

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015405.D
 Acq On : 06 May 2020 09:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 07 03:08:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	132296	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	7.88	113	116130	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	487409	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.62	95	176865	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77080	54.760	ug/l	99
3) Chloromethane	2.21	50	93380	52.990	ug/l	98
4) Vinyl Chloride	2.36	62	135483	50.767	ug/l	98
5) Bromomethane	2.78	94	105624	50.520	ug/l	95
6) Chloroethane	2.92	64	94598	51.438	ug/l	99
7) Trichlorofluoromethane	3.26	101	97485	49.801	ug/l	99
8) Diethyl Ether	3.68	74	59289	48.469	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116009	51.124	ug/l	99
10) Methyl Iodide	4.26	142	171611	49.979	ug/l	99
11) Tert butyl alcohol	5.20	59	34688	224.764	ug/l	97
12) 1,1-Dichloroethene	4.03	96	120302	51.123	ug/l	94
13) Acrolein	3.89	56	45047	228.570	ug/l	99
14) Allyl chloride	4.66	41	213972	51.896	ug/l	99
15) Acrylonitrile	5.37	53	120058	241.157	ug/l	100
16) Acetone	4.13	43	115154	276.970	ug/l	98
17) Carbon Disulfide	4.37	76	371186	51.443	ug/l	99
18) Methyl Acetate	4.67	43	52520	47.585	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	180572	47.759	ug/l	99
20) Methylene Chloride	4.91	84	121777	44.891	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	135584	50.757	ug/l	99
22) Diisopropyl ether	6.31	45	400951	49.764	ug/l	98
23) Vinyl Acetate	6.25	43	1215328	248.141	ug/l	99
24) 1,1-Dichloroethane	6.21	63	243299	50.371	ug/l	99
25) 2-Butanone	7.17	43	158983	245.327	ug/l	98
26) 2,2-Dichloropropane	7.16	77	157261	49.123	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	146093	50.367	ug/l	99
28) Bromochloromethane	7.51	49	94799	48.811	ug/l	98
29) Tetrahydrofuran	7.53	42	101618	238.269	ug/l	99
30) Chloroform	7.67	83	239301	49.863	ug/l	100
31) Cyclohexane	7.95	56	236612	48.246	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	205855	51.036	ug/l	99
36) 1,1-Dichloropropene	8.08	75	202579	52.438	ug/l	100
37) Ethyl Acetate	7.25	43	76619	51.114	ug/l	99
38) Carbon Tetrachloride	8.06	117	188628	52.228	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	258072	52.774	ug/l	99
40) Benzene	8.32	78	536586	50.927	ug/l	99
41) Methacrylonitrile	7.48	41	44420	46.900	ug/l	99
42) 1,2-Dichloroethane	8.40	62	162275	50.566	ug/l	99
43) Isopropyl Acetate	8.42	43	157010	49.805	ug/l	100
44) Trichloroethene	9.09	130	142561	52.204	ug/l	97
45) 1,2-Dichloropropane	9.37	63	133097	51.136	ug/l	100
46) Dibromomethane	9.46	93	64825	50.075	ug/l	97
47) Bromodichloromethane	9.64	83	184413	52.270	ug/l	98
48) Methyl methacrylate	9.43	41	73622	50.558	ug/l	99
49) 1,4-Dioxane	9.46	88	15753	966.949	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	368028	249.101	ug/l	100
52) Toluene	10.38	92	351680	51.363	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	187143	51.967	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	218246	51.471	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	90592	49.487	ug/l	95
56) Ethyl methacrylate	10.65	69	126303	50.215	ug/l	98
57) 1,3-Dichloropropane	10.93	76	164903	50.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	303574	248.087	ug/l	100
59) 2-Hexanone	10.97	43	255568	255.652	ug/l	100
60) Dibromochloromethane	11.13	129	112904	51.281	ug/l	100
61) 1,2-Dibromoethane	11.23	107	87882	50.701	ug/l	100
64) Tetrachloroethene	10.86	164	114074	52.708	ug/l	95
65) Chlorobenzene	11.66	112	358464	51.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	127446	51.489	ug/l	99
67) Ethyl Benzene	11.73	91	695094	52.018	ug/l	100
68) m/p-Xylenes	11.83	106	521721	105.014	ug/l	99
69) o-Xylene	12.16	106	245455	52.576	ug/l	99
70) Styrene	12.18	104	424158	52.752	ug/l	99
71) Bromoform	12.35	173	60983	50.520	ug/l #	96
73) Isopropylbenzene	12.46	105	687022	52.263	ug/l	100
74) N-amyl acetate	12.27	43	155256	49.964	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	103561	50.360	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	143604	99.139	ug/l #	100
77) Bromobenzene	12.74	156	140374	50.389	ug/l	98
78) n-propylbenzene	12.80	91	829751	52.610	ug/l	100
79) 2-Chlorotoluene	12.89	91	463303	52.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	581697	52.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38304	52.306	ug/l	99
82) 4-Chlorotoluene	12.99	91	484734	51.448	ug/l	99
83) tert-Butylbenzene	13.21	119	502013	53.133	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	578538	52.228	ug/l	99
85) sec-Butylbenzene	13.38	105	714269	53.655	ug/l	100
86) p-Isopropyltoluene	13.50	119	642748	52.939	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	290672	52.381	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	280040	50.956	ug/l	97
89) n-Butylbenzene	13.82	91	633082	53.263	ug/l	100
90) Hexachloroethane	14.09	117	120429	53.826	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	251893	52.426	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17982	50.088	ug/l	99

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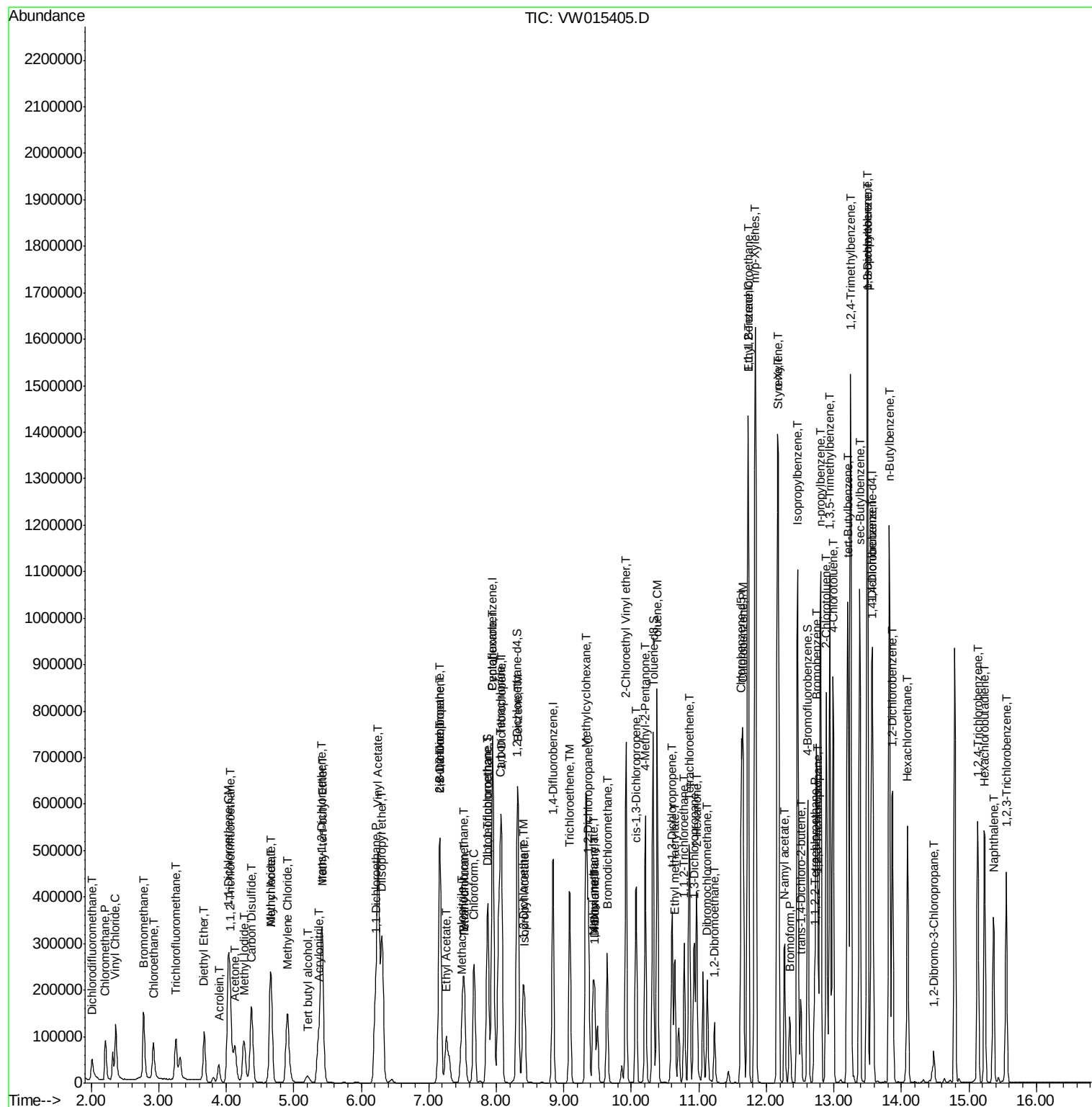
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172704	53.481	ug/l	100
94) Hexachlorobutadiene	15.24	225	101801	53.199	ug/l	99
95) Naphthalene	15.36	128	301338	52.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	147320	53.095	ug/l	98

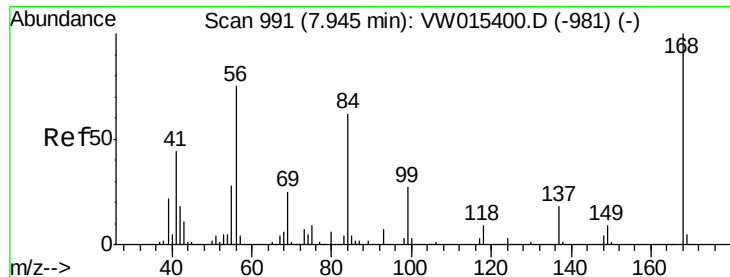
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

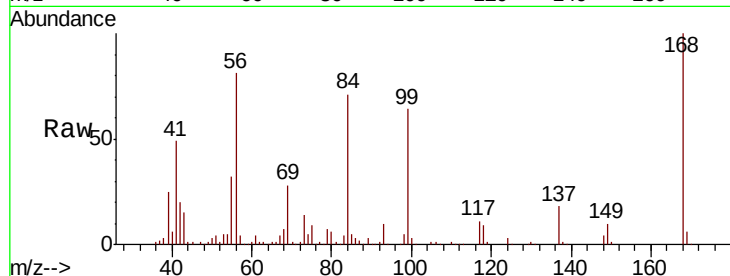
ClientSampled :

Tot Ion:168 Resp: 243466

Ion Ratio Lower Upper

168 100

99 64.3 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

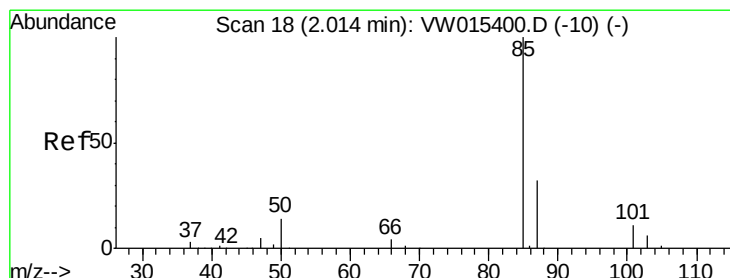
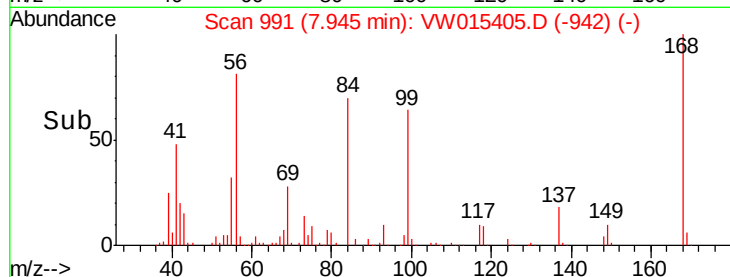
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 54.760 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015405.D

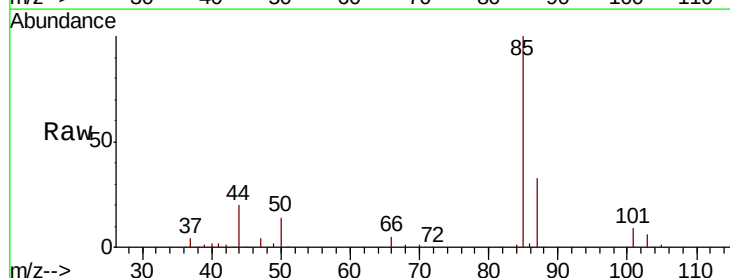
Acq: 06 May 2020 09:45

Tgt Ion: 85 Resp: 77080

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

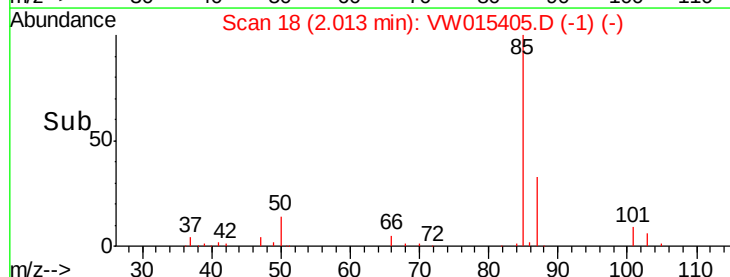
15000

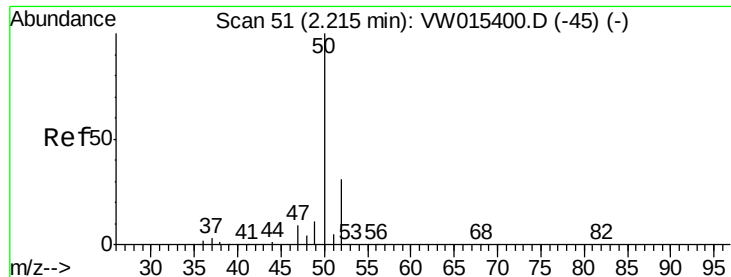
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 52.990 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

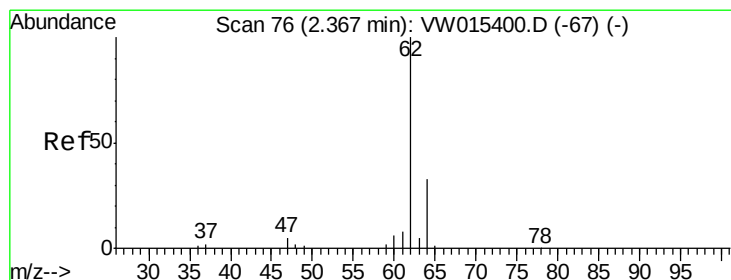
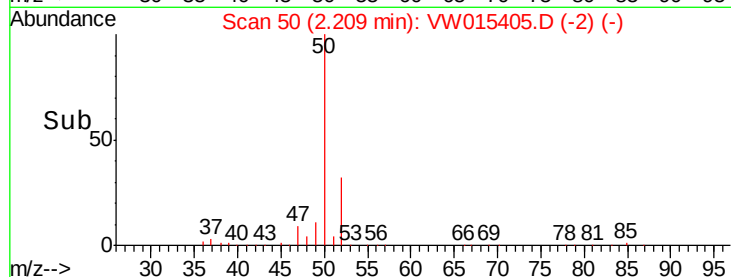
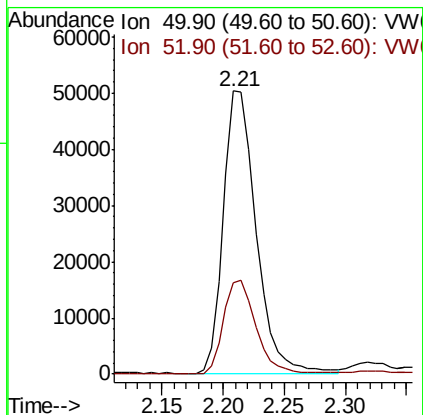
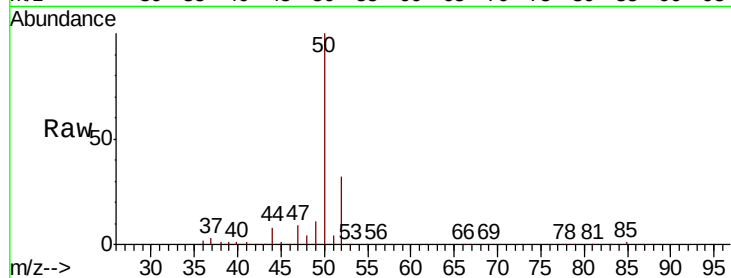
ClientSampled :

Tot Ion: 50 Resp: 93380

Ion Ratio Lower Upper

50 100

52 32.6 25.0 37.6



#4

Vinyl Chloride

Concen: 50.767 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015405.D

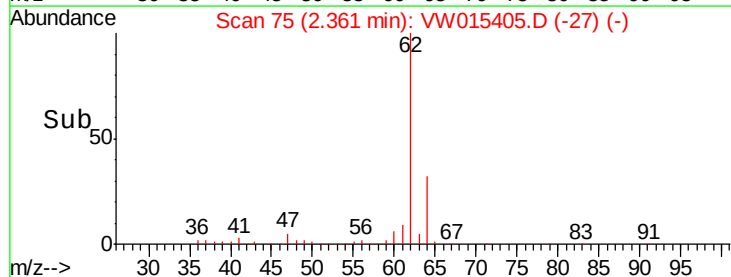
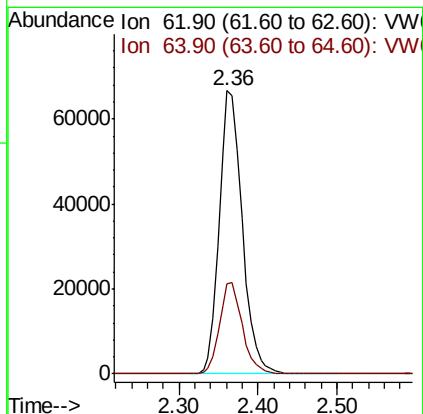
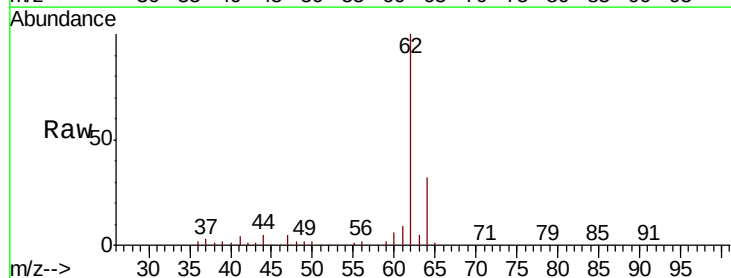
Acq: 06 May 2020 09:45

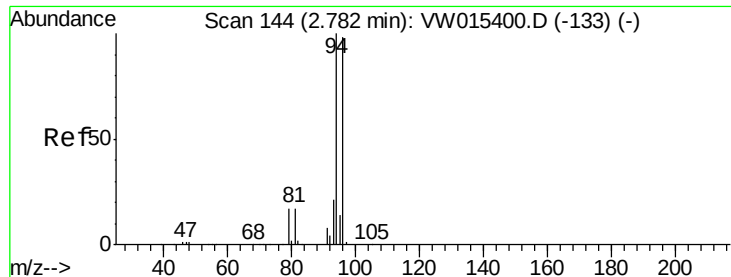
Tgt Ion: 62 Resp: 135483

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 50.520 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

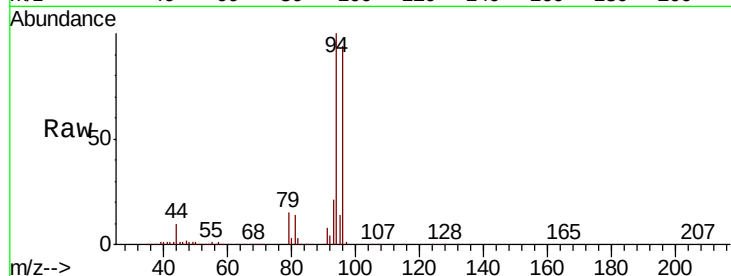
ClientSampled :

Tot Ion: 94 Resp: 105624

Ion Ratio Lower Upper

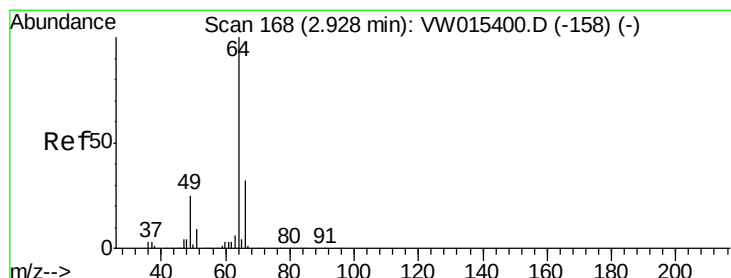
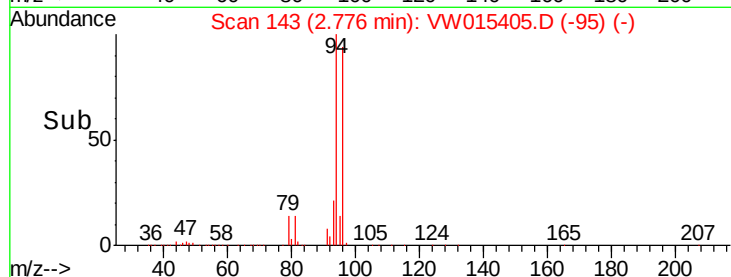
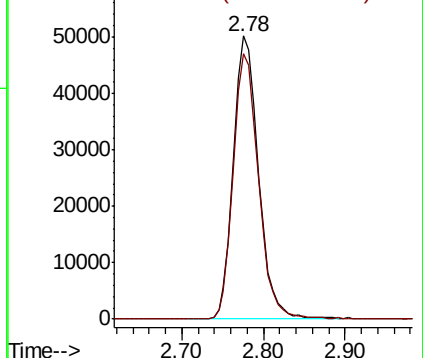
94 100

96 93.7 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 51.438 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015405.D

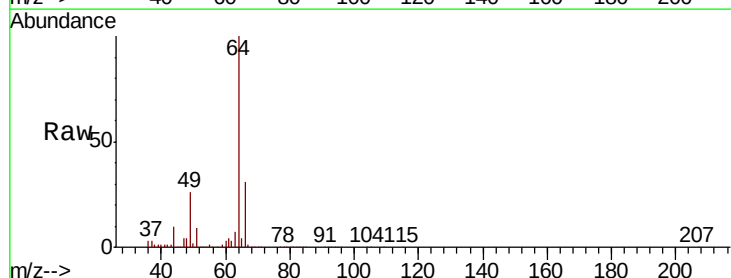
Acq: 06 May 2020 09:45

Tgt Ion: 64 Resp: 94598

Ion Ratio Lower Upper

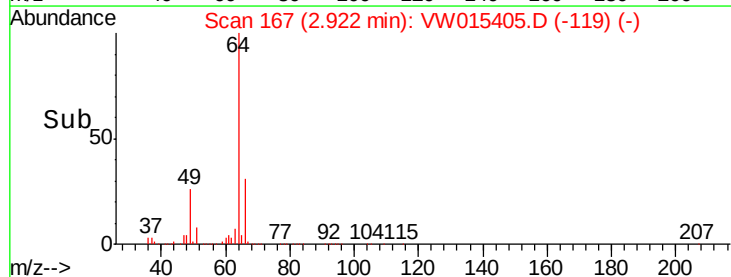
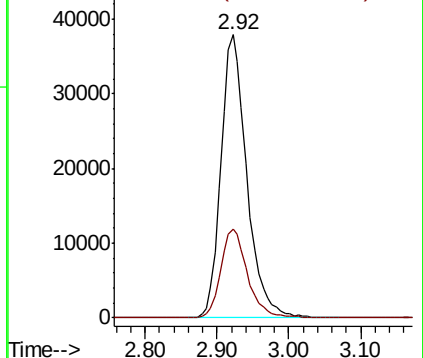
64 100

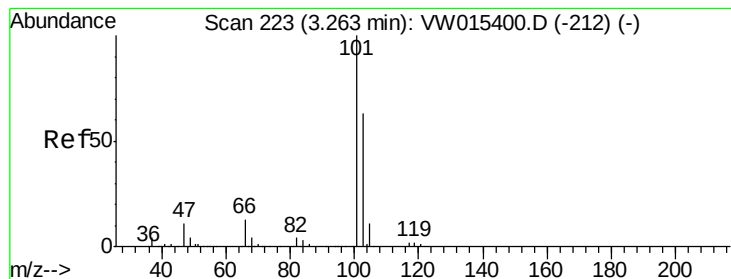
66 31.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



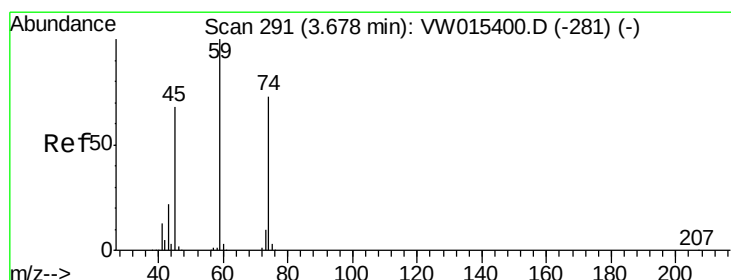
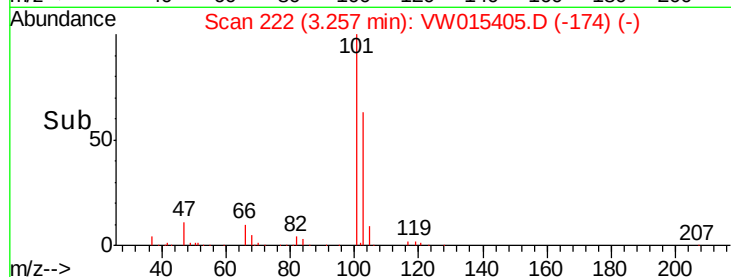
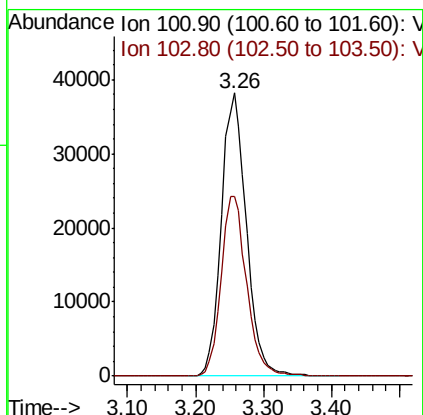
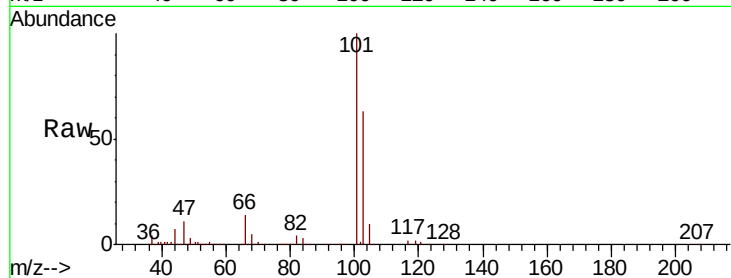


#7

Trichlorofluoromethane
 Concen: 49.801 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Instrument :
 MSVOA_W
 ClientSampled :

