

Data File : VW013951.D
Acq On : 08 Nov 2019 18:03
Operator : SY/VA
Sample : K5742-12MSD
Misc : 5.83G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Quant Time: Nov 09 03:23:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124123	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.88	113	130183	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	10.32	98	540601	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	181868	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77718	48.978	ug/l	99
3) Chloromethane	2.21	50	83800	49.140	ug/l	97
4) Vinyl Chloride	2.37	62	133919	51.999	ug/l	99
5) Bromomethane	2.78	94	85382	50.409	ug/l	98
6) Chloroethane	2.92	64	84709	54.357	ug/l	96
7) Trichlorofluoromethane	3.26	101	88515	55.025	ug/l	94
8) Diethyl Ether	3.68	74	71713	55.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	127932	48.920	ug/l	98
10) Methyl Iodide	4.27	142	220074	51.643	ug/l	99
11) Tert butyl alcohol	5.16	59	46527	344.937	ug/l	99
12) 1,1-Dichloroethene	4.04	96	136918	50.686	ug/l	95
13) Acrolein	3.89	56	33425	216.296	ug/l	95
14) Allyl chloride	4.67	41	219468	52.837	ug/l	98
15) Acrylonitrile	5.36	53	148380	280.777	ug/l	98
16) Acetone	4.12	43	125884	262.762	ug/l	96
17) Carbon Disulfide	4.38	76	376371	48.515	ug/l	98
18) Methyl Acetate	4.67	43	93745	71.383	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	185899	57.348	ug/l	98
20) Methylene Chloride	4.92	84	151102	58.094	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147212	50.634	ug/l	99
22) Diisopropyl ether	6.31	45	425202	56.119	ug/l	98
23) Vinyl Acetate	6.25	43	969948	220.627	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250434	52.190	ug/l	99
25) 2-Butanone	7.16	43	188127	273.135	ug/l	92
26) 2,2-Dichloropropane	7.16	77	136831	49.313	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	160755	52.056	ug/l	98
28) Bromochloromethane	7.51	49	91719	53.551	ug/l #	100
29) Tetrahydrofuran	7.52	42	126151	295.838	ug/l	99
30) Chloroform	7.68	83	242514	51.125	ug/l	97
31) Cyclohexane	7.95	56	238311	47.456	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193564	51.999	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199557	48.118	ug/l	98
37) Ethyl Acetate	7.24	43	80875	50.943	ug/l	100
38) Carbon Tetrachloride	8.07	117	176508	47.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259286	48.413	ug/l	98
40) Benzene	8.32	78	579429	49.369	ug/l	99
41) Methacrylonitrile	7.48	41	47446	47.926	ug/l	98
42) 1,2-Dichloroethane	8.40	62	146241	49.446	ug/l	99
43) Isopropyl Acetate	8.42	43	163764	53.891	ug/l	98
44) Trichloroethene	9.09	130	165503	49.228	ug/l	97
45) 1,2-Dichloropropane	9.37	63	142830	50.949	ug/l	99
46) Dibromomethane	9.46	93	67920	49.917	ug/l	99
47) Bromodichloromethane	9.64	83	173994	49.422	ug/l	96
48) Methyl methacrylate	9.43	41	78147	51.858	ug/l	93
49) 1,4-Dioxane	9.45	88	25329	1259.753	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	412053	272.876	ug/l	99
52) Toluene	10.38	92	380799	50.299	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	182670	51.254	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222989	50.712	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102981	50.784	ug/l	97
56) Ethyl methacrylate	10.65	69	133824	52.747	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179662	51.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	327985	280.893	ug/l	100
59) 2-Hexanone	10.97	43	285431	274.186	ug/l	98
60) Dibromochloromethane	11.13	129	118260	49.118	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96787	50.450	ug/l	100
64) Tetrachloroethene	10.86	164	138476	47.592	ug/l	99
65) Chlorobenzene	11.66	112	385295	49.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	138380	50.667	ug/l	98
67) Ethyl Benzene	11.73	91	706140	50.042	ug/l	100
68) m/p-Xylenes	11.84	106	549201	100.737	ug/l	98
69) o-Xylene	12.16	106	252559	50.399	ug/l	99
70) Styrene	12.18	104	434381	50.451	ug/l	98
71) Bromoform	12.35	173	71403	49.819	ug/l	96
73) Isopropylbenzene	12.46	105	707723	51.849	ug/l	100
74) N-amyl acetate	12.27	43	136974	51.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116218	53.955	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	144198	105.640	ug/l #	100
77) Bromobenzene	12.74	156	167166	51.266	ug/l	98
78) n-propylbenzene	12.80	91	806113	51.024	ug/l	100
79) 2-Chlorotoluene	12.89	91	455596	51.315	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	594608	51.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37840	52.390	ug/l	99
82) 4-Chlorotoluene	12.99	91	468807	50.296	ug/l	98
83) tert-Butylbenzene	13.21	119	525167	51.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	598619	52.665	ug/l	99
85) sec-Butylbenzene	13.38	105	712631	50.952	ug/l	98
86) p-Isopropyltoluene	13.50	119	662907	50.881	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	315630	49.959	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312093	49.725	ug/l	99
89) n-Butylbenzene	13.82	91	593849	50.498	ug/l	100
90) Hexachloroethane	14.09	117	111247	49.125	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	279427	51.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17918	55.011	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110819\
Quantitation Report (Not Reviewed)

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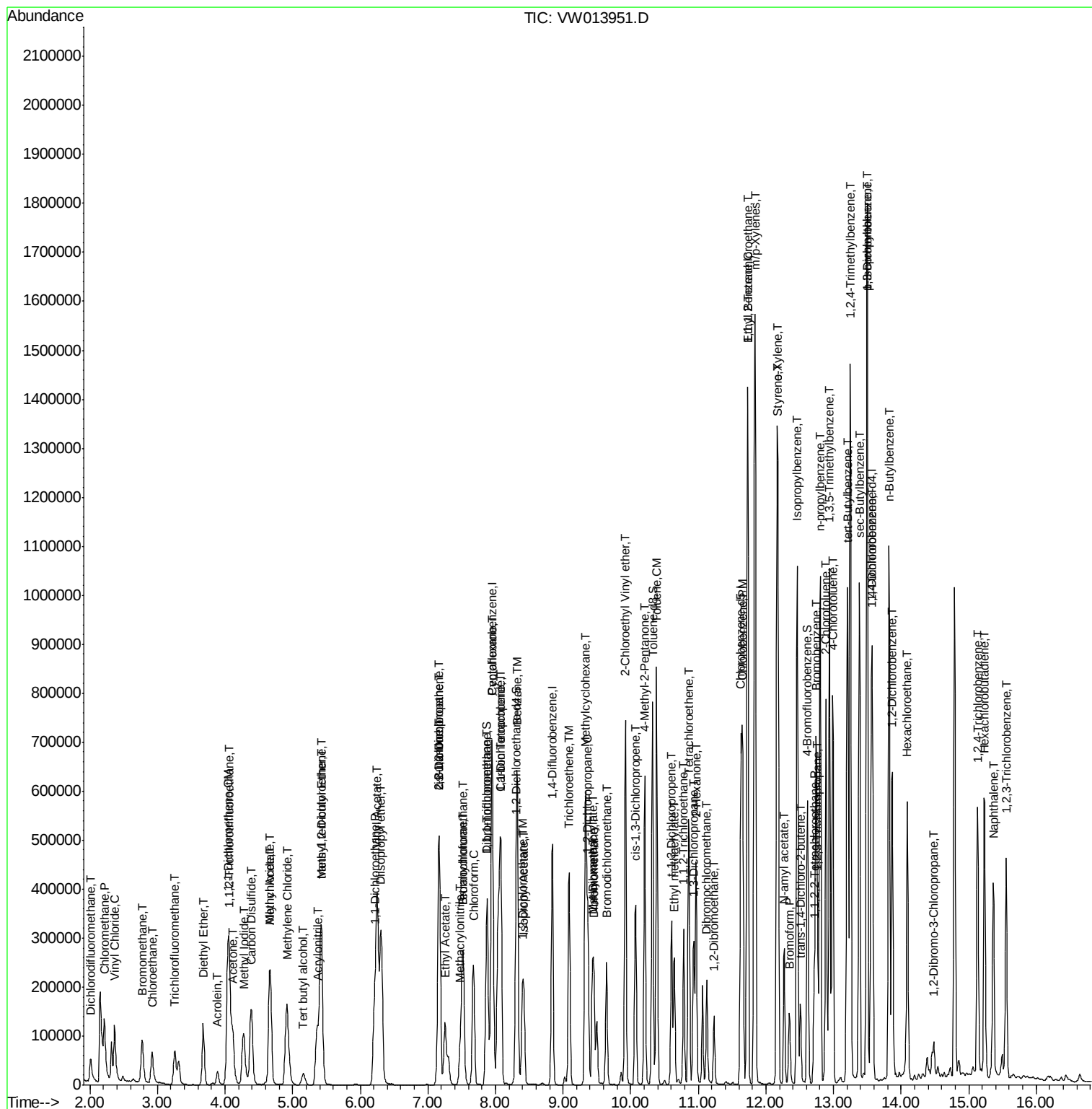
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	202772	50.863	ug/l	100
94) Hexachlorobutadiene	15.24	225	133778	49.707	ug/l	98
95) Naphthalene	15.36	128	365073	58.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	173748	50.579	ug/l	99

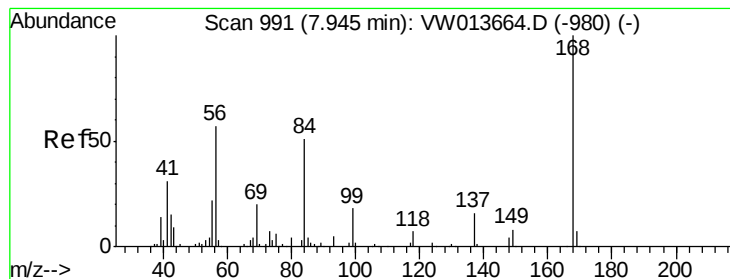
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

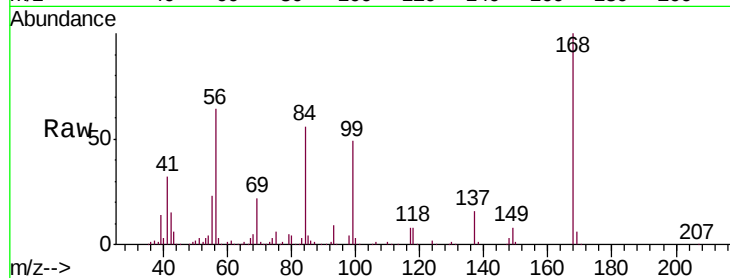
SB-38-(2-4)MSD

Tgt Ion:168 Resp: 301198

Ion Ratio Lower Upper

168 100

99 48.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

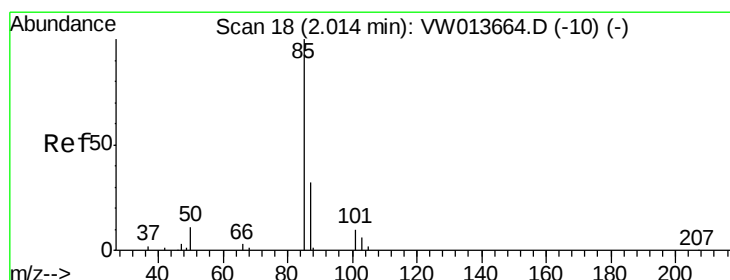
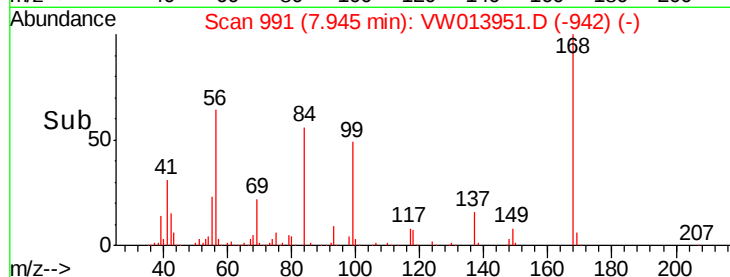
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.978 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013951.D

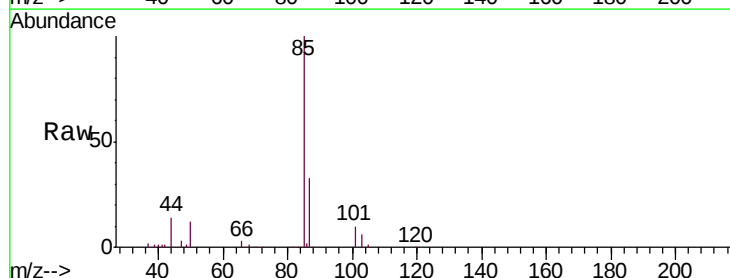
Acq: 08 Nov 2019 18:03

Tgt Ion: 85 Resp: 77718

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

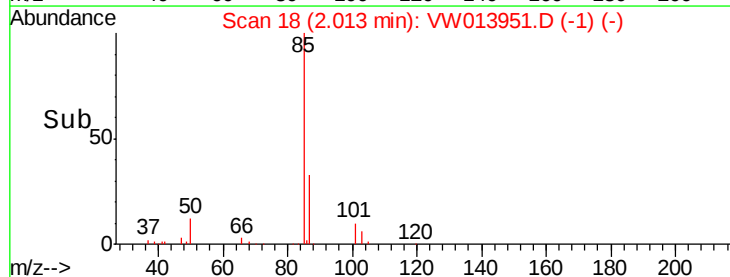
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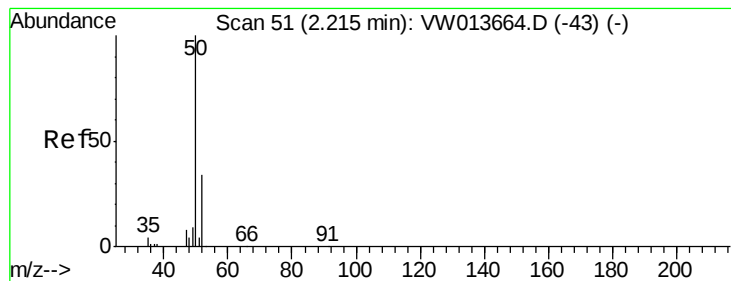
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.140 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

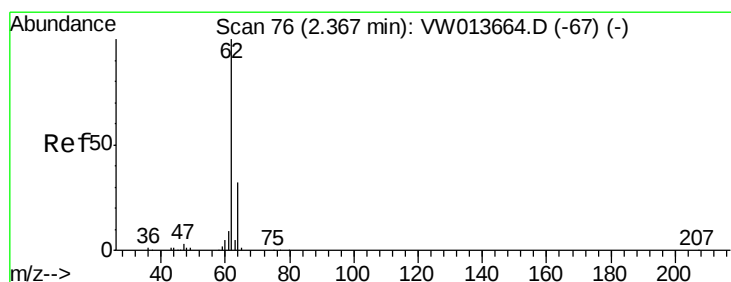
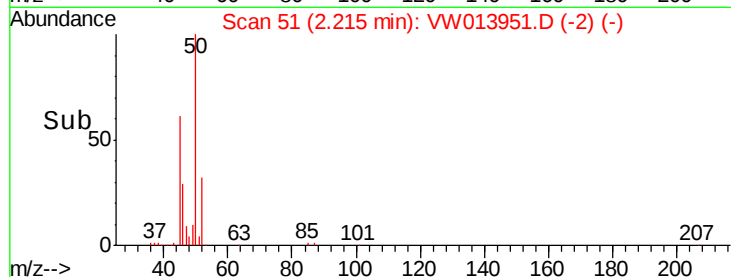
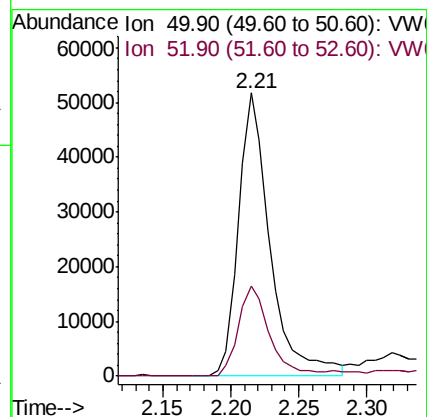
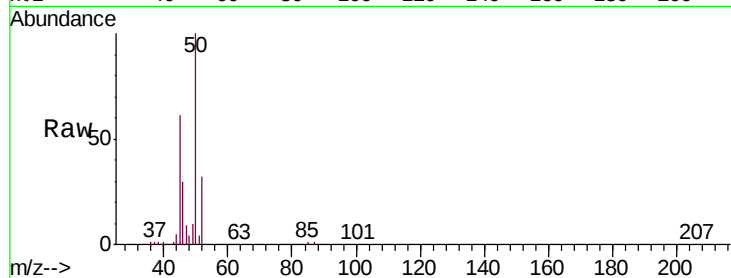
SB-38-(2-4)MSD

Tgt Ion: 50 Resp: 83800

Ion Ratio Lower Upper

50 100

52 31.8 26.9 40.3



#4

Vinyl Chloride

Concen: 51.999 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013951.D

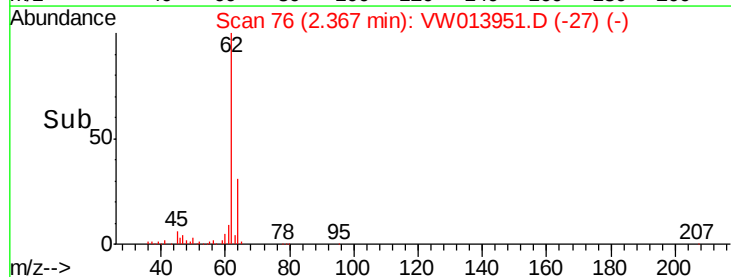
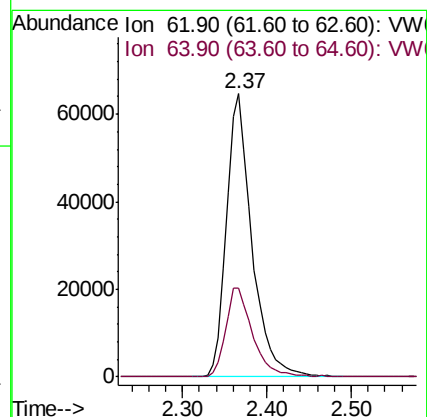
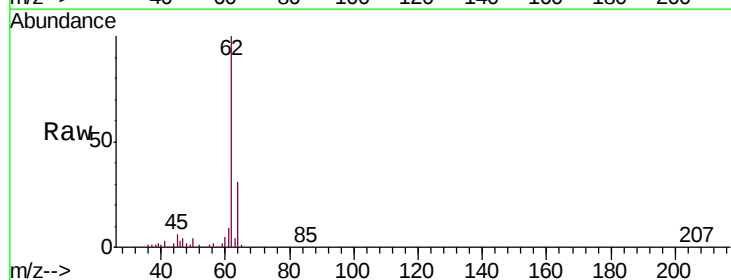
Acq: 08 Nov 2019 18:03

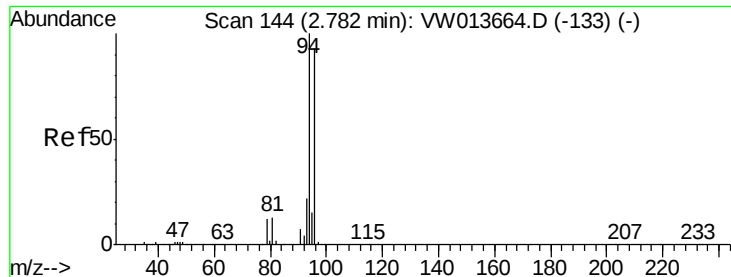
Tgt Ion: 62 Resp: 133919

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 50.409 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

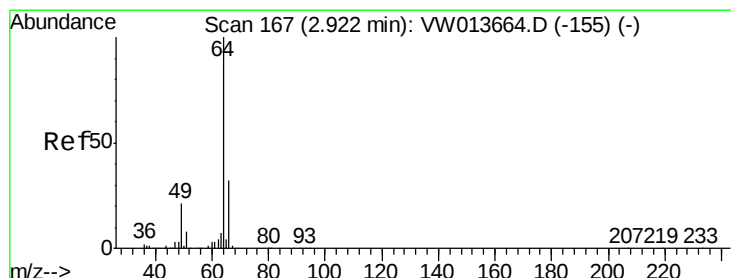
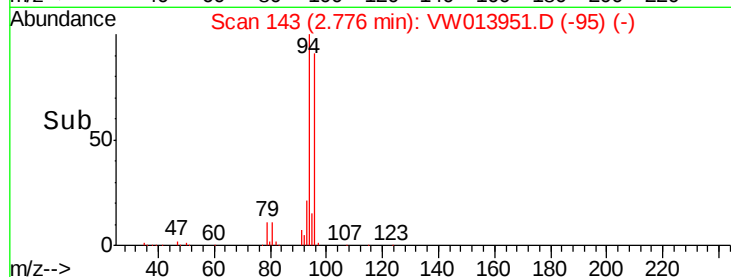
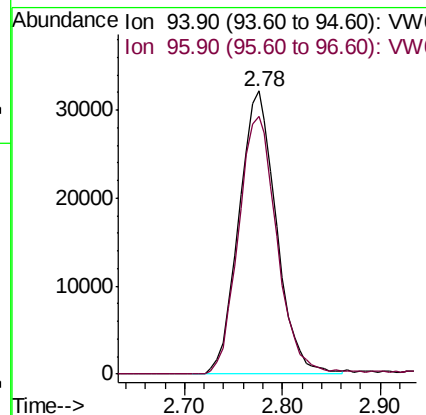
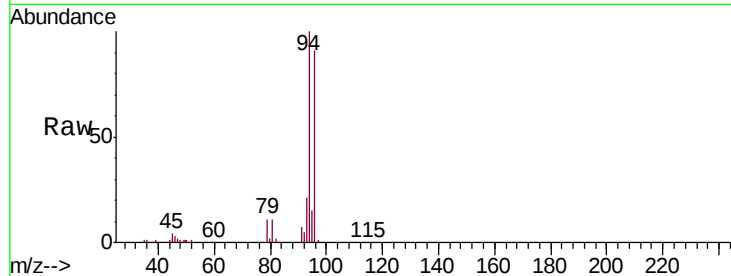
SB-38-(2-4)MSD

Tgt Ion: 94 Resp: 85382

Ion Ratio Lower Upper

94 100

96 91.1 74.6 112.0



#6

Chloroethane

Concen: 54.357 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013951.D

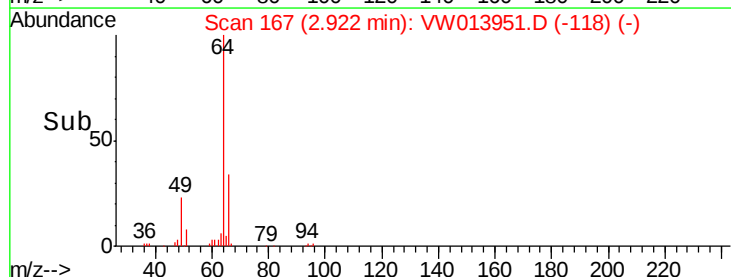
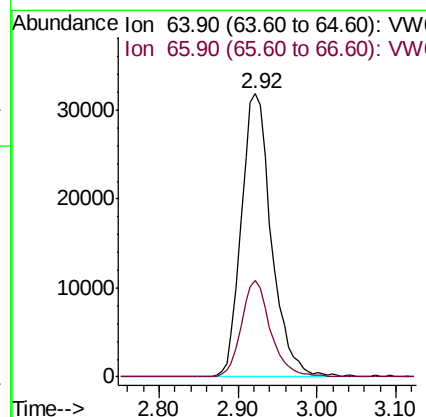
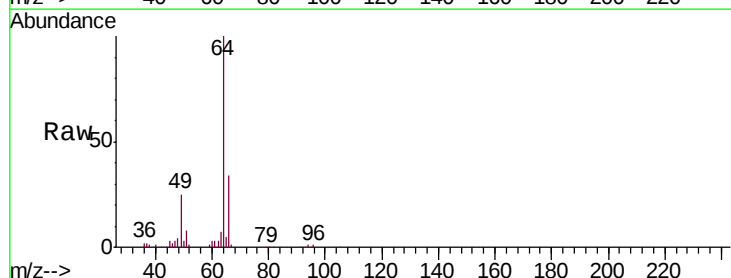
Acq: 08 Nov 2019 18:03

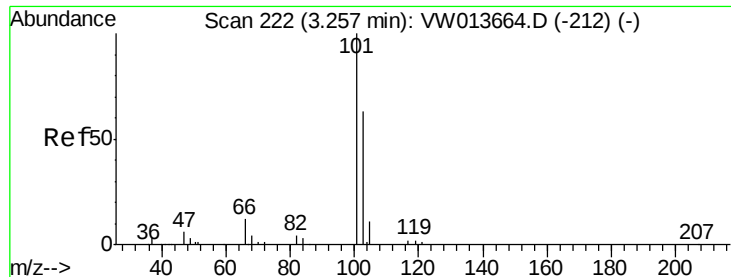
Tgt Ion: 64 Resp: 84709

Ion Ratio Lower Upper

64 100

66 33.9 25.4 38.0



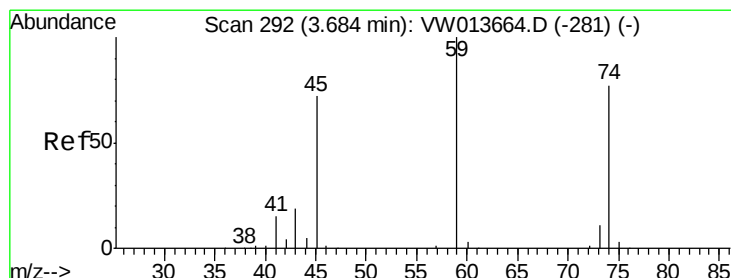
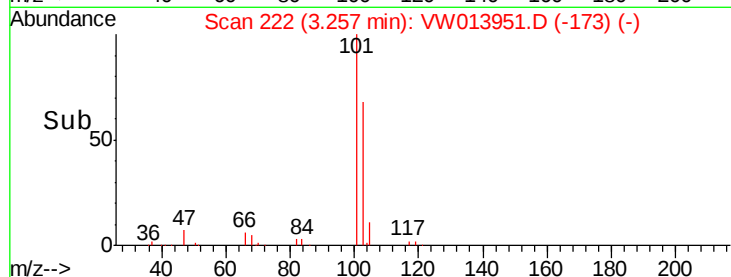
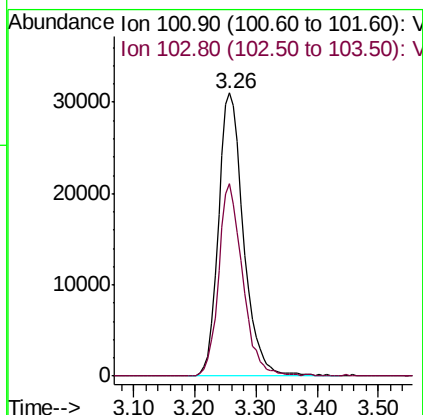
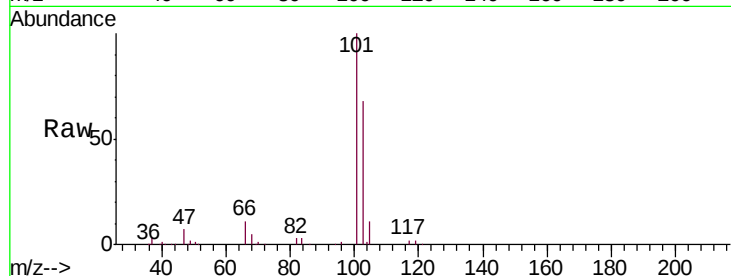


#7

Trichlorofluoromethane
 Concen: 55.025 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013951.D
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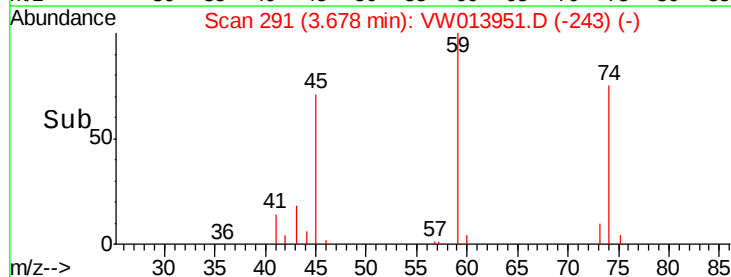
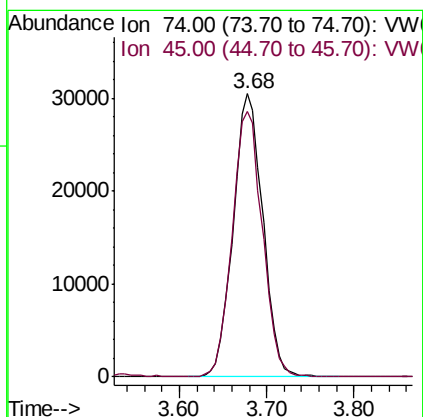
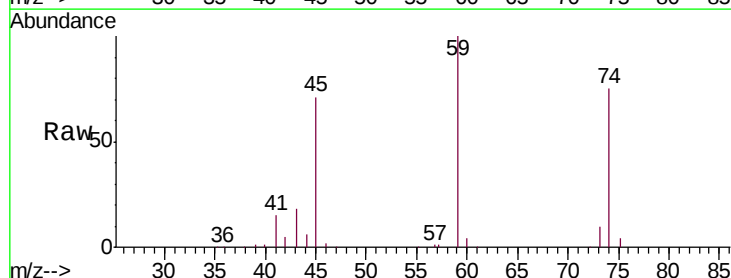
Tgt Ion: 101 Resp: 88515
 Ion Ratio Lower Upper
 101 100
 103 68.1 50.6 76.0

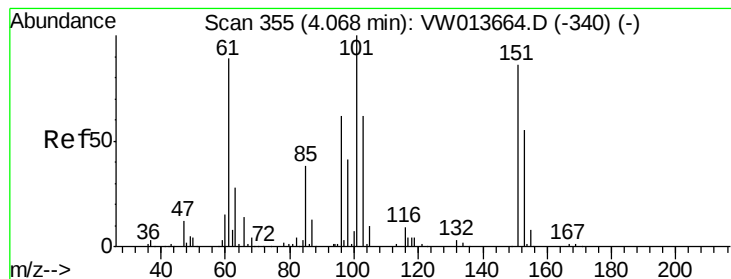


#8

Diethyl Ether
 Concen: 55.179 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 74 Resp: 71713
 Ion Ratio Lower Upper
 74 100
 45 95.9 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.920 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013951.D

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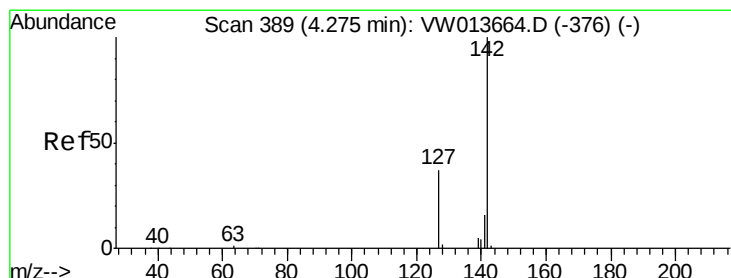
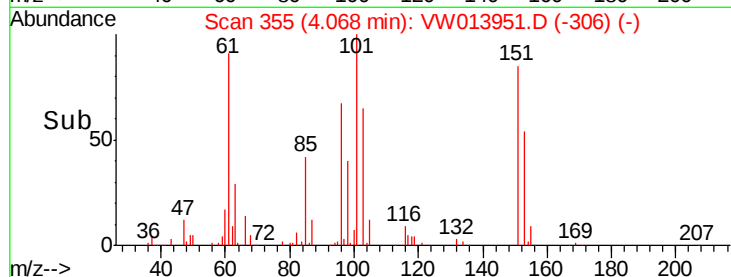
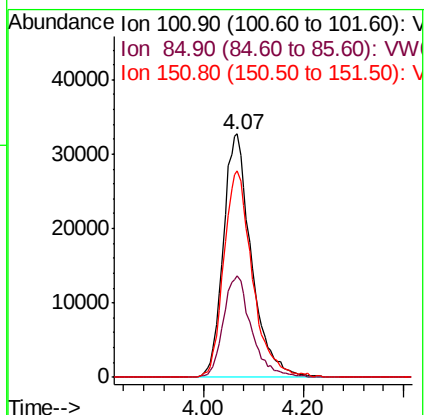
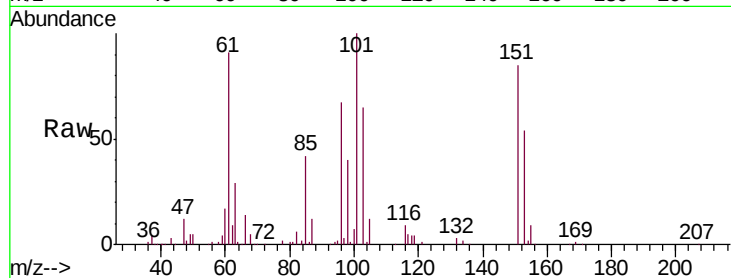
Tgt Ion:101 Resp: 127932

