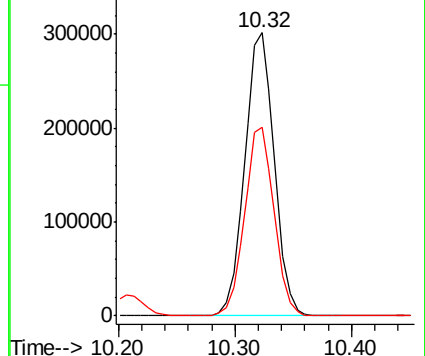
98 100

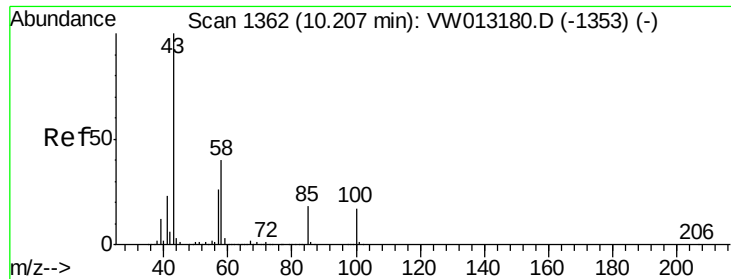
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 124.533 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

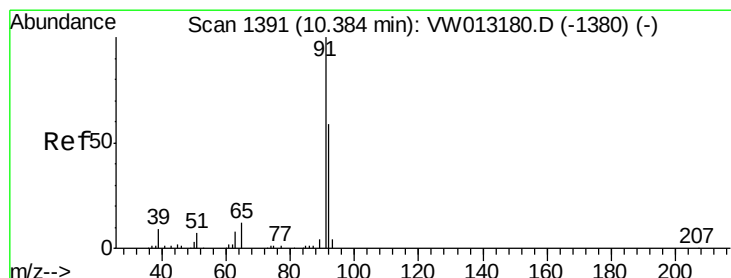
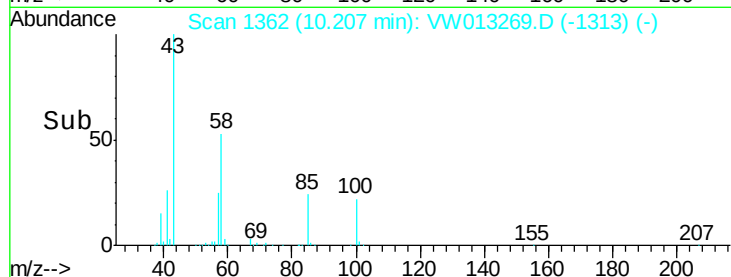
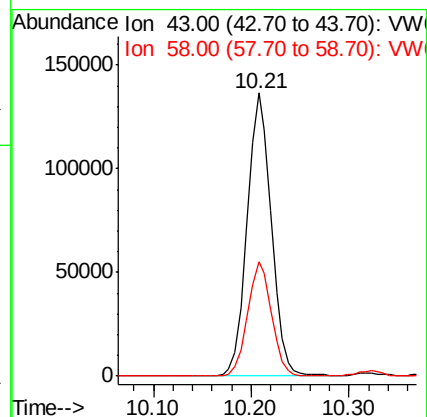
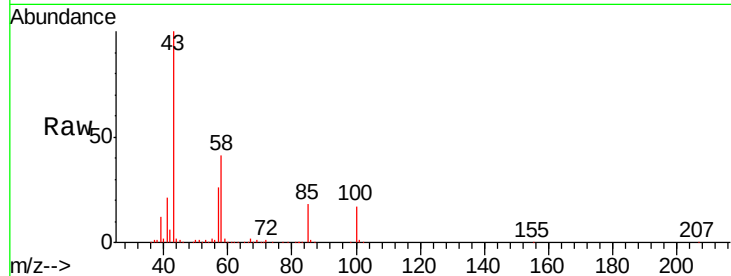
VW0924SBS01

Tgt Ion: 43 Resp: 232961

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 20.183 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013269.D

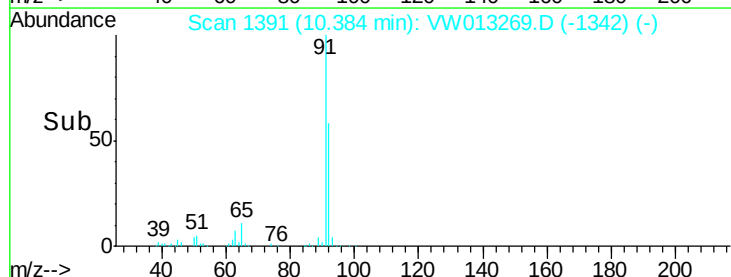
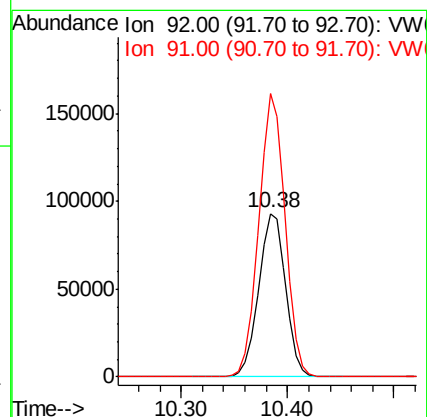
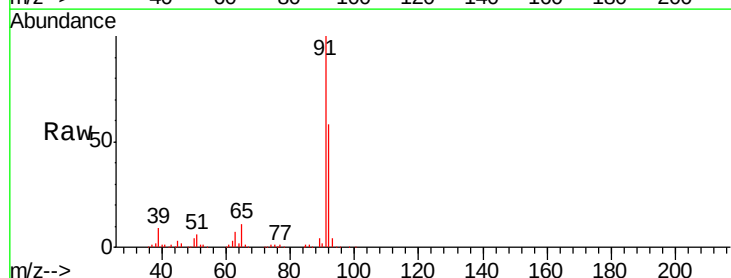
Acq: 24 Sep 2019 12:10

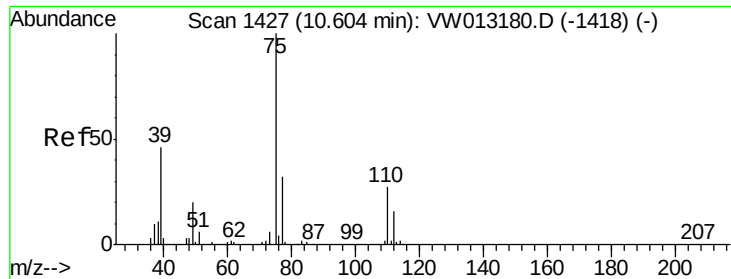
Tgt Ion: 92 Resp: 165287

Ion Ratio Lower Upper

92 100

91 169.1 135.7 203.5

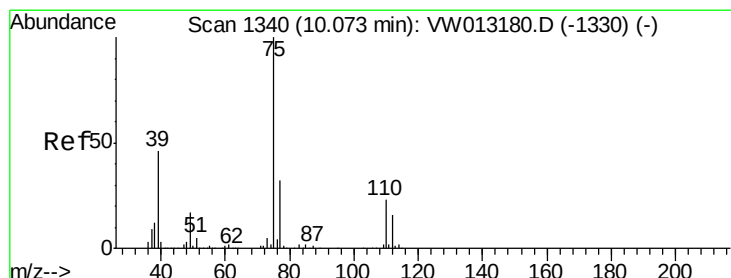
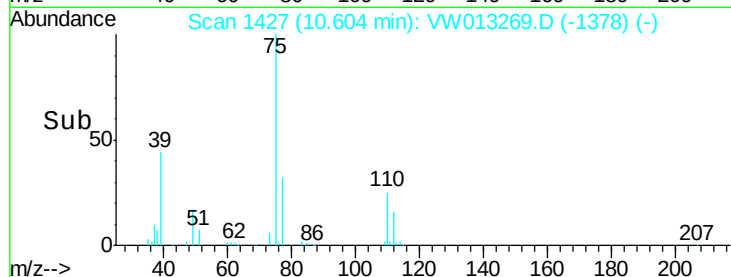
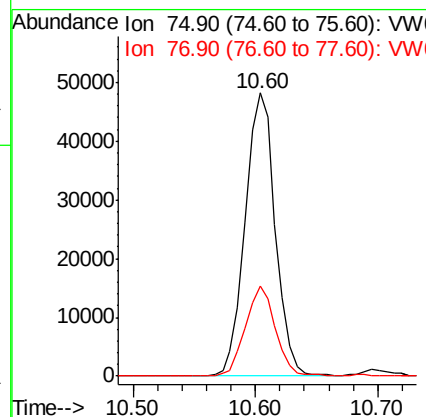
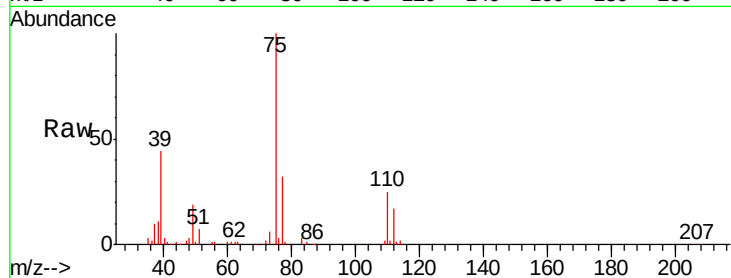




#53
 t-1,3-Dichloropropene
 Concen: 20.819 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

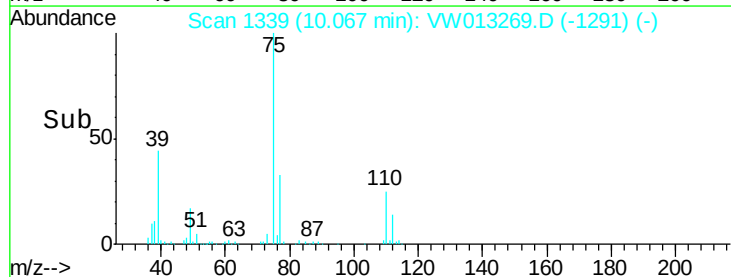
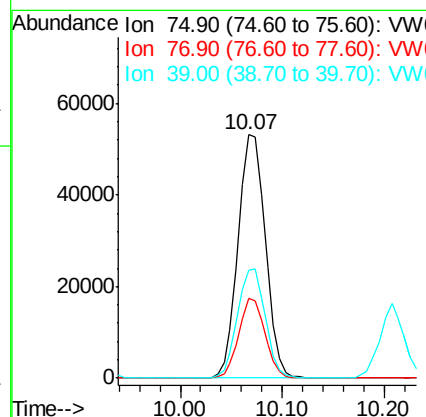
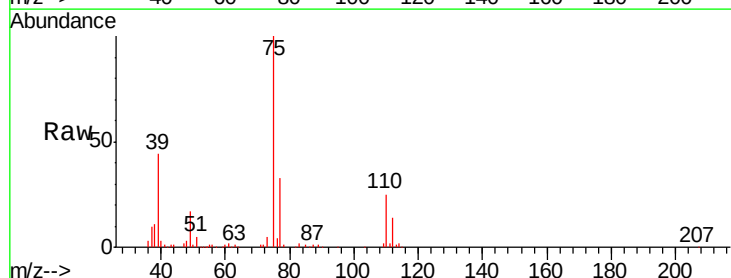
Instrument :
 MSVOA_W
 ClientSampled :
 VW0924SBS01

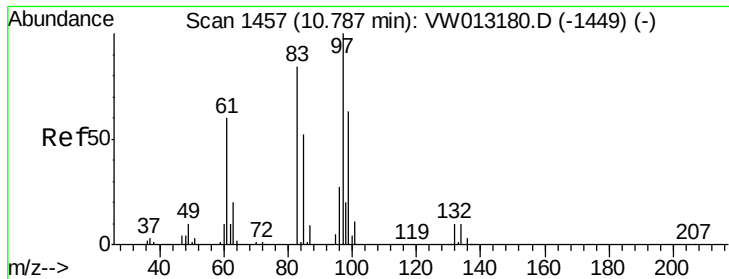
Tgt Ion: 75 Resp: 82433
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.487 ug/l
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 75 Resp: 98626
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8
 39 44.3 36.6 55.0

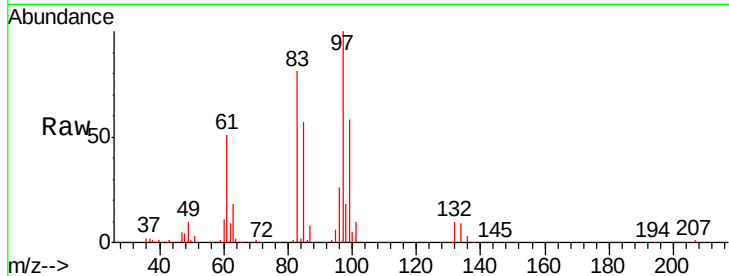




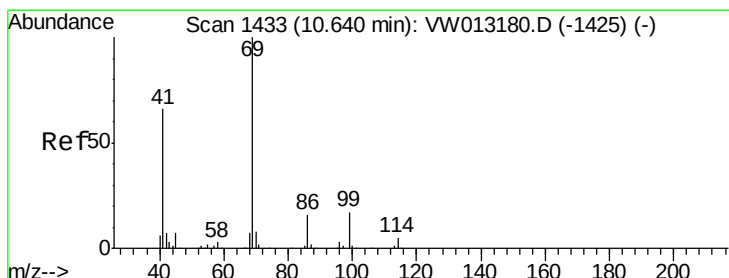
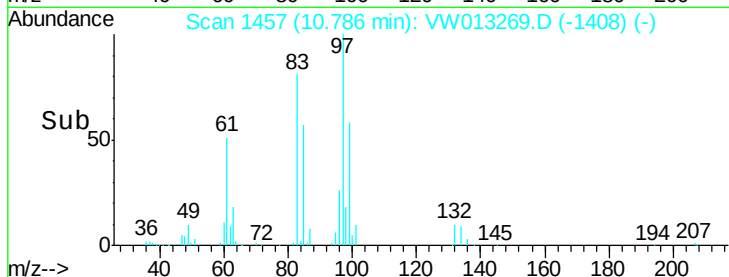
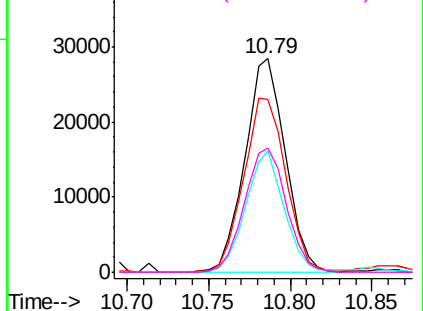
#55
 1,1,2-Trichloroethane
 Concen: 21.628 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tgt Ion:	97	Resp:	48962
Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.6	101.4
85	56.8	41.9	62.9
99	58.0	50.1	75.1

