

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013248.D
 Acq On : 24 Sep 2019 00:44
 Operator : SY/VA
 Sample : VW0923SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

Quant Time: Sep 24 06:44:03 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	315592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217579	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141092	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	141109	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.32	98	580992	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	203282	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	38287	21.032	ug/l	96
3) Chloromethane	2.21	50	52735	22.535	ug/l	98
4) Vinyl Chloride	2.36	62	63017	20.888	ug/l	99
5) Bromomethane	2.76	94	41740	21.832	ug/l	92
6) Chloroethane	2.92	64	37630	21.161	ug/l	99
7) Trichlorofluoromethane	3.25	101	27693	15.919	ug/l	99
8) Diethyl Ether	3.68	74	33124	22.292	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58797	20.760	ug/l	99
10) Methyl Iodide	4.27	142	94102	21.430	ug/l	100
11) Tert butyl alcohol	5.15	59	24373	126.456	ug/l	95
12) 1,1-Dichloroethene	4.04	96	62152	21.192	ug/l	97
13) Acrolein	3.89	56	14882	100.371	ug/l	98
14) Allyl chloride	4.67	41	93804	20.097	ug/l	98
15) Acrylonitrile	5.36	53	75896	118.338	ug/l	99
16) Acetone	4.12	43	57404	98.828	ug/l	100
17) Carbon Disulfide	4.38	76	175516	20.705	ug/l	100
18) Methyl Acetate	4.67	43	42499	26.029	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	99402	22.114	ug/l	100
20) Methylene Chloride	4.92	84	84429	27.090	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68623	21.648	ug/l	95
22) Diisopropyl ether	6.31	45	198262	22.337	ug/l	98
23) Vinyl Acetate	6.25	43	562040	106.737	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114443	21.367	ug/l	99
25) 2-Butanone	7.17	43	97785	112.145	ug/l	99
26) 2,2-Dichloropropane	7.16	77	62731	17.403	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	72826	21.770	ug/l	99
28) Bromochloromethane	7.51	49	39089	19.016	ug/l	97
29) Tetrahydrofuran	7.52	42	66432	124.233	ug/l	98
30) Chloroform	7.67	83	112983	21.546	ug/l	98
31) Cyclohexane	7.95	56	114331	20.478	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	89854	21.157	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90882	19.876	ug/l	99
37) Ethyl Acetate	7.25	43	43957	22.620	ug/l	98
38) Carbon Tetrachloride	8.07	117	83336	20.332	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	116594	19.843	ug/l	98
40) Benzene	8.32	78	271564	21.293	ug/l	98
41) Methacrylonitrile	7.48	41	27281	23.522	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72580	21.170	ug/l	99
43) Isopropyl Acetate	8.42	43	81982	22.012	ug/l	98
44) Trichloroethene	9.09	130	74274	20.757	ug/l	95
45) 1,2-Dichloropropane	9.37	63	66245	21.275	ug/l	100
46) Dibromomethane	9.46	93	33854	22.395	ug/l	99
47) Bromodichloromethane	9.64	83	80518	20.932	ug/l	98
48) Methyl methacrylate	9.43	41	38121	21.767	ug/l	97
49) 1,4-Dioxane	9.44	88	11348	500.099	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	214685	114.981	ug/l	99
52) Toluene	10.38	92	175071	21.419	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82129	20.782	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98439	20.486	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49277	21.809	ug/l	97
56) Ethyl methacrylate	10.65	69	67657	22.880	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87207	22.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	148706	108.627	ug/l	99
59) 2-Hexanone	10.96	43	148062	115.261	ug/l	99
60) Dibromochloromethane	11.13	129	55322	21.563	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47191	21.967	ug/l	96
64) Tetrachloroethene	10.86	164	70458	22.168	ug/l	96
65) Chlorobenzene	11.65	112	183096	20.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	63430	21.225	ug/l	99
67) Ethyl Benzene	11.73	91	327045	20.634	ug/l	98
68) m/p-Xylenes	11.84	106	255195	42.253	ug/l	99
69) o-Xylene	12.16	106	118614	21.123	ug/l	97
70) Styrene	12.18	104	203666	21.126	ug/l	99
71) Bromoform	12.35	173	33878	21.458	ug/l #	100
73) Isopropylbenzene	12.46	105	324824	20.210	ug/l	99
74) N-amyl acetate	12.27	43	76410	21.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56471	21.008	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	72467	37.714	ug/l #	100
77) Bromobenzene	12.74	156	78137	20.515	ug/l	97
78) n-propylbenzene	12.80	91	377681	20.075	ug/l	100
79) 2-Chlorotoluene	12.89	91	218157	20.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	276420	20.459	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17173	20.054	ug/l	98
82) 4-Chlorotoluene	12.99	91	226966	20.420	ug/l	100
83) tert-Butylbenzene	13.21	119	241611	20.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	280648	20.875	ug/l	98
85) sec-Butylbenzene	13.38	105	332003	20.307	ug/l	100
86) p-Isopropyltoluene	13.50	119	310031	20.445	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	151146	20.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151686	21.099	ug/l	100
89) n-Butylbenzene	13.82	91	278146	20.088	ug/l	99
90) Hexachloroethane	14.09	117	52282	20.523	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	135993	21.444	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8908	21.666	ug/l	91

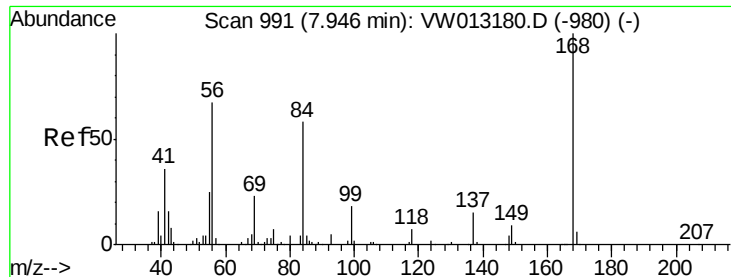
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	95889	21.101	ug/l	99
94) Hexachlorobutadiene	15.23	225	63200	20.329	ug/l	97
95) Naphthalene	15.36	128	166296	22.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	85230	21.706	ug/l	100

(#) = 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: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

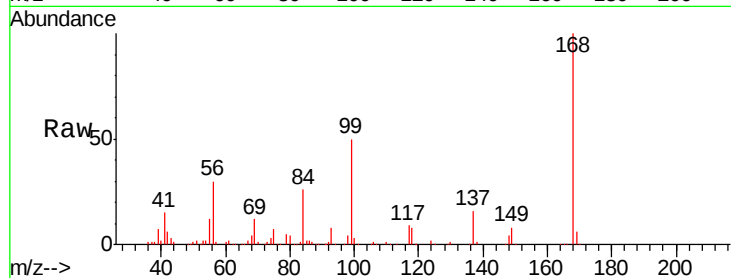
VW0923SBSD02

Tgt Ion:168 Resp: 31592

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

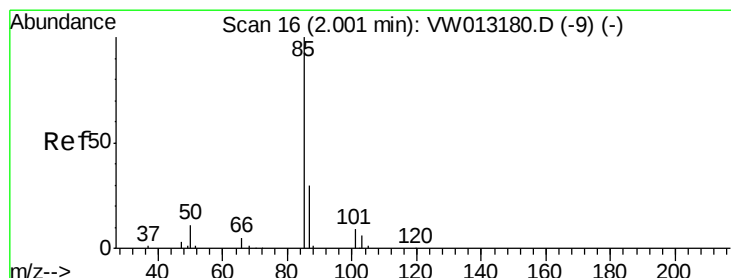
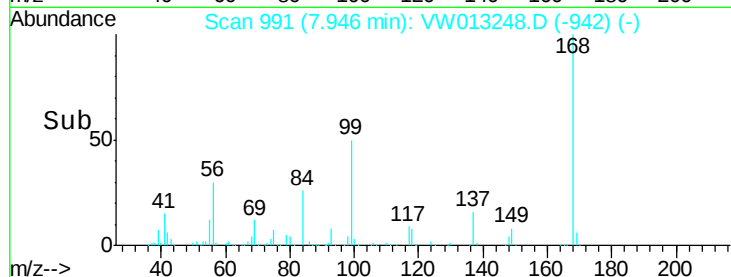
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.032 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013248.D

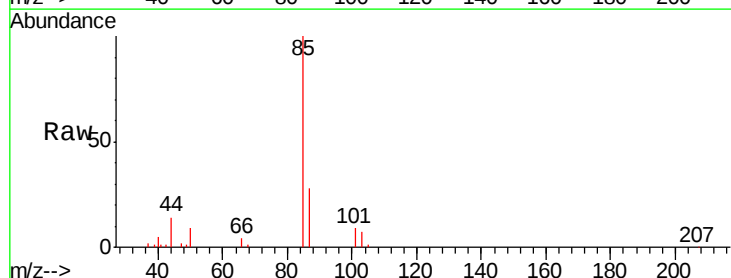
Acq: 24 Sep 2019 00:44

Tgt Ion: 85 Resp: 38287

Ion Ratio Lower Upper

85 100

87 28.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

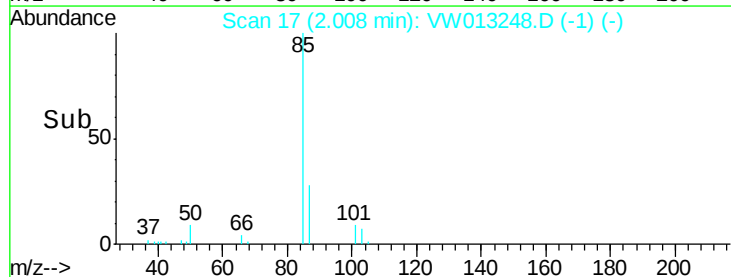
15000

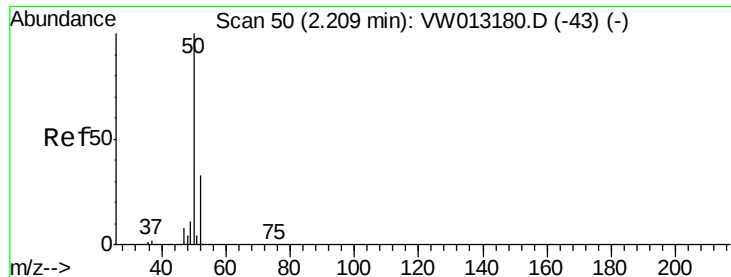
10000

5000

0

Time--> 1.90 2.00 2.10

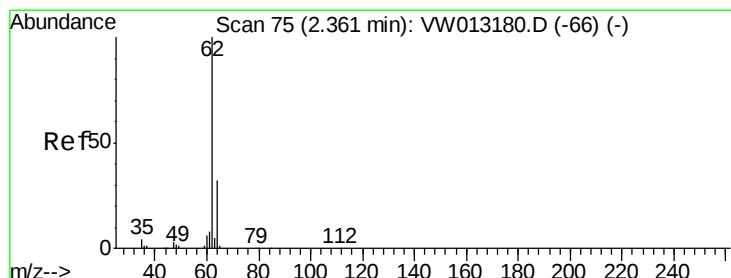
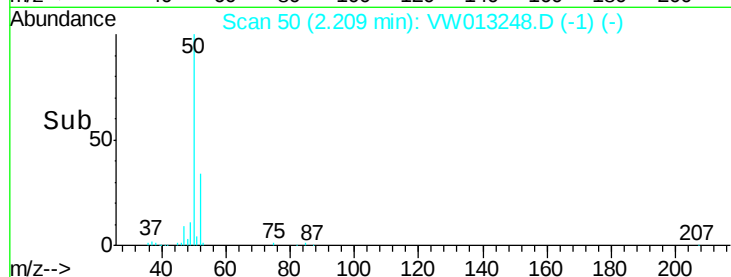
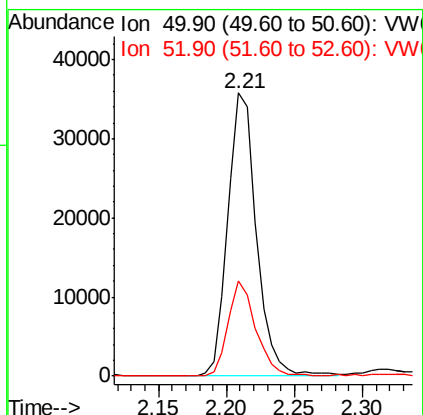
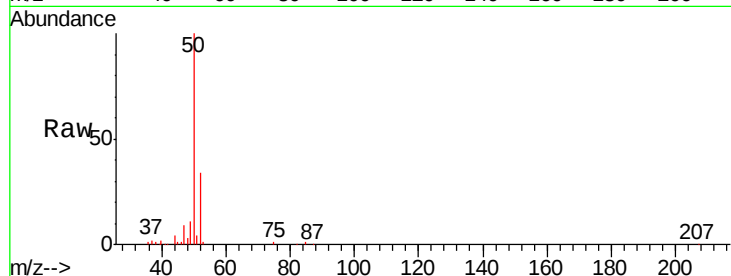




#3
Chloromethane
Concen: 22.535 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

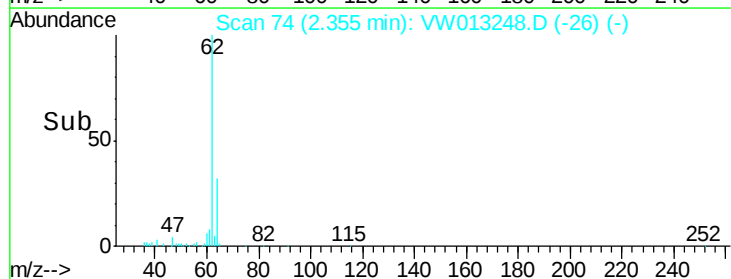
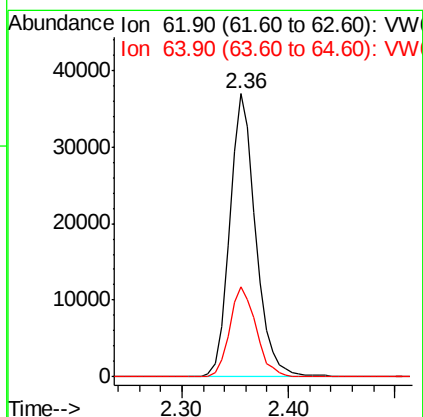
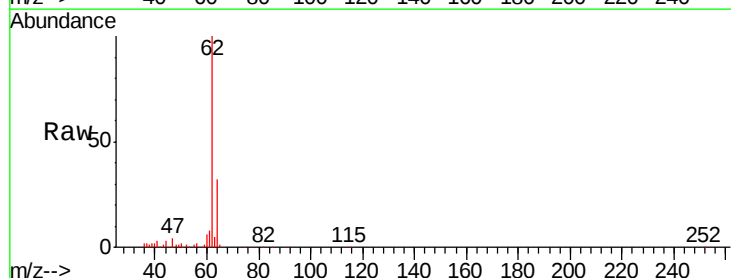
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

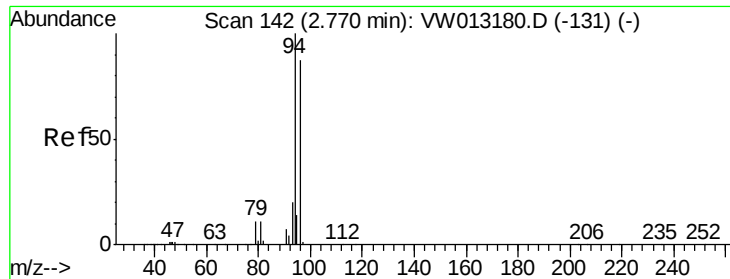
Tgt Ion: 50 Resp: 52735
Ion Ratio Lower Upper
50 100
52 33.6 26.1 39.1



#4
Vinyl Chloride
Concen: 20.888 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 62 Resp: 63017
Ion Ratio Lower Upper
62 100
64 31.9 25.3 37.9





#5

Bromomethane

Concen: 21.832 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

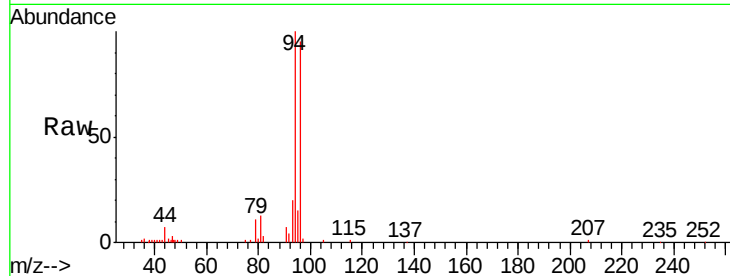
VW0923SBSD02

Tgt Ion: 94 Resp: 41740

Ion Ratio Lower Upper

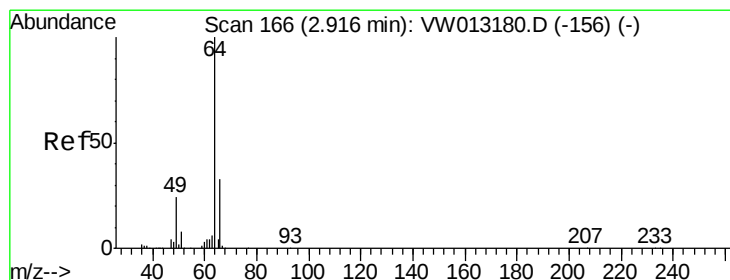
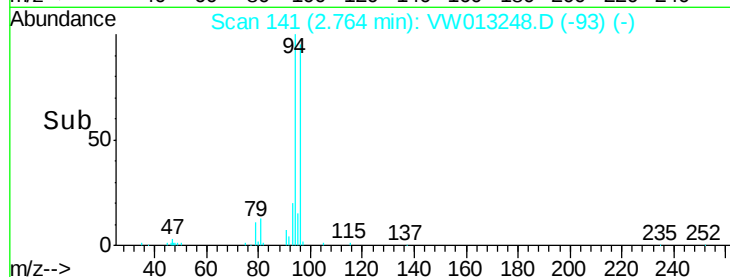
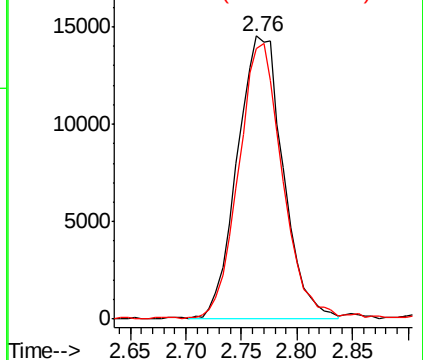
94 100

96 94.9 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.161 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013248.D

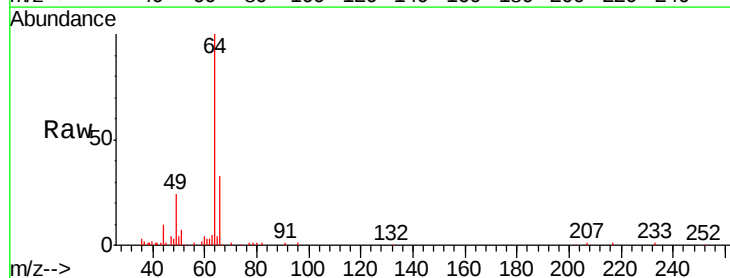
Acq: 24 Sep 2019 00:44

Tgt Ion: 64 Resp: 37630

Ion Ratio Lower Upper

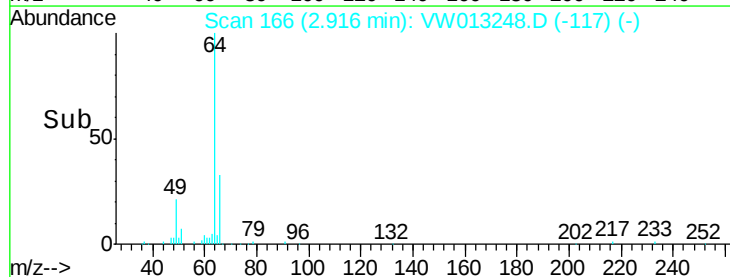
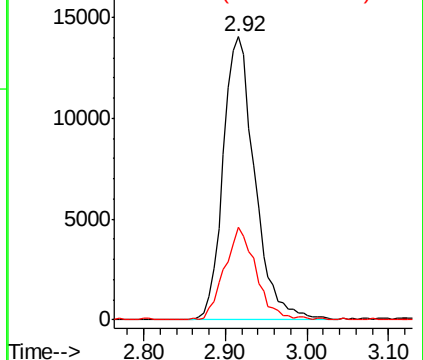
64 100

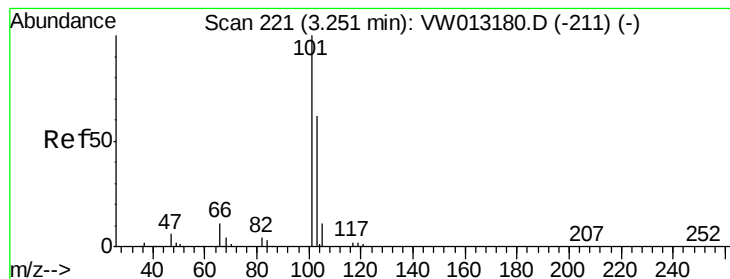
66 32.7 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



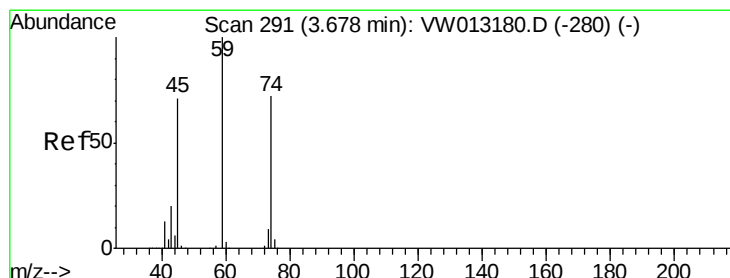
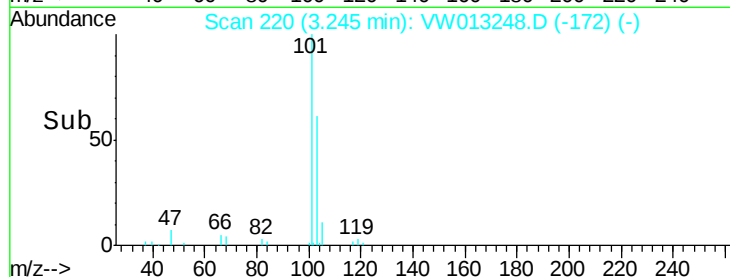
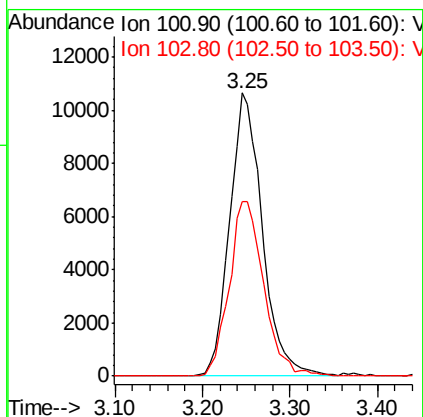
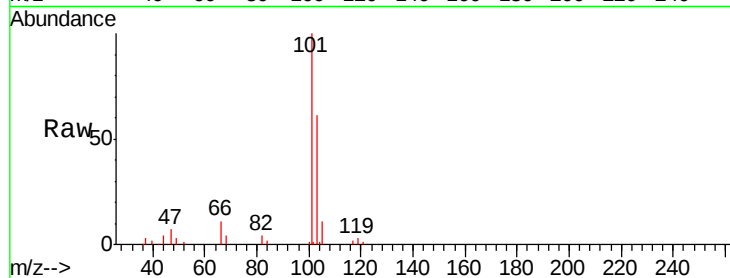


#7

Trichlorofluoromethane
 Concen: 15.919 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Instrument :
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 ClientSampleId :
 VW0923SBSD02

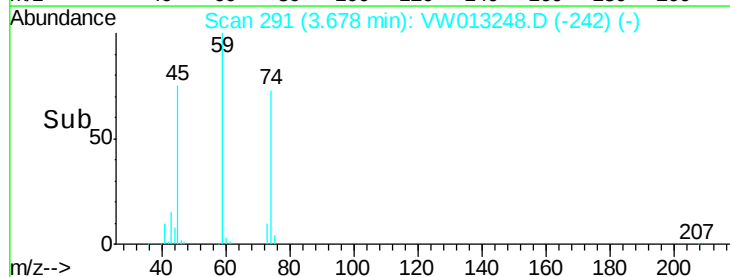
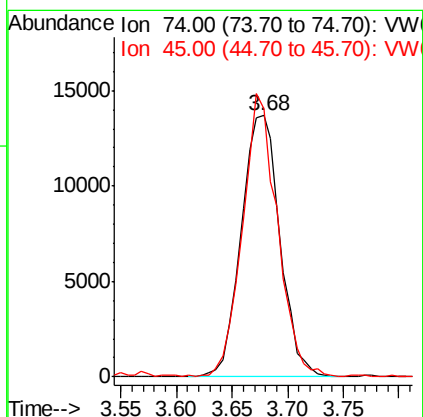
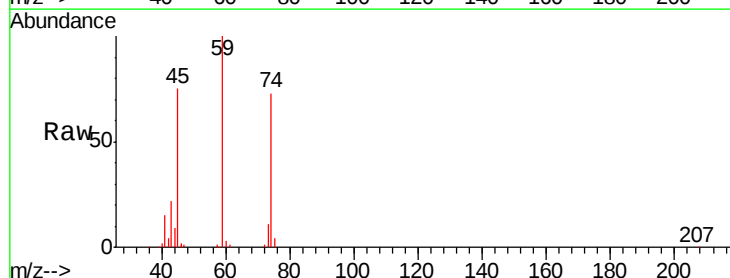
Tgt Ion:101 Resp: 27693
 Ion Ratio Lower Upper
 101 100
 103 61.5 49.7 74.5

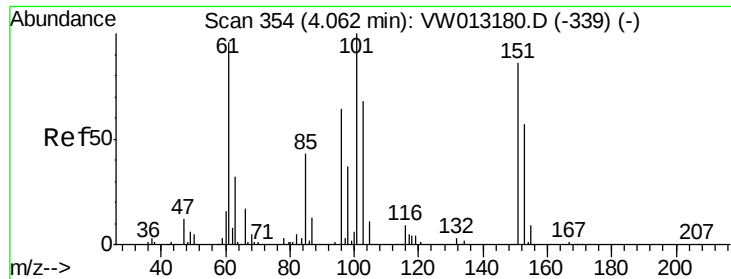


#8

Diethyl Ether
 Concen: 22.292 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 74 Resp: 33124
 Ion Ratio Lower Upper
 74 100
 45 97.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.760 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

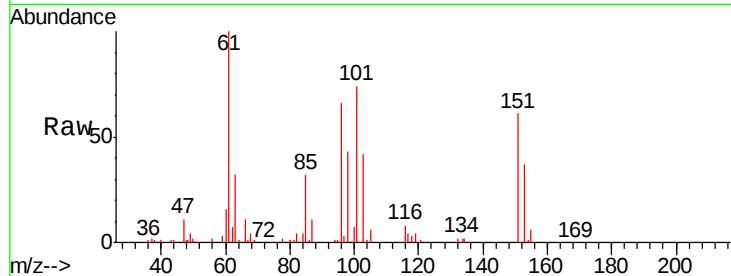
Tgt Ion:101 Resp: 58797

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

151 84.9 66.9 100.3



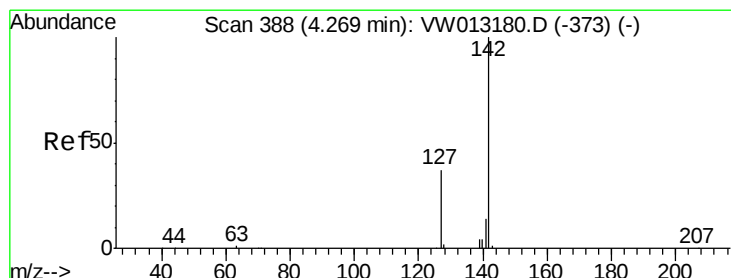
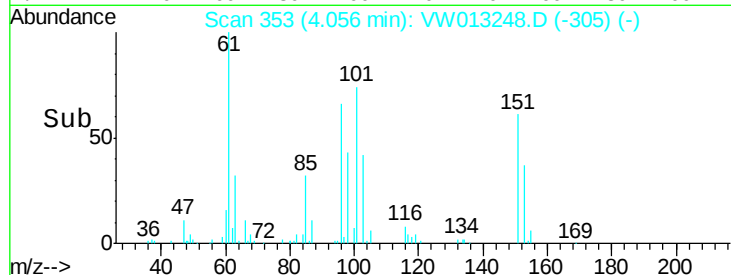
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

4.06

Time-->



#10

Methyl Iodide

Concen: 21.430 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

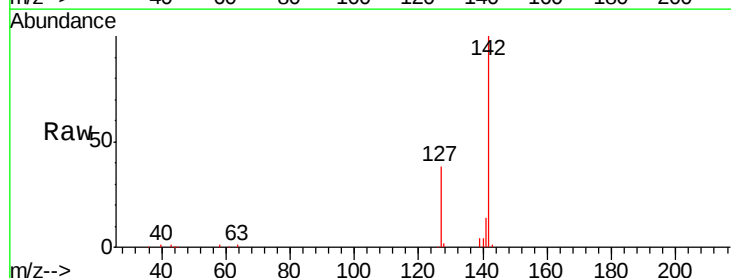
Tgt Ion:142 Resp: 94102

Ion Ratio Lower Upper

142 100

127 38.9 30.9 46.3

141 14.6 11.7 17.5



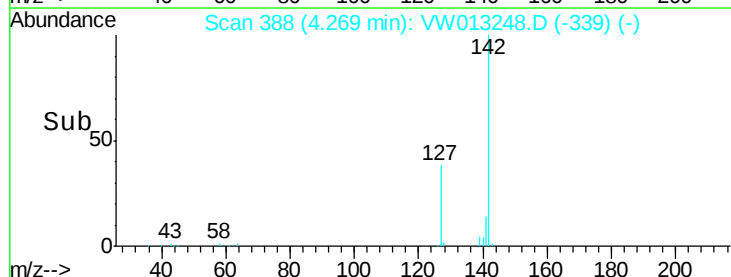
Abundance Ion 141.80 (141.50 to 142.50): V

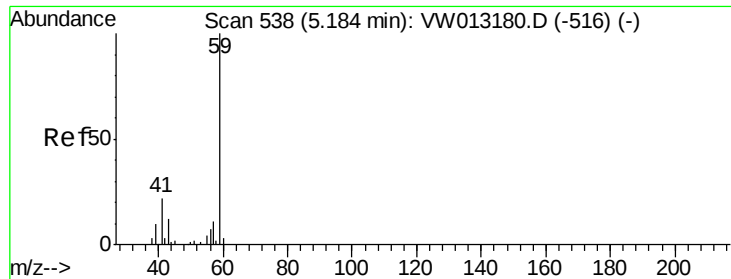
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.27

Time-->



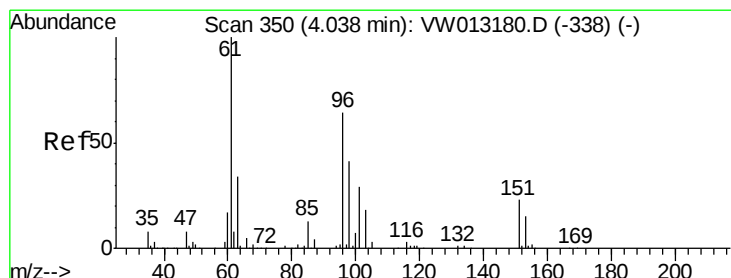
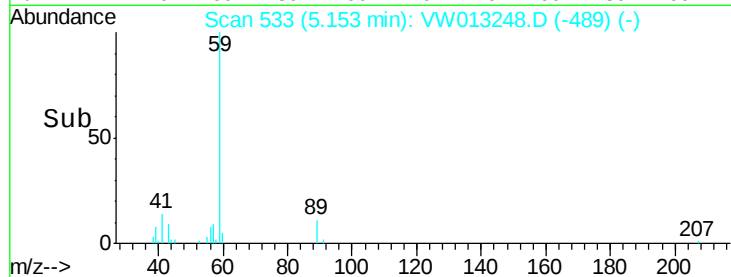
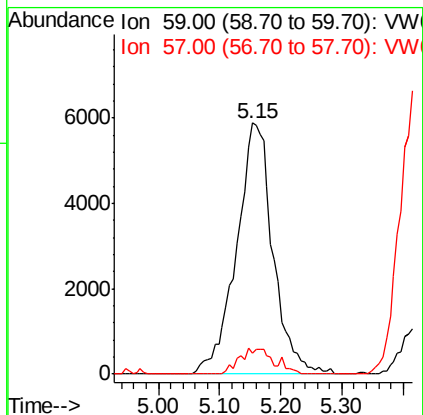
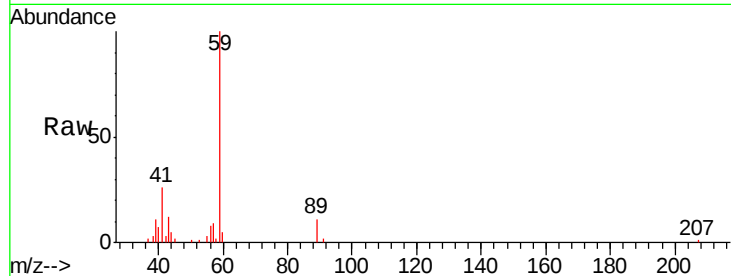