Ion Ratio Lower Upper

101 100

85 41.8 31.0 46.6

151 86.5 68.2 102.4



#10

Methyl Iodide

Concen: 51.643 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

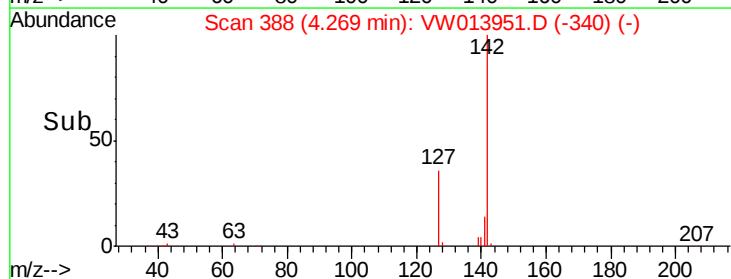
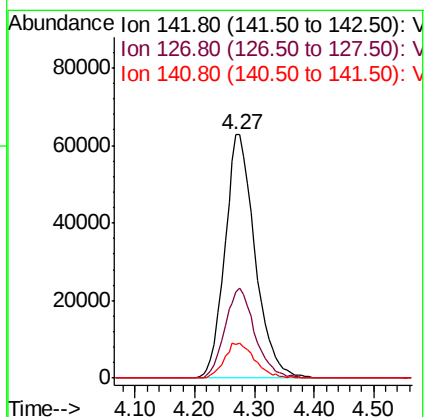
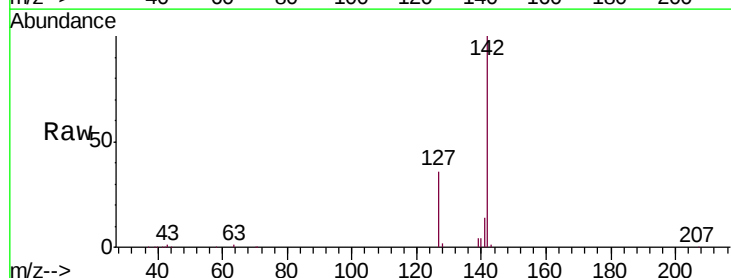
Tgt Ion:142 Resp: 220074

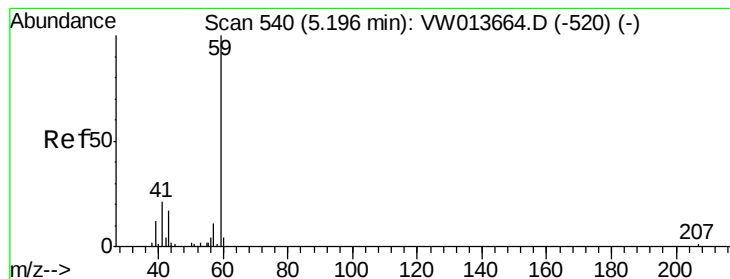
Ion Ratio Lower Upper

142 100

127 36.9 30.3 45.5

141 14.7 11.8 17.8





#11

Tert butyl alcohol

Concen: 344.937 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

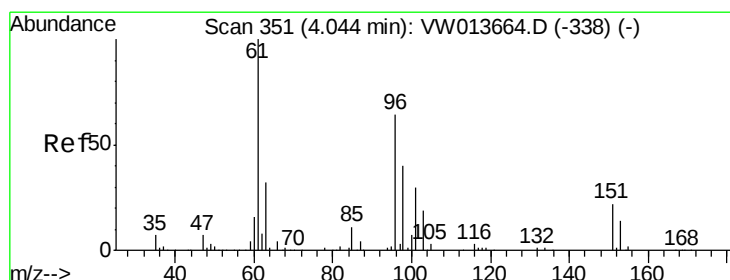
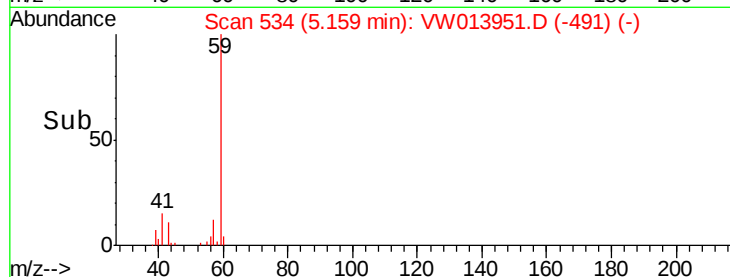
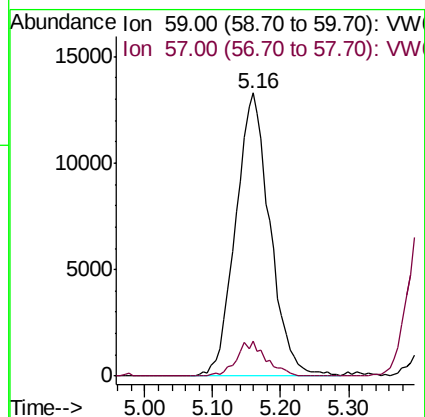
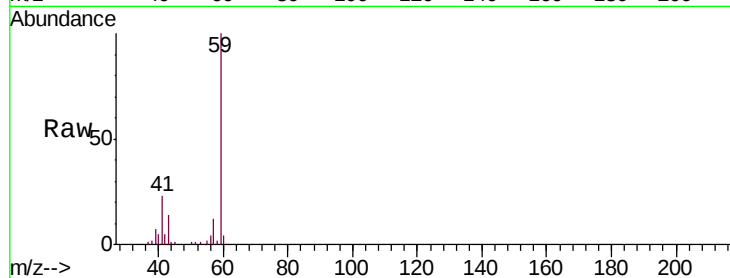
SB-38-(2-4)MSD

Tgt Ion: 59 Resp: 46527

Ion Ratio Lower Upper

59 100

57 10.6 8.8 13.2



#12

1,1-Dichloroethene

Concen: 50.686 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

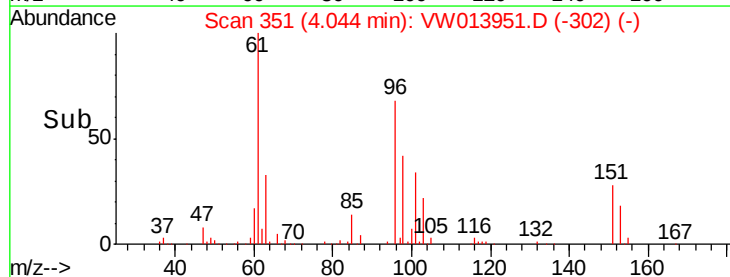
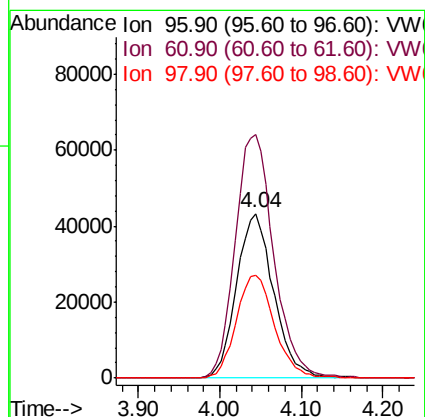
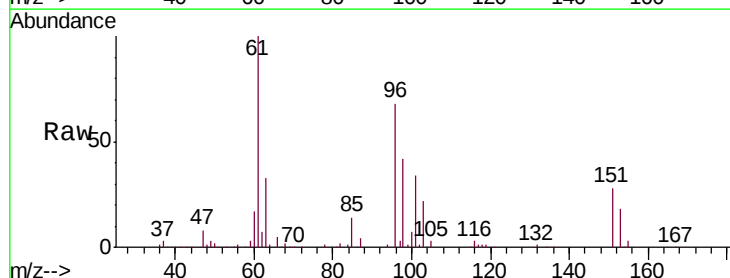
Tgt Ion: 96 Resp: 136918

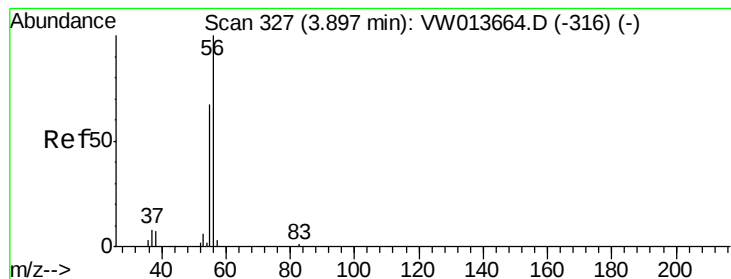
Ion Ratio Lower Upper

96 100

61 147.7 125.0 187.6

98 62.4 50.3 75.5





#13

Acrolein

Concen: 216.296 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

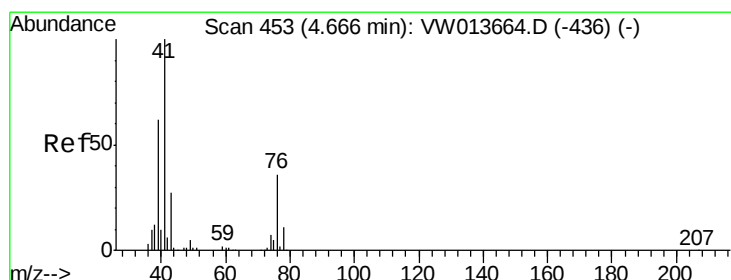
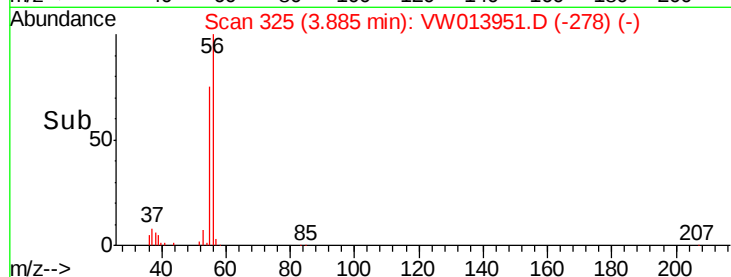
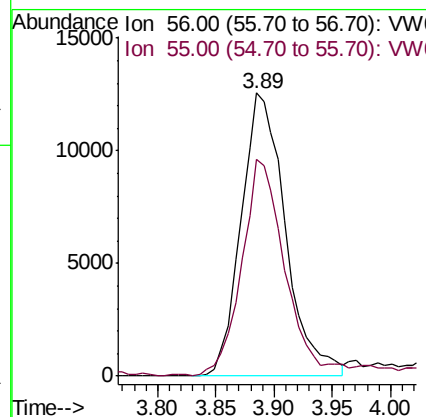
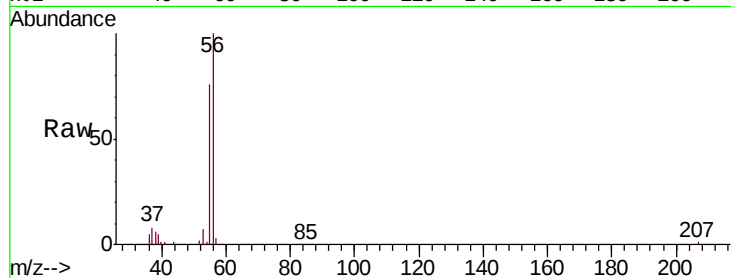
SB-38-(2-4)MSD

Tgt Ion: 56 Resp: 33425

Ion Ratio Lower Upper

56 100

55 74.5 56.1 84.1



#14

Allyl chloride

Concen: 52.837 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

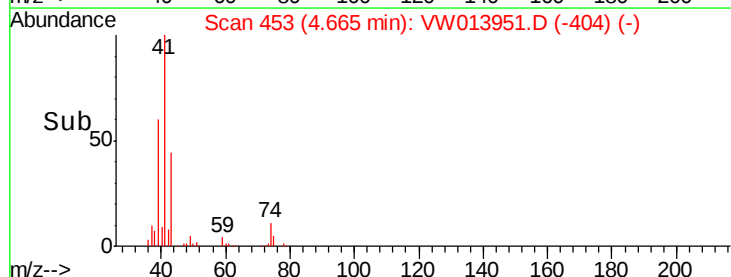
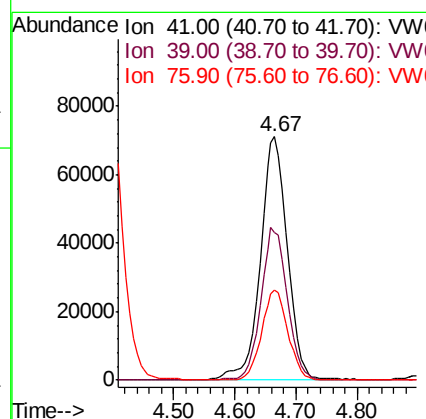
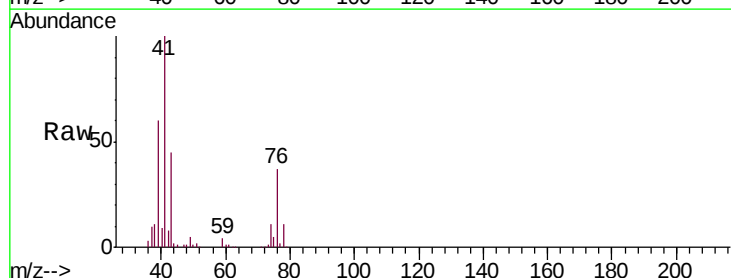
Tgt Ion: 41 Resp: 219468

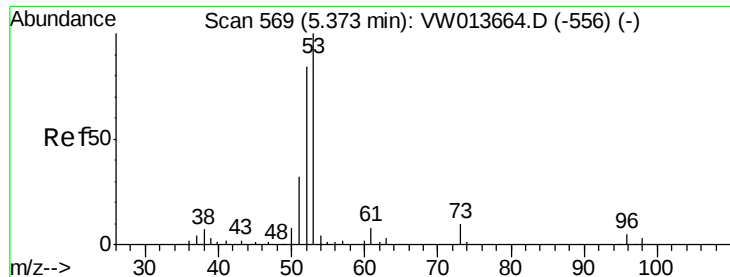
Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

76 35.8 29.6 44.4

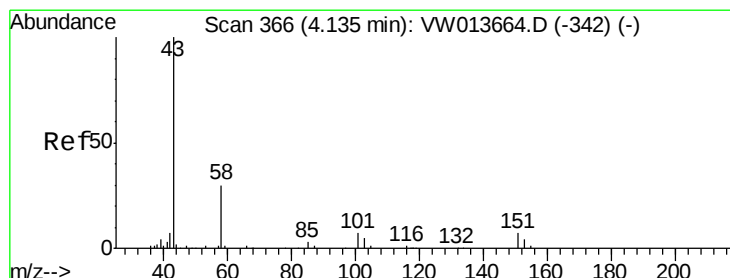
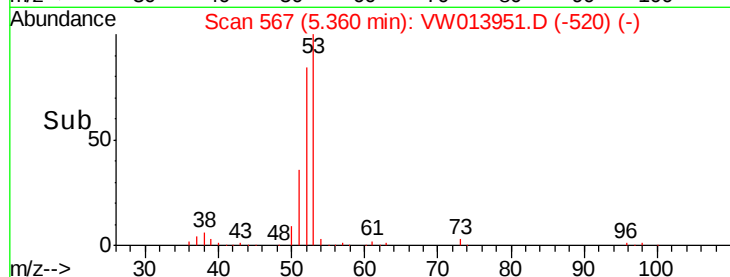
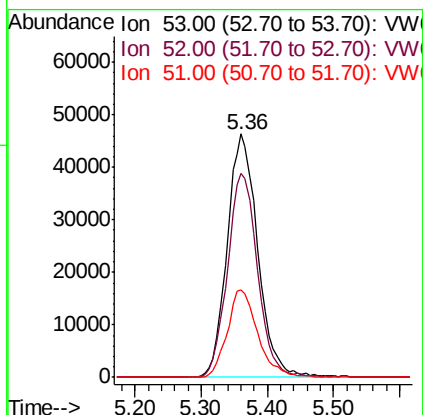
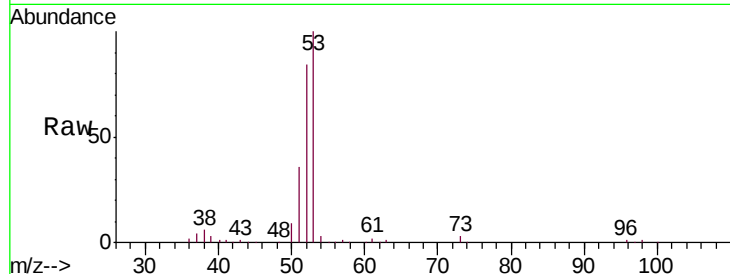




#15
Acrylonitrile
Concen: 280.777 ug/l
RT: 5.36 min Scan# 567
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

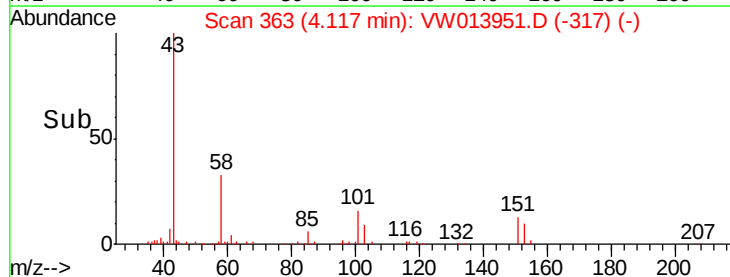
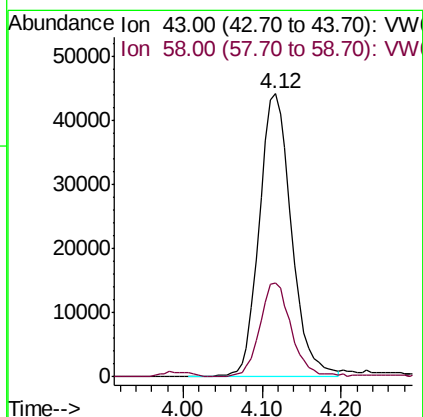
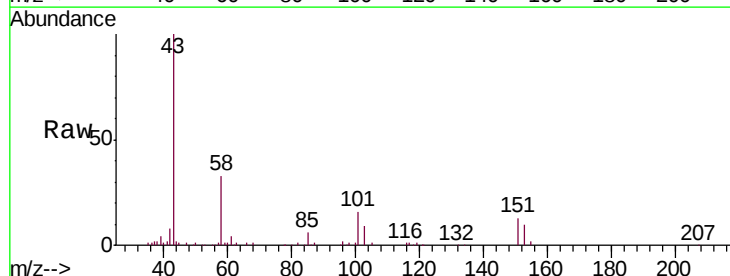
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

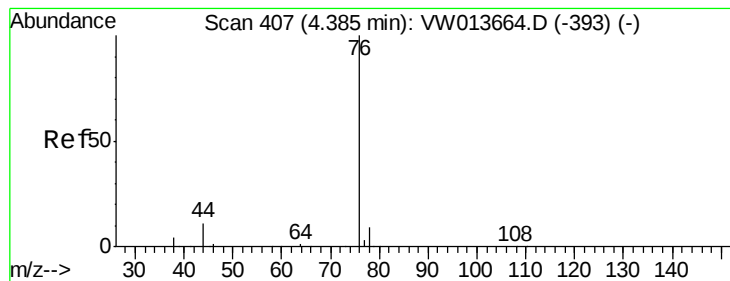
Tgt Ion: 53 Resp: 148380
Ion Ratio Lower Upper
53 100
52 82.0 67.4 101.0
51 36.1 29.1 43.7



#16
Acetone
Concen: 262.762 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 43 Resp: 125884
Ion Ratio Lower Upper
43 100
58 32.4 24.1 36.1





#17

Carbon Disulfide

Concen: 48.515 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

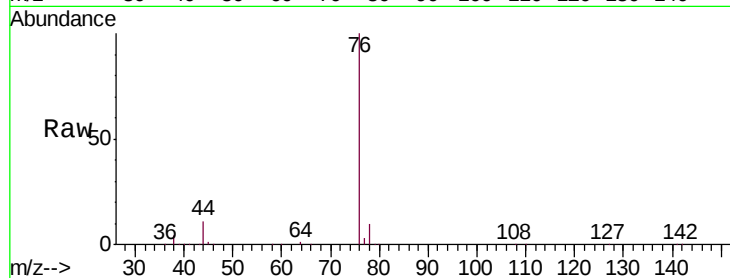
SB-38-(2-4)MSD

Tgt Ion: 76 Resp: 376371

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

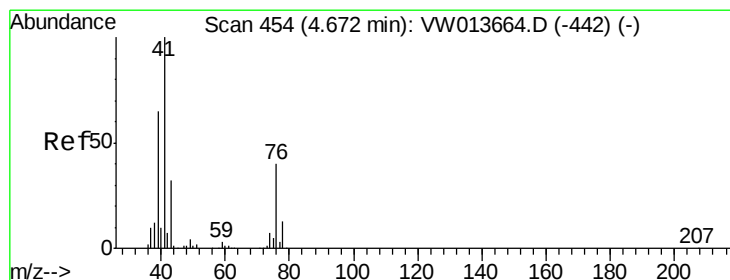
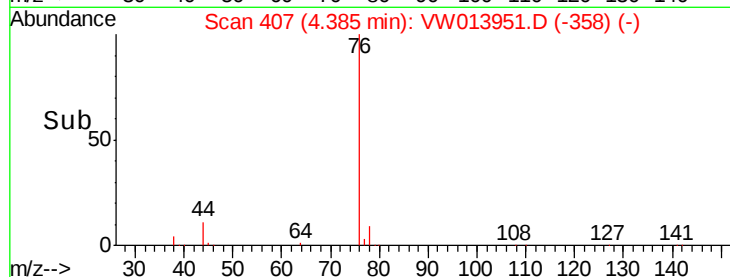
4.38

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 71.383 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013951.D

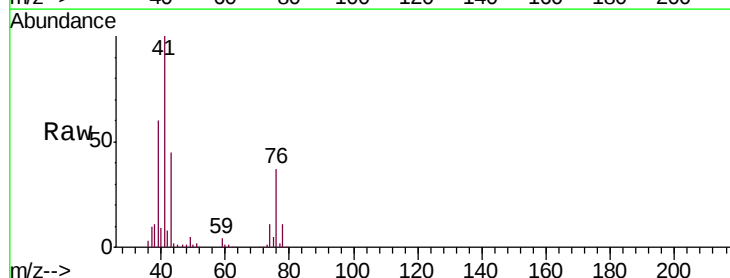
Acq: 08 Nov 2019 18:03

Tgt Ion: 43 Resp: 93745

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

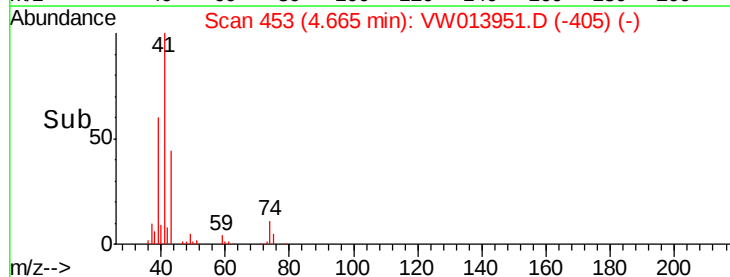
30000

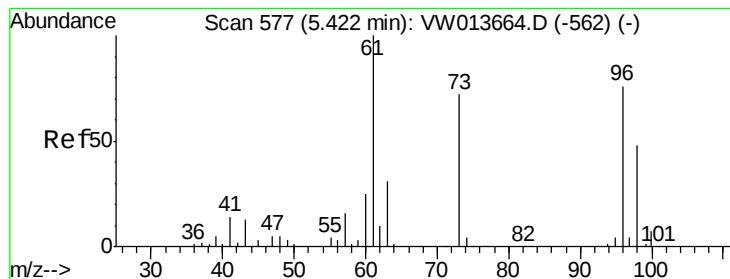
20000

10000

0

Time--> 4.60 4.70 4.80





#19

Methyl tert-butyl Ether

Concen: 57.348 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

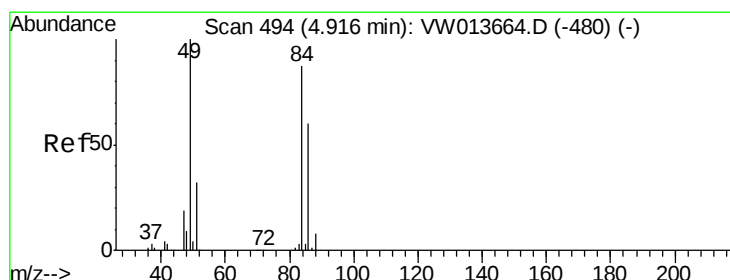
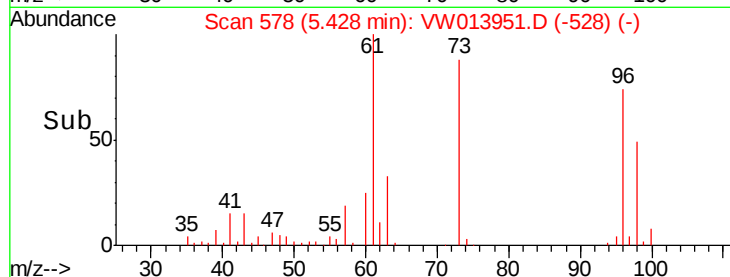
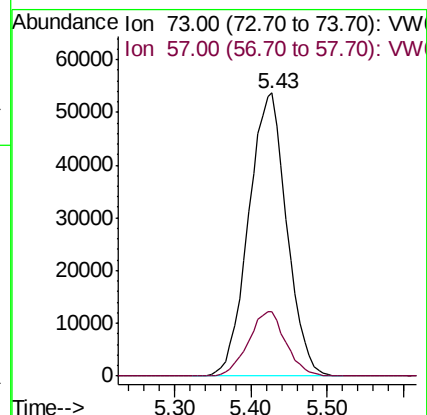
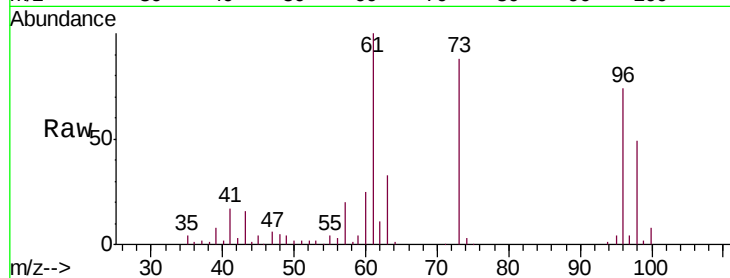
SB-38-(2-4)MSD

Tgt Ion: 73 Resp: 185899

Ion Ratio Lower Upper

73 100

57 22.8 17.6 26.4



#20

Methylene Chloride

Concen: 58.094 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion: 84 Resp: 151102

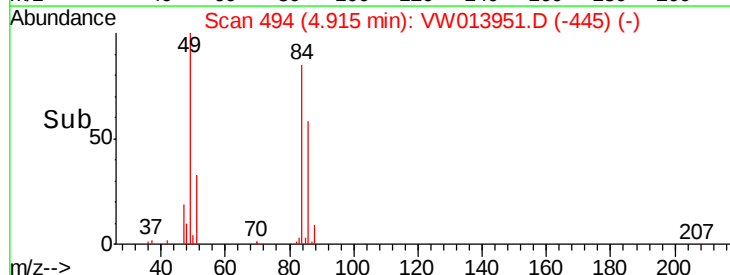
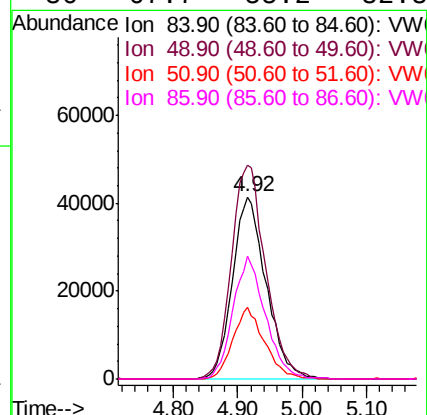
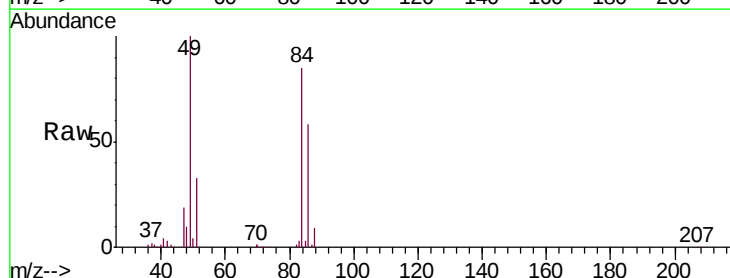
Ion Ratio Lower Upper

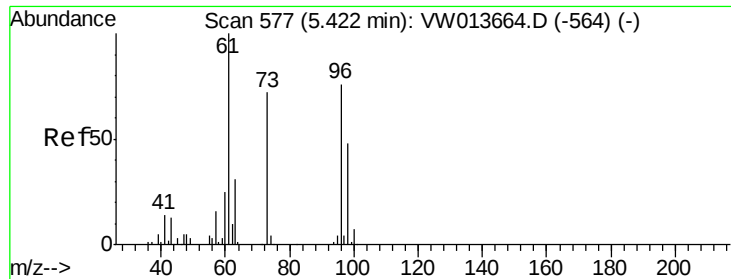
84 100

49 117.4 91.8 137.6

51 39.3 29.8 44.6

86 67.7 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.634 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

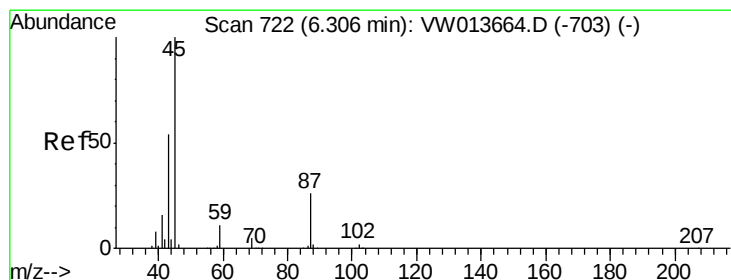
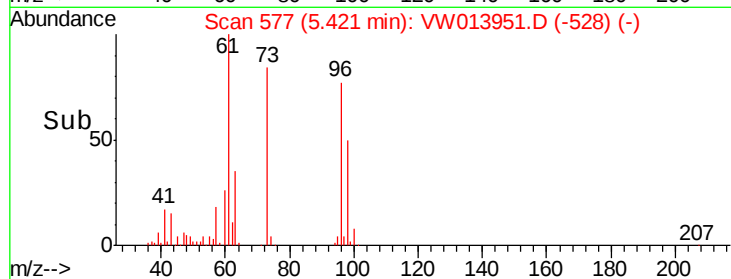
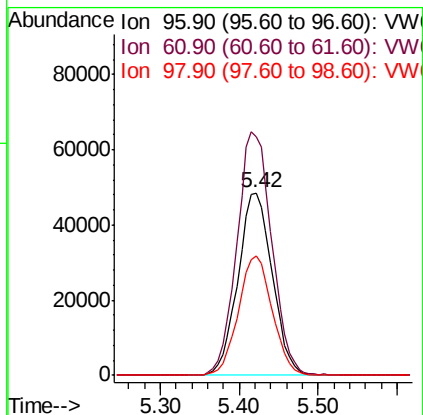
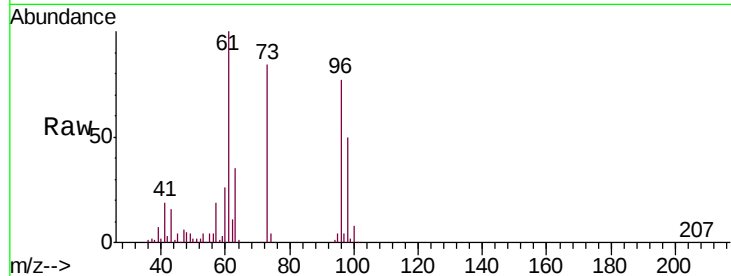
Tgt Ion: 96 Resp: 147212

Ion Ratio Lower Upper

96 100

61 130.6 104.8 157.2

98 65.4 50.6 76.0



#22

Diisopropyl ether

Concen: 56.119 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion: 45 Resp: 425202