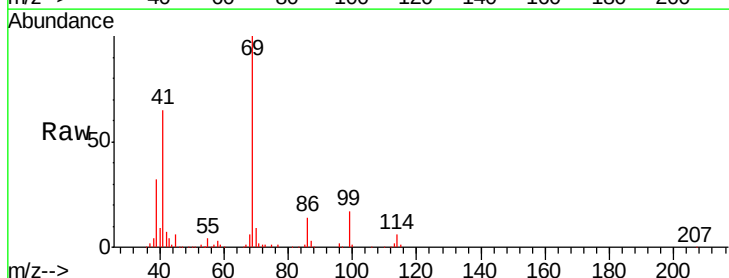


Abundance Ion 96.90 (96.60 to 97.60): VW

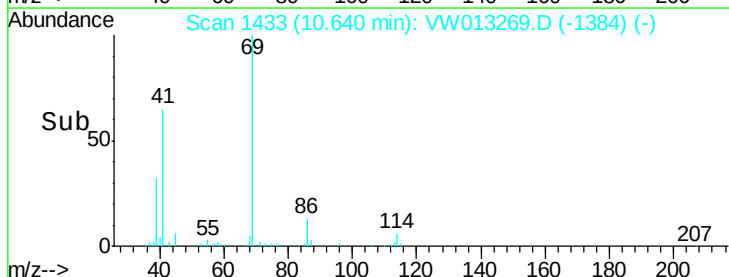
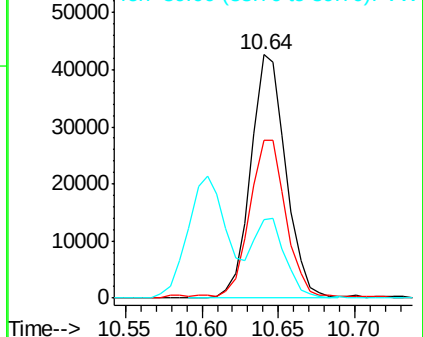


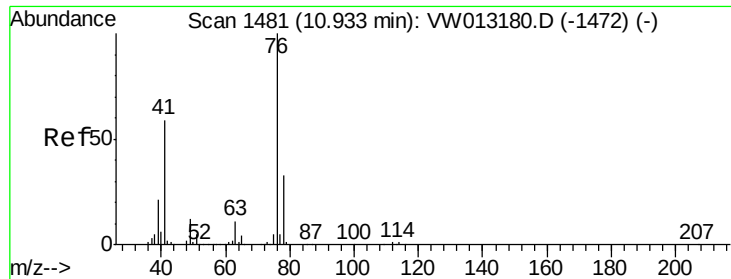
#56
 Ethyl methacrylate
 Concen: 22.888 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion:	69	Resp:	67809
Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.9	80.9
39	29.6	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VW

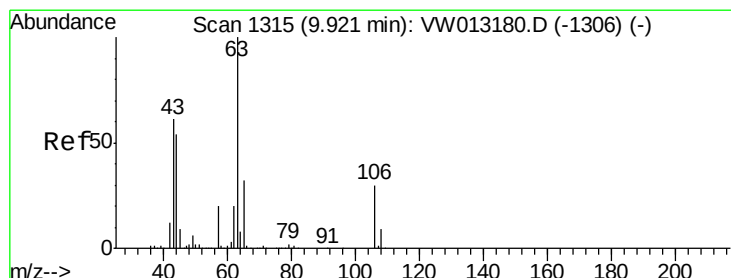
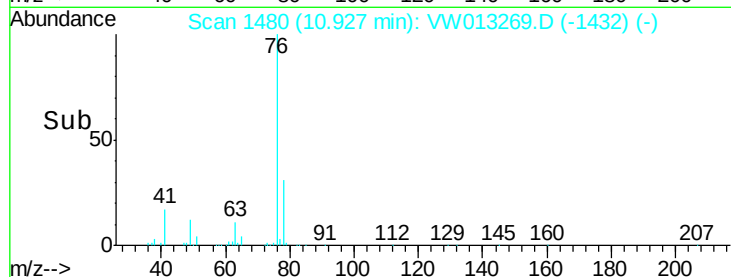
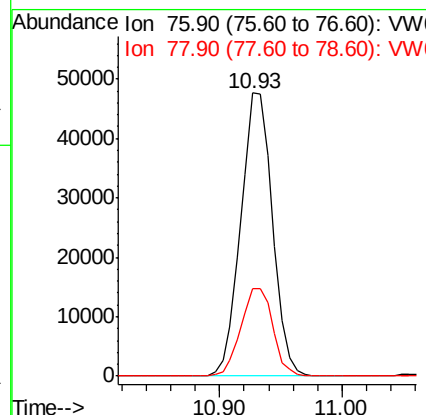
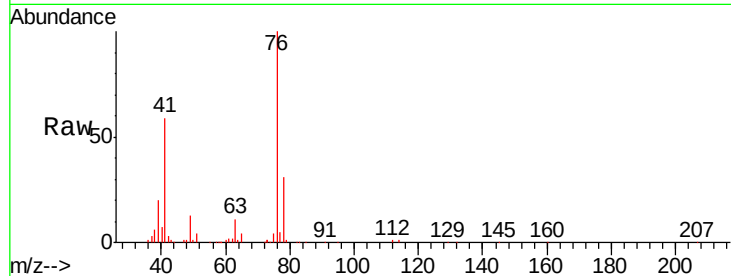




#57
 1,3-Dichloropropane
 Concen: 21.659 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

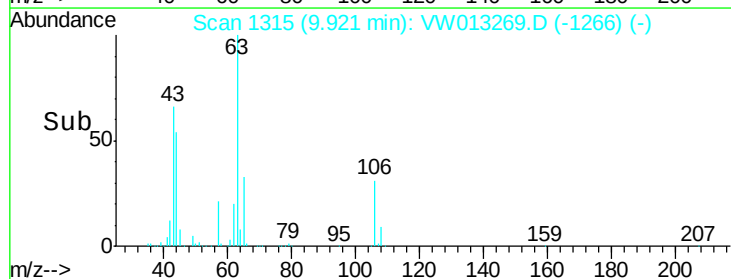
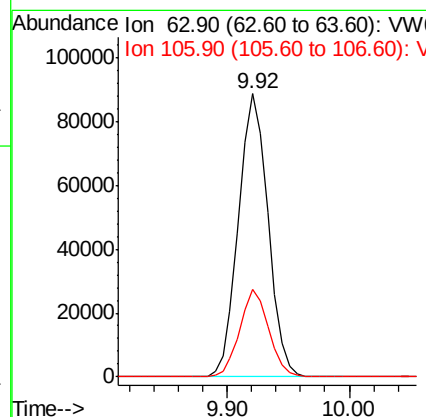
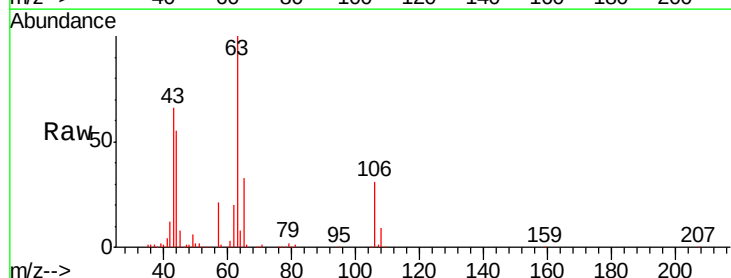
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

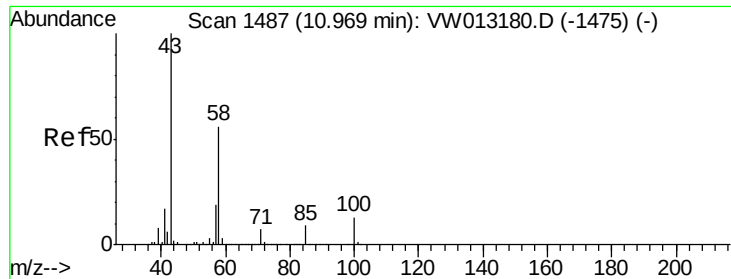
Tgt Ion: 76 Resp: 85560
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.454 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 63 Resp: 148751
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.4 35.0

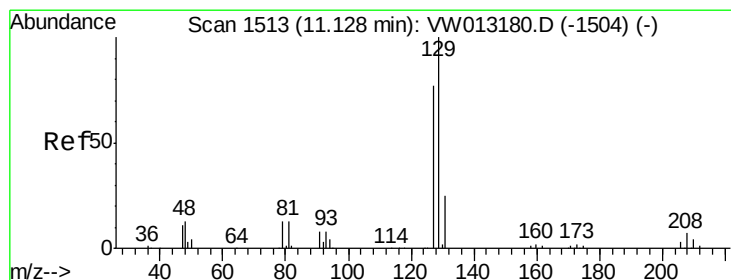
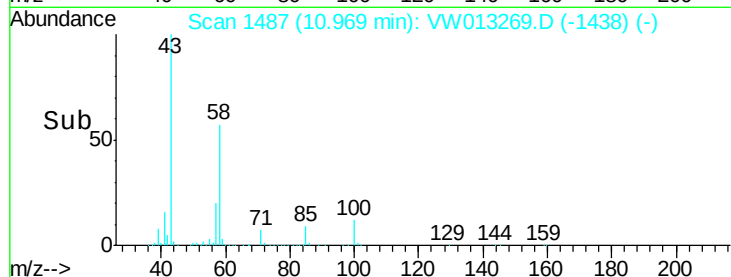
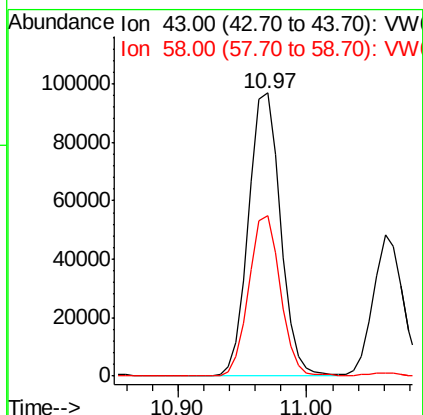
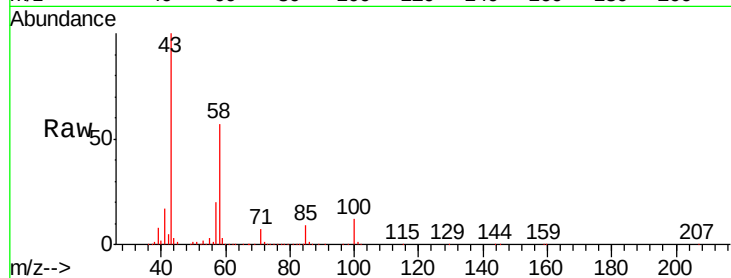




#59
2-Hexanone
Concen: 128.775 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

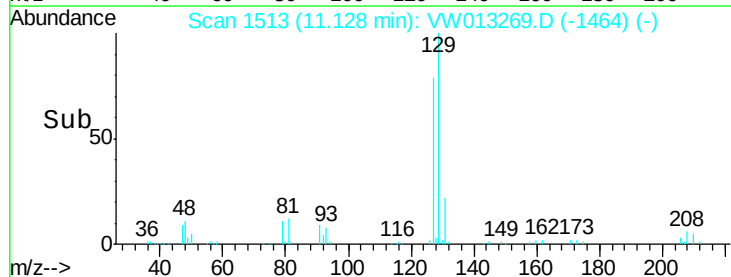
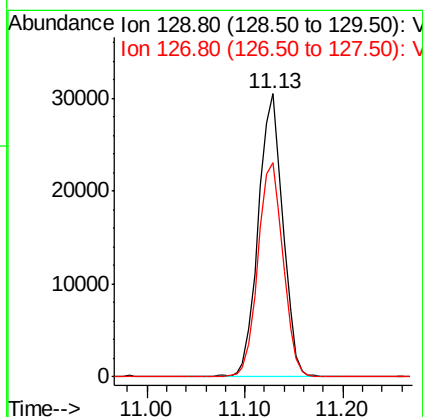
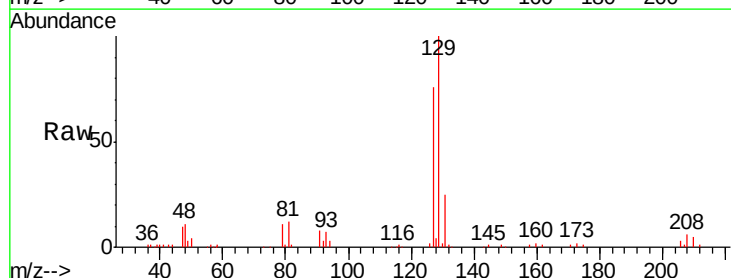
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

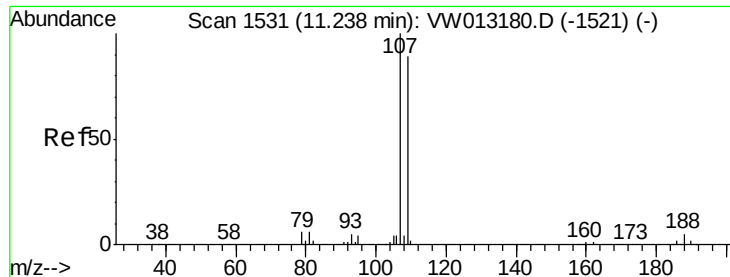
Tgt Ion: 43 Resp: 165736
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.2



#60
Dibromochloromethane
Concen: 20.712 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 129 Resp: 53239
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4

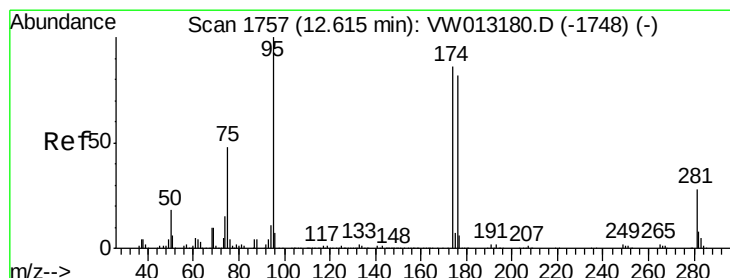
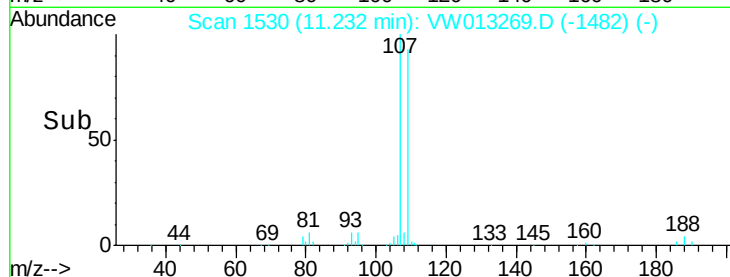
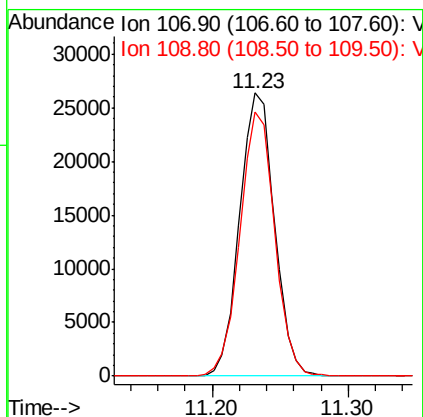
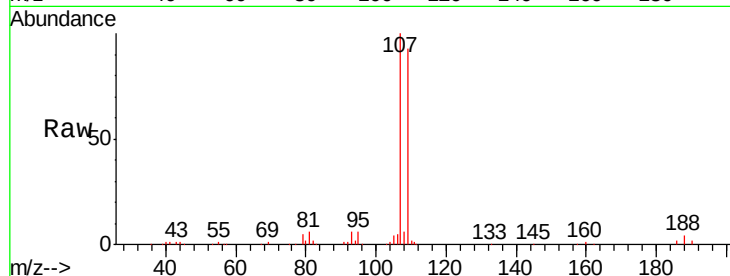