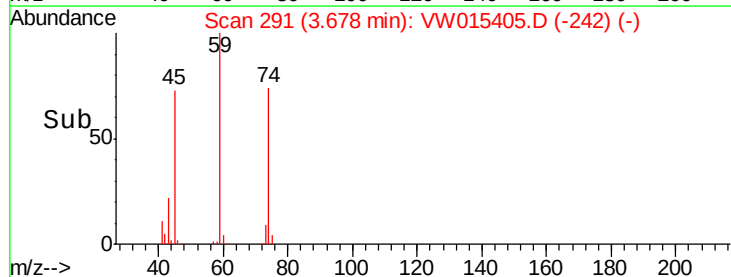
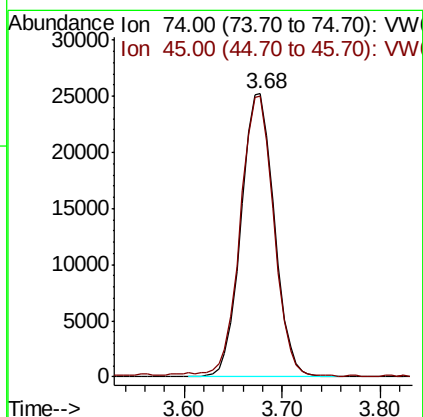
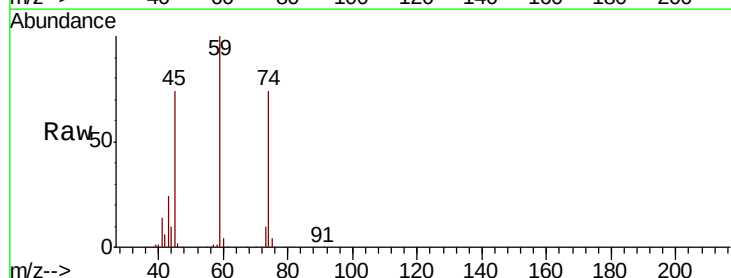
Tot Ion:101 Resp: 97485
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.2 75.4

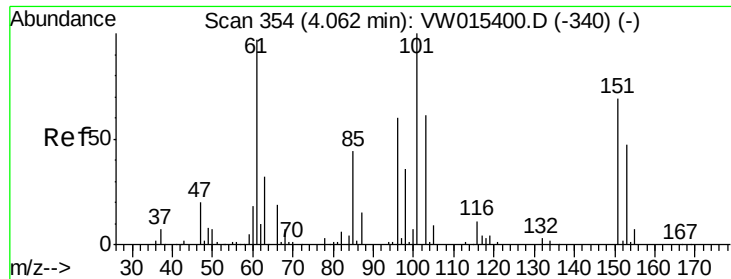


#8

Diethyl Ether
 Concen: 48.469 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 74 Resp: 59289
 Ion Ratio Lower Upper
 74 100
 45 100.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.124 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

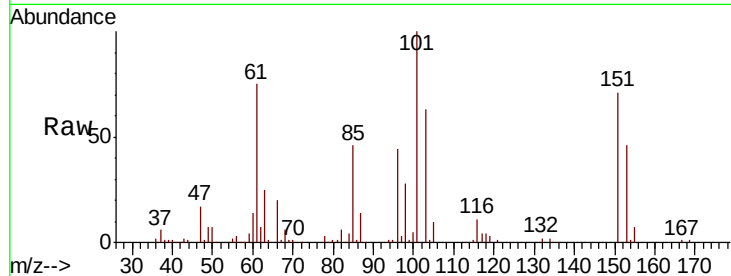
Tot Ion:101 Resp: 116009

Ion Ratio Lower Upper

101 100

85 46.4 37.3 55.9

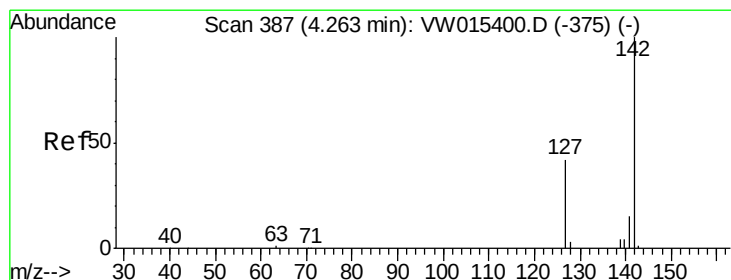
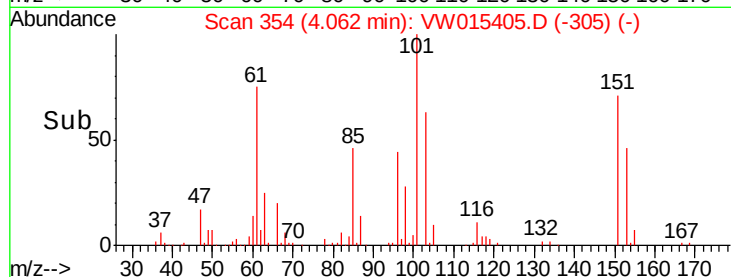
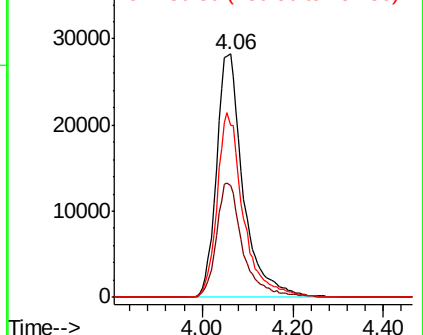
151 74.2 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.979 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

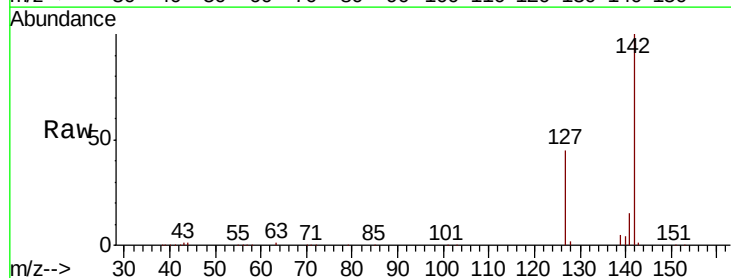
Tgt Ion:142 Resp: 171611

Ion Ratio Lower Upper

142 100

127 44.8 35.4 53.2

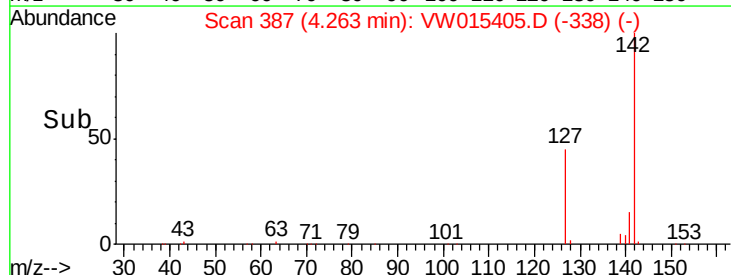
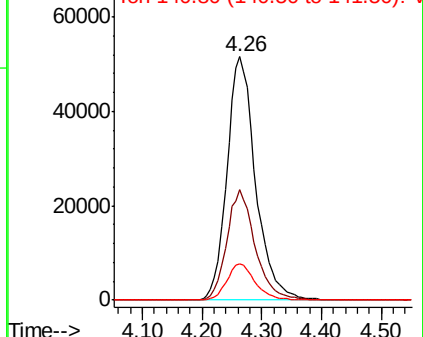
141 15.0 11.7 17.5

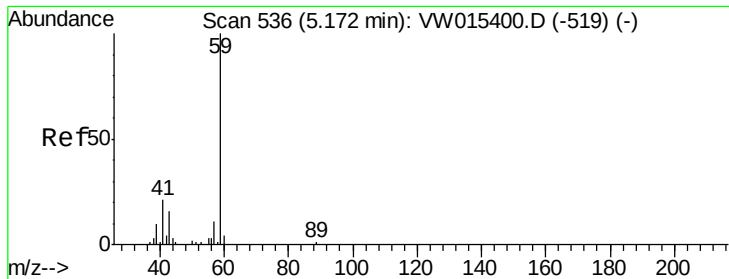


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



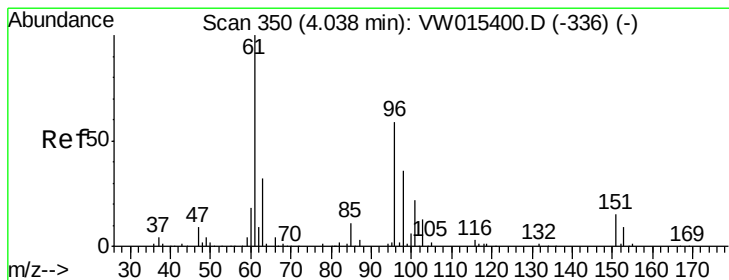
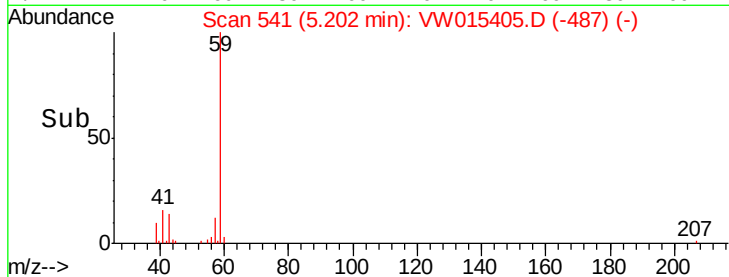
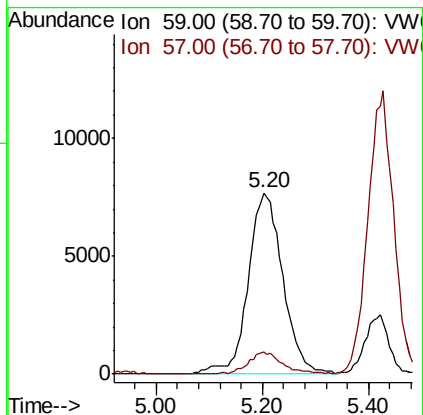
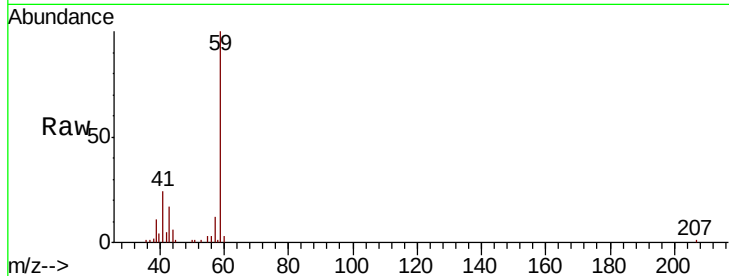


#11

Tert butyl alcohol
 Concen: 224.764 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Instrument :
 MSVOA_W
 ClientSampled :

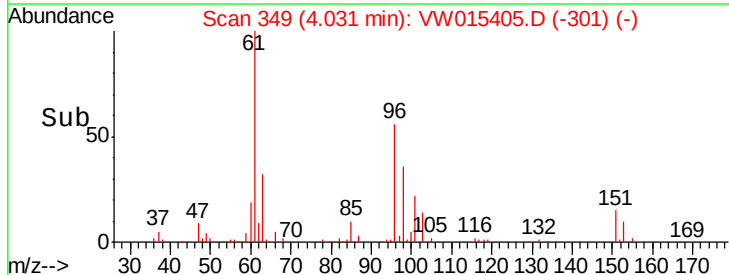
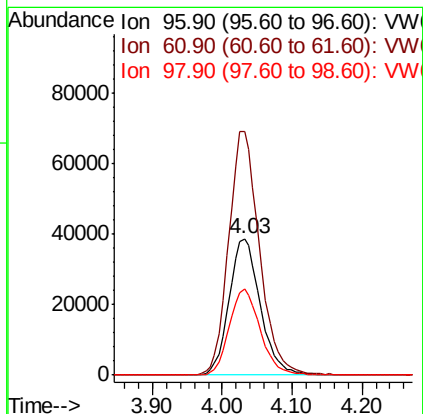
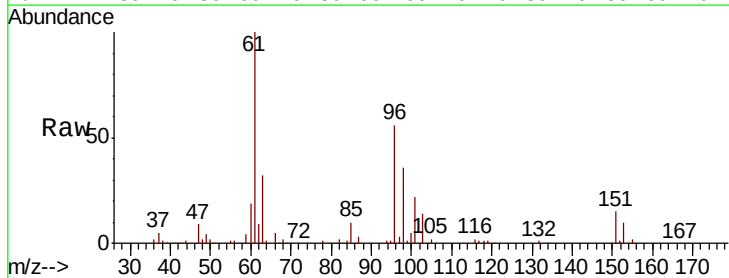
Tot Ion: 59 Resp: 34688
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.6 13.0

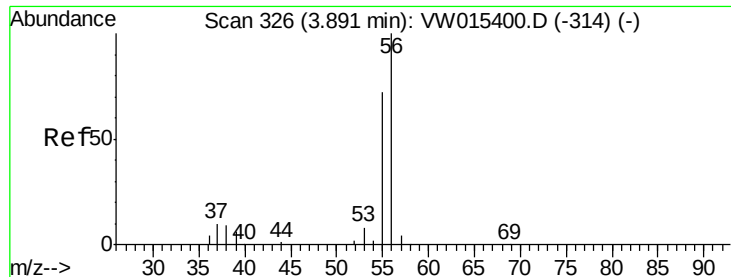


#12

1,1-Dichloroethene
 Concen: 51.123 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 96 Resp: 120302
 Ion Ratio Lower Upper
 96 100
 61 178.7 135.8 203.8
 98 63.5 48.6 72.8





#13

Acrolein

Concen: 228.570 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

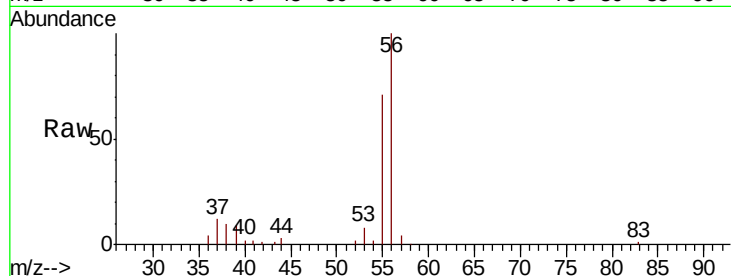
ClientSampleId :

Tot Ion: 56 Resp: 45047

Ion Ratio Lower Upper

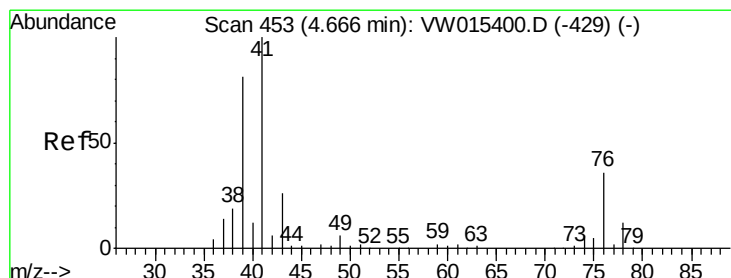
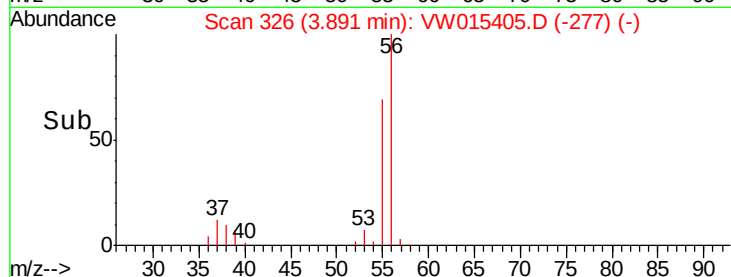
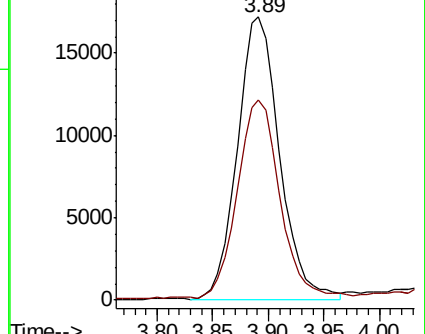
56 100

55 69.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 51.896 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

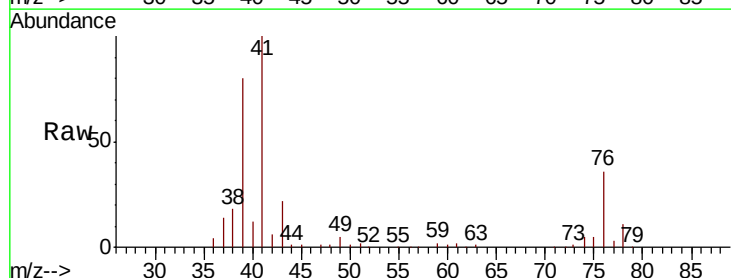
Tgt Ion: 41 Resp: 213972

Ion Ratio Lower Upper

41 100

39 78.6 63.6 95.4

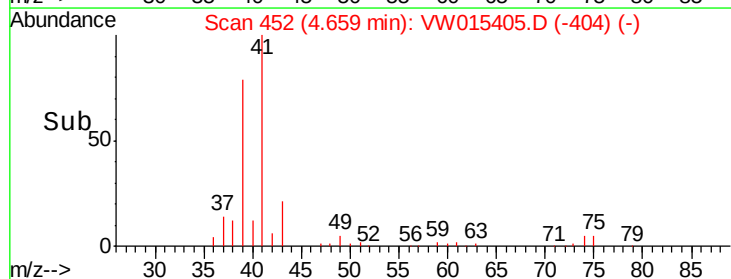
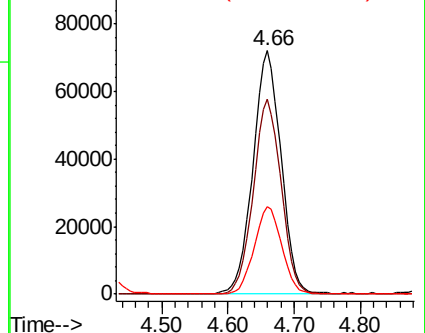
76 35.1 28.4 42.6

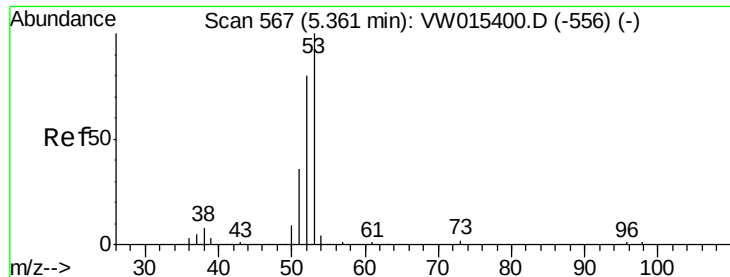


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 241.157 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

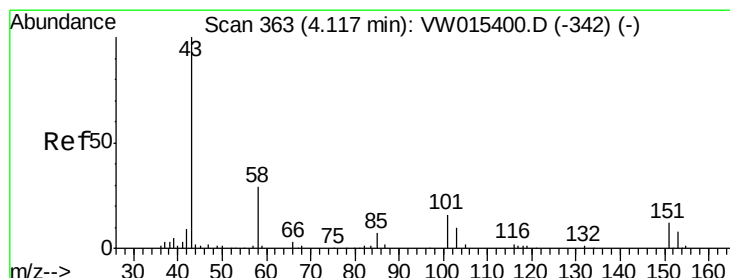
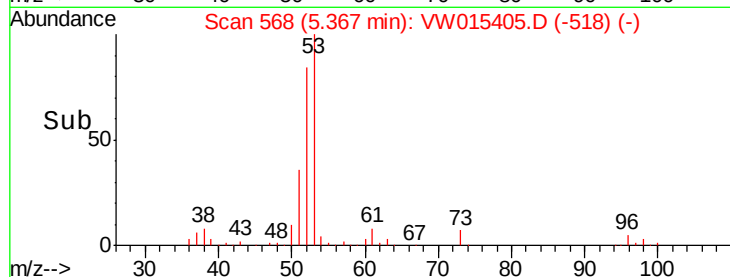
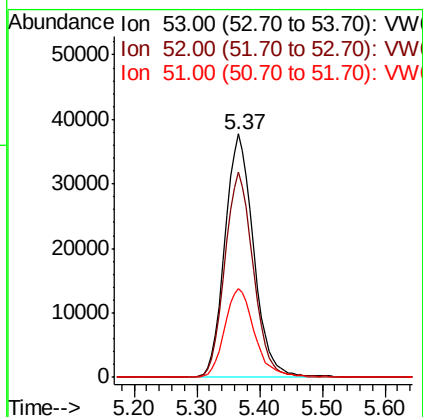
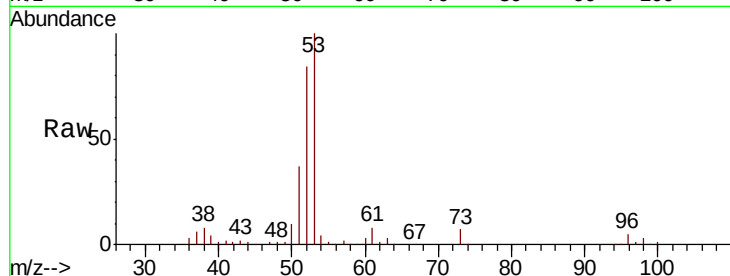
Tot Ion: 53 Resp: 120058

Ion Ratio Lower Upper

53 100

52 83.6 66.6 99.8

51 37.7 30.2 45.2



#16

Acetone

Concen: 276.970 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015405.D

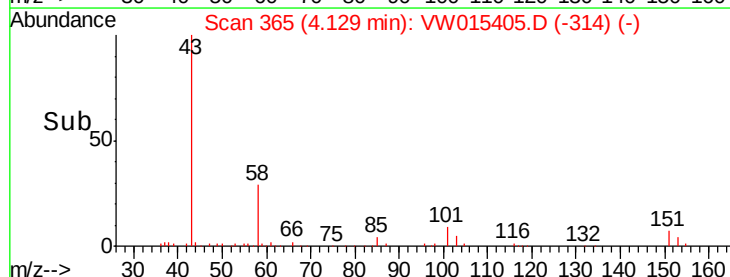
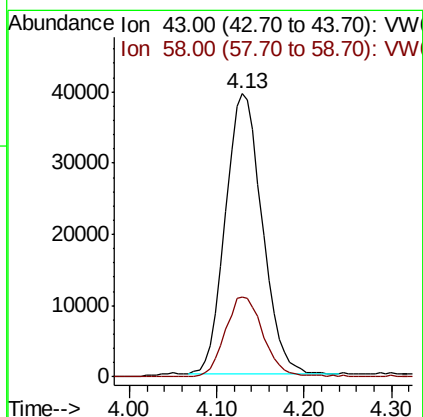
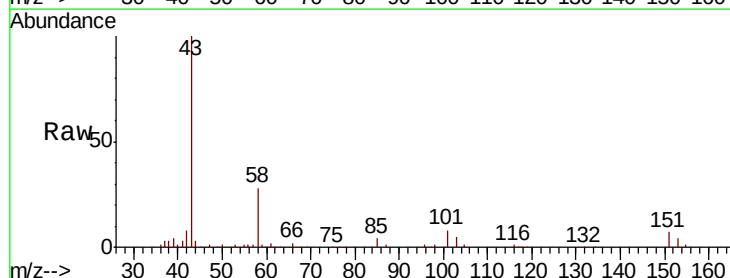
Acq: 06 May 2020 09:45

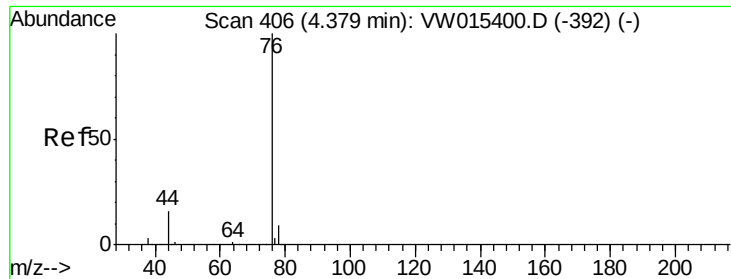
Tgt Ion: 43 Resp: 115154

Ion Ratio Lower Upper

43 100

58 28.3 23.4 35.0





#17

Carbon Disulfide

Concen: 51.443 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

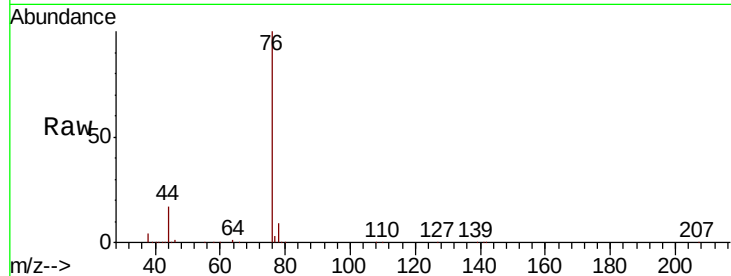
ClientSampleId :

Tot Ion: 76 Resp: 371186

Ion Ratio Lower Upper

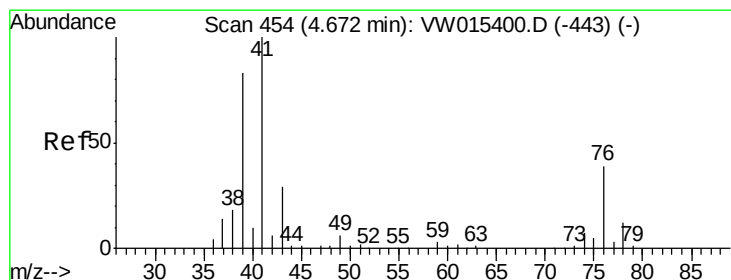
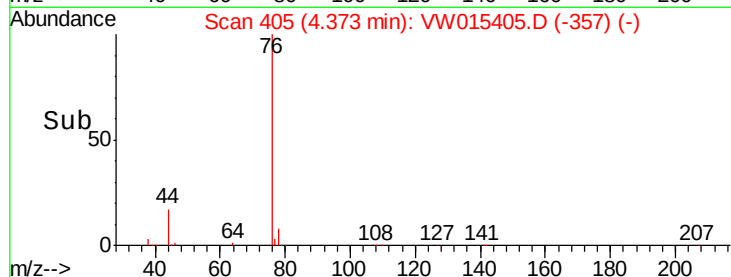
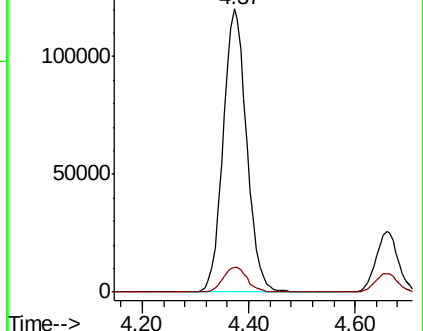
76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 47.585 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015405.D