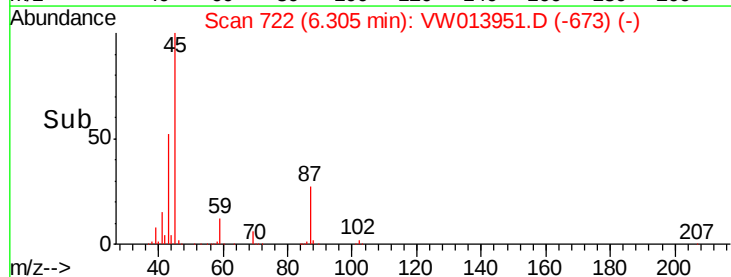
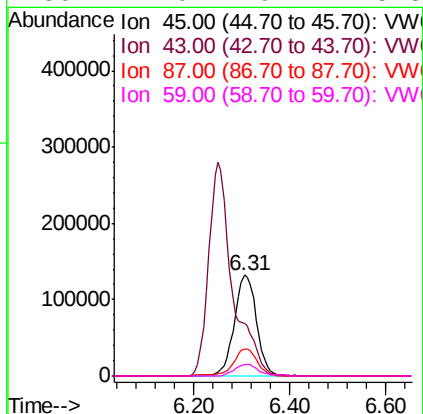
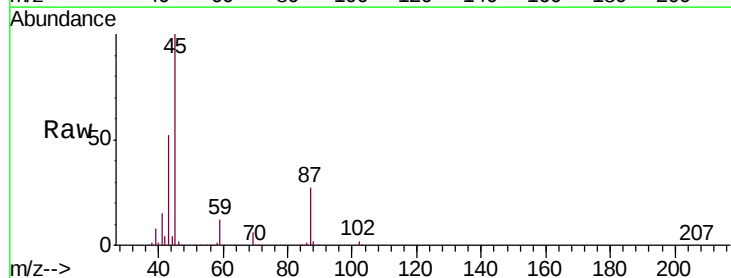
Ion Ratio Lower Upper

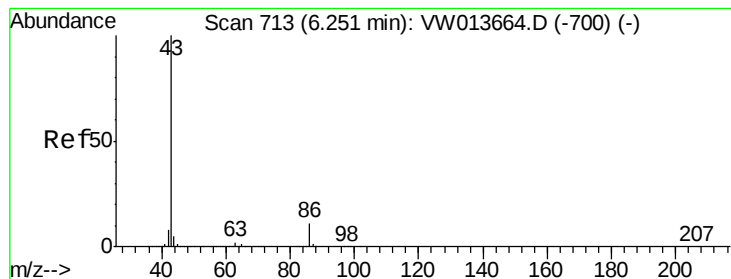
45 100

43 52.0 43.4 65.2

87 26.7 21.5 32.3

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 220.627 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

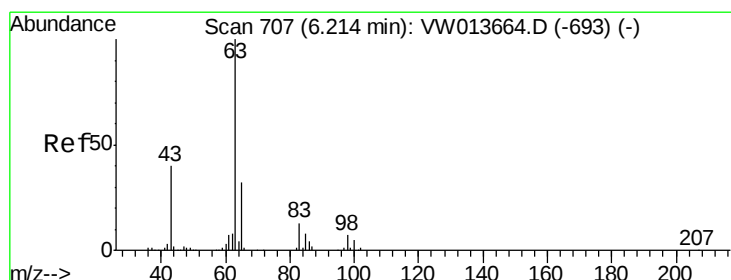
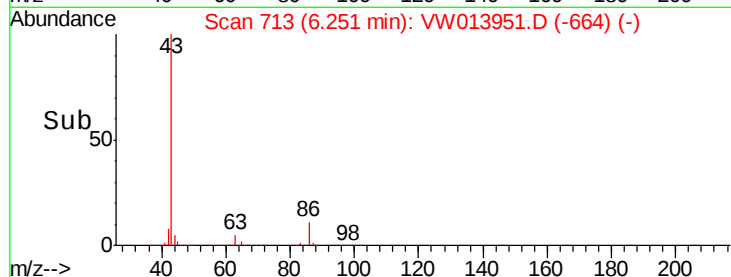
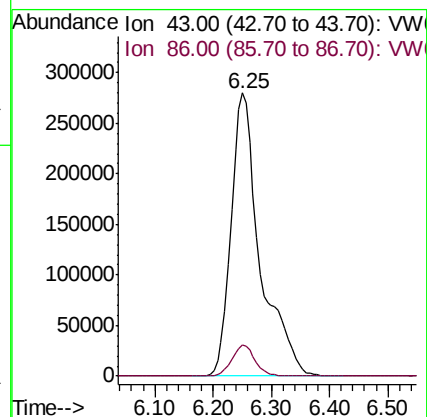
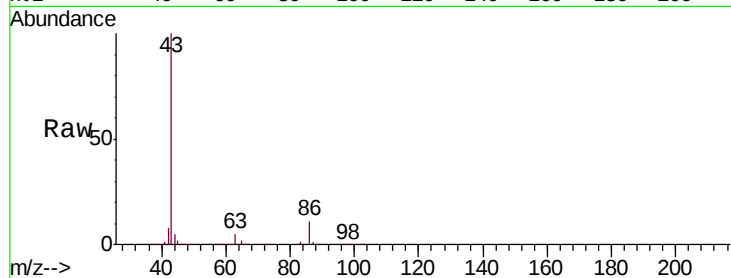
SB-38-(2-4)MSD

Tgt Ion: 43 Resp: 969948

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.6



#24

1,1-Dichloroethane

Concen: 52.190 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

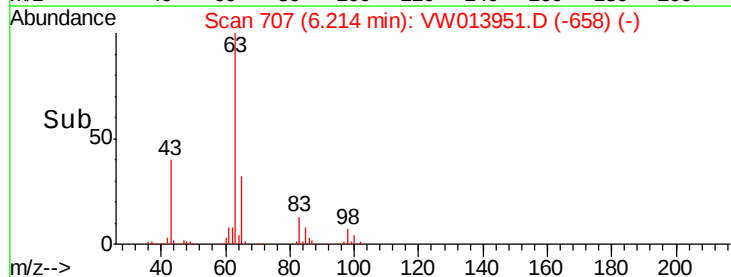
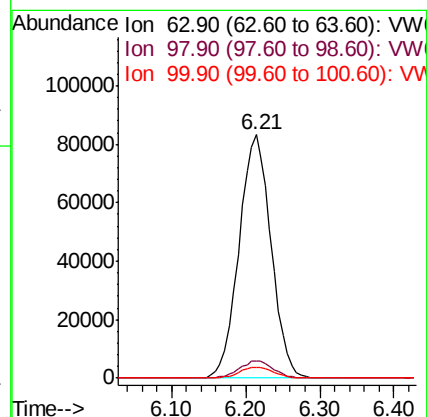
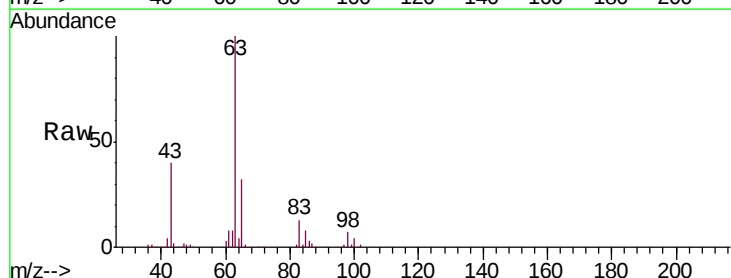
Tgt Ion: 63 Resp: 250434

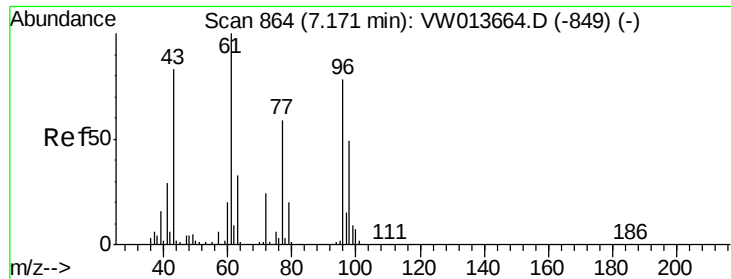
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 273.135 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

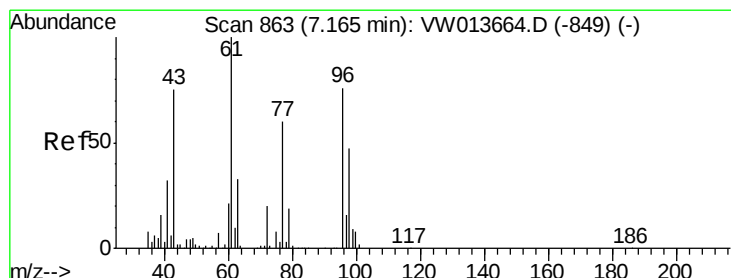
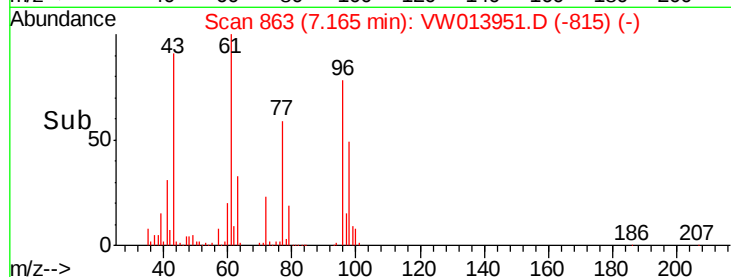
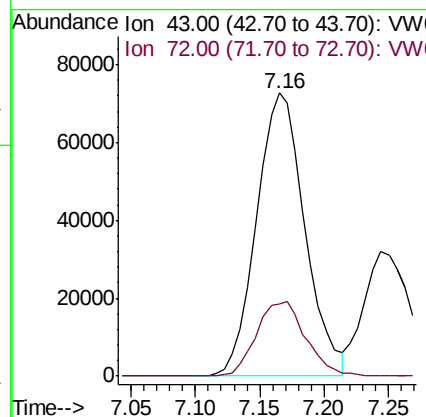
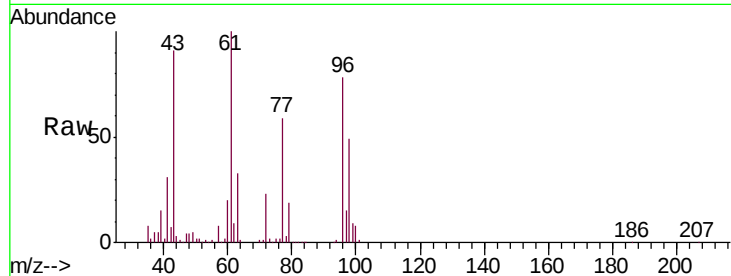
SB-38-(2-4)MSD

Tgt Ion: 43 Resp: 188127

Ion Ratio Lower Upper

43 100

72 25.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 49.313 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013951.D

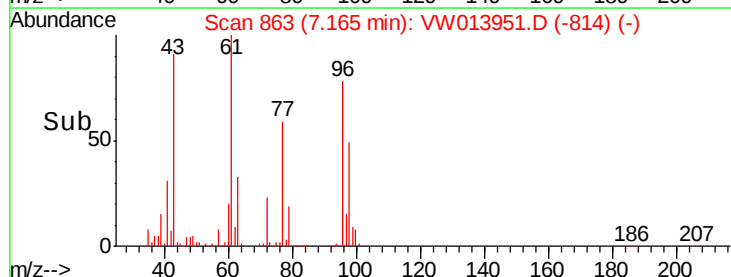
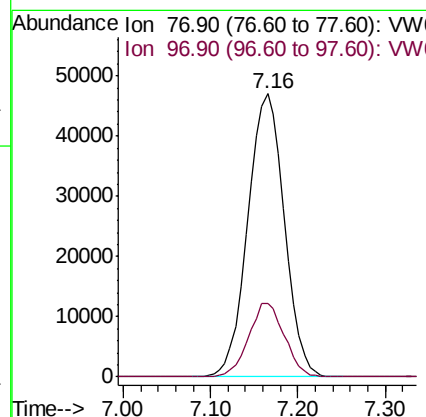
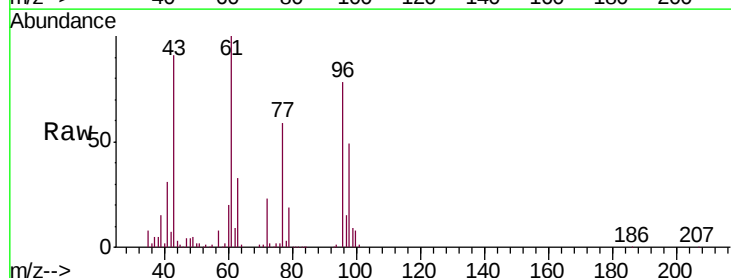
Acq: 08 Nov 2019 18:03

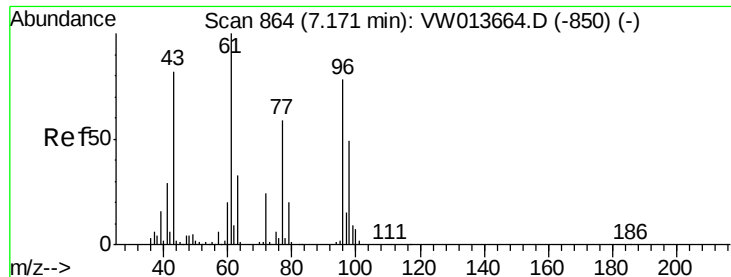
Tgt Ion: 77 Resp: 136831

Ion Ratio Lower Upper

77 100

97 25.3 12.8 38.4



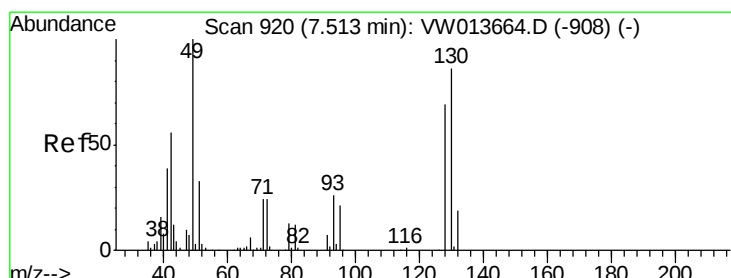
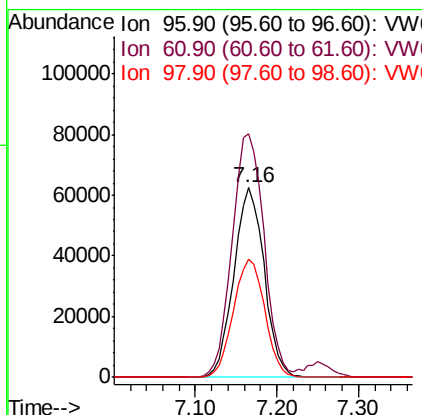
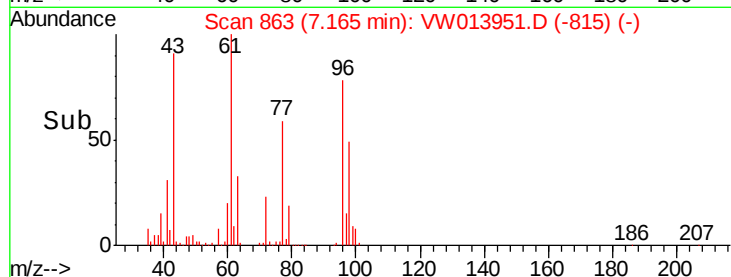
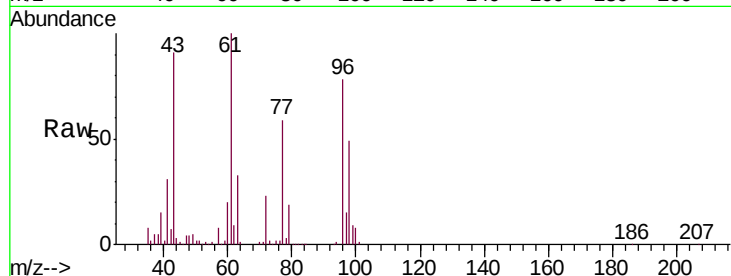


#27

cis-1,2-Dichloroethene
Concen: 52.056 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampled :
SB-38-(2-4)MSD

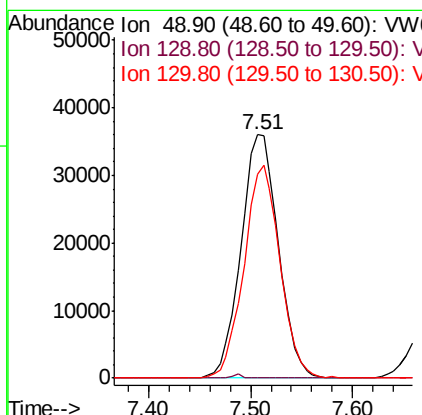
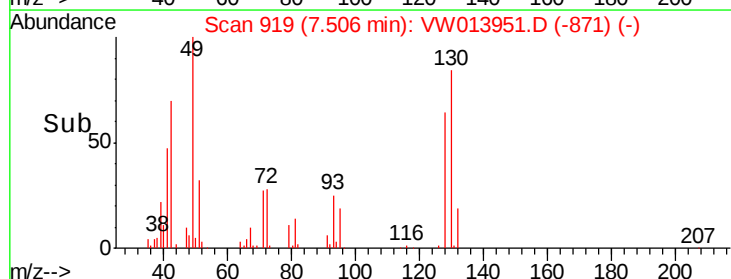
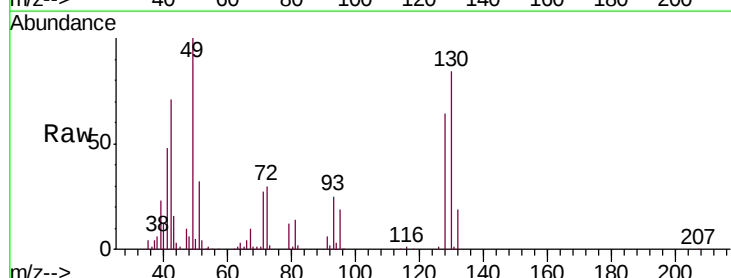
Tgt Ion: 96 Resp: 160755
Ion Ratio Lower Upper
96 100
61 135.2 0.0 266.0
98 64.2 0.0 126.8

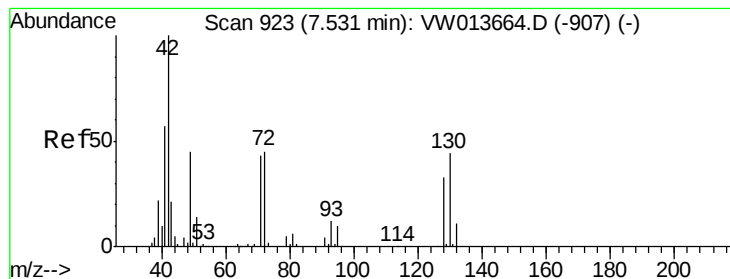


#28

Bromochloromethane
Concen: 53.551 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 49 Resp: 91719
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 84.5 67.5 101.3





#29

Tetrahydrofuran

Concen: 295.838 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

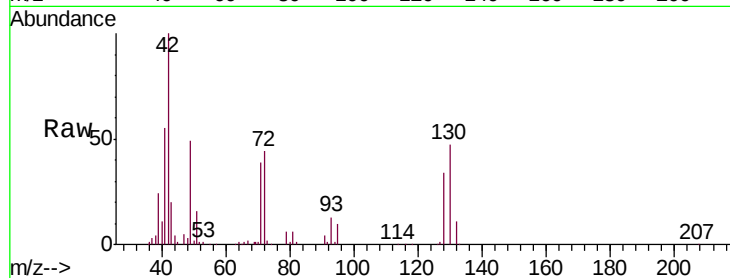
Tgt Ion: 42 Resp: 126151

Ion Ratio Lower Upper

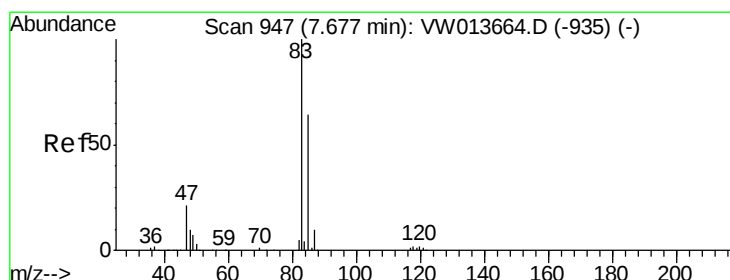
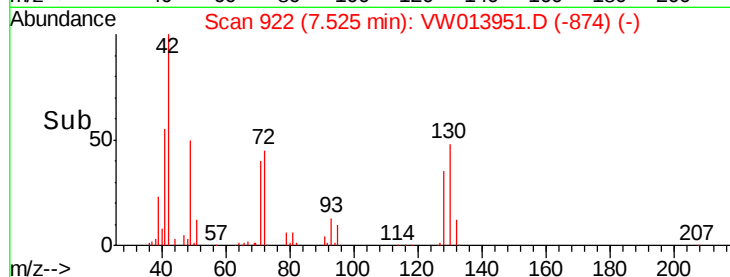
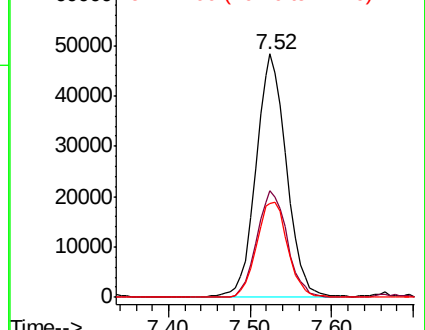
42 100

72 43.8 35.3 52.9

71 40.1 33.3 49.9



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



#30

Chloroform

Concen: 51.125 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW013951.D

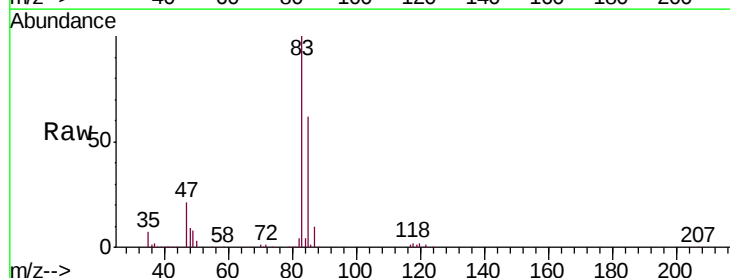
Acq: 08 Nov 2019 18:03

Tgt Ion: 83 Resp: 242514

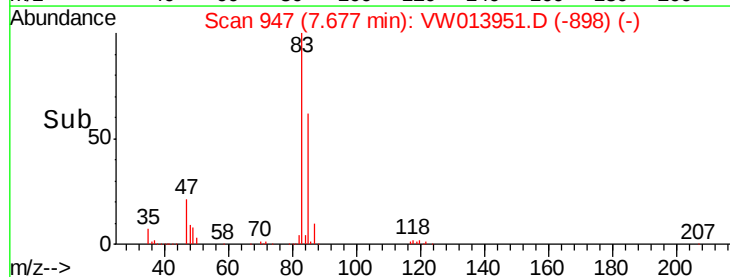
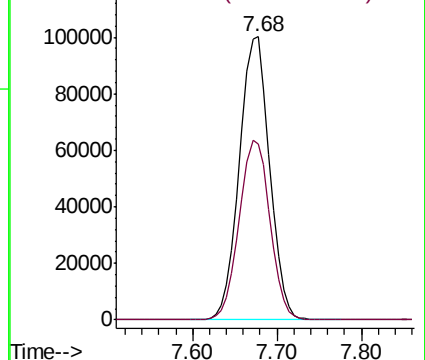
Ion Ratio Lower Upper

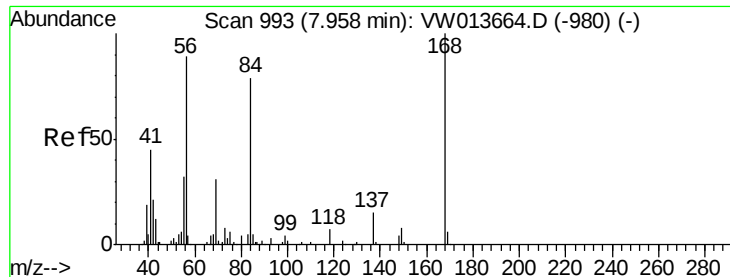
83 100

85 62.1 51.4 77.2



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

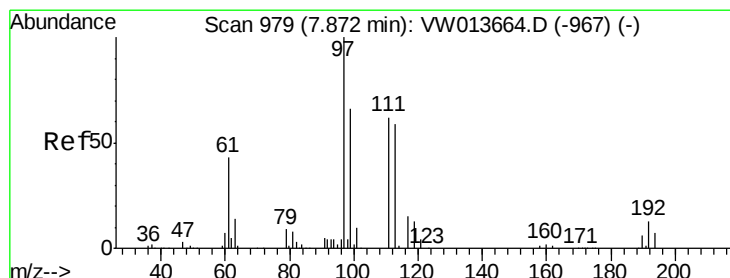
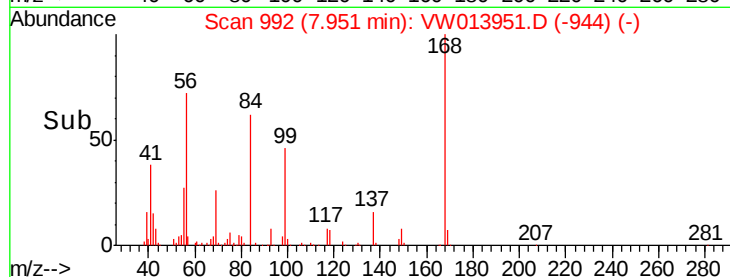
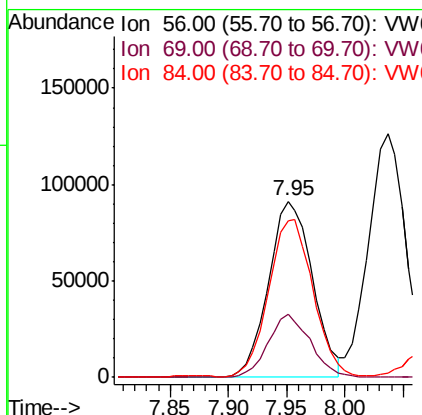
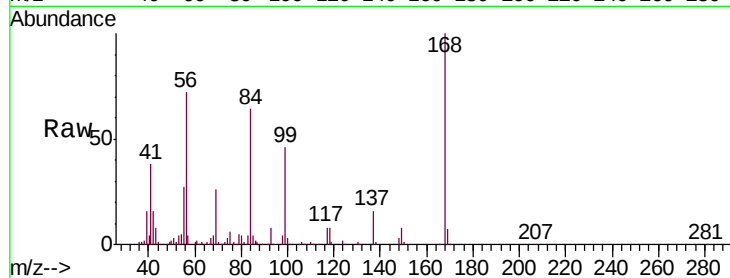




#31
Cyclohexane
Concen: 47.456 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

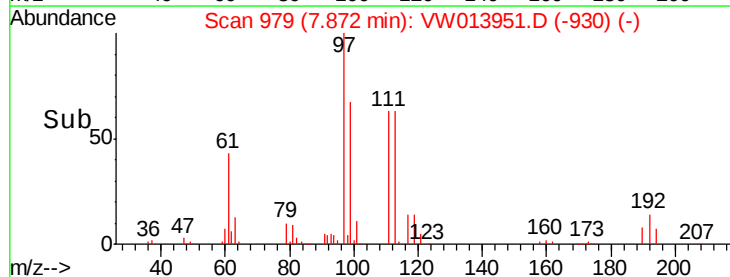
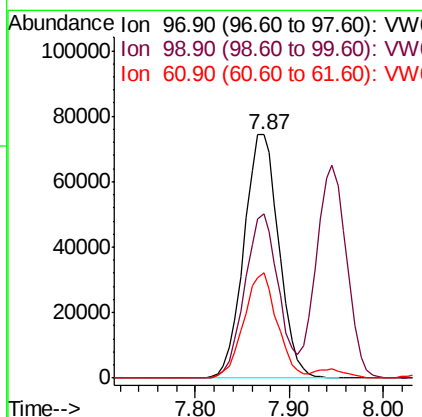
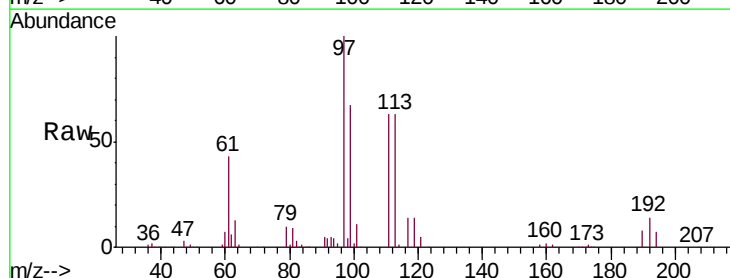
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

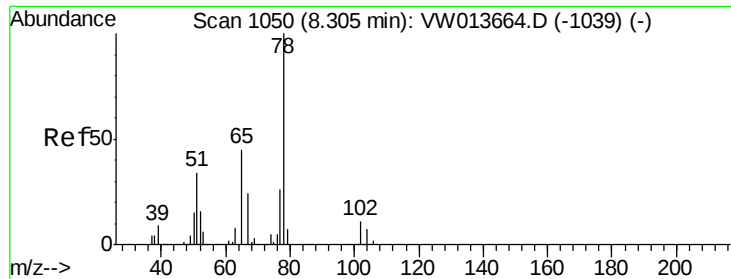
Tgt Ion: 56 Resp: 238311
Ion Ratio Lower Upper
56 100
69 35.7 27.5 41.3
84 87.7 70.8 106.2



#32
1,1,1-Trichloroethane
Concen: 51.999 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 97 Resp: 193564
Ion Ratio Lower Upper
97 100
99 65.6 52.0 78.0
61 41.4 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 54.934 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

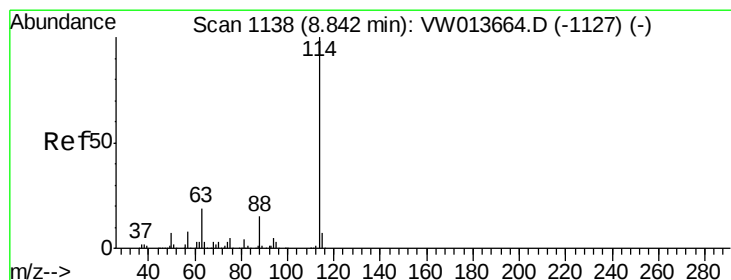
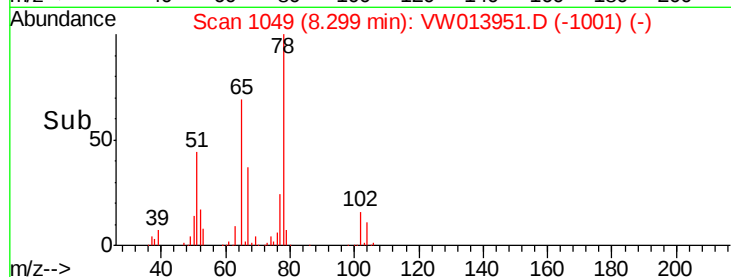
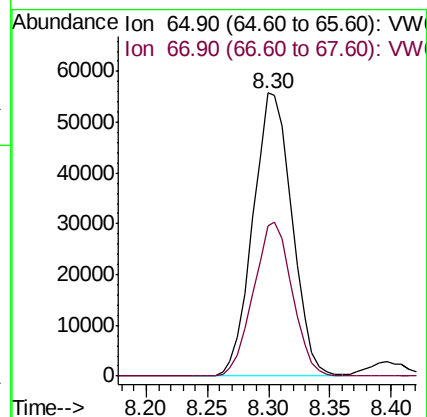
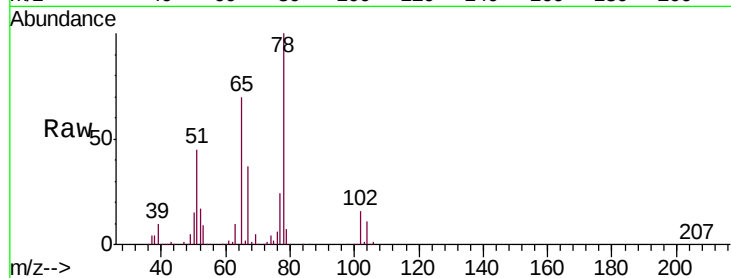
SB-38-(2-4)MSD

Tgt Ion: 65 Resp: 124123

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

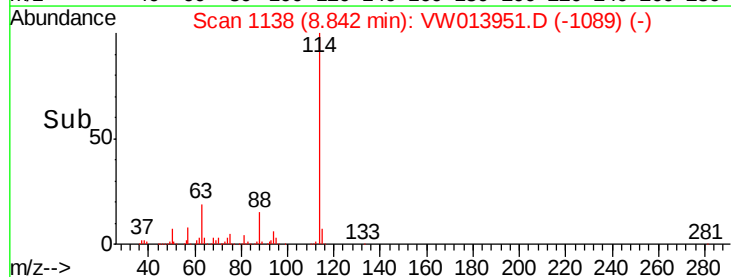
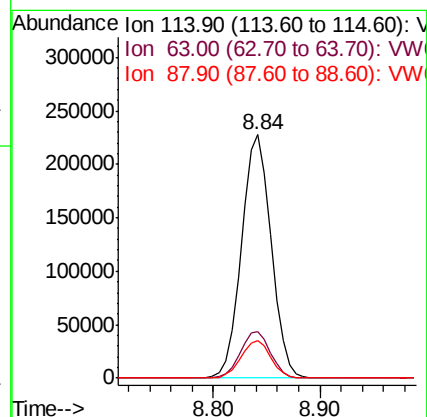
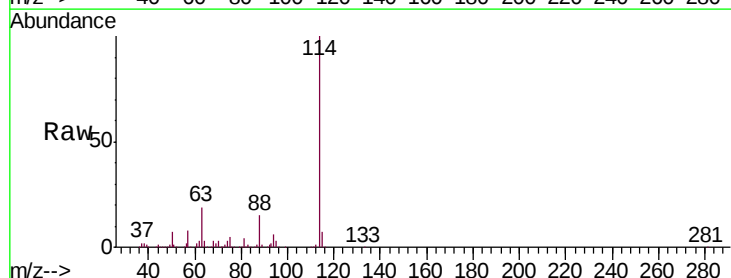
Tgt Ion: 114 Resp: 445314