#11

Tert butyl alcohol
Concen: 126.456 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.03 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

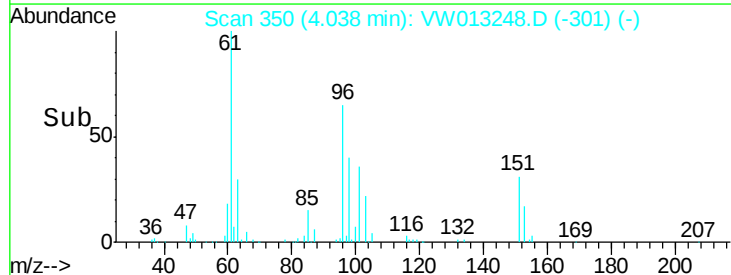
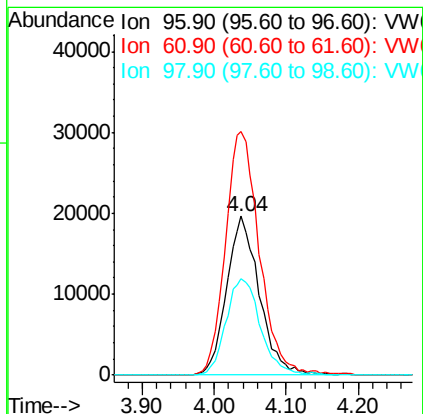
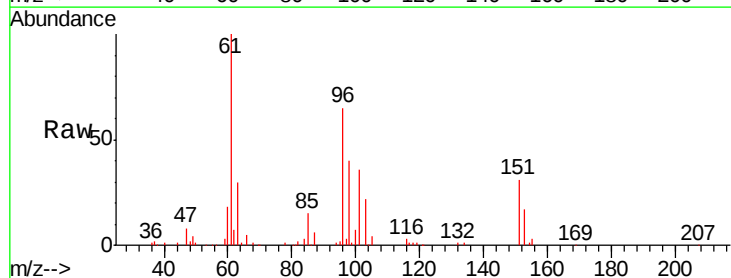
Tgt Ion: 59 Resp: 24373
Ion Ratio Lower Upper
59 100
57 8.3 8.2 12.2

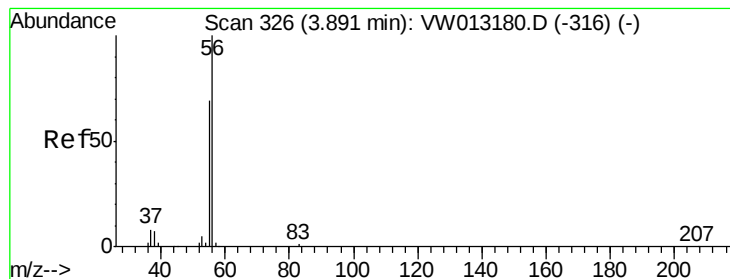


#12

1,1-Dichloroethene
Concen: 21.192 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 96 Resp: 62152
Ion Ratio Lower Upper
96 100
61 153.2 125.1 187.7
98 60.9 50.8 76.2





#13

Acrolein

Concen: 100.371 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

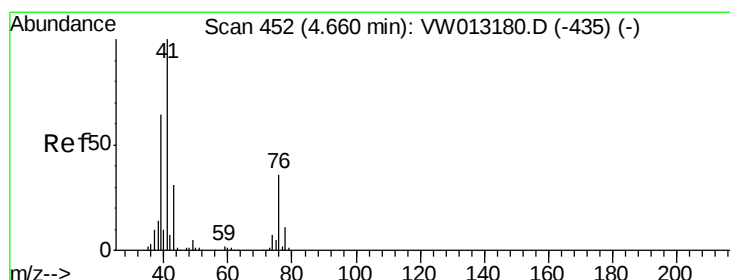
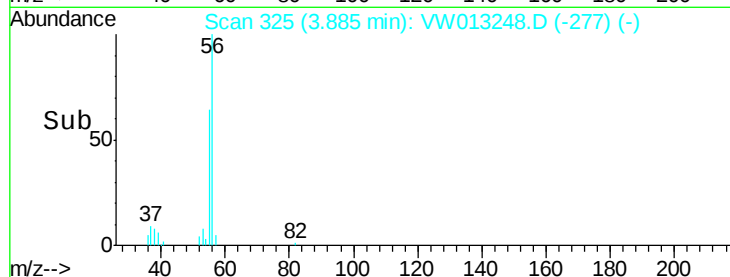
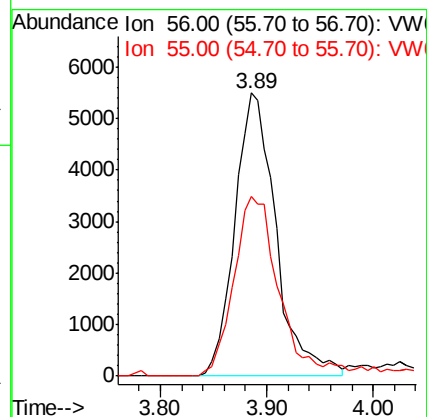
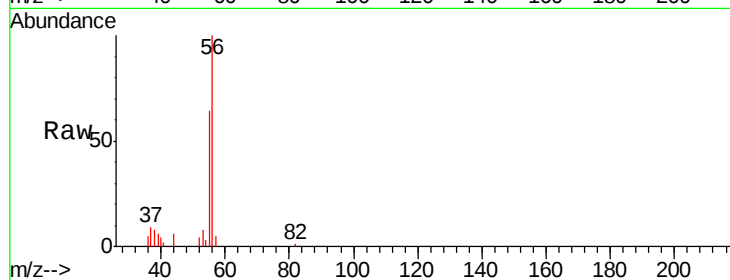
VW0923SBSD02

Tgt Ion: 56 Resp: 14882

Ion Ratio Lower Upper

56 100

55 67.4 55.4 83.0



#14

Allyl chloride

Concen: 20.097 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

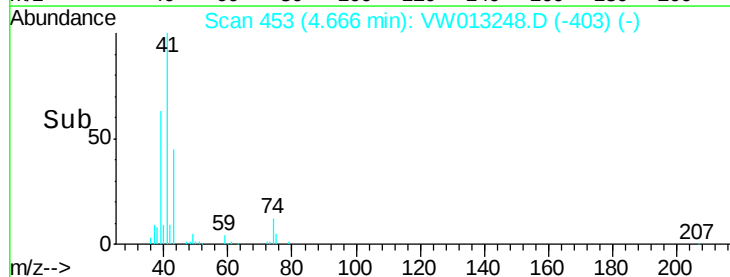
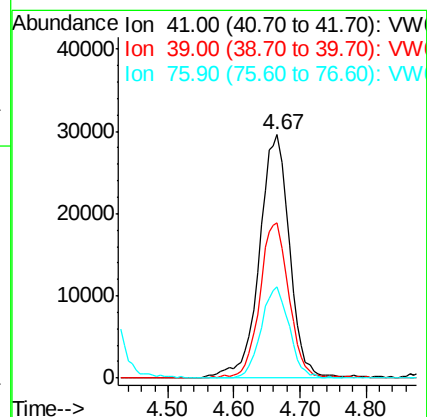
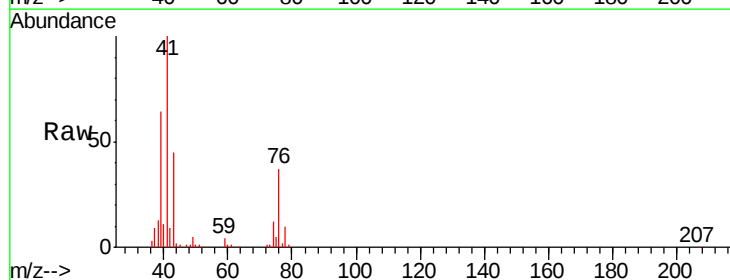
Tgt Ion: 41 Resp: 93804

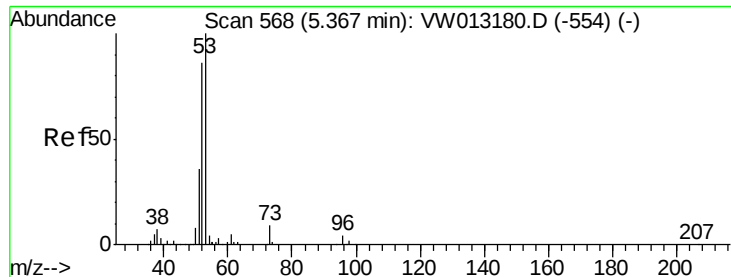
Ion Ratio Lower Upper

41 100

39 61.9 51.0 76.4

76 35.0 28.4 42.6





#15

Acrylonitrile

Concen: 118.338 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

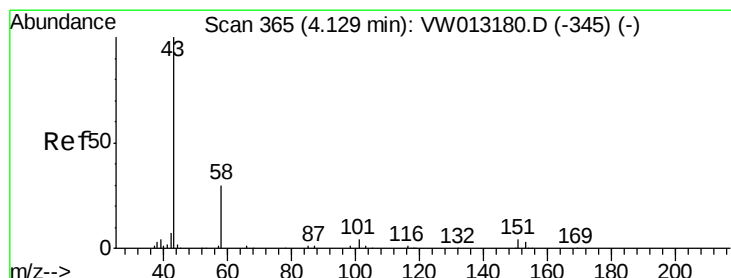
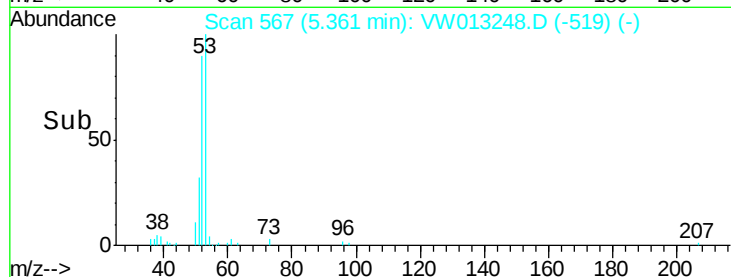
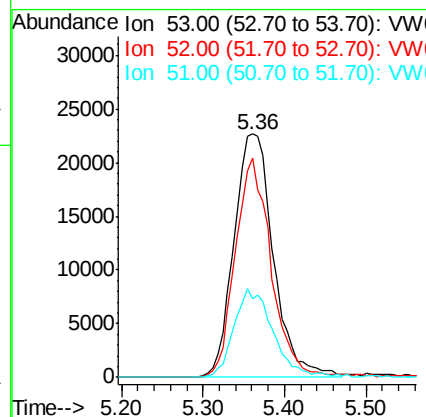
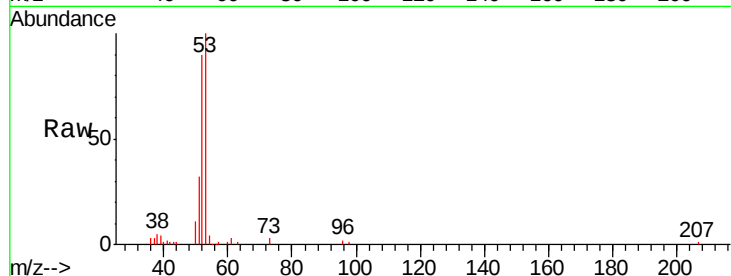
Tgt Ion: 53 Resp: 75896

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

51 35.7 29.0 43.4



#16

Acetone

Concen: 98.828 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013248.D

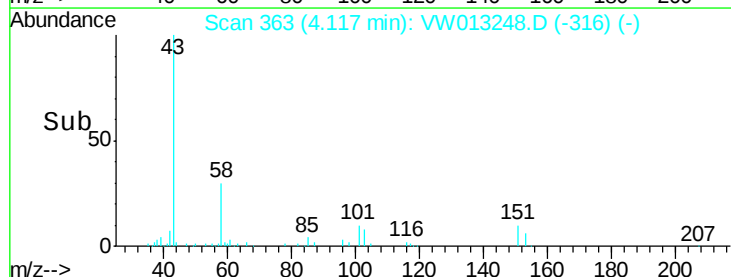
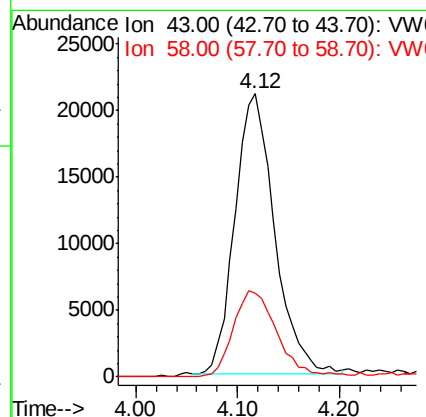
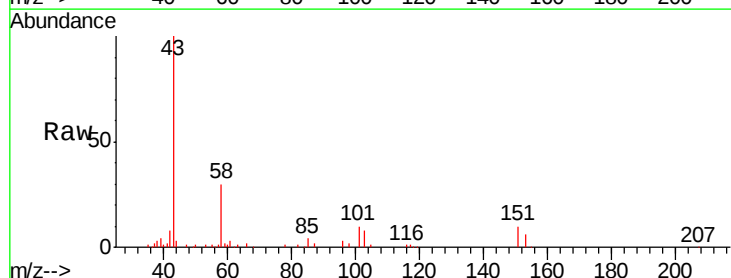
Acq: 24 Sep 2019 00:44

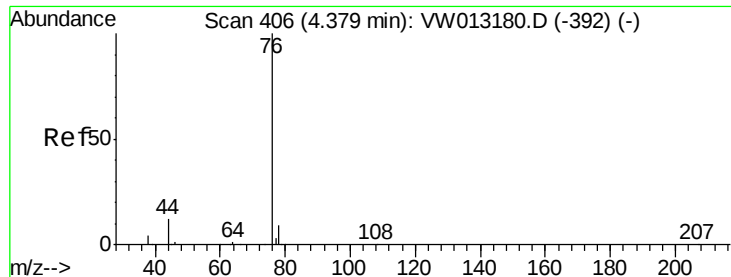
Tgt Ion: 43 Resp: 57404

Ion Ratio Lower Upper

43 100

58 30.0 24.1 36.1





#17

Carbon Disulfide

Concen: 20.705 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

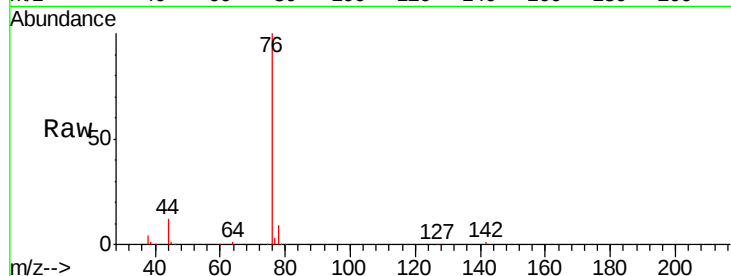
VW0923SBSD02

Tgt Ion: 76 Resp: 175516

Ion Ratio Lower Upper

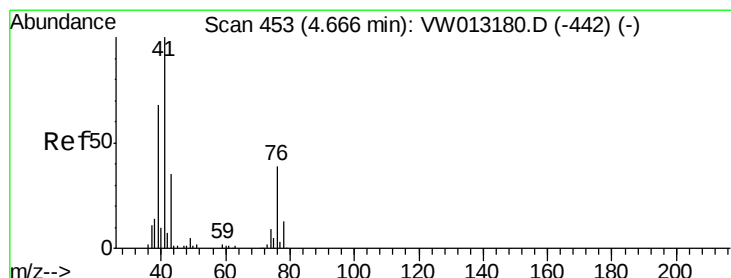
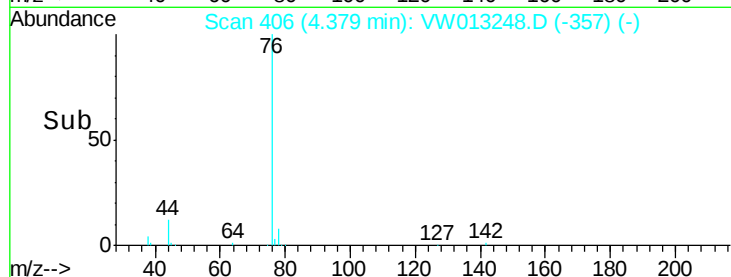
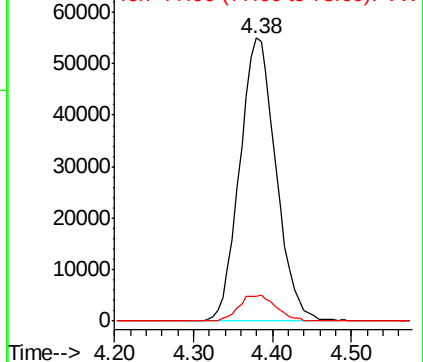
76 100

78 8.7 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: 26.029 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013248.D

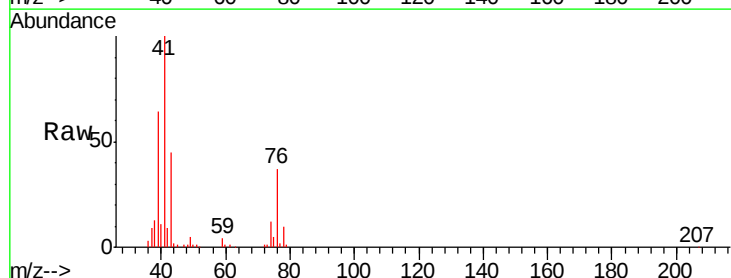
Acq: 24 Sep 2019 00:44

Tgt Ion: 43 Resp: 42499

Ion Ratio Lower Upper

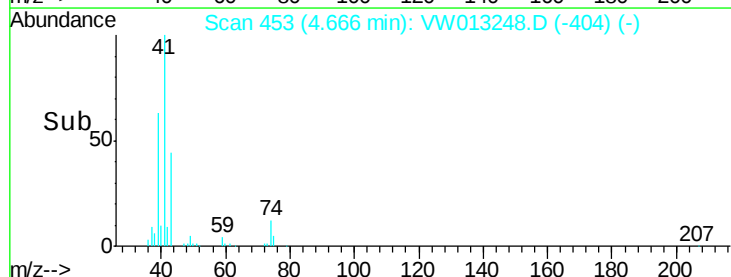
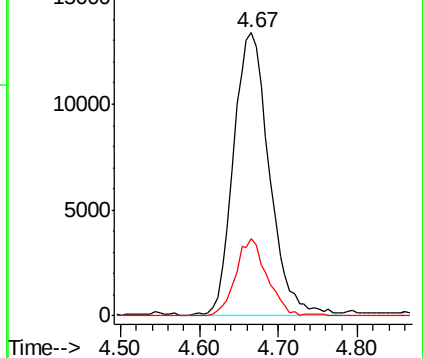
43 100

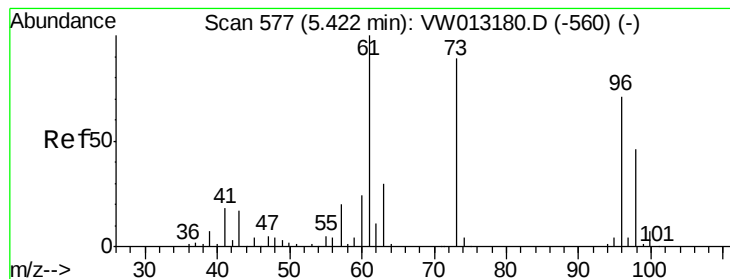
74 23.7 19.3 28.9



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: 22.114 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

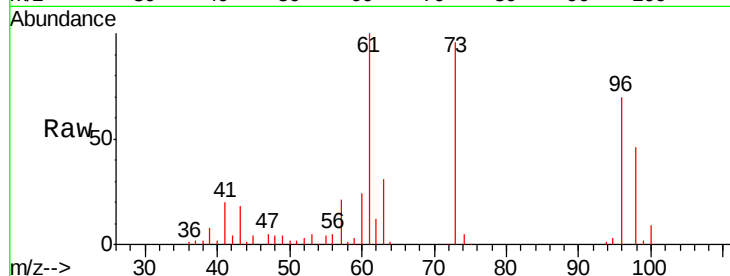
VW0923SBSD02

Tgt Ion: 73 Resp: 99402

Ion Ratio Lower Upper

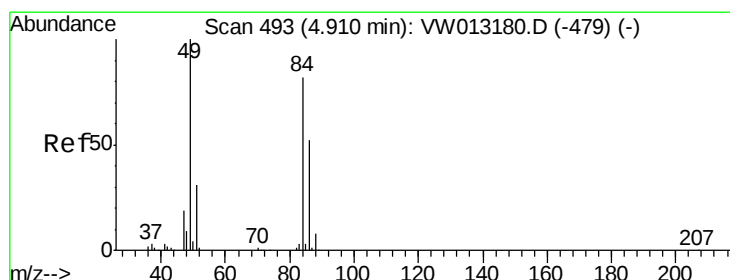
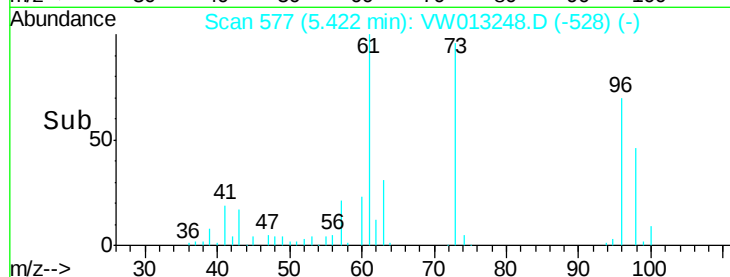
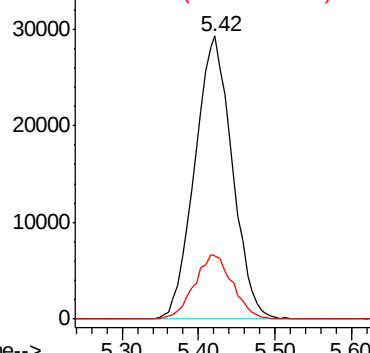
73 100

57 22.1 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 27.090 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Tgt Ion: 84 Resp: 84429

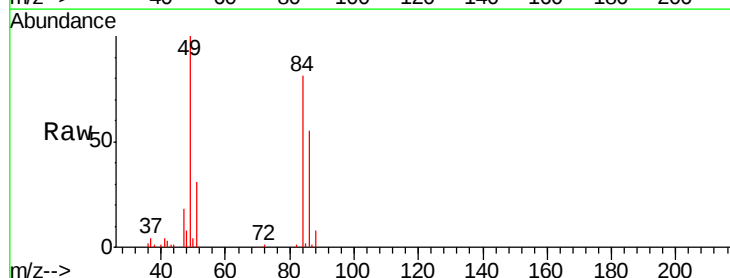
Ion Ratio Lower Upper

84 100

49 123.9 97.6 146.4

51 37.9 30.2 45.2

86 68.2 50.6 76.0

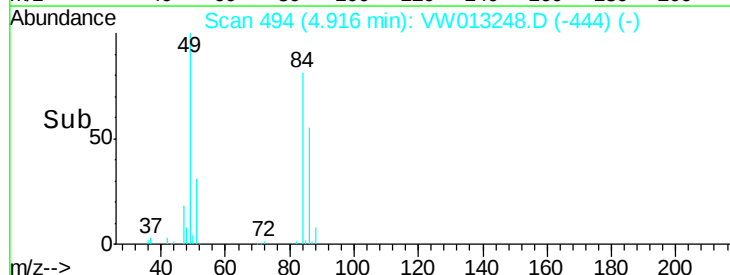
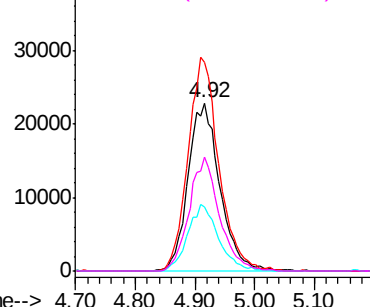


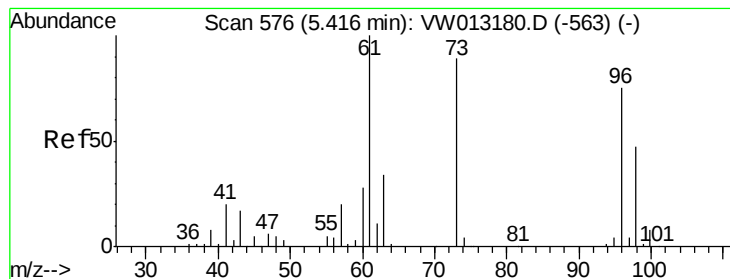
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 21.648 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

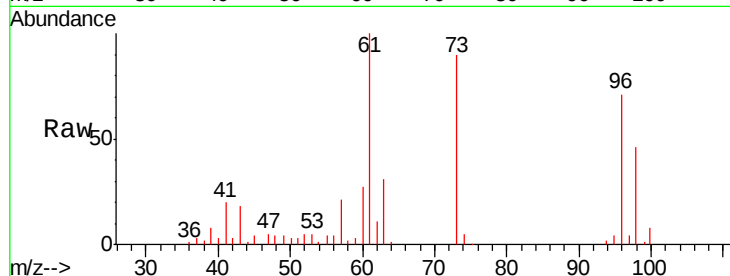
Tgt Ion: 96 Resp: 68623

Ion Ratio Lower Upper

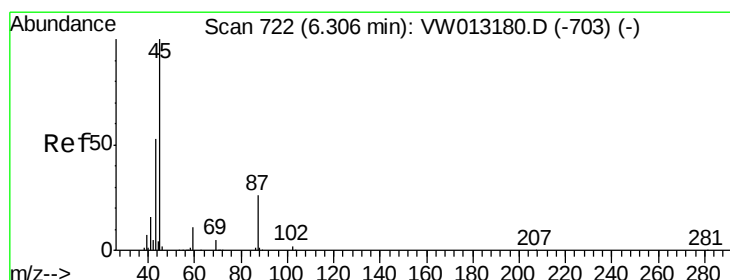
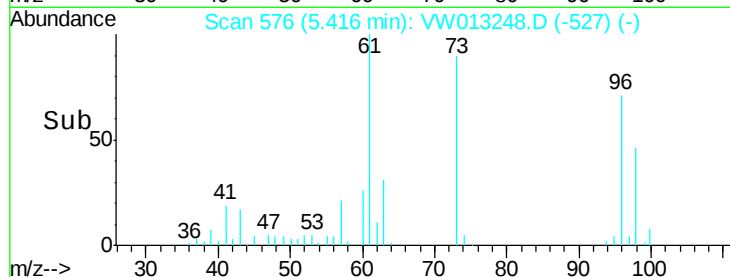
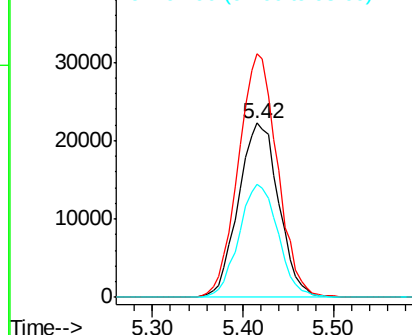
96 100

61 139.6 106.6 159.8

98 64.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 22.337 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Tgt Ion: 45 Resp: 198262

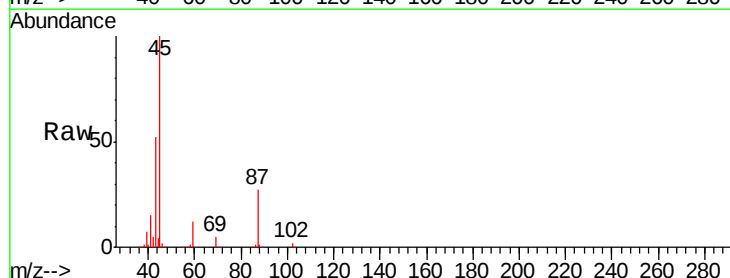
Ion Ratio Lower Upper

45 100

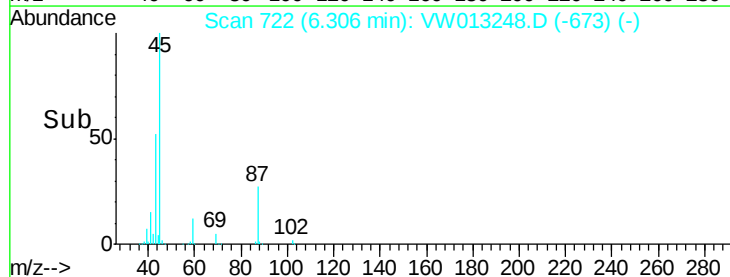
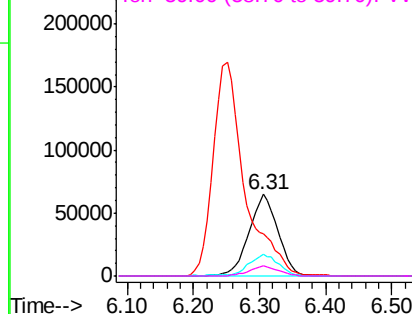
43 51.6 42.4 63.6

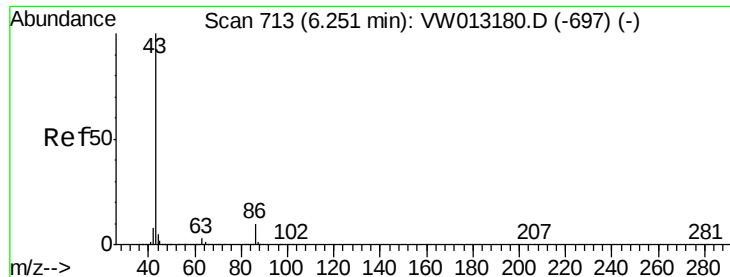
87 27.0 20.4 30.6

59 11.9 8.8 13.2



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

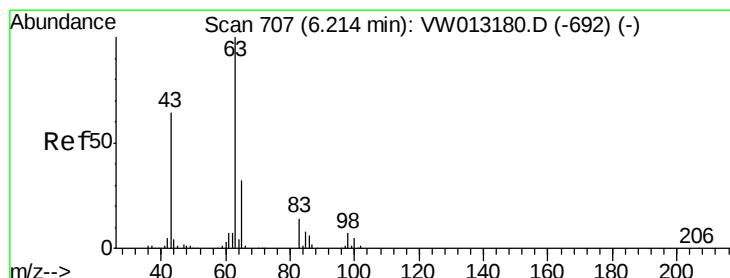
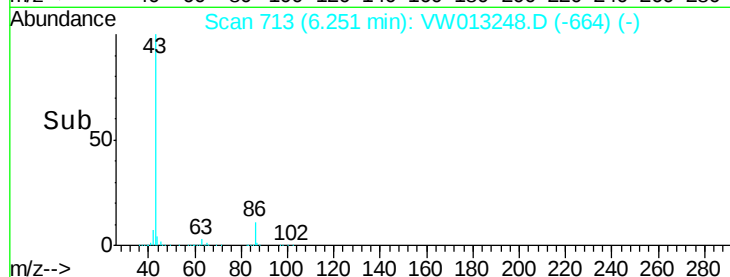
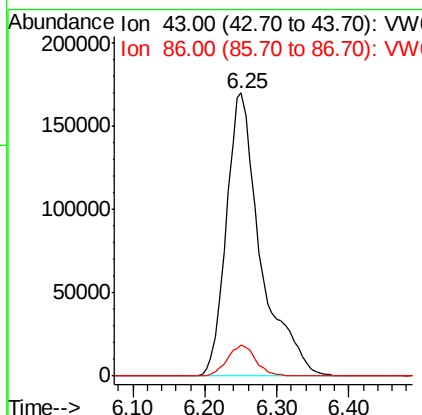
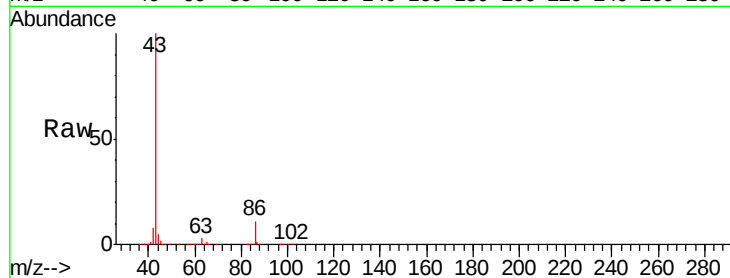