#61
1,2-Dibromoethane
Concen: 21.918 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

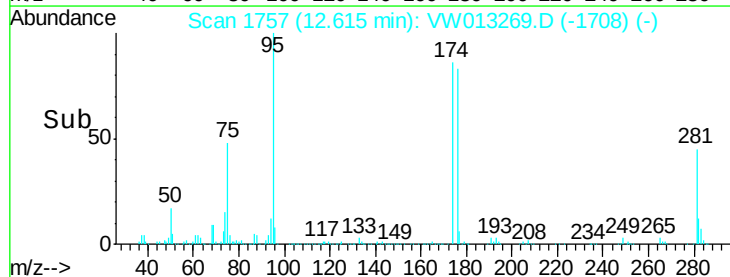
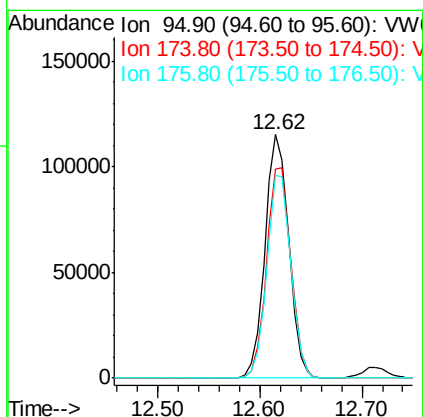
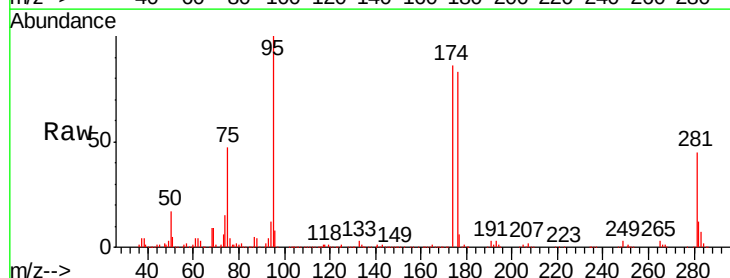
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

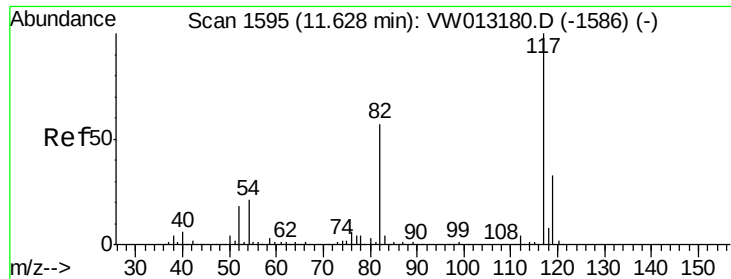
Tgt Ion: 107 Resp: 47177
Ion Ratio Lower Upper
107 100
109 93.2 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 50.111 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion: 95 Resp: 186354
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.4
176 83.9 0.0 172.2

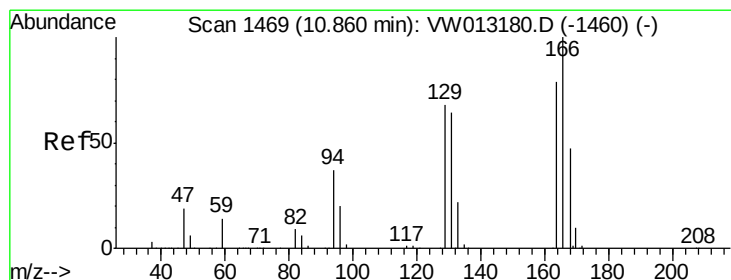
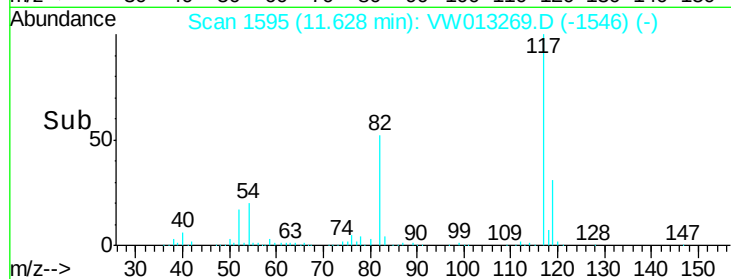
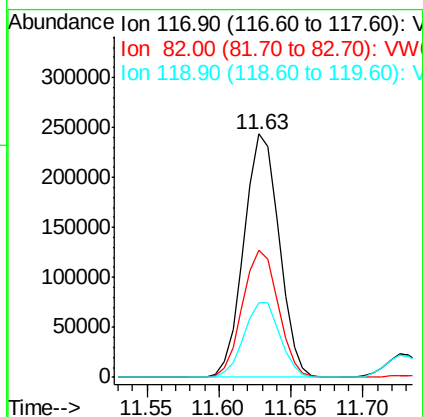
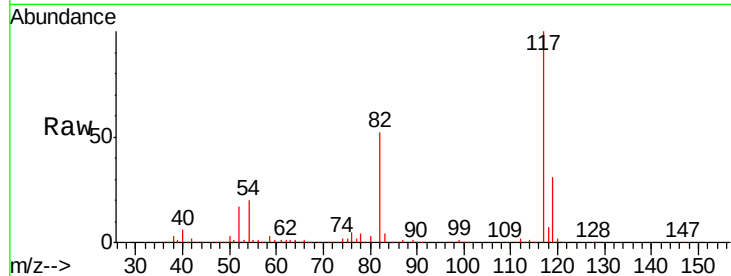




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

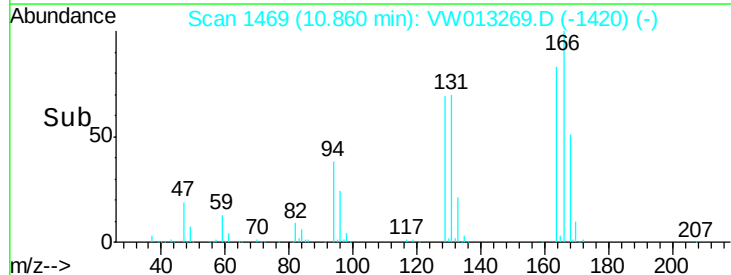
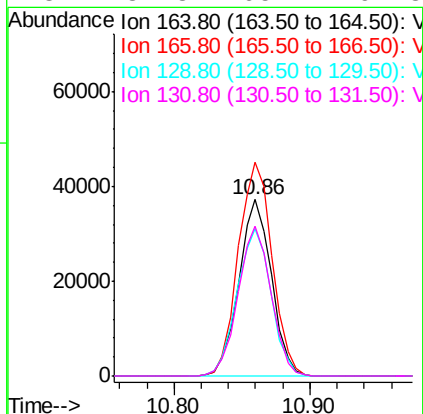
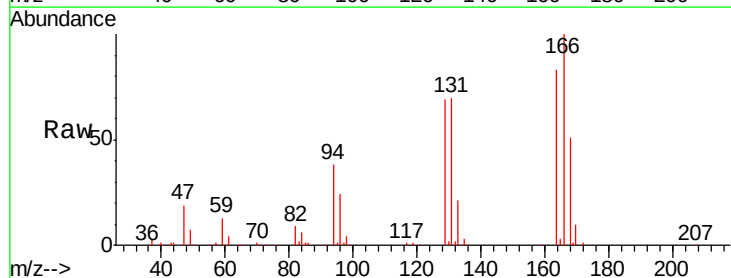
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

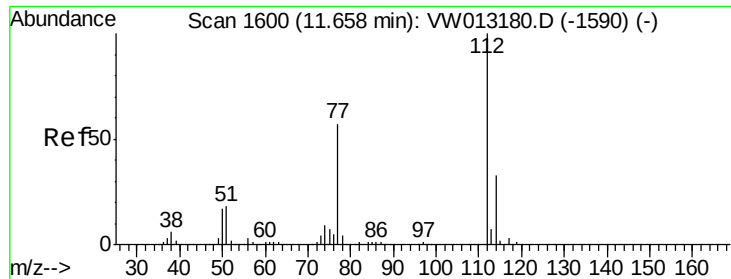
Tgt Ion:117 Resp: 413927
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 30.7 26.2 39.2



#64
Tetrachloroethene
Concen: 19.790 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:164 Resp: 62153
Ion Ratio Lower Upper
164 100
166 121.0 101.2 151.8
129 83.0 68.8 103.2
131 84.8 65.2 97.8

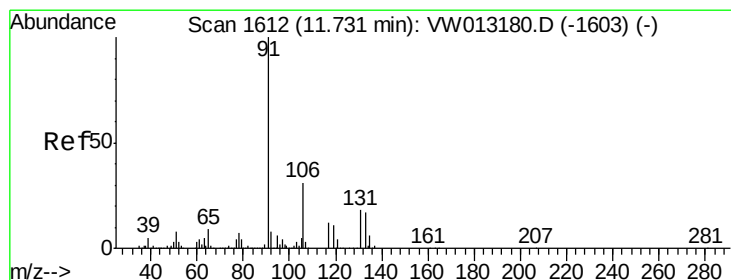
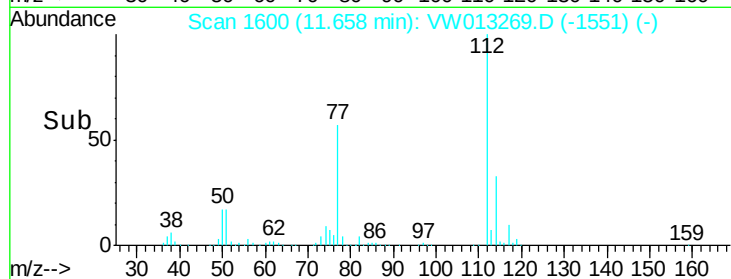
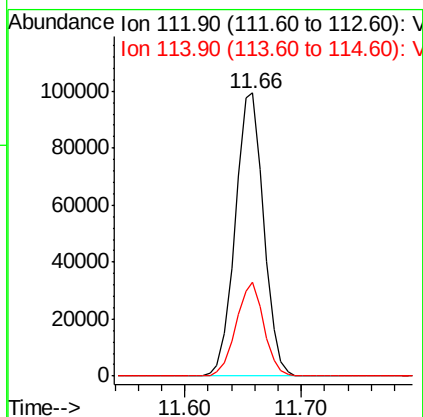
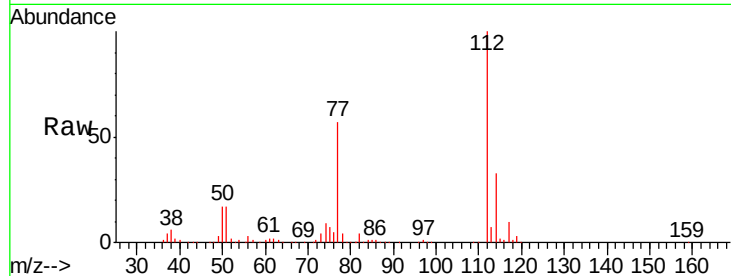




#65
Chlorobenzene
Concen: 19.565 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

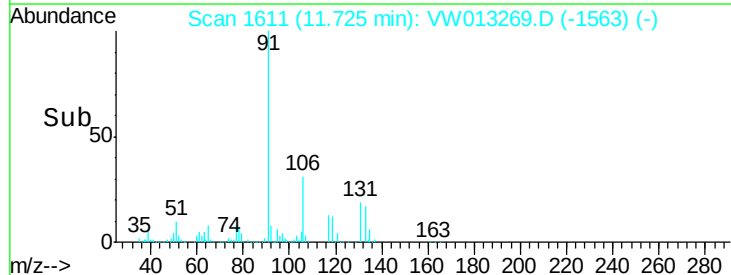
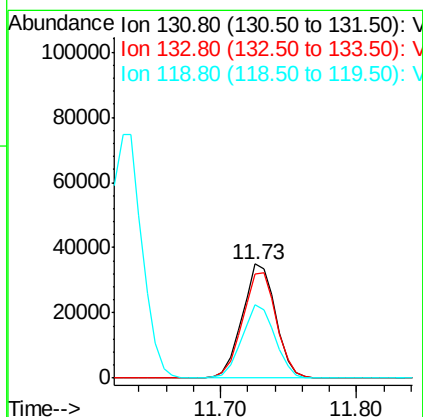
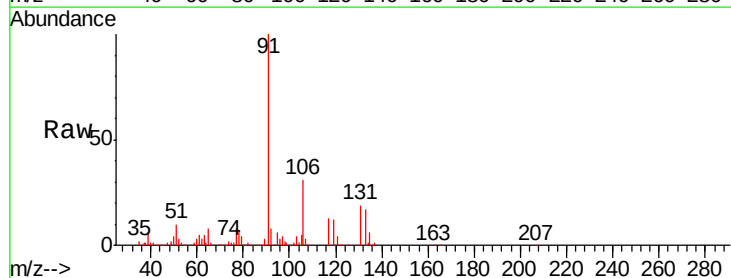
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

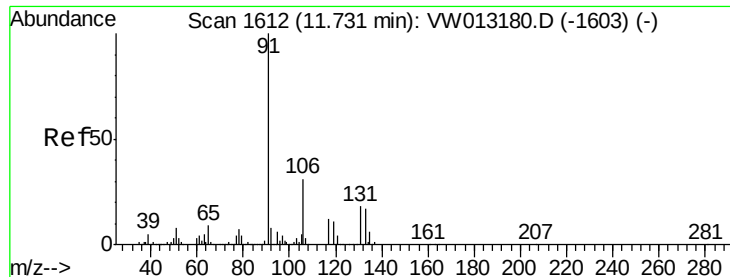
Tgt Ion:112 Resp: 169113
Ion Ratio Lower Upper
112 100
114 33.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.236 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:131 Resp: 59756
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.6
119 63.6 32.5 97.5





#67

Ethyl Benzene

Concen: 20.088 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

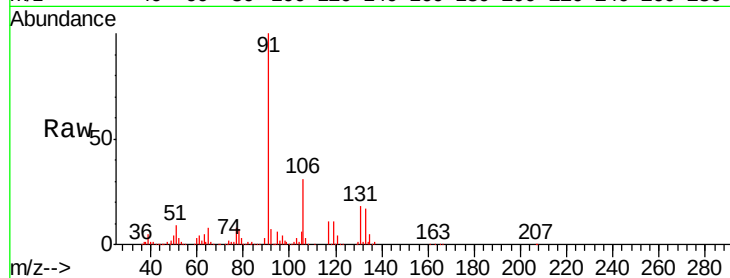
VW0924SBS01

Tgt Ion: 91 Resp: 314601

Ion Ratio Lower Upper

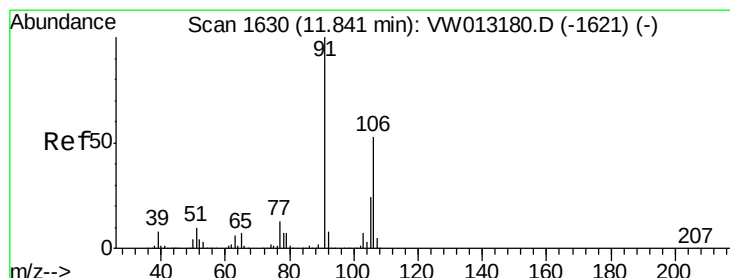
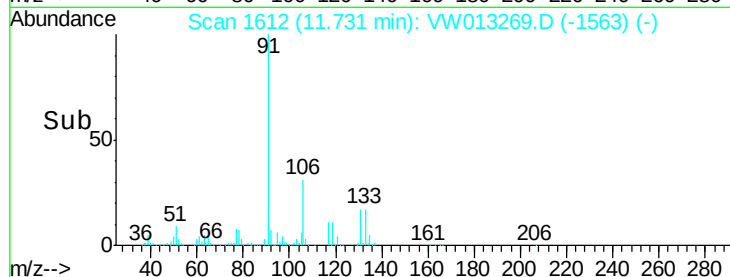
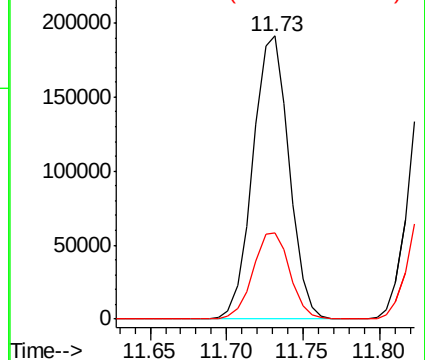
91 100