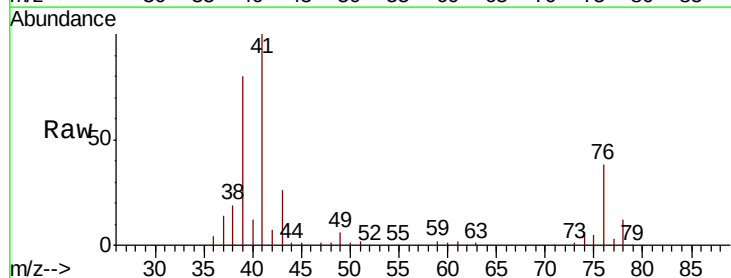
Acq: 06 May 2020 09:45

Tgt Ion: 43 Resp: 52520

Ion Ratio Lower Upper

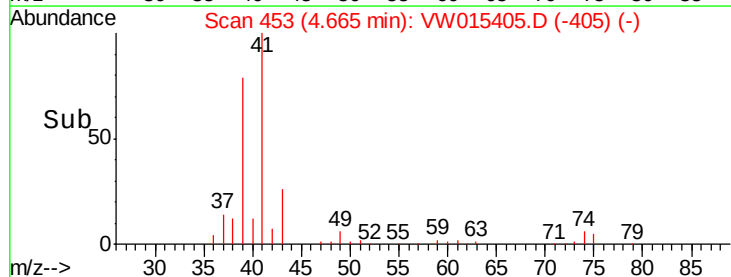
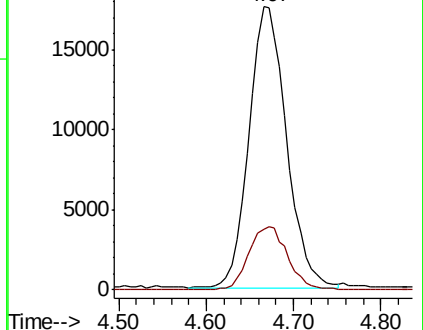
43 100

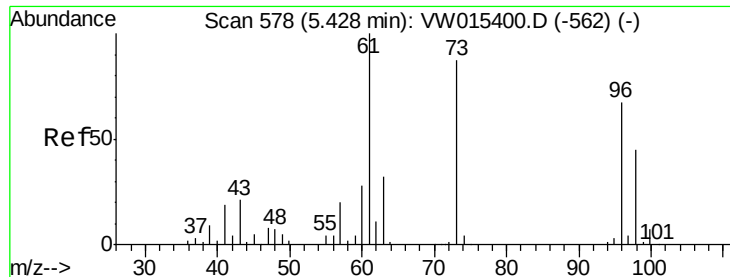
74 23.3 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

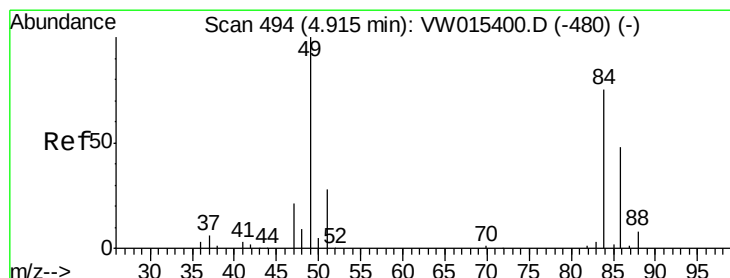
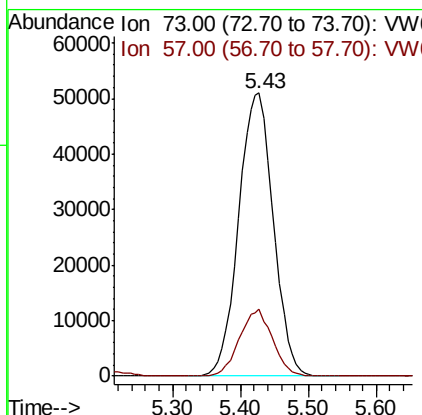
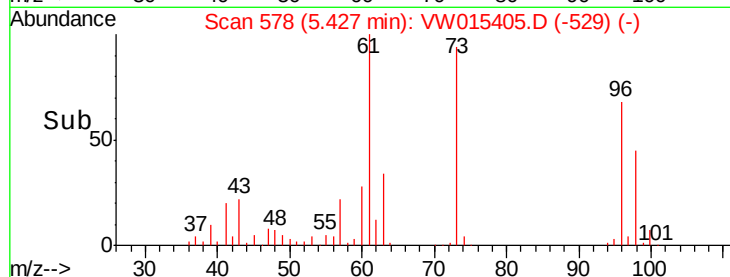
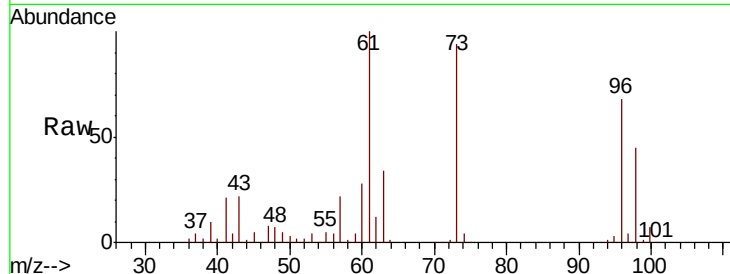




#19
Methyl tert-butyl Ether
Concen: 47.759 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

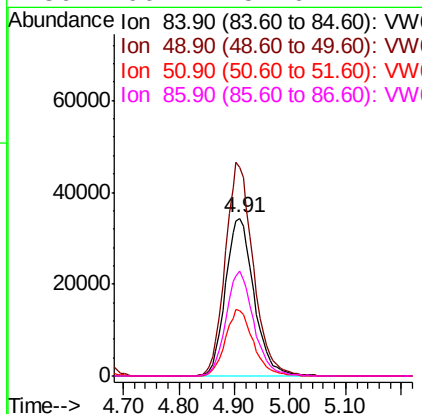
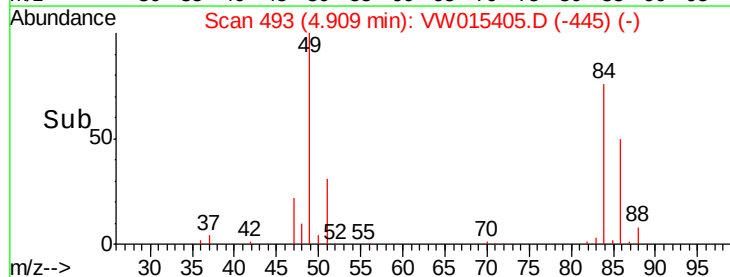
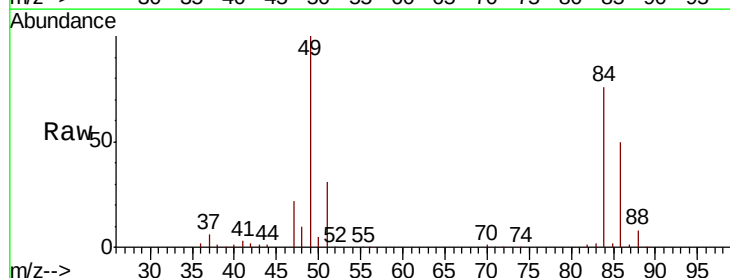
Instrument :
MSVOA_W
ClientSampled :

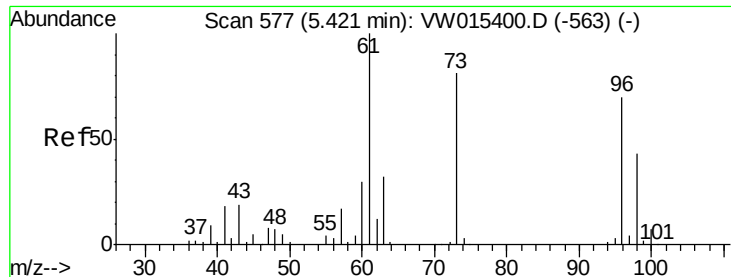
Tot Ion: 73 Resp: 180572
Ion Ratio Lower Upper
73 100
57 23.6 18.5 27.7



#20
Methylene Chloride
Concen: 44.891 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 84 Resp: 121777
Ion Ratio Lower Upper
84 100
49 132.4 106.4 159.6
51 41.6 30.2 45.2
86 66.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.757 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

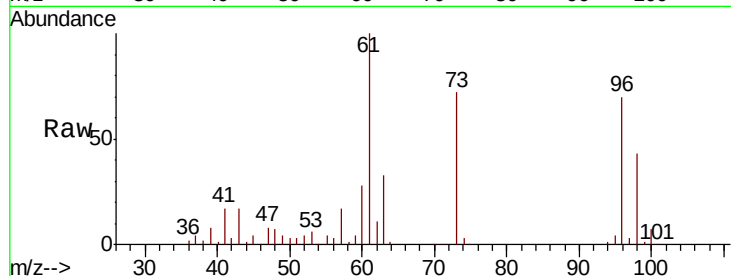
Tot Ion: 96 Resp: 135584

Ion Ratio Lower Upper

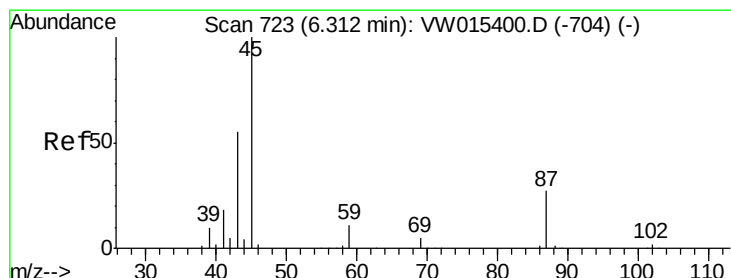
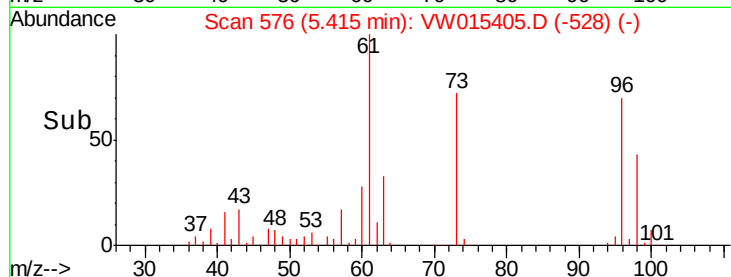
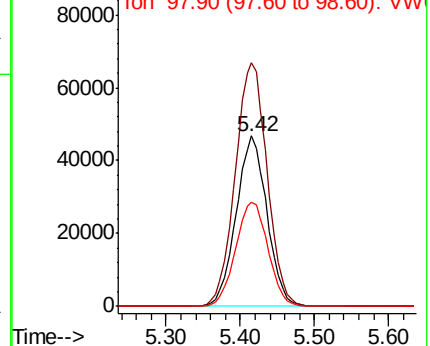
96 100

61 142.7 114.9 172.3

98 61.3 49.4 74.0



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



#22

Diisopropyl ether

Concen: 49.764 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Tgt Ion: 45 Resp: 400951

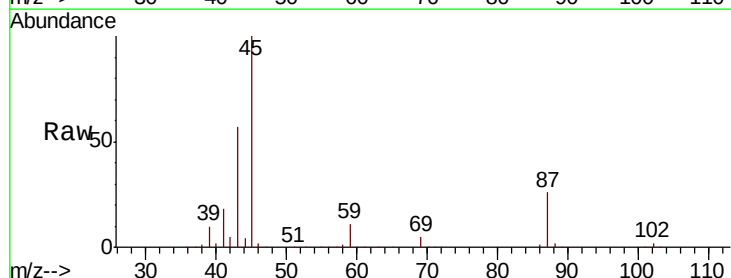
Ion Ratio Lower Upper

45 100

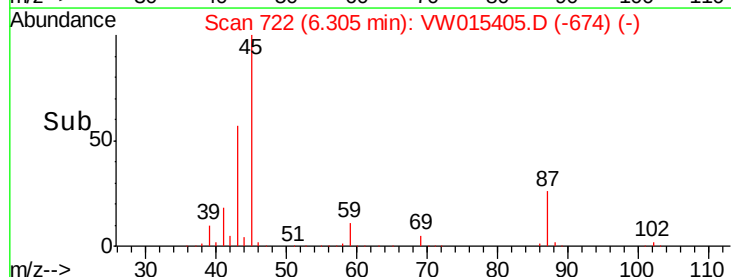
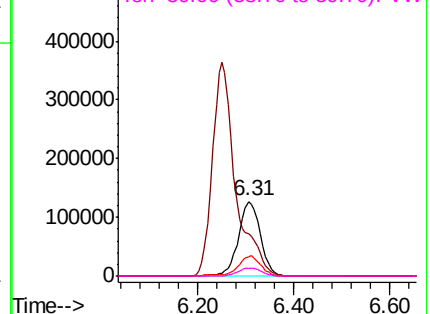
43 56.6 44.2 66.4

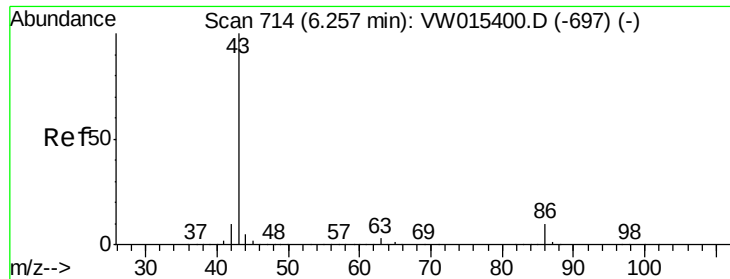
87 25.9 21.6 32.4

59 11.2 9.0 13.6



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





#23

Vinyl Acetate

Concen: 248.141 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

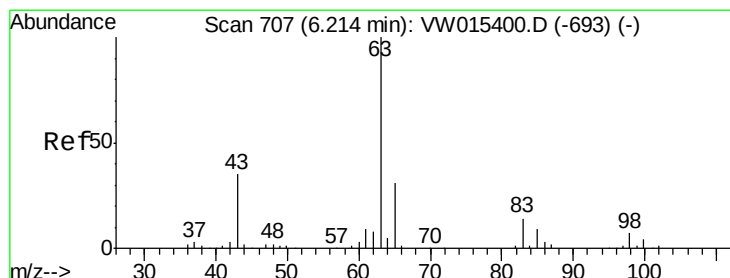
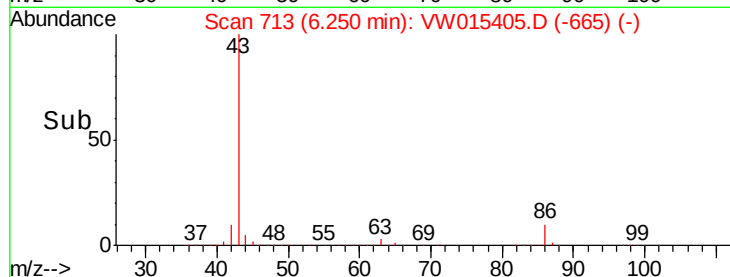
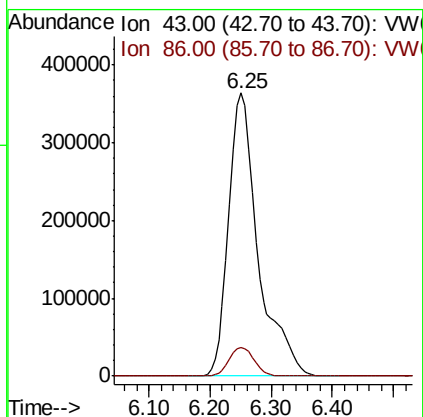
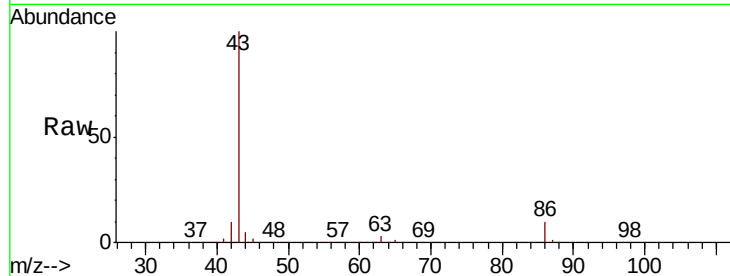
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1215328

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 50.371 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

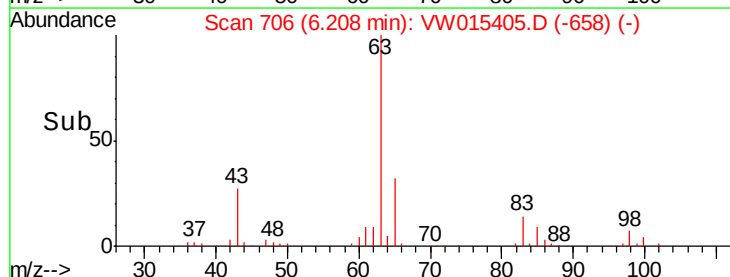
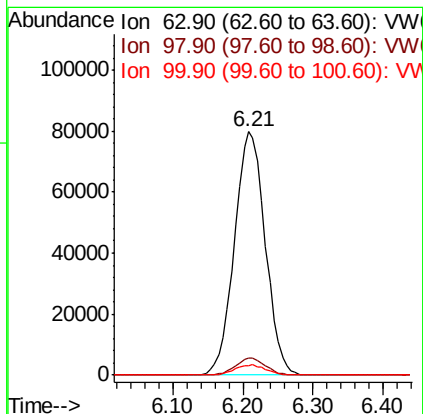
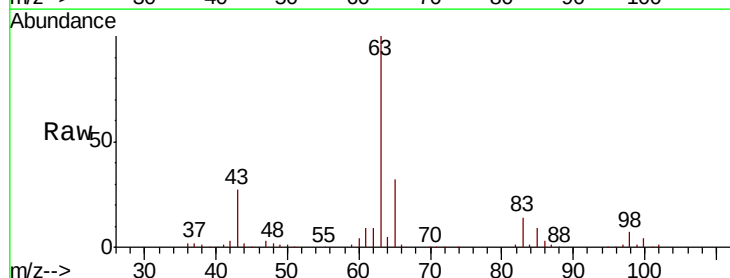
Tgt Ion: 63 Resp: 243299

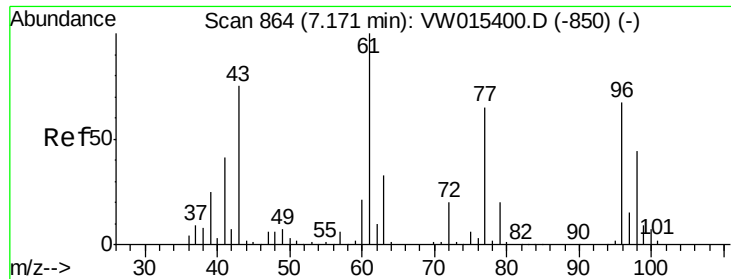
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.1 2.1 6.5

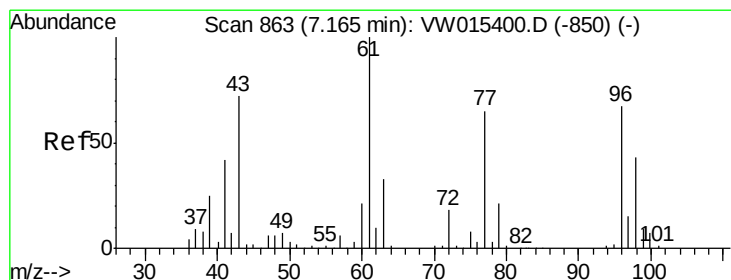
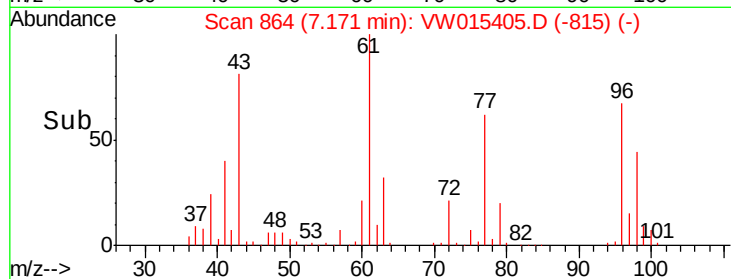
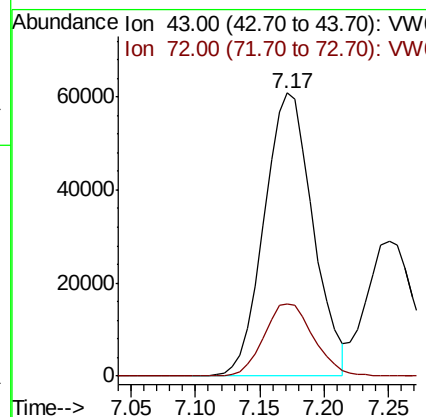
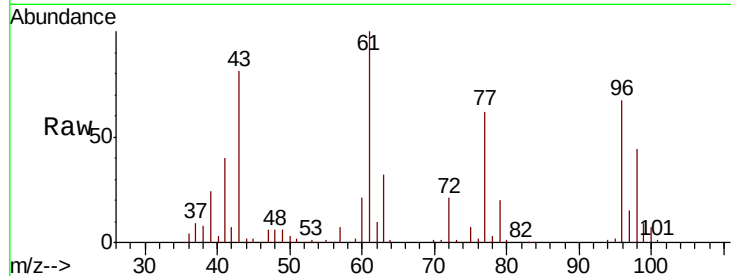




#25
2-Butanone
Concen: 245.327 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

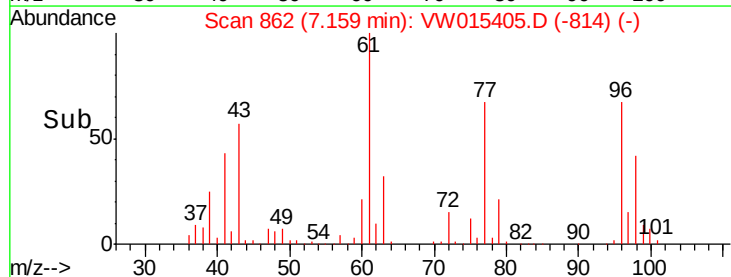
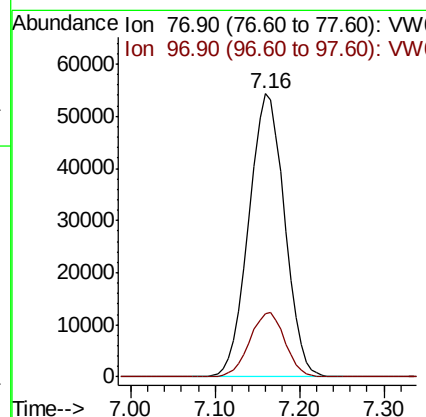
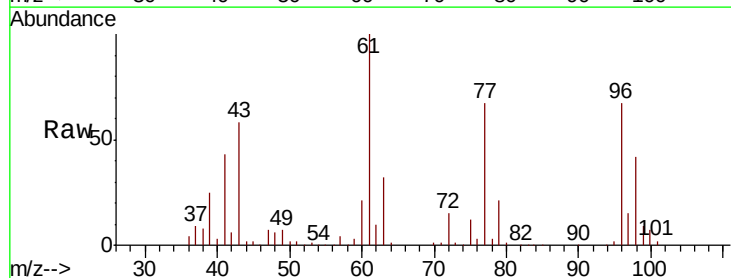
Instrument :
MSVOA_W
ClientSampled :

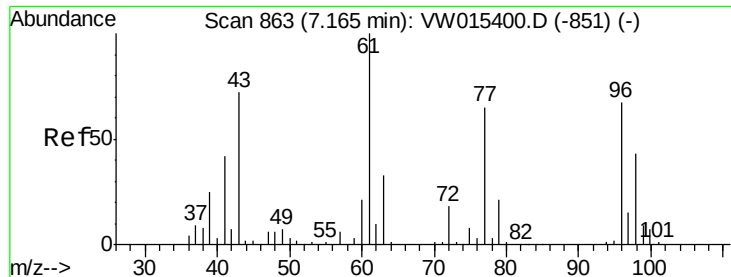
Tot Ion: 43 Resp: 158983
Ion Ratio Lower Upper
43 100
72 25.6 21.4 32.0



#26
2,2-Dichloropropane
Concen: 49.123 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 77 Resp: 157261
Ion Ratio Lower Upper
77 100
97 22.3 11.1 33.1



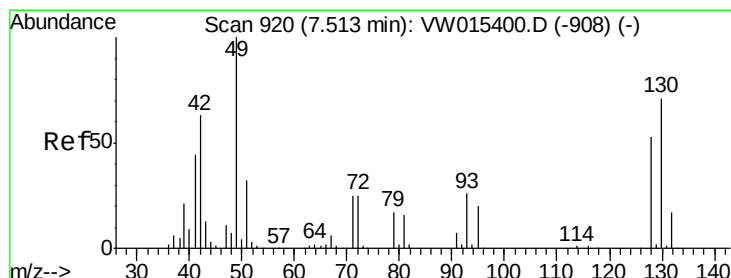
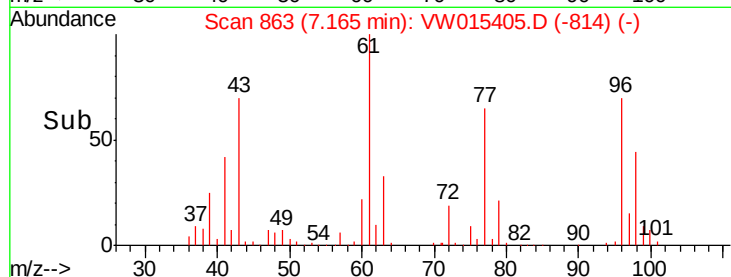
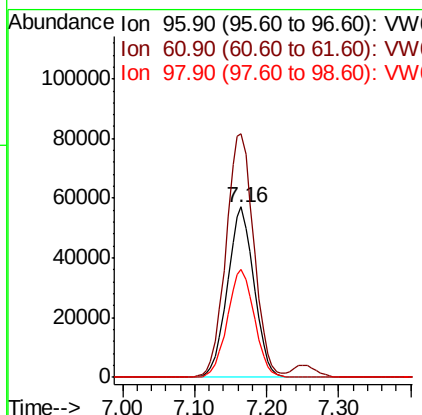
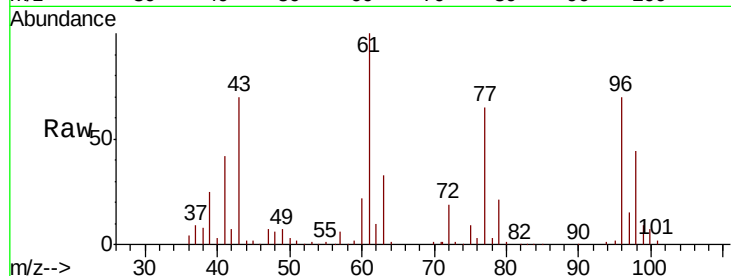


#27

cis-1,2-Dichloroethene
Concen: 50.367 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Instrument :
MSVOA_W
ClientSampled :

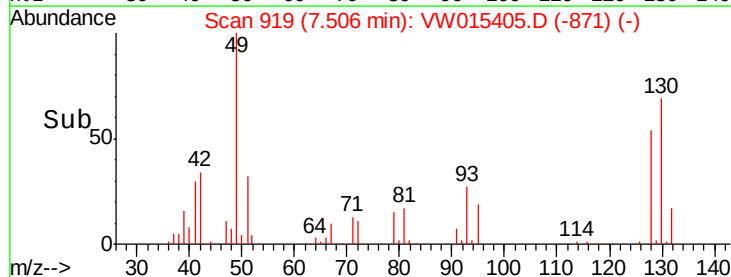
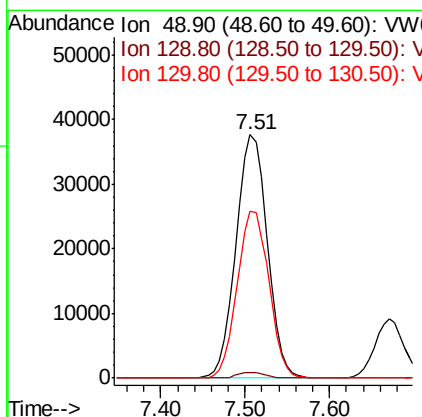
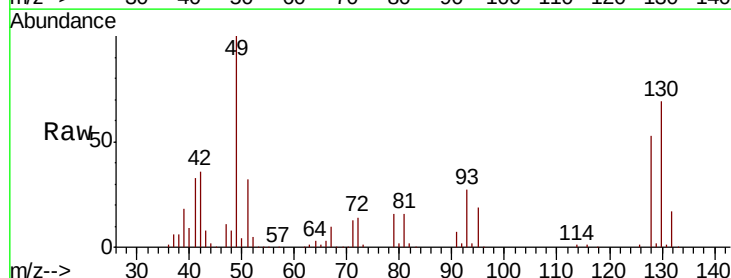
Tot Ion: 96 Resp: 146093
Ion Ratio Lower Upper
96 100
61 149.8 0.0 304.6
98 64.5 0.0 129.2