#23
 Vinyl Acetate
 Concen: 106.737 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

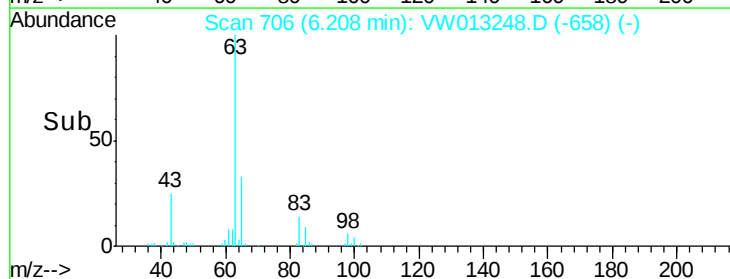
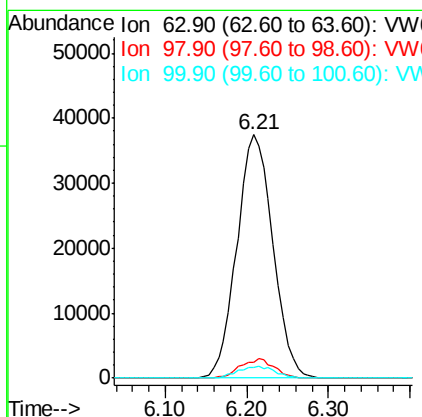
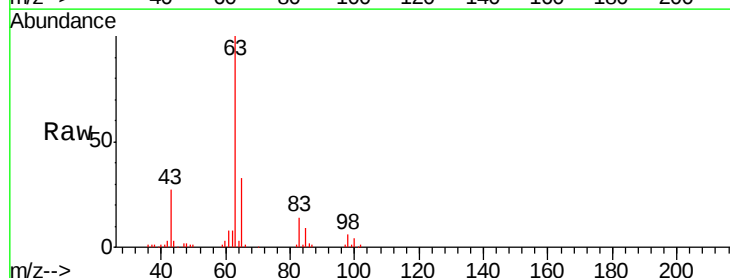
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

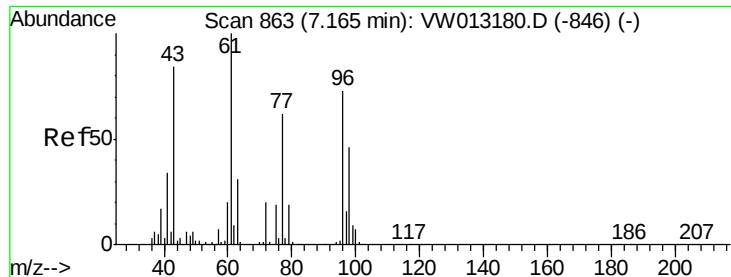
Tgt Ion: 43 Resp: 562040
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 21.367 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 63 Resp: 114443
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 112.145 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

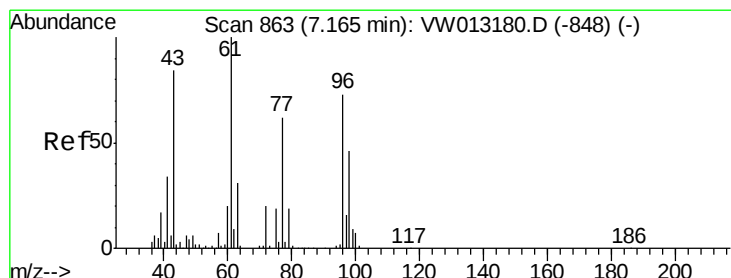
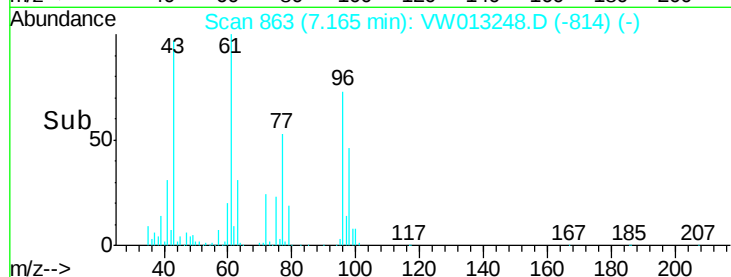
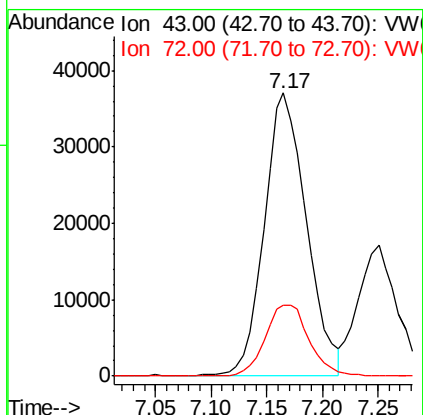
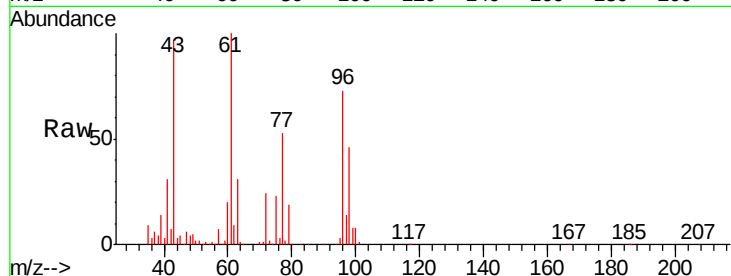
VW0923SBS02

Tgt Ion: 43 Resp: 97785

Ion Ratio Lower Upper

43 100

72 24.8 19.4 29.0



#26

2,2-Dichloropropane

Concen: 17.403 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013248.D

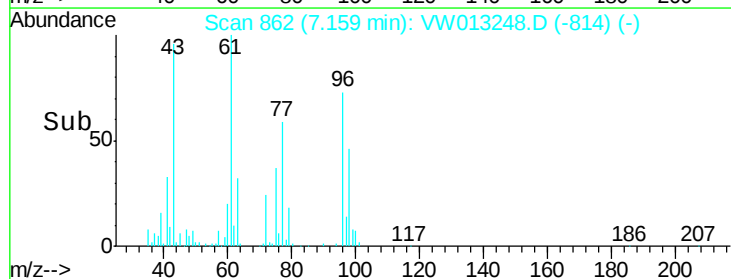
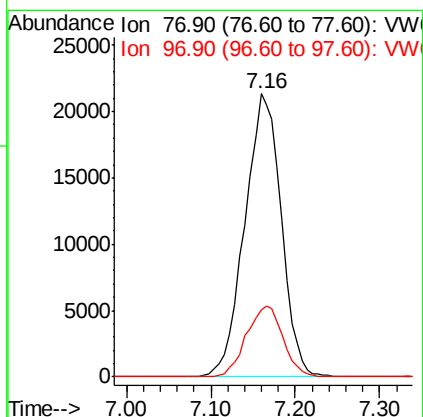
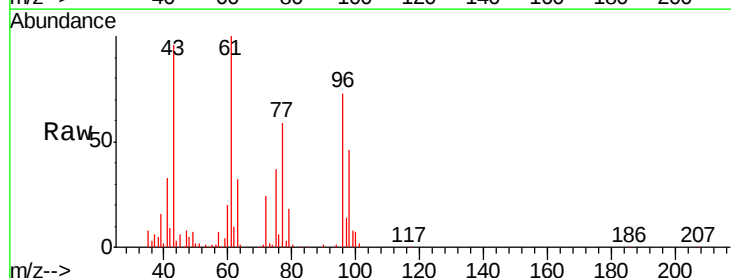
Acq: 24 Sep 2019 00:44

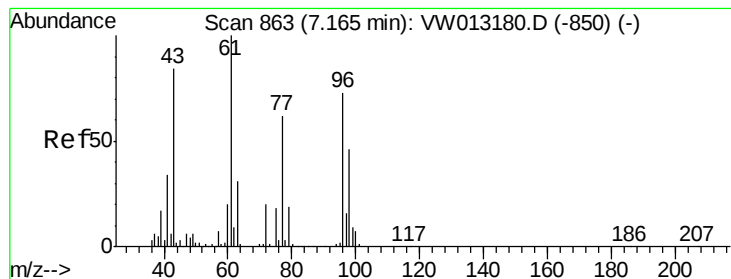
Tgt Ion: 77 Resp: 62731

Ion Ratio Lower Upper

77 100

97 25.1 11.8 35.4



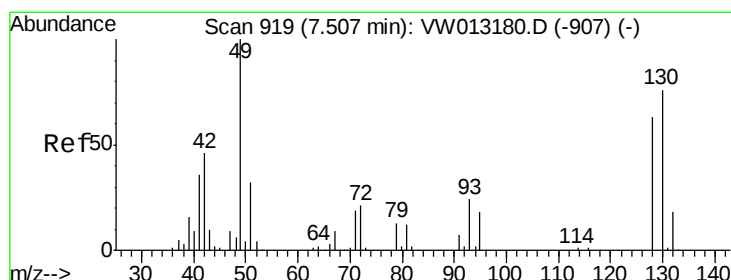
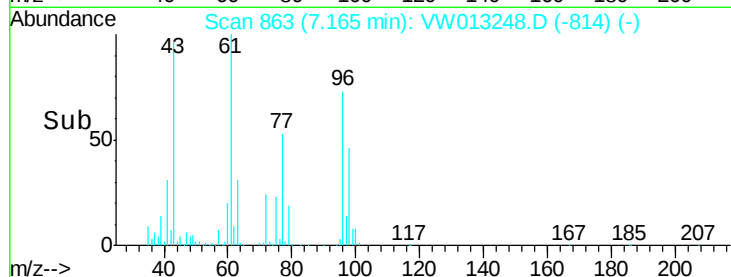
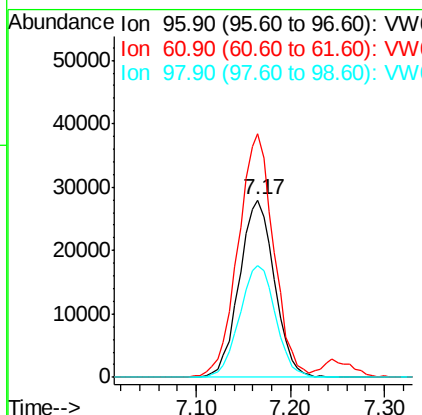
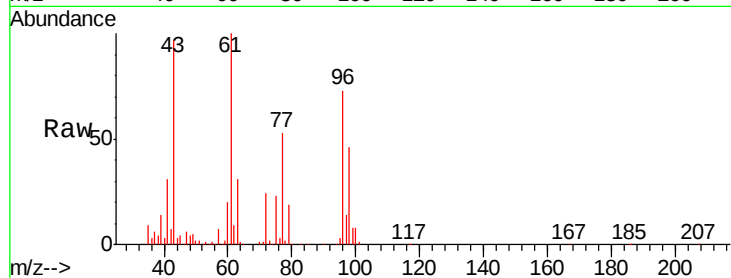


#27

cis-1,2-Dichloroethene
Concen: 21.770 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

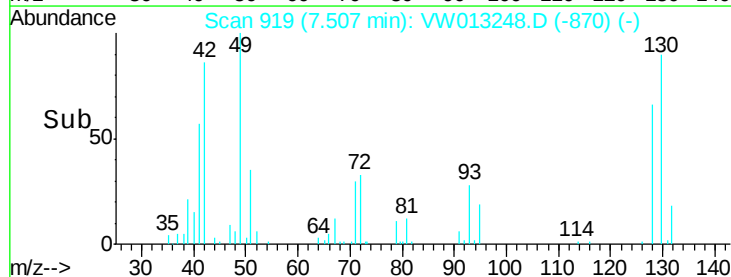
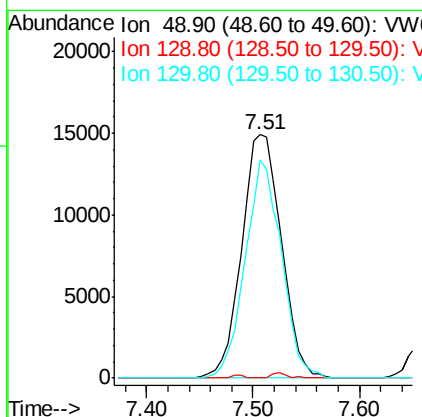
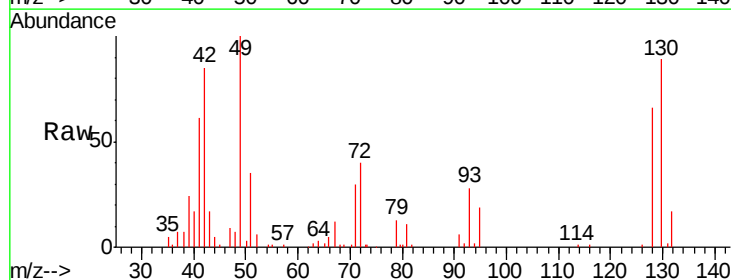
Tgt Ion: 96 Resp: 72826
Ion Ratio Lower Upper
96 100
61 139.2 0.0 282.4
98 64.8 0.0 128.2

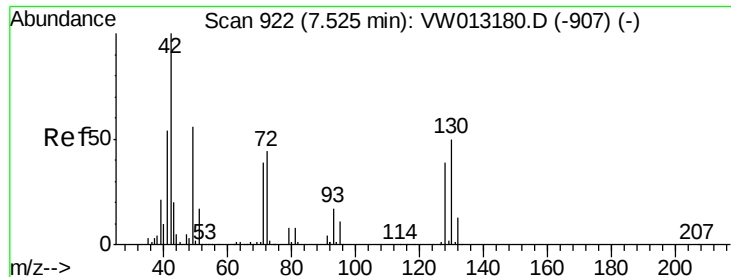


#28

Bromochloromethane
Concen: 19.016 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 49 Resp: 39089
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.0
130 81.8 63.4 95.2

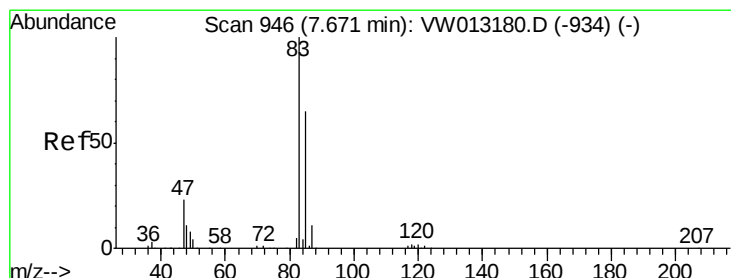
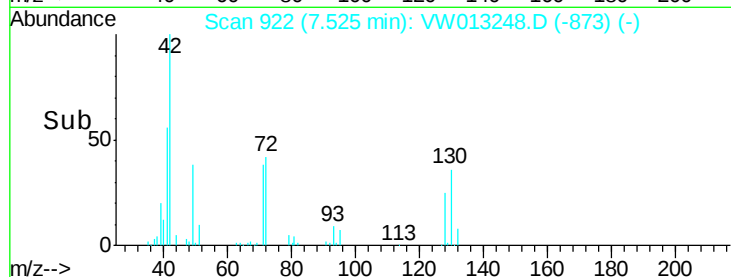
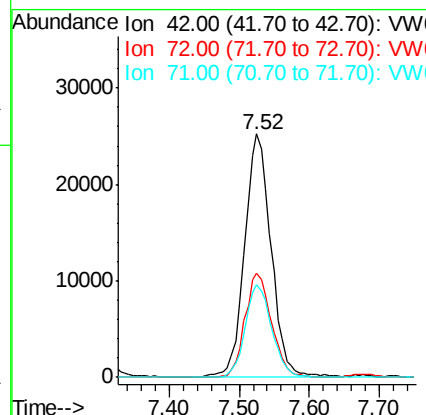
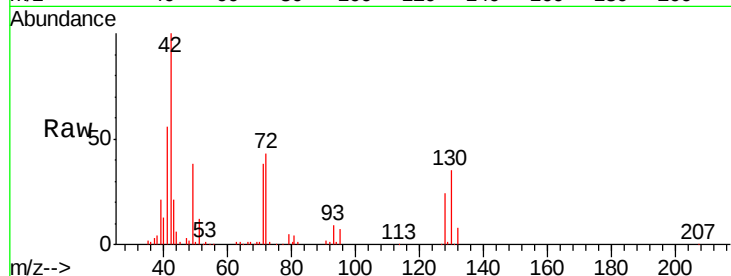




#29
Tetrahydrofuran
Concen: 124.233 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

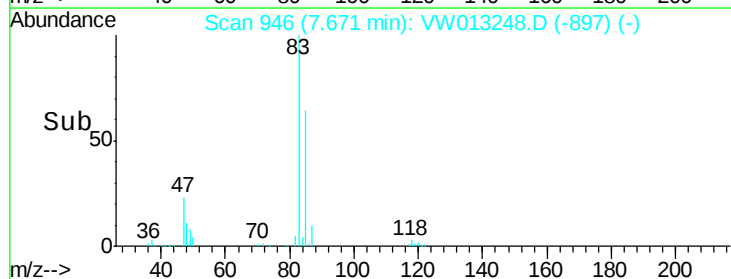
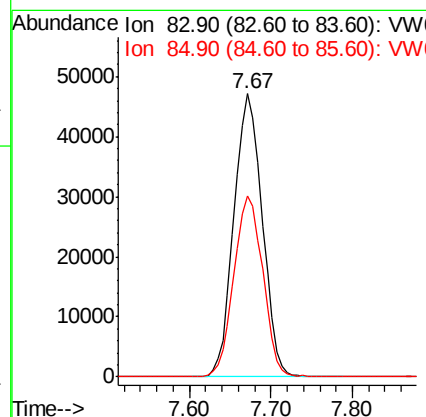
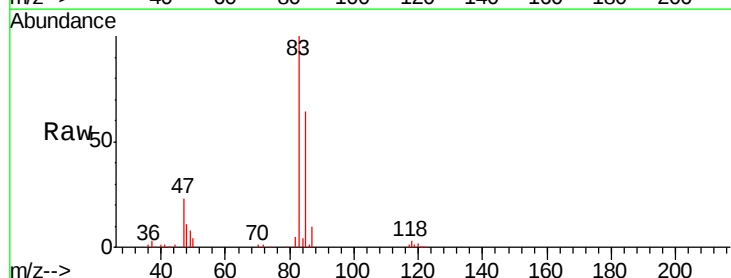
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

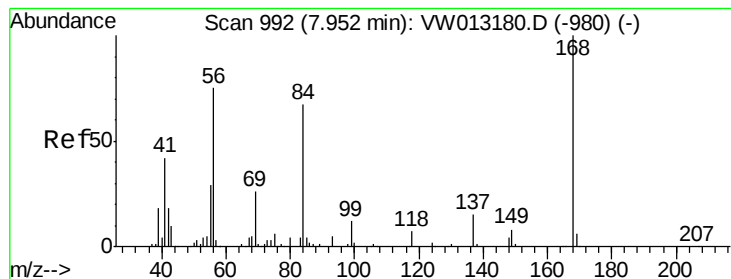
Tgt Ion: 42 Resp: 66432
Ion Ratio Lower Upper
42 100
72 42.7 33.9 50.9
71 38.2 31.9 47.9



#30
Chloroform
Concen: 21.546 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 83 Resp: 112983
Ion Ratio Lower Upper
83 100
85 64.1 52.3 78.5





#31

Cyclohexane

Concen: 20.478 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

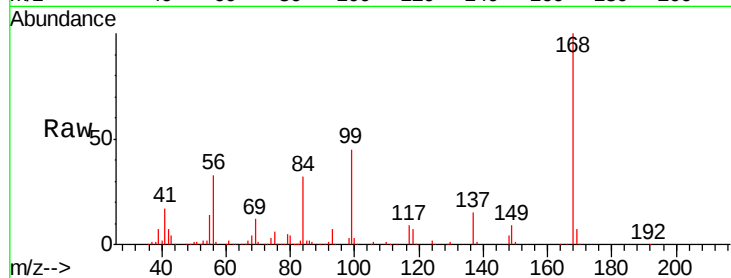
Tgt Ion: 56 Resp: 114331

Ion Ratio Lower Upper

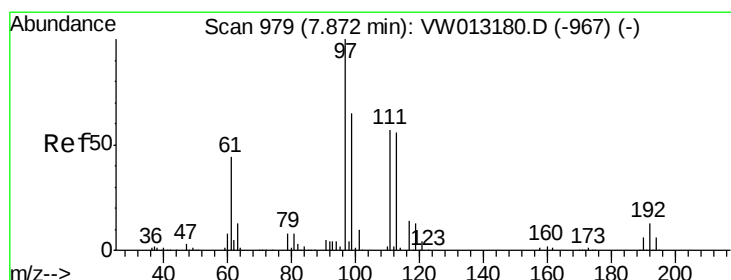
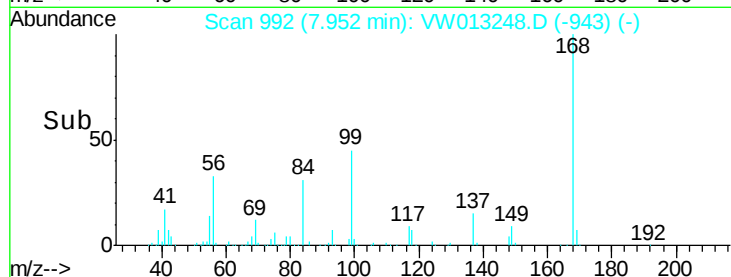
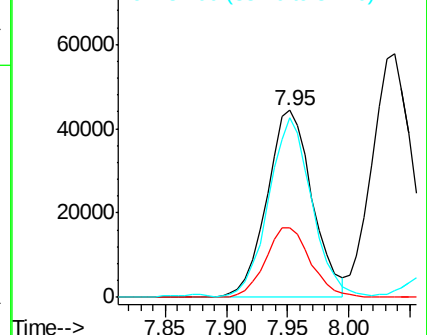
56 100

69 36.9 27.2 40.8

84 94.5 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: 21.157 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

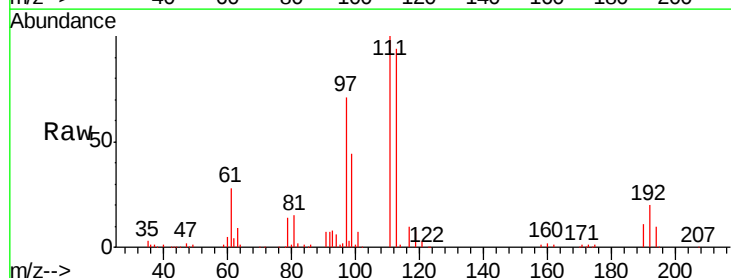
Tgt Ion: 97 Resp: 89854

Ion Ratio Lower Upper

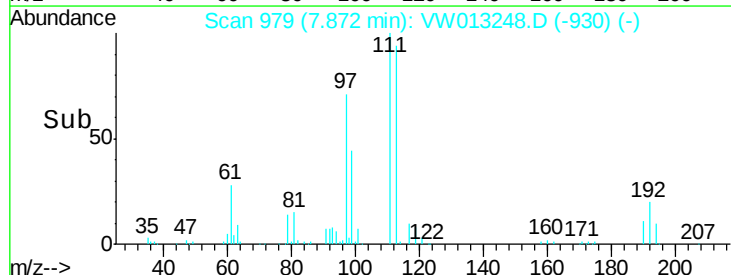
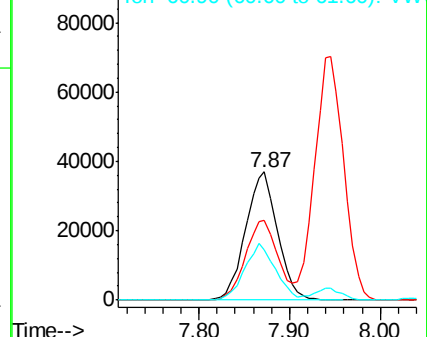
97 100

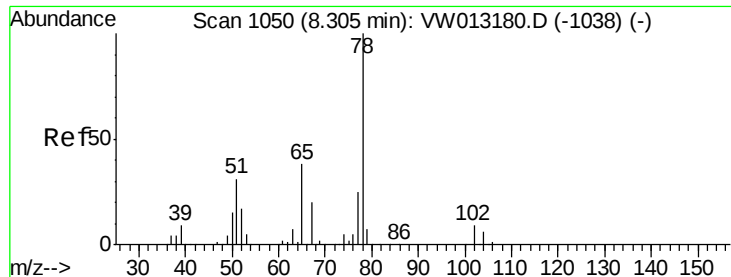
99 63.0 51.7 77.5

61 43.3 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

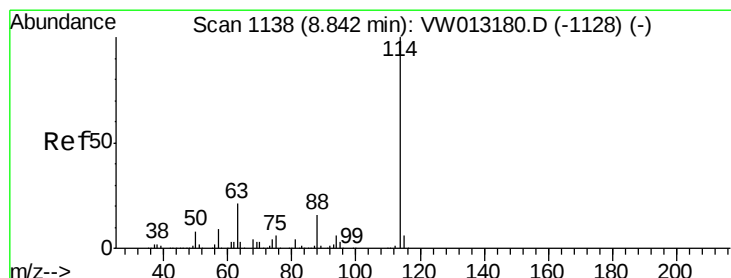
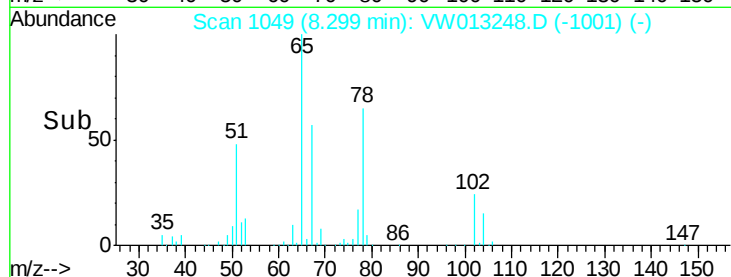
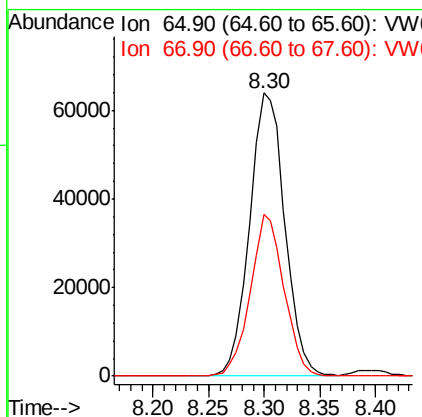
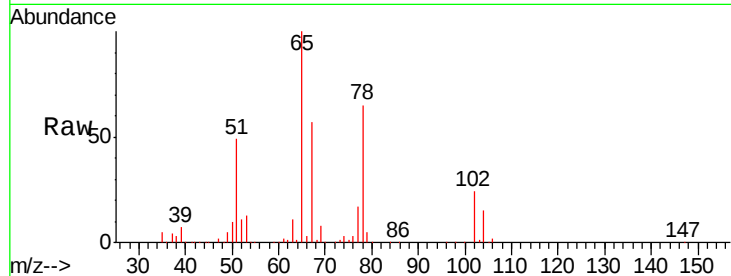




#33
 1,2-Dichloroethane-d4
 Concen: 54.778 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

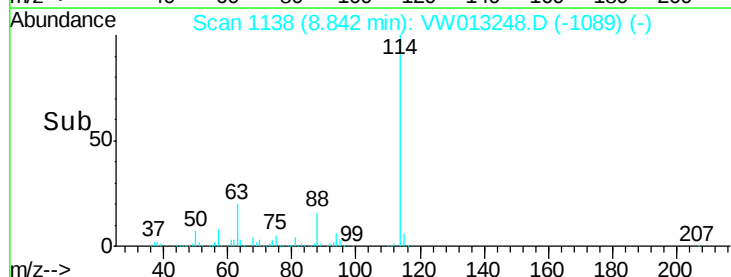
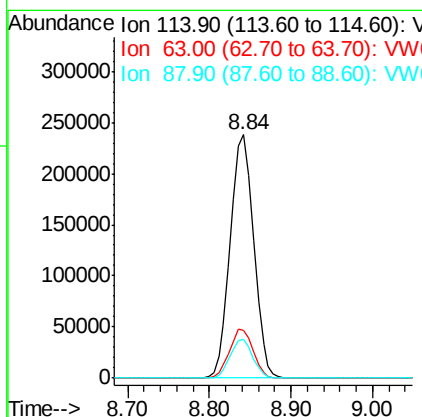
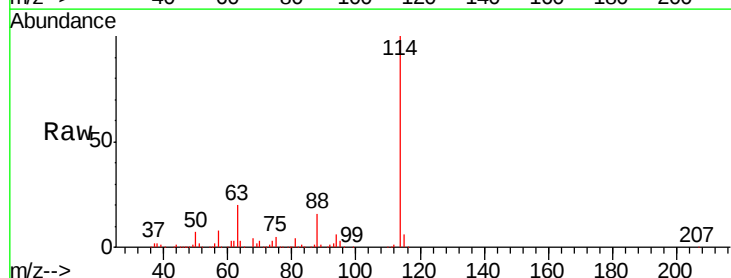
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

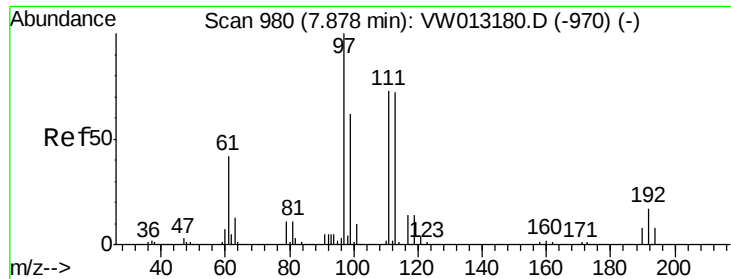
Tgt Ion: 65 Resp: 141092
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 114 Resp: 472072
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 16.1 0.0 32.0

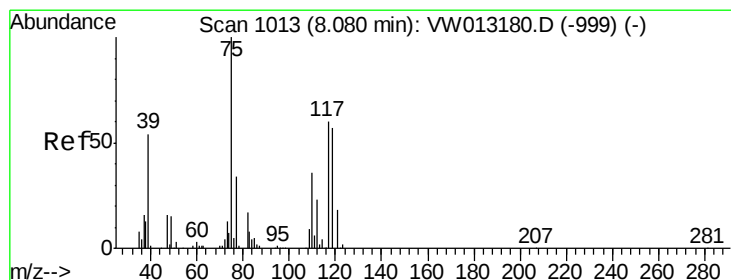
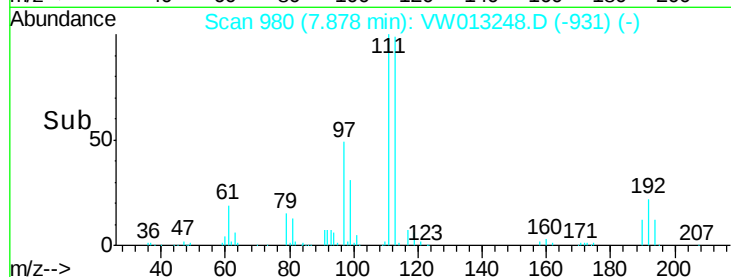
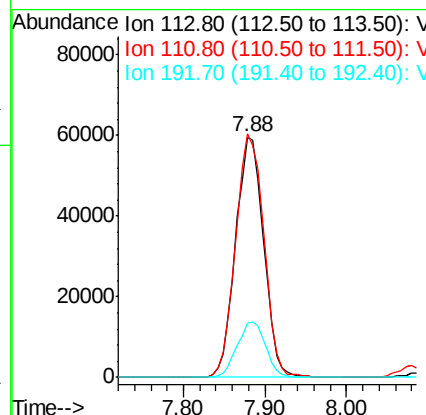
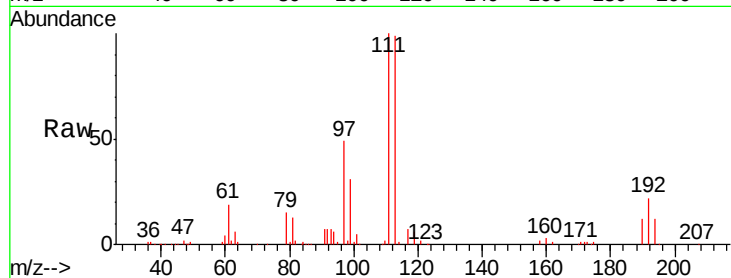