106 30.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.844 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013269.D

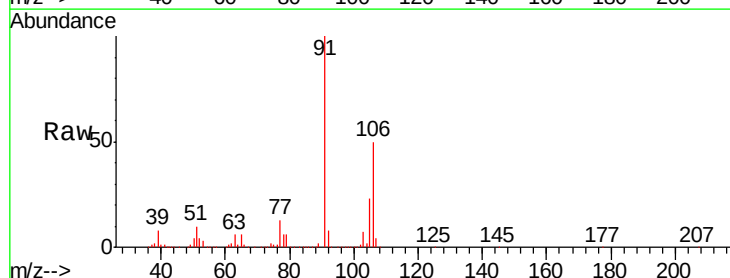
Acq: 24 Sep 2019 12:10

Tgt Ion: 106 Resp: 237787

Ion Ratio Lower Upper

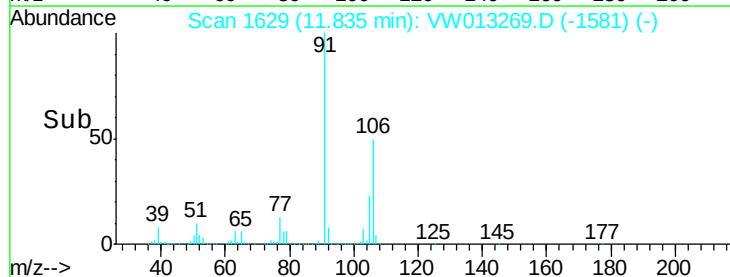
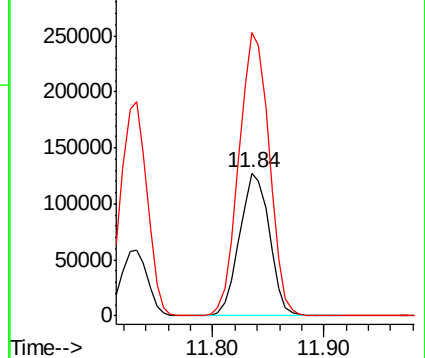
106 100

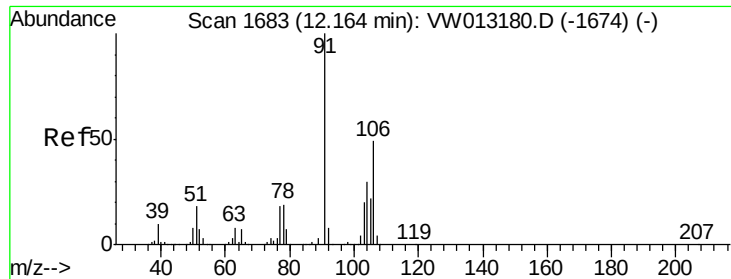
91 200.6 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

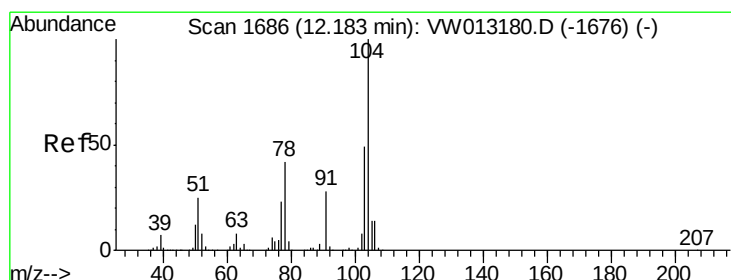
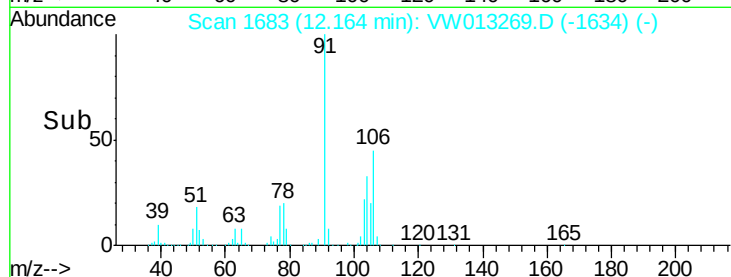
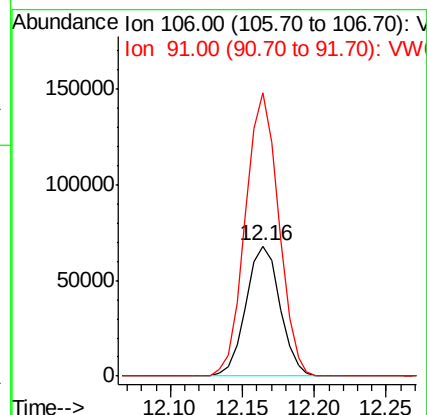
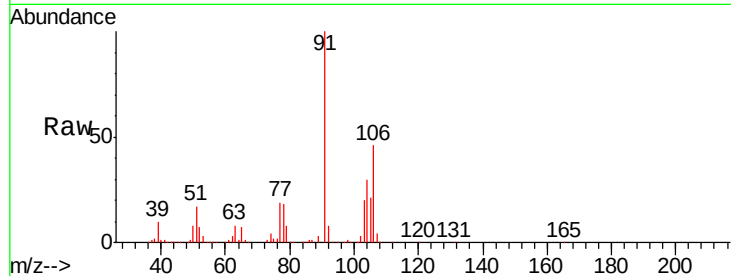




#69
o-Xylene
Concen: 19.993 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

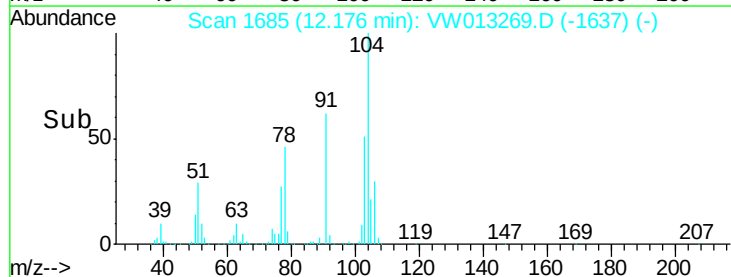
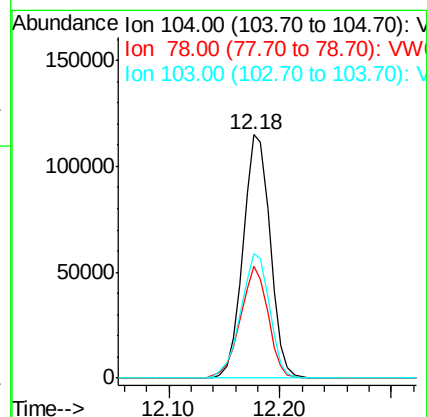
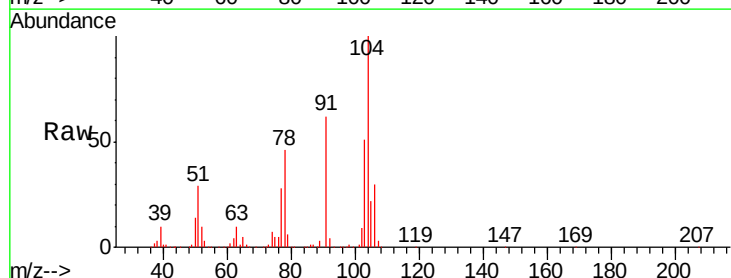
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

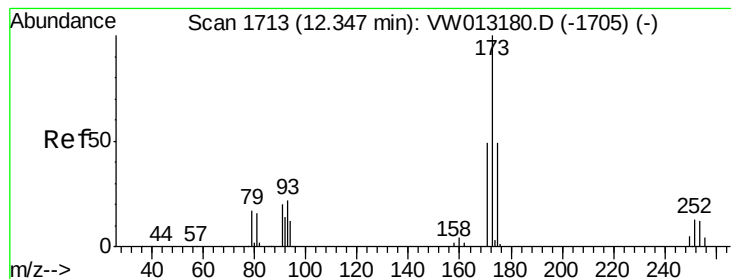
Tgt Ion:106 Resp: 110933
Ion Ratio Lower Upper
106 100
91 214.2 106.5 319.5



#70
Styrene
Concen: 20.348 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:104 Resp: 193830
Ion Ratio Lower Upper
104 100
78 46.6 38.4 57.6
103 54.3 43.3 64.9





#71

Bromoform

Concen: 21.435 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

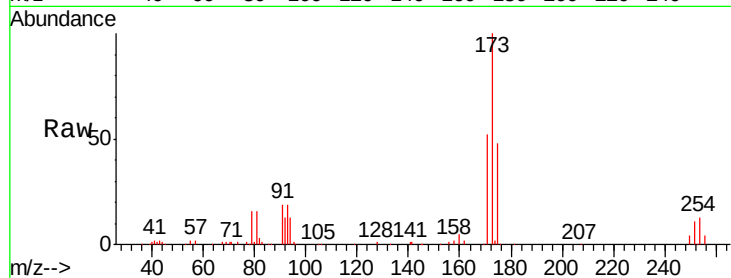
Tgt Ion:173 Resp: 33439

Ion Ratio Lower Upper

173 100

175 50.7 24.3 73.0

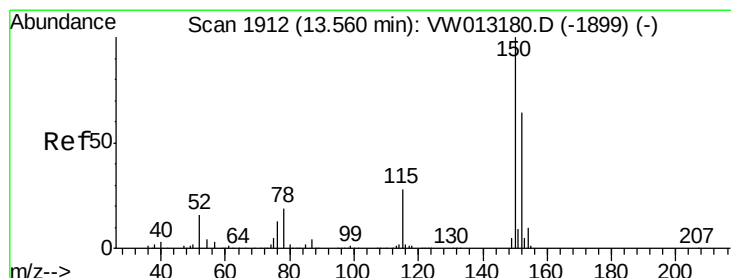
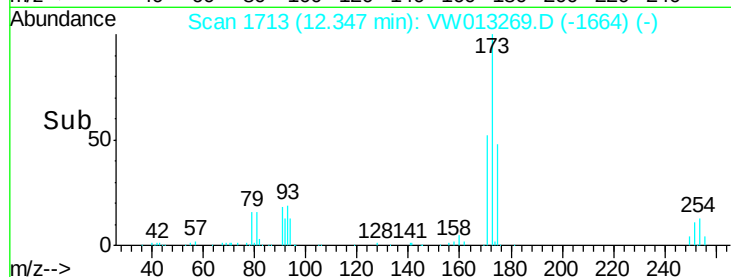
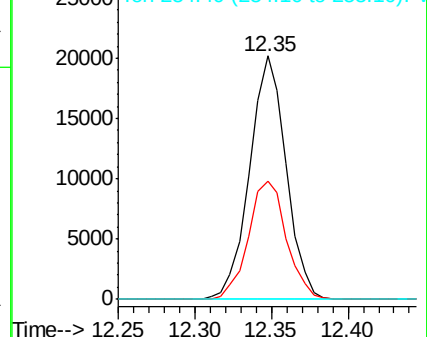
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

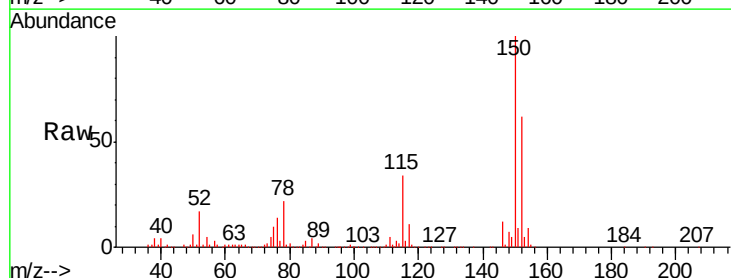
Tgt Ion:152 Resp: 207423

Ion Ratio Lower Upper

152 100

115 56.1 27.3 81.9

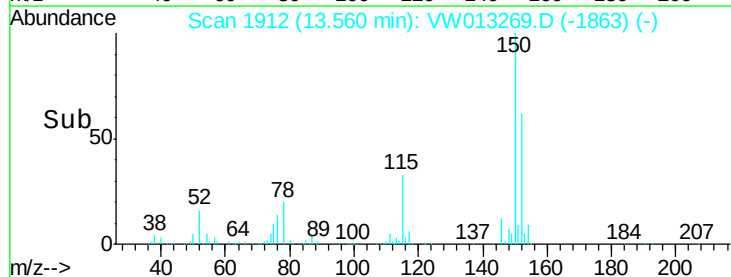
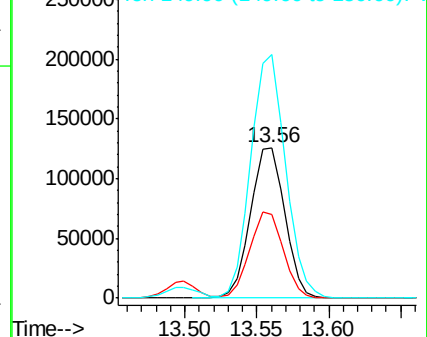
150 164.7 0.0 349.0

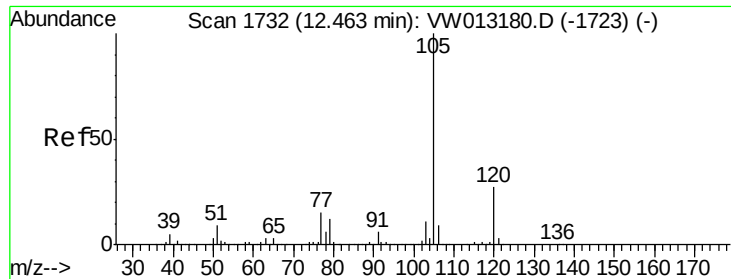


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.392 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