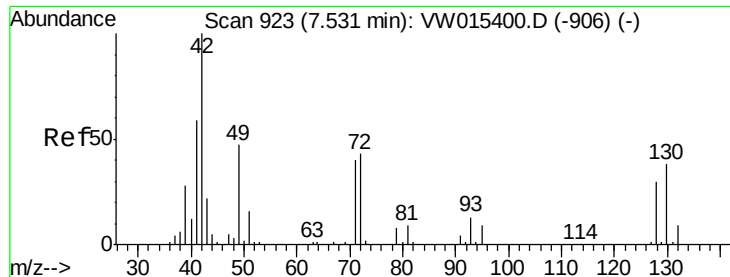


#28

Bromochloromethane
Concen: 48.811 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 49 Resp: 94799
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.0
130 69.1 57.0 85.4

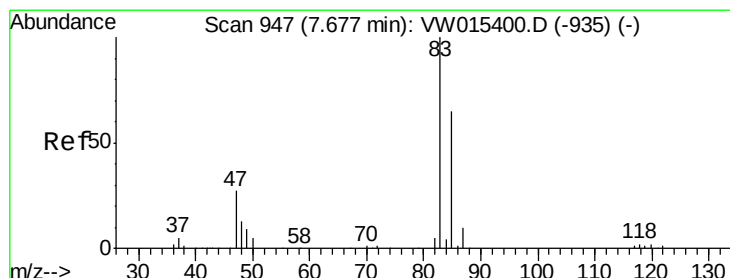
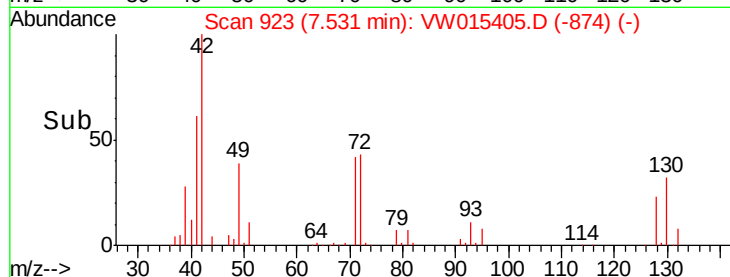
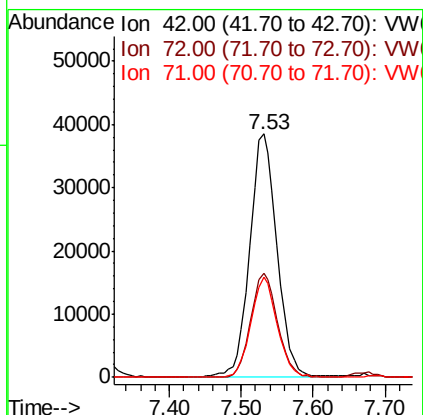
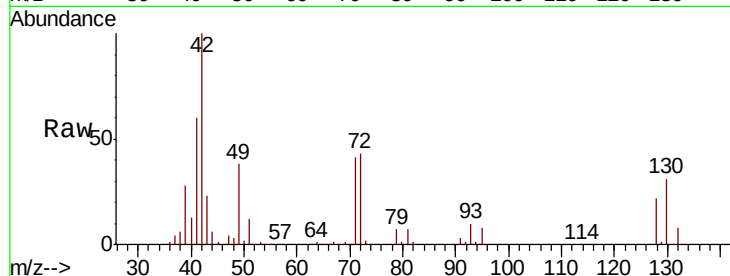




#29
Tetrahydrofuran
Concen: 238.269 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

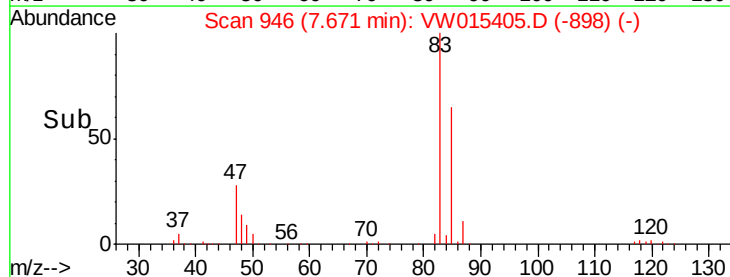
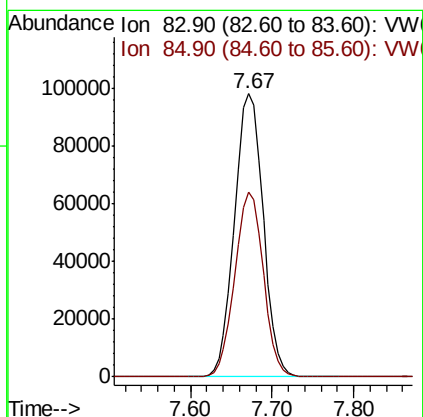
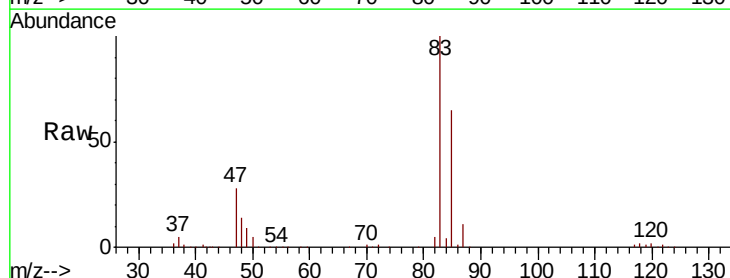
Instrument :
MSVOA_W
ClientSampled :

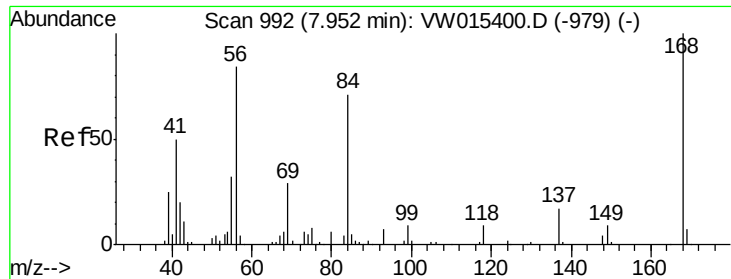
Tot Ion: 42 Resp: 101618
Ion Ratio Lower Upper
42 100
72 41.8 33.6 50.4
71 39.6 32.1 48.1



#30
Chloroform
Concen: 49.863 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 83 Resp: 239301
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.6

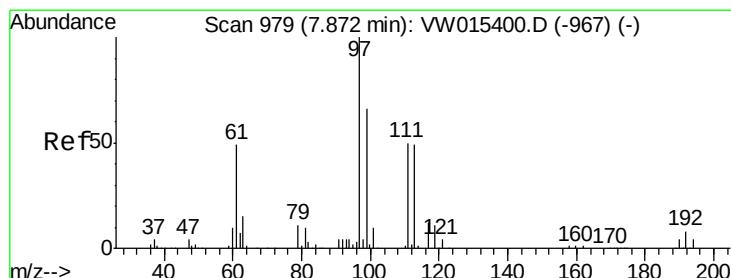
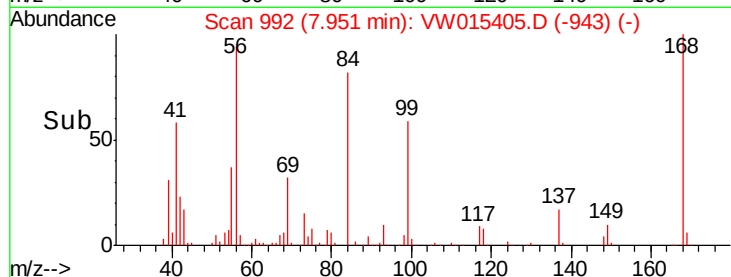
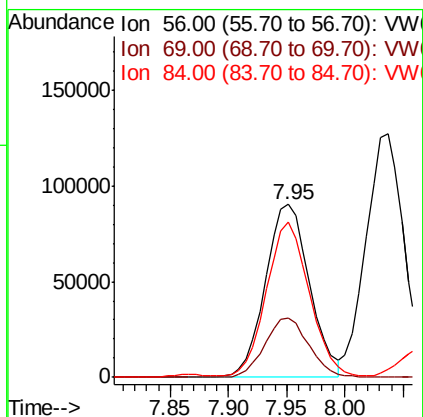
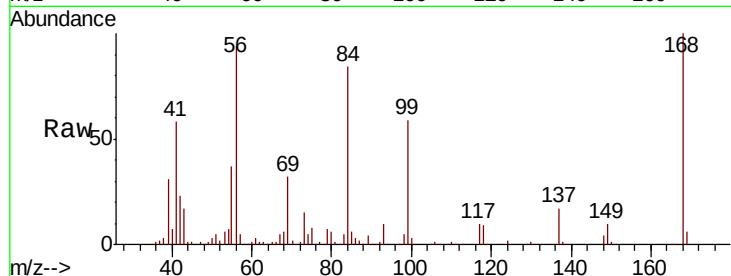




#31
Cyclohexane
Concen: 48.246 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

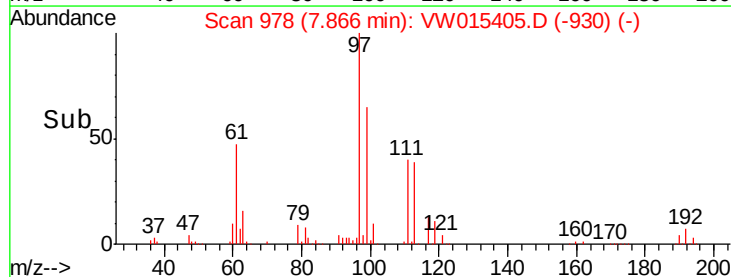
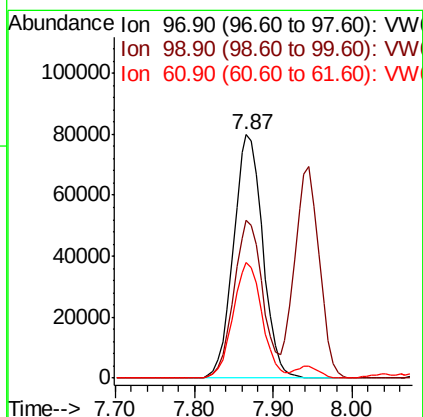
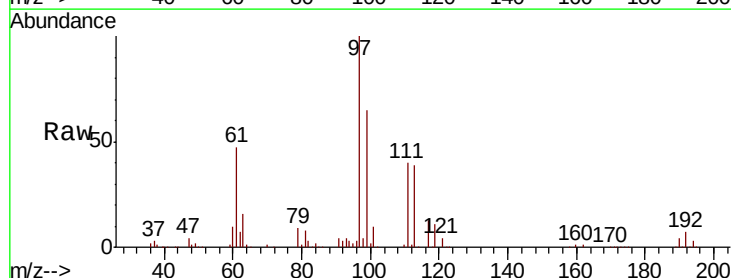
Instrument :
MSVOA_W
ClientSampleId :

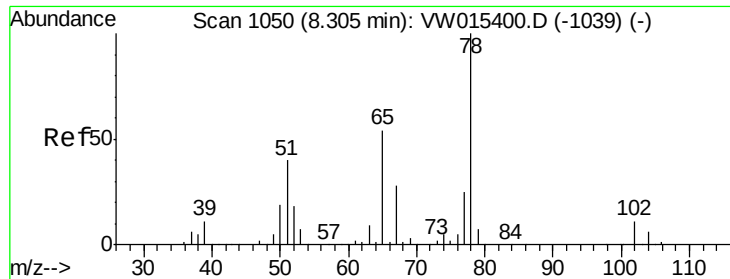
Tot Ion: 56 Resp: 236612
Ion Ratio Lower Upper
56 100
69 34.6 27.2 40.8
84 87.9 67.7 101.5



#32
1,1,1-Trichloroethane
Concen: 51.036 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 97 Resp: 205855
Ion Ratio Lower Upper
97 100
99 64.5 50.7 76.1
61 47.5 38.0 57.0

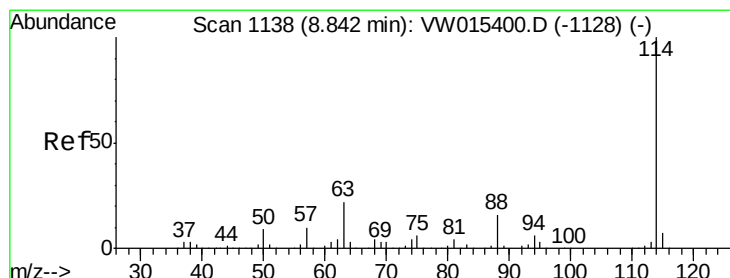
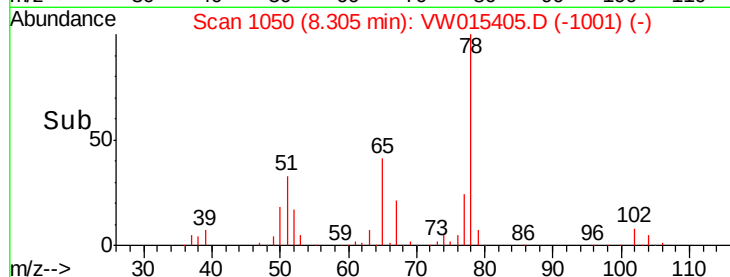
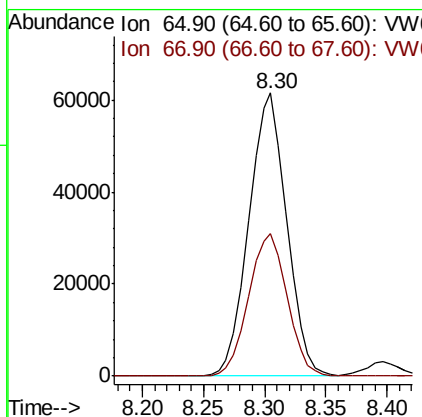
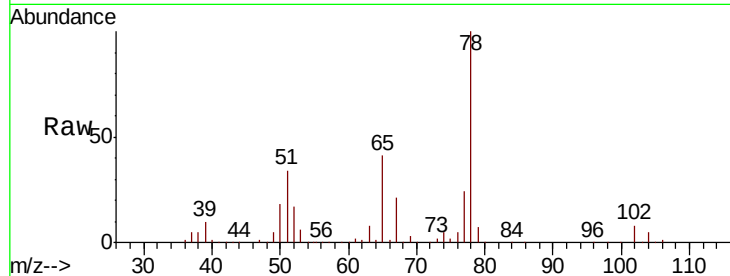




#33
 1,2-Dichloroethane-d4
 Concen: 49.432 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

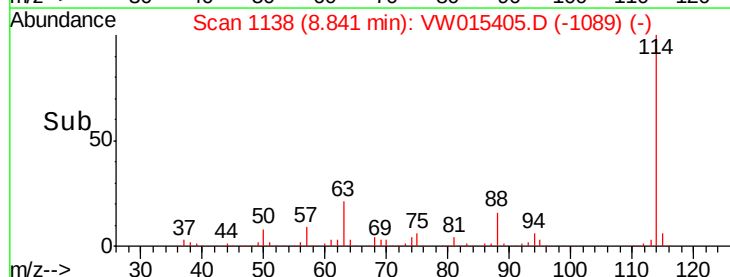
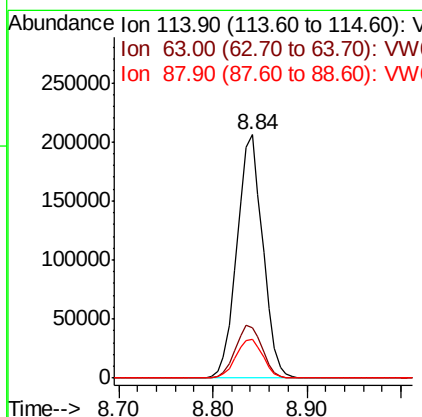
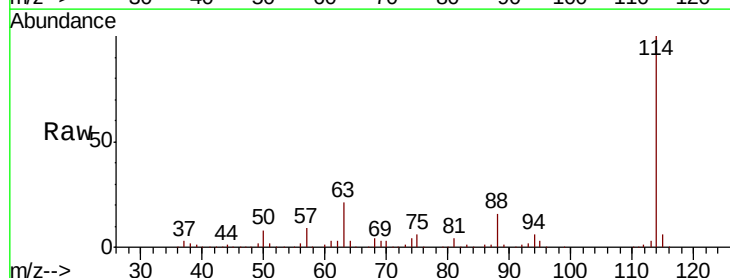
Instrument :
 MSVOA_W
 ClientSampleId :

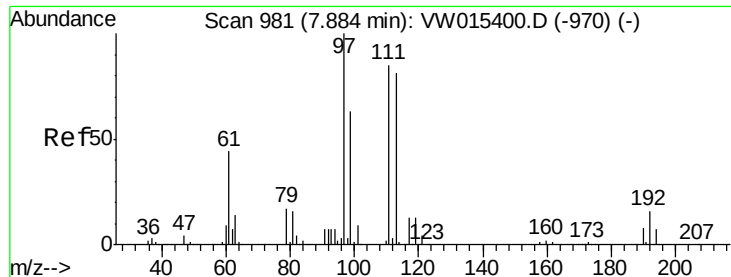
Tot Ion: 65 Resp: 132296
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 114 Resp: 393207
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 15.9 0.0 31.8

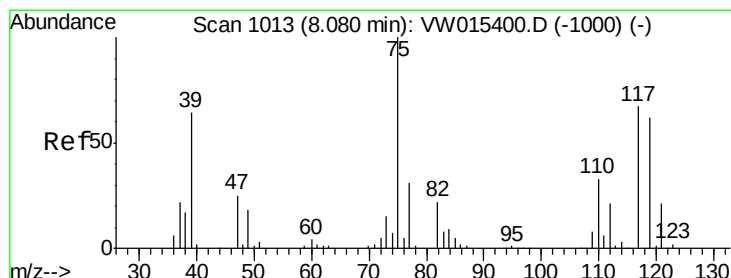
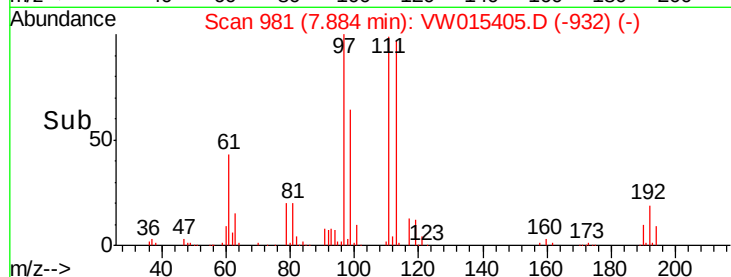
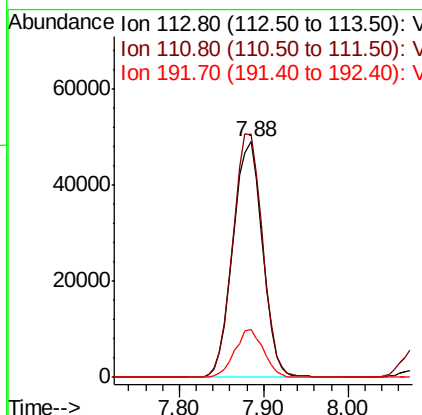
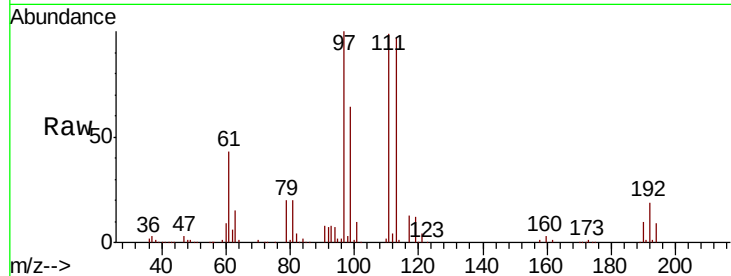




#35
 Dibromofluoromethane
 Concen: 51.457 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

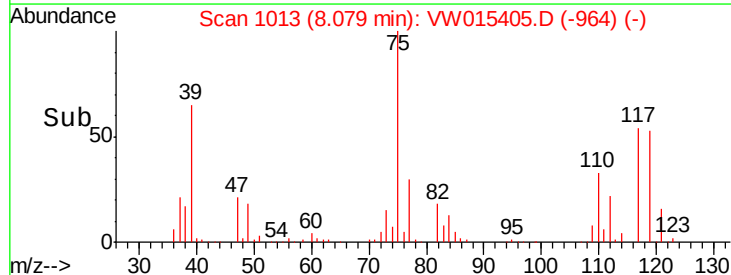
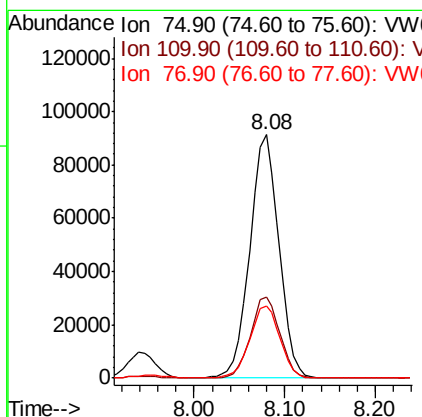
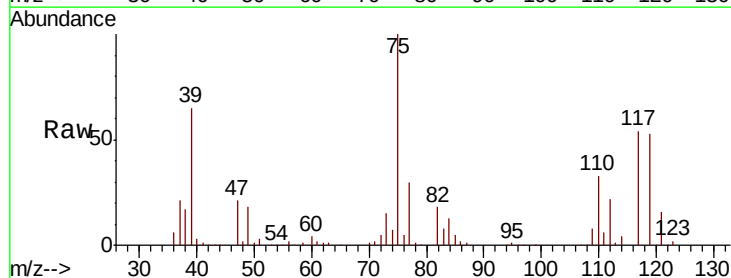
Instrument :
 MSVOA_W
 ClientSampleId :

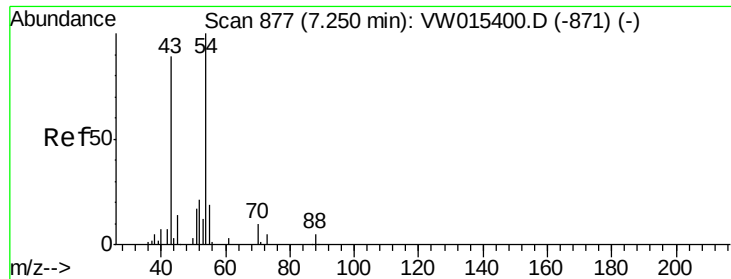
Tot Ion:113 Resp: 116130
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 19.6 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 52.438 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 75 Resp: 202579
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.6 49.8
 77 30.8 24.5 36.7

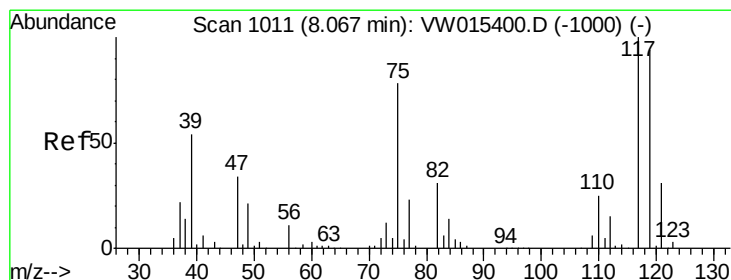
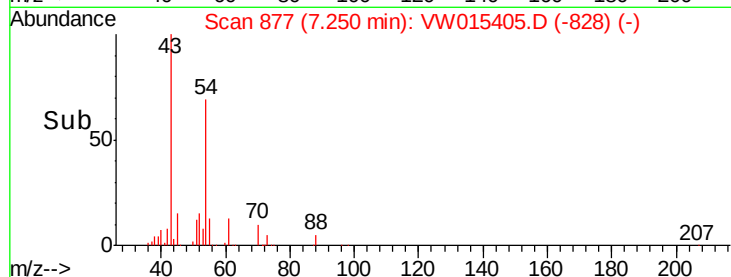
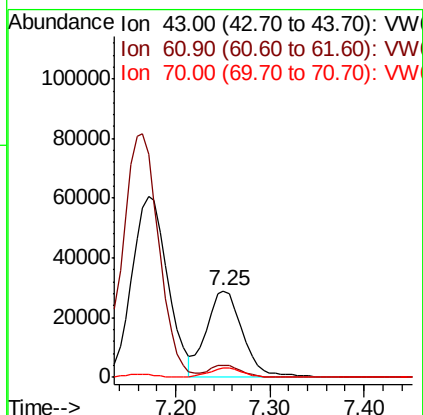
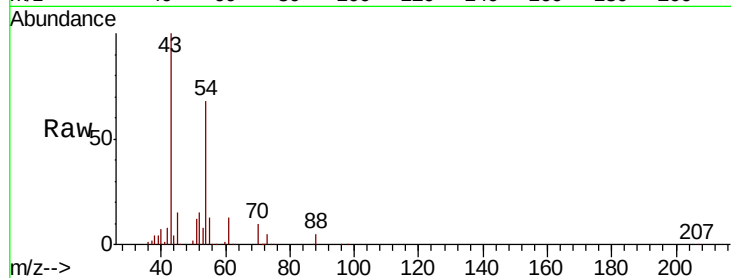




#37
Ethyl Acetate
Concen: 51.114 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

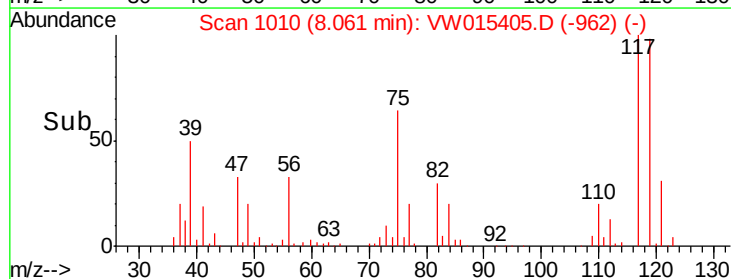
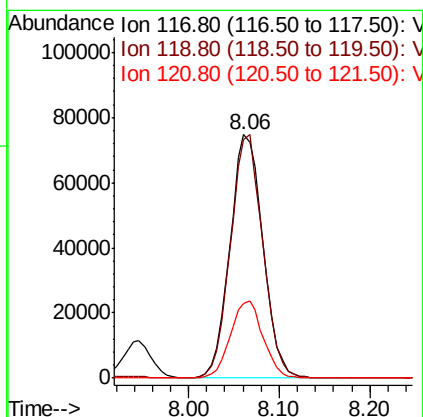
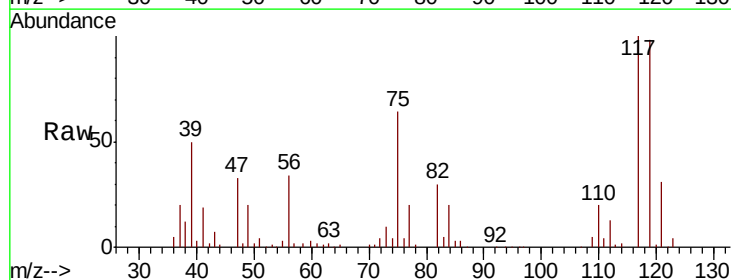
Instrument :
MSVOA_W
ClientSampled :