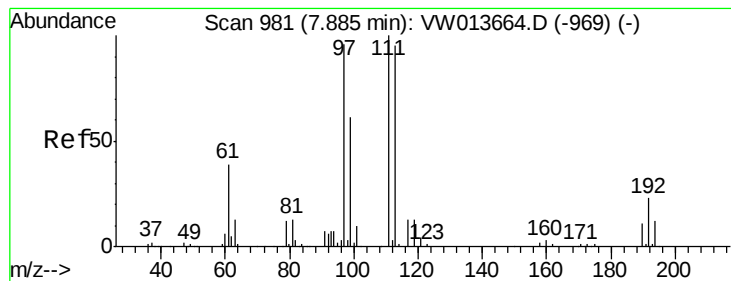
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.612 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

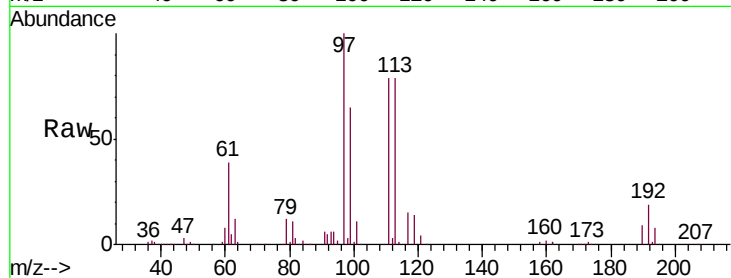
Tgt Ion:113 Resp: 130183

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

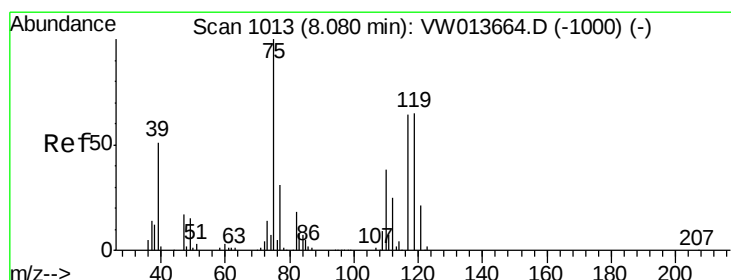
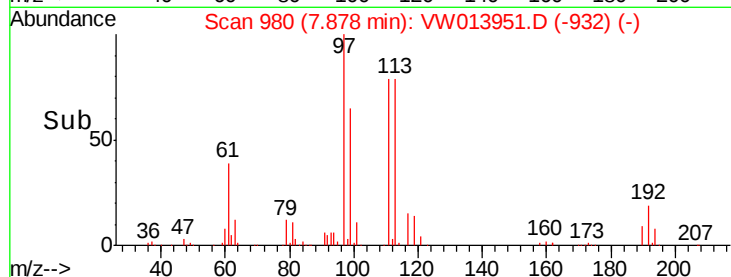
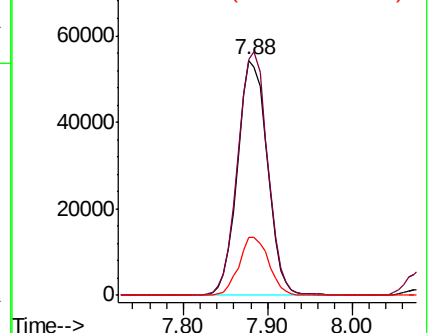
192 24.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.118 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

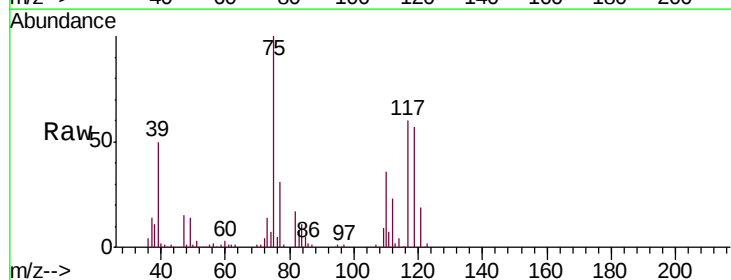
Tgt Ion: 75 Resp: 199557

Ion Ratio Lower Upper

75 100

110 36.1 18.7 56.1

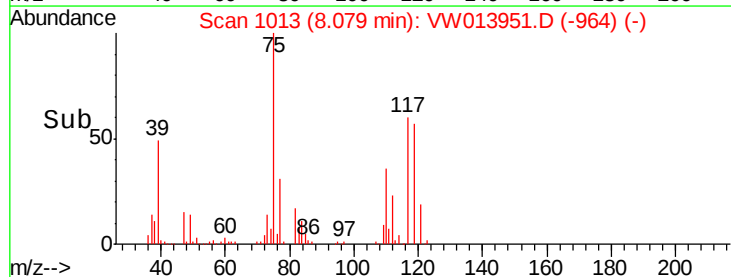
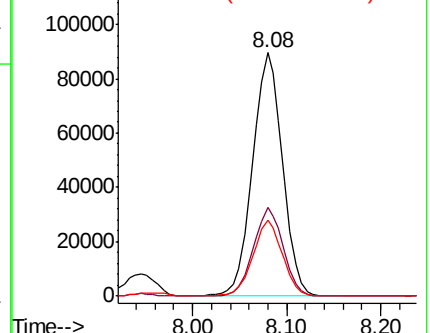
77 30.8 25.4 38.0

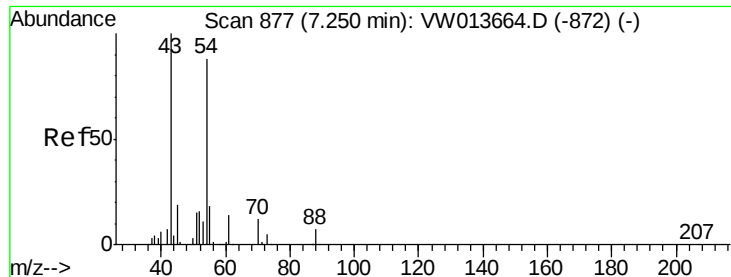


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

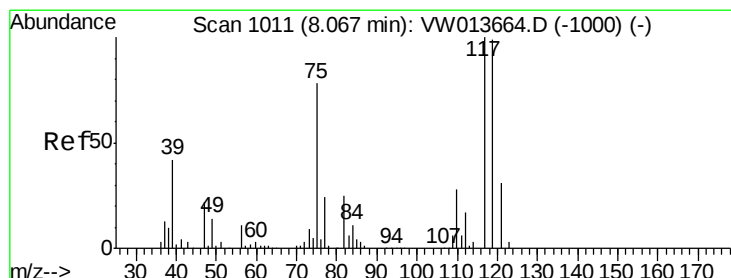
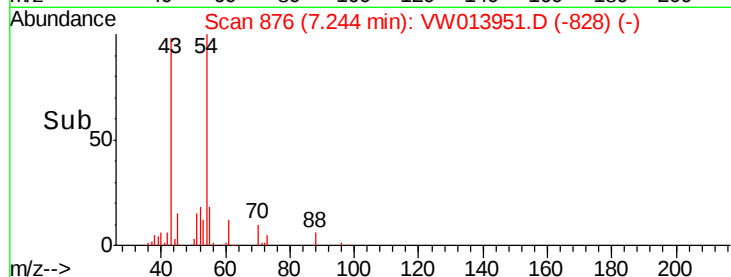
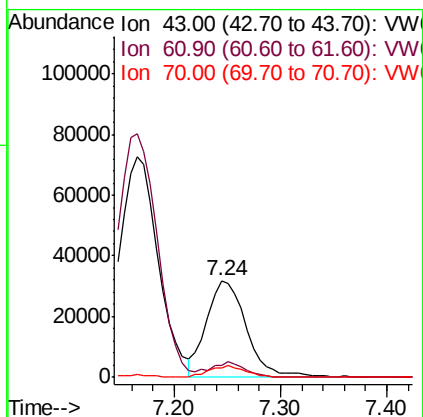
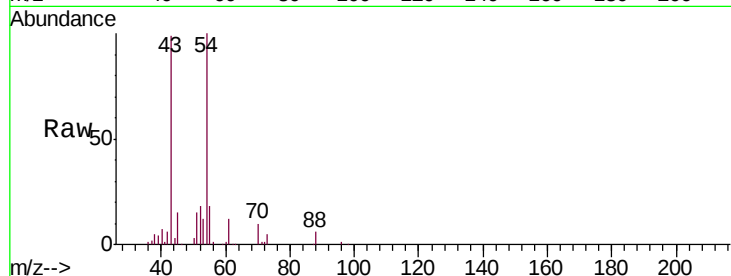




#37
Ethyl Acetate
Concen: 50.943 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

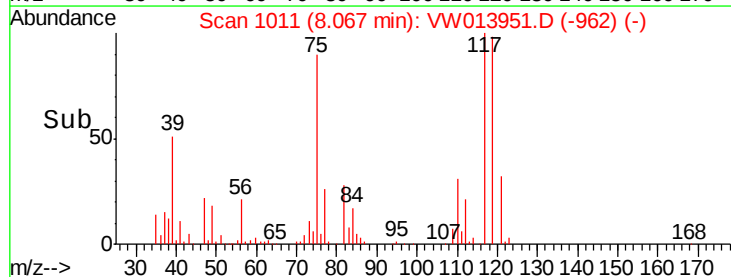
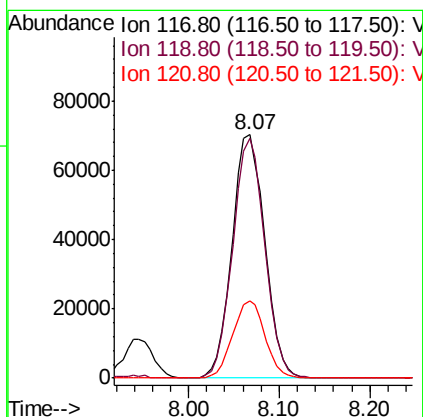
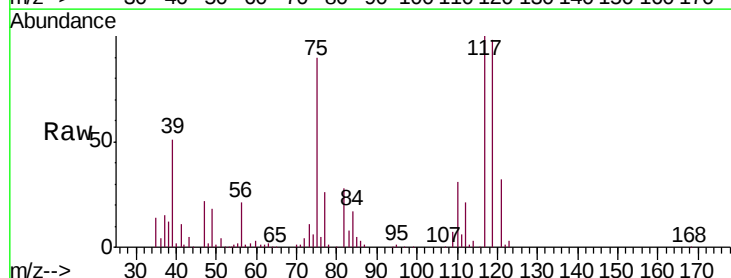
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

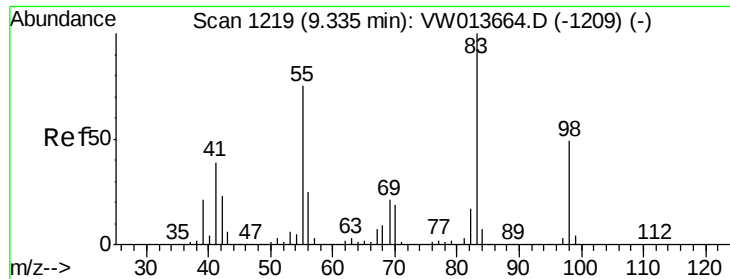
Tgt Ion: 43 Resp: 80875
Ion Ratio Lower Upper
43 100
61 14.5 11.7 17.5
70 11.2 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.263 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 117 Resp: 176508
Ion Ratio Lower Upper
117 100
119 98.5 79.0 118.4
121 31.9 24.5 36.7

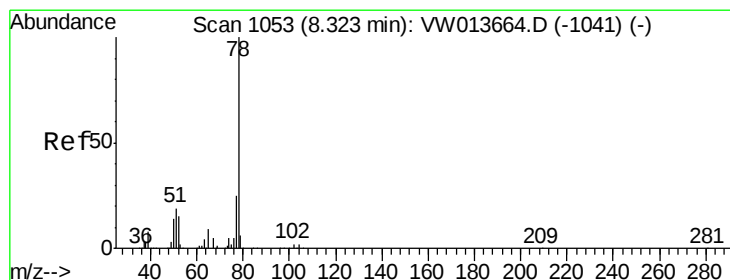
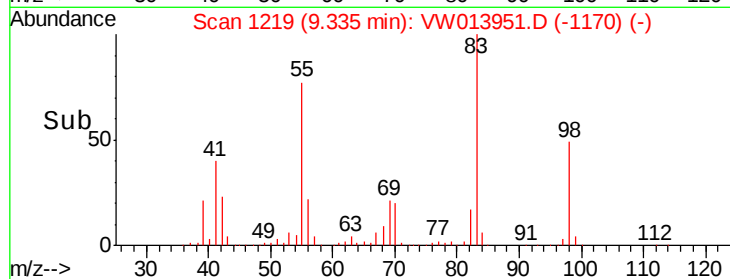
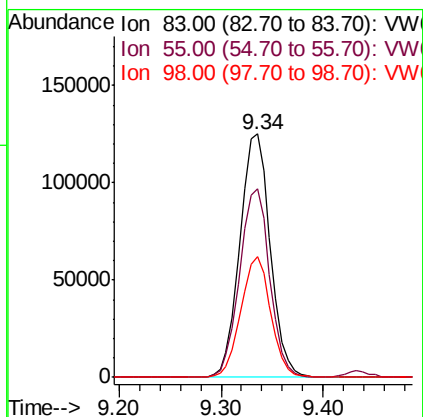
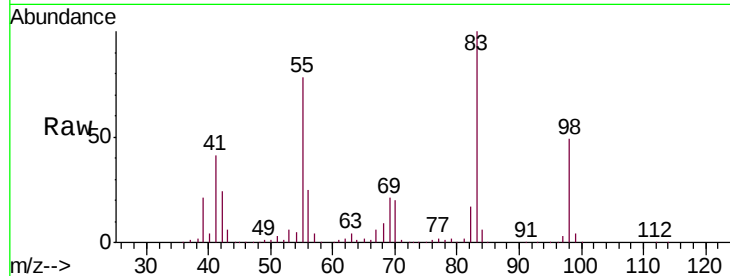




#39
Methylcyclohexane
Concen: 48.413 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

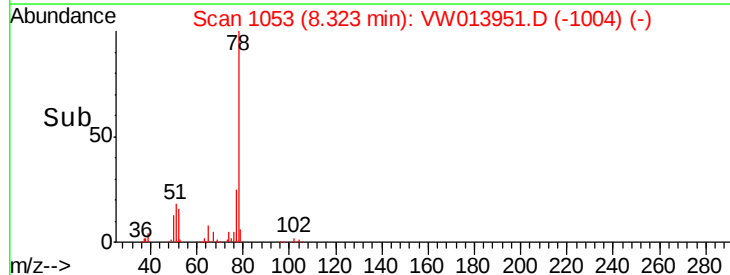
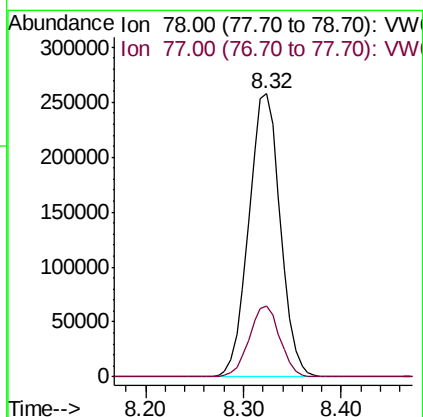
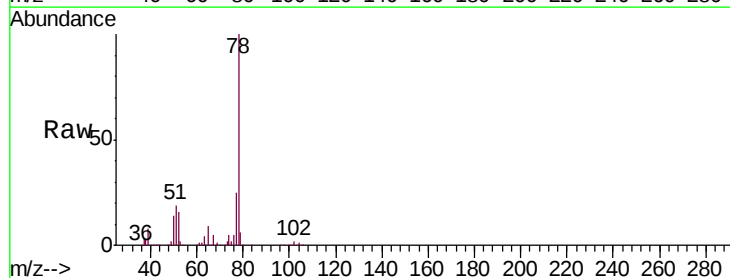
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

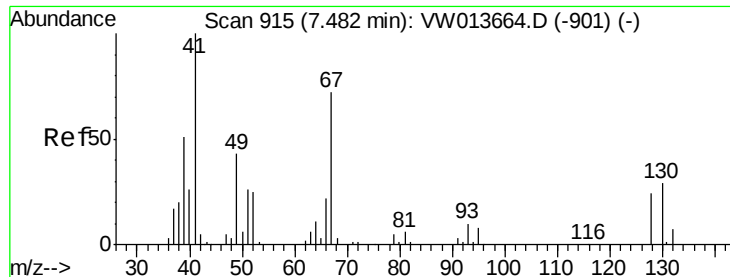
Tgt Ion: 83 Resp: 259286
Ion Ratio Lower Upper
83 100
55 77.6 59.9 89.9
98 49.4 39.4 59.2



#40
Benzene
Concen: 49.369 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 78 Resp: 579429
Ion Ratio Lower Upper
78 100
77 25.1 19.6 29.4





#41

Methacrylonitrile

Concen: 47.926 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tgt Ion: 41 Resp: 47446

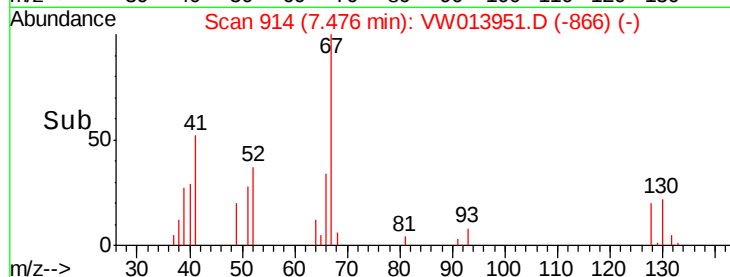
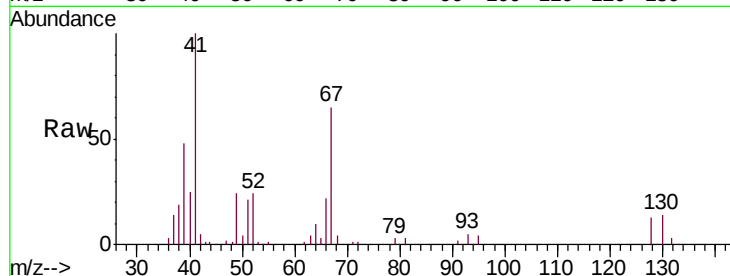
Ion Ratio Lower Upper

41 100

39 54.8 44.8 67.2

67 76.2 59.3 88.9

52 30.3 23.4 35.0

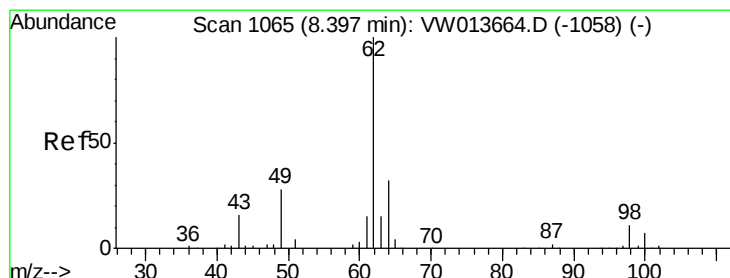
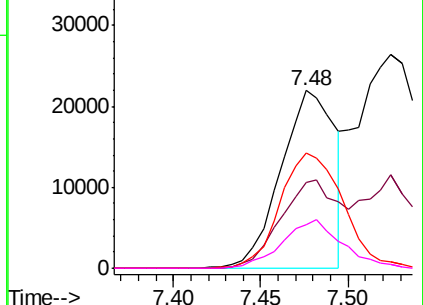


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.446 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013951.D

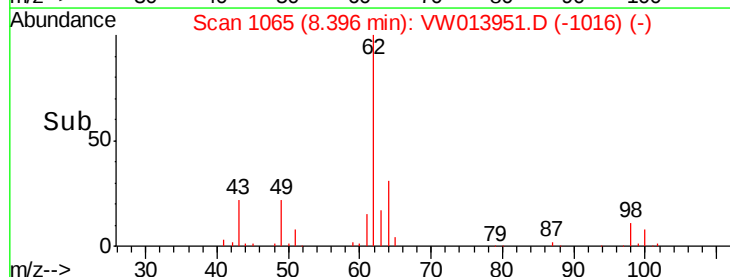
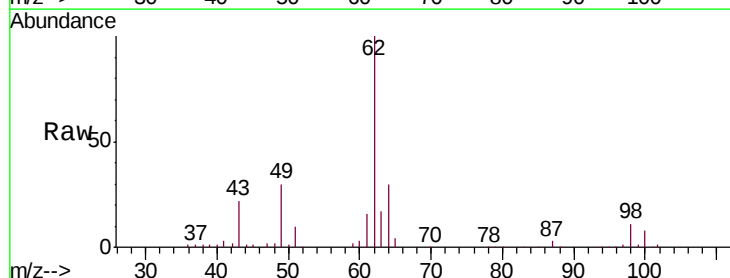
Acq: 08 Nov 2019 18:03

Tgt Ion: 62 Resp: 146241

Ion Ratio Lower Upper

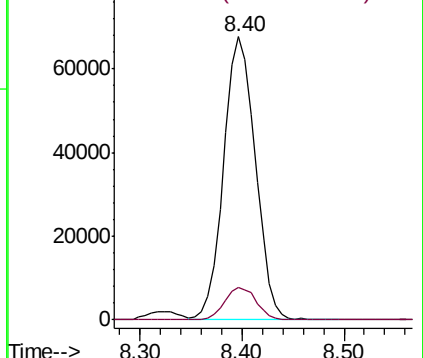
62 100

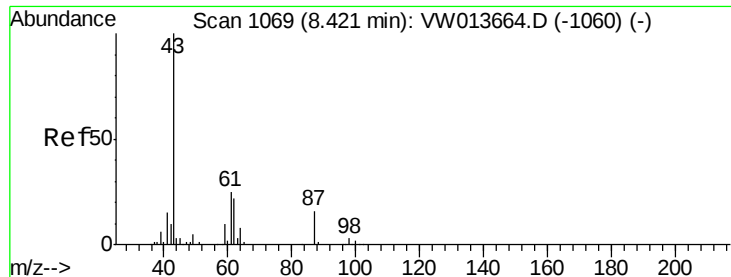
98 11.5 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.891 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

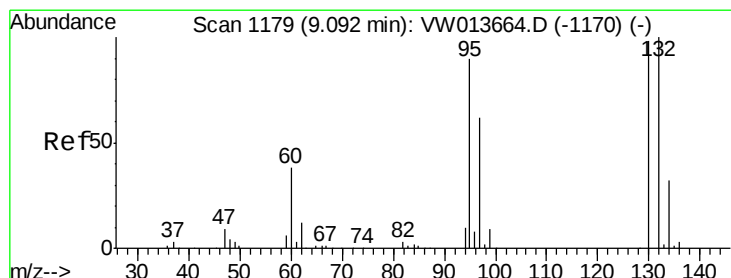
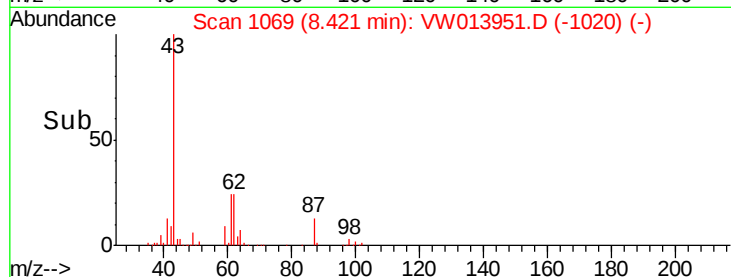
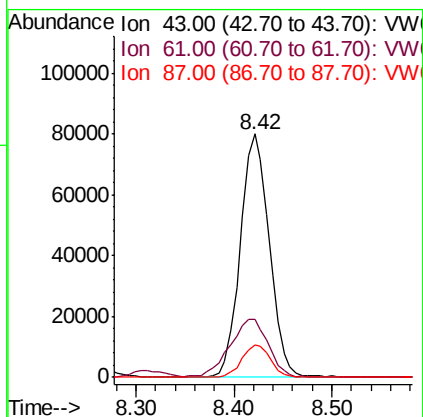
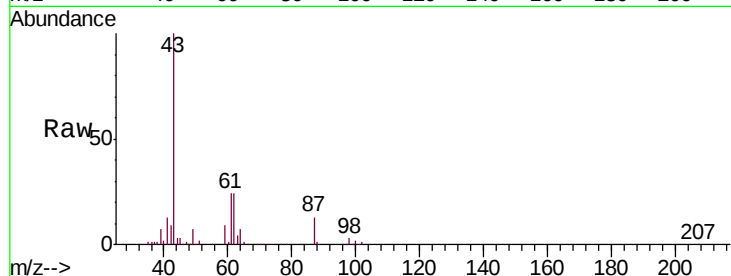
Tgt Ion: 43 Resp: 163764

Ion Ratio Lower Upper

43 100

61 31.7 26.1 39.1

87 13.5 11.4 17.0



#44

Trichloroethene

Concen: 49.228 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013951.D

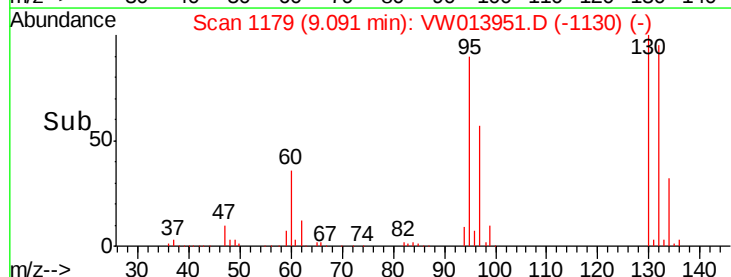
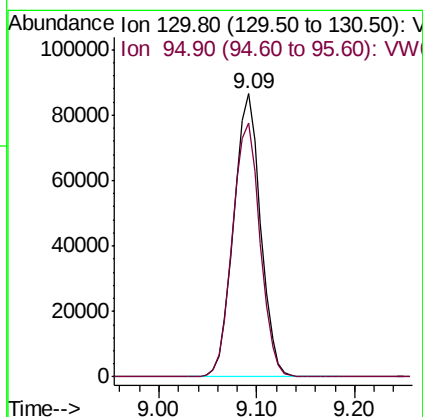
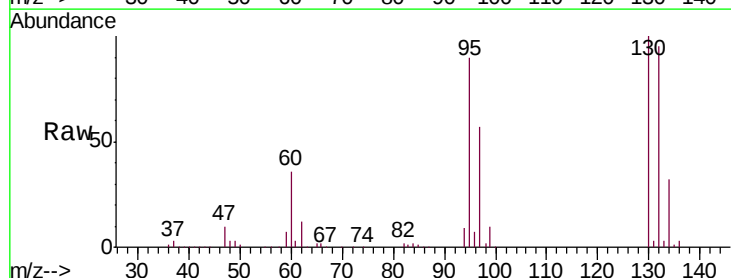
Acq: 08 Nov 2019 18:03

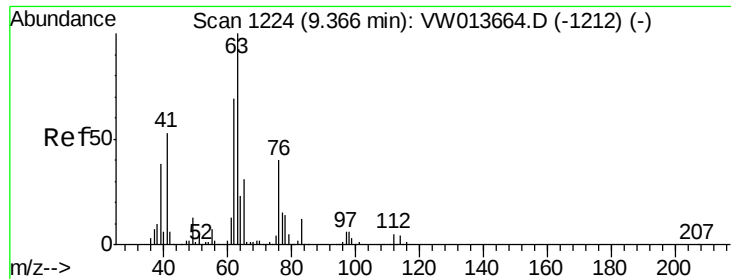
Tgt Ion: 130 Resp: 165503

Ion Ratio Lower Upper

130 100

95 89.8 0.0 184.6

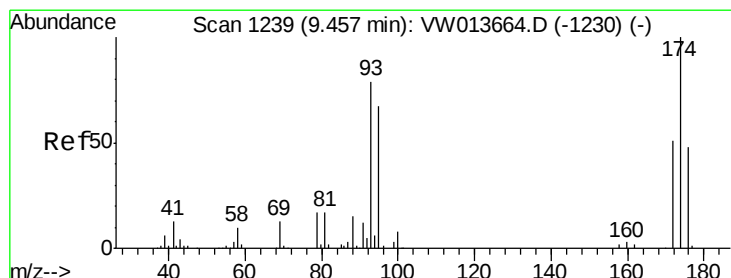
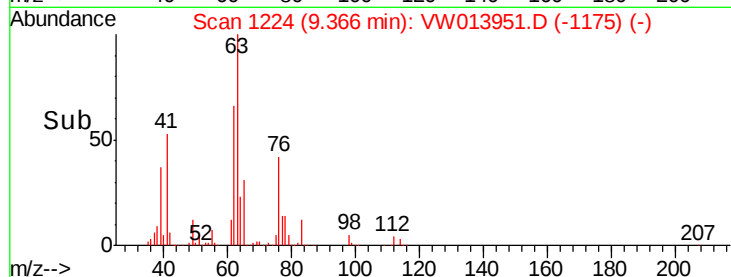
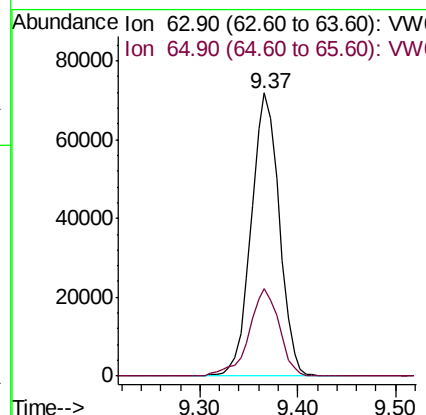
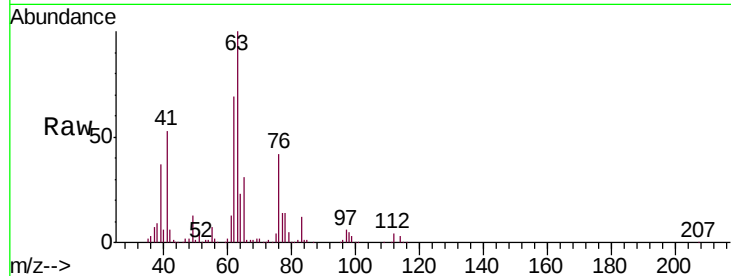




#45
 1,2-Dichloropropane
 Concen: 50.949 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

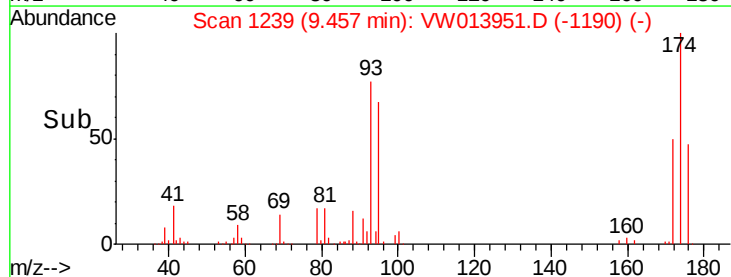
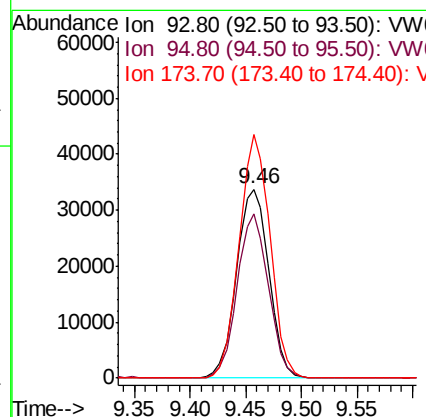
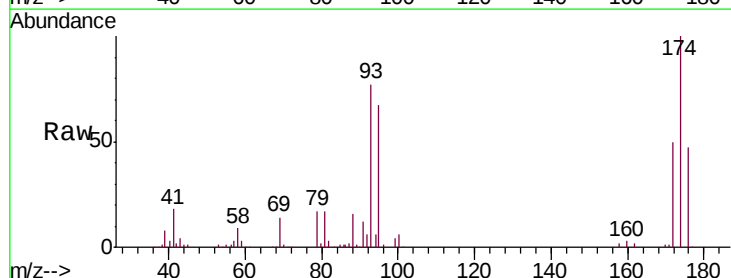
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