#35
 Dibromofluoromethane
 Concen: 54.348 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

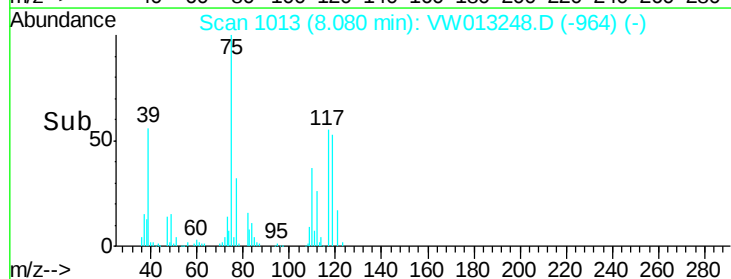
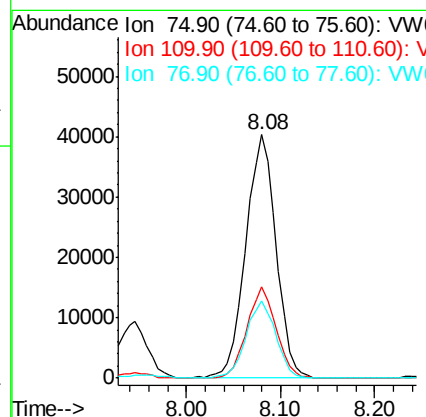
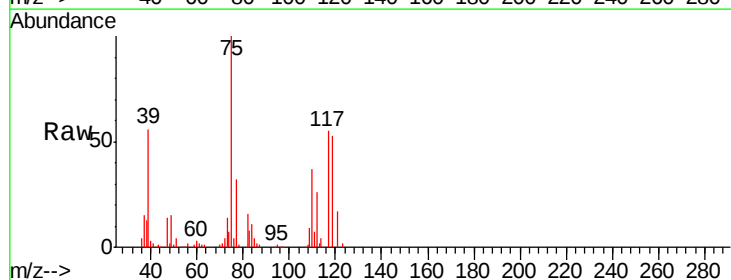
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

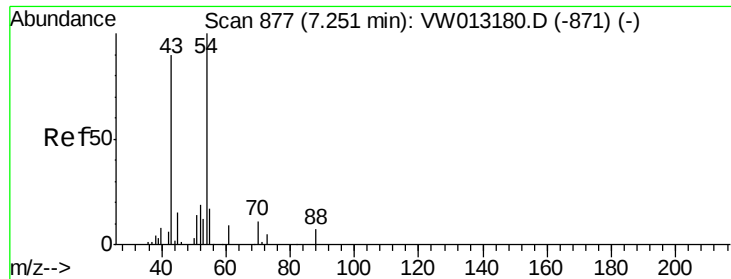
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.3	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 19.876 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	31.2	25.8	38.6

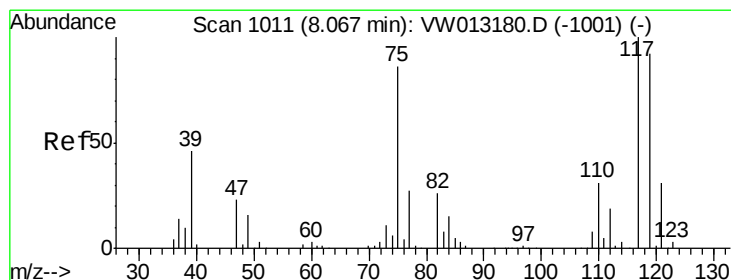
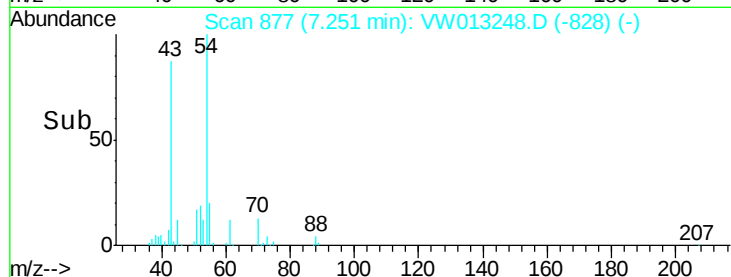
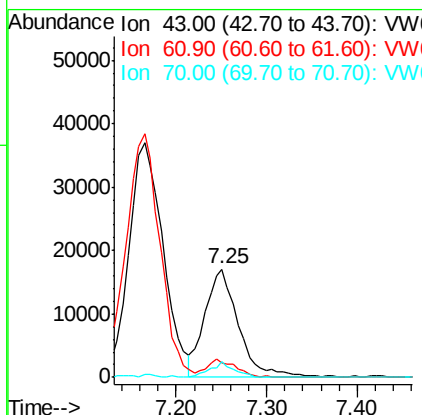
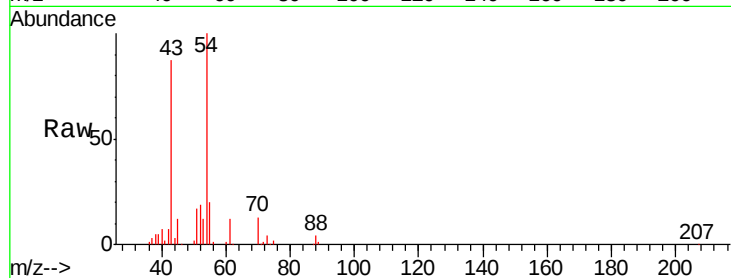




#37
Ethyl Acetate
Concen: 22.620 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

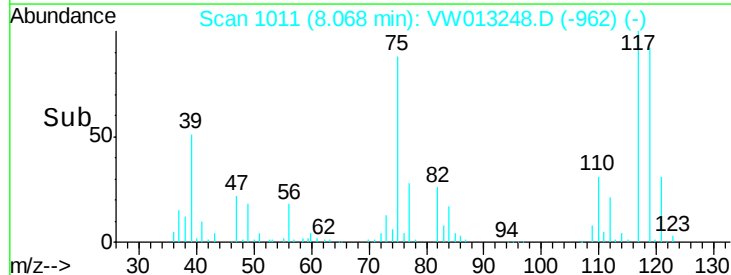
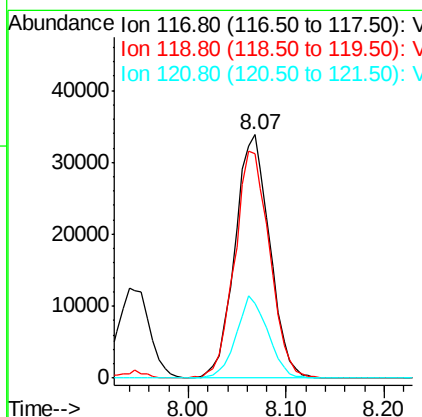
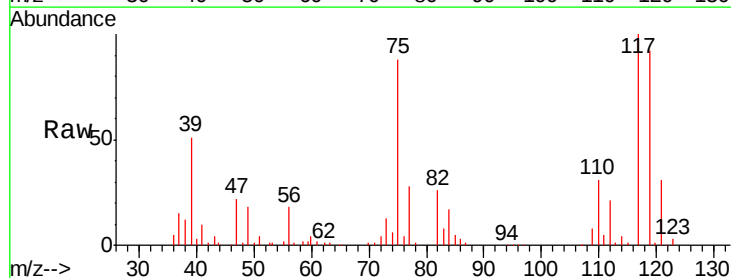
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

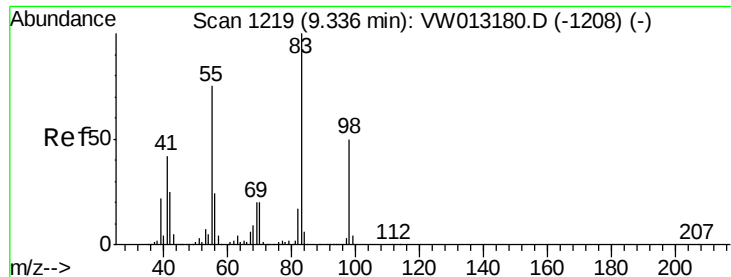
Tgt Ion: 43 Resp: 43957
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 10.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.332 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 117 Resp: 83336
Ion Ratio Lower Upper
117 100
119 92.0 73.5 110.3
121 30.7 25.0 37.6

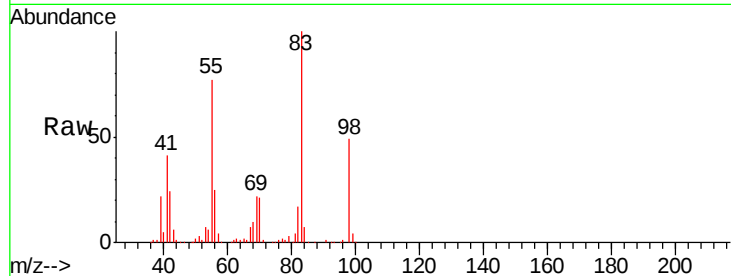




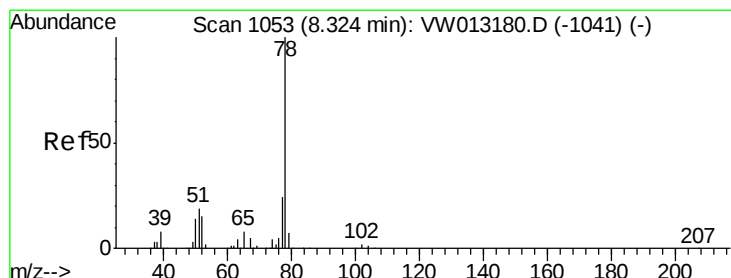
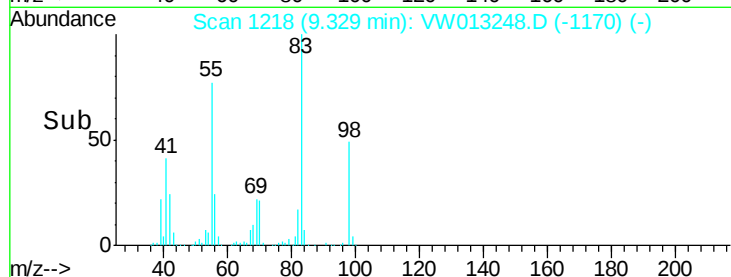
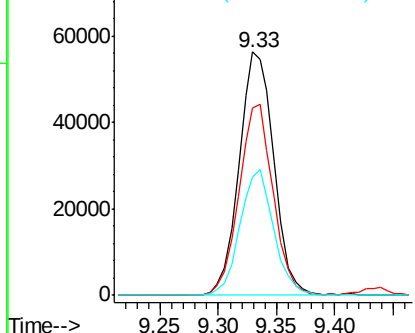
#39
Methylcyclohexane
Concen: 19.843 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

Tgt Ion: 83 Resp: 116594
Ion Ratio Lower Upper
83 100
55 76.8 60.4 90.6
98 48.8 40.0 60.0

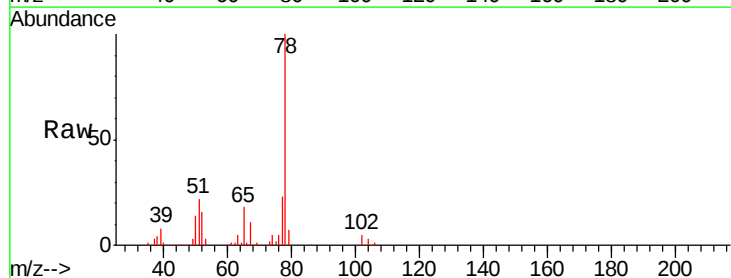


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

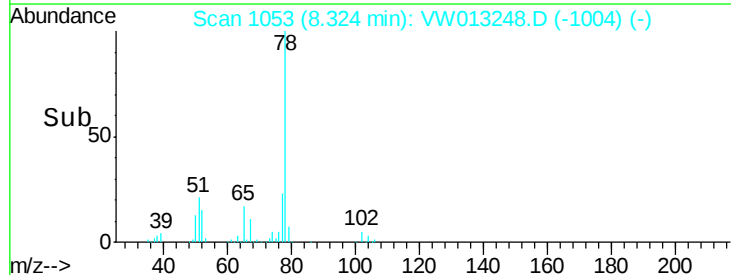
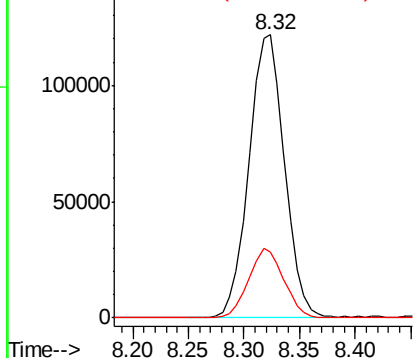


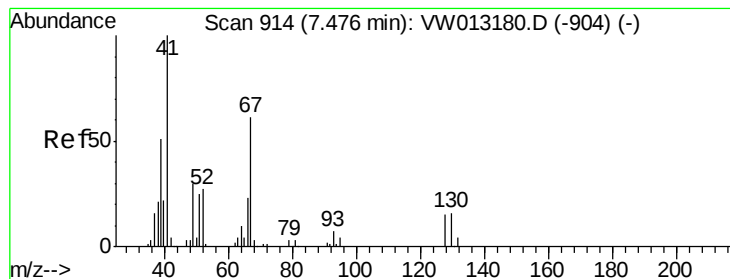
#40
Benzene
Concen: 21.293 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion: 78 Resp: 271564
Ion Ratio Lower Upper
78 100
77 23.0 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: 23.522 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

Tgt Ion: 41 Resp: 27281

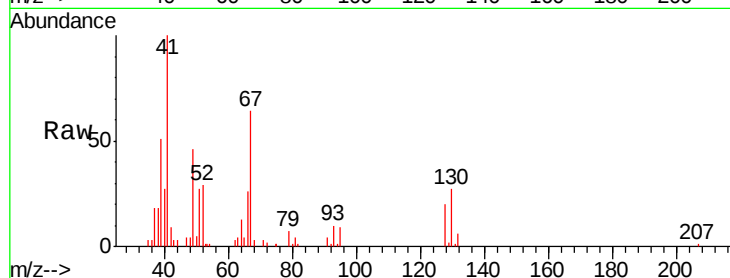
Ion Ratio Lower Upper

41 100

39 57.4 45.9 68.9

67 66.2 54.5 81.7

52 27.4 22.5 33.7

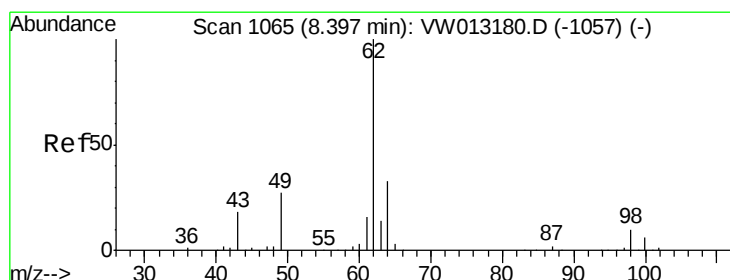
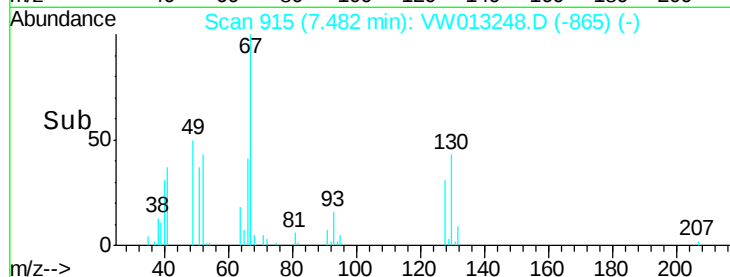
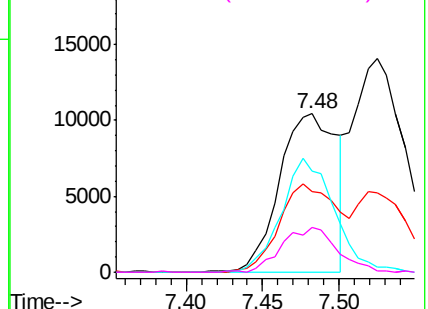


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.170 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013248.D

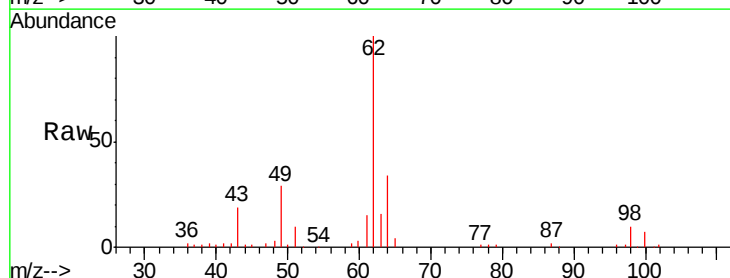
Acq: 24 Sep 2019 00:44

Tgt Ion: 62 Resp: 72580

Ion Ratio Lower Upper

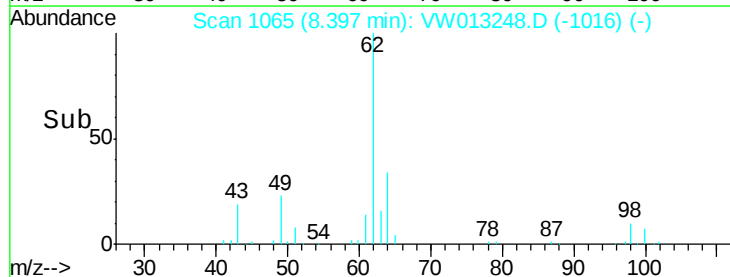
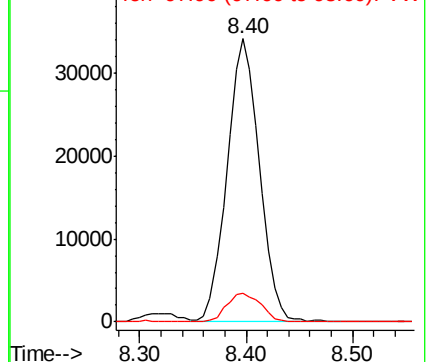
62 100

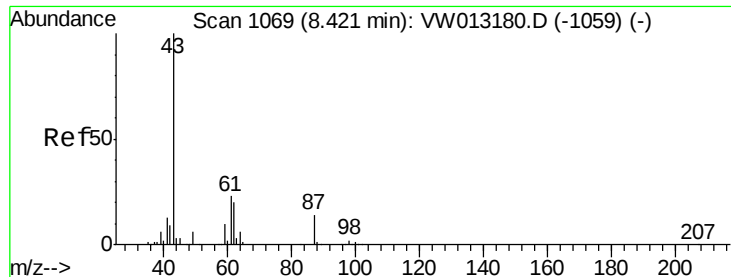
98 10.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.012 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

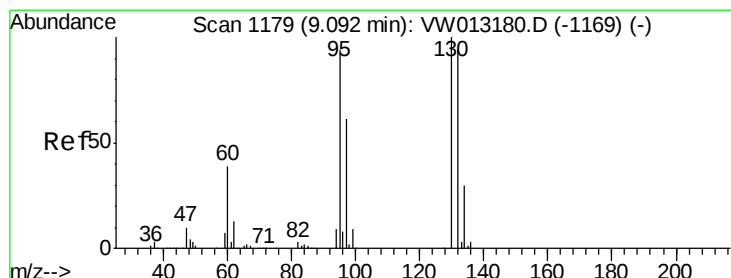
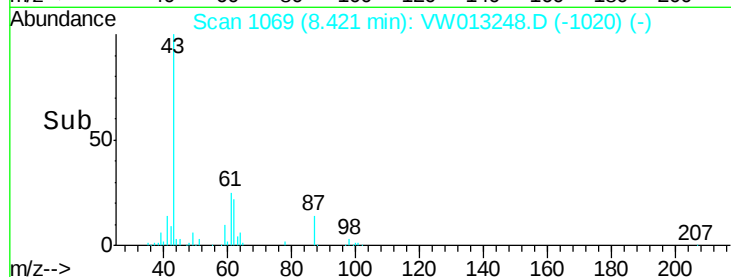
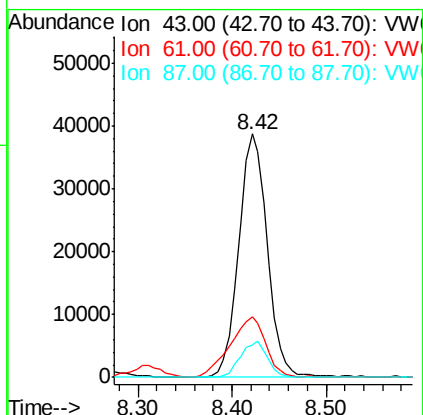
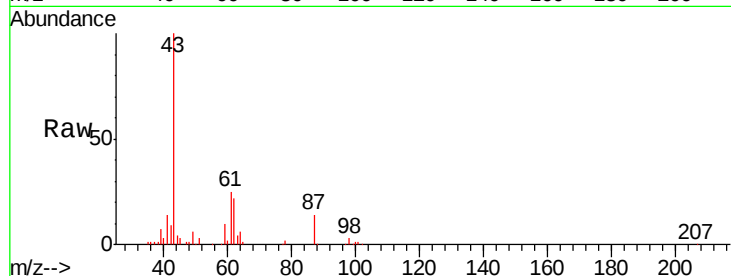
Tgt Ion: 43 Resp: 81982

Ion Ratio Lower Upper

43 100

61 30.6 25.5 38.3

87 14.2 11.0 16.4



#44

Trichloroethene

Concen: 20.757 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013248.D

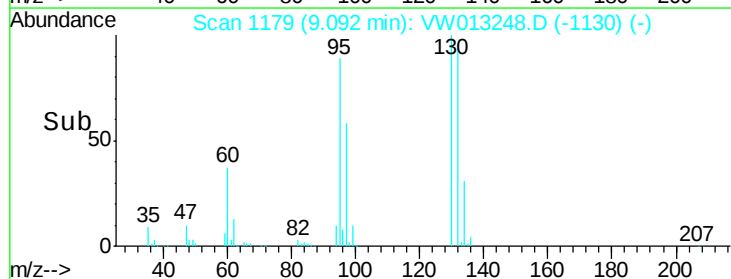
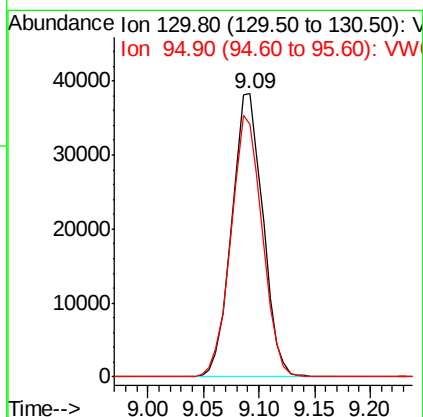
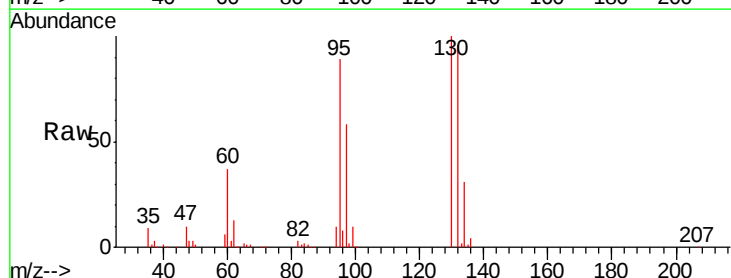
Acq: 24 Sep 2019 00:44

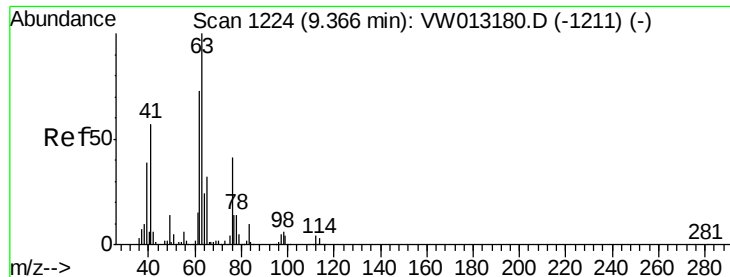
Tgt Ion: 130 Resp: 74274

Ion Ratio Lower Upper

130 100

95 89.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 21.275 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

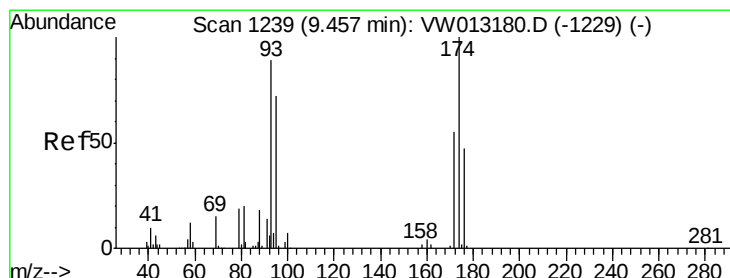
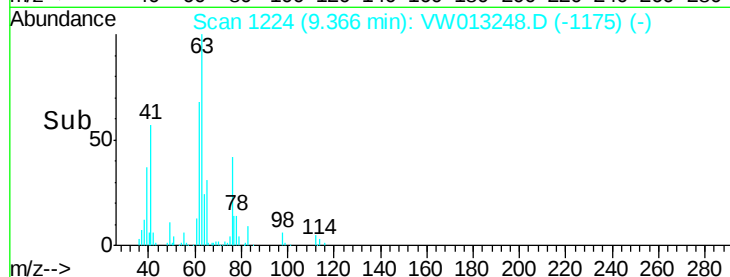
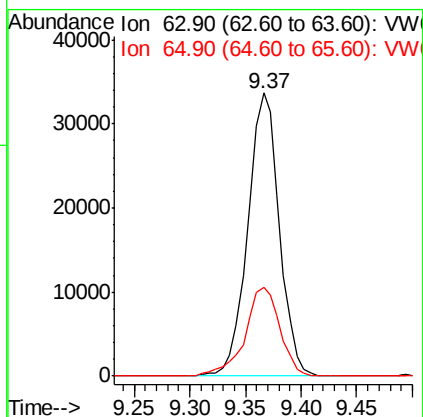
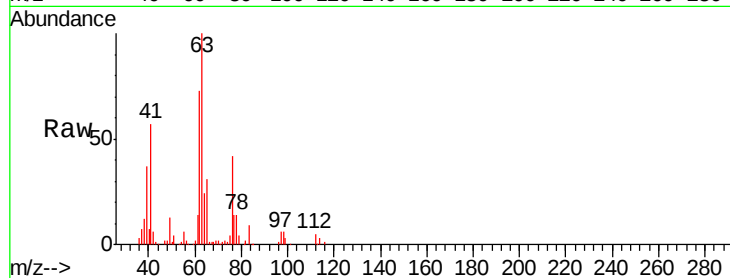
VW0923SBSD02

Tgt Ion: 63 Resp: 66245

Ion Ratio Lower Upper

63 100

65 31.5 25.3 37.9



#46

Dibromomethane

Concen: 22.395 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

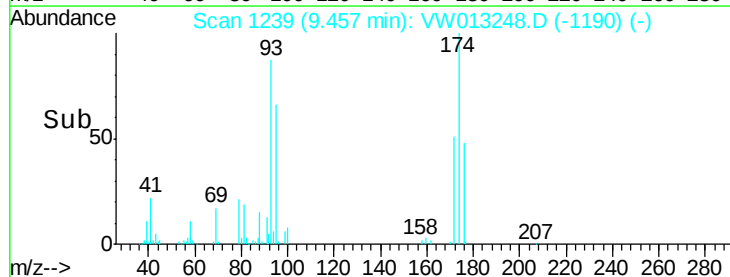
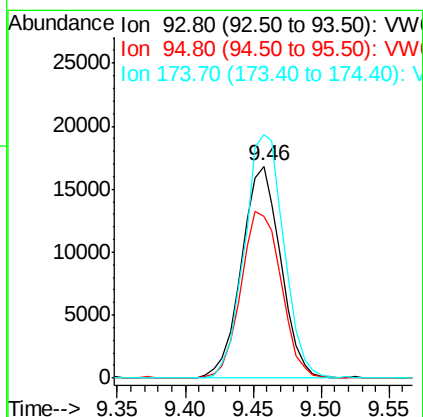
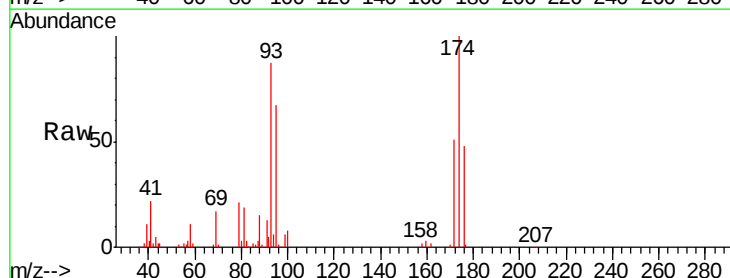
Tgt Ion: 93 Resp: 33854

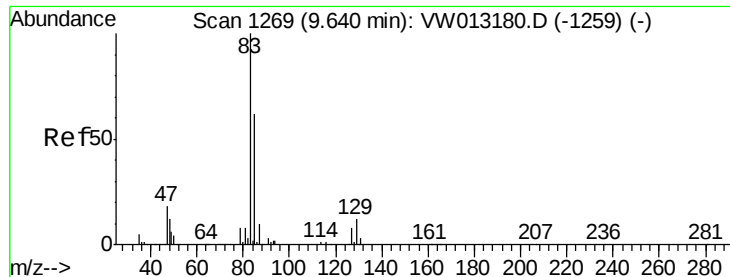
Ion Ratio Lower Upper

93 100

95 80.7 66.4 99.6

174 116.5 93.0 139.6

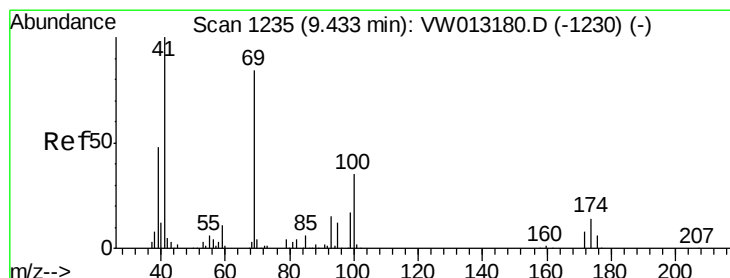
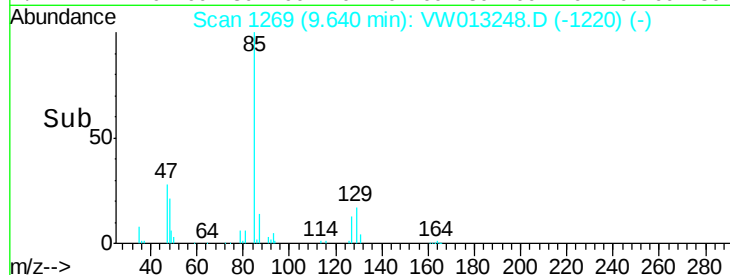
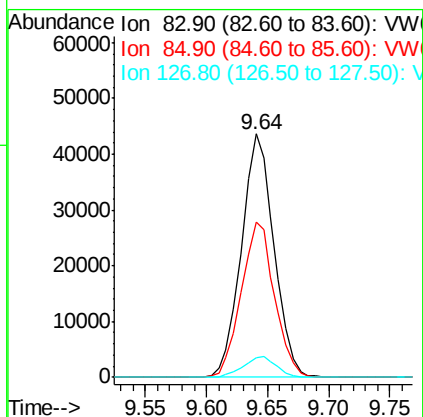
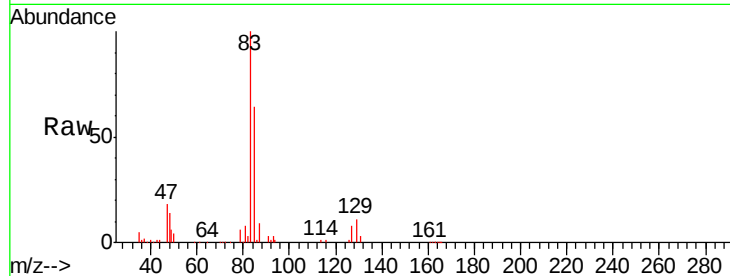