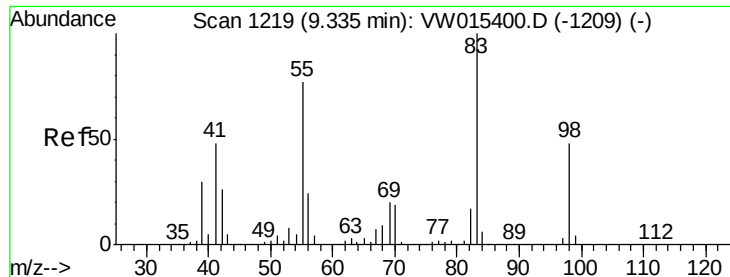
Tot Ion: 43 Resp: 76619
Ion Ratio Lower Upper
43 100
61 13.4 10.2 15.2
70 10.0 8.0 12.0



#38
Carbon Tetrachloride
Concen: 52.228 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 117 Resp: 188628
Ion Ratio Lower Upper
117 100
119 97.8 75.4 113.0
121 30.9 24.8 37.2

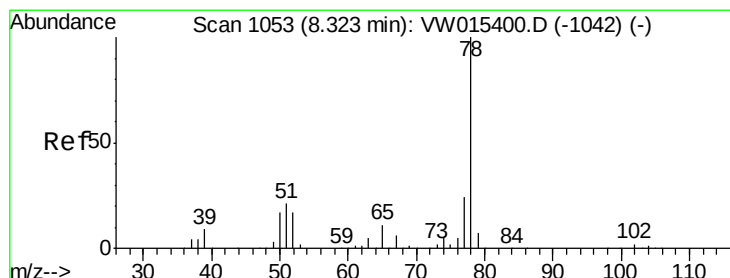
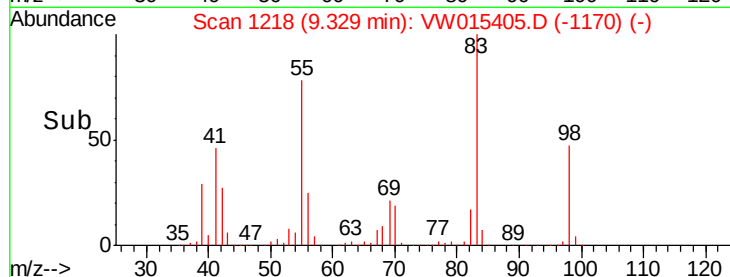
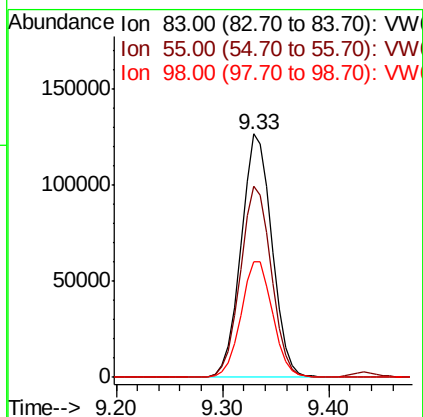
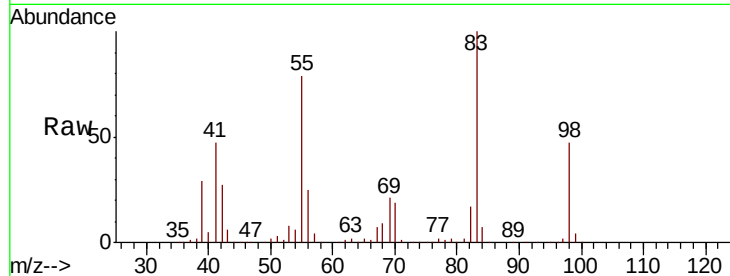




#39
Methylvlcyclohexane
Concen: 52.774 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

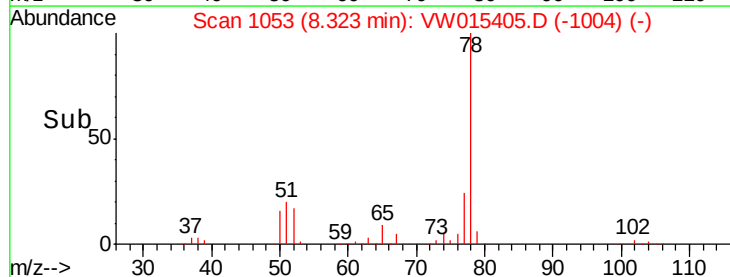
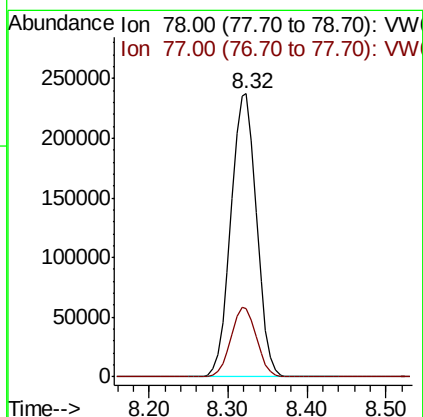
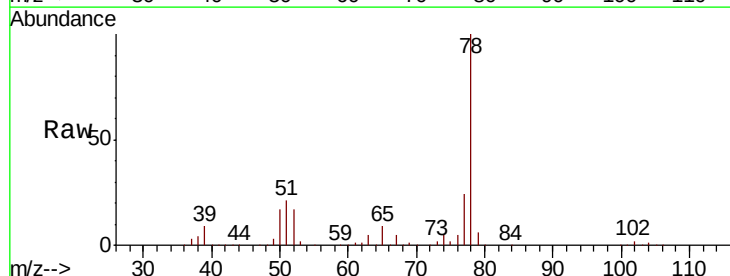
Instrument :
MSVOA_W
ClientSampleId :

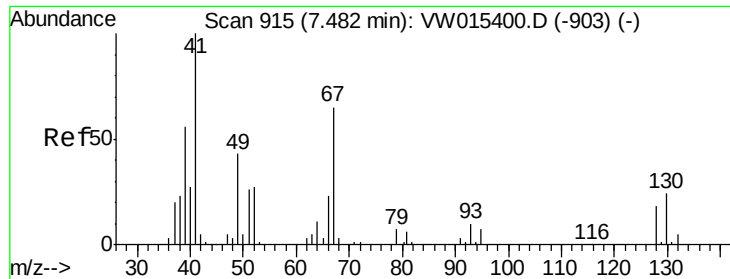
Tot Ion: 83 Resp: 258072
Ion Ratio Lower Upper
83 100
55 78.5 61.9 92.9
98 47.3 38.2 57.2



#40
Benzene
Concen: 50.927 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 78 Resp: 536586
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

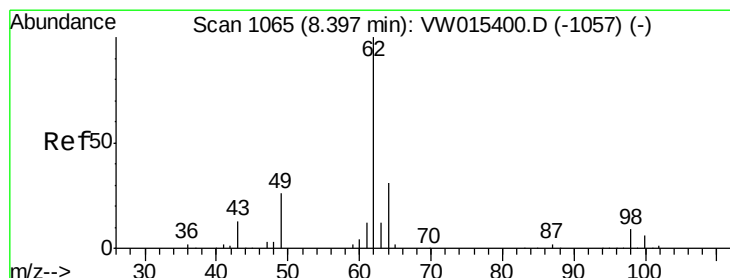
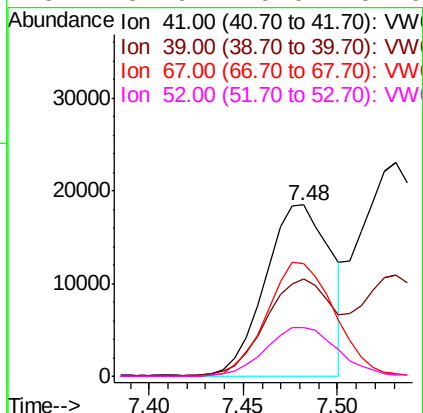
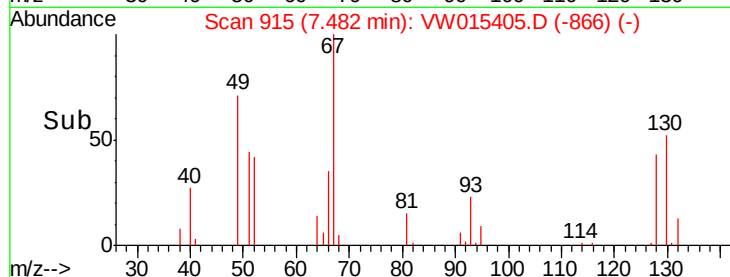
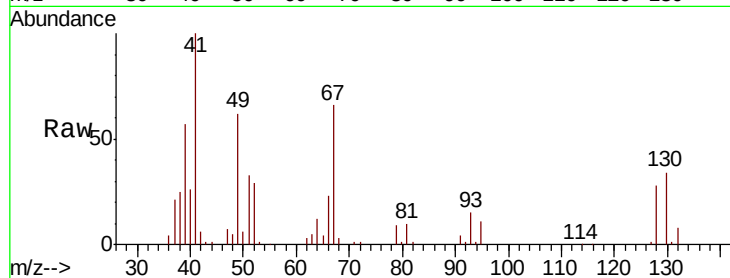




#41
Methacrylonitrile
Concen: 46.900 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

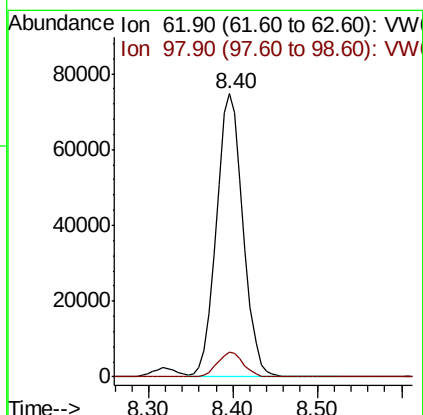
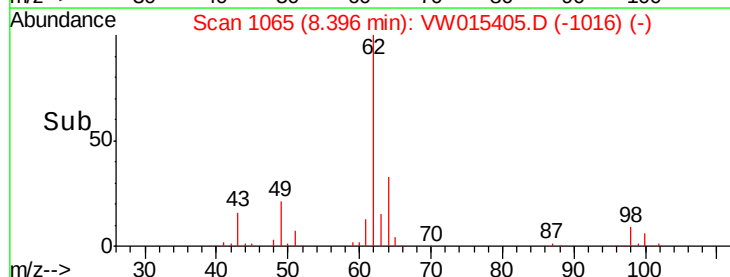
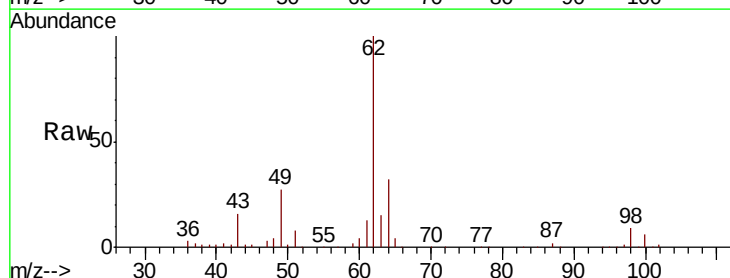
Instrument :
MSVOA_W
ClientSampleId :

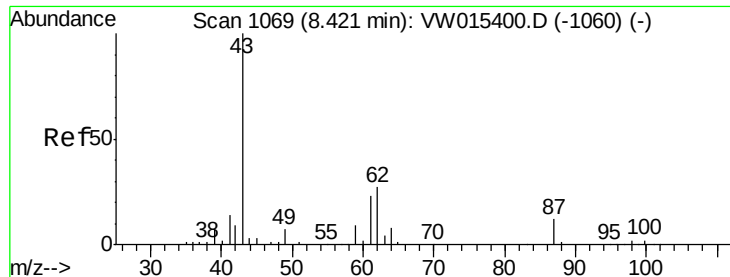
Tot Ion:	41	Resp:	44420
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.2	69.4
67	69.7	56.2	84.2
52	31.9	25.0	37.6



#42
1,2-Dichloroethane
Concen: 50.566 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:	62	Resp:	162275
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 49.805 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

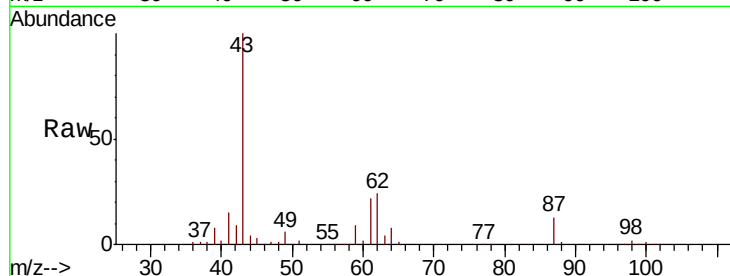
Tot Ion: 43 Resp: 157010

Ion Ratio Lower Upper

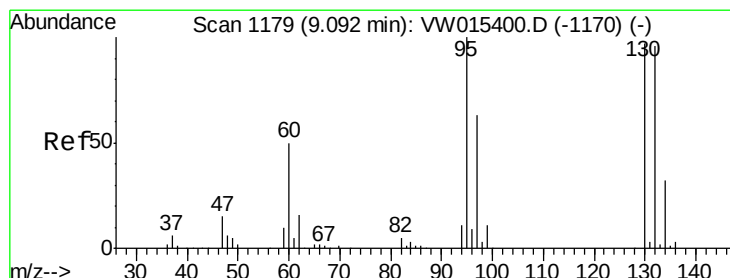
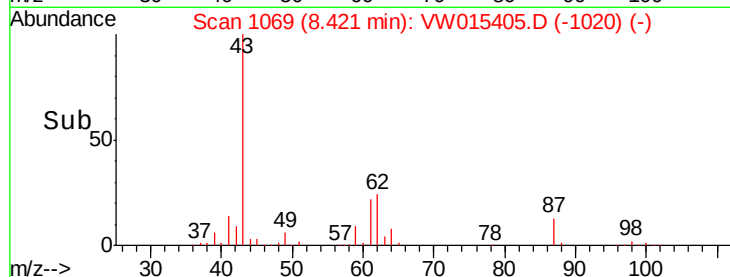
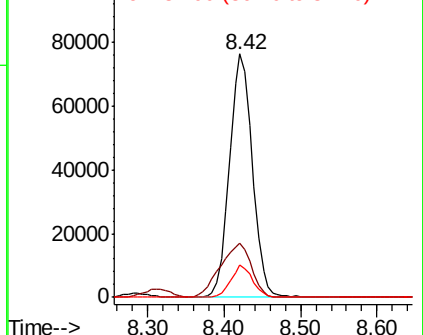
43 100

61 30.2 24.3 36.5

87 12.6 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.204 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015405.D

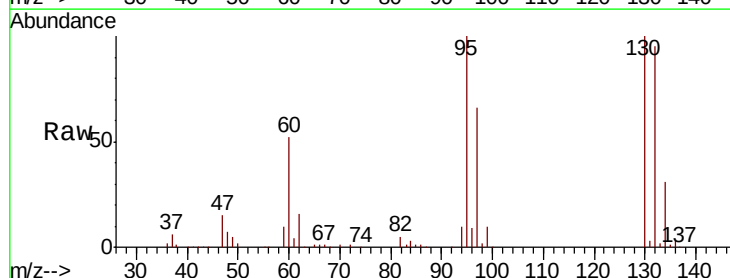
Acq: 06 May 2020 09:45

Tgt Ion:130 Resp: 142561

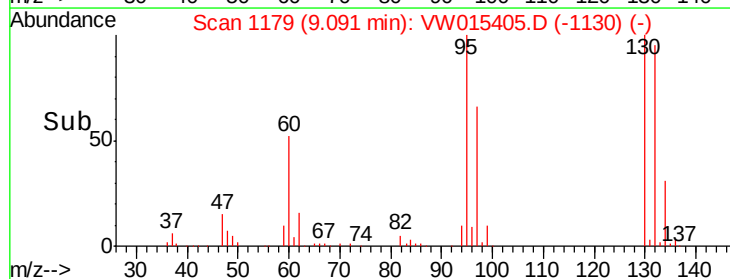
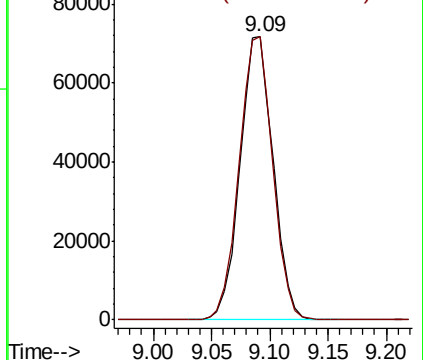
Ion Ratio Lower Upper

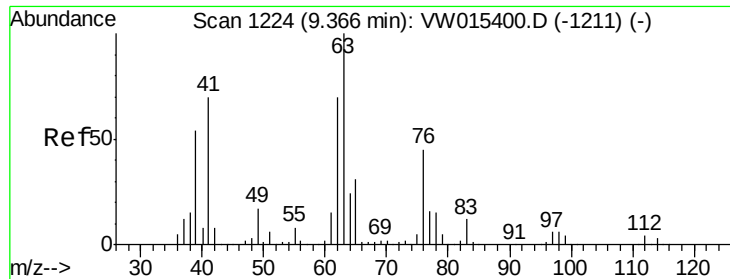
130 100

95 100.0 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

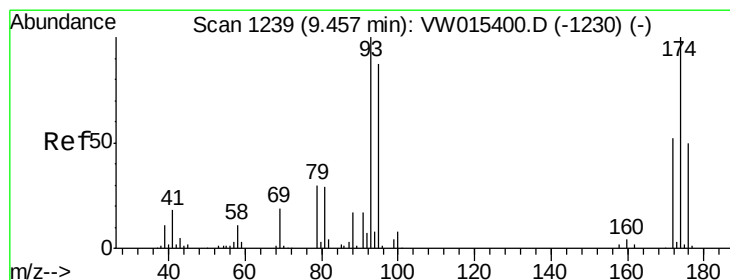
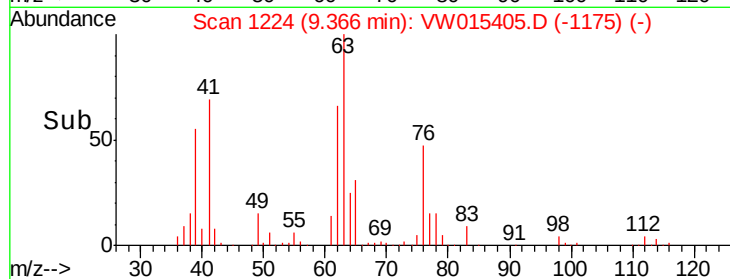
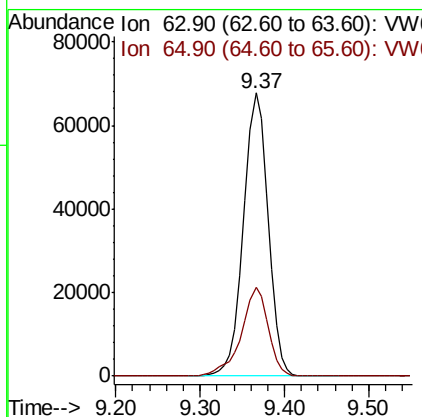
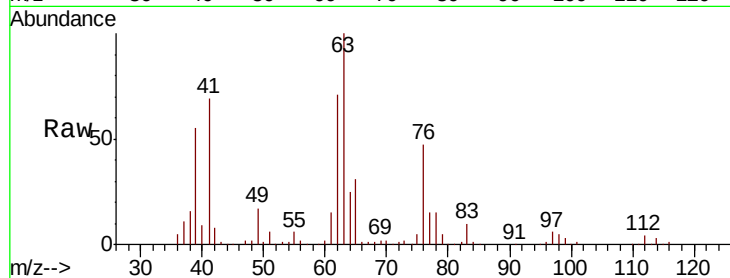




#45
 1,2-Dichloropropane
 Concen: 51.136 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

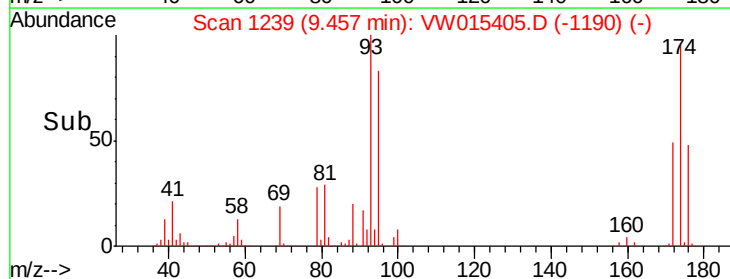
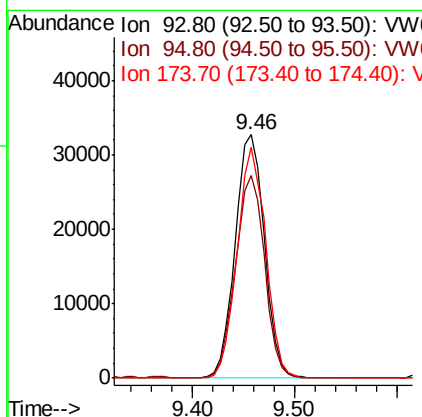
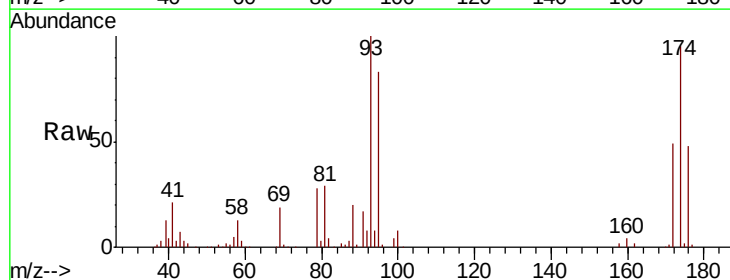
Instrument :
 MSVOA_W
 ClientSampleId :

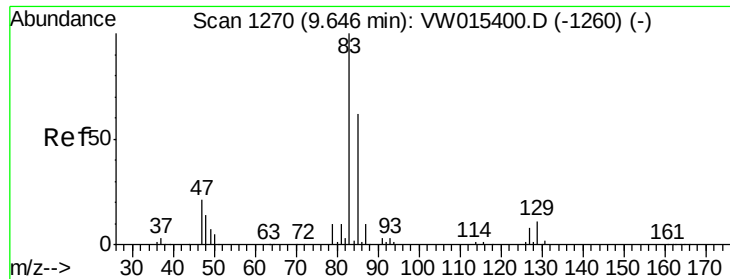
Tot Ion: 63 Resp: 133097
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 50.075 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 93 Resp: 64825
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 92.8 78.4 117.6





#47

Bromodichloromethane

Concen: 52.270 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

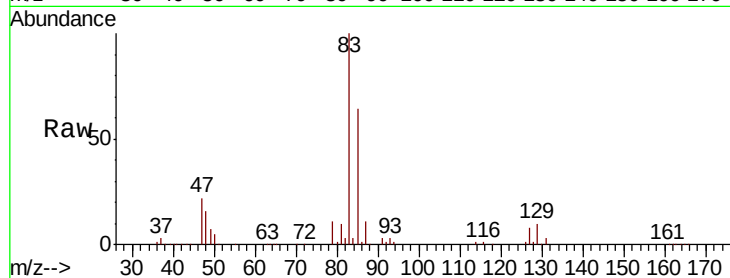
Tot Ion: 83 Resp: 184413

Ion Ratio Lower Upper

83 100

85 63.8 49.4 74.0

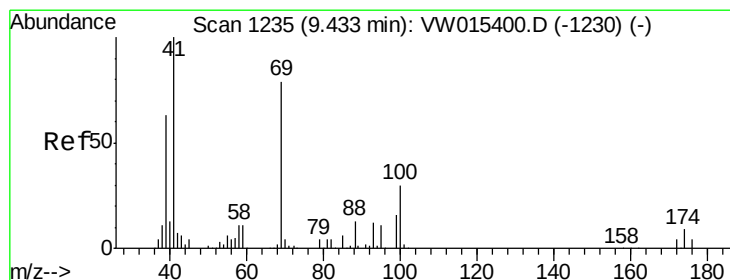
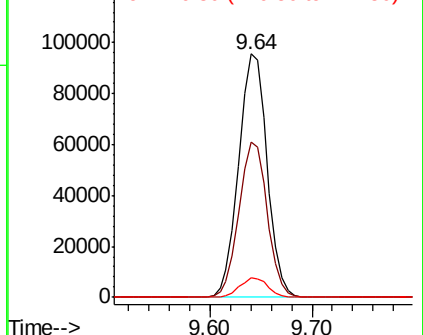
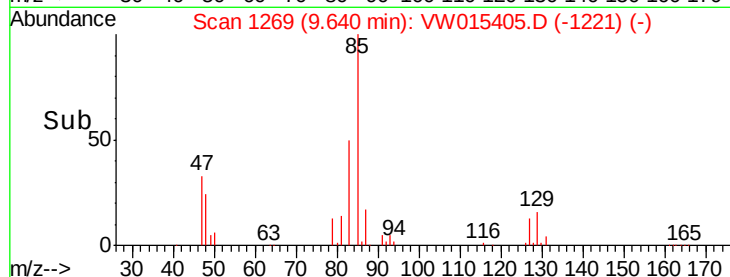
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.558 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

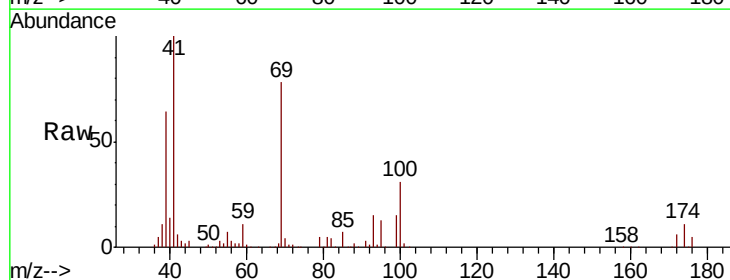
Tgt Ion: 41 Resp: 73622

Ion Ratio Lower Upper

41 100

69 83.7 66.2 99.4

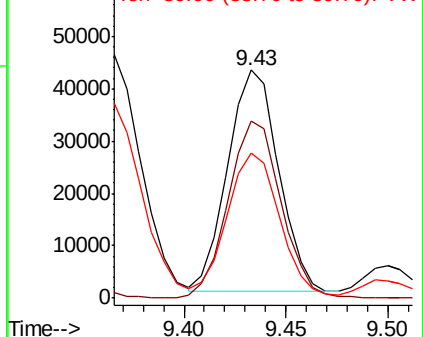
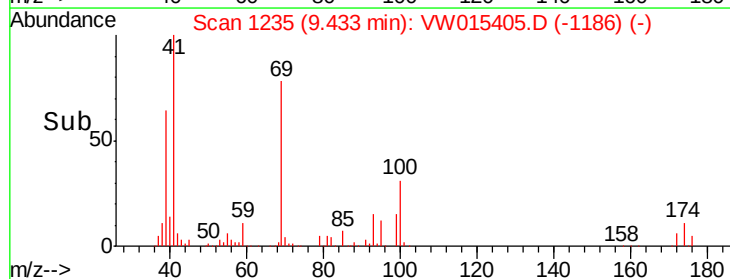
39 64.5 51.1 76.7