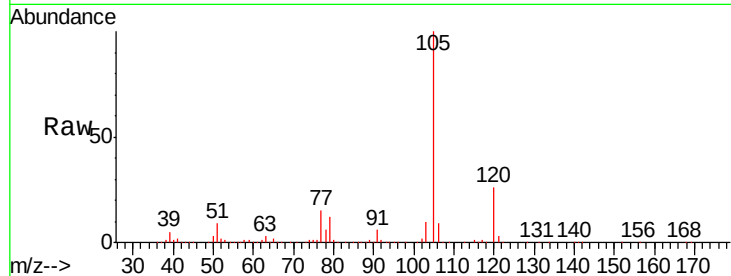
VW0924SBS01

Tgt Ion:105 Resp: 312463

Ion Ratio Lower Upper

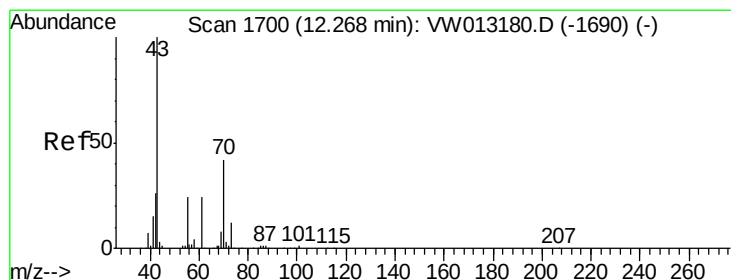
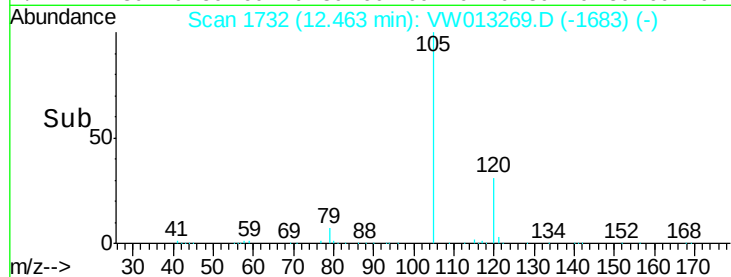
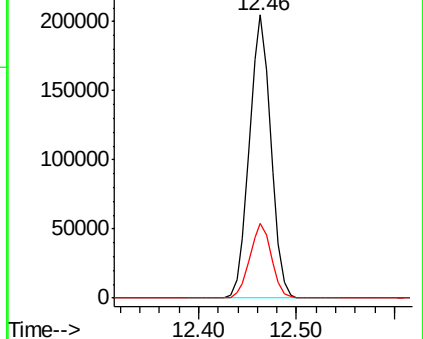
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.141 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion: 43 Resp: 78682

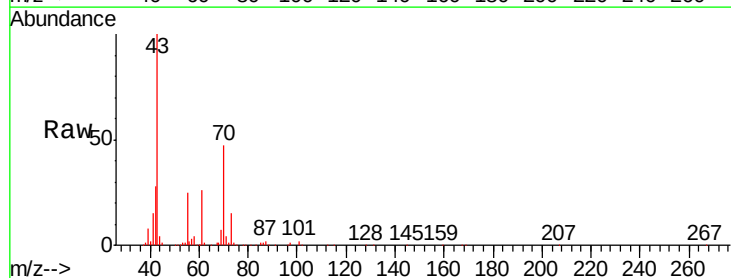
Ion Ratio Lower Upper

43 100

70 45.7 35.1 52.7

55 25.4 19.9 29.9

61 25.4 19.5 29.3

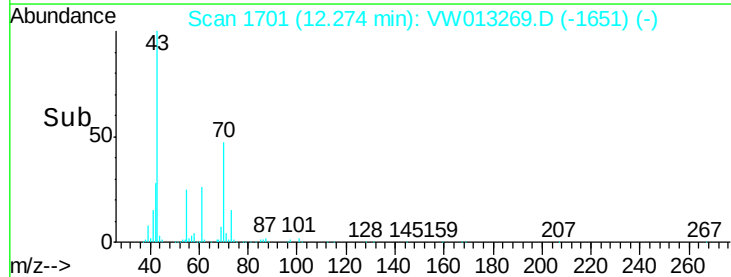
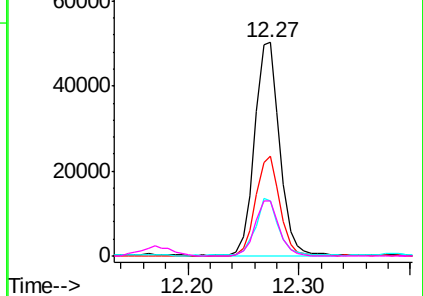


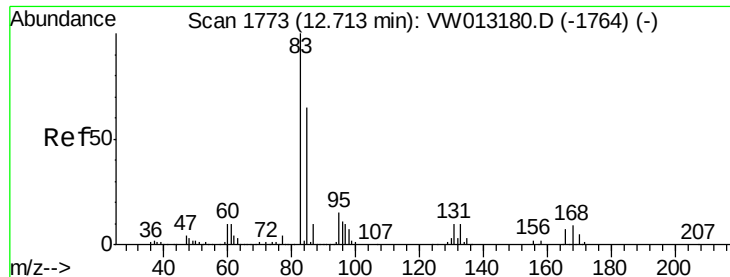
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.931 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

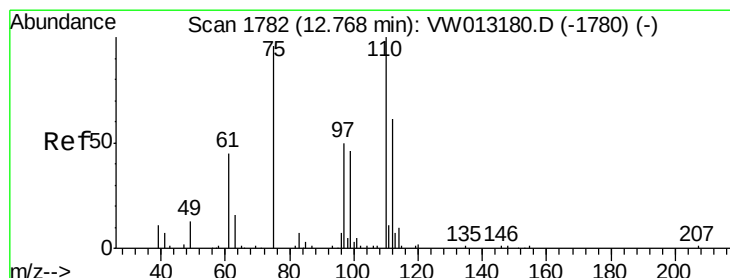
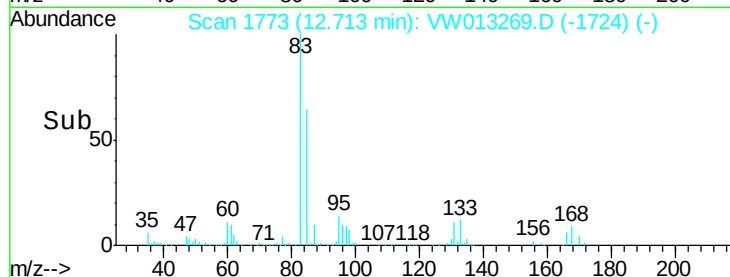
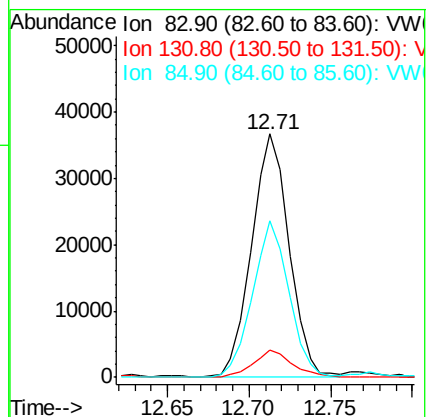
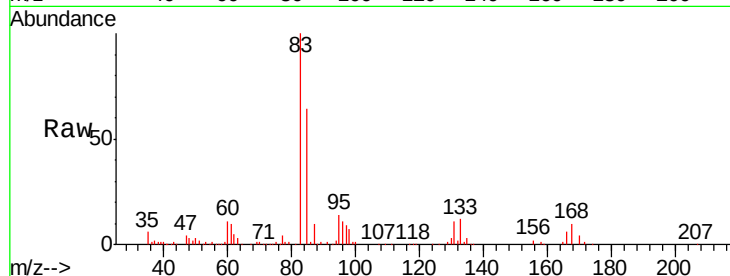
Tgt Ion: 83 Resp: 58762

Ion Ratio Lower Upper

83 100

131 12.0 5.4 16.2

85 62.8 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 41.161 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013269.D

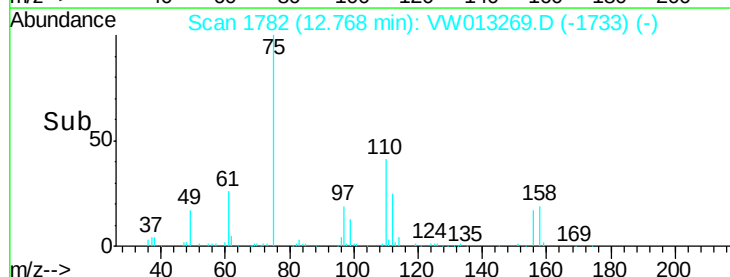
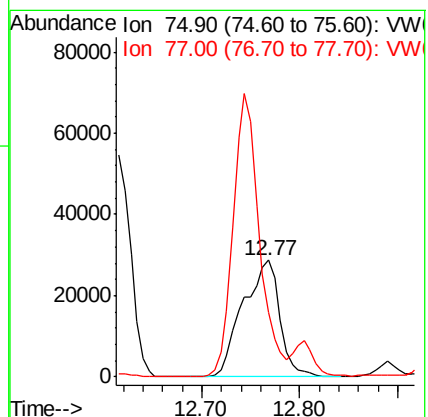
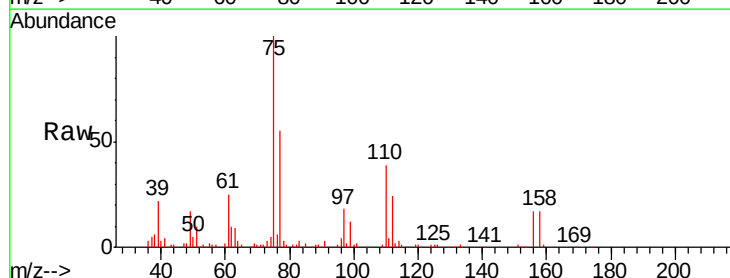
Acq: 24 Sep 2019 12:10

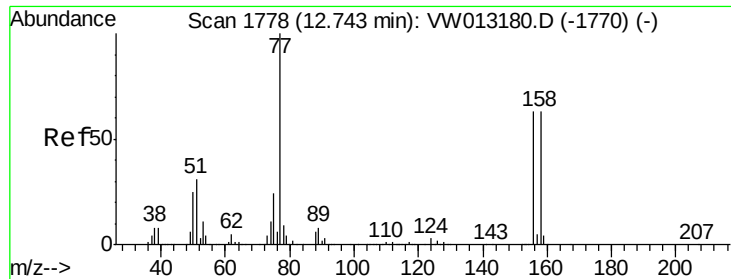
Tgt Ion: 75 Resp: 75399

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.941 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

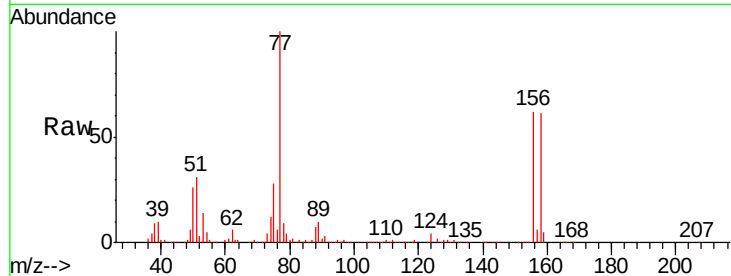
Tgt Ion:156 Resp: 72406

Ion Ratio Lower Upper

156 100

77 179.7 85.7 257.1

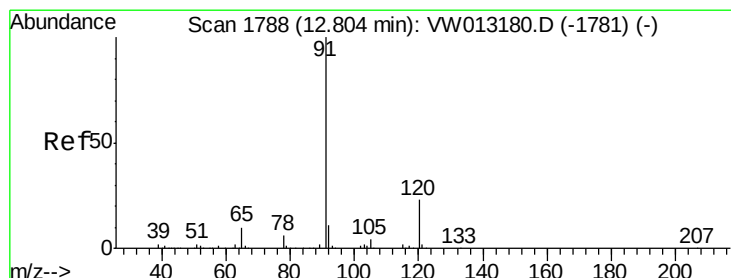
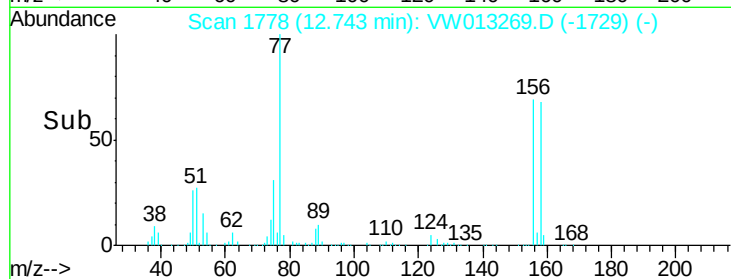
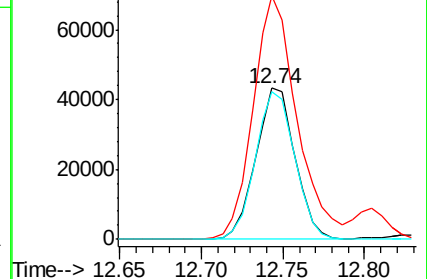
158 98.2 48.1 144.4



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: 20.305 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013269.D

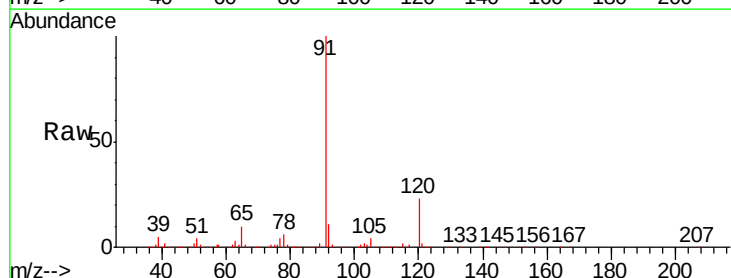
Acq: 24 Sep 2019 12:10

Tgt Ion: 91 Resp: 364187

Ion Ratio Lower Upper

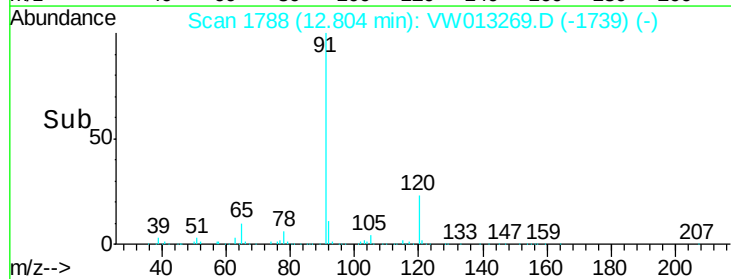
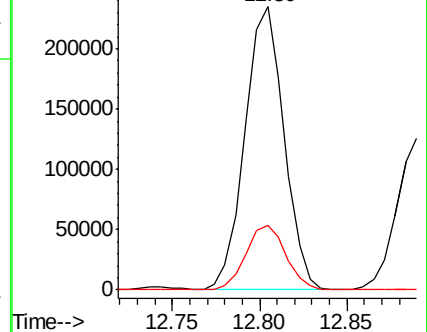
91 100

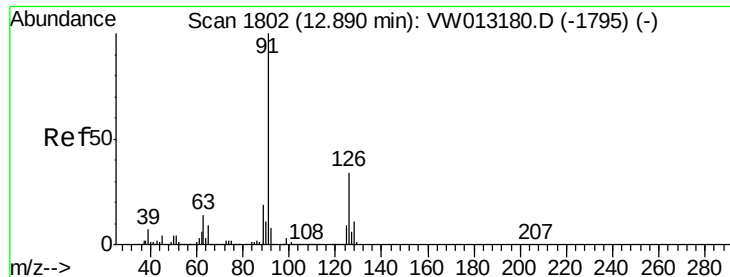
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