#47
 Bromodichloromethane
 Concen: 20.932 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

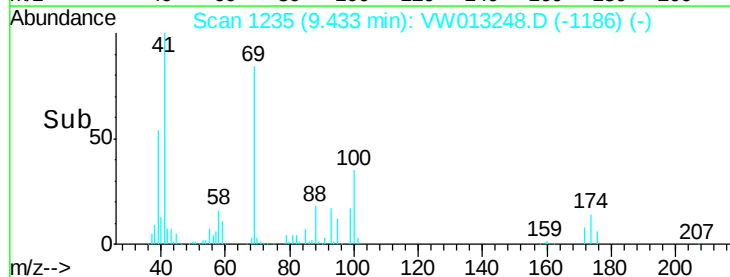
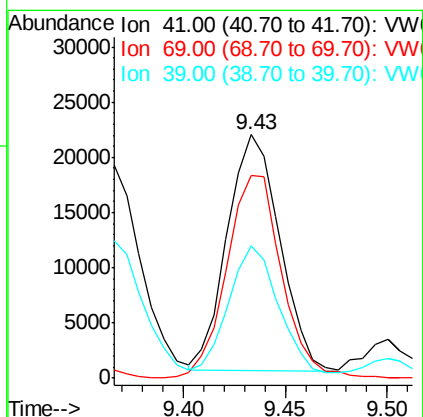
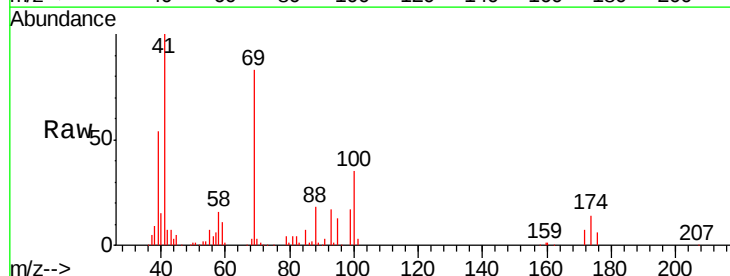
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

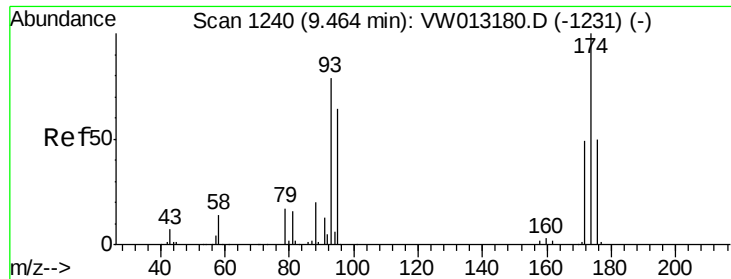
Tgt Ion: 83 Resp: 80518
 Ion Ratio Lower Upper
 83 100
 85 63.6 49.4 74.2
 127 8.1 6.5 9.7



#48
 Methyl methacrylate
 Concen: 21.767 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 41 Resp: 38121
 Ion Ratio Lower Upper
 41 100
 69 90.9 69.7 104.5
 39 51.1 41.1 61.7





#49

1,4-Dioxane

Concen: 500.099 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.02 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

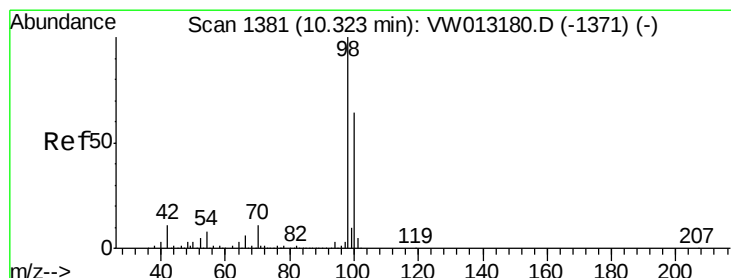
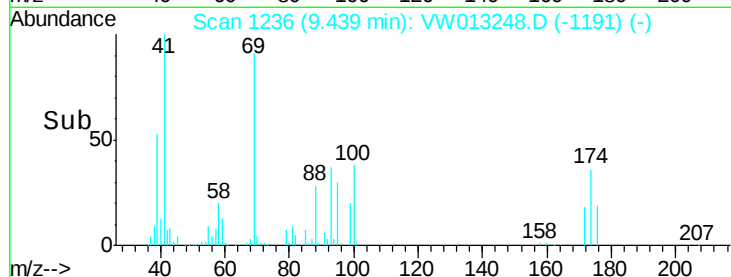
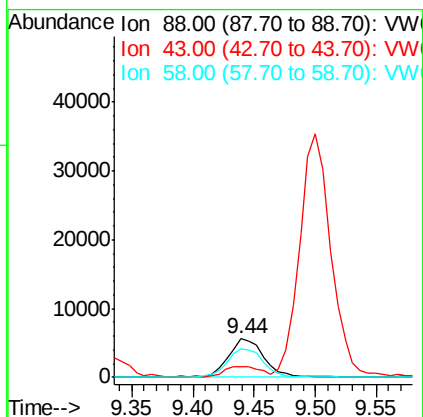
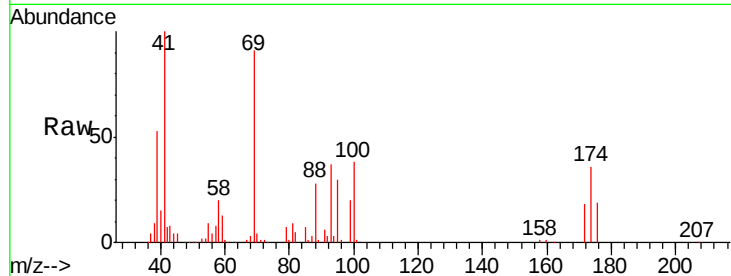
Tgt Ion: 88 Resp: 11348

Ion Ratio Lower Upper

88 100

43 28.6 0.0 0.0#

58 75.1 65.4 98.0



#50

Toluene-d8

Concen: 53.468 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013248.D

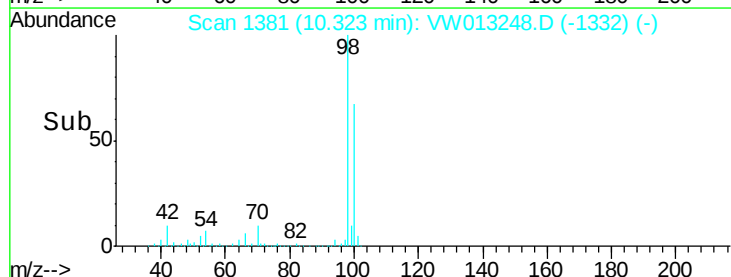
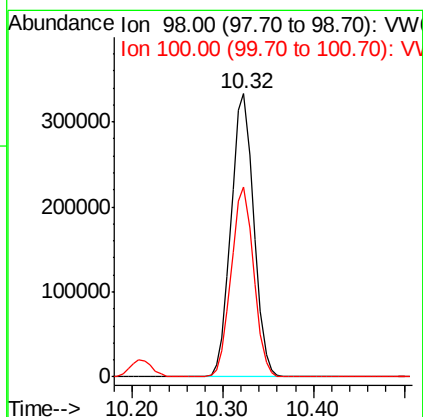
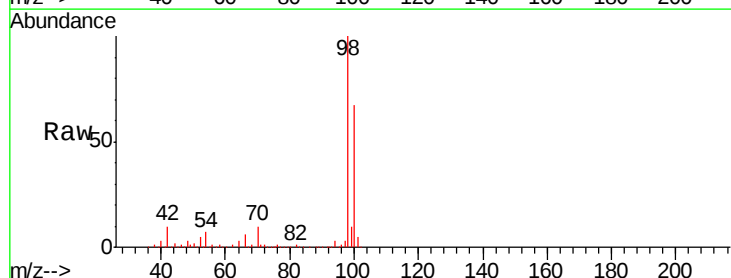
Acq: 24 Sep 2019 00:44

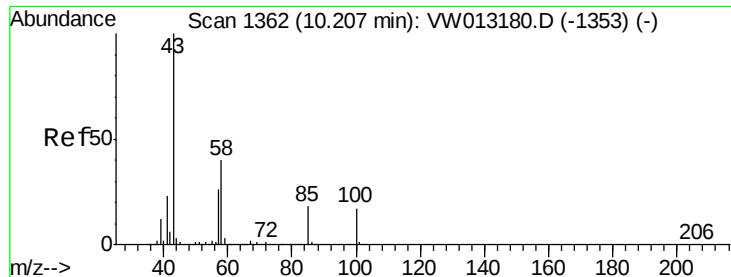
Tgt Ion: 98 Resp: 580992

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3

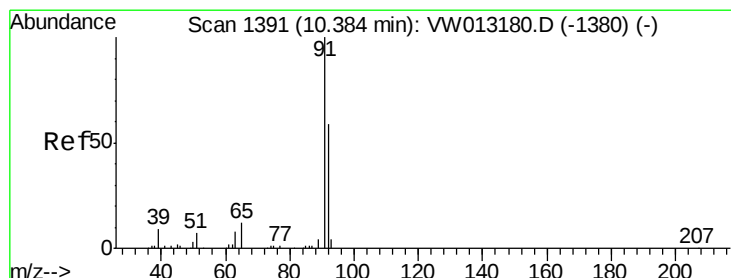
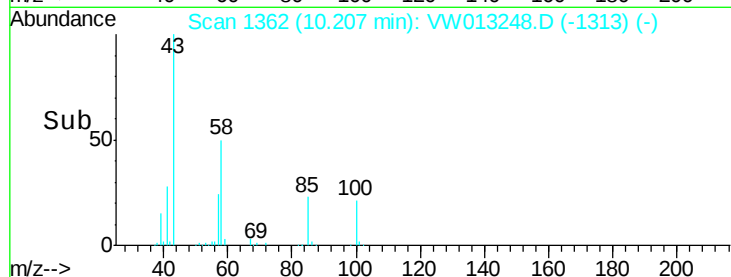
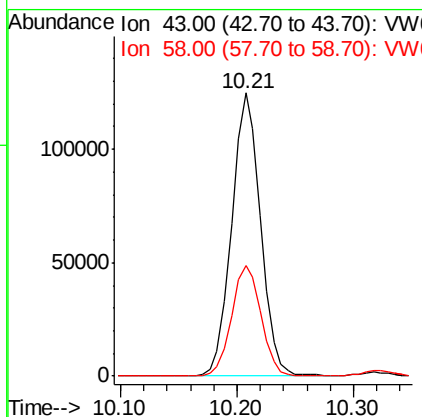
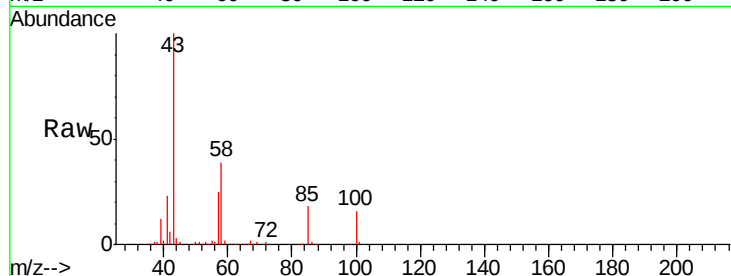




#51
 4-Methyl-2-Pentanone
 Concen: 114.981 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

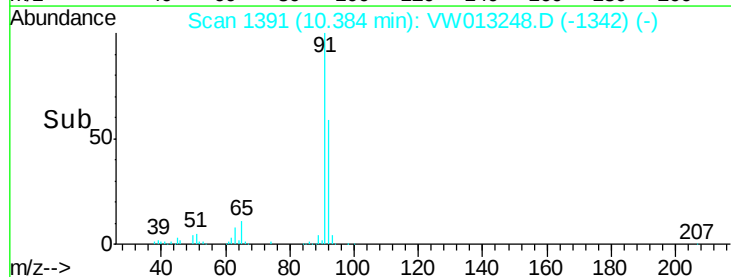
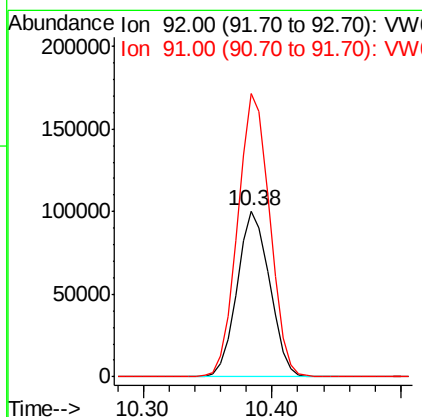
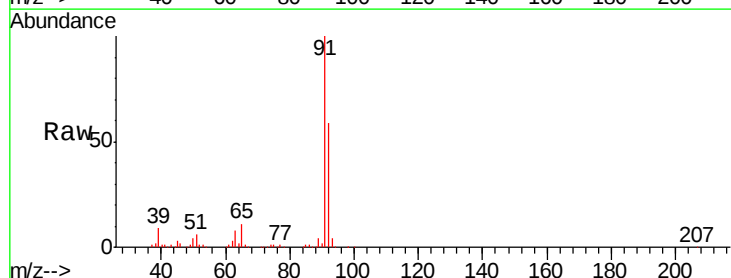
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0923SBSD02

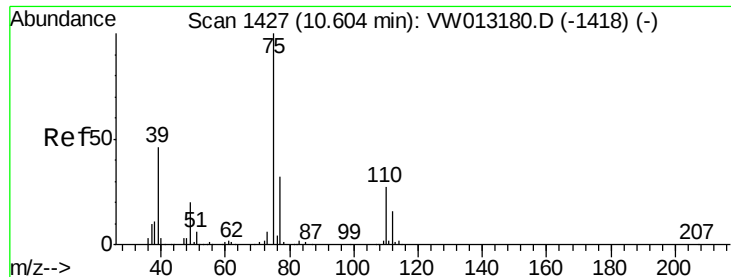
Tgt Ion: 43 Resp: 214685
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.7 47.5



#52
 Toluene
 Concen: 21.419 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 92 Resp: 175071
 Ion Ratio Lower Upper
 92 100
 91 168.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.782 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampled :

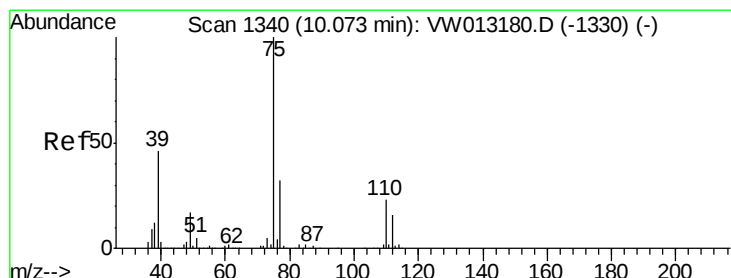
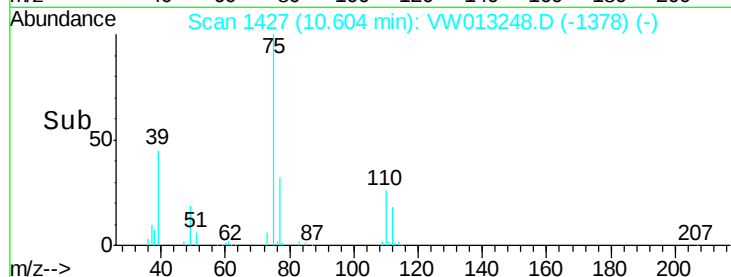
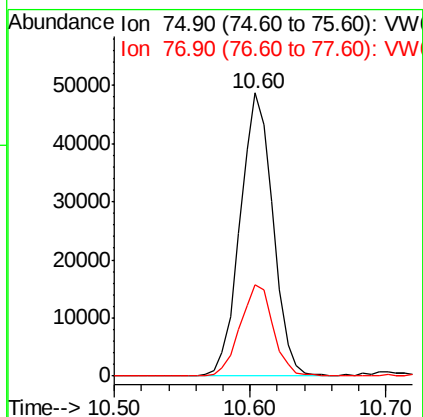
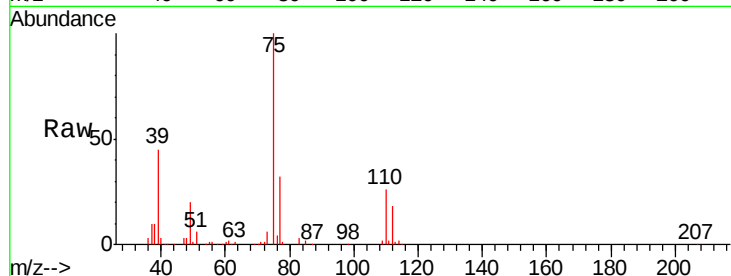
VW0923SBSD02

Tgt Ion: 75 Resp: 82129

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.486 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

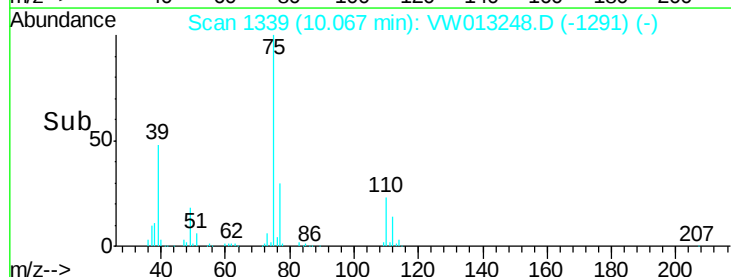
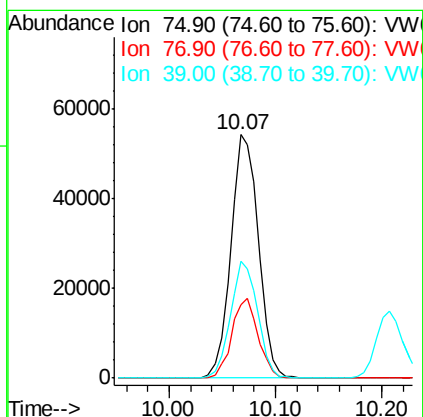
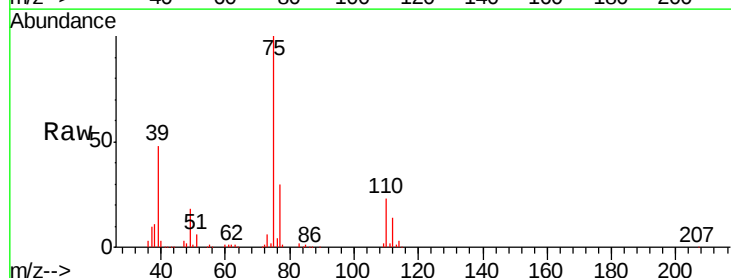
Tgt Ion: 75 Resp: 98439

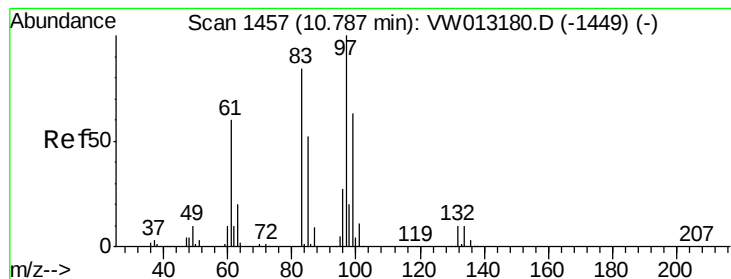
Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8

39 48.2 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.809 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

Tgt Ion: 97 Resp: 49277

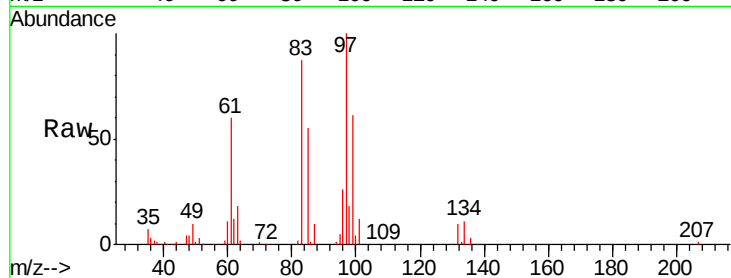
Ion Ratio Lower Upper

97 100

83 86.8 67.6 101.4

85 55.1 41.9 62.9

99 61.5 50.1 75.1

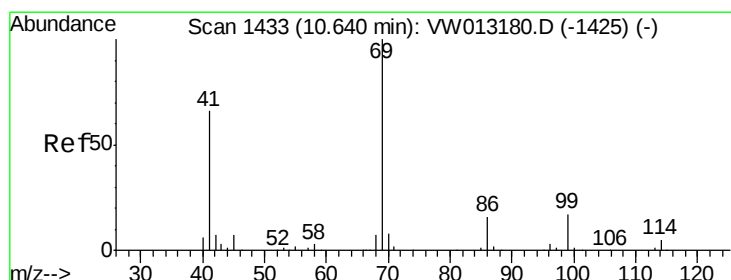
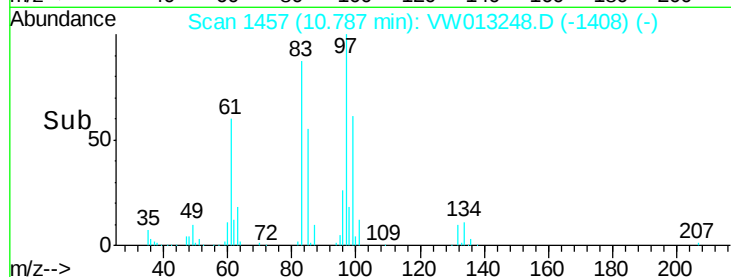
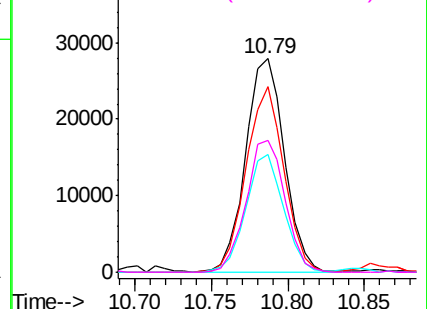


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.880 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

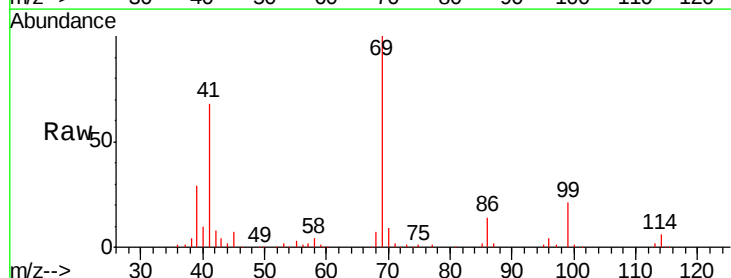
Tgt Ion: 69 Resp: 67657

Ion Ratio Lower Upper

69 100

41 67.2 53.9 80.9

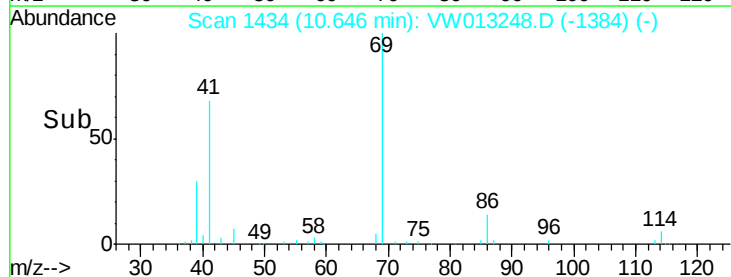
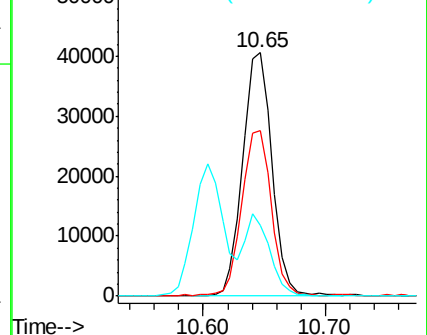
39 28.0 23.8 35.6

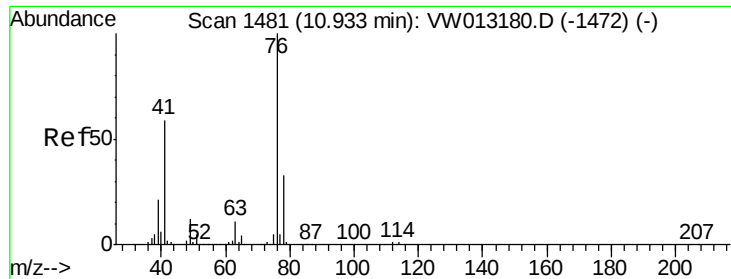


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 22.117 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

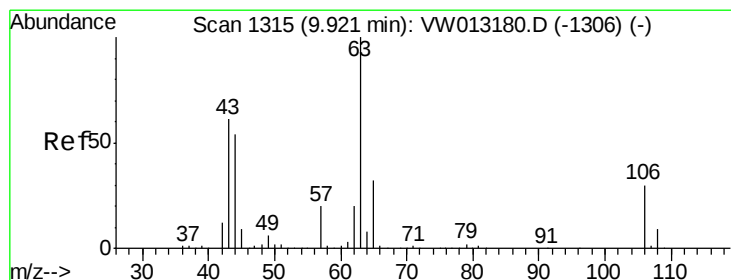
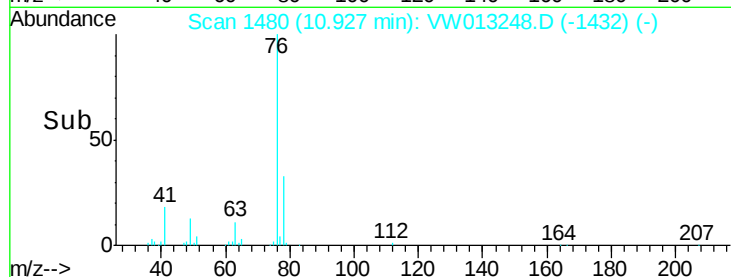
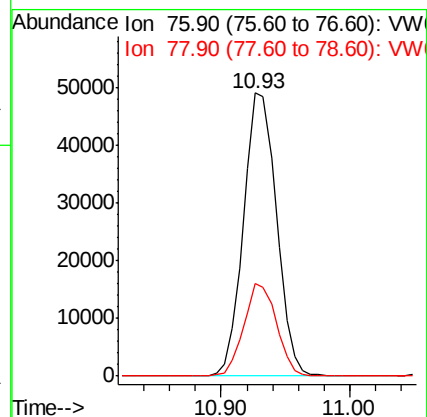
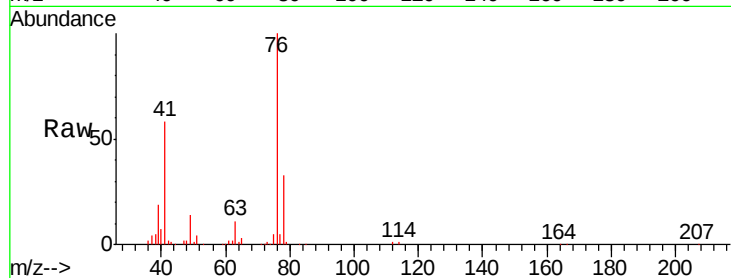
VW0923SBSD02

Tgt Ion: 76 Resp: 87207

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 108.627 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013248.D

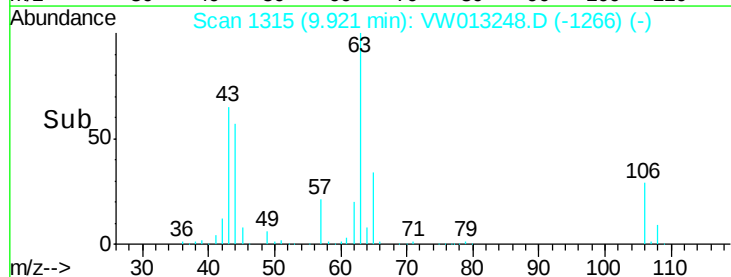
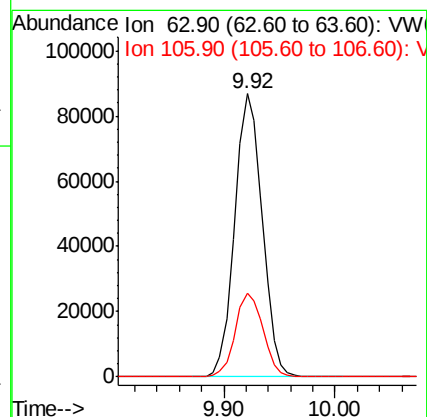
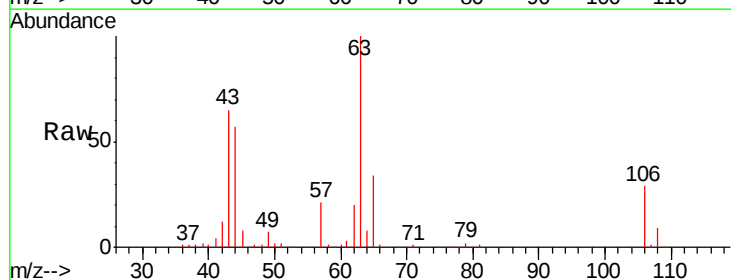
Acq: 24 Sep 2019 00:44

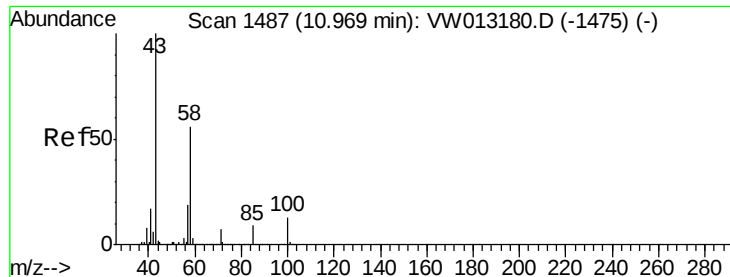
Tgt Ion: 63 Resp: 148706

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.0





#59

2-Hexanone

Concen: 115.261 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

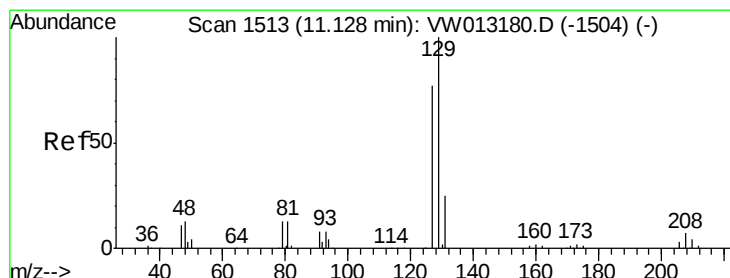
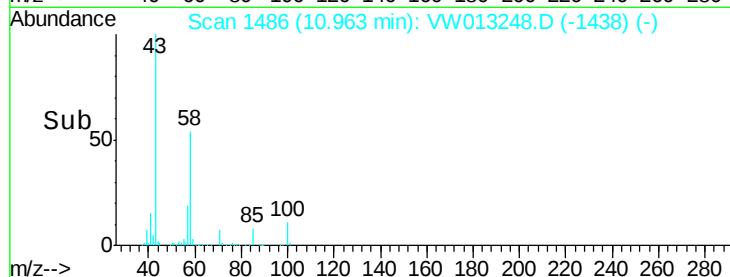
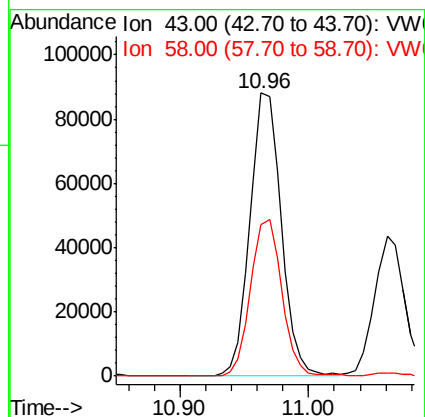
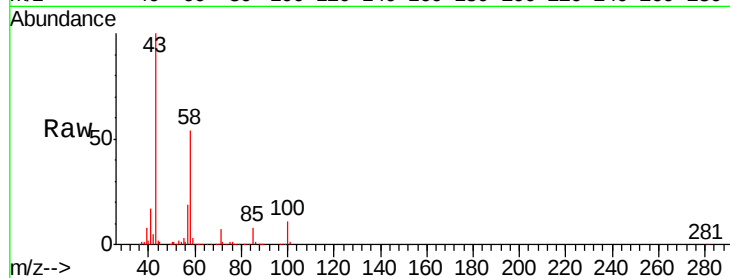
VW0923SBSD02