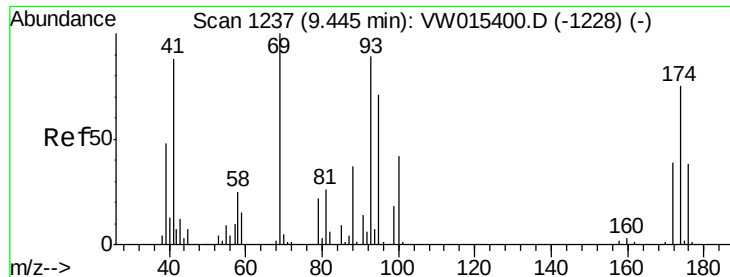


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 966.949 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

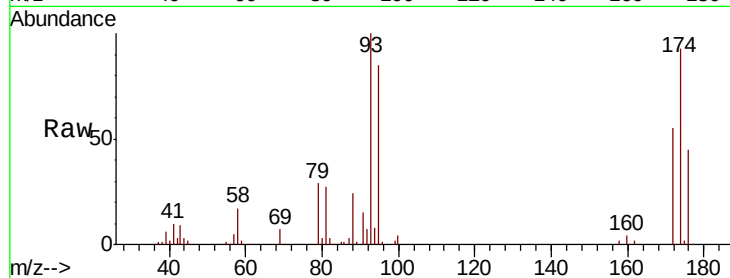
Tot Ion: 88 Resp: 15753

Ion Ratio Lower Upper

88 100

43 0.0 30.6 45.8#

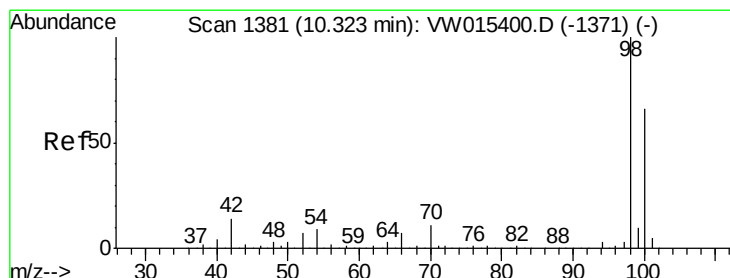
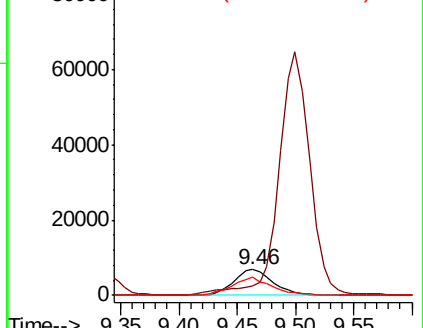
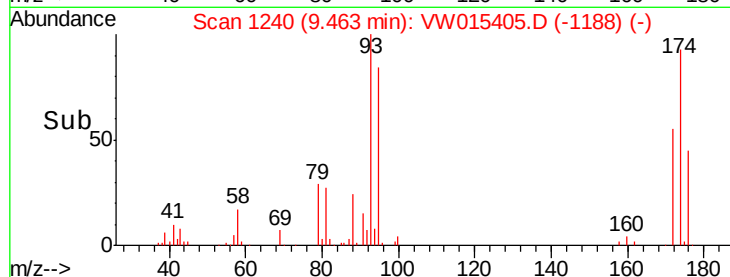
58 74.4 56.3 84.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.187 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015405.D

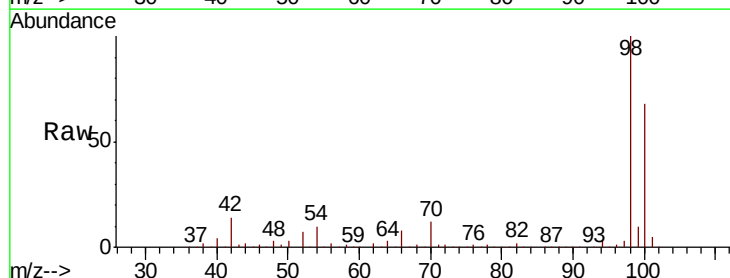
Acq: 06 May 2020 09:45

Tgt Ion: 98 Resp: 487409

Ion Ratio Lower Upper

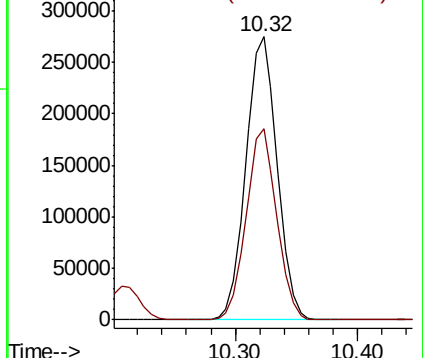
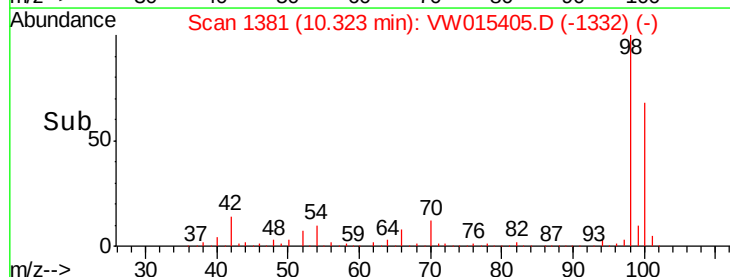
98 100

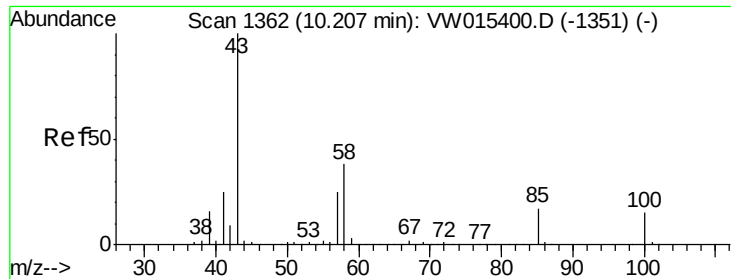
100 66.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

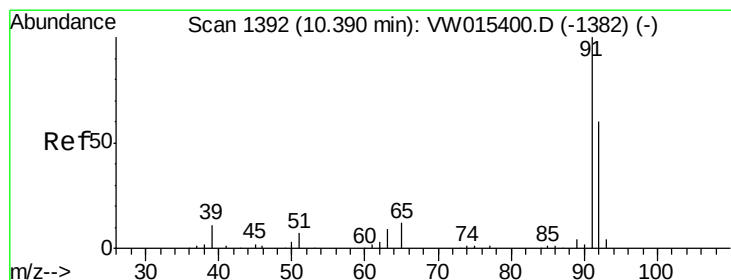
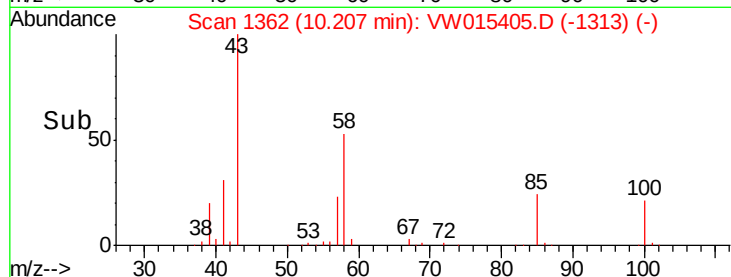
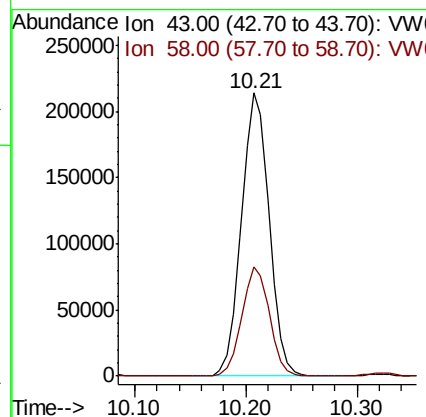
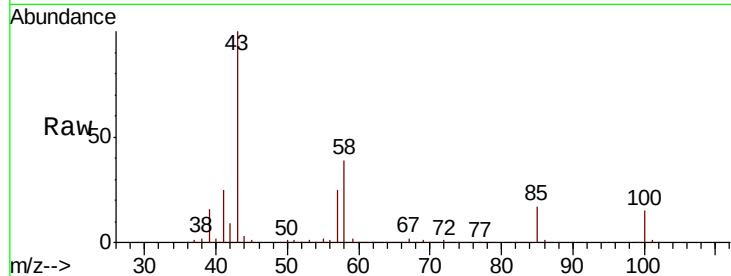




#51
4-Methyl-2-Pentanone
Concen: 249.101 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

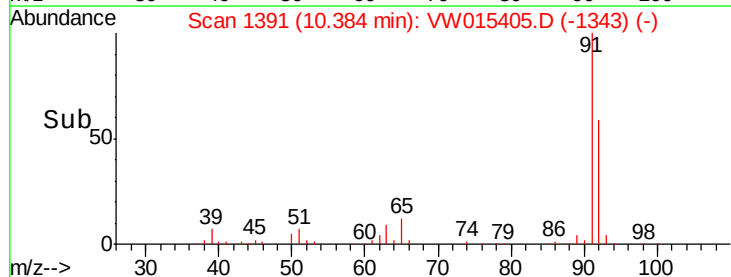
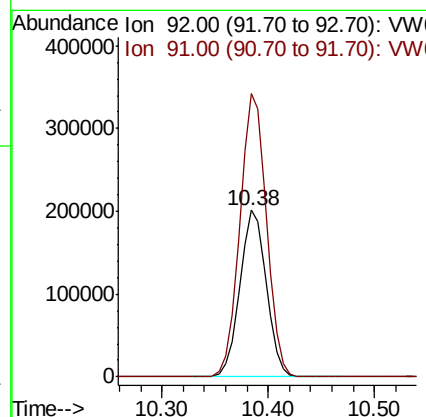
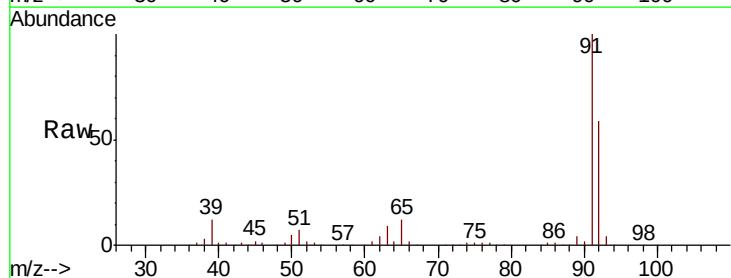
Instrument :
MSVOA_W
ClientSampled :

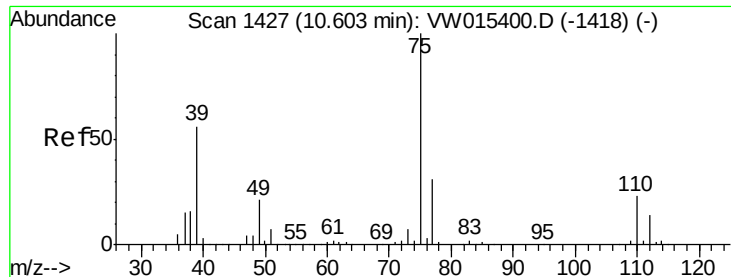
Tot Ion: 43 Resp: 368028
Ion Ratio Lower Upper
43 100
58 38.4 30.8 46.2



#52
Toluene
Concen: 51.363 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 92 Resp: 351680
Ion Ratio Lower Upper
92 100
91 170.8 135.9 203.9

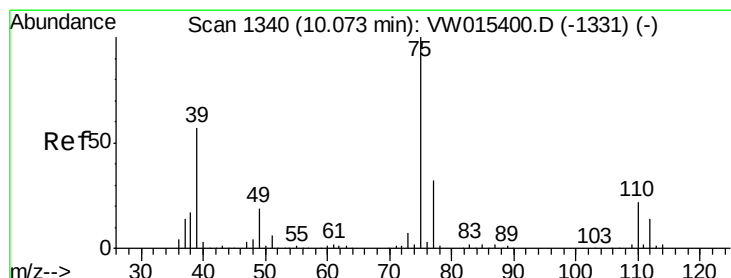
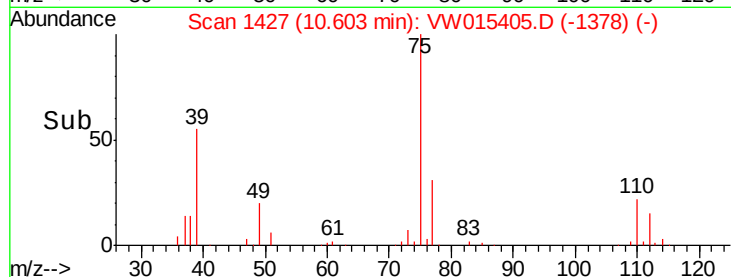
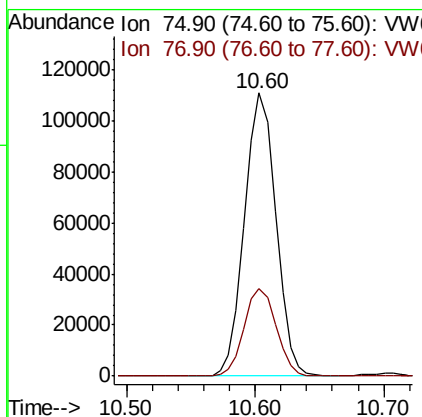
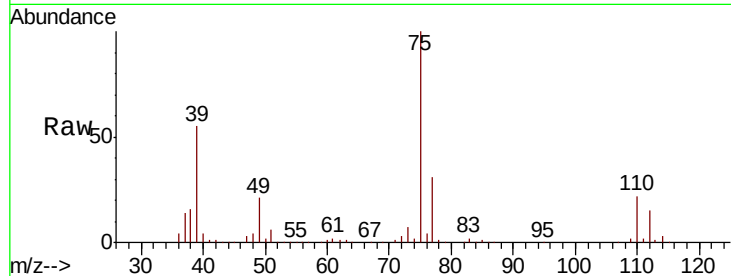




#53
 t-1,3-Dichloropropene
 Concen: 51.967 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

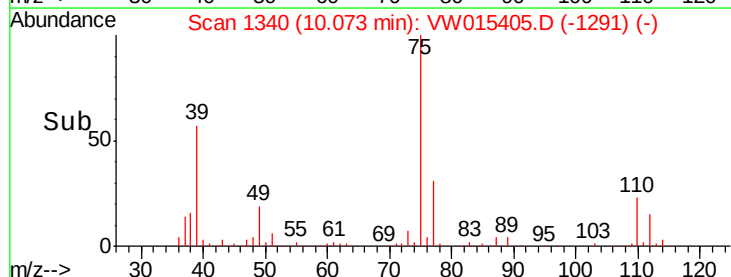
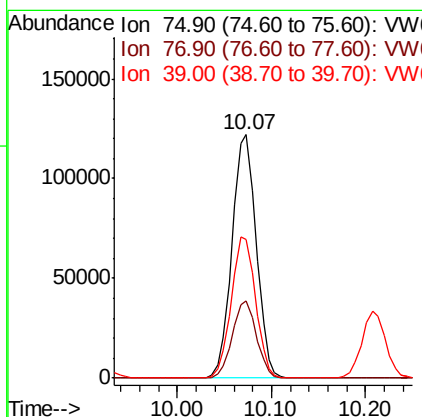
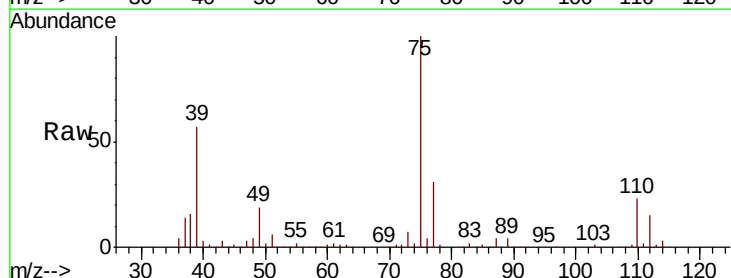
Instrument :
 MSVOA_W
 ClientSampled :

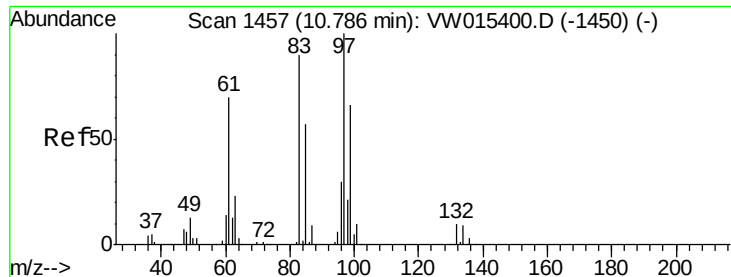
Tot Ion: 75 Resp: 187143
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 51.471 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 75 Resp: 218246
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 56.7 45.6 68.4

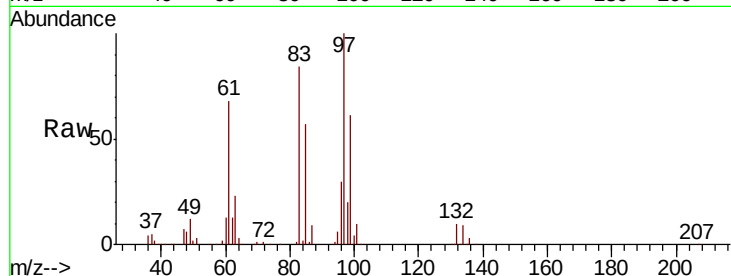




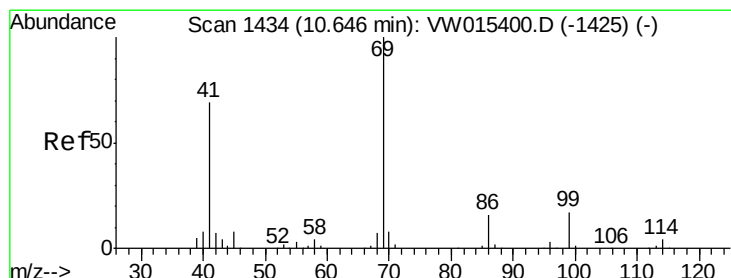
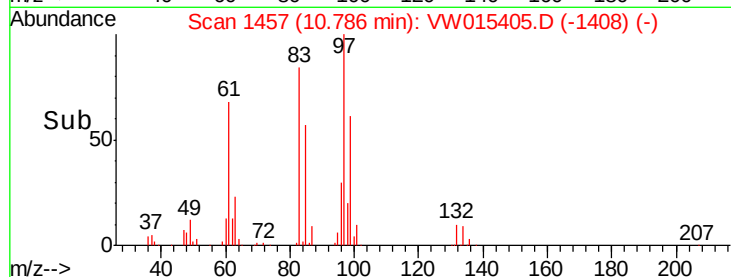
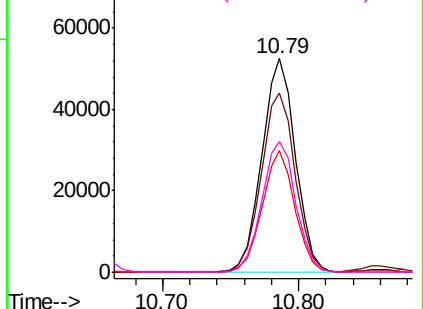
#55
 1,1,2-Trichloroethane
 Concen: 49.487 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 90592
 Ion Ratio Lower Upper
 97 100
 83 84.2 72.2 108.4
 85 56.8 45.2 67.8
 99 61.2 52.6 78.8

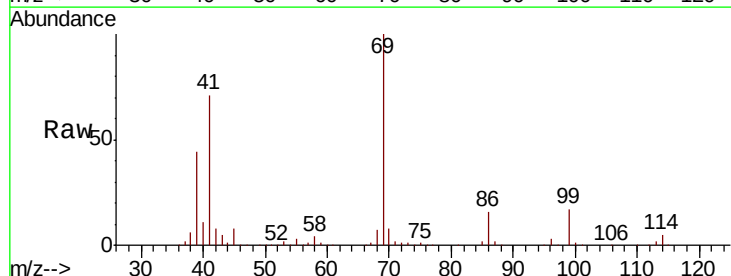


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

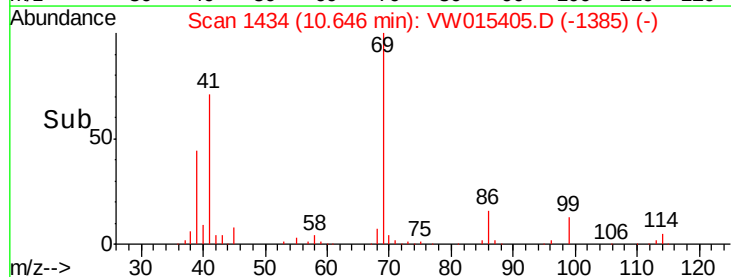
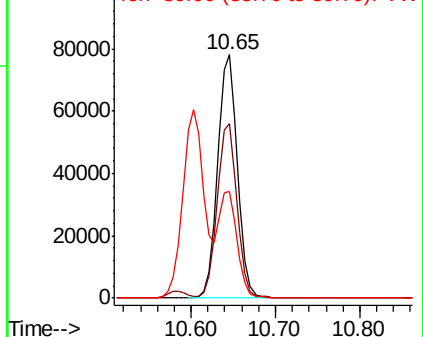


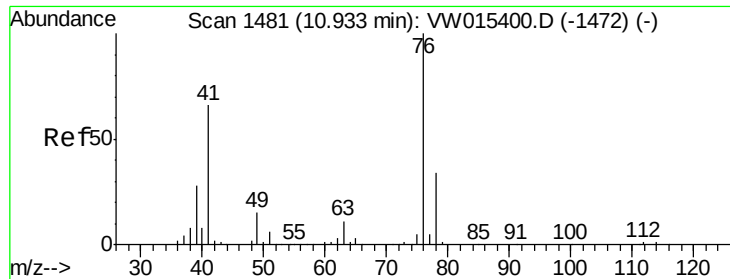
#56
 Ethyl methacrylate
 Concen: 50.215 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 69 Resp: 126303
 Ion Ratio Lower Upper
 69 100
 41 71.8 55.3 82.9
 39 40.0 31.9 47.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

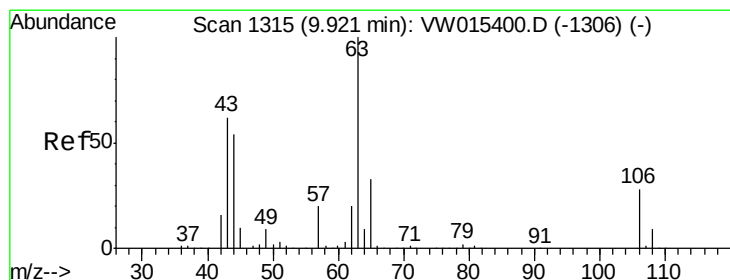
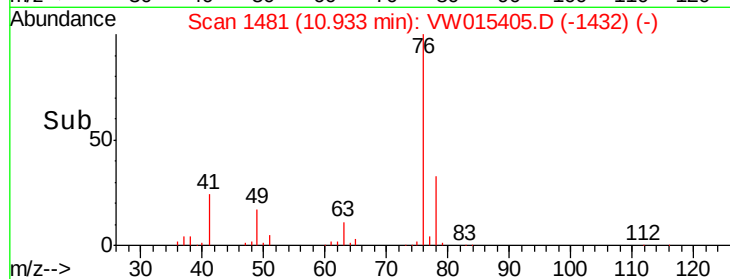
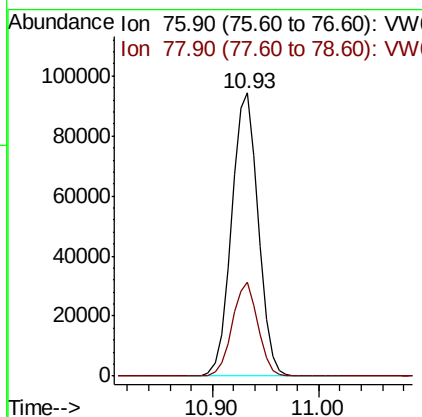
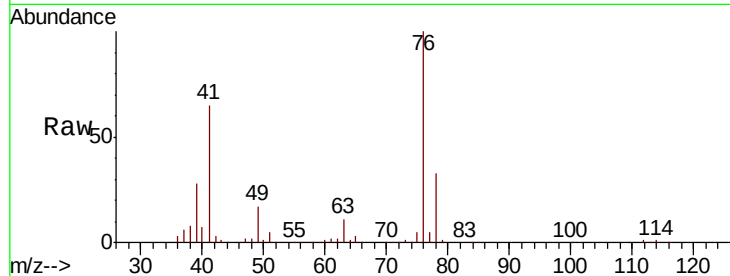




#57
 1,3-Dichloropropane
 Concen: 50.101 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

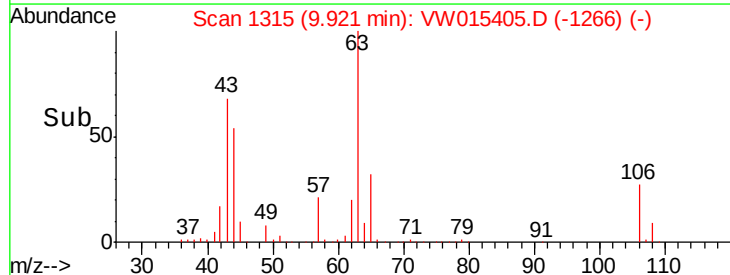
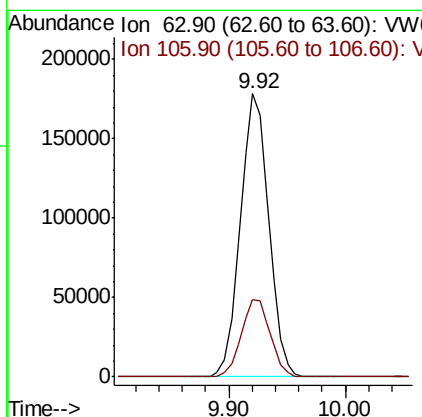
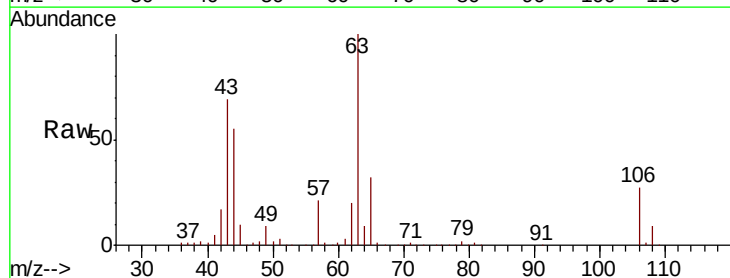
Instrument :
 MSVOA_W
 ClientSampled :

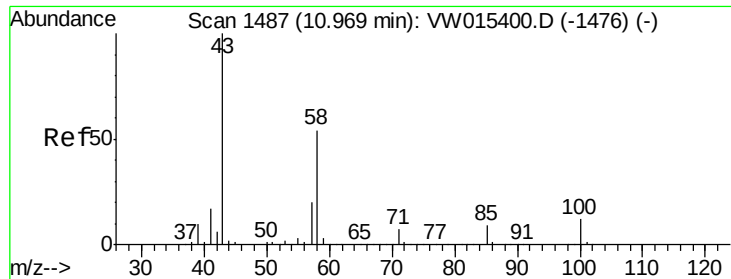
Tot Ion: 76 Resp: 164903
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.087 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 63 Resp: 303574
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 33.8