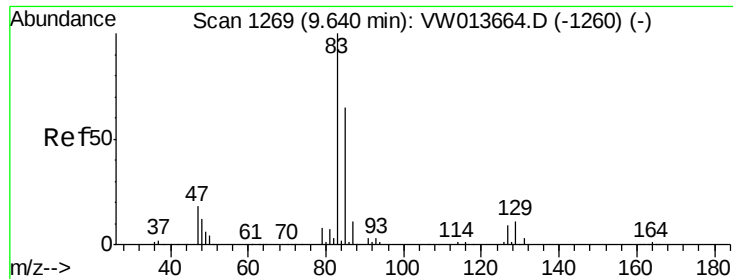
Tgt Ion: 63 Resp: 142830
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.2 37.8



#46
 Dibromomethane
 Concen: 49.917 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 93 Resp: 67920
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 123.3 99.6 149.4

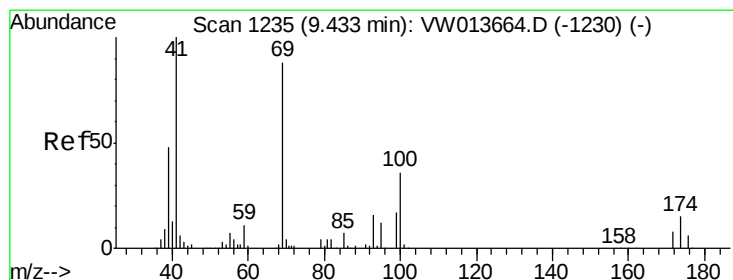
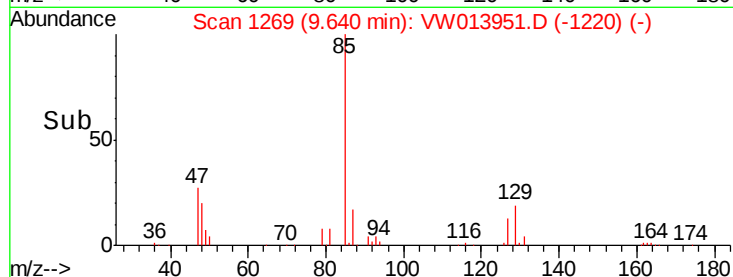
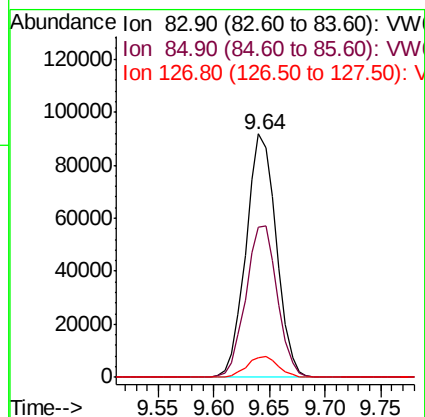
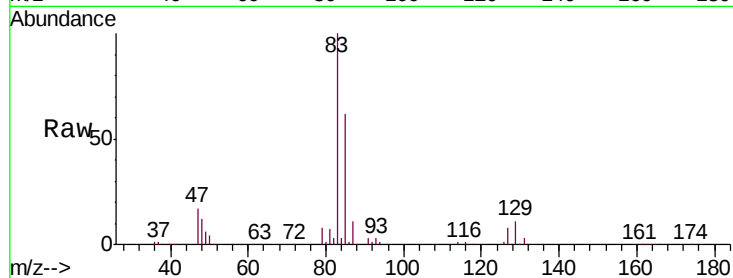




#47
 Bromodichloromethane
 Concen: 49.422 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

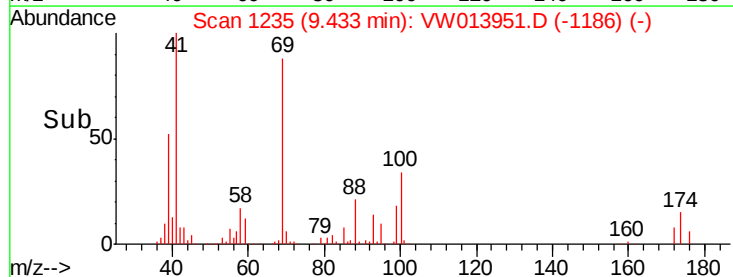
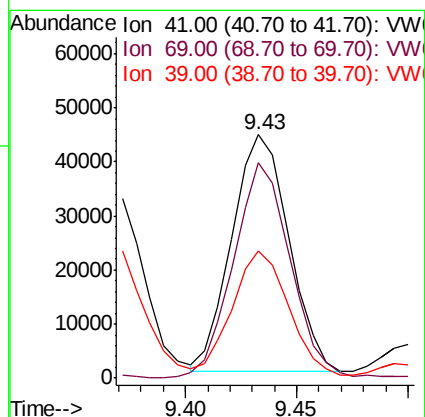
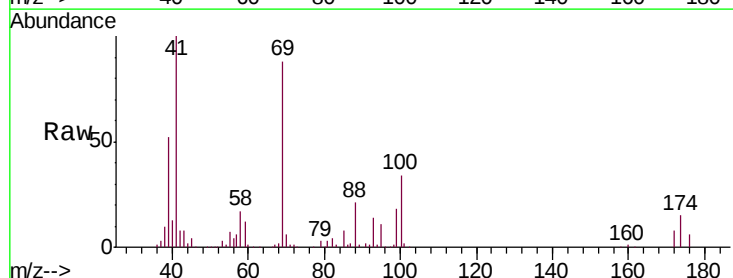
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

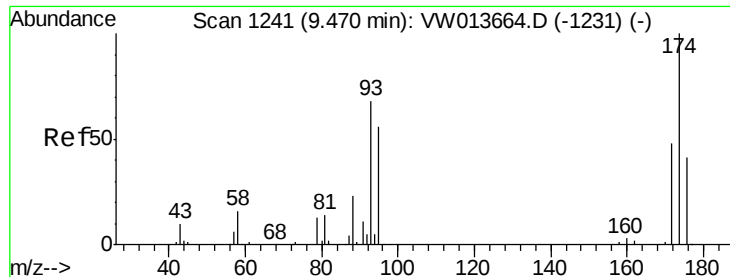
Tgt Ion: 83 Resp: 173994
 Ion Ratio Lower Upper
 83 100
 85 61.6 51.8 77.6
 127 8.2 7.3 10.9



#48
 Methyl methacrylate
 Concen: 51.858 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 41 Resp: 78147
 Ion Ratio Lower Upper
 41 100
 69 91.7 67.6 101.4
 39 51.0 38.6 58.0

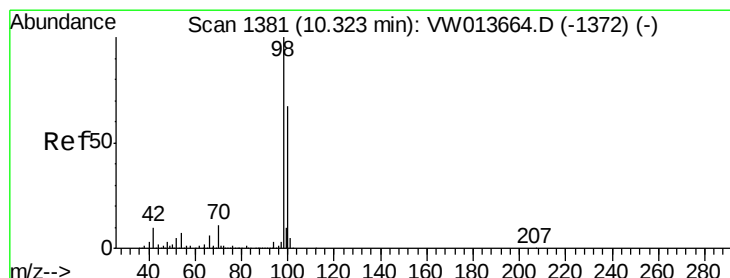
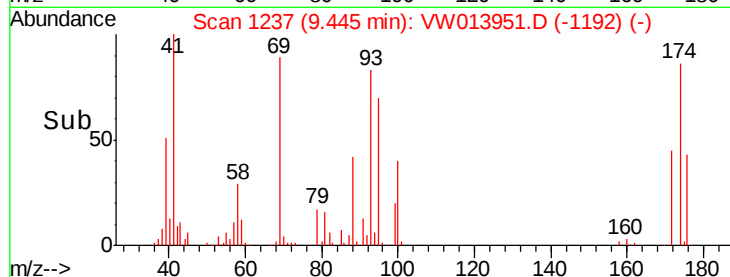
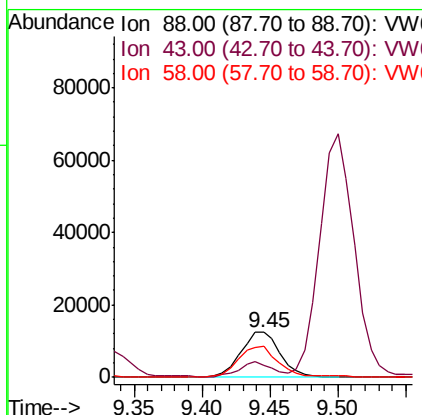
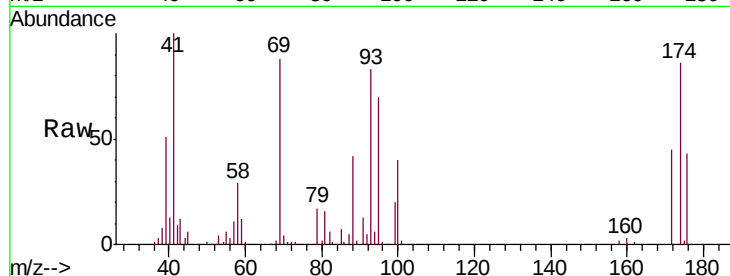




#49
1,4-Dioxane
Concen: 1259.753 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

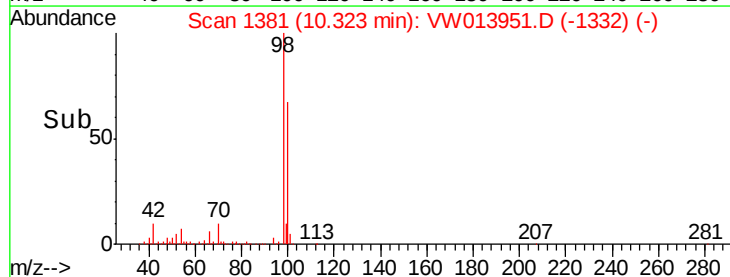
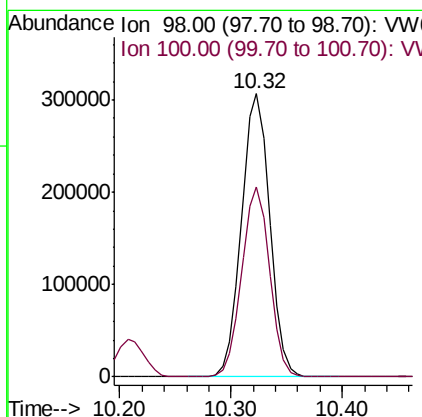
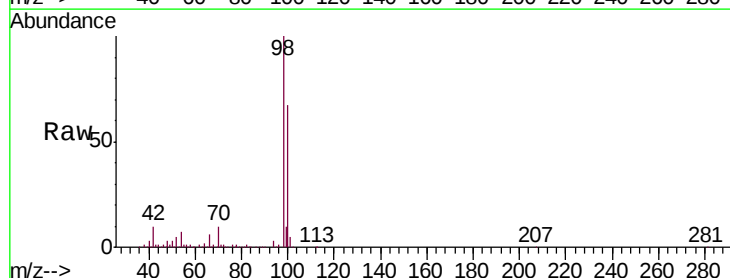
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

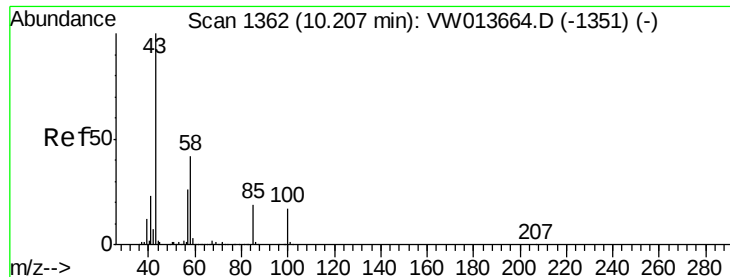
Tgt Ion: 88 Resp: 25329
Ion Ratio Lower Upper
88 100
43 28.9 0.0 0.0#
58 68.9 58.9 88.3



#50
Toluene-d8
Concen: 53.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 98 Resp: 540601
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0

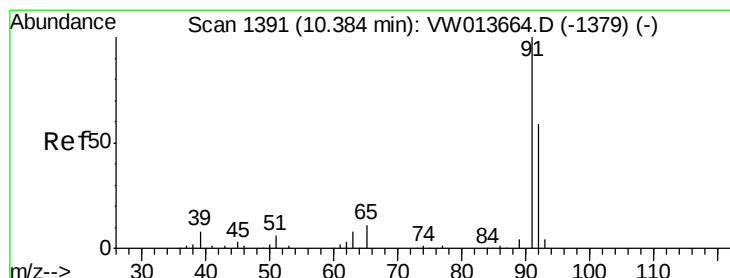
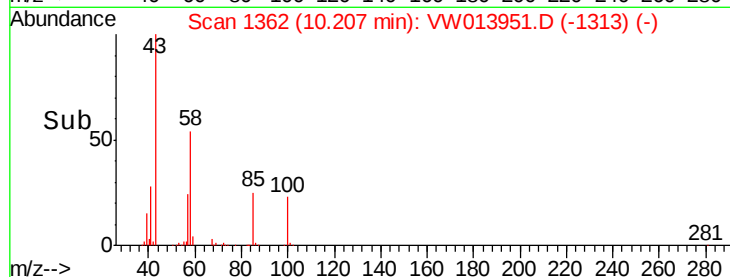
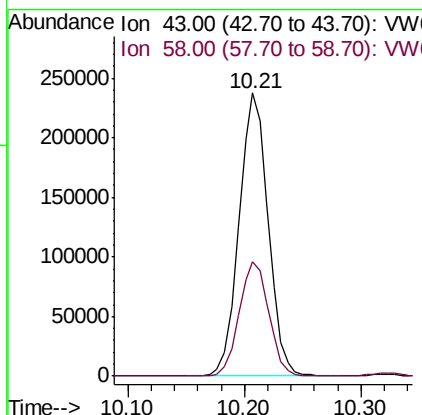
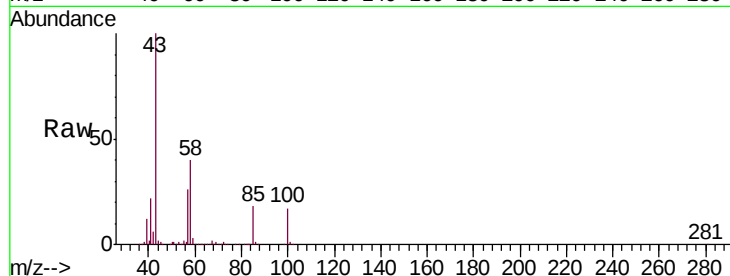




#51
 4-Methyl-2-Pentanone
 Concen: 272.876 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

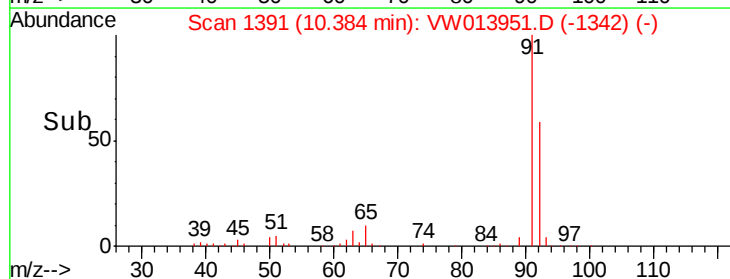
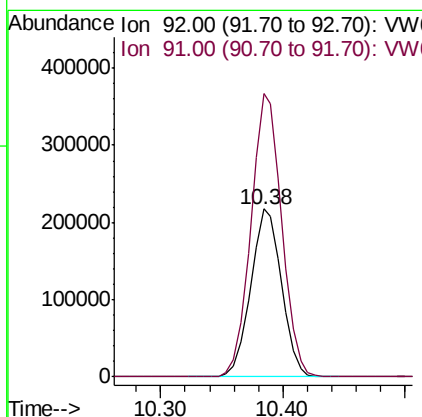
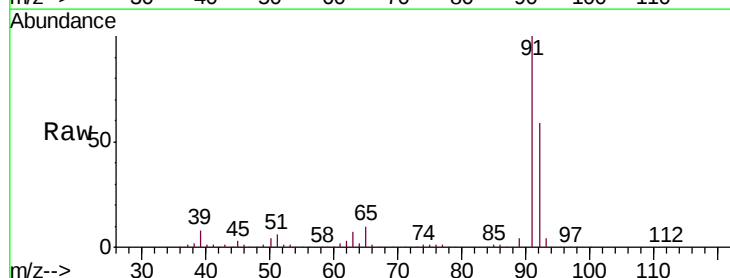
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

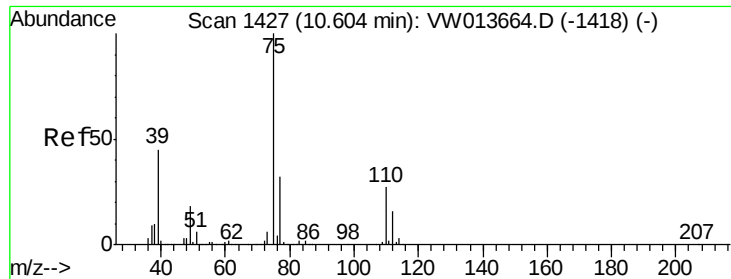
Tgt Ion: 43 Resp: 412053
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.6 49.0



#52
 Toluene
 Concen: 50.299 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 92 Resp: 380799
 Ion Ratio Lower Upper
 92 100
 91 168.3 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 51.254 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

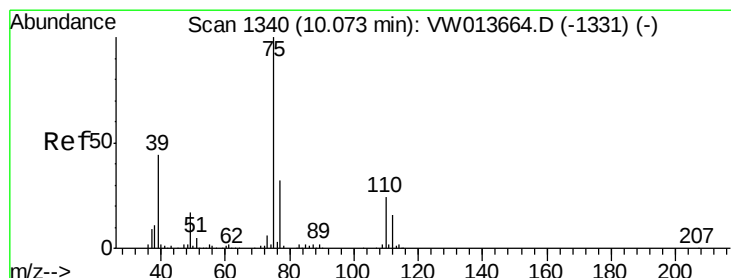
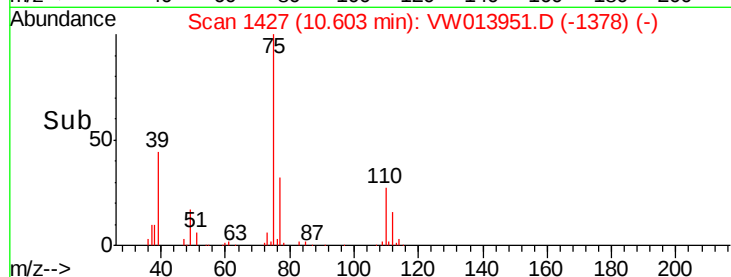
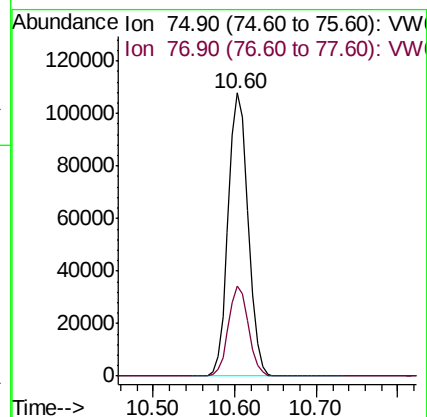
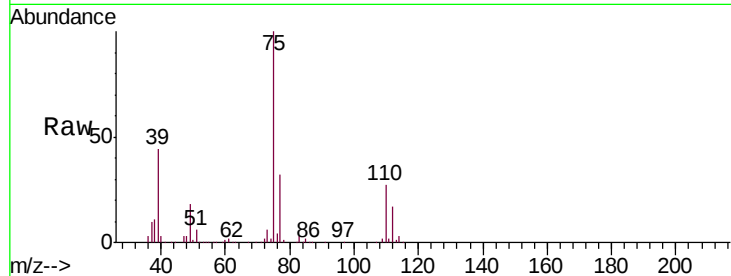
SB-38-(2-4)MSD

Tgt Ion: 75 Resp: 182670

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.712 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

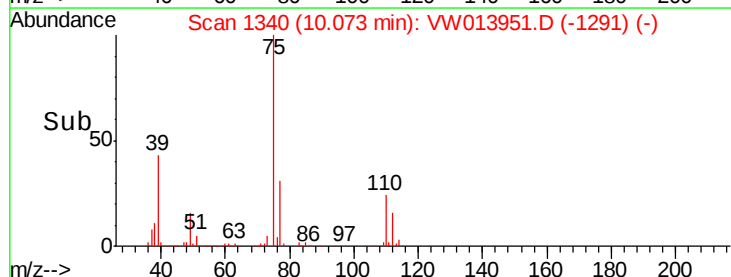
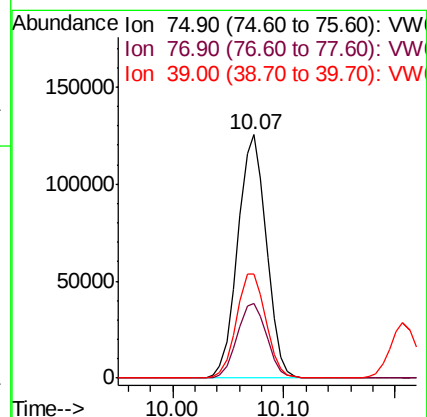
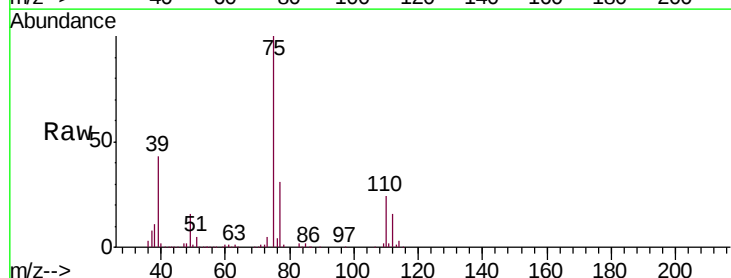
Tgt Ion: 75 Resp: 222989

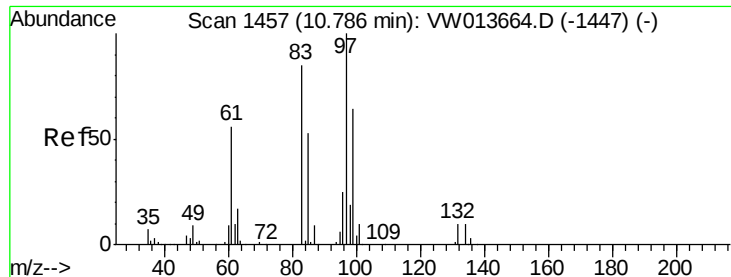
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 42.9 35.3 52.9

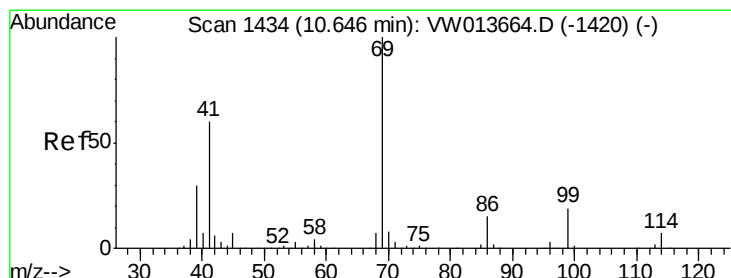
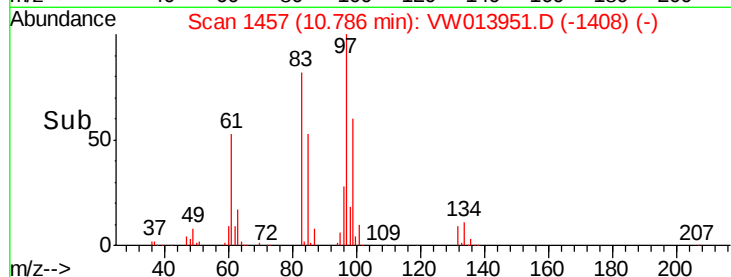
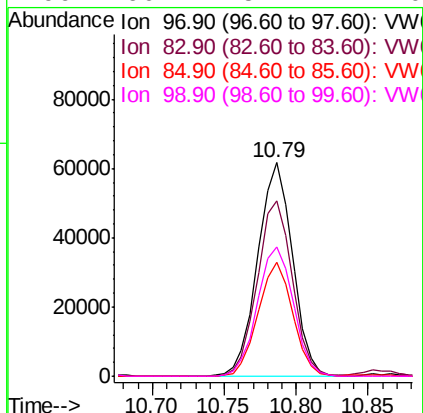
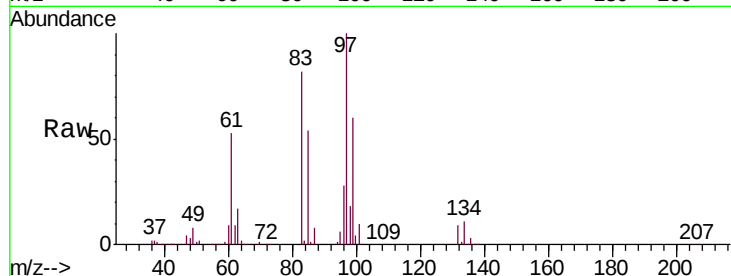




#55
1,1,2-Trichloroethane
Concen: 50.784 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

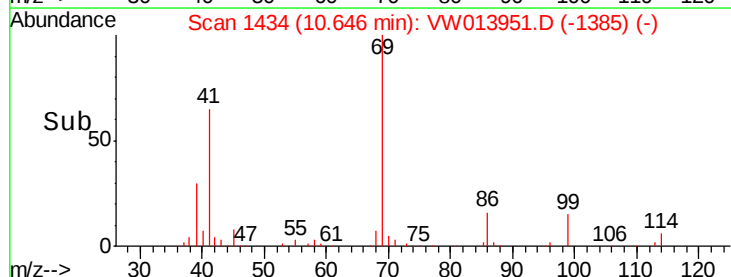
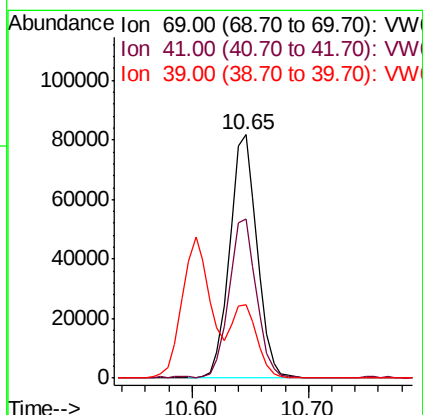
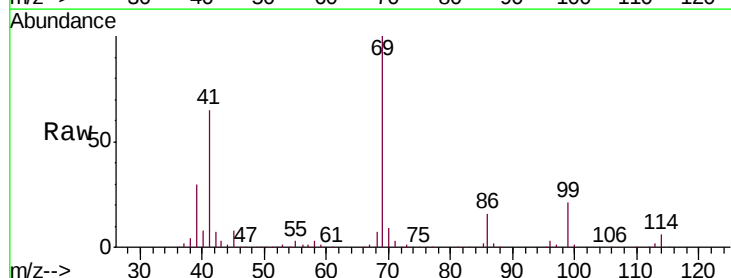
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

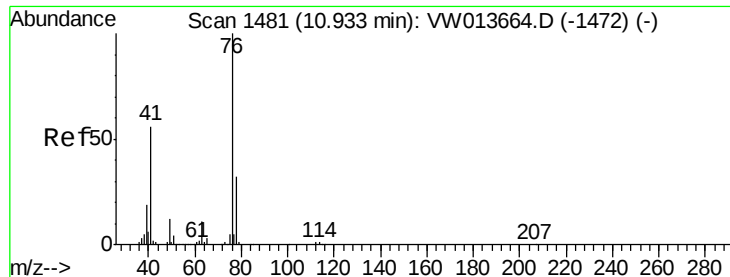
Tgt Ion:	97	Resp:	102981
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.8	101.8
85	53.6	42.1	63.1
99	60.4	51.4	77.0



#56
Ethyl methacrylate
Concen: 52.747 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:	69	Resp:	133824
Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.6	77.4
39	27.8	22.4	33.6

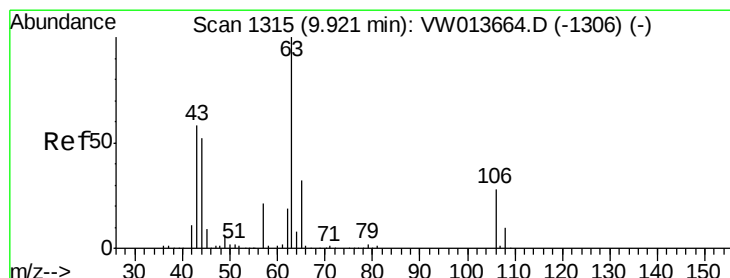
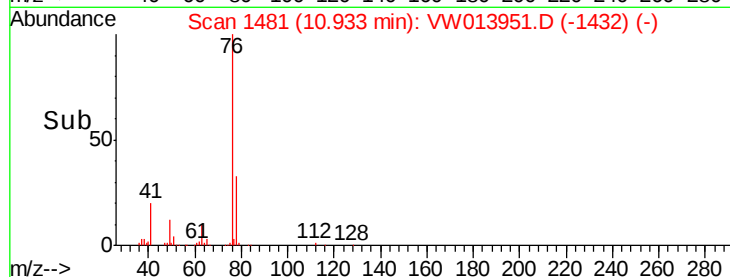
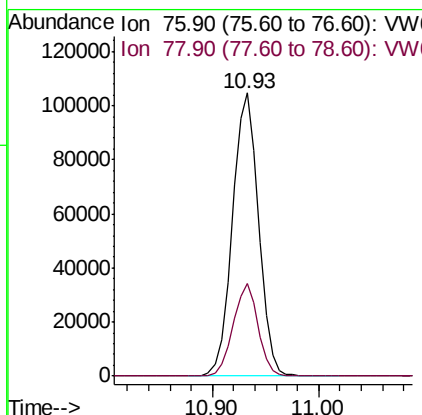
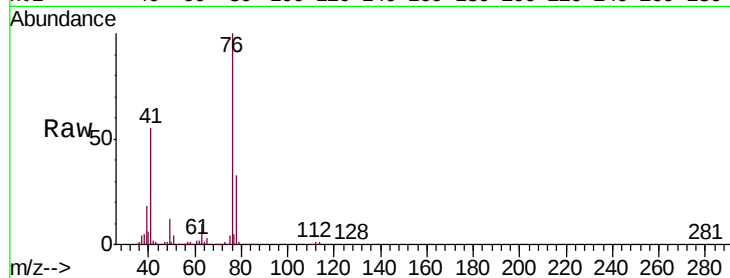




#57
 1,3-Dichloropropane
 Concen: 51.629 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

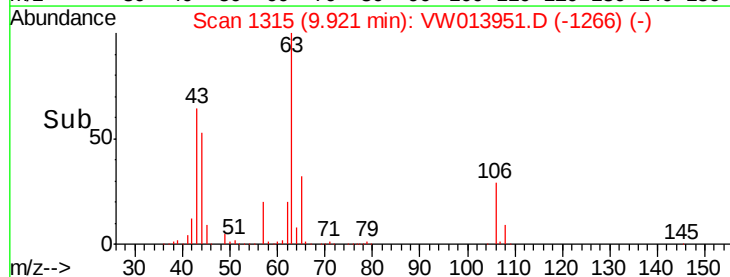
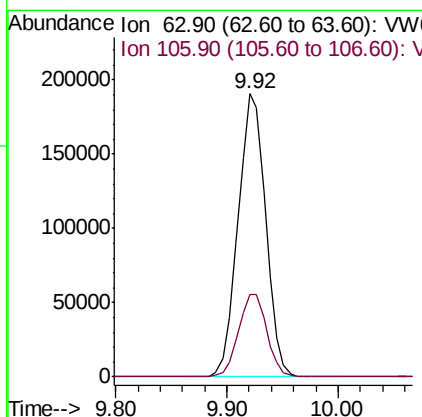
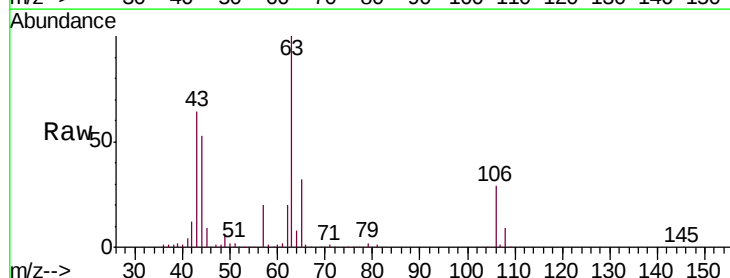
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

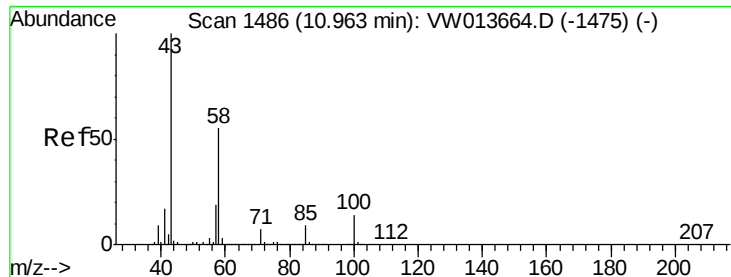
Tgt Ion: 76 Resp: 179662
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.893 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 63 Resp: 327985
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.8