Tgt Ion: 43 Resp: 148062

Ion Ratio Lower Upper

43 100

58 55.2 28.1 84.2



#60

Dibromochloromethane

Concen: 21.563 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013248.D

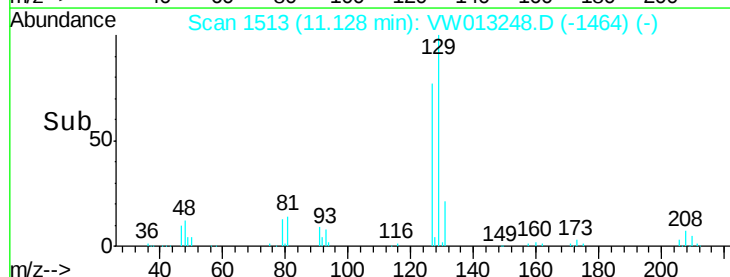
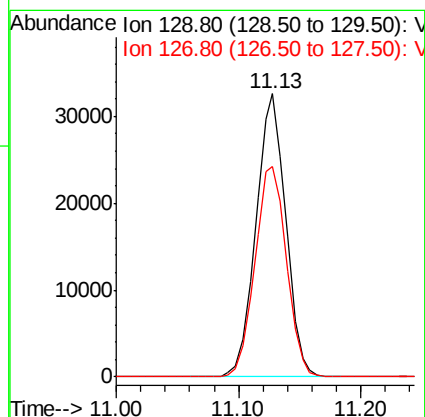
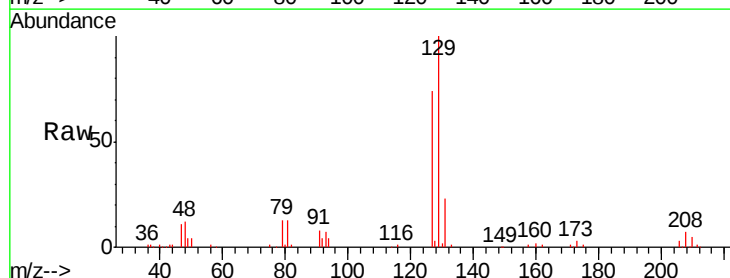
Acq: 24 Sep 2019 00:44

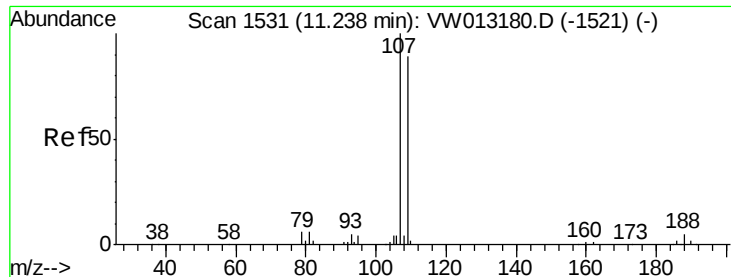
Tgt Ion: 129 Resp: 55322

Ion Ratio Lower Upper

129 100

127 78.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.967 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

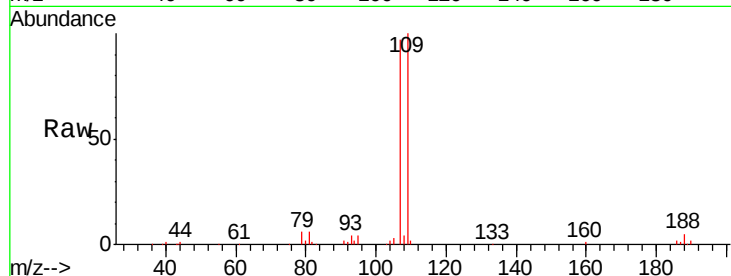
VW0923SBSD02

Tgt Ion: 107 Resp: 47191

Ion Ratio Lower Upper

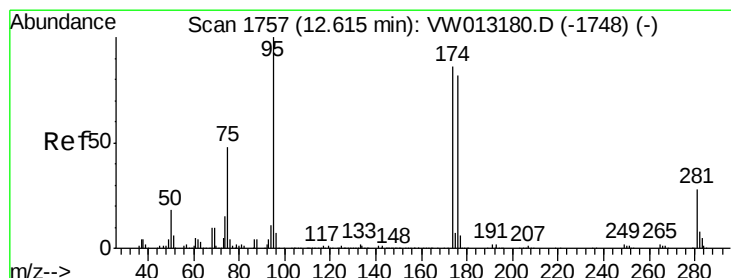
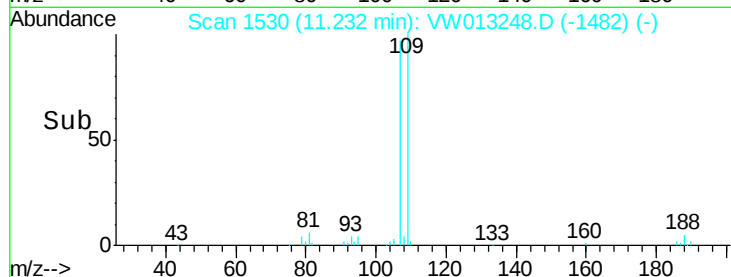
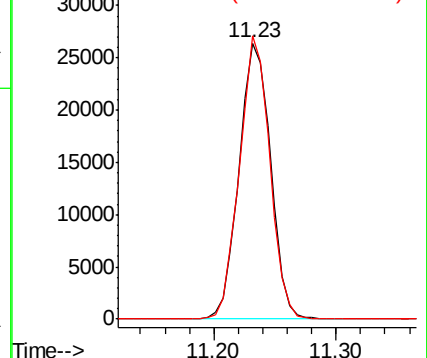
107 100

109 98.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.766 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

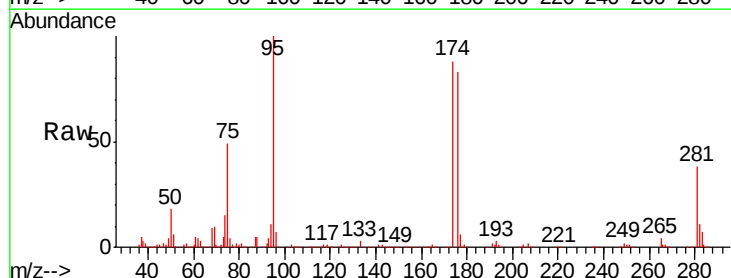
Tgt Ion: 95 Resp: 203282

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.4

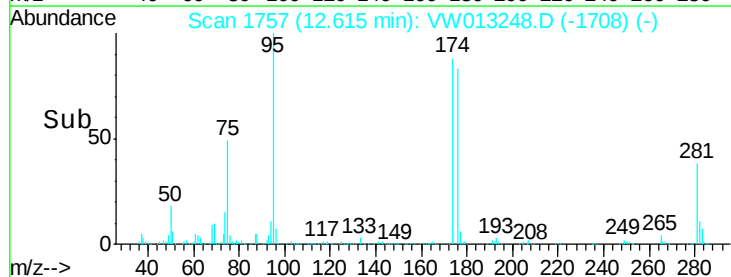
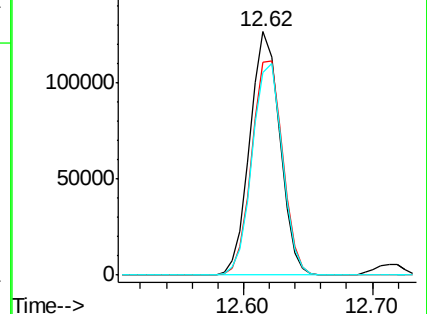
176 87.6 0.0 172.2

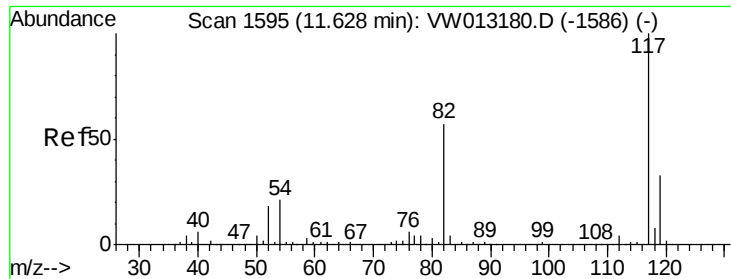


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

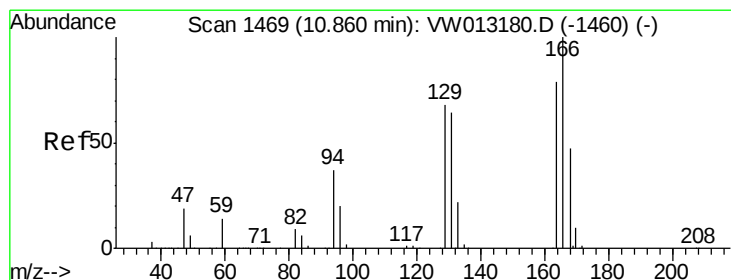
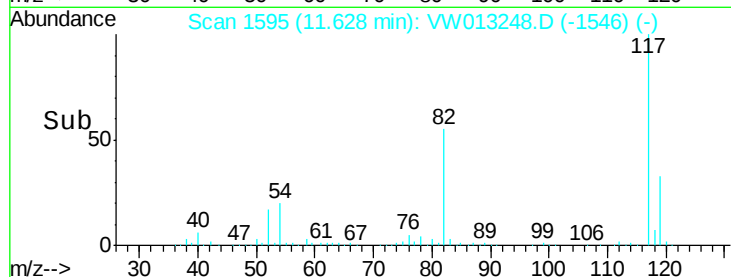
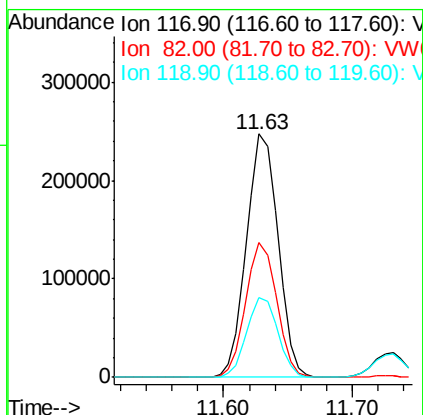
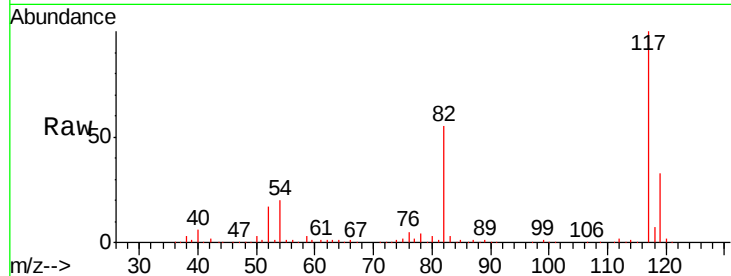




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

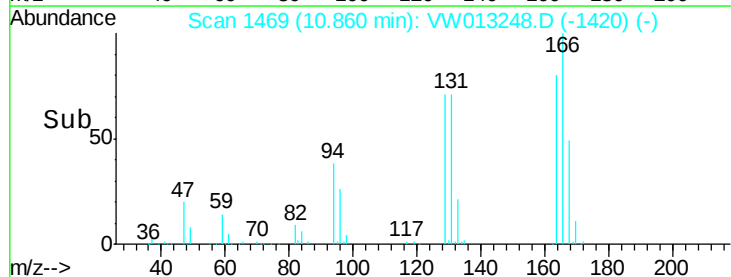
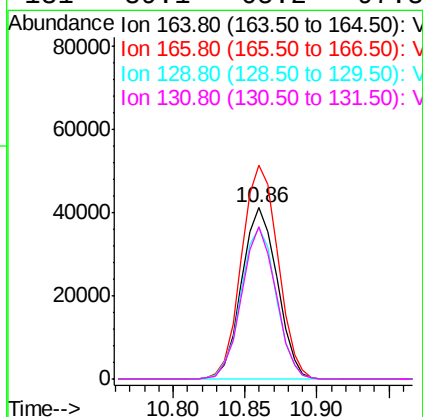
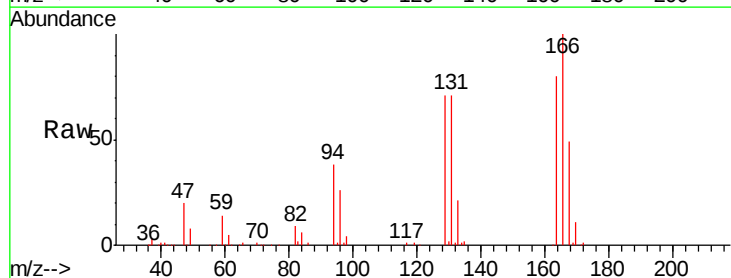
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

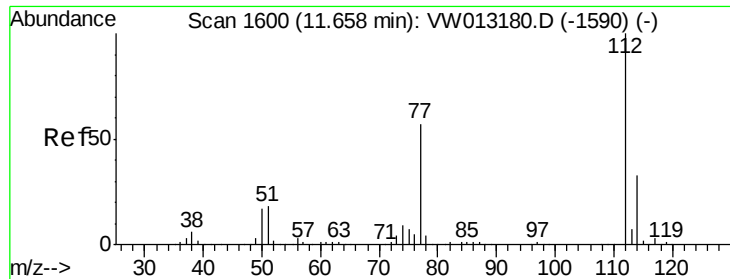
Tgt Ion:117 Resp: 418908
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.9 26.2 39.2



#64
Tetrachloroethene
Concen: 22.168 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion:164 Resp: 70458
Ion Ratio Lower Upper
164 100
166 124.8 101.2 151.8
129 88.6 68.8 103.2
131 89.1 65.2 97.8

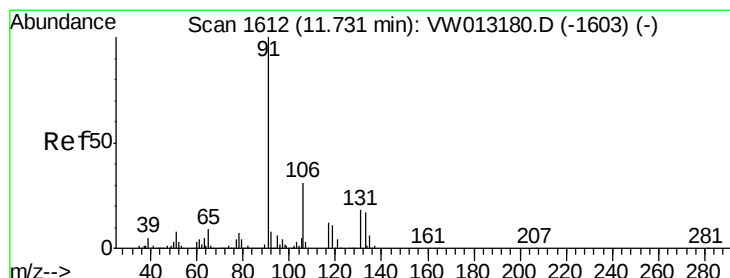
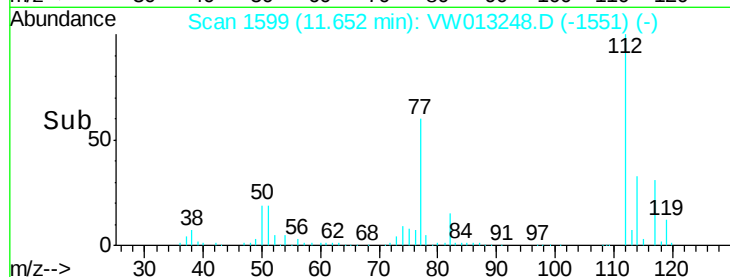
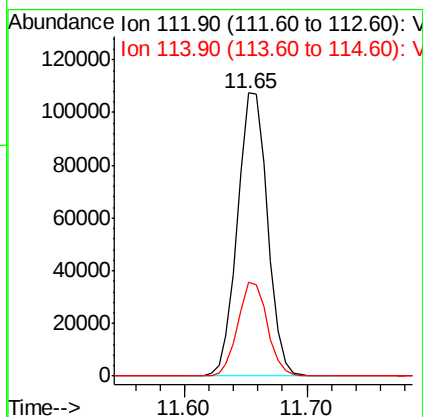
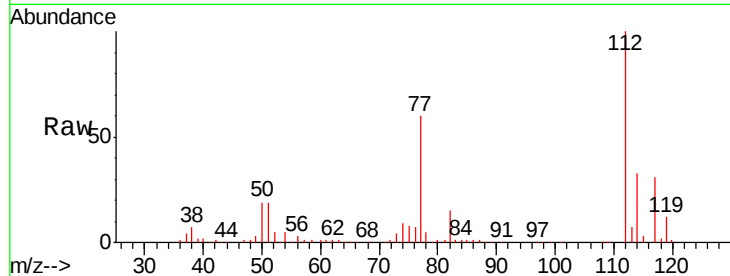




#65
Chlorobenzene
Concen: 20.931 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

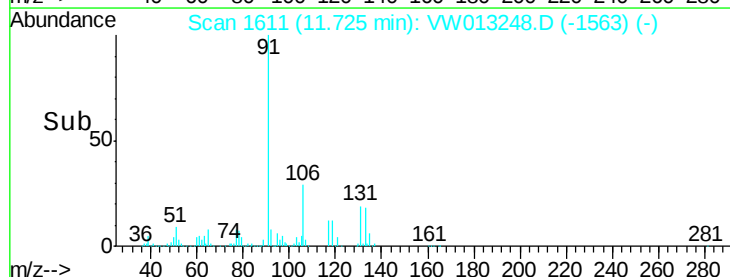
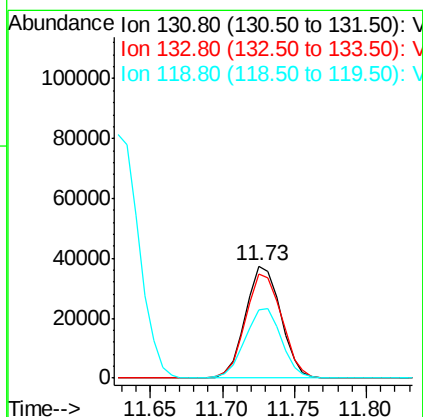
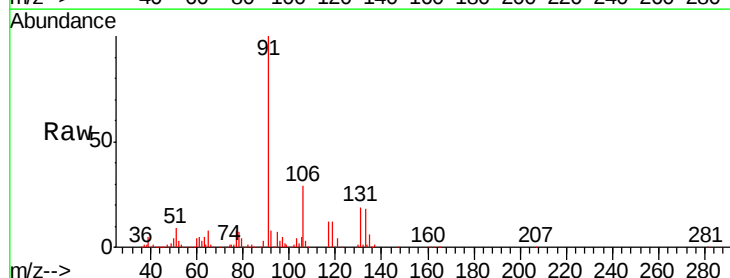
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

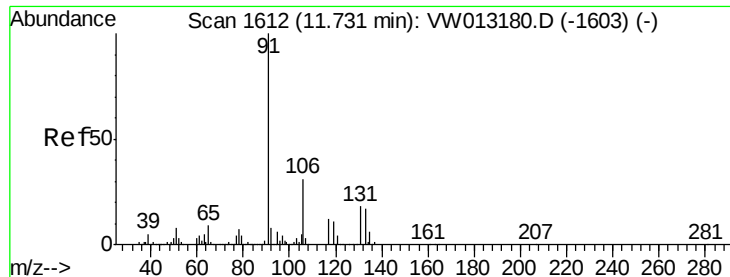
Tgt Ion:112 Resp: 183096
Ion Ratio Lower Upper
112 100
114 33.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.225 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion:131 Resp: 63430
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 64.2 32.5 97.5





#67

Ethyl Benzene

Concen: 20.634 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

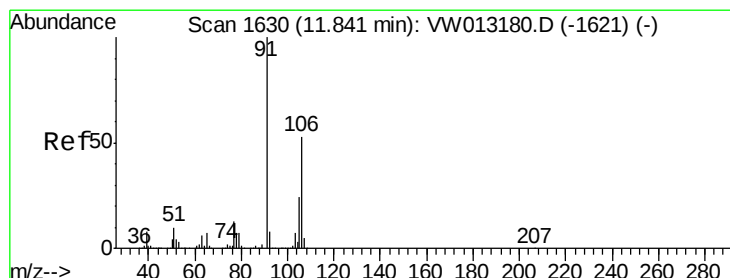
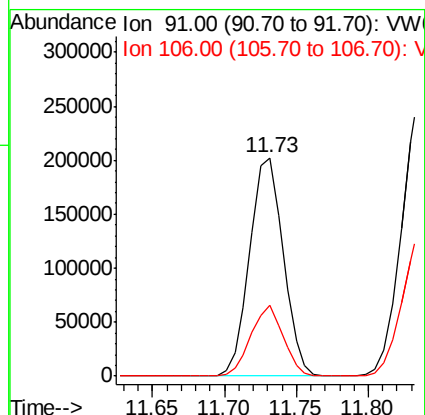
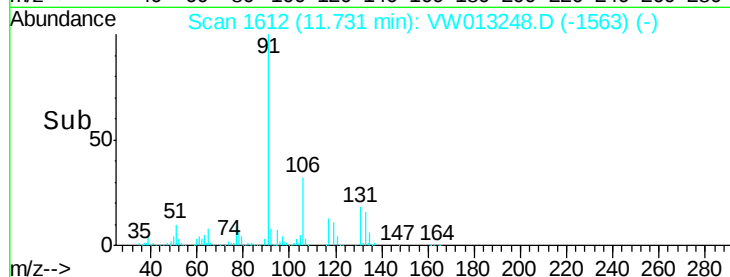
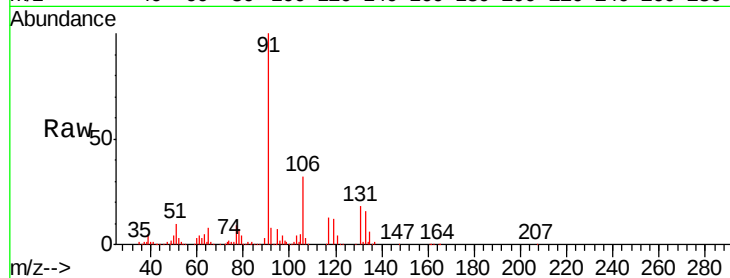
VW0923SBSD02

Tgt Ion: 91 Resp: 327045

Ion Ratio Lower Upper

91 100

106 32.4 24.9 37.3



#68

m/p-Xylenes

Concen: 42.253 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013248.D

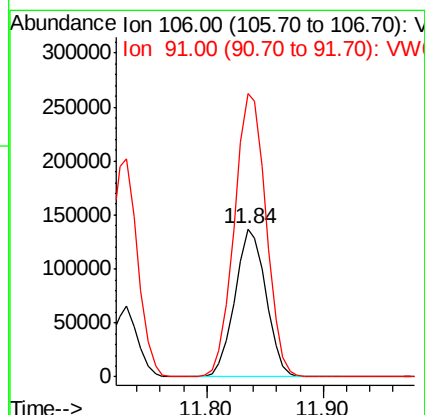
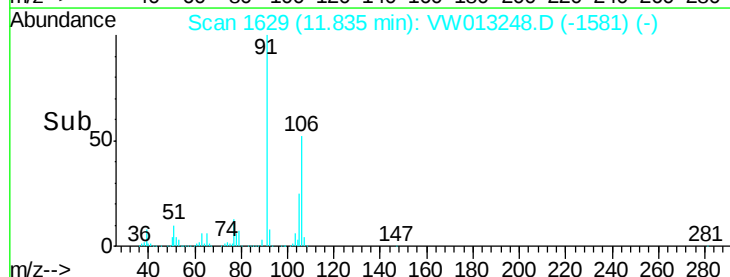
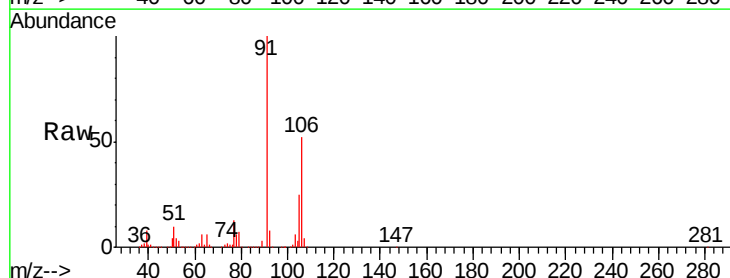
Acq: 24 Sep 2019 00:44

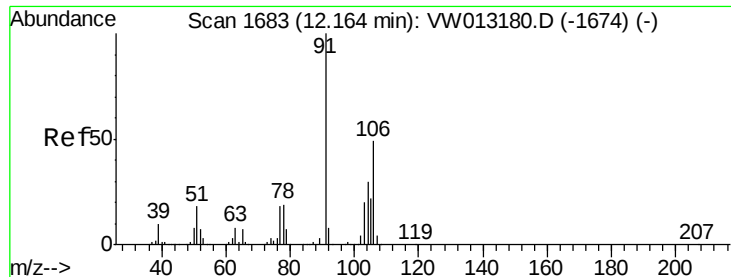
Tgt Ion: 106 Resp: 255195

Ion Ratio Lower Upper

106 100

91 195.4 157.9 236.9

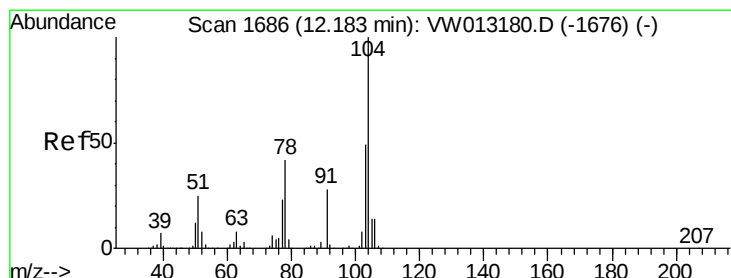
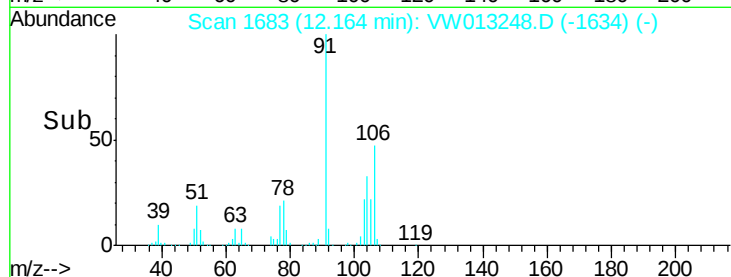
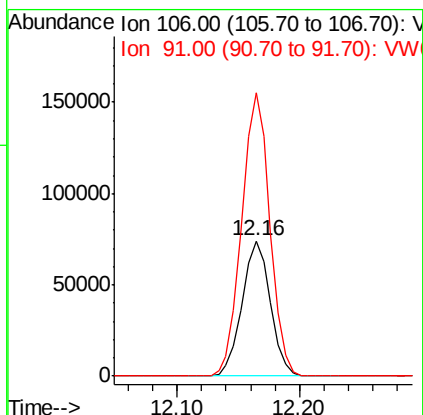
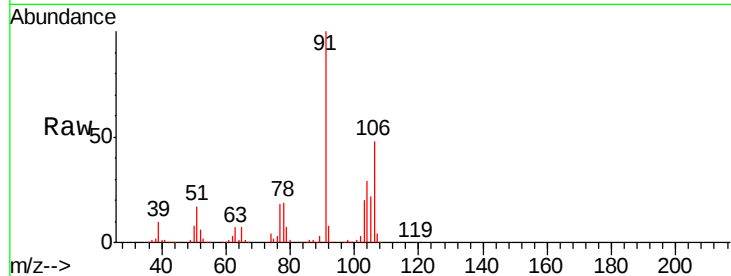




#69
o-Xylene
Concen: 21.123 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

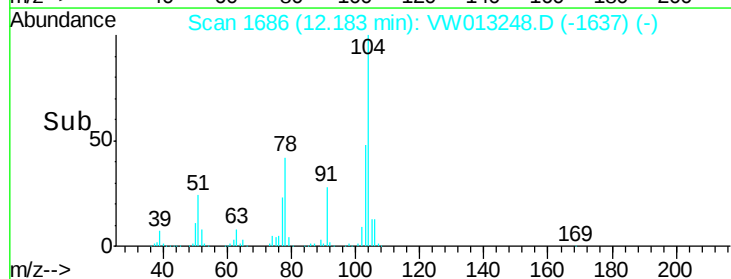
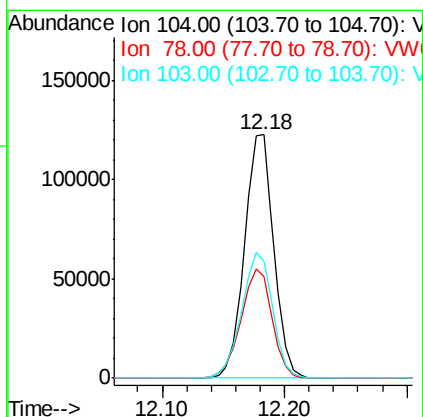
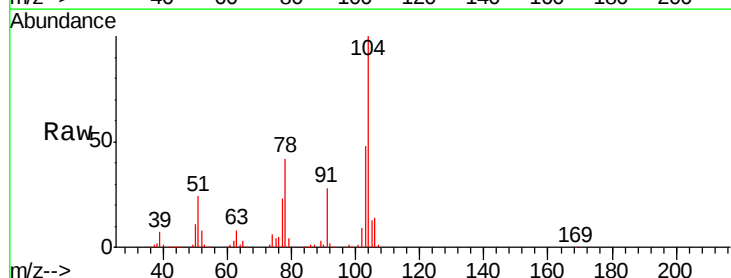
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD02

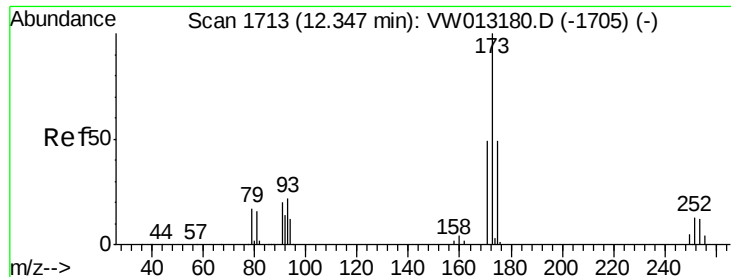
Tgt Ion:106 Resp: 118614
Ion Ratio Lower Upper
106 100
91 208.4 106.5 319.5



#70
Styrene
Concen: 21.126 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion:104 Resp: 203666
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 54.6 43.3 64.9





#71

Bromoform

Concen: 21.458 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

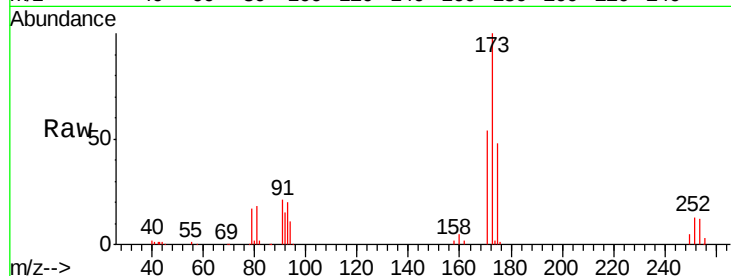
Tgt Ion:173 Resp: 33878

Ion Ratio Lower Upper

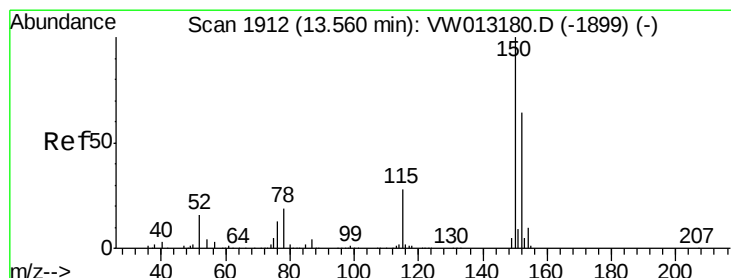
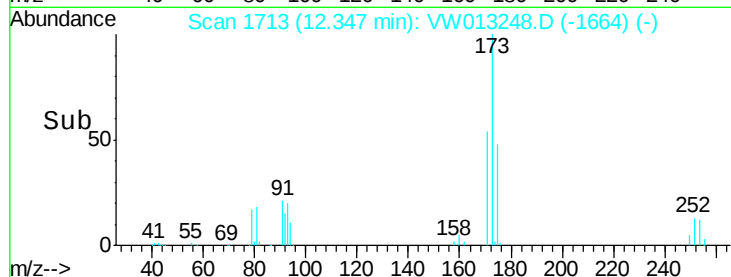
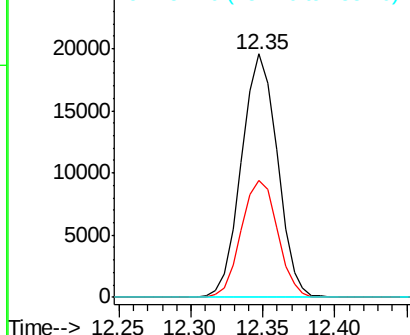
173 100