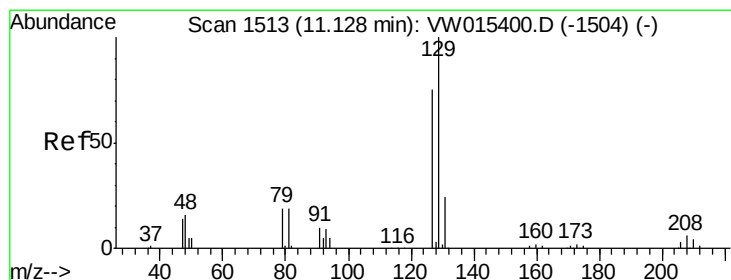
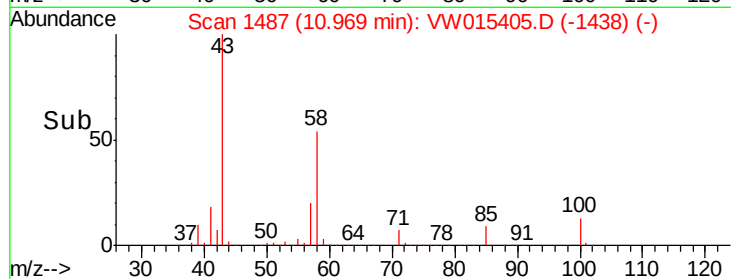
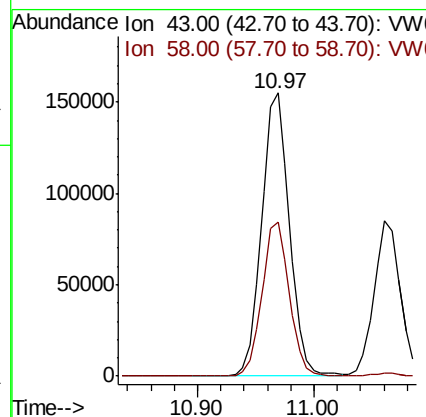
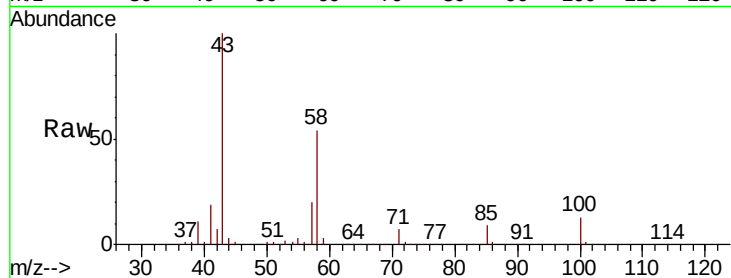




#59
2-Hexanone
Concen: 255.652 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

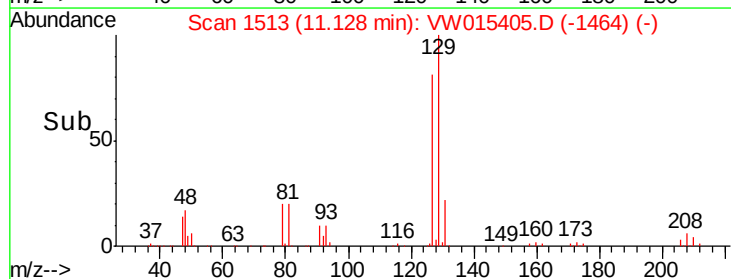
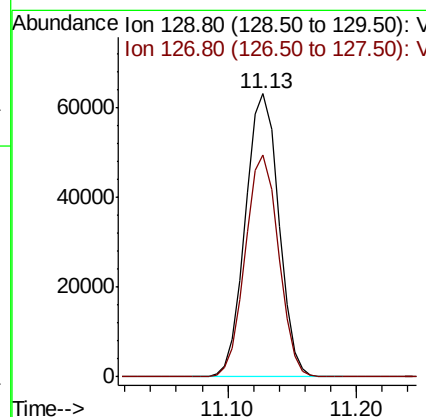
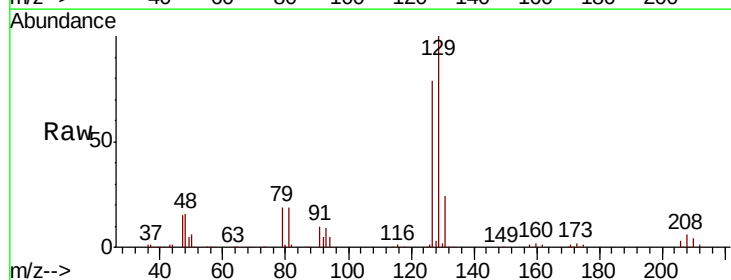
Instrument :
MSVOA_W
ClientSampleId :

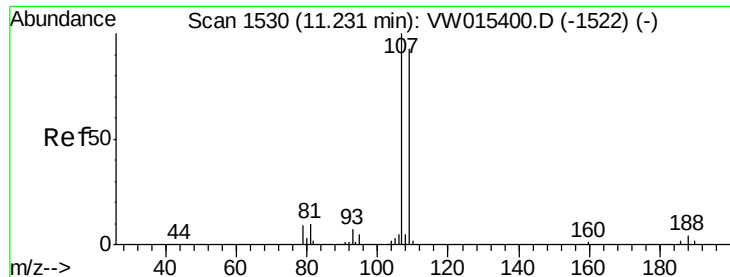
Tot Ion: 43 Resp: 255568
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.0



#60
Dibromochloromethane
Concen: 51.281 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion: 129 Resp: 112904
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2

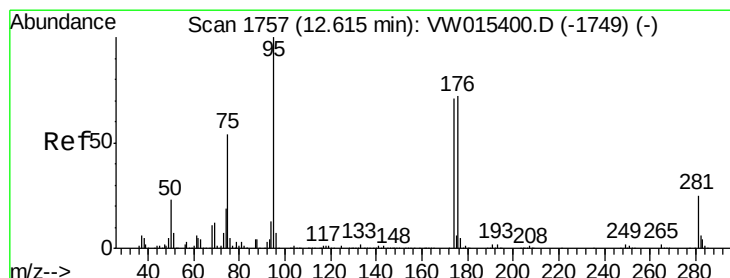
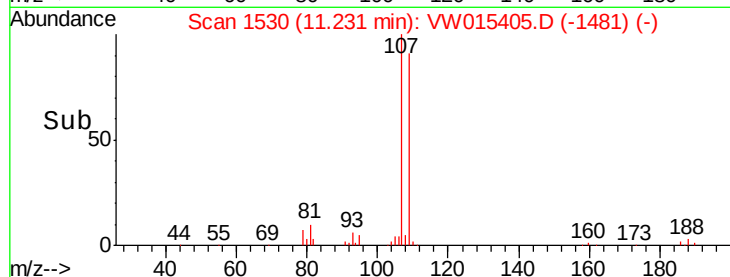
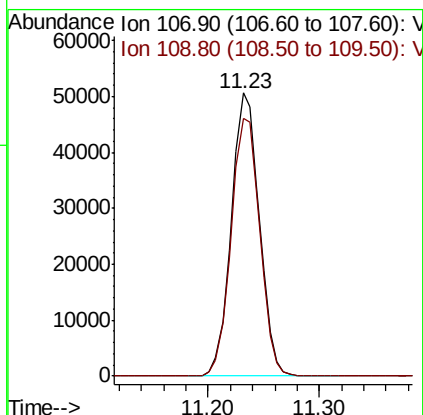
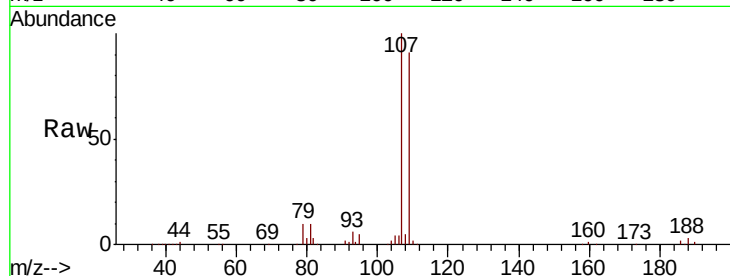




#61
 1,2-Dibromoethane
 Concen: 50.701 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

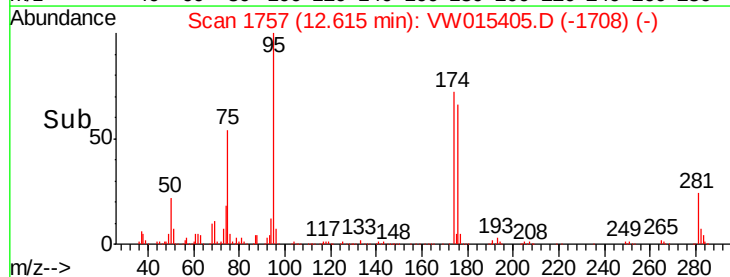
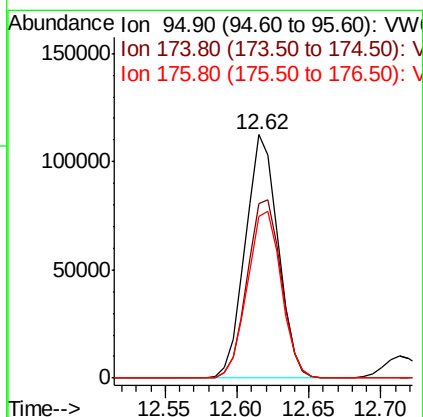
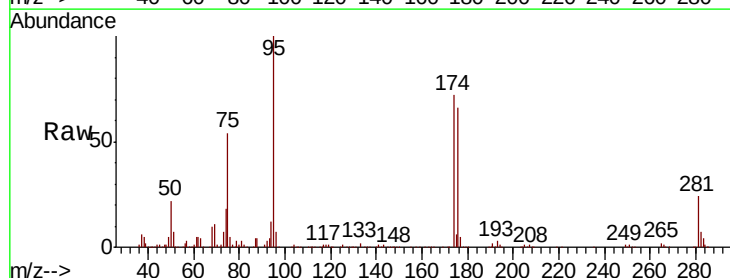
Instrument :
 MSVOA_W
 ClientSampled :

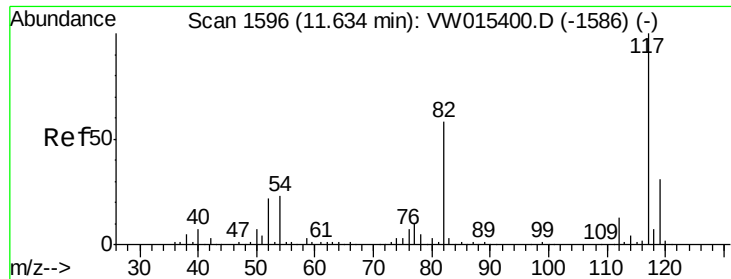
Tot Ion: 107 Resp: 87882
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.284 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion: 95 Resp: 176865
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 147.6
 176 71.2 0.0 144.4

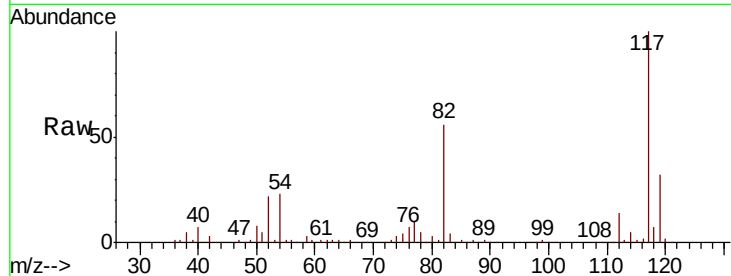




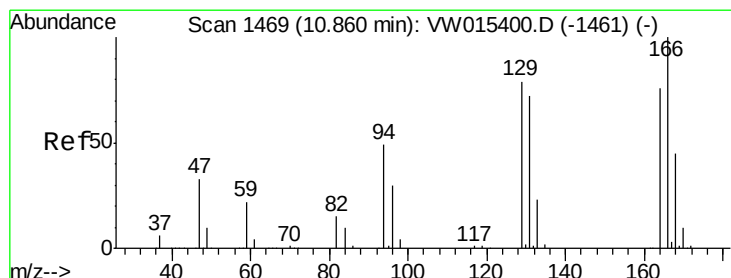
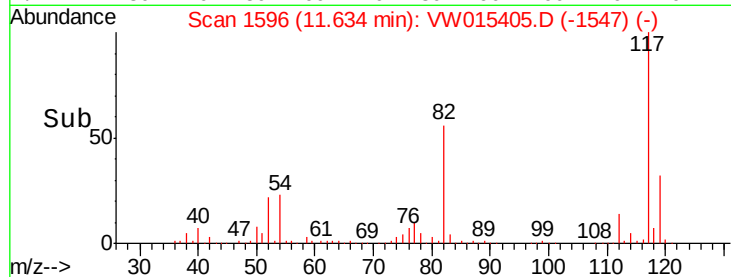
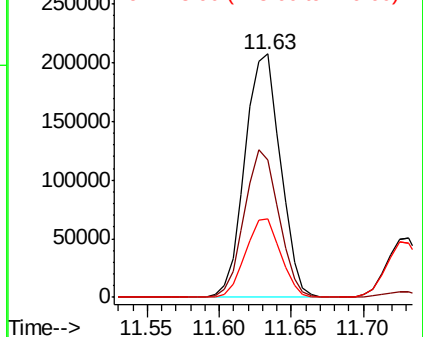
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 354081
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.0 24.6 37.0

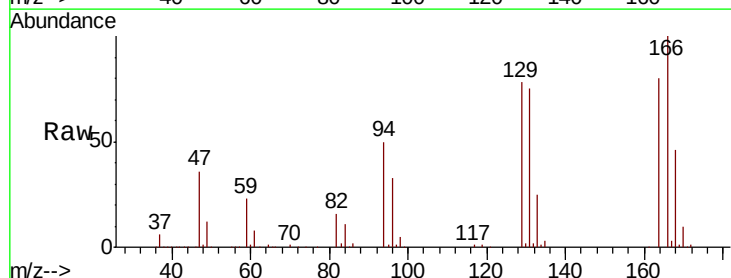


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

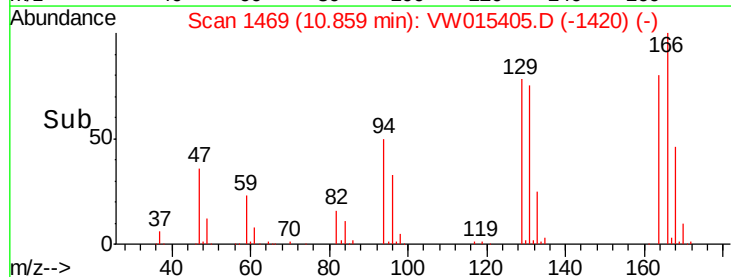
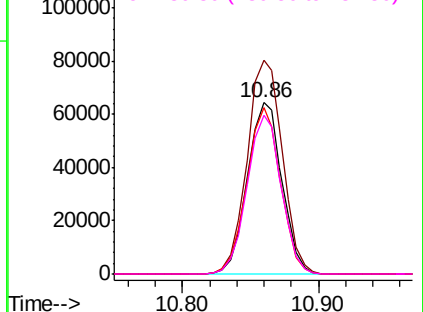


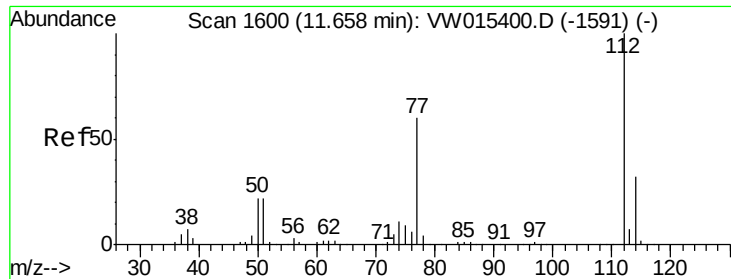
#64
Tetrachloroethene
Concen: 52.708 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:164 Resp: 114074
Ion Ratio Lower Upper
164 100
166 124.7 104.9 157.3
129 96.9 82.7 124.1
131 93.0 75.5 113.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

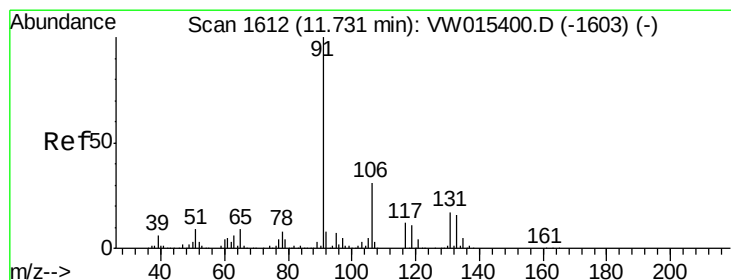
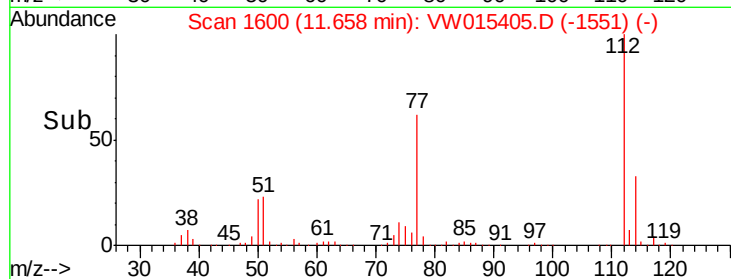
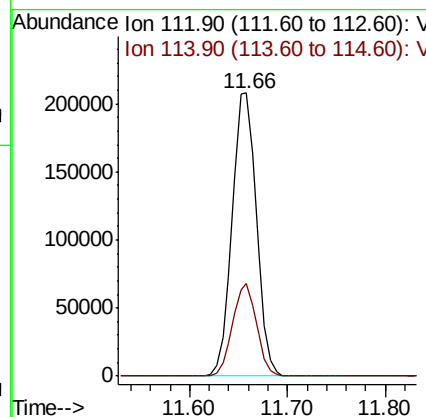
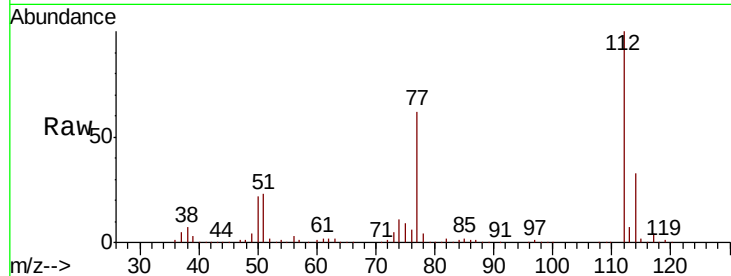




#65
Chlorobenzene
Concen: 51.346 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

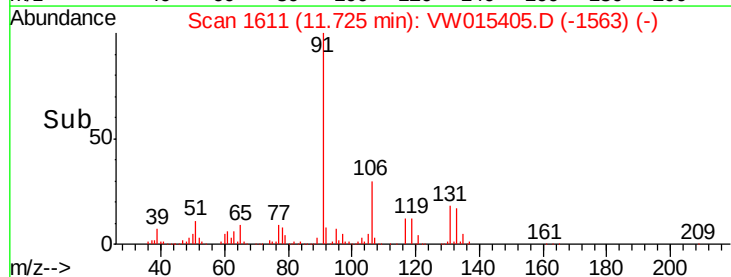
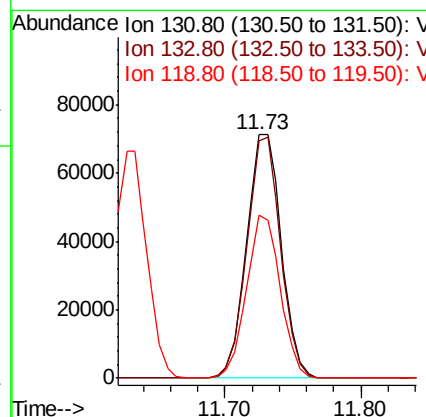
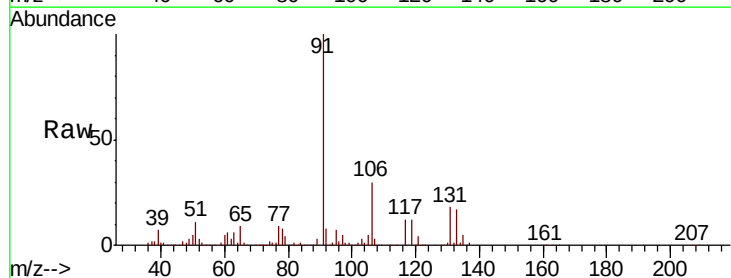
Instrument :
MSVOA_W
ClientSampled :

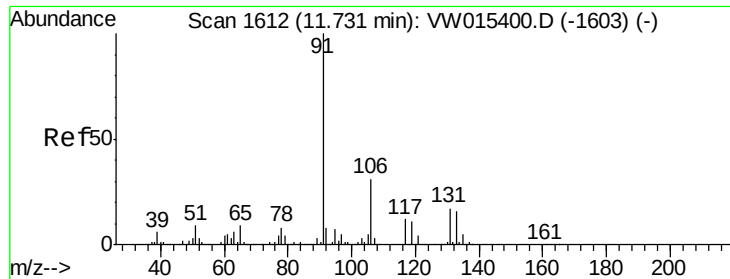
Tot Ion:112 Resp: 358464
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.489 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:131 Resp: 127446
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 64.9 33.0 99.0

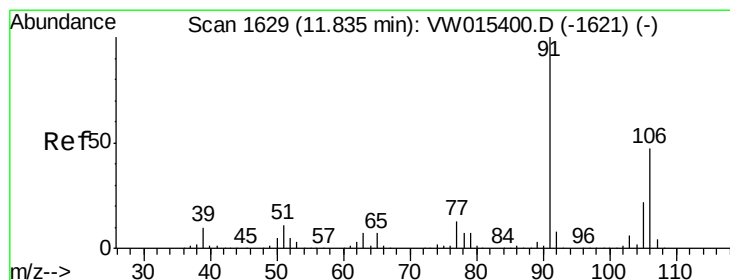
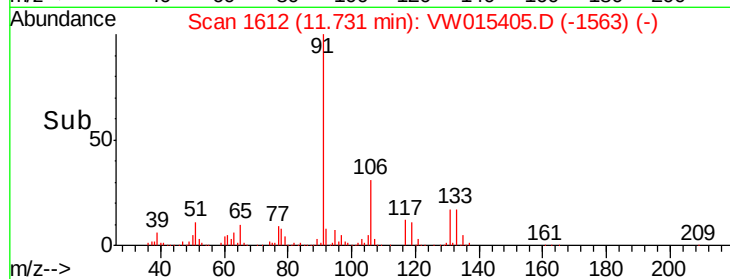
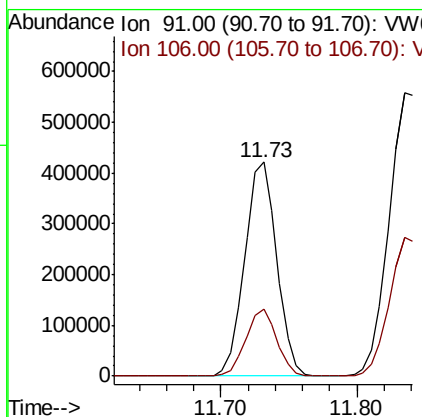
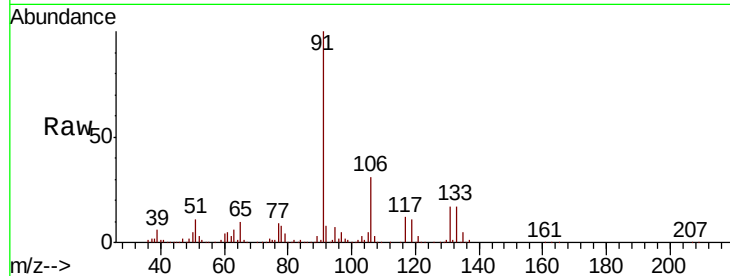




#67
Ethyl Benzene
Concen: 52.018 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

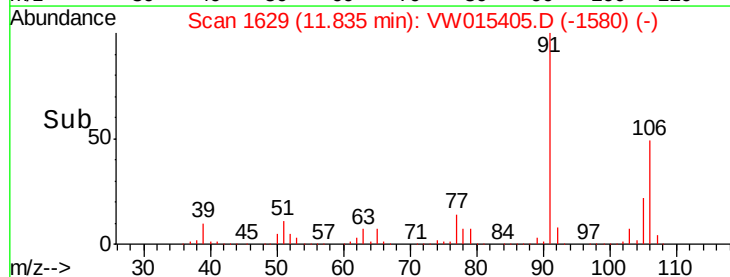
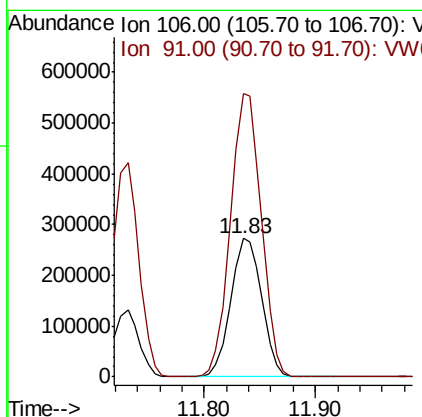
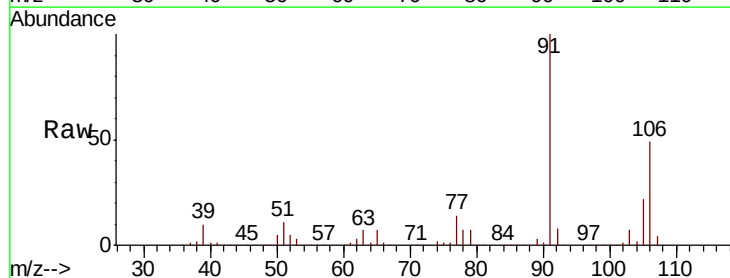
Instrument :
MSVOA_W
ClientSampled :

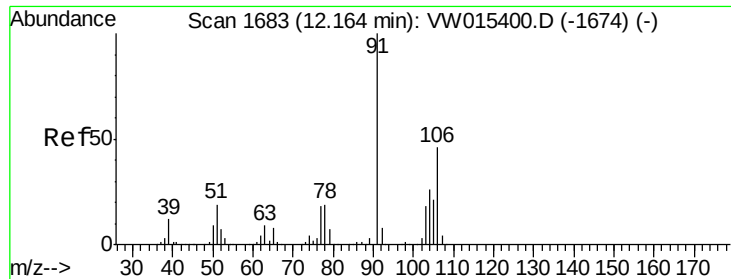
Tot Ion: 91 Resp: 695094
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8



#68
m/p-Xylenes
Concen: 105.014 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:106 Resp: 521721
Ion Ratio Lower Upper
106 100
91 204.9 165.7 248.5