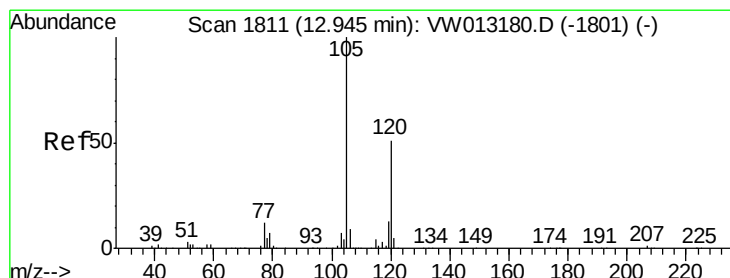
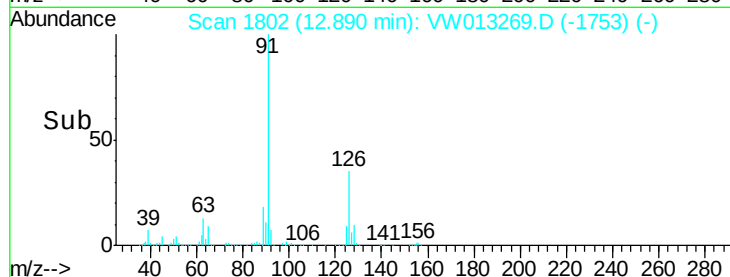
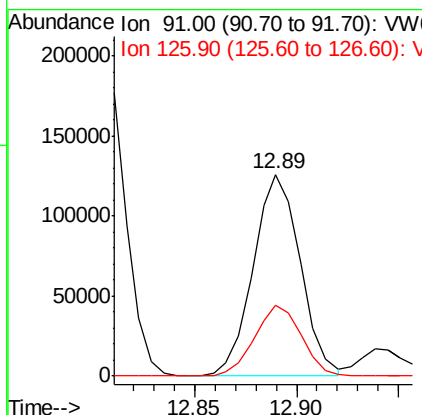
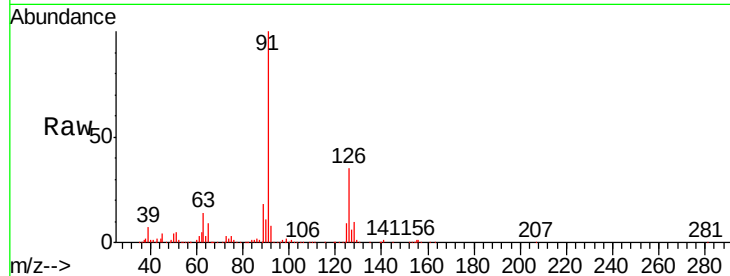




#79
 2-Chlorotoluene
 Concen: 20.052 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

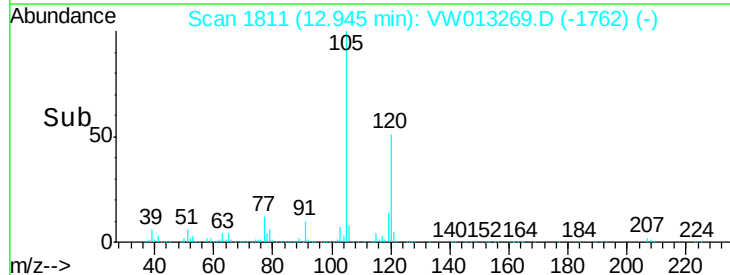
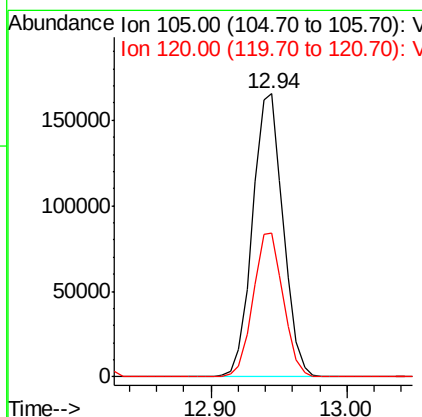
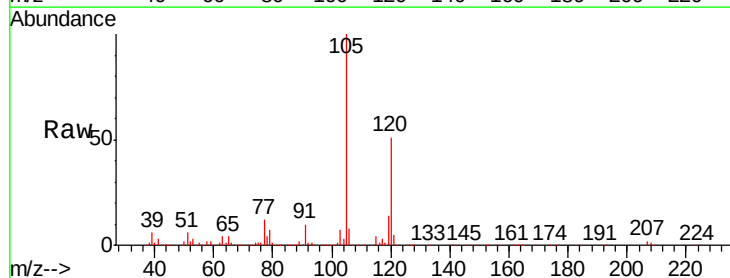
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

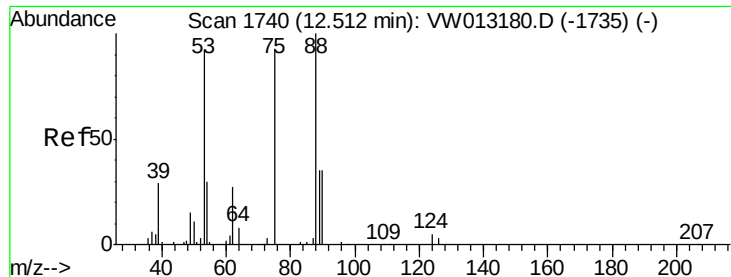
Tgt Ion: 91 Resp: 201484
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.211 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion: 105 Resp: 260319
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

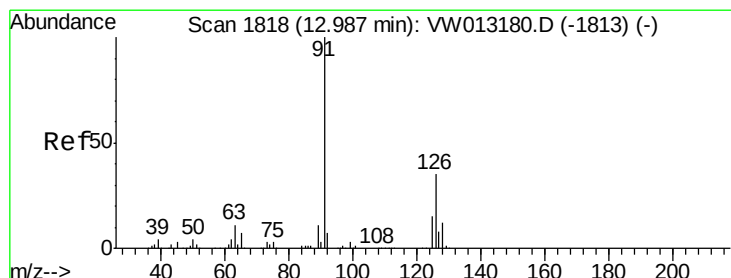
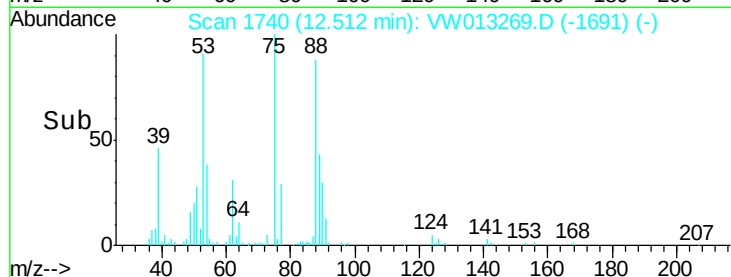
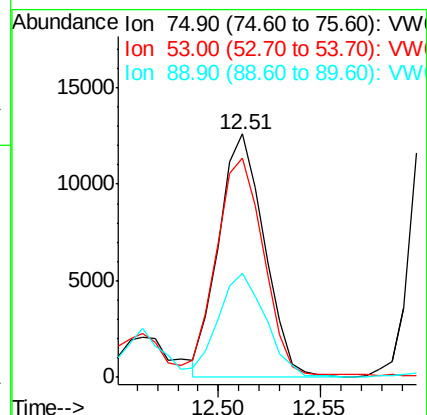
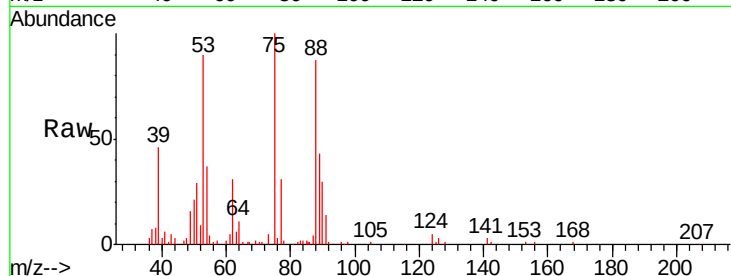
MSVOA_W

ClientSampleId :

VW0924SBS01

Tgt Ion: 75 Resp: 19610

Ion	Ratio	Lower	Upper
75	100		
53	92.0	76.6	114.8
89	44.9	33.5	50.3



#82

4-Chlorotoluene

Concen: 20.024 ug/l

RT: 12.99 min Scan# 1818

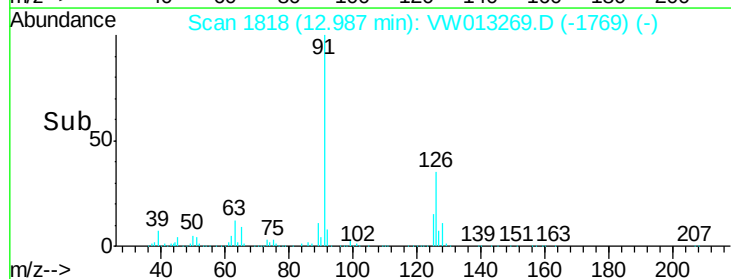
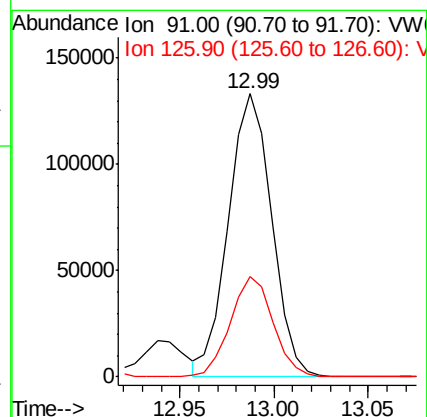
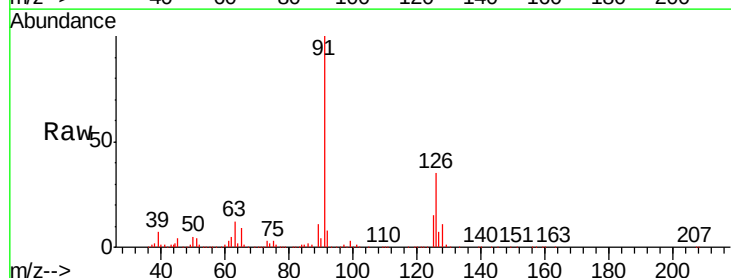
Delta R.T. -0.00 min

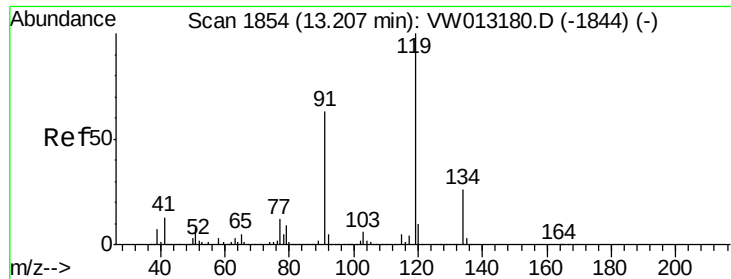
Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Tgt Ion: 91 Resp: 212179

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7

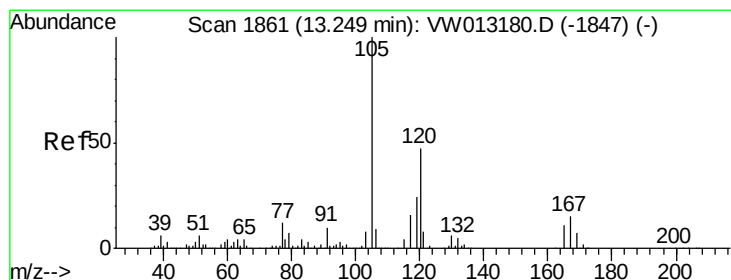
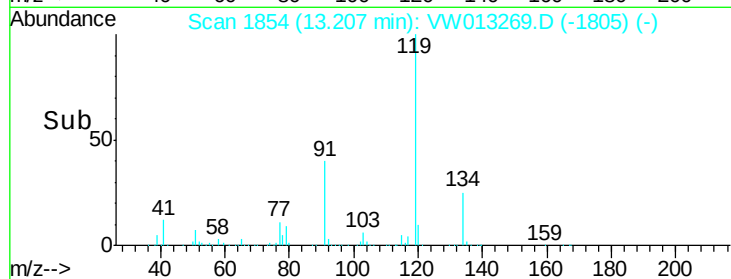
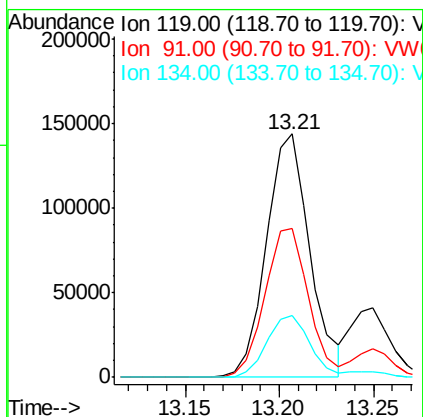
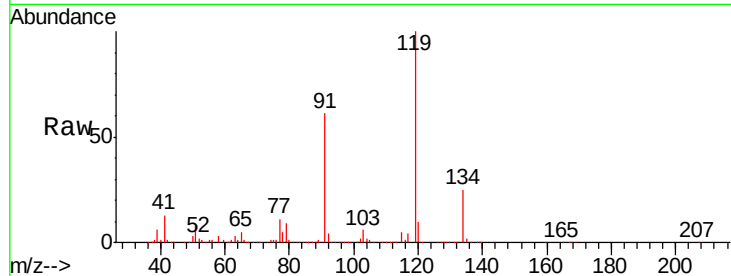




#83
 tert-Butylbenzene
 Concen: 20.404 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

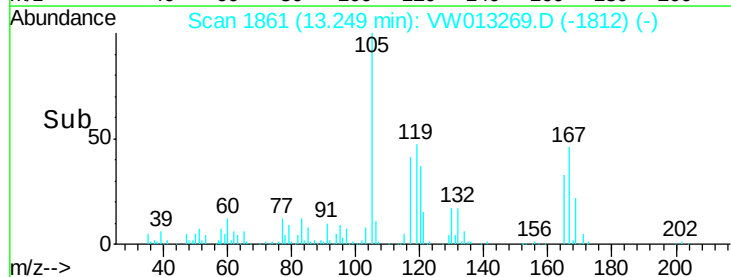
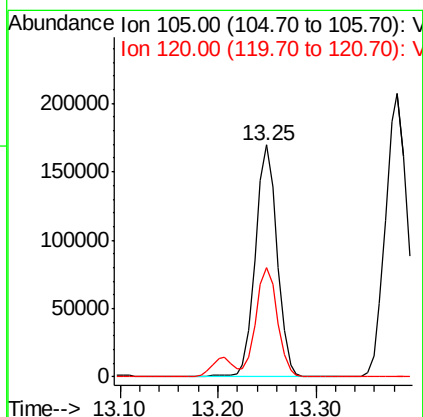
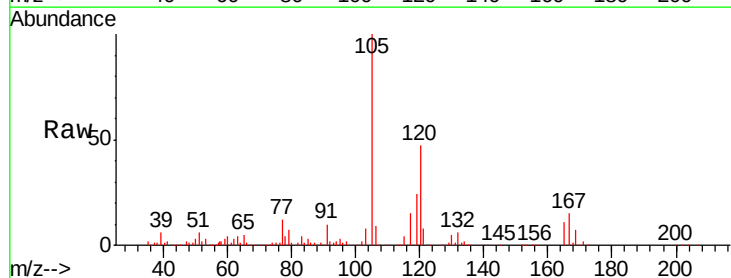
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