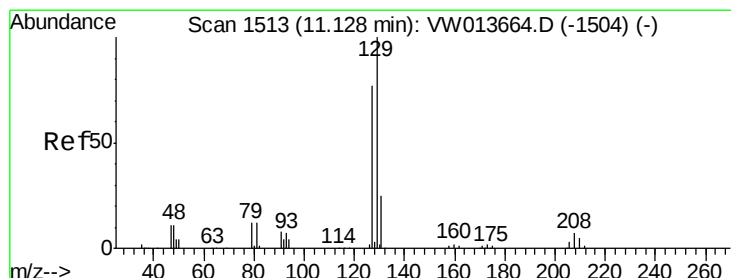
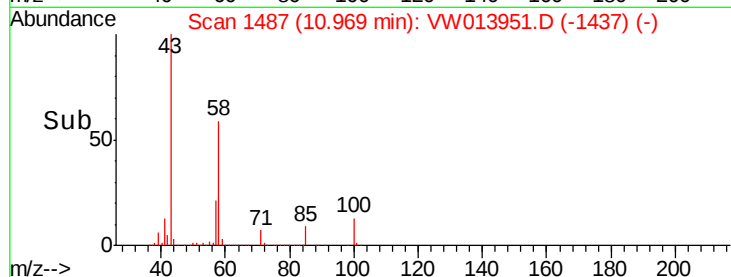
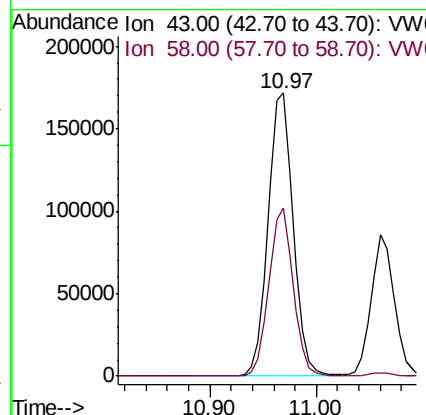
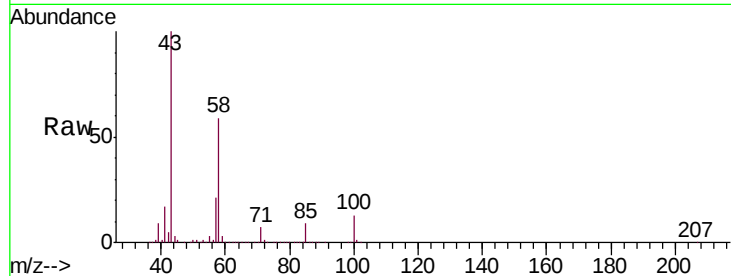




#59
2-Hexanone
Concen: 274.186 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

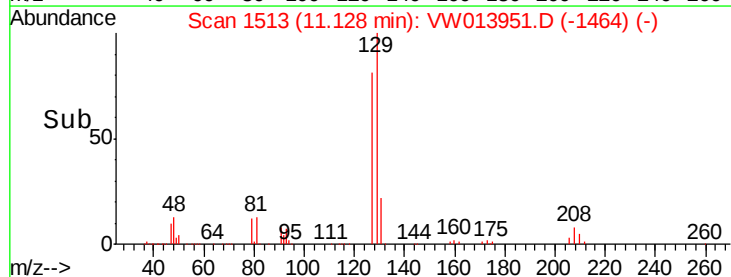
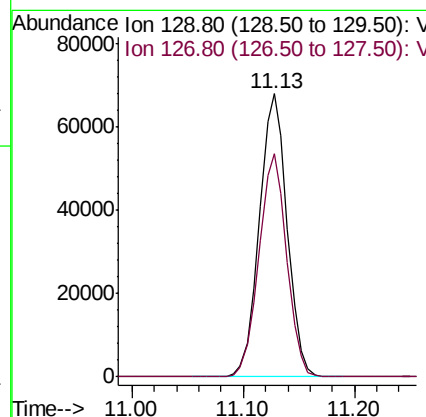
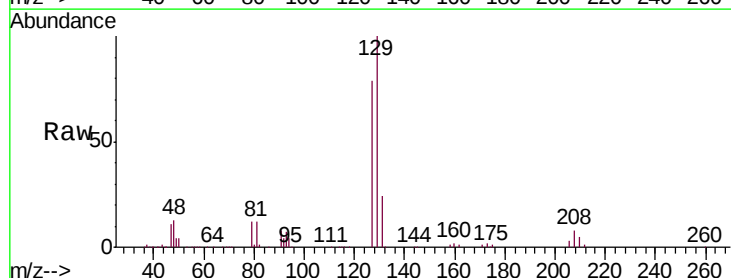
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

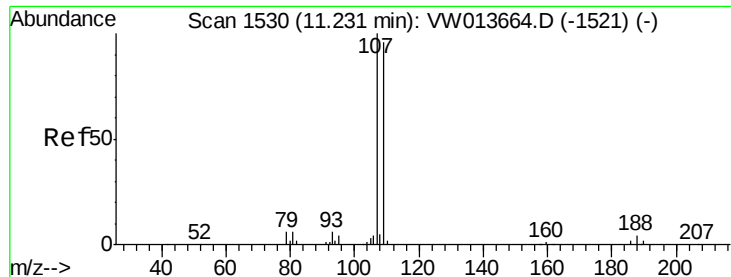
Tgt Ion: 43 Resp: 285431
Ion Ratio Lower Upper
43 100
58 57.6 27.9 83.7



#60
Dibromochloromethane
Concen: 49.118 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 129 Resp: 118260
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.7

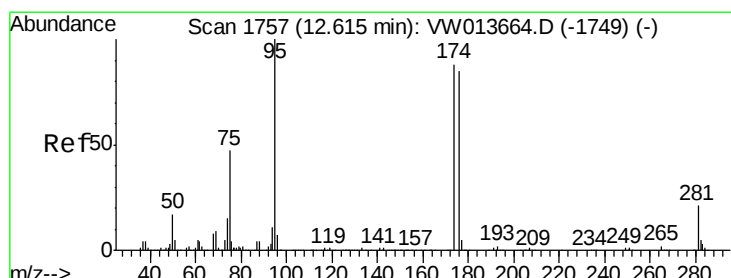
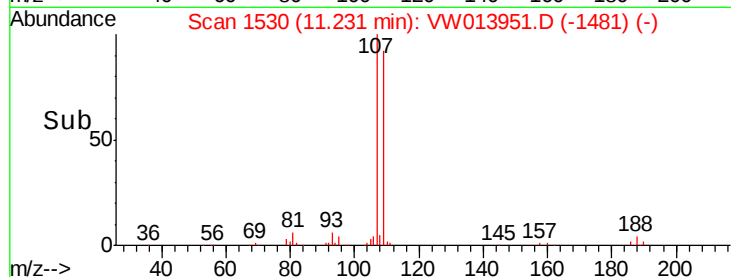
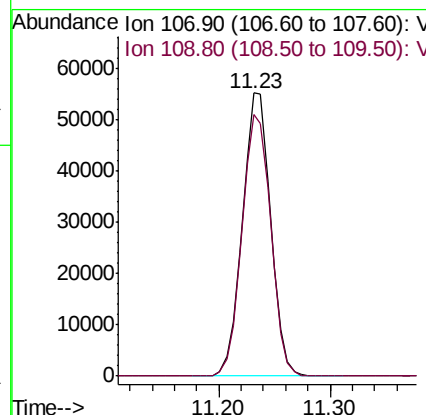
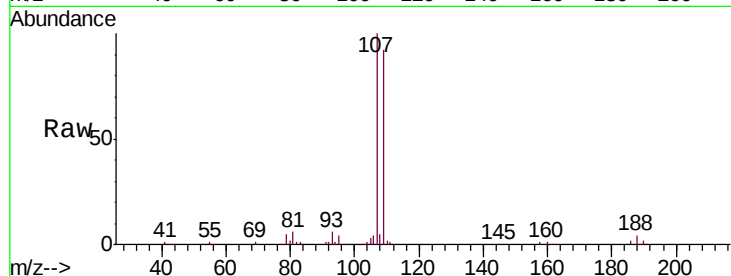




#61
 1,2-Dibromoethane
 Concen: 50.450 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

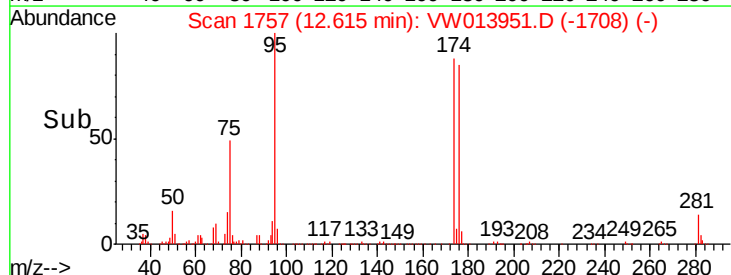
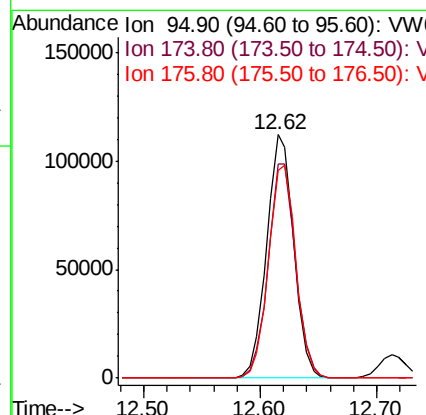
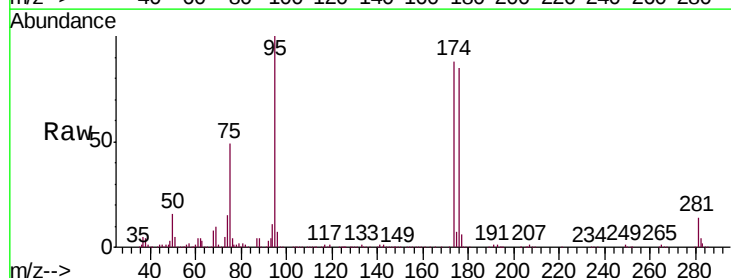
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

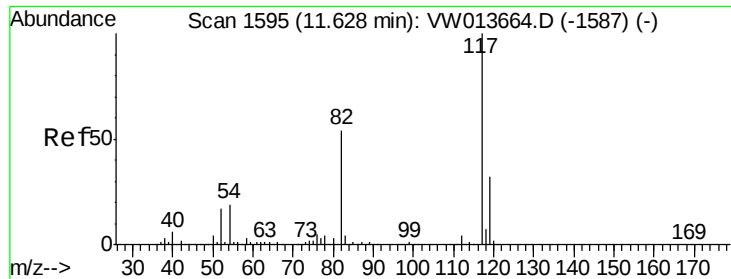
Tgt Ion: 107 Resp: 96787
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.271 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 95 Resp: 181868
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 183.6
 176 88.6 0.0 178.0

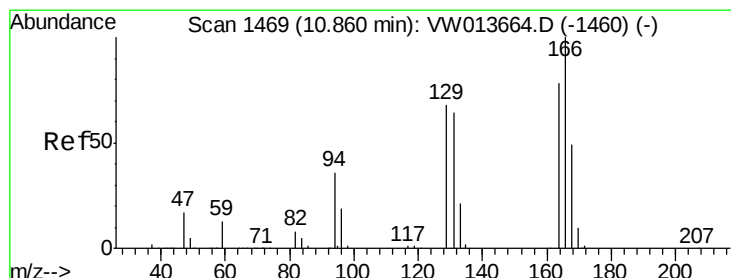
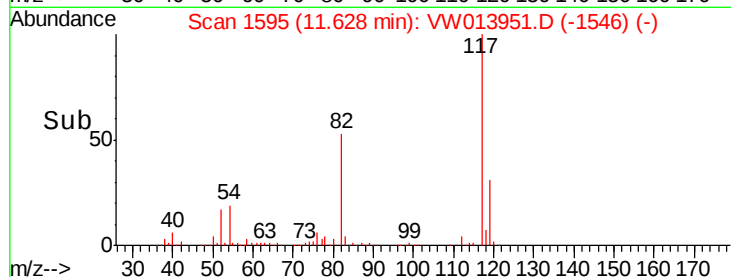
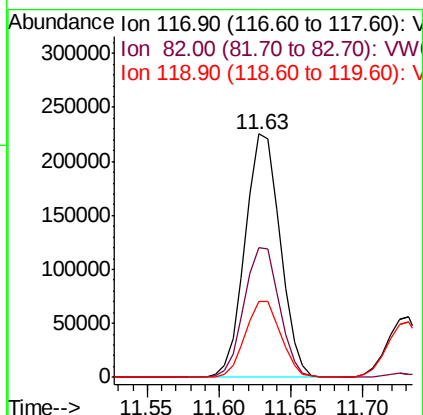
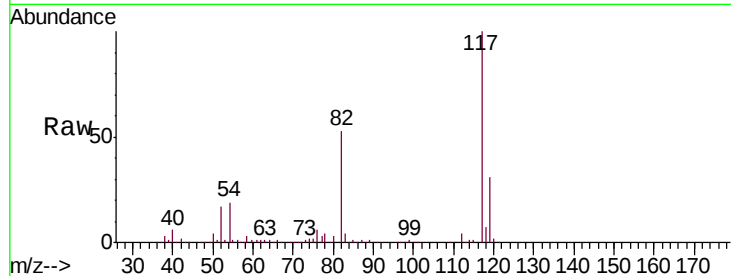




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

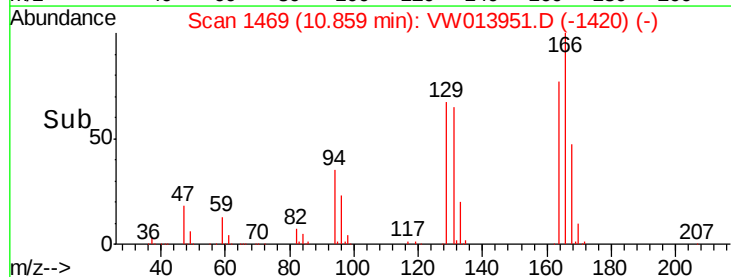
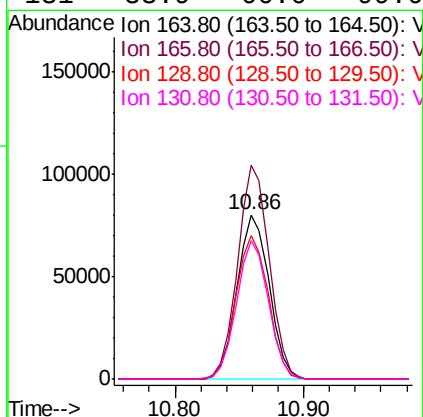
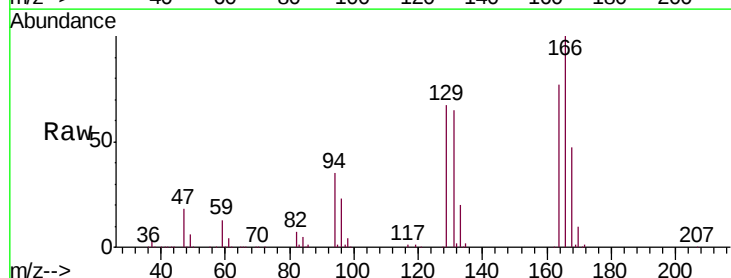
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

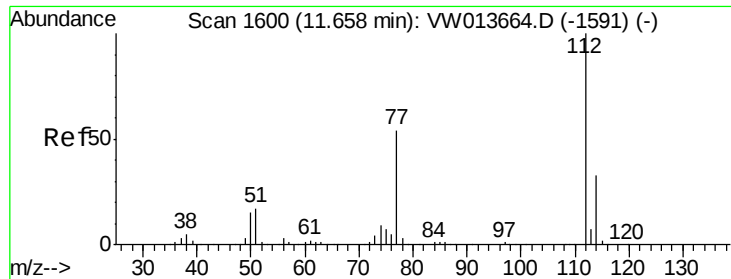
Tgt Ion:117 Resp: 380826
Ion Ratio Lower Upper
117 100
82 53.0 43.6 65.4
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 47.592 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:164 Resp: 138476
Ion Ratio Lower Upper
164 100
166 130.0 103.2 154.8
129 87.2 70.6 105.8
131 83.9 66.0 99.0

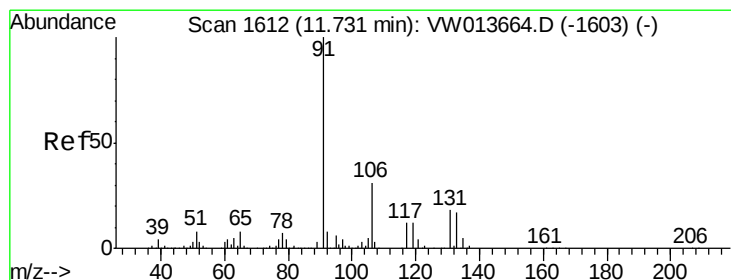
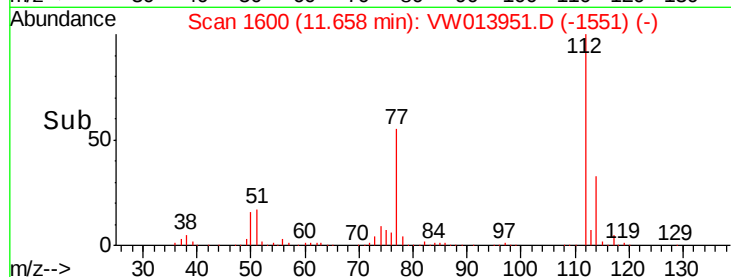
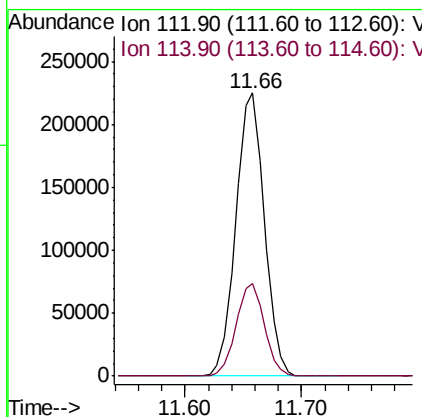
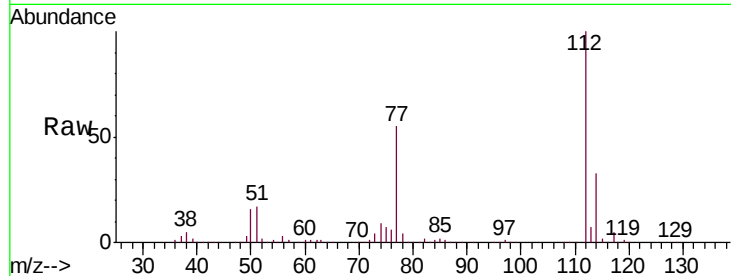




#65
Chlorobenzene
Concen: 49.235 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

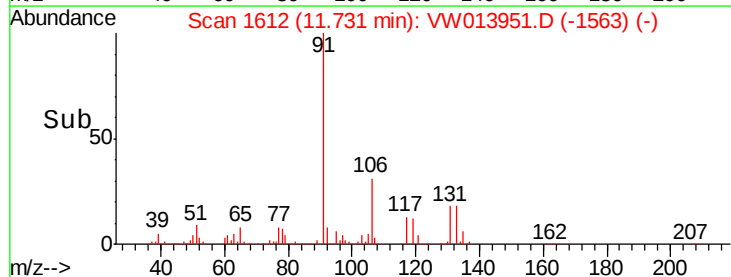
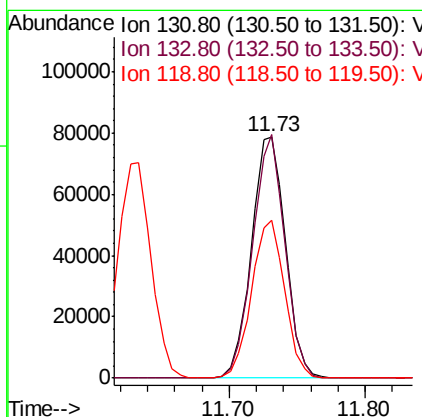
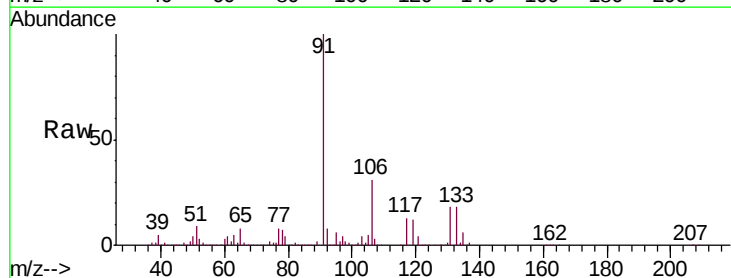
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

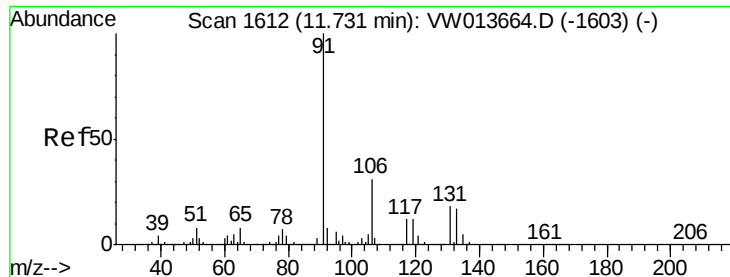
Tgt Ion:112 Resp: 385295
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:131 Resp: 138380
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 63.6 33.1 99.2





#67

Ethyl Benzene

Concen: 50.042 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

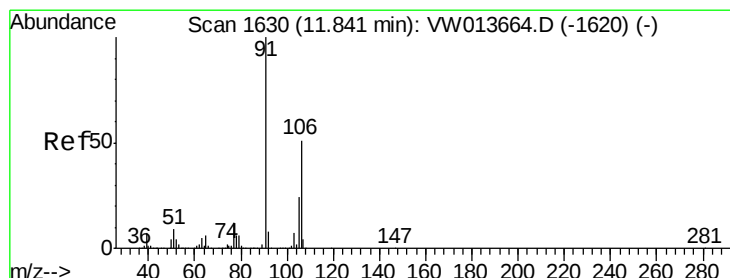
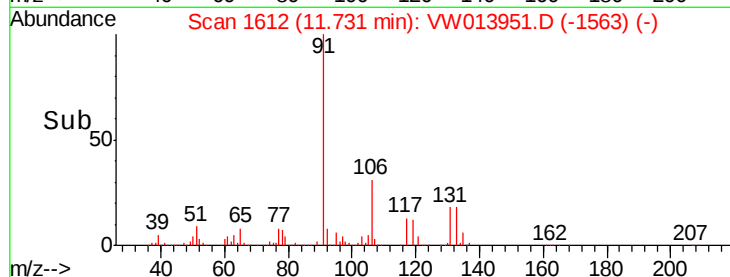
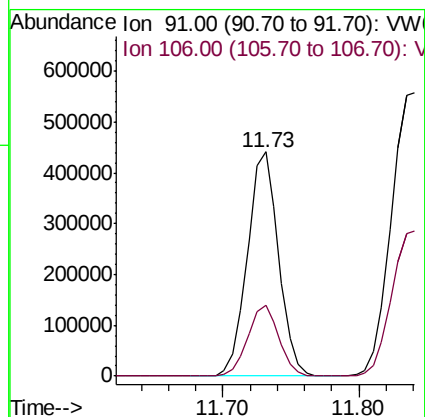
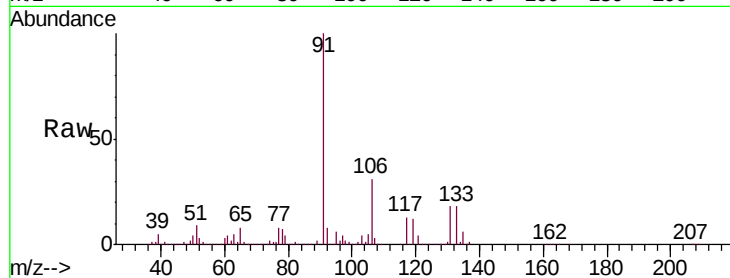
SB-38-(2-4)MSD

Tgt Ion: 91 Resp: 706140

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6



#68

m/p-Xylenes

Concen: 100.737 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013951.D

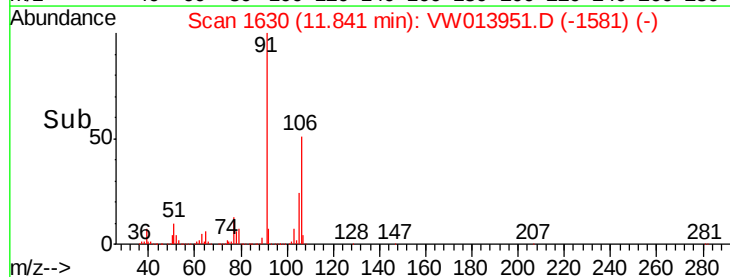
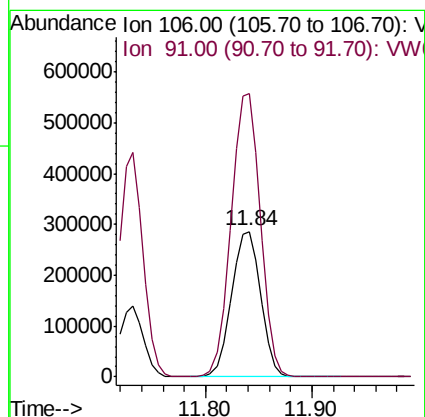
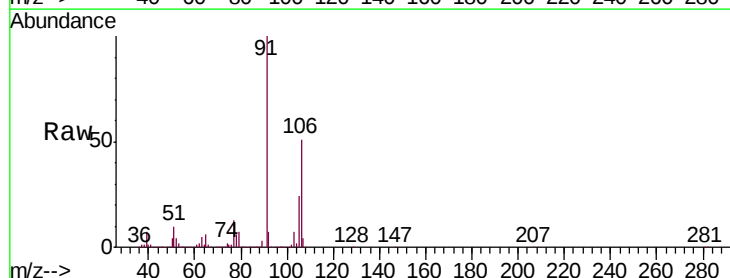
Acq: 08 Nov 2019 18:03

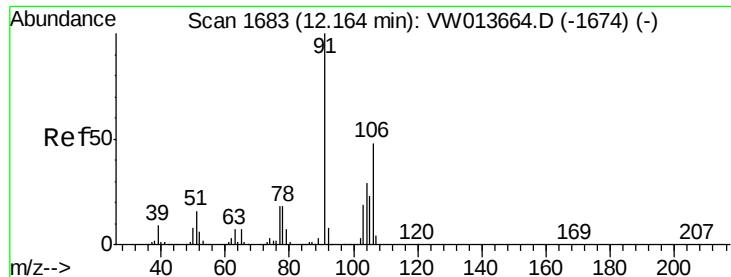
Tgt Ion: 106 Resp: 549201

Ion Ratio Lower Upper

106 100

91 195.4 159.2 238.8

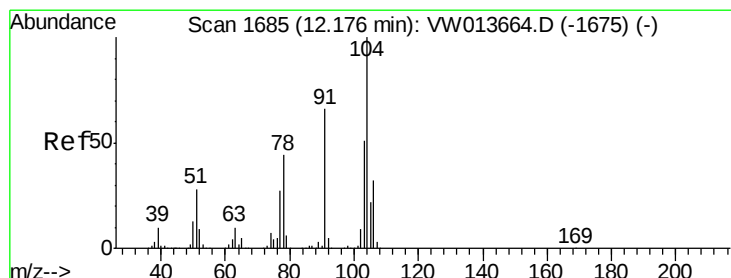
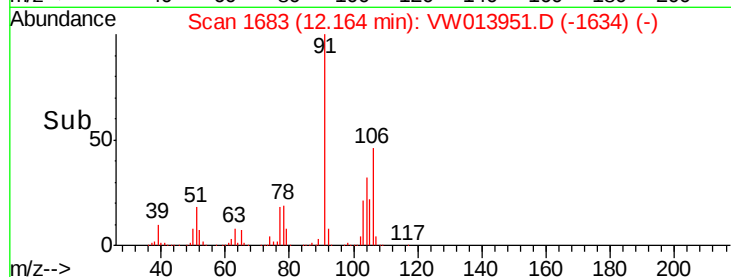
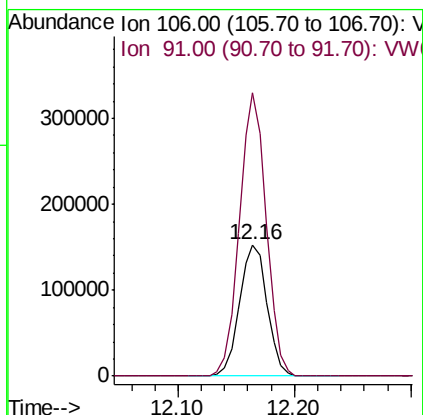
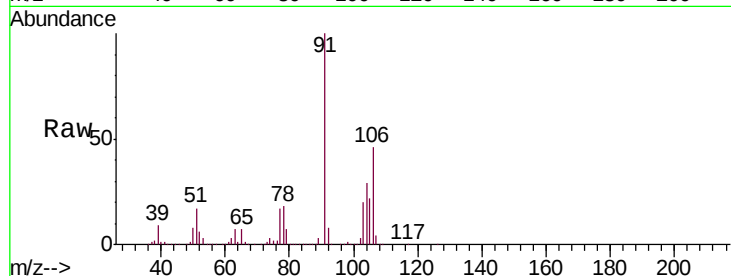




#69
o-Xylene
Concen: 50.399 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

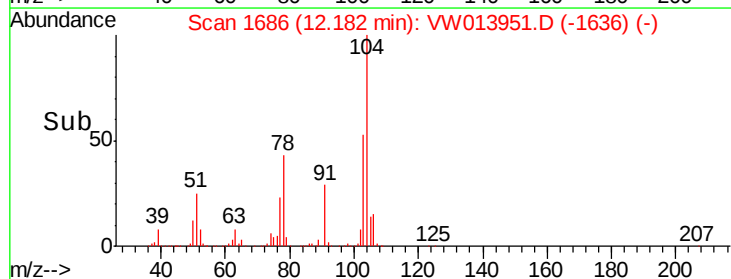
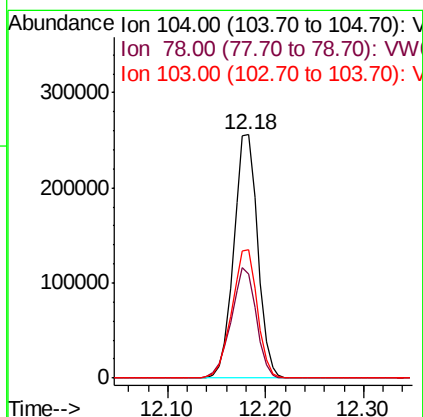
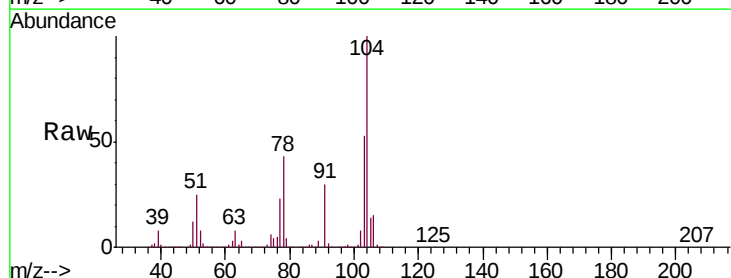
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

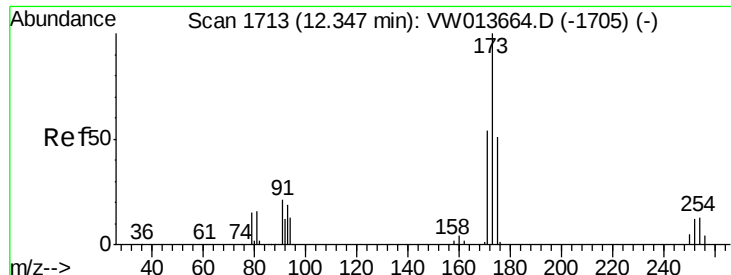
Tgt Ion:106 Resp: 252559
Ion Ratio Lower Upper
106 100
91 208.7 104.9 314.7



#70
Styrene
Concen: 50.451 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:104 Resp: 434381
Ion Ratio Lower Upper
104 100
78 47.4 37.1 55.7
103 55.7 43.6 65.4