175 48.4 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

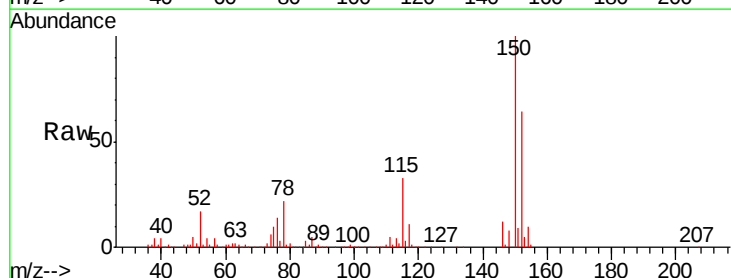
Tgt Ion:152 Resp: 217579

Ion Ratio Lower Upper

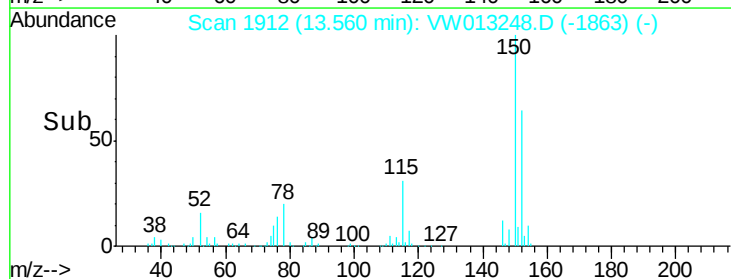
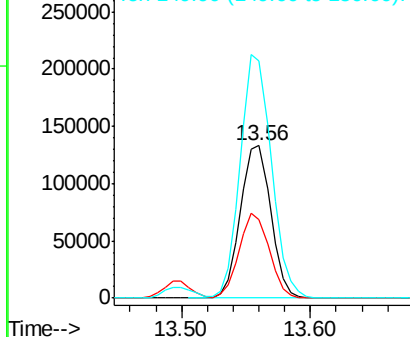
152 100

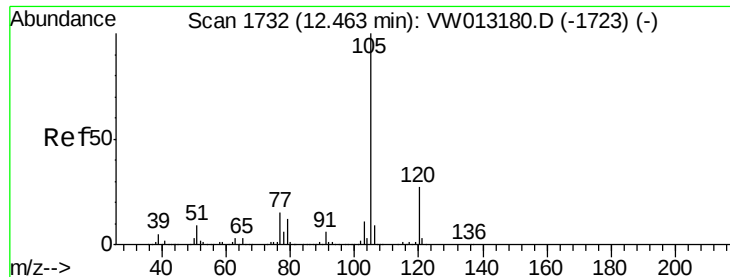
115 54.8 27.3 81.9

150 164.3 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: 20.210 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

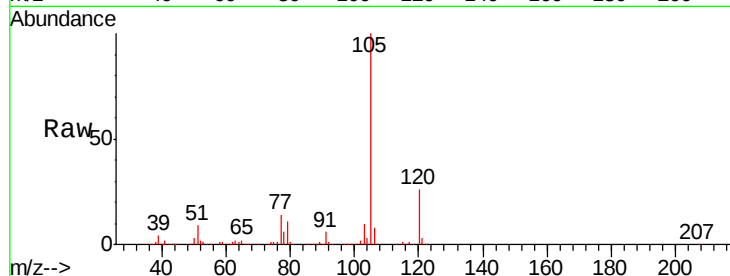
VW0923SBSD02

Tgt Ion:105 Resp: 324824

Ion Ratio Lower Upper

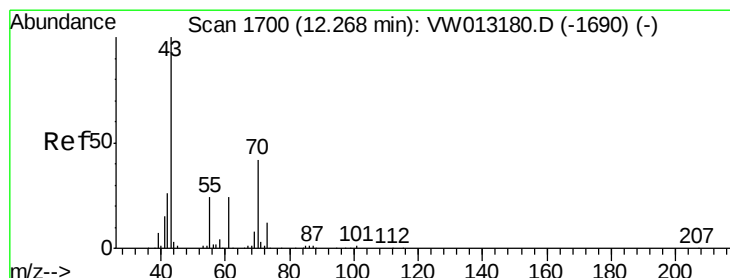
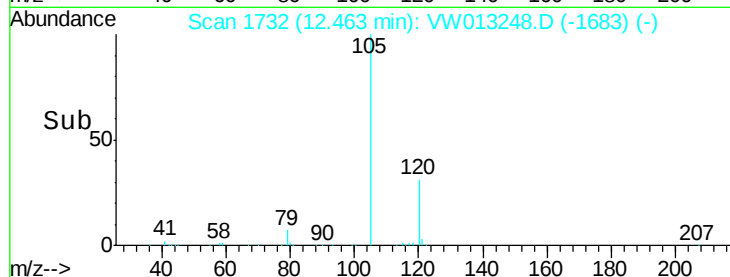
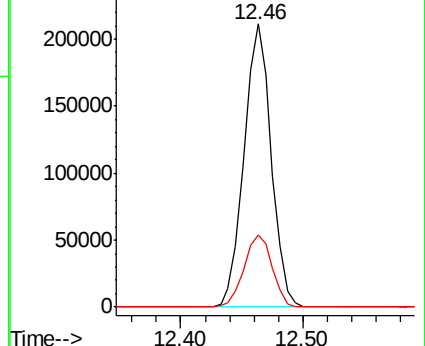
105 100

120 26.4 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: 21.424 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Tgt Ion: 43 Resp: 76410

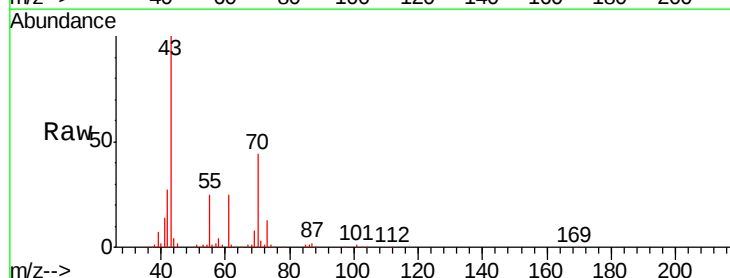
Ion Ratio Lower Upper

43 100

70 43.3 35.1 52.7

55 25.5 19.9 29.9

61 25.5 19.5 29.3

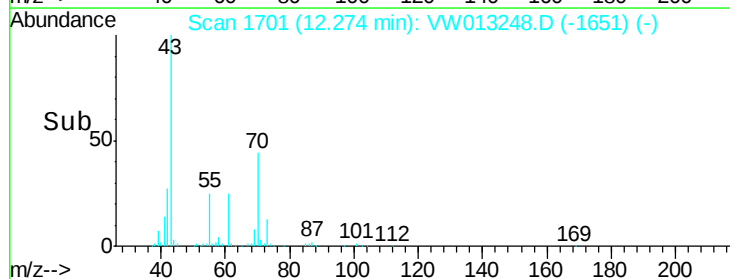
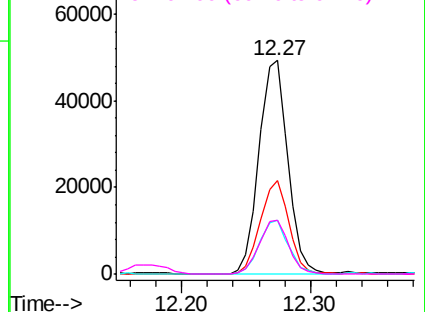


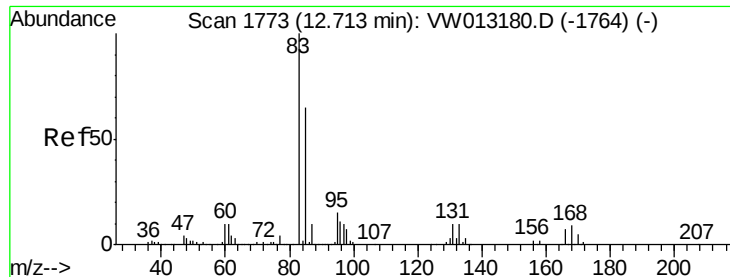
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.008 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

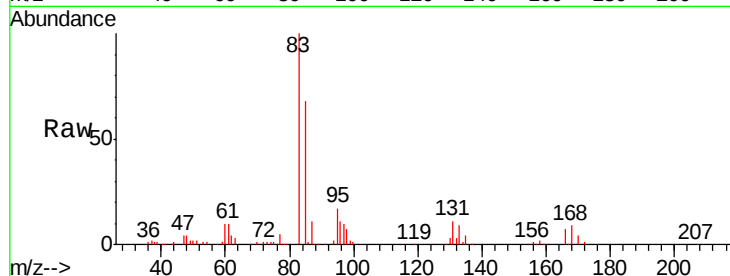
Tgt Ion: 83 Resp: 56471

Ion Ratio Lower Upper

83 100

131 11.8 5.4 16.2

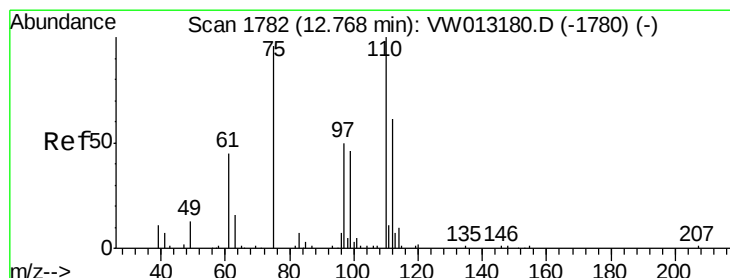
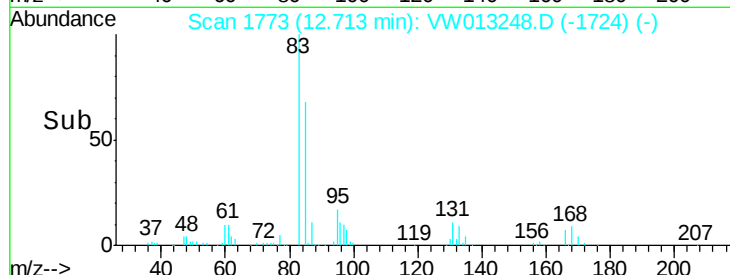
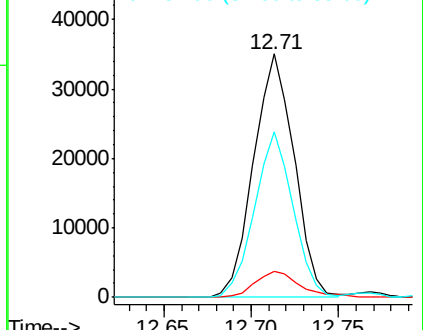
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.714 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013248.D

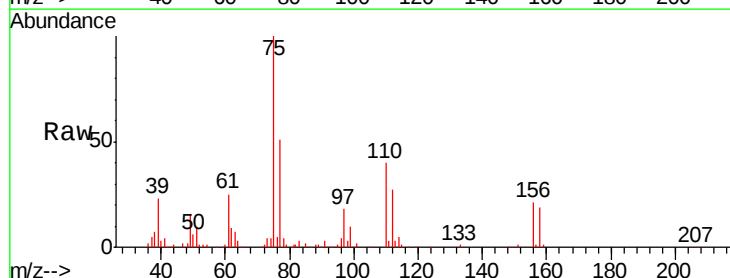
Acq: 24 Sep 2019 00:44

Tgt Ion: 75 Resp: 72467

Ion Ratio Lower Upper

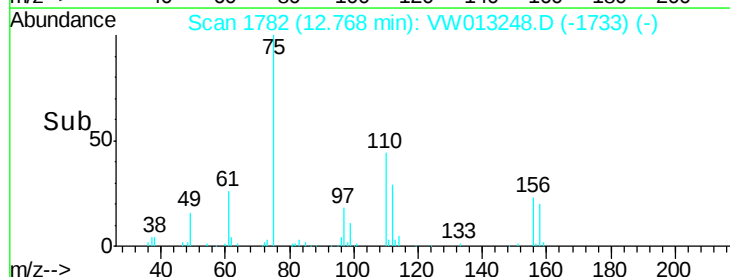
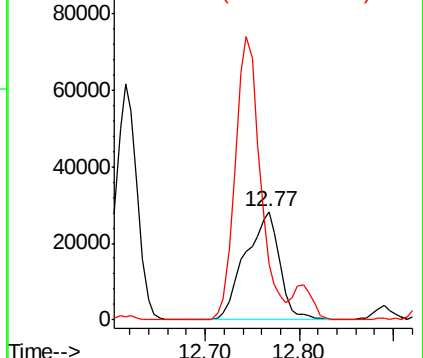
75 100

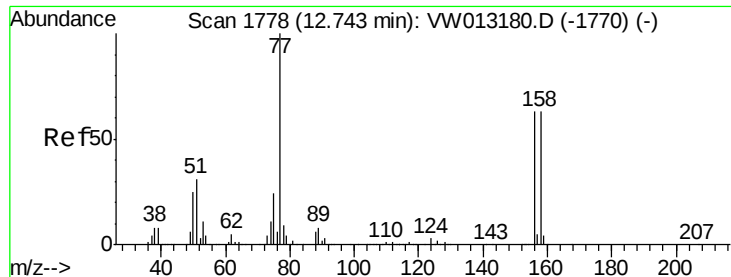
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.515 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

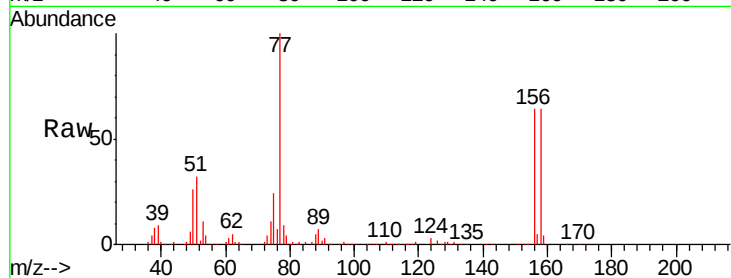
Tgt Ion:156 Resp: 78137

Ion Ratio Lower Upper

156 100

77 176.3 85.7 257.1

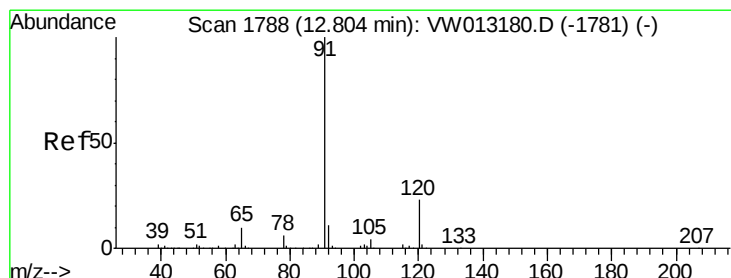
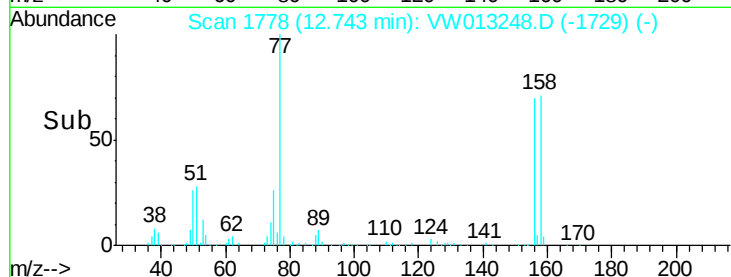
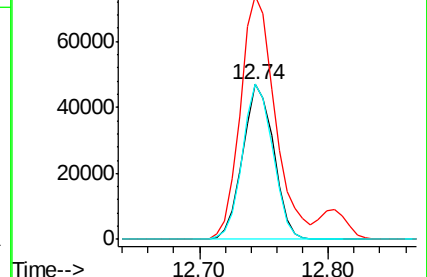
158 98.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.075 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013248.D

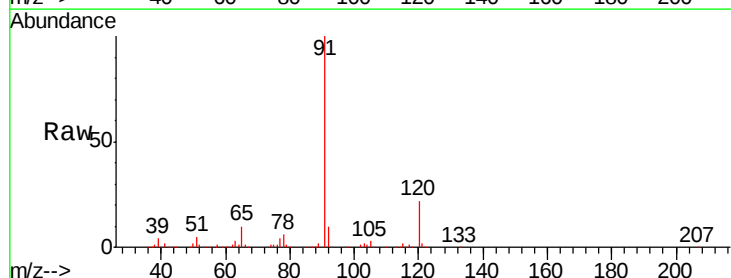
Acq: 24 Sep 2019 00:44

Tgt Ion: 91 Resp: 377681

Ion Ratio Lower Upper

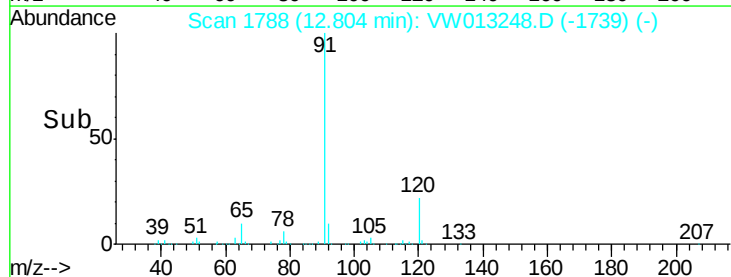
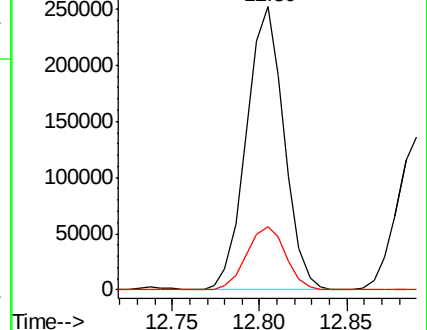
91 100

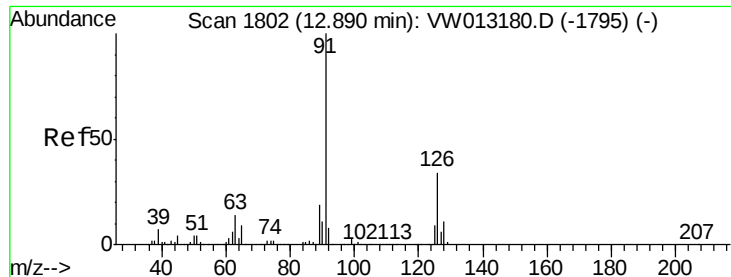
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.698 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

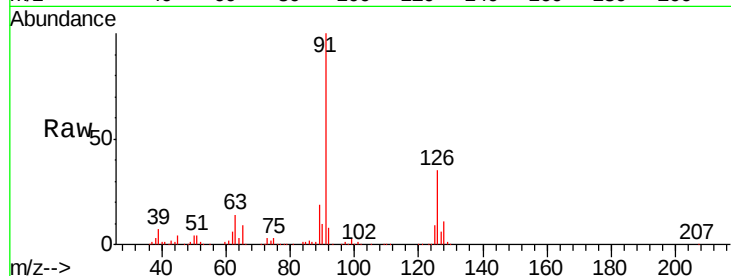
VW0923SBSD02

Tgt Ion: 91 Resp: 218157

Ion Ratio Lower Upper

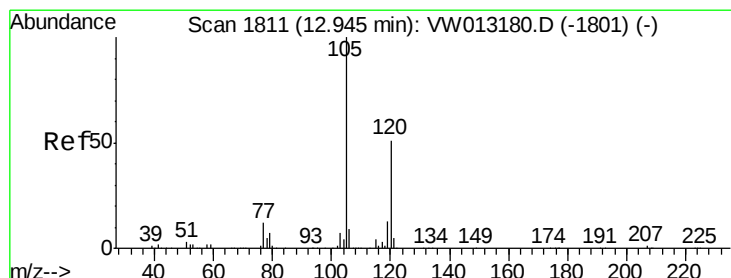
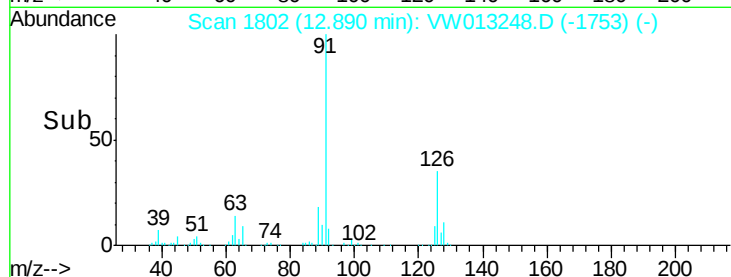
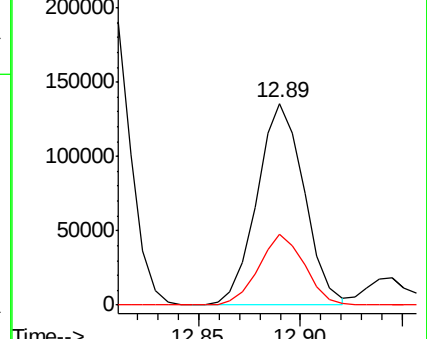
91 100

126 34.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.459 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013248.D

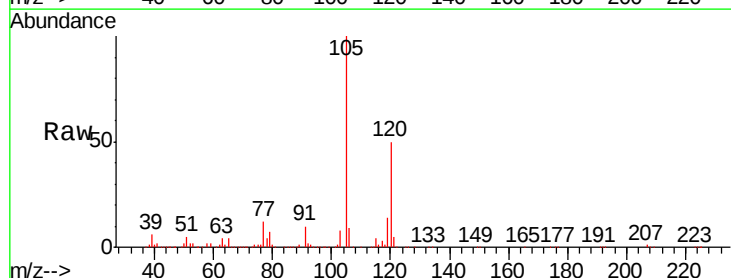
Acq: 24 Sep 2019 00:44

Tgt Ion: 105 Resp: 276420

Ion Ratio Lower Upper

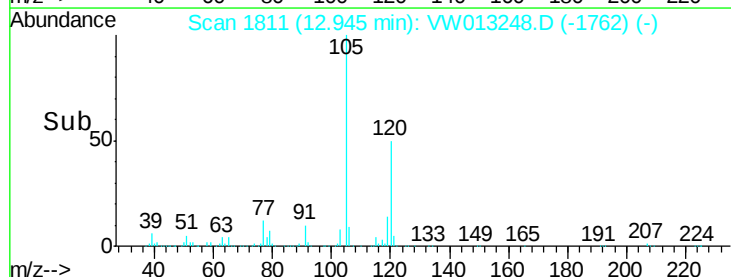
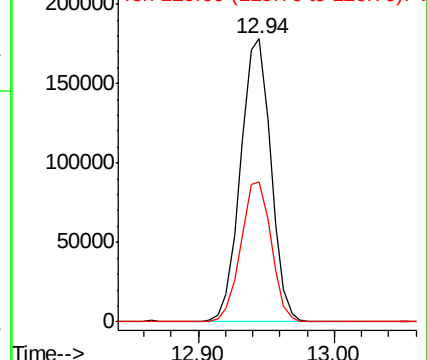
105 100

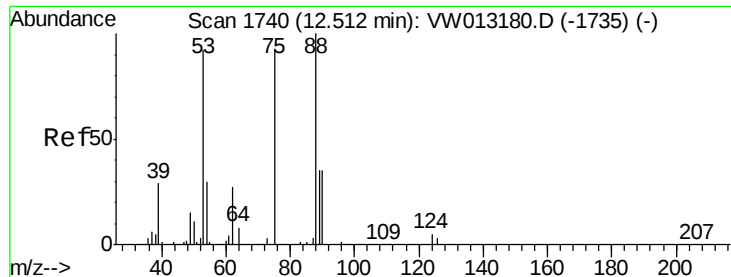
120 49.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.054 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

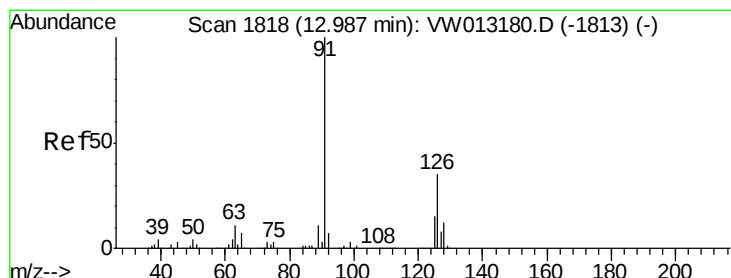
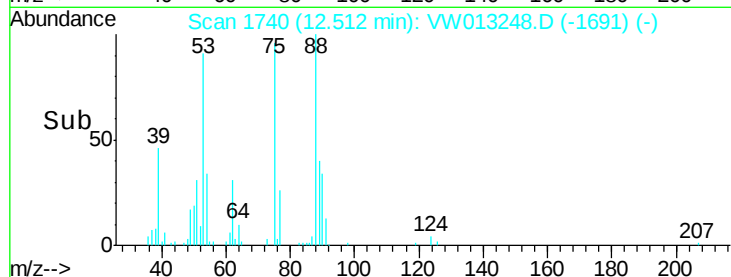
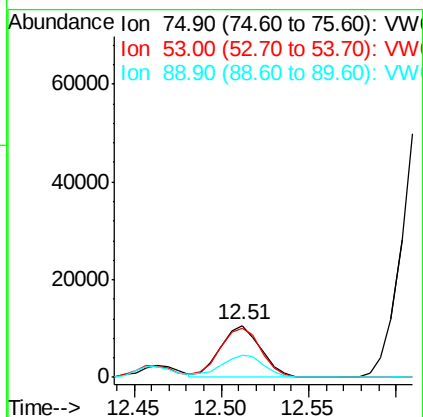
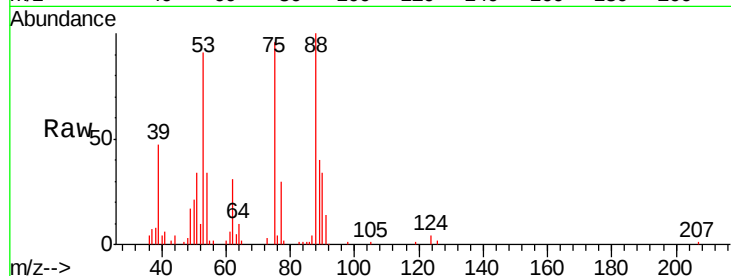
Tgt Ion: 75 Resp: 17173

Ion Ratio Lower Upper

75 100

53 97.2 76.6 114.8

89 44.3 33.5 50.3



#82

4-Chlorotoluene

Concen: 20.420 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013248.D

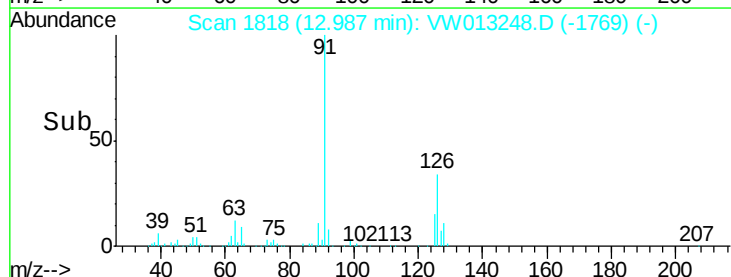
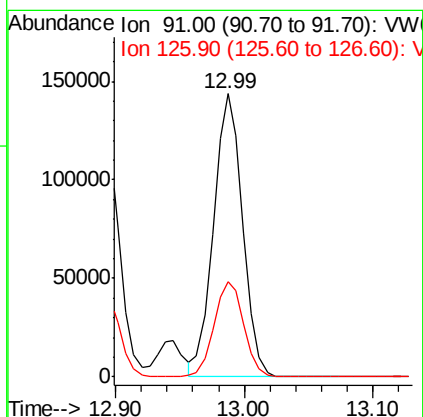
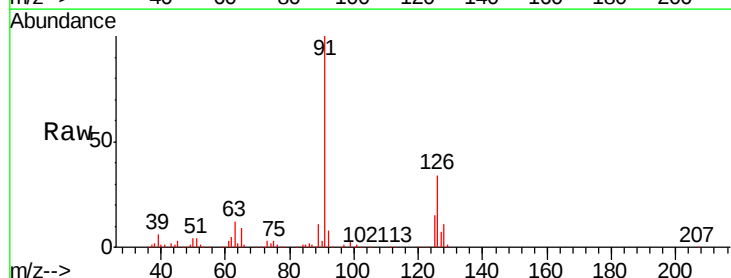
Acq: 24 Sep 2019 00:44

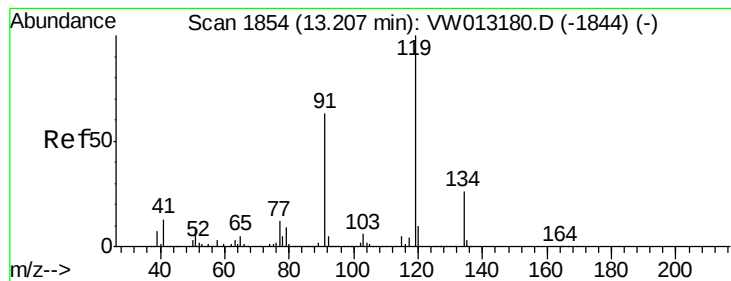
Tgt Ion: 91 Resp: 226966

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7





#83

tert-Butylbenzene

Concen: 20.374 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

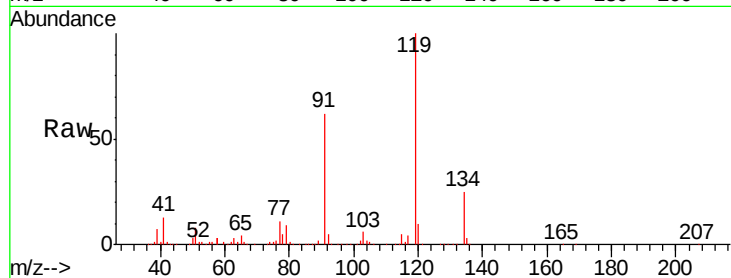
Tgt Ion:119 Resp: 241611

Ion Ratio Lower Upper

119 100

91 61.0 30.7 92.1

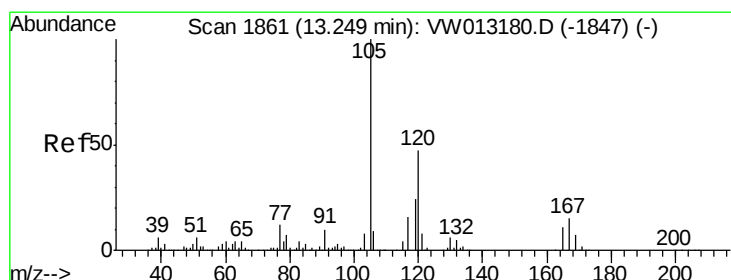
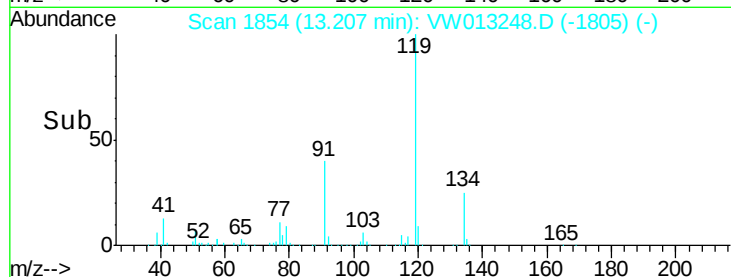
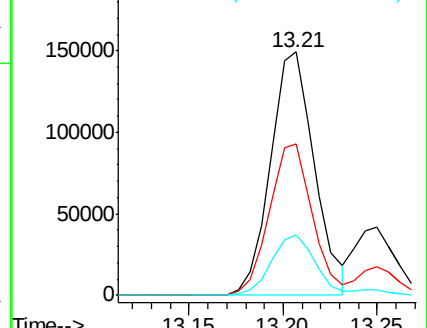
134 24.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.875 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013248.D