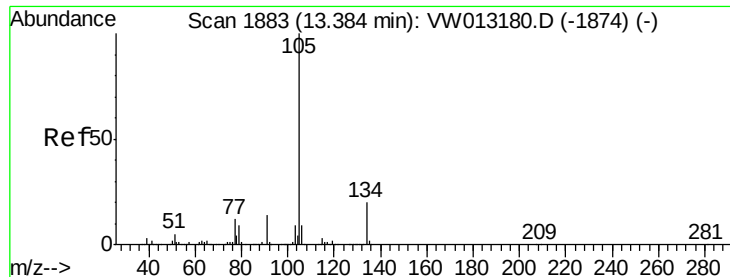
Tgt Ion:119 Resp: 230669
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.7 92.1
 134 27.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.400 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion:105 Resp: 261462
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3

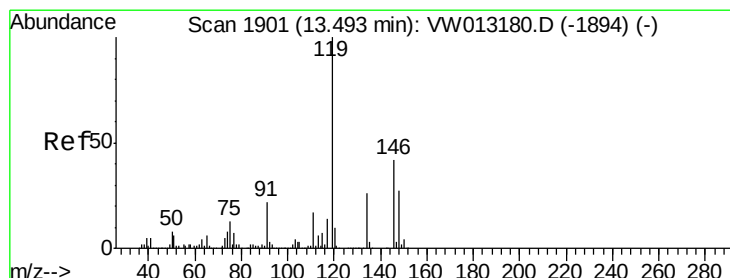
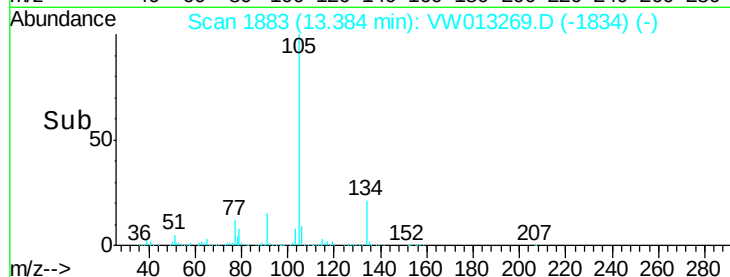
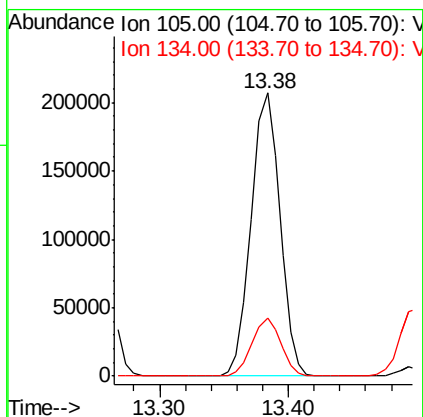
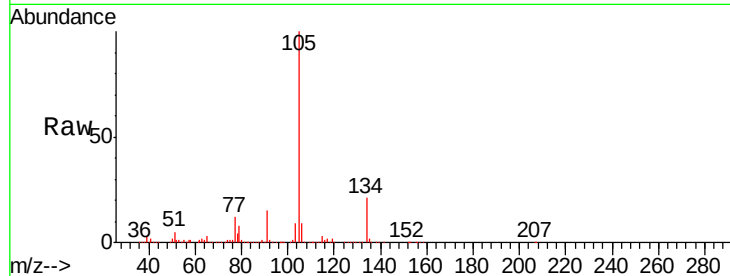




#85
 sec-Butylbenzene
 Concen: 20.540 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

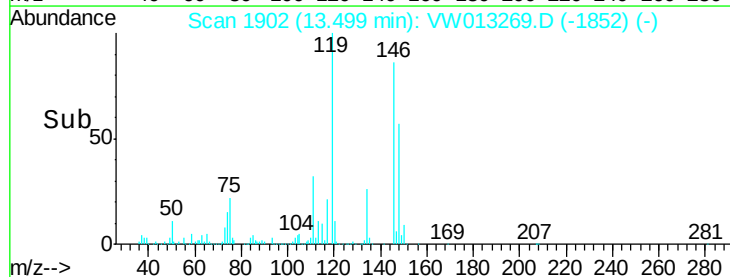
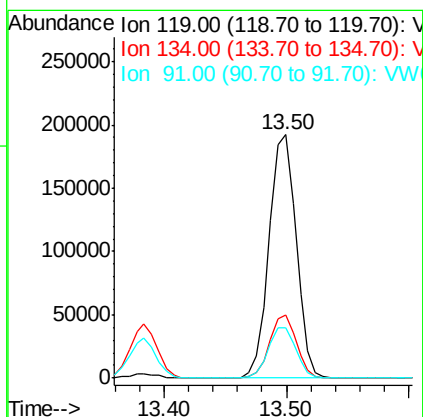
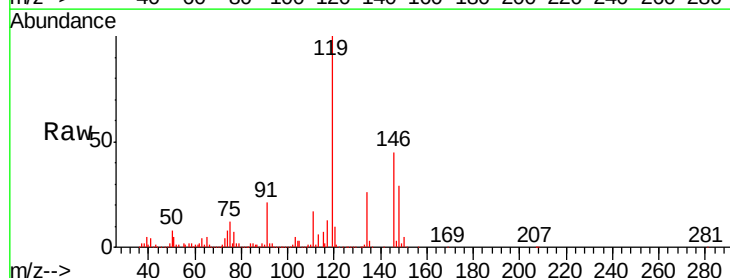
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

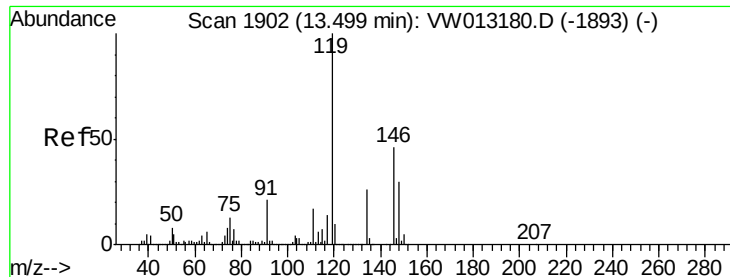
Tgt Ion:105 Resp: 320142
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.541 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion:119 Resp: 296949
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 21.3 10.8 32.4

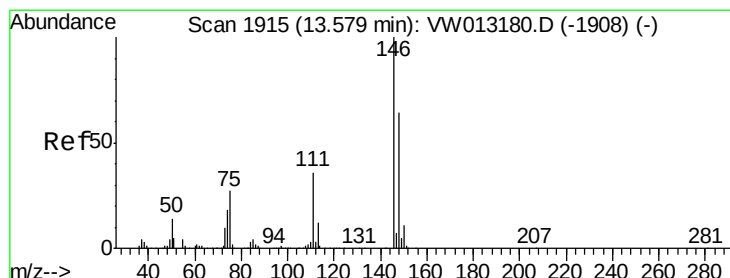
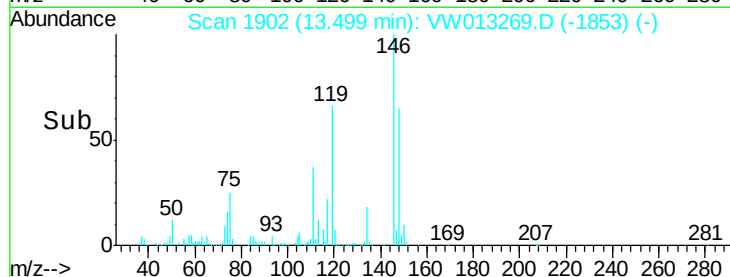
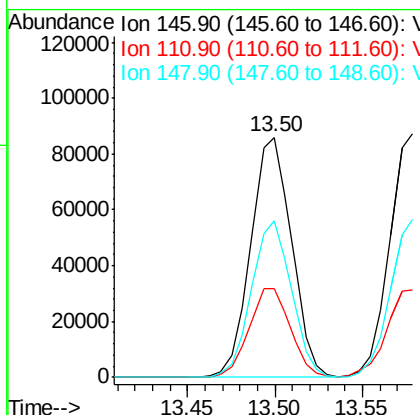
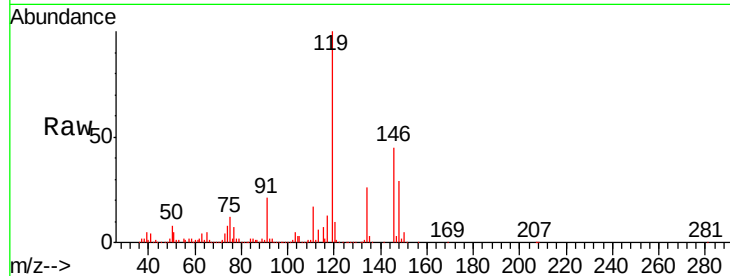




#87
 1,3-Dichlorobenzene
 Concen: 19.946 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

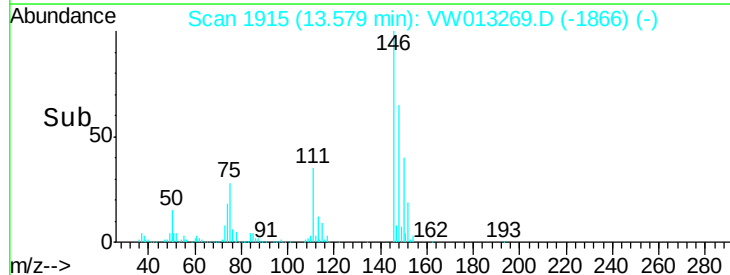
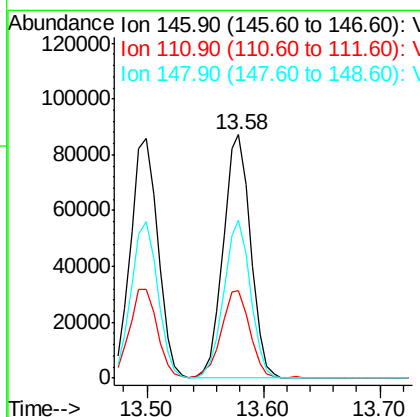
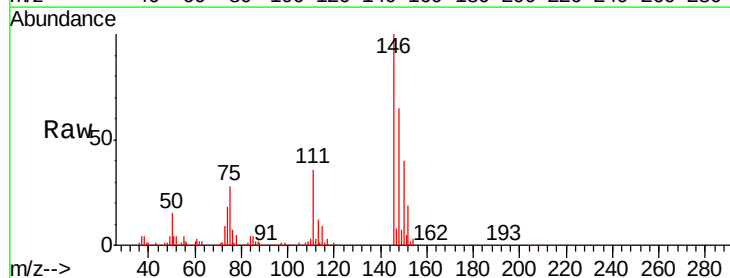
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

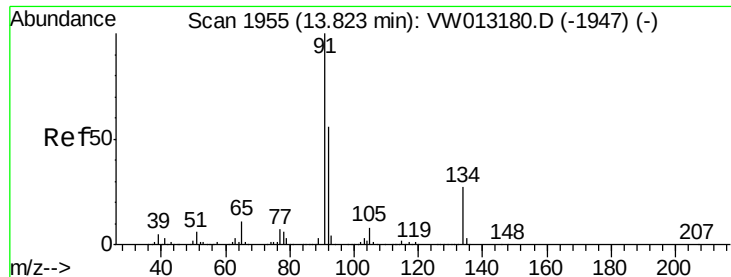
Tgt Ion:146 Resp: 139382
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 64.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.616 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion:146 Resp: 141291
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 63.6 32.1 96.3





#89

n-Butylbenzene

Concen: 20.606 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013269.D

Acq: 24 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

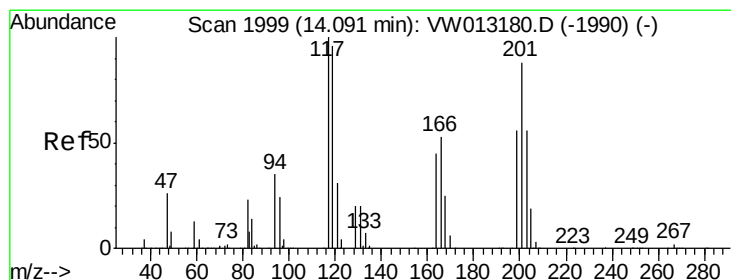
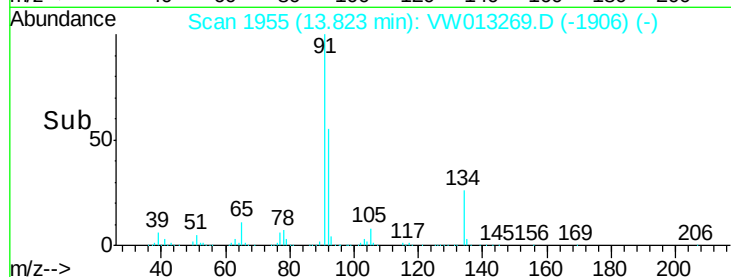
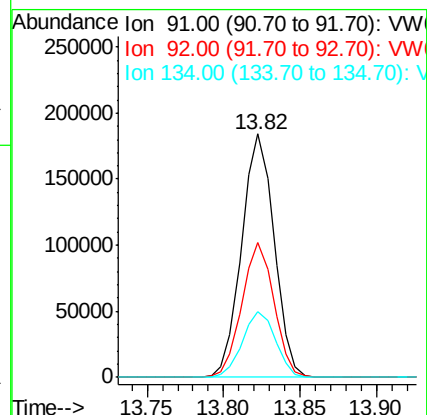
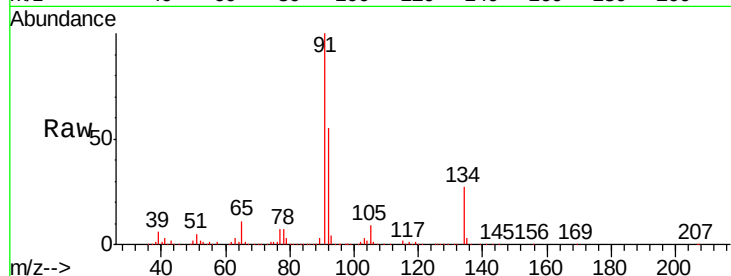
Tgt Ion: 91 Resp: 272004

Ion Ratio Lower Upper

91 100

92 54.7 27.6 82.8

134 27.6 13.7 41.1



#90

Hexachloroethane

Concen: 19.147 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013269.D

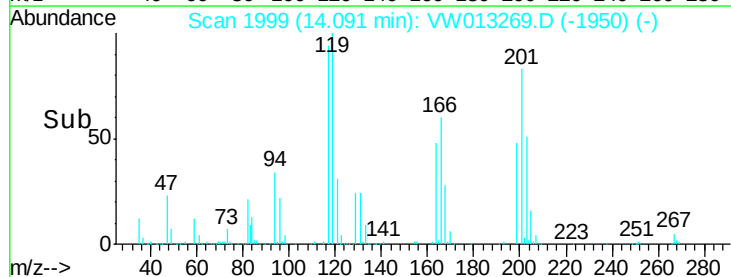
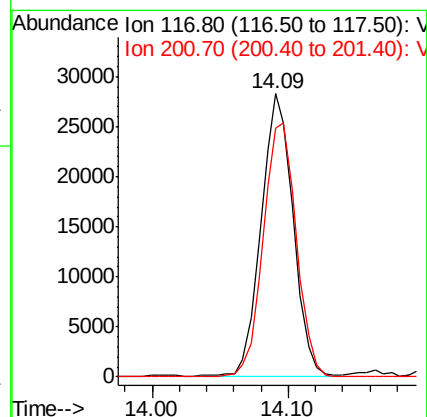
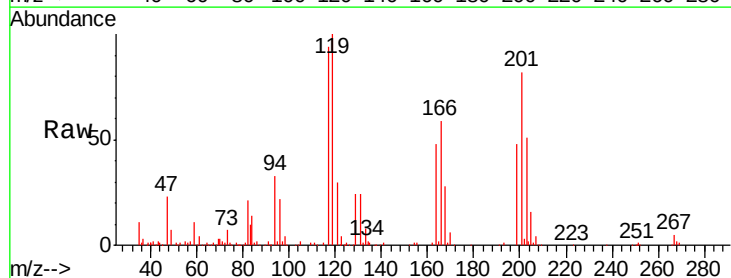
Acq: 24 Sep 2019 12:10