#71

Bromoform

Concen: 49.819 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

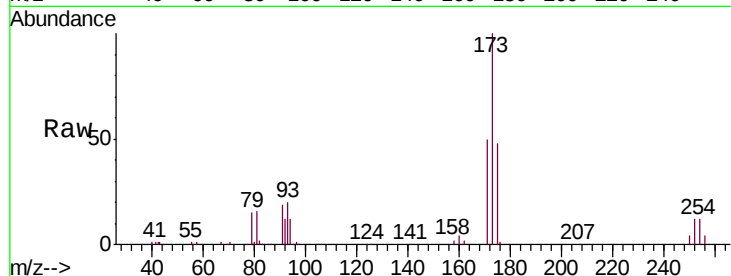
Tgt Ion:173 Resp: 71403

Ion Ratio Lower Upper

173 100

175 47.4 25.2 75.6

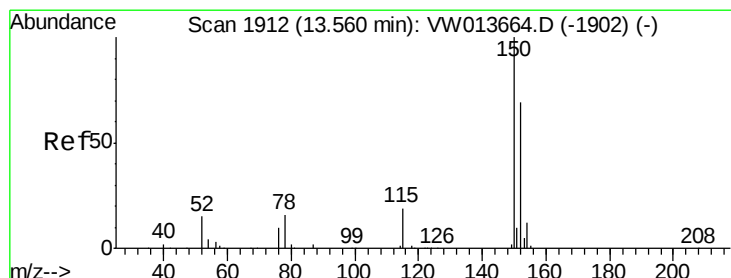
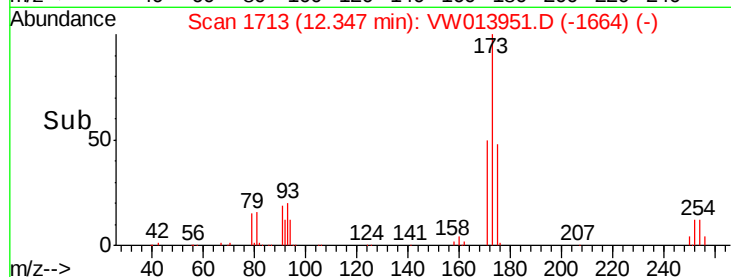
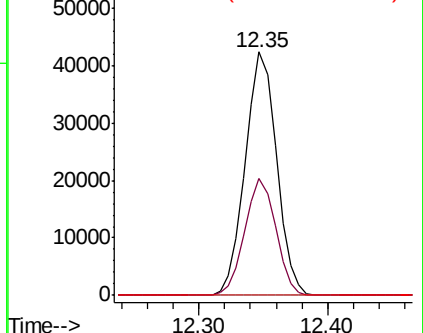
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

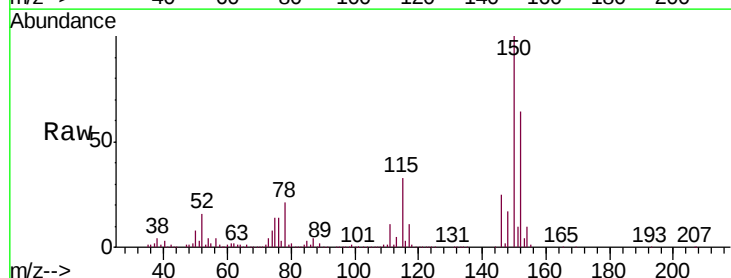
Tgt Ion:152 Resp: 190073

Ion Ratio Lower Upper

152 100

115 54.7 27.4 82.2

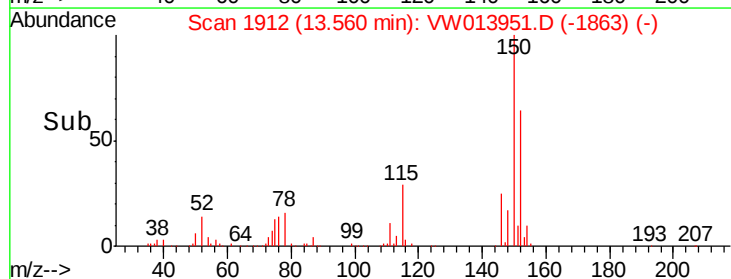
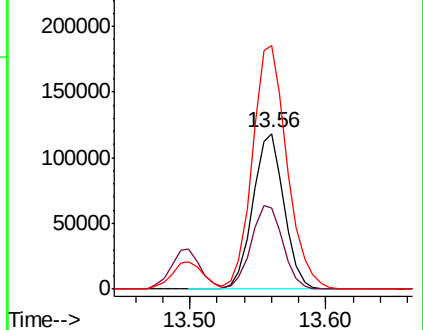
150 173.7 0.0 345.4

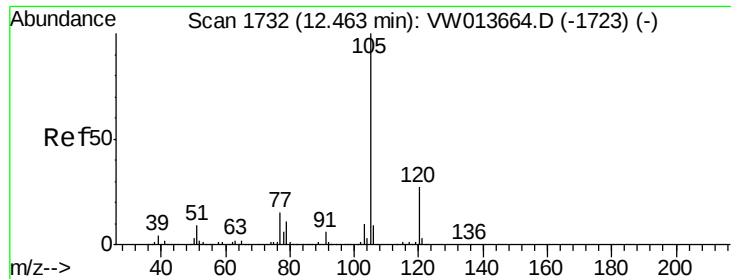


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.849 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

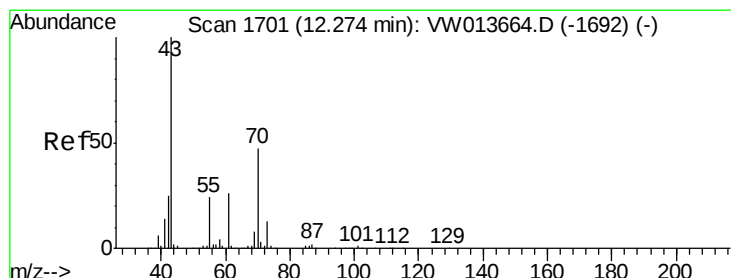
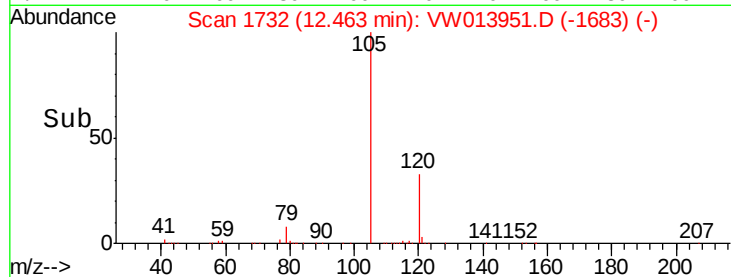
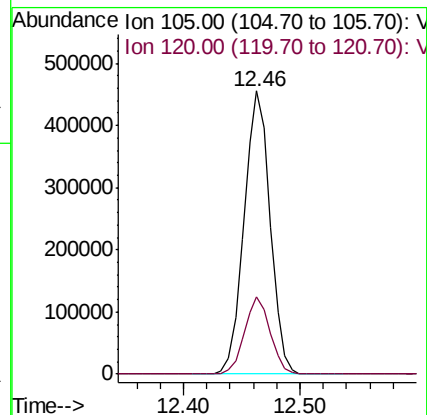
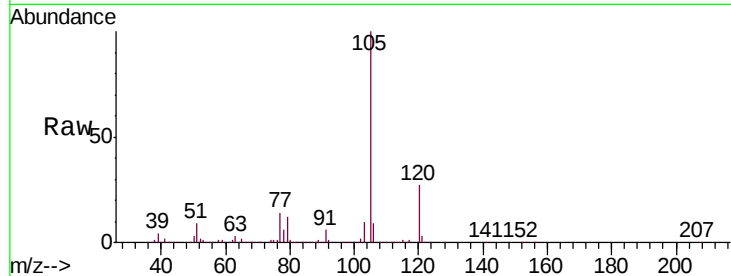
SB-38-(2-4)MSD

Tgt Ion:105 Resp: 707723

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 51.875 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion: 43 Resp: 136974

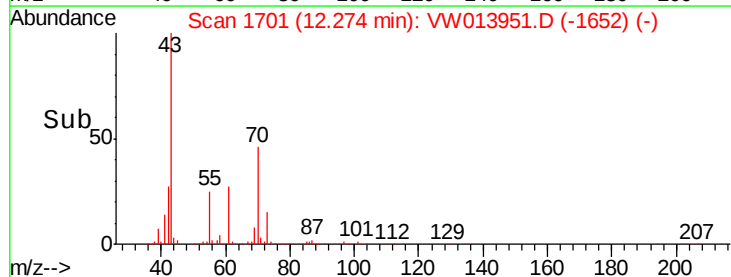
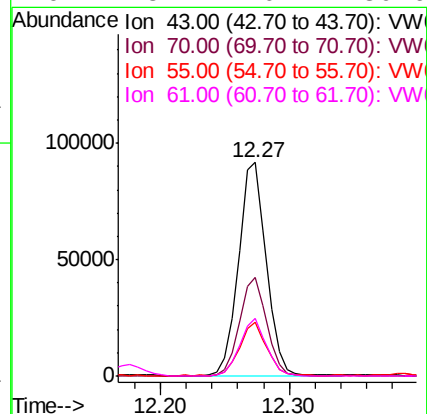
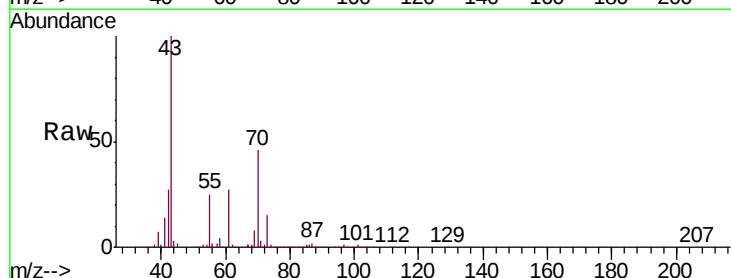
Ion Ratio Lower Upper

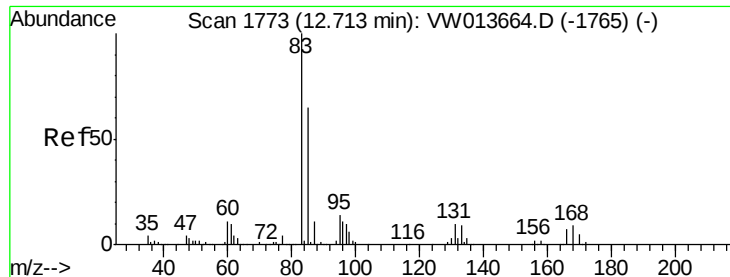
43 100

70 45.5 36.6 55.0

55 24.2 20.3 30.5

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.955 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

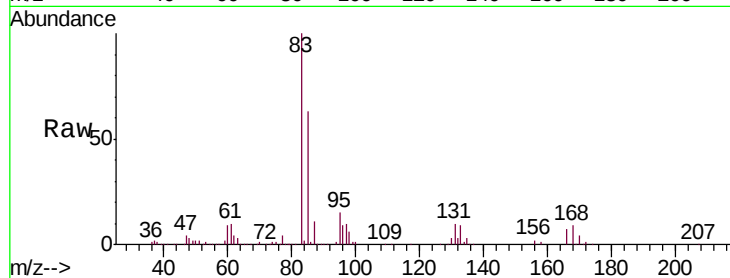
Tgt Ion: 83 Resp: 116218

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

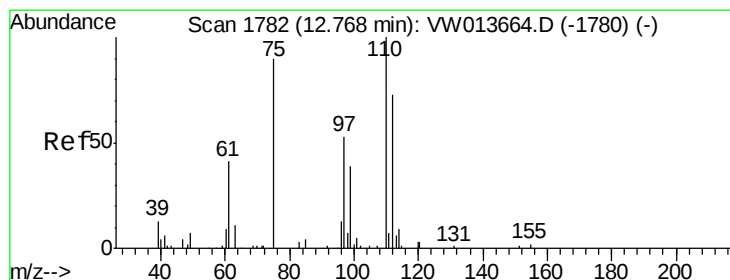
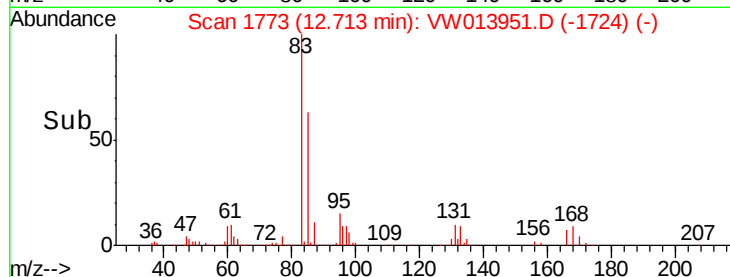
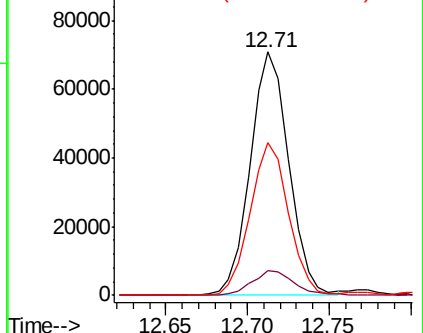
85 62.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 105.640 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013951.D

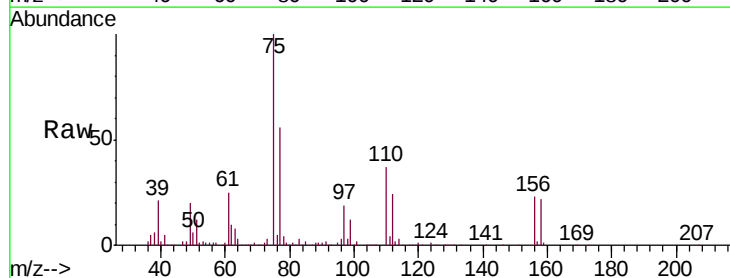
Acq: 08 Nov 2019 18:03

Tgt Ion: 75 Resp: 144198

Ion Ratio Lower Upper

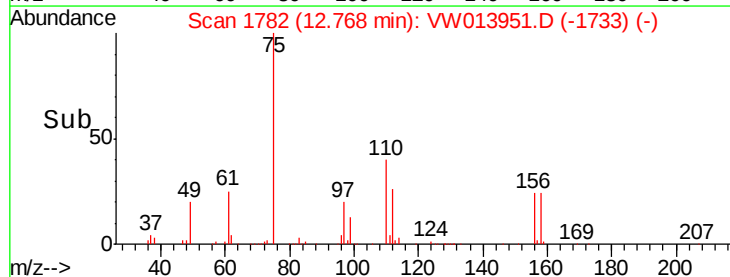
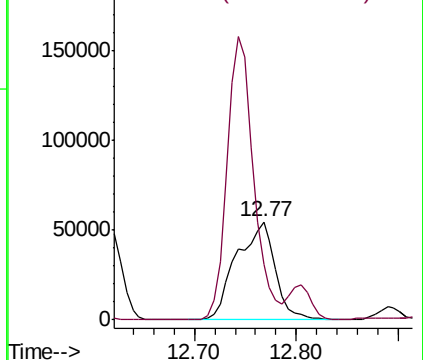
75 100

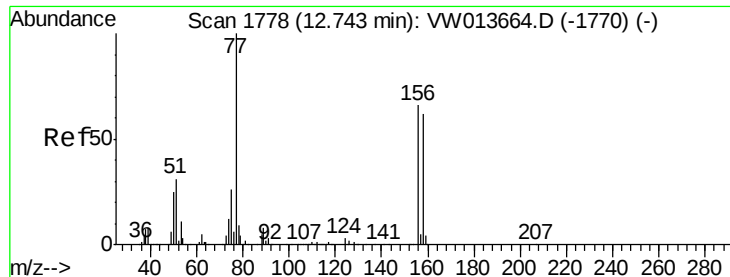
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.266 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

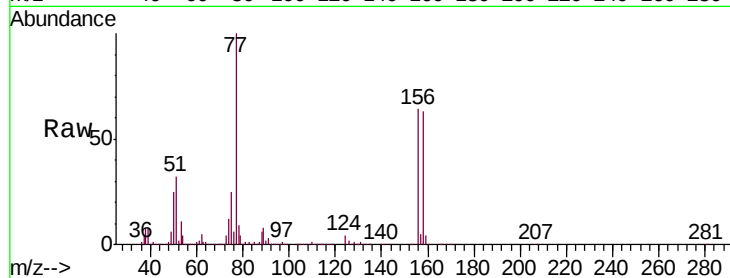
Tgt Ion: 156 Resp: 167166

Ion Ratio Lower Upper

156 100

77 170.0 82.9 248.7

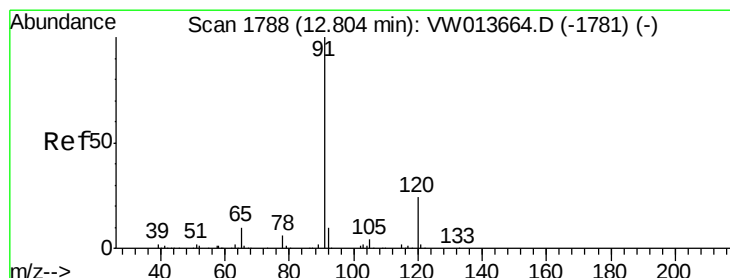
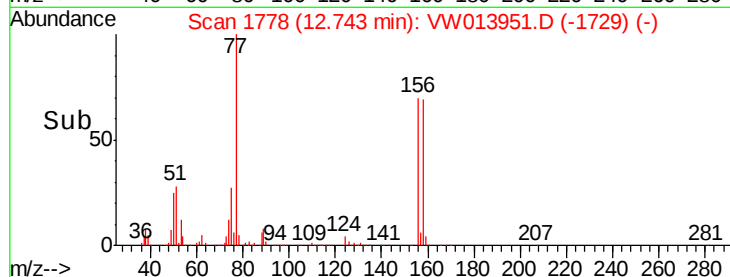
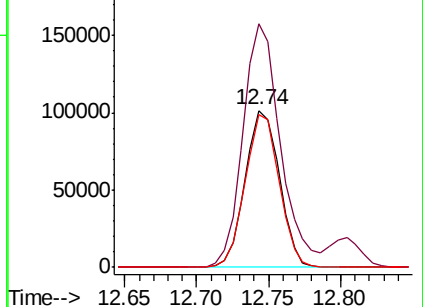
158 96.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.024 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013951.D

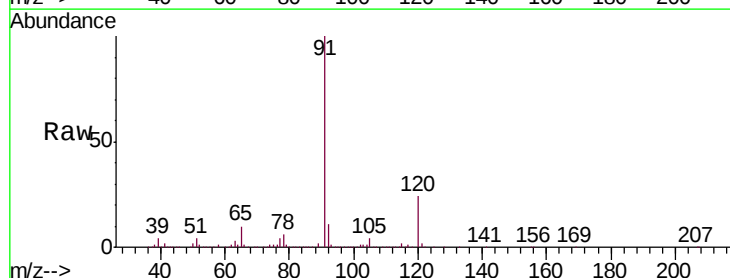
Acq: 08 Nov 2019 18:03

Tgt Ion: 91 Resp: 806113

Ion Ratio Lower Upper

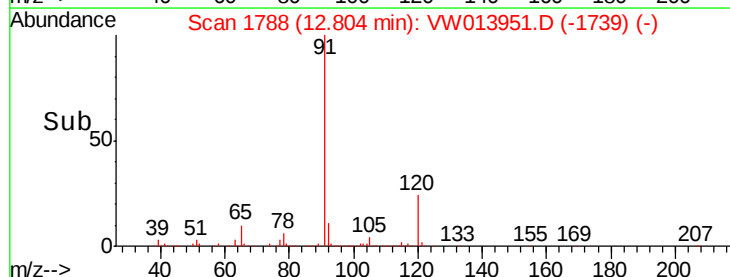
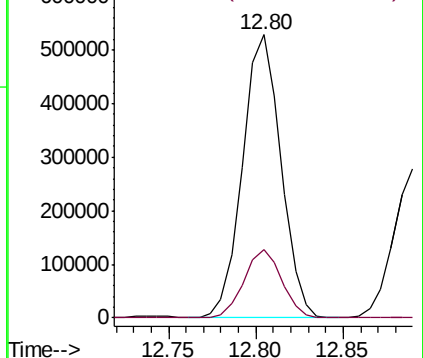
91 100

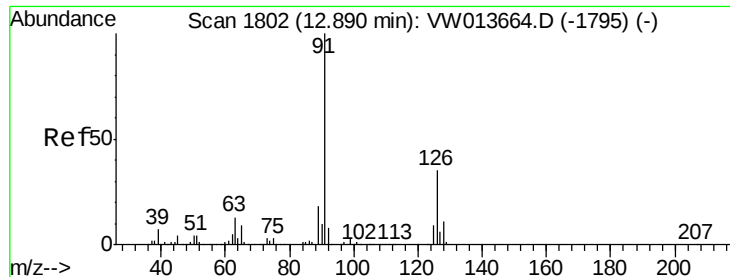
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.315 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

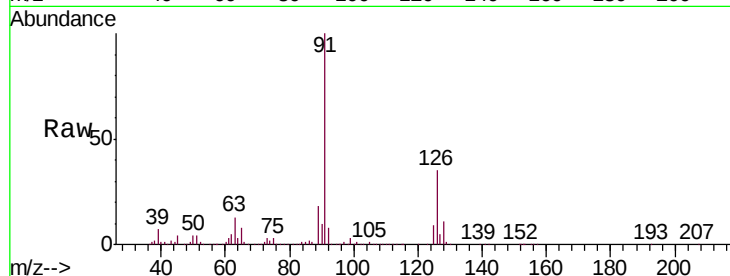
SB-38-(2-4)MSD

Tgt Ion: 91 Resp: 455596

Ion Ratio Lower Upper

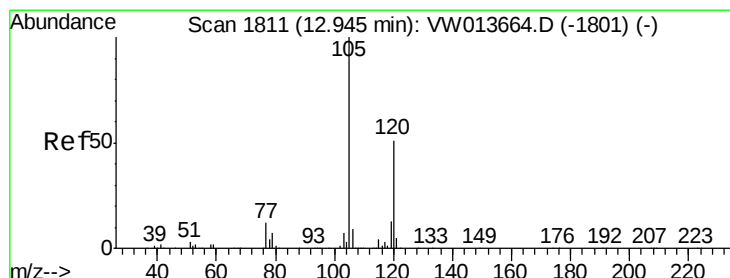
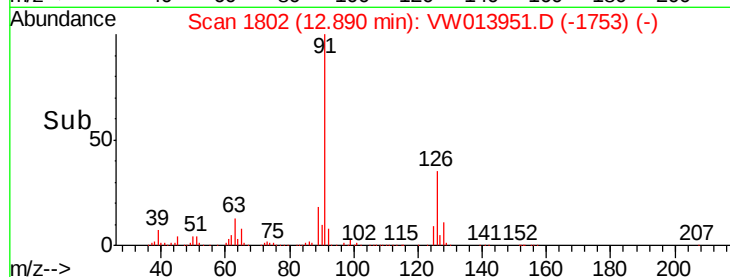
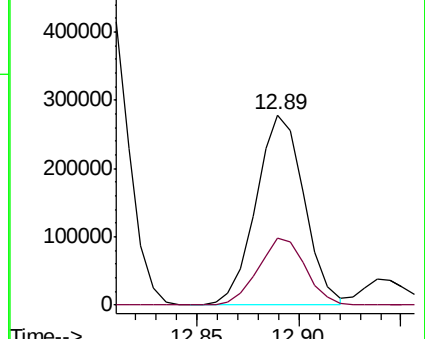
91 100

126 35.0 17.4 52.2



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: 51.604 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013951.D

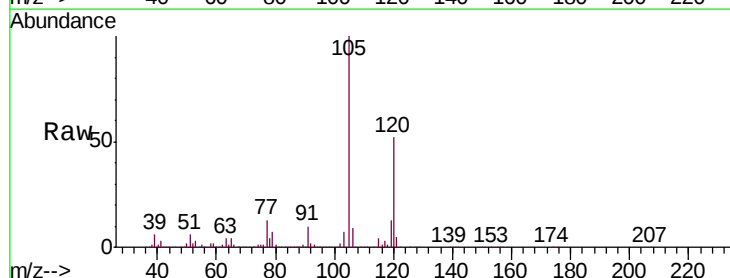
Acq: 08 Nov 2019 18:03

Tgt Ion: 105 Resp: 594608

Ion Ratio Lower Upper

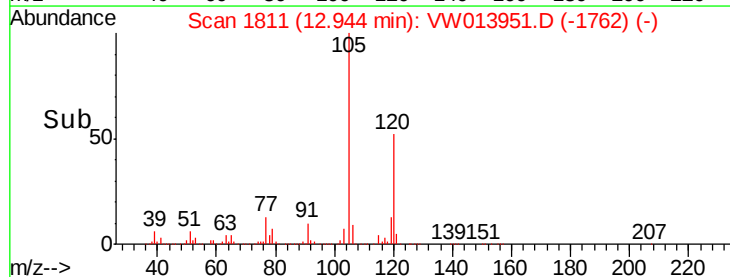
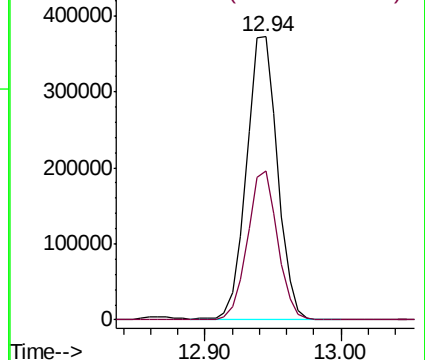
105 100

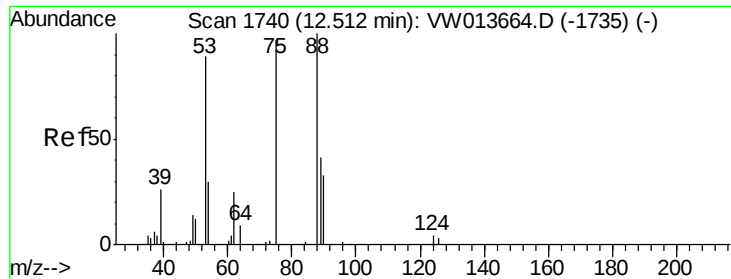
120 51.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

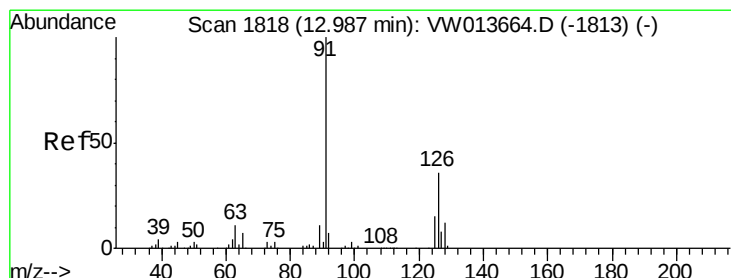
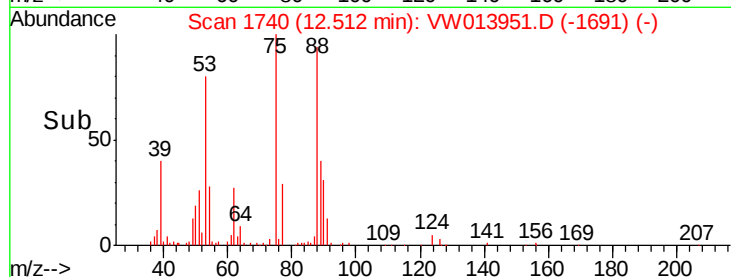
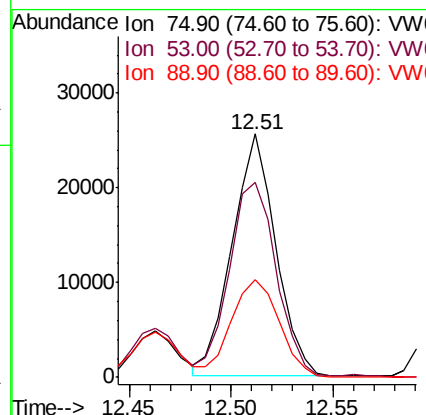
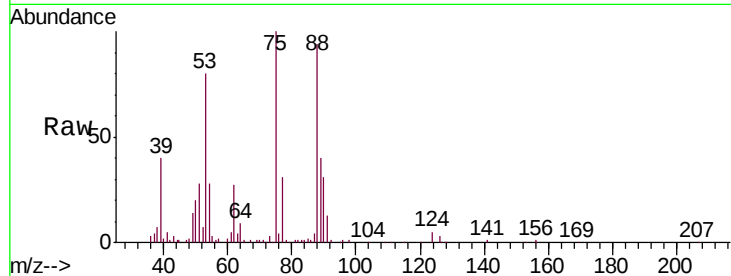




#81
trans-1,4-Dichloro-2-butene
Concen: 52.390 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

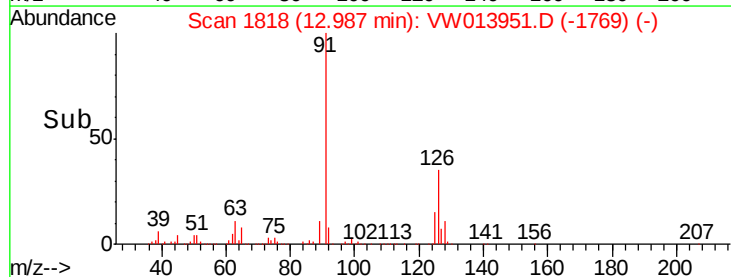
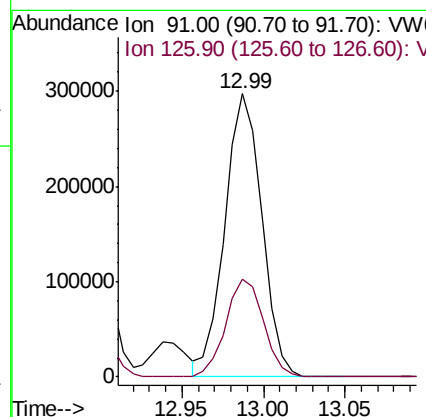
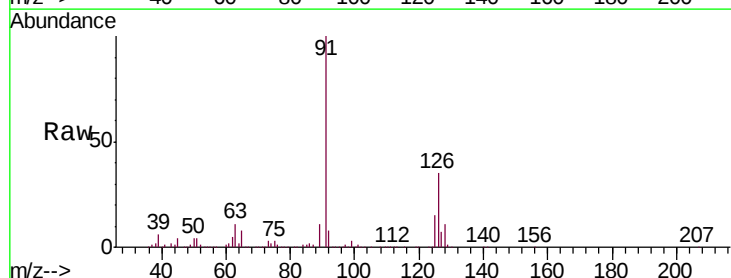
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

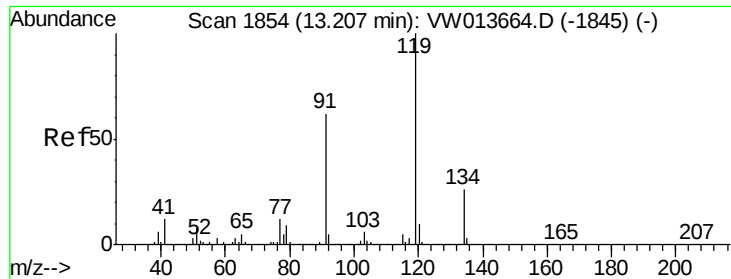
Tgt Ion: 75 Resp: 37840
Ion Ratio Lower Upper
75 100
53 88.4 71.7 107.5
89 43.9 35.8 53.8



#82
4-Chlorotoluene
Concen: 50.296 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 91 Resp: 468807
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.5

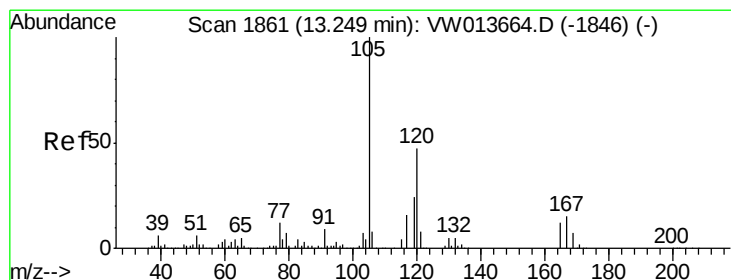
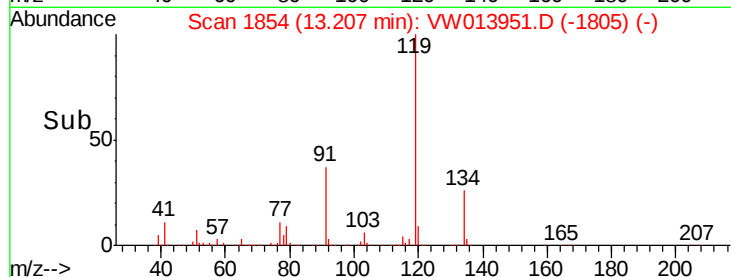
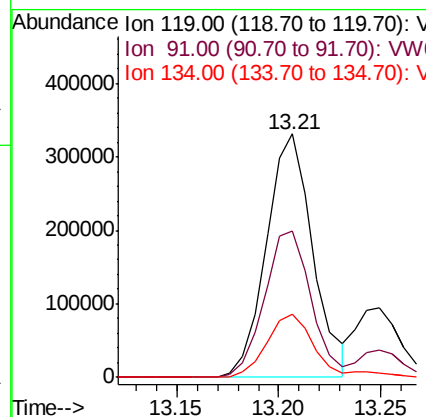
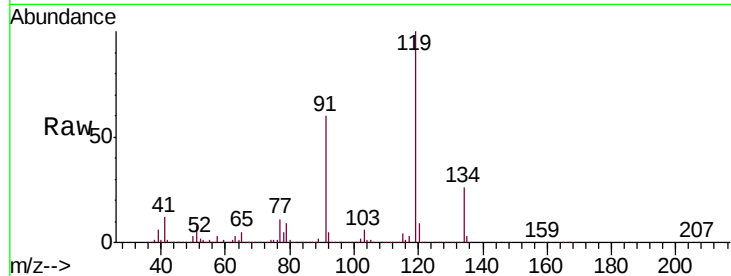