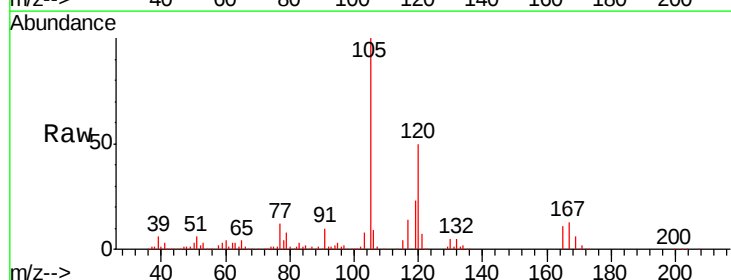
Acq: 24 Sep 2019 00:44

Tgt Ion:105 Resp: 280648

Ion Ratio Lower Upper

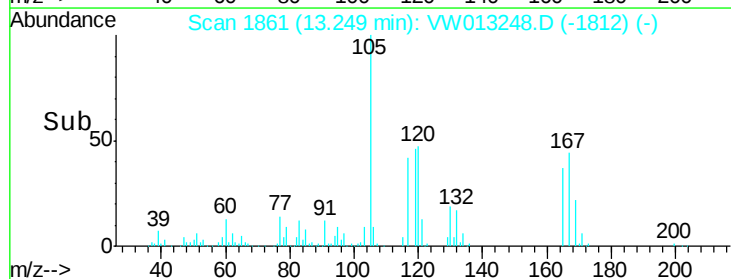
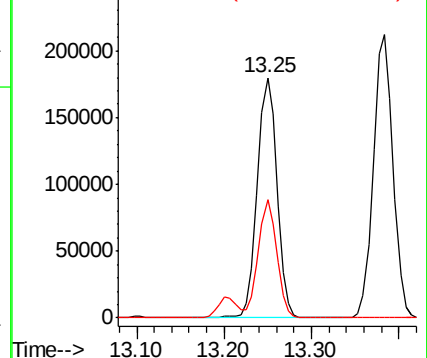
105 100

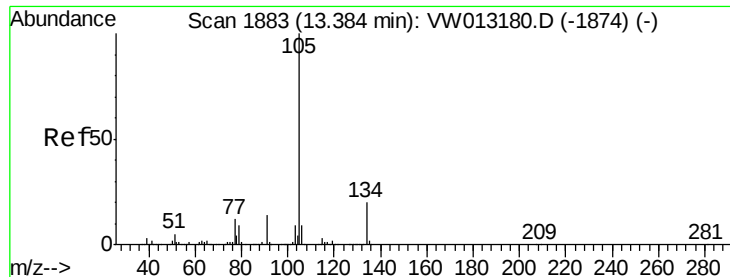
120 45.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

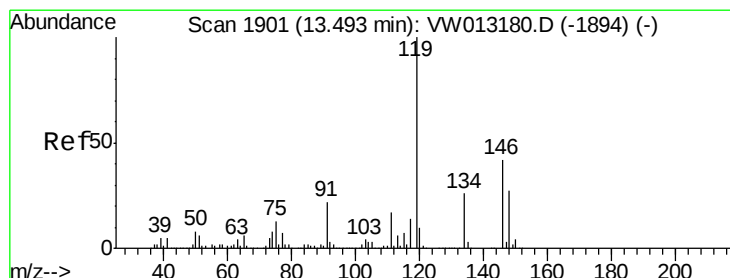
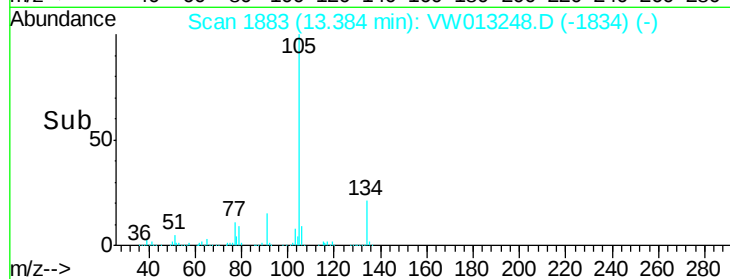
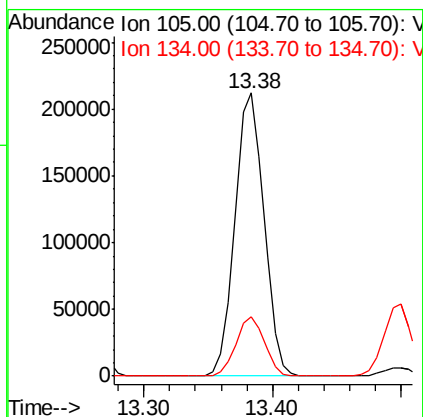
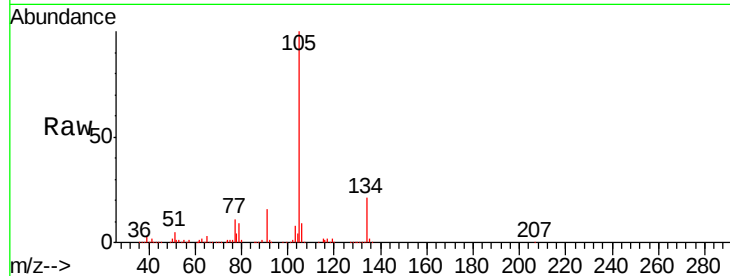




#85
 sec-Butylbenzene
 Concen: 20.307 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

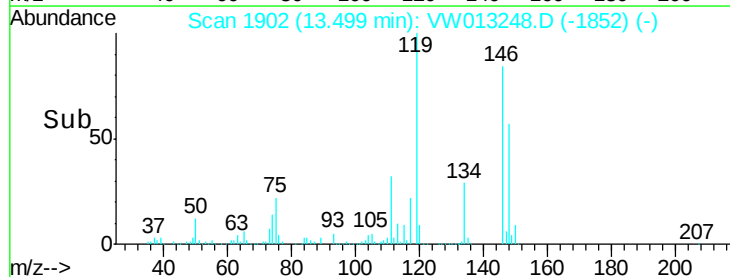
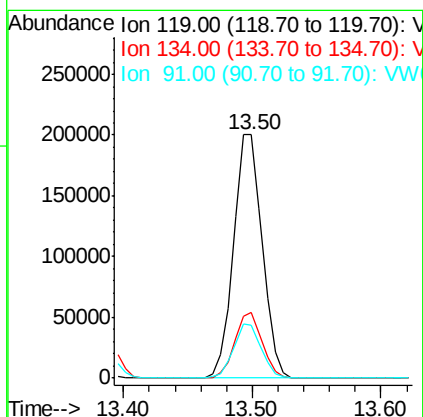
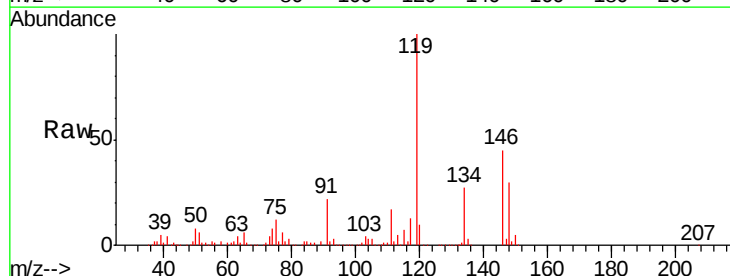
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

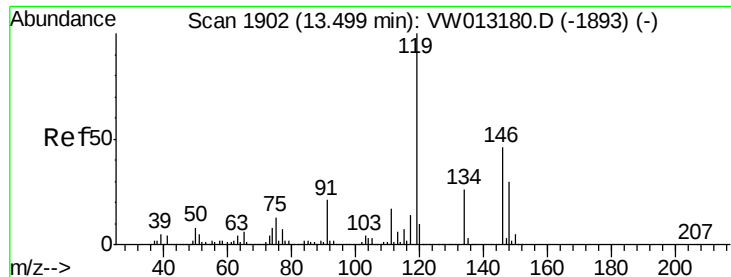
Tgt Ion:105 Resp: 332003
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.445 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion:119 Resp: 310031
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 21.5 10.8 32.4

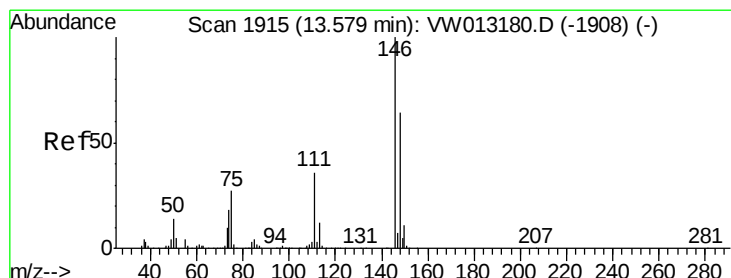
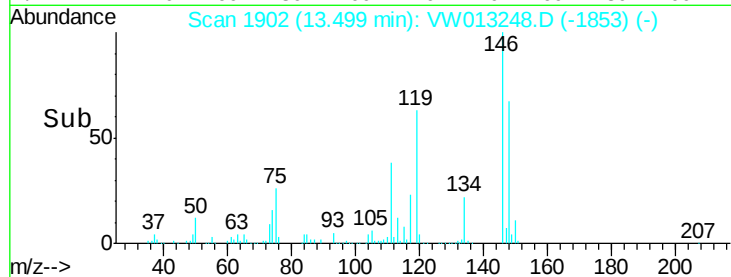
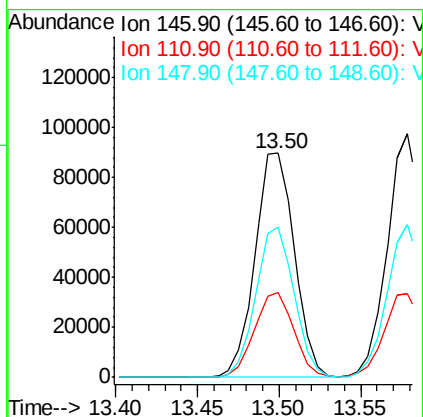
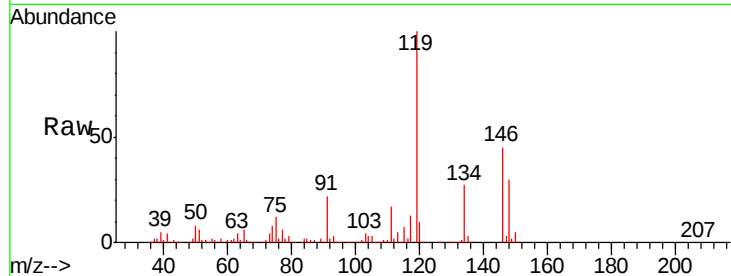




#87
 1,3-Dichlorobenzene
 Concen: 20.619 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

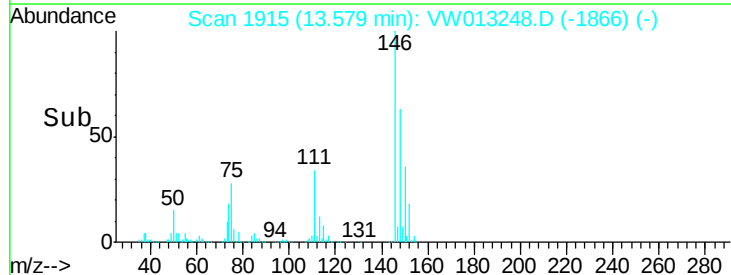
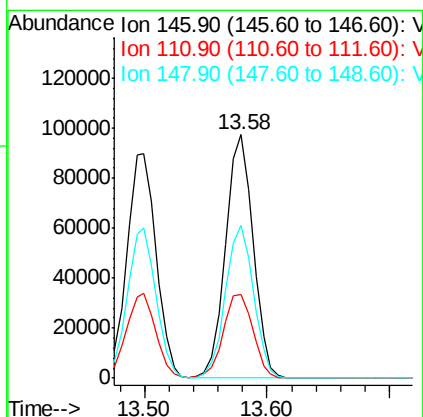
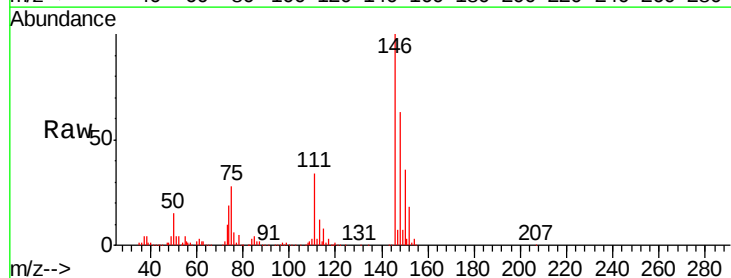
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

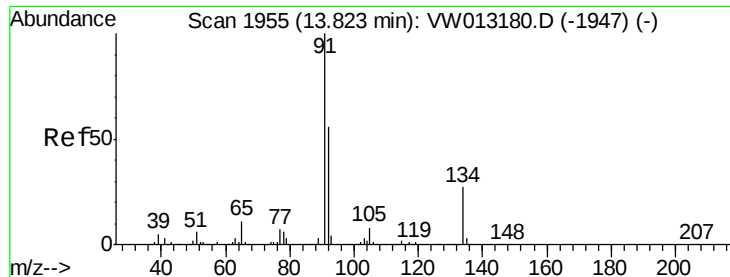
Tgt Ion:146 Resp: 151146
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 65.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.099 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion:146 Resp: 151686
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.0
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 20.088 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013248.D

Acq: 24 Sep 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD02

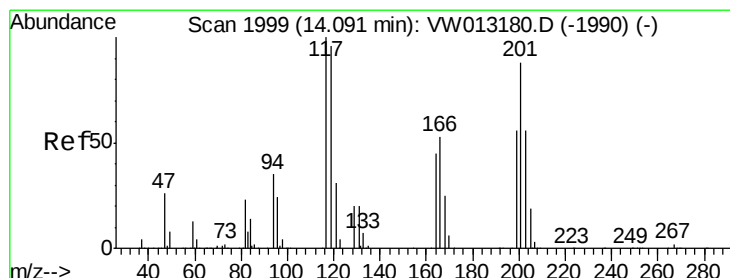
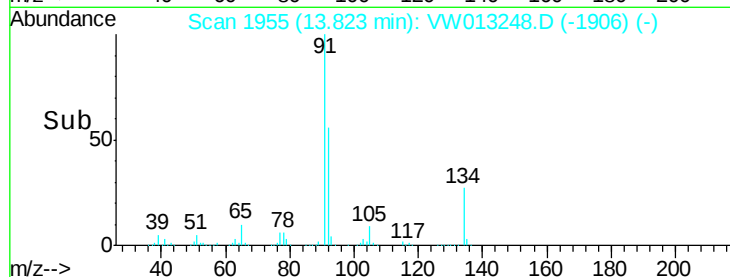
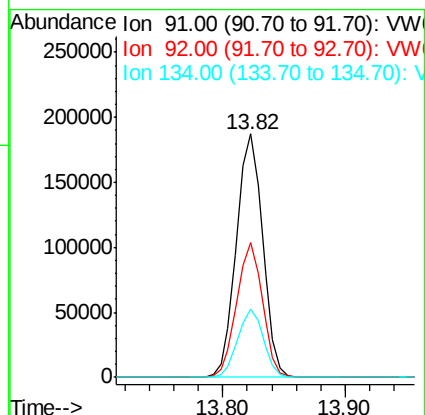
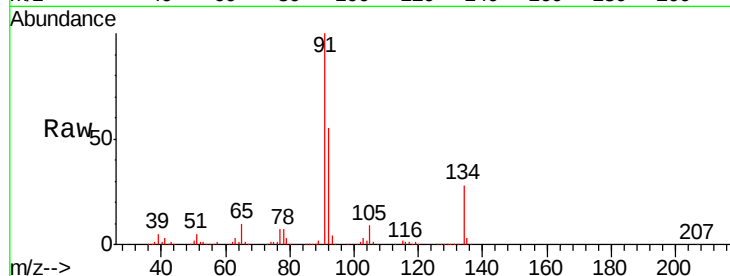
Tgt Ion: 91 Resp: 278146

Ion Ratio Lower Upper

91 100

92 54.2 27.6 82.8

134 27.4 13.7 41.1



#90

Hexachloroethane

Concen: 20.523 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013248.D

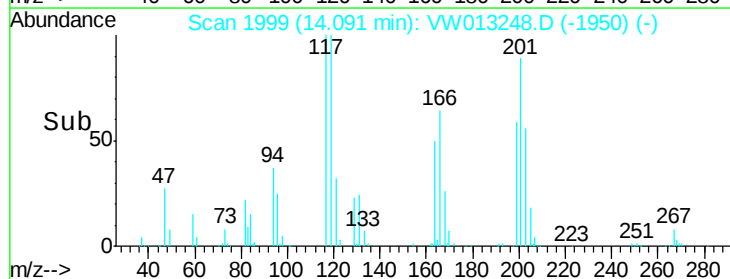
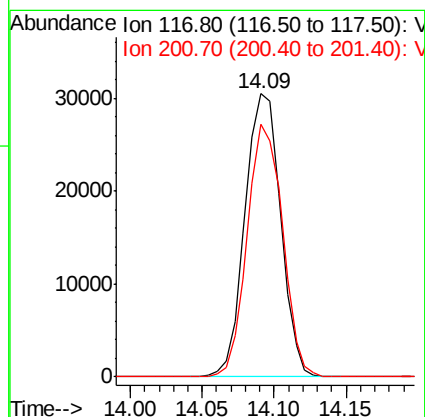
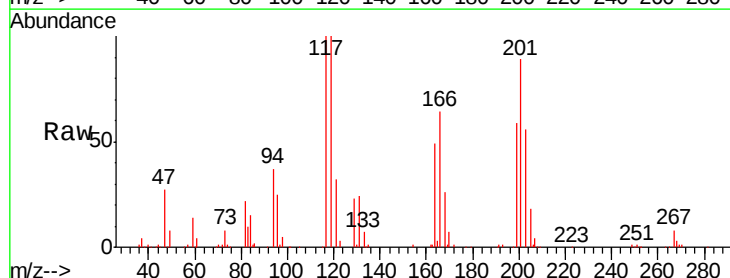
Acq: 24 Sep 2019 00:44

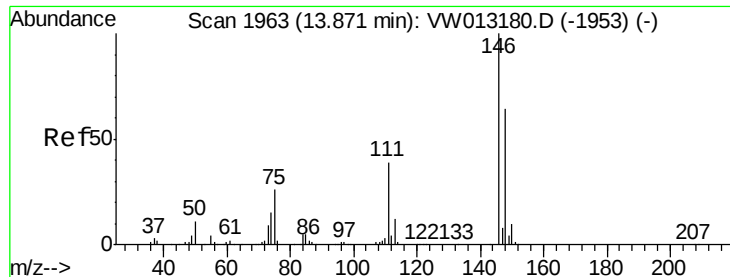
Tgt Ion: 117 Resp: 52282

Ion Ratio Lower Upper

117 100

201 88.4 44.5 133.5

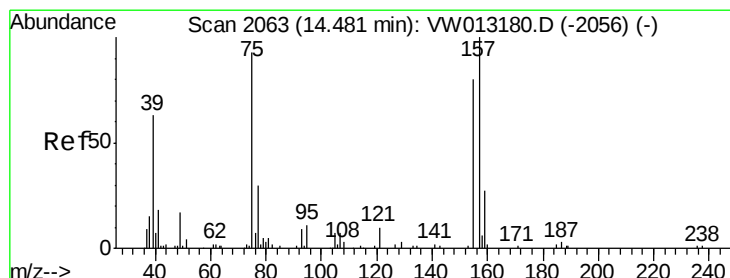
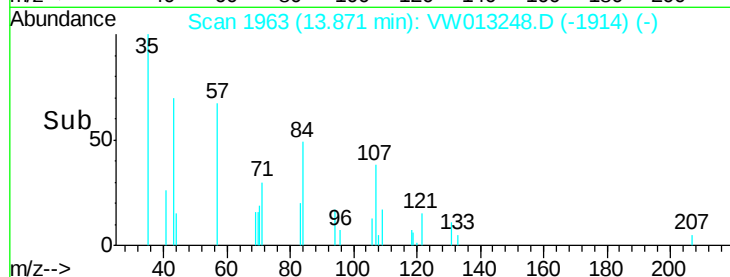
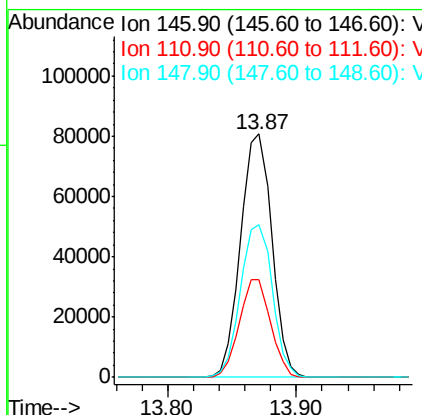
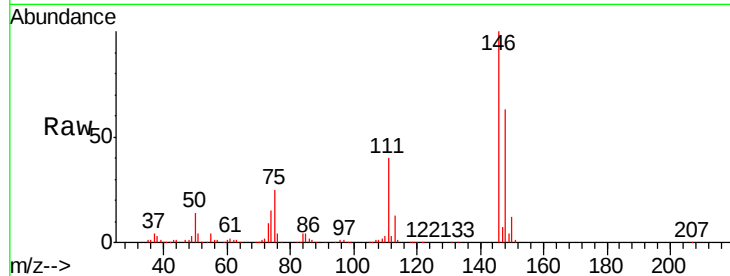




#91
 1,2-Dichlorobenzene
 Concen: 21.444 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

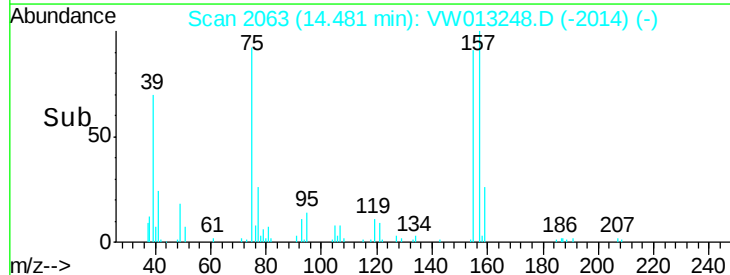
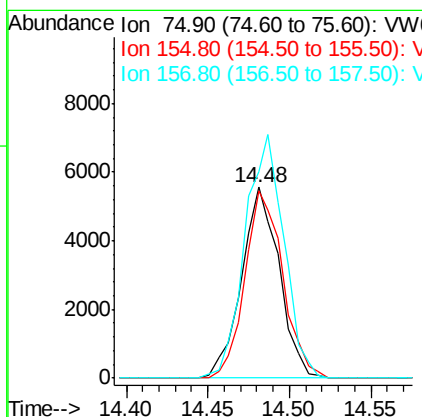
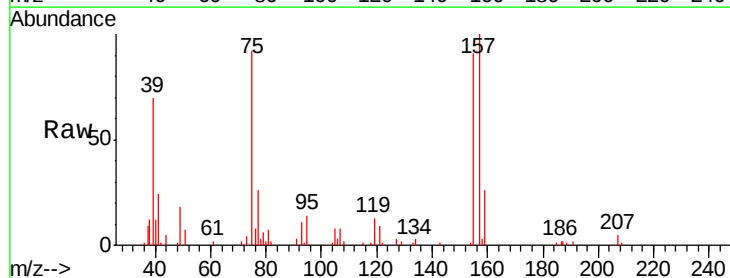
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0923SBSD02

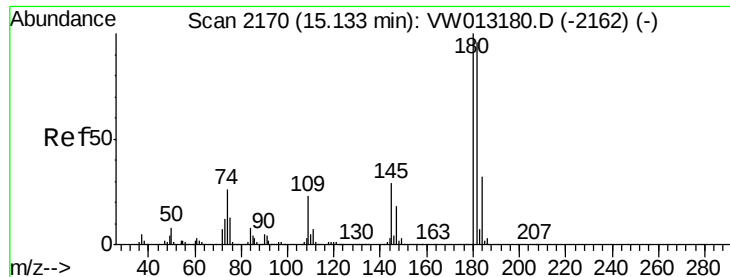
Tgt Ion: 146 Resp: 135993
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.3
 148 64.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.666 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion: 75 Resp: 8908
 Ion Ratio Lower Upper
 75 100
 155 99.0 46.1 138.3
 157 131.7 60.4 181.2

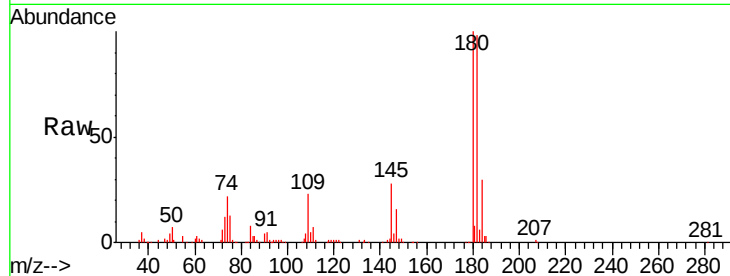




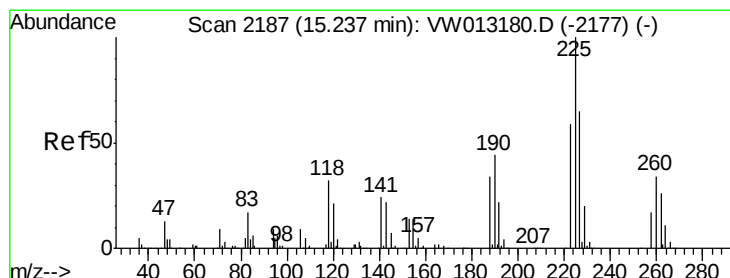
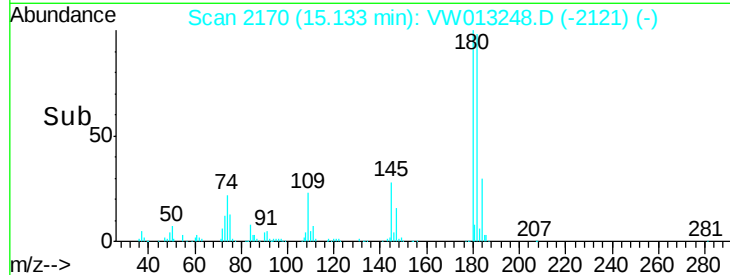
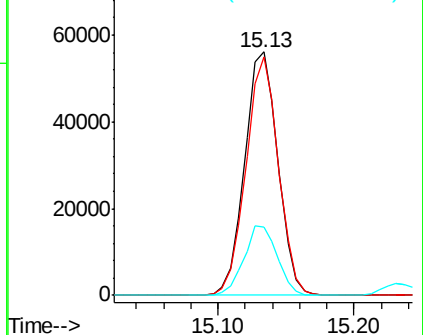
#93
 1,2,4-Trichlorobenzene
 Concen: 21.101 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

Tgt Ion:180 Resp: 95889
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 28.8 14.2 42.8

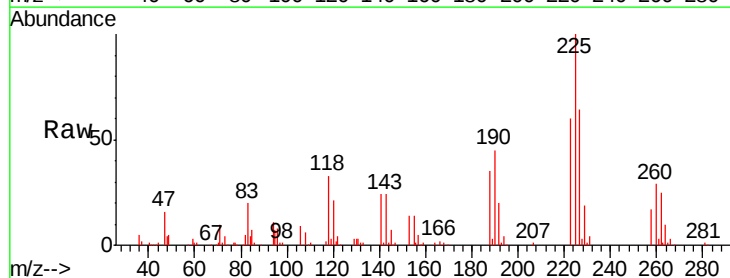


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

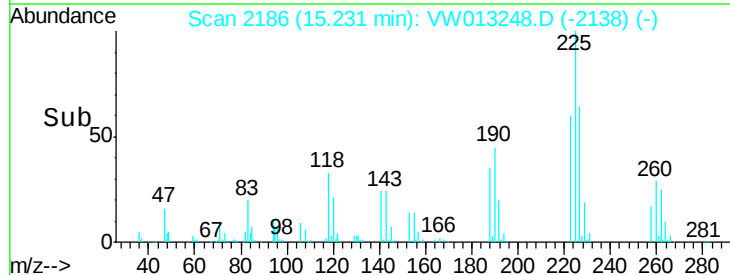
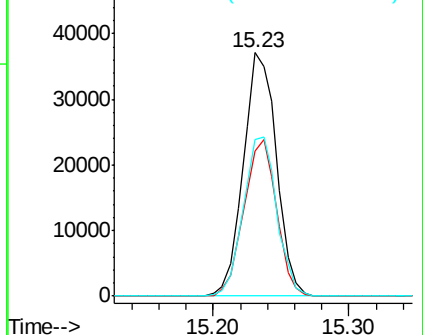


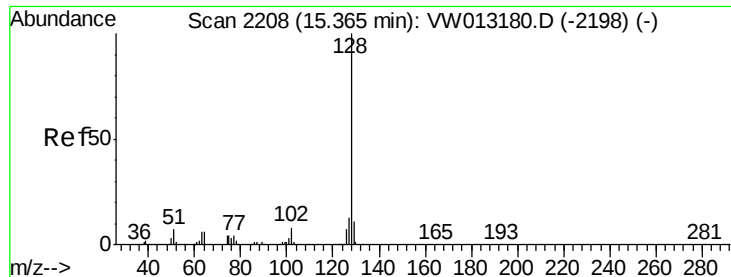
#94
 Hexachlorobutadiene
 Concen: 20.329 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013248.D
 Acq: 24 Sep 2019 00:44

Tgt Ion:225 Resp: 63200
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.6 91.8
 227 66.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

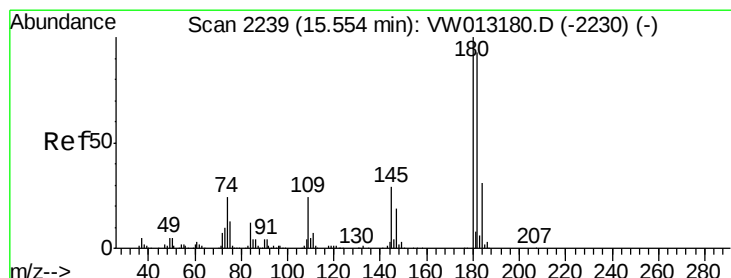
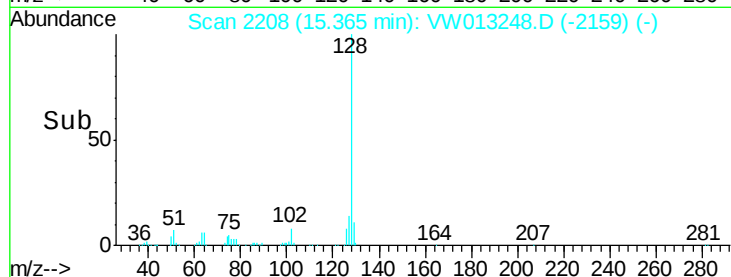
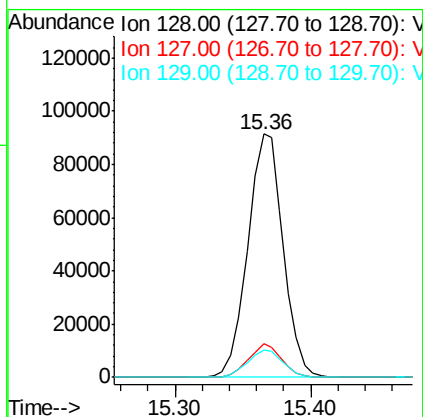
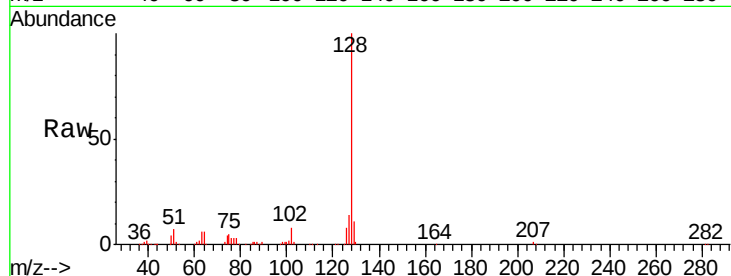




#95
Naphthalene
Concen: 22.375 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

Tgt Ion:128 Resp: 166296
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.706 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013248.D
Acq: 24 Sep 2019 00:44

Tgt Ion:180 Resp: 85230
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 30.0 15.0 45.0