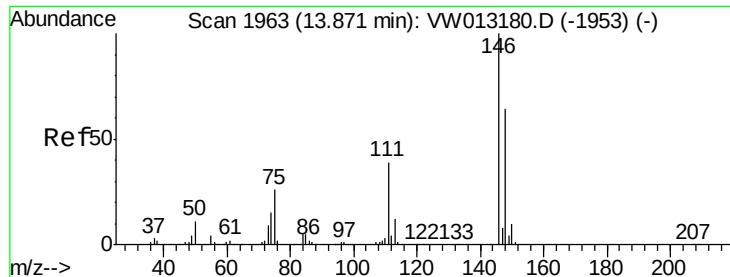
Tgt Ion: 117 Resp: 46500

Ion Ratio Lower Upper

117 100

201 92.8 44.5 133.5

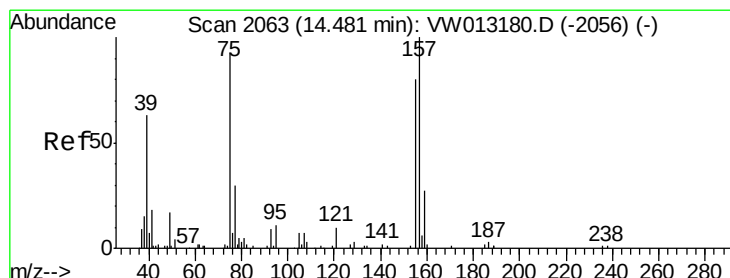
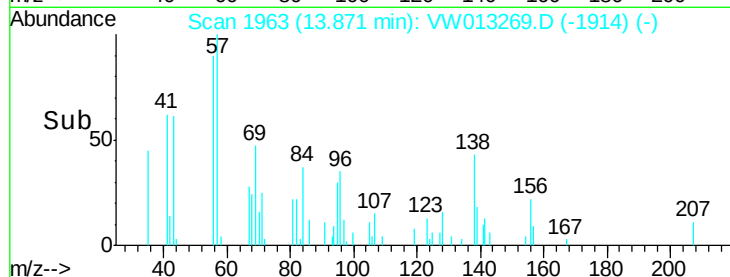
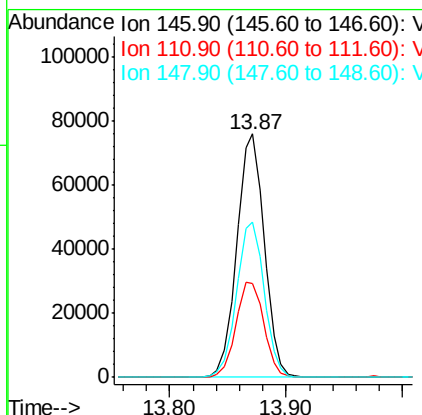
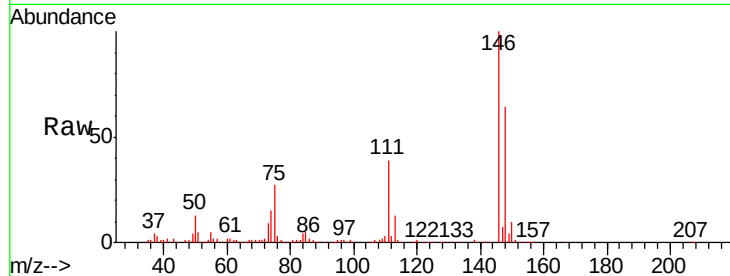




#91
 1,2-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

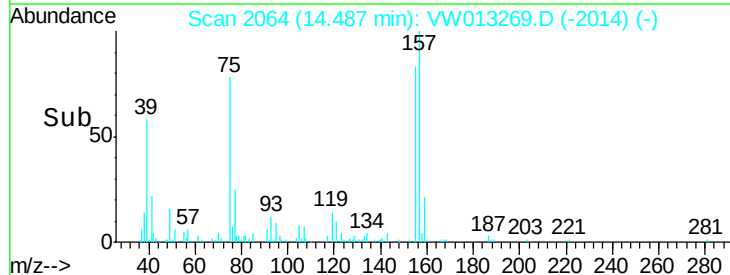
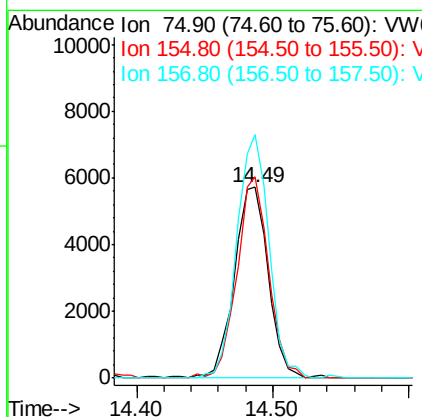
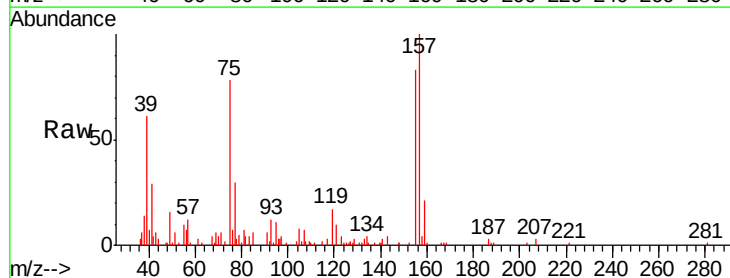
Instrument :
 MSVOA_W
 ClientSampled :
 VW0924SBS01

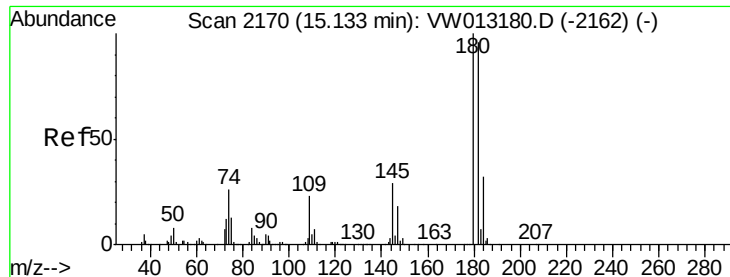
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	64.1	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.355 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	46.1	138.3
157	121.3	60.4	181.2

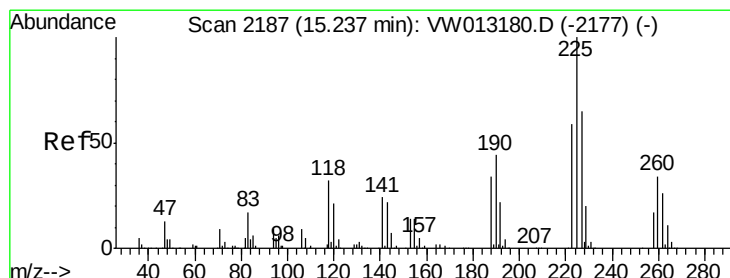
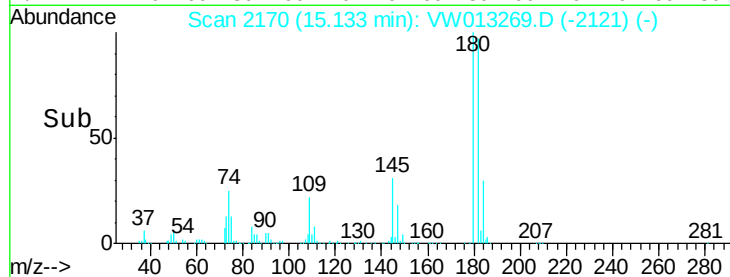
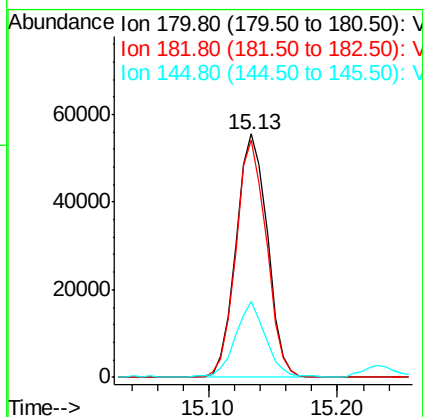
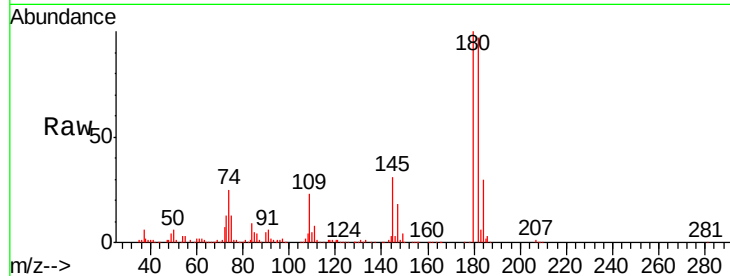




#93
 1,2,4-Trichlorobenzene
 Concen: 21.546 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

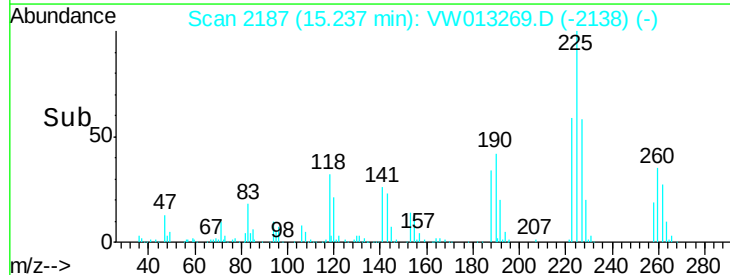
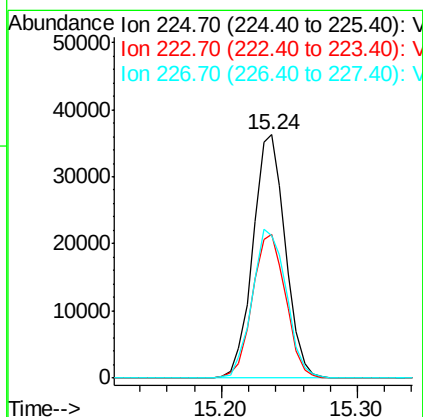
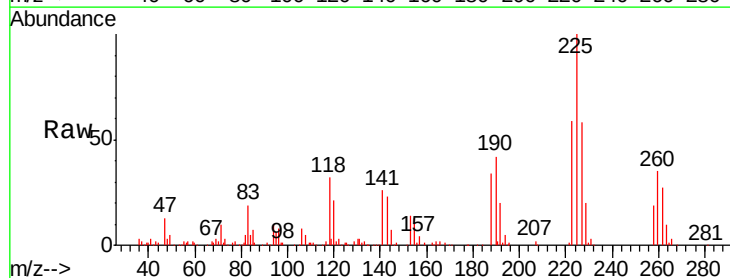
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

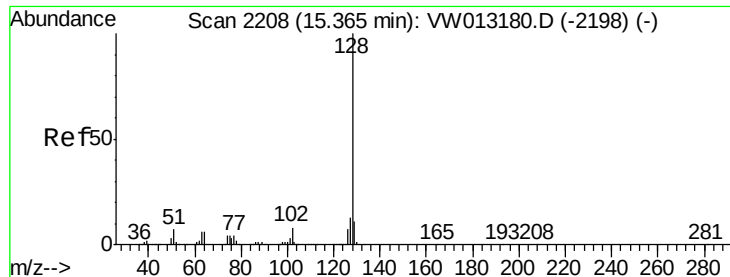
Tgt Ion:180 Resp: 93341
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 29.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.448 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013269.D
 Acq: 24 Sep 2019 12:10

Tgt Ion:225 Resp: 60604
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.6 91.8
 227 64.2 31.9 95.9

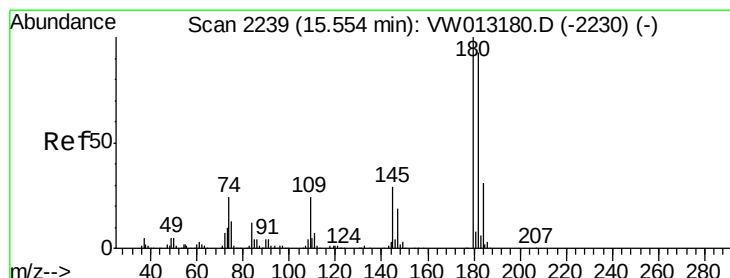
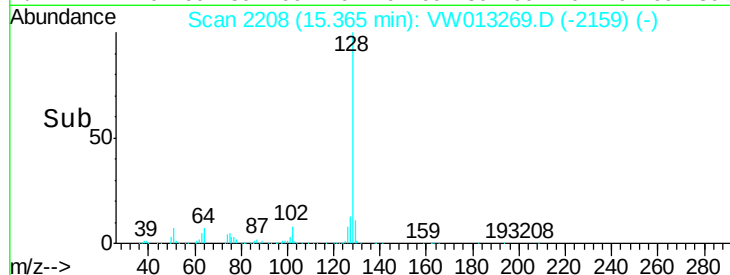
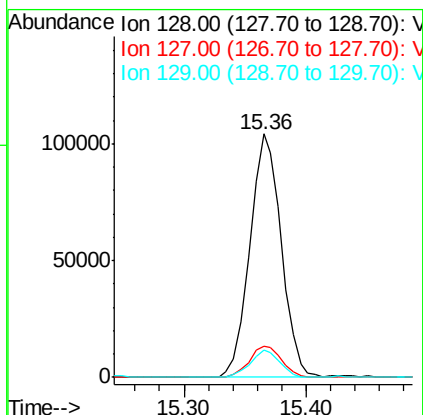
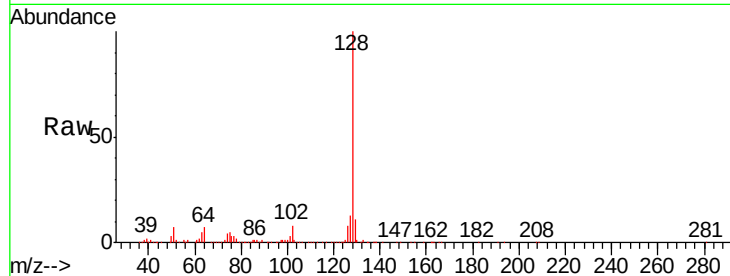




#95
Naphthalene
Concen: 26.258 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampled :
VW0924SBS01

Tgt Ion:128 Resp: 186045
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.237 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013269.D
Acq: 24 Sep 2019 12:10

Tgt Ion:180 Resp: 83238
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 33.5 15.0 45.0