#83
tert-Butylbenzene
Concen: 51.346 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

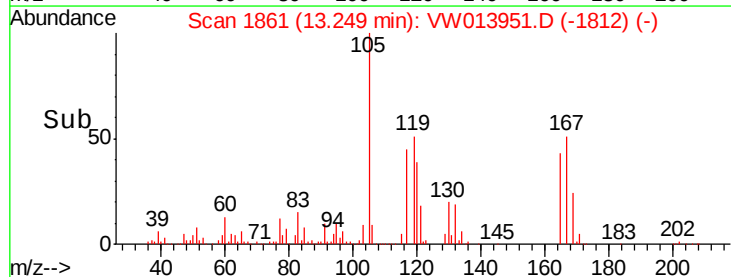
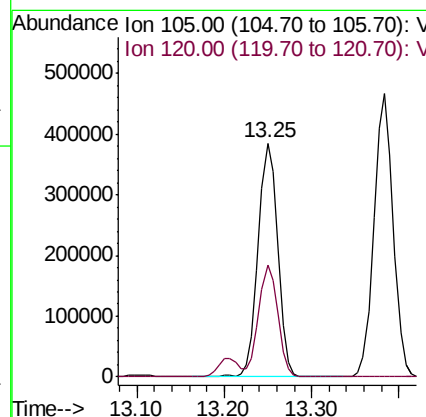
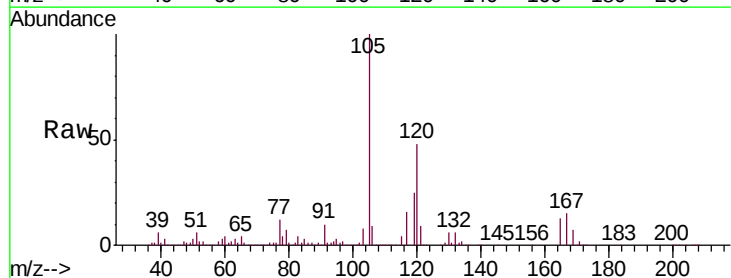
Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

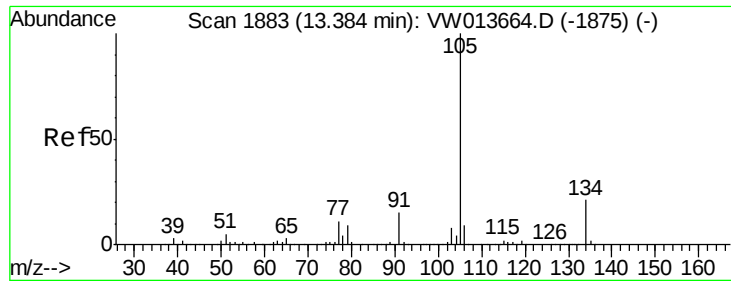
Tgt Ion:119 Resp: 525167
Ion Ratio Lower Upper
119 100
91 60.4 30.4 91.3
134 27.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 52.665 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:105 Resp: 598619
Ion Ratio Lower Upper
105 100
120 46.2 23.5 70.5

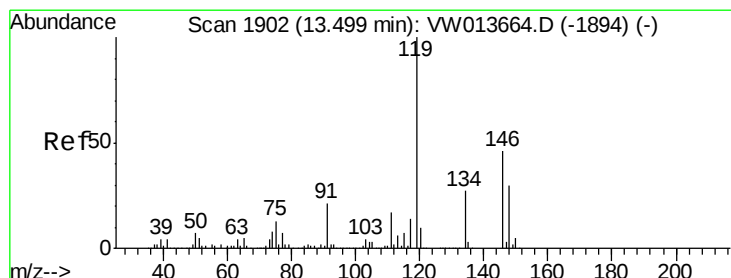
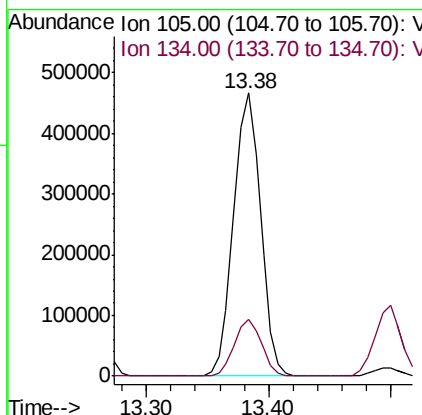
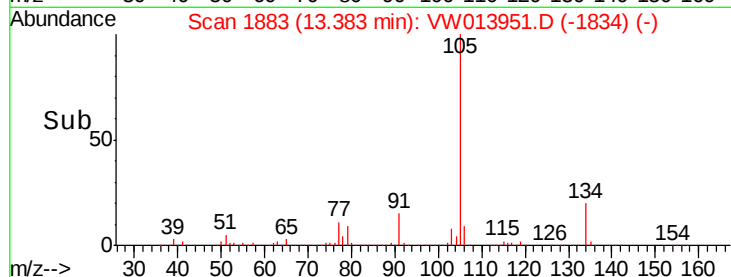
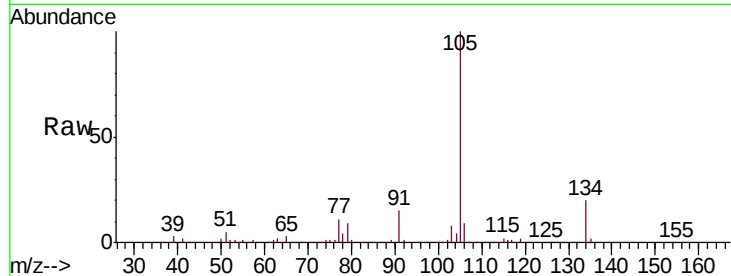




#85
 sec-Butylbenzene
 Concen: 50.952 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

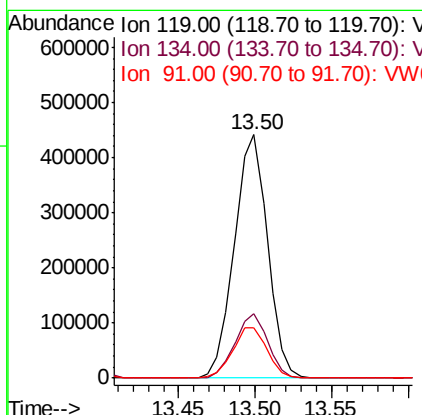
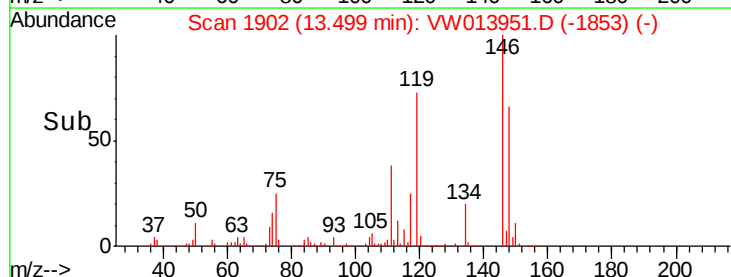
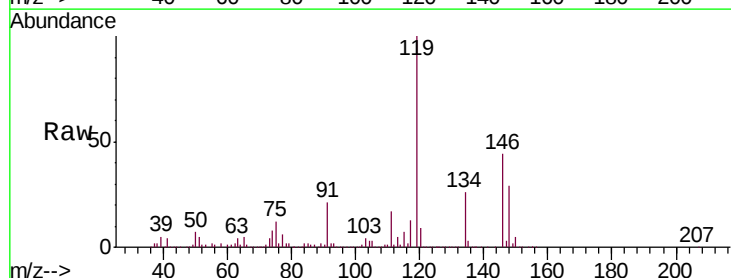
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

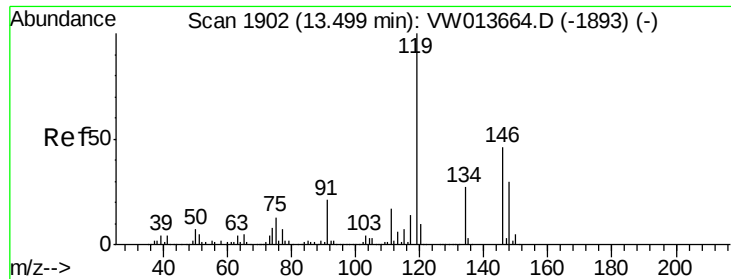
Tgt Ion:105 Resp: 712631
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 50.881 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion:119 Resp: 662907
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 21.3 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 49.959 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

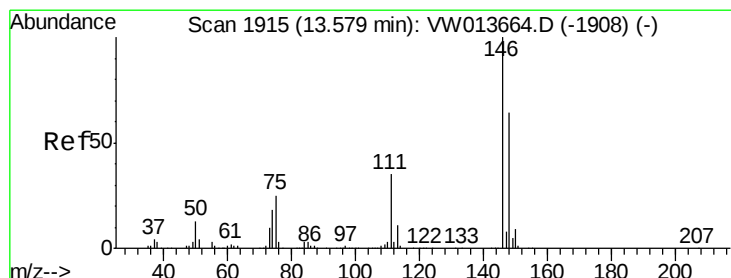
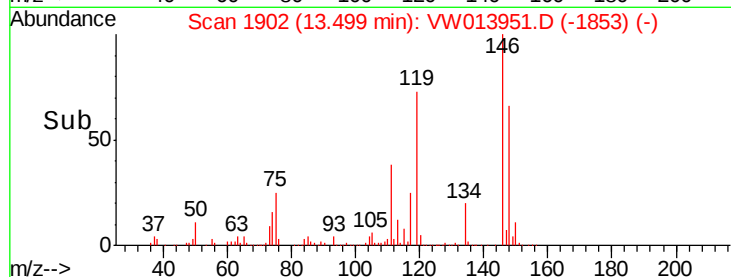
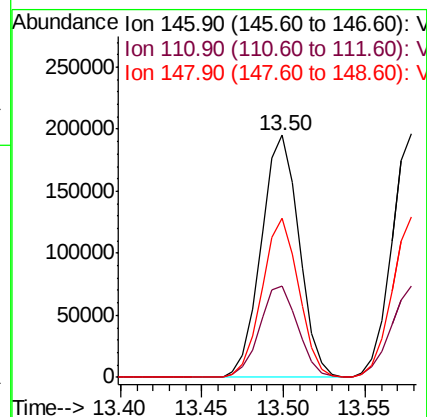
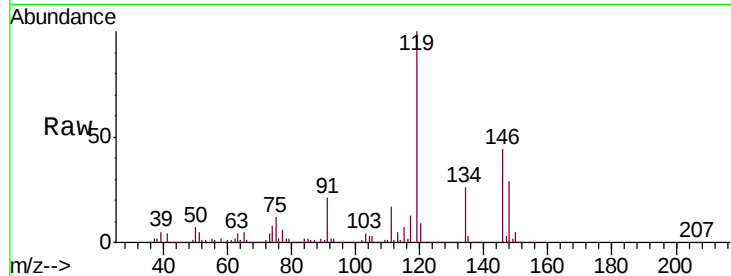
Tgt Ion:146 Resp: 315630

Ion Ratio Lower Upper

146 100

111 37.8 18.6 56.0

148 63.8 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 49.725 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

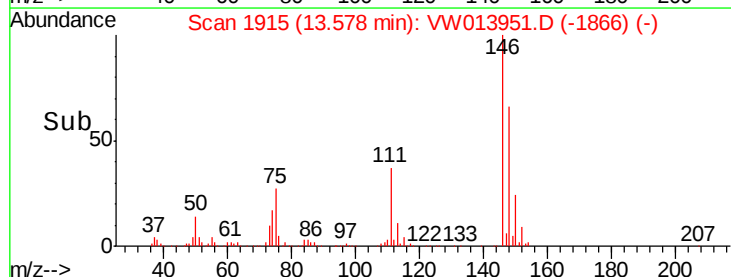
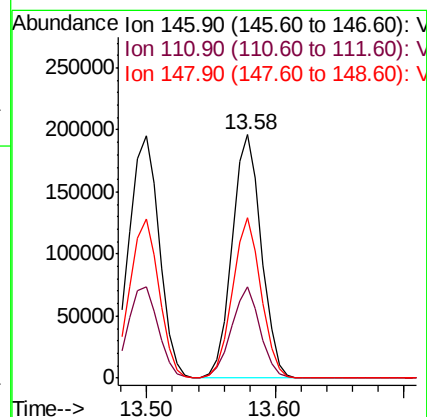
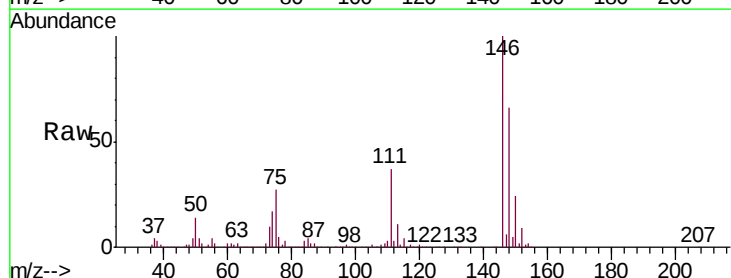
Tgt Ion:146 Resp: 312093

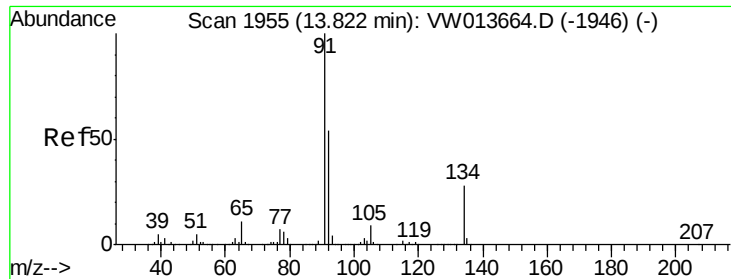
Ion Ratio Lower Upper

146 100

111 36.9 18.1 54.3

148 64.4 32.0 96.2





#89

n-Butylbenzene

Concen: 50.498 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

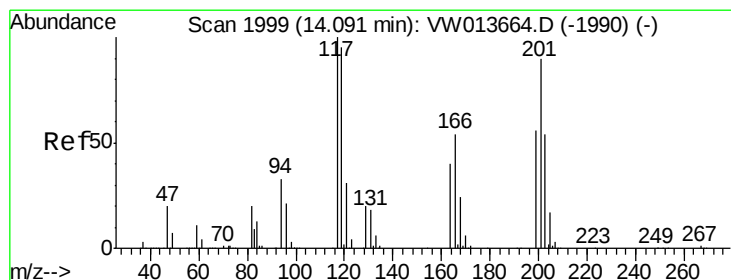
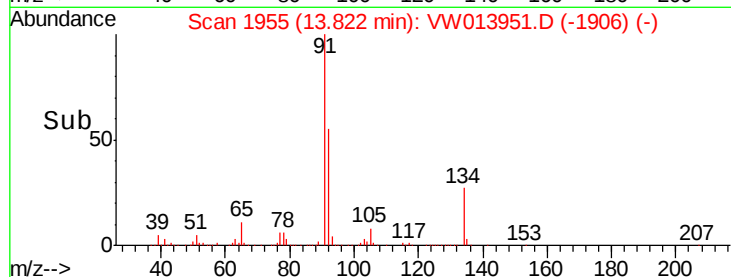
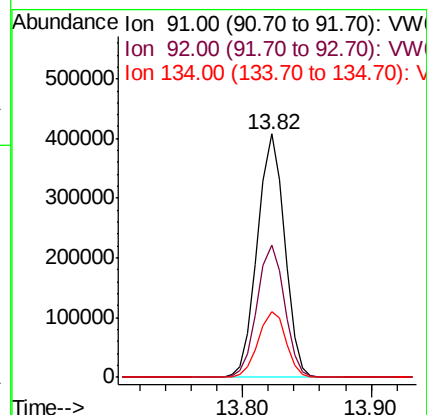
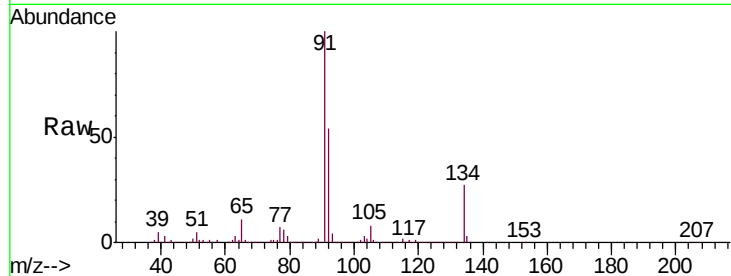
Tgt Ion: 91 Resp: 593849

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.4

134 27.8 14.0 41.9



#90

Hexachloroethane

Concen: 49.125 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013951.D

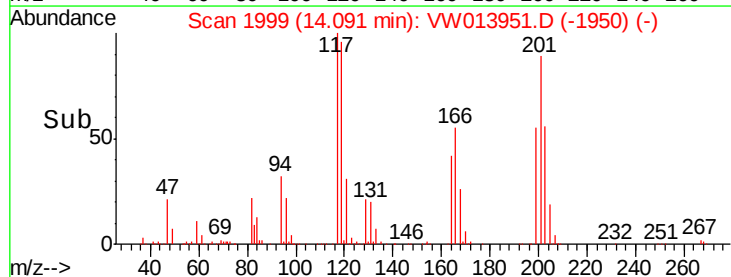
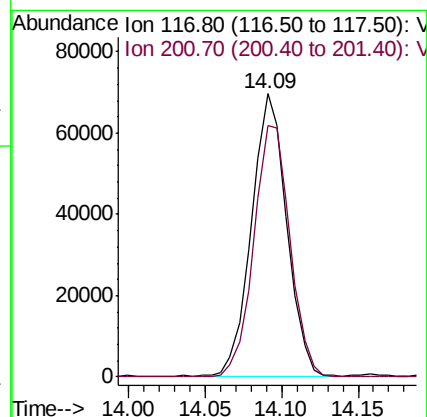
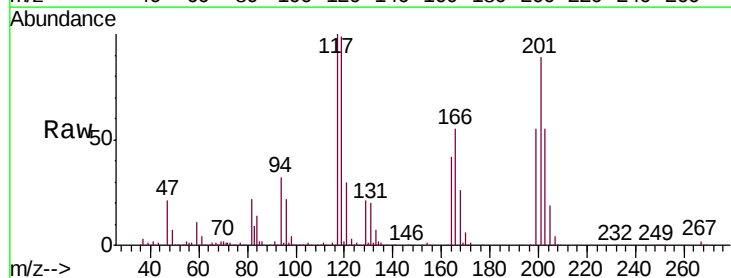
Acq: 08 Nov 2019 18:03

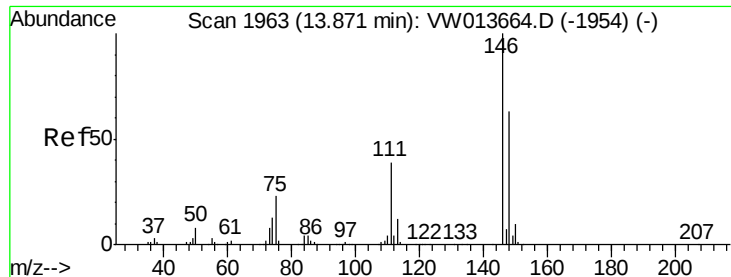
Tgt Ion: 117 Resp: 111247

Ion Ratio Lower Upper

117 100

201 91.7 46.1 138.2

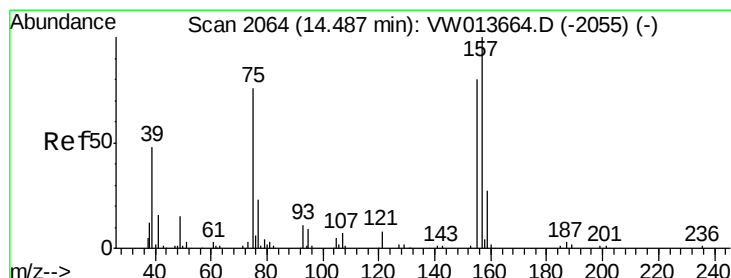
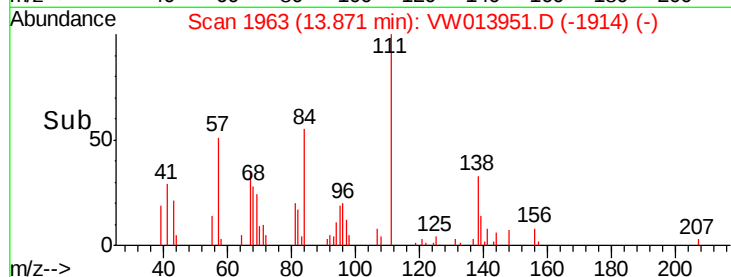
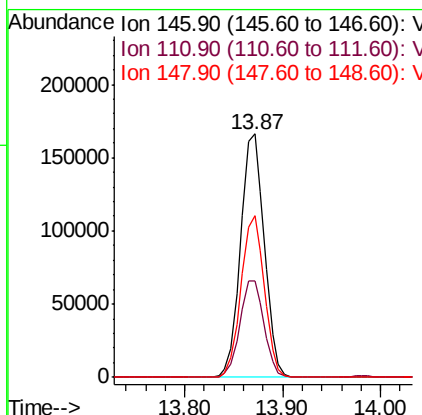
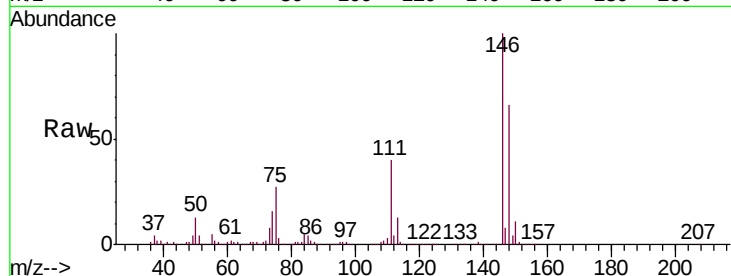




#91
 1,2-Dichlorobenzene
 Concen: 51.009 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

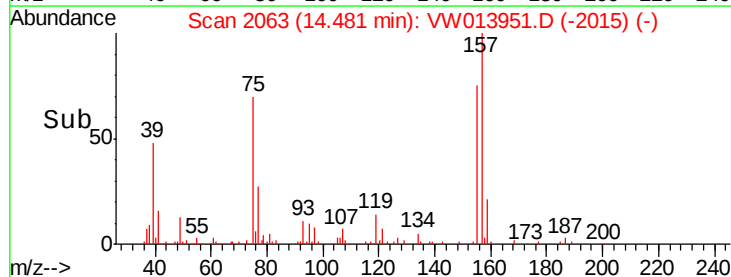
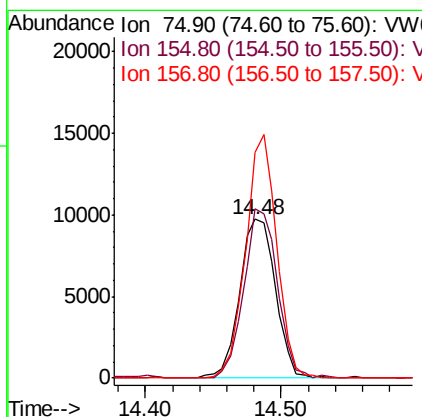
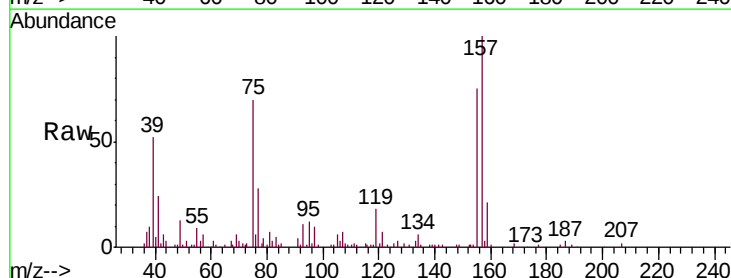
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

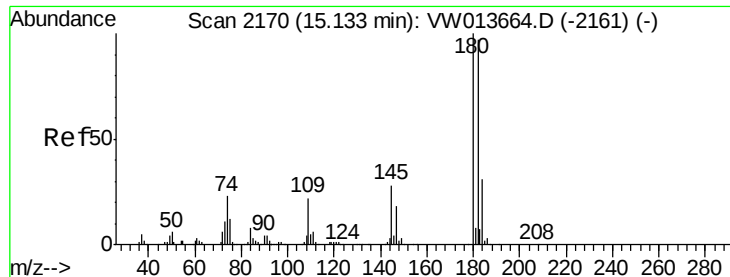
Tgt Ion: 146 Resp: 279427
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 65.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.011 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 75 Resp: 17918
 Ion Ratio Lower Upper
 75 100
 155 100.1 51.9 155.7
 157 133.1 64.8 194.3

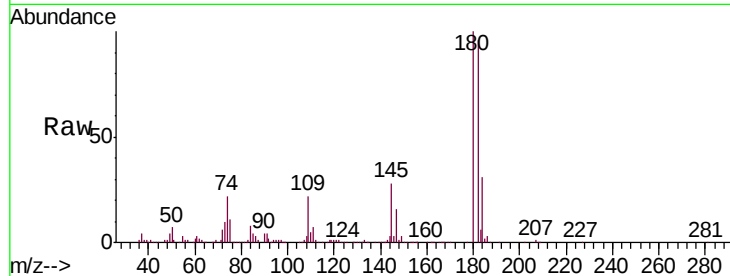




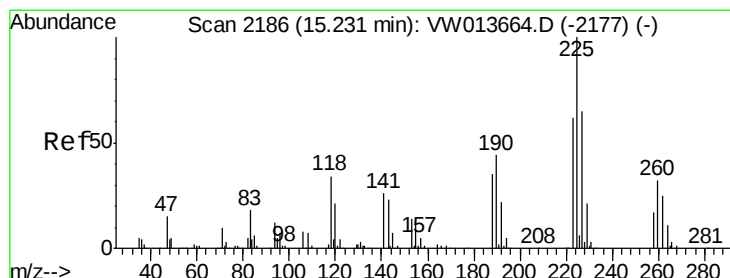
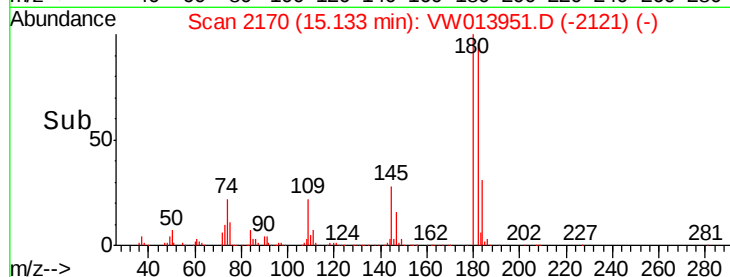
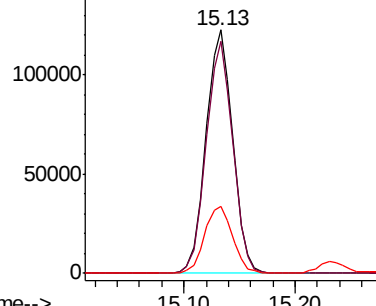
#93
 1,2,4-Trichlorobenzene
 Concen: 50.863 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tgt Ion:180 Resp: 202772
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.2
 145 28.9 14.1 42.3

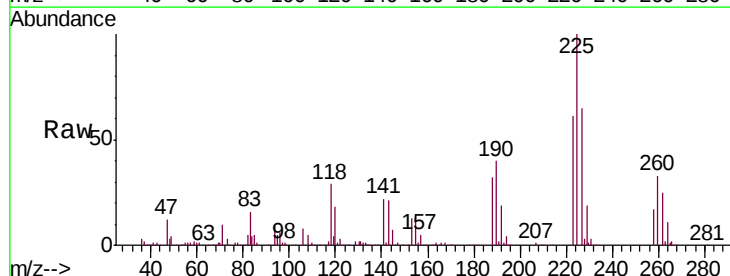


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

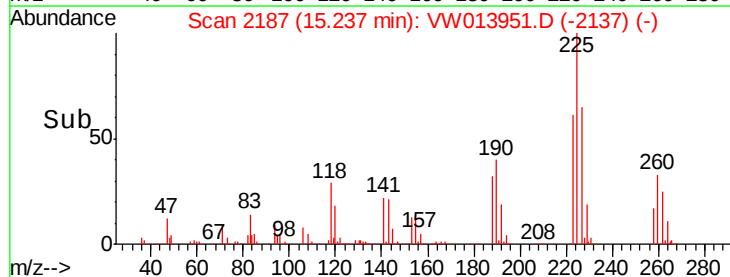
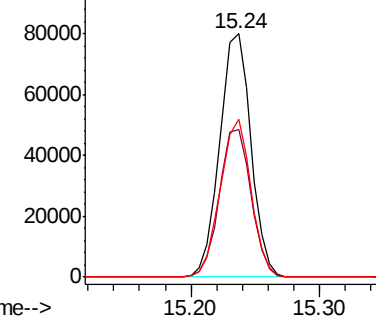


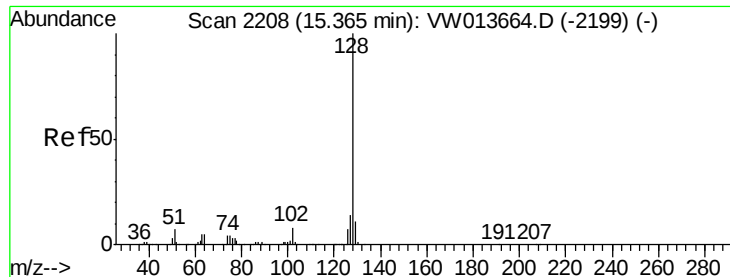
#94
 Hexachlorobutadiene
 Concen: 49.707 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion:225 Resp: 133778
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.9
 227 63.6 32.5 97.4



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

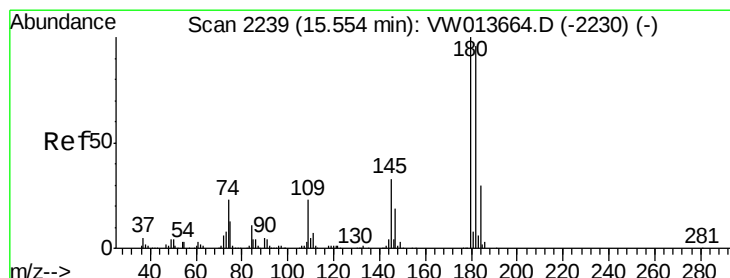
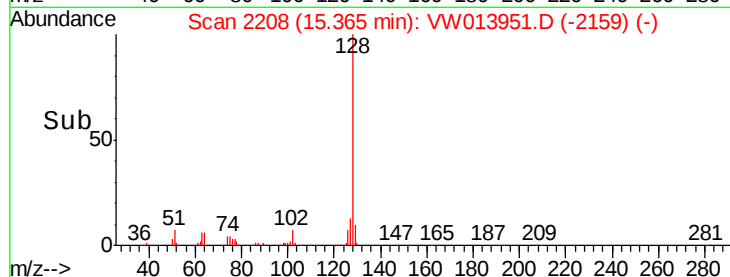
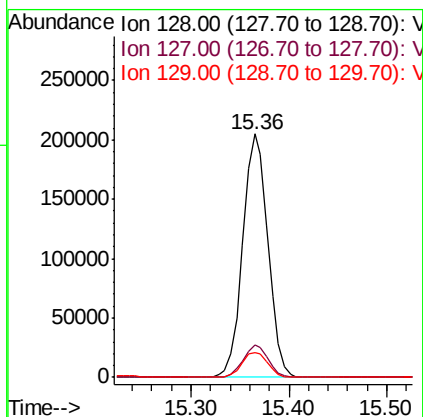
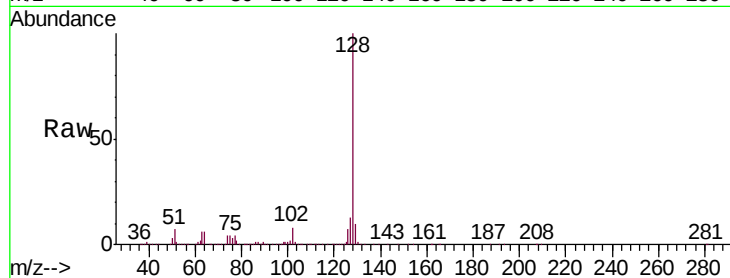




#95
Naphthalene
Concen: 58.407 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tgt Ion:128 Resp: 365073
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.579 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion:180 Resp: 173748
Ion Ratio Lower Upper
180 100
182 96.5 47.4 142.3
145 30.5 14.9 44.9