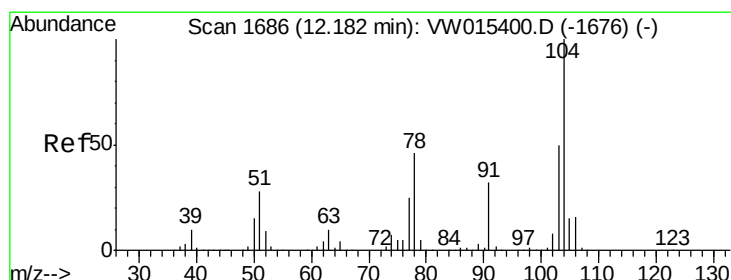
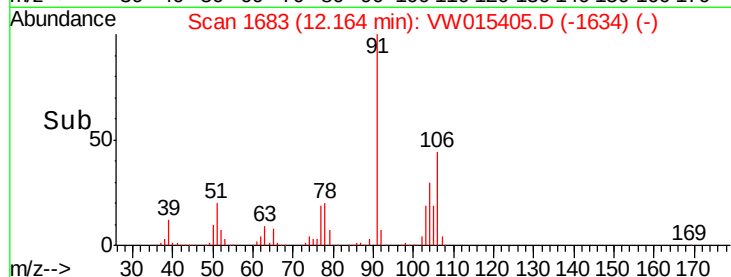
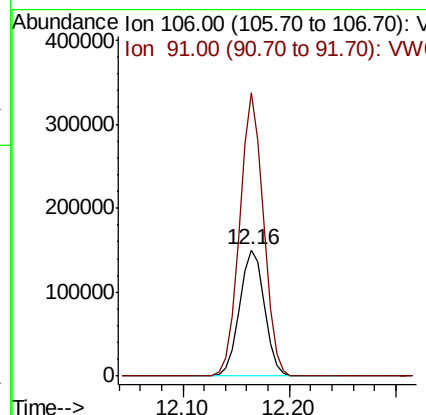
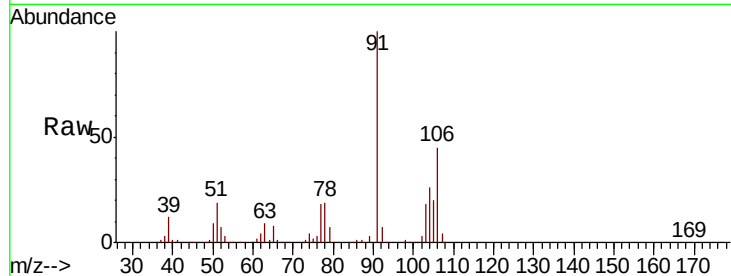




#69
o-Xylene
Concen: 52.576 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

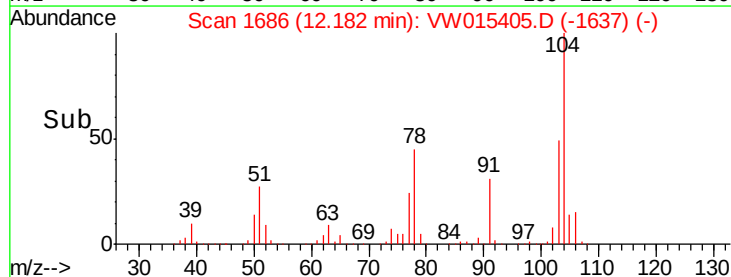
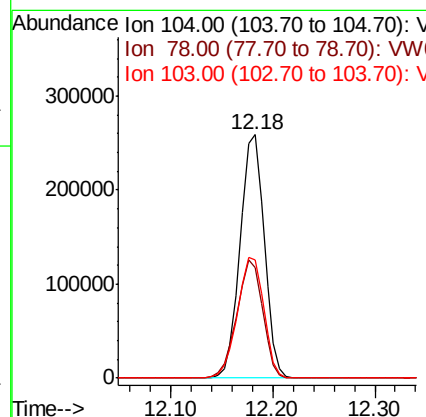
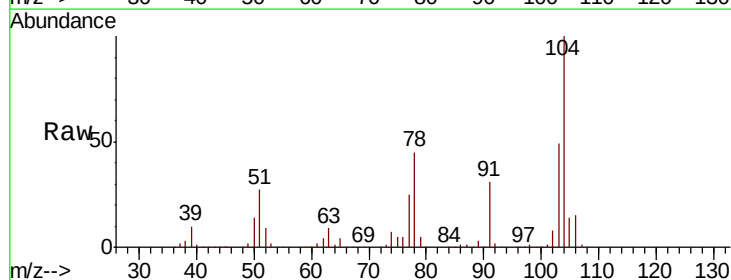
Instrument :
MSVOA_W
ClientSampled :

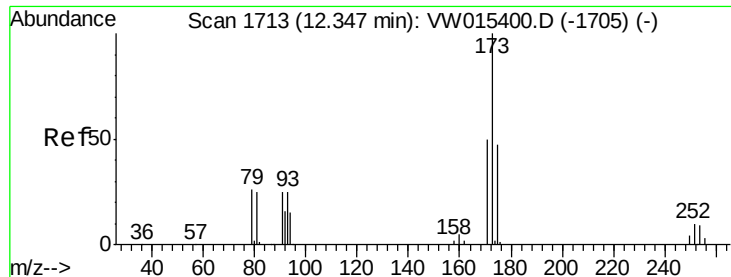
Tot Ion:106 Resp: 245455
Ion Ratio Lower Upper
106 100
91 215.9 109.0 327.0



#70
Styrene
Concen: 52.752 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:104 Resp: 424158
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.8
103 53.9 43.6 65.4





#71

Bromoform

Concen: 50.520 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

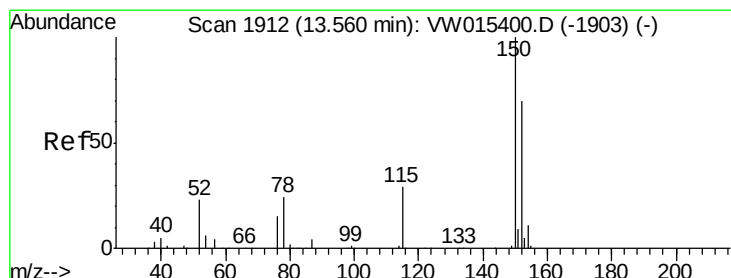
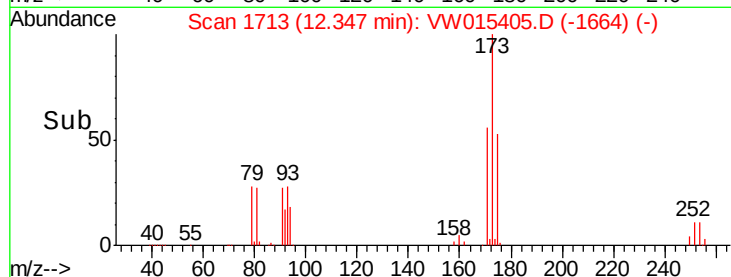
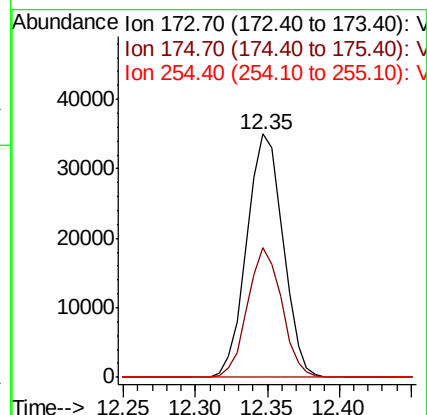
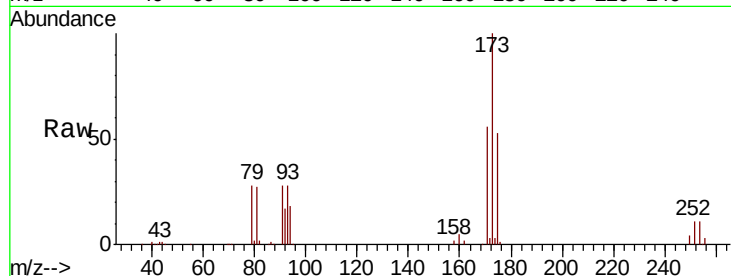
Tot Ion:173 Resp: 60983

Ion Ratio Lower Upper

173 100

175 50.0 23.8 71.4

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

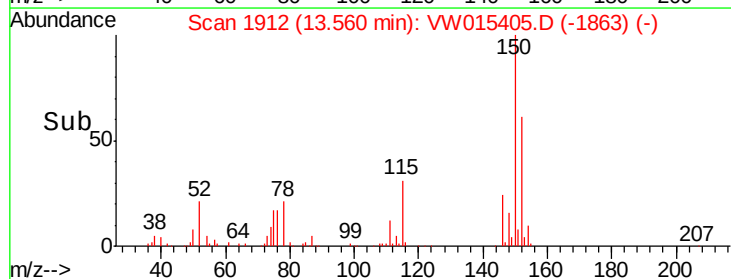
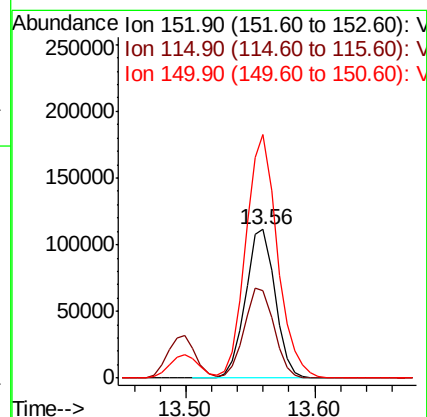
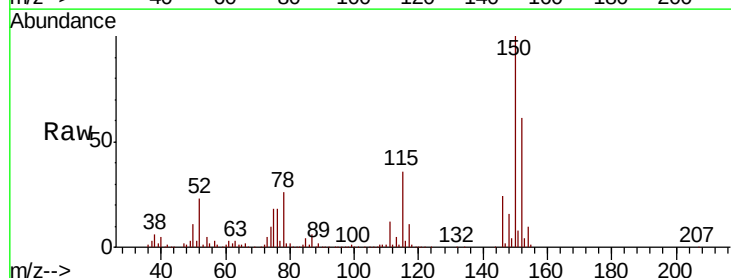
Tgt Ion:152 Resp: 176080

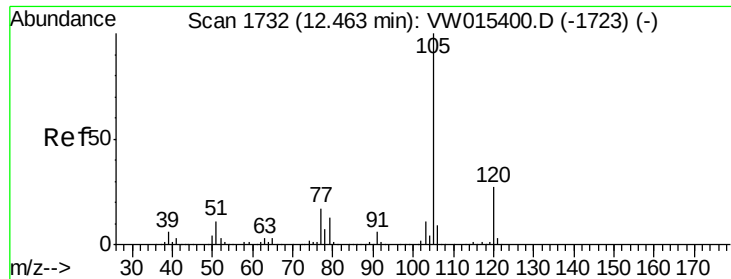
Ion Ratio Lower Upper

152 100

115 60.9 30.3 90.8

150 174.7 0.0 344.4





#73

Isopropylbenzene

Concen: 52.263 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

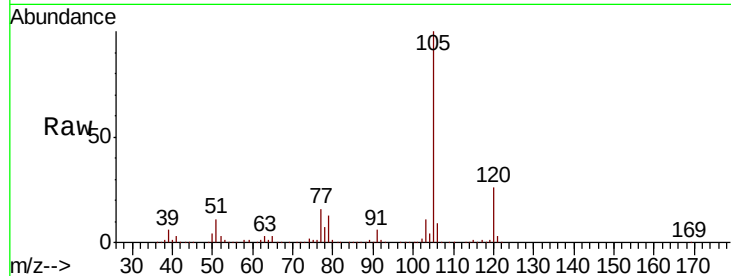
ClientSampleId :

Tot Ion:105 Resp: 687022

Ion Ratio Lower Upper

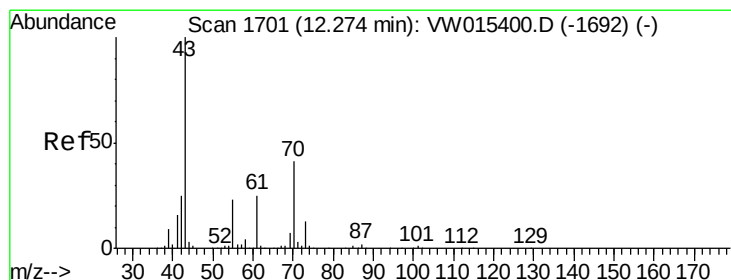
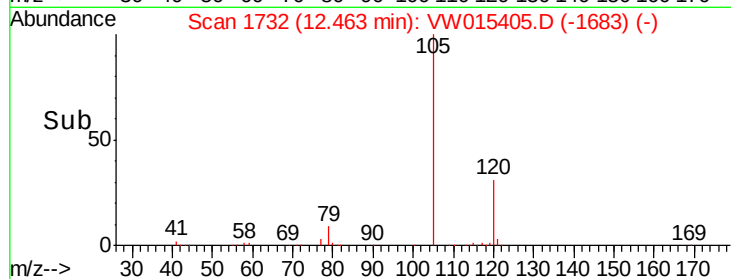
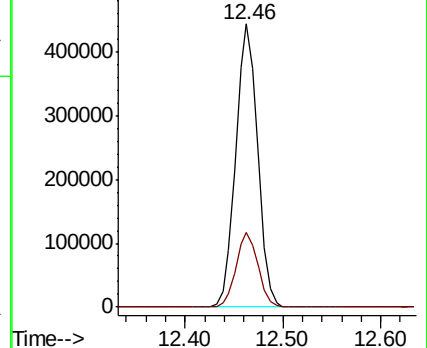
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.964 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Tgt Ion: 43 Resp: 155256

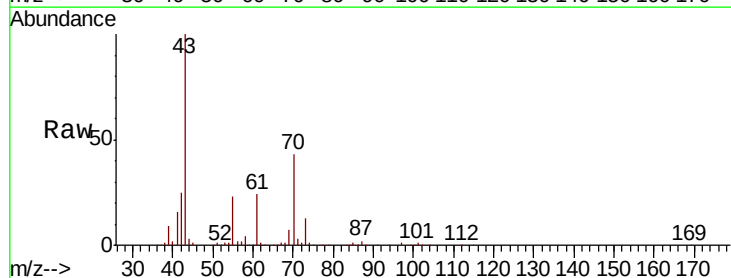
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.0

55 23.3 18.9 28.3

61 23.8 19.4 29.0

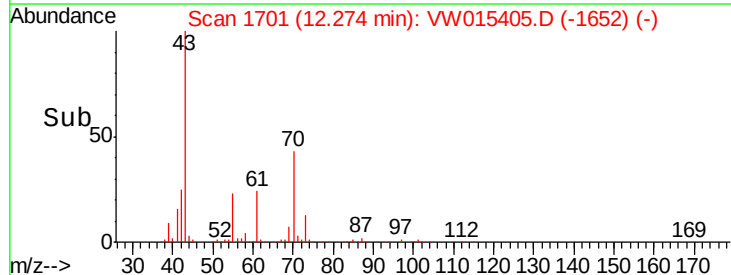
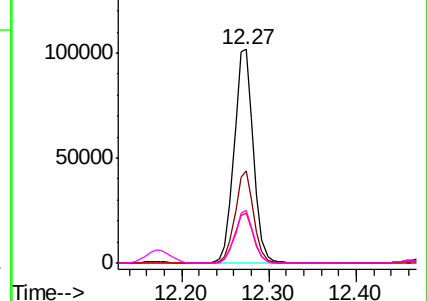


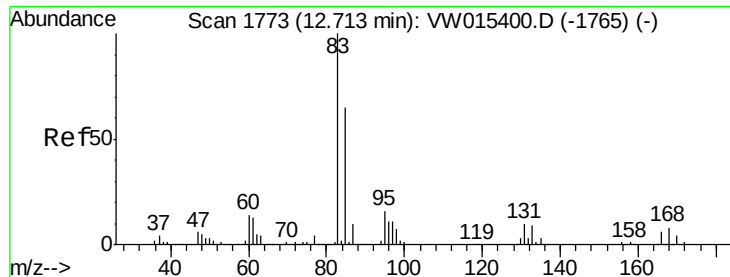
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 50.360 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

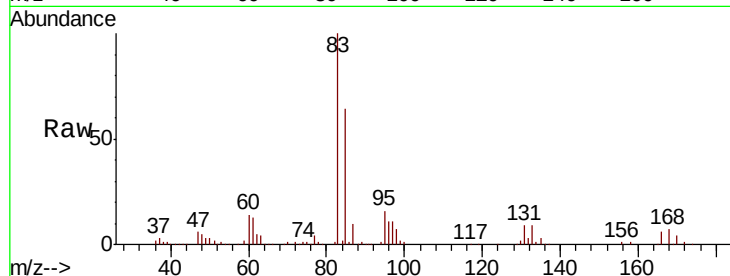
Tot Ion: 83 Resp: 103561

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

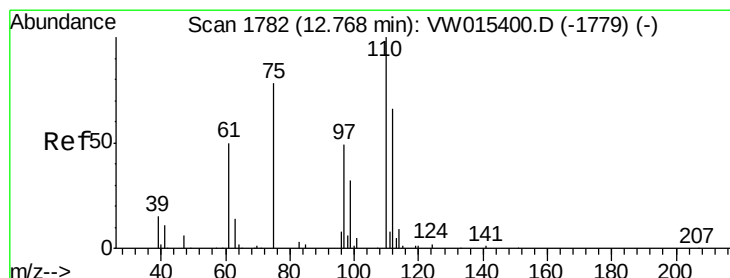
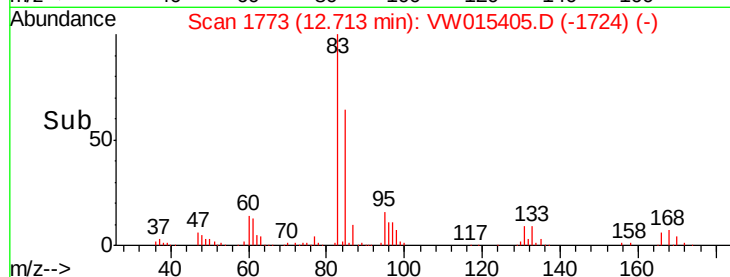
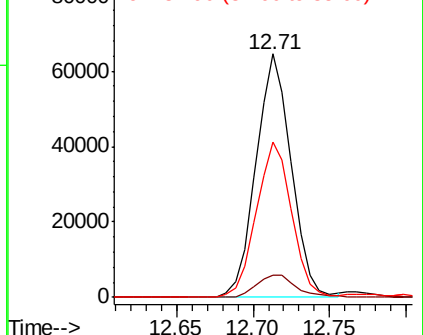
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.139 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015405.D

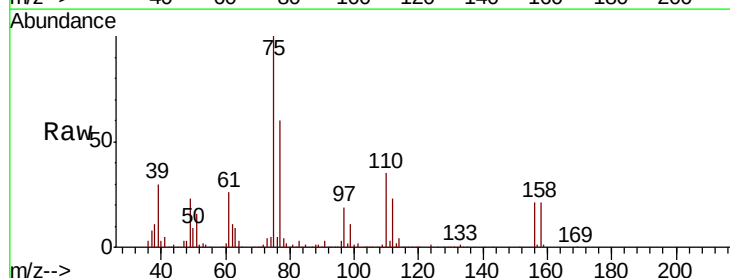
Acq: 06 May 2020 09:45

Tgt Ion: 75 Resp: 143604

Ion Ratio Lower Upper

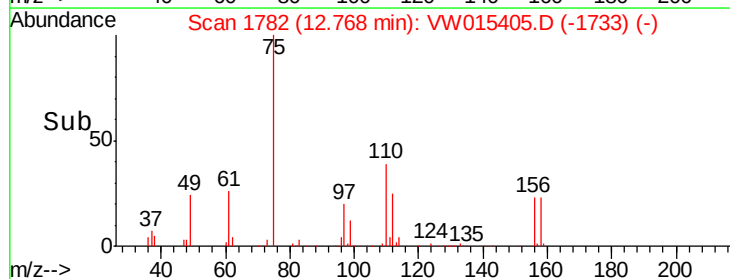
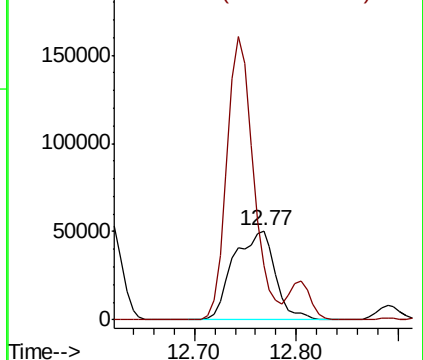
75 100

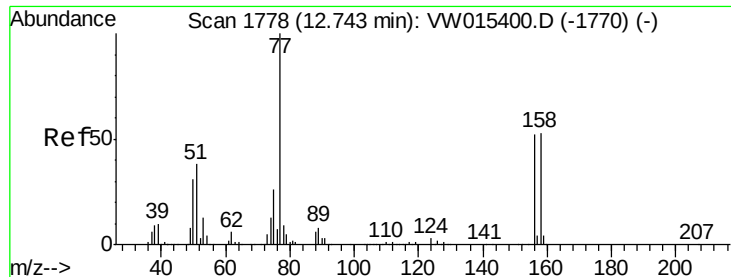
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.389 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

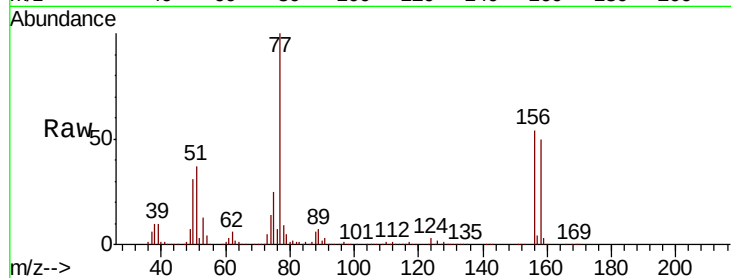
Tot Ion:156 Resp: 140374

Ion Ratio Lower Upper

156 100

77 207.8 101.8 305.6

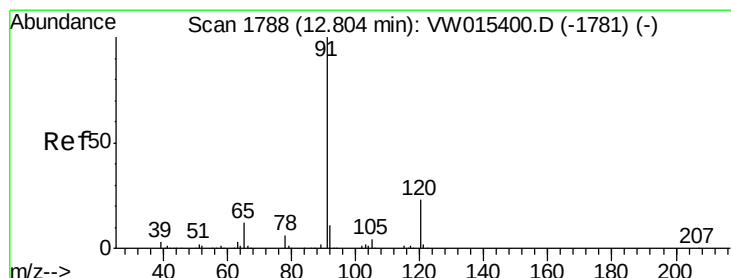
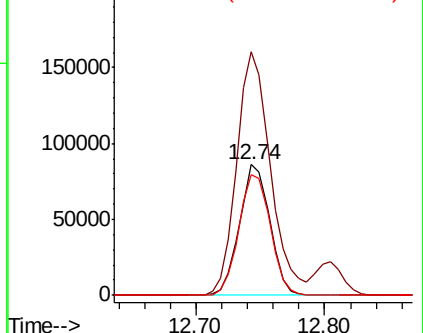
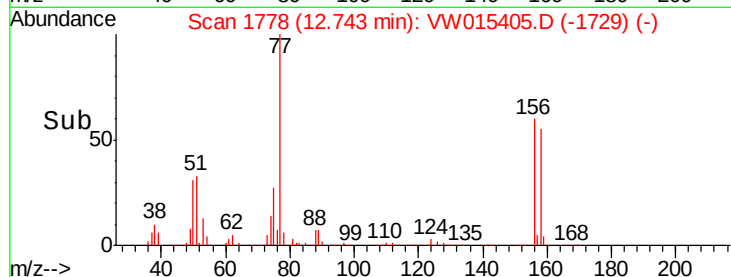
158 95.8 48.3 144.8



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: 52.610 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015405.D

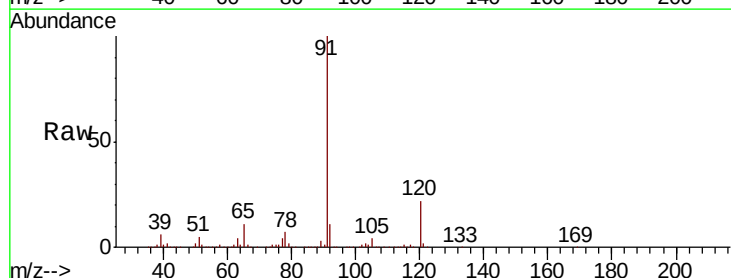
Acq: 06 May 2020 09:45

Tgt Ion: 91 Resp: 829751

Ion Ratio Lower Upper

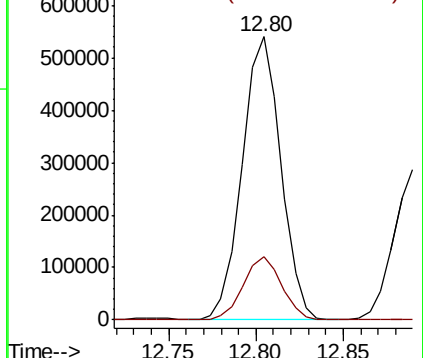
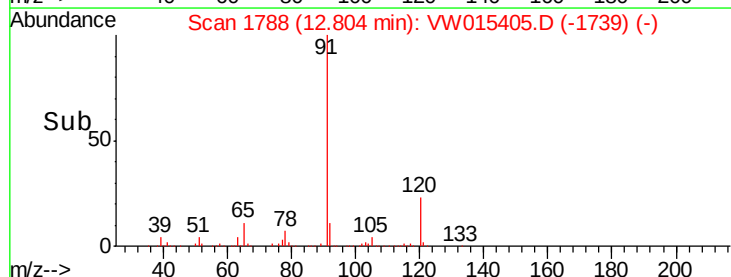
91 100

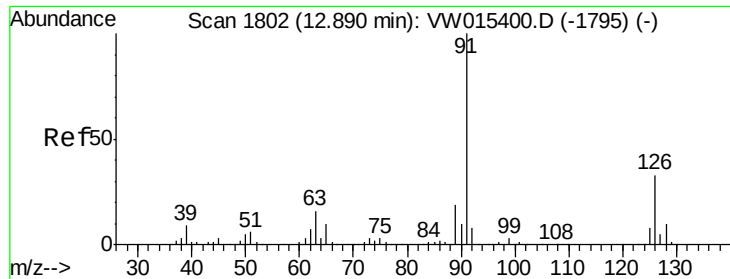
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.113 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

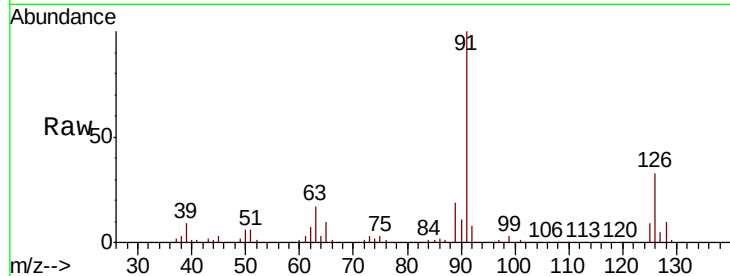
ClientSampleId :

Tot Ion: 91 Resp: 463303

Ion Ratio Lower Upper

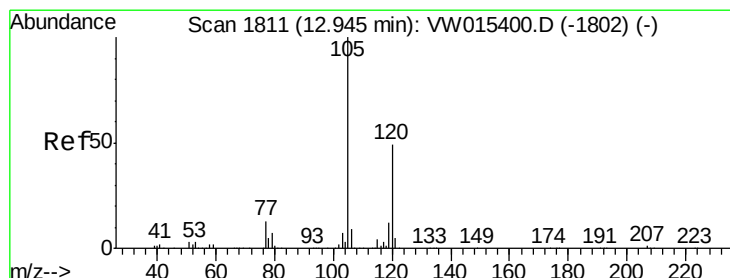
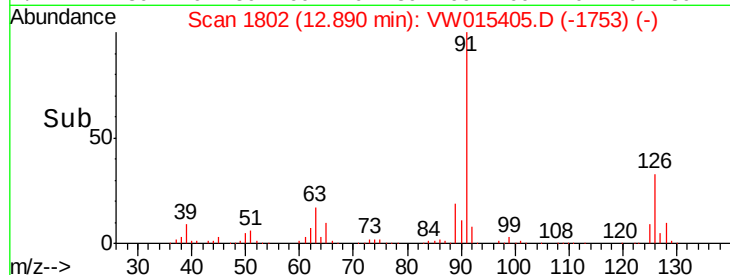
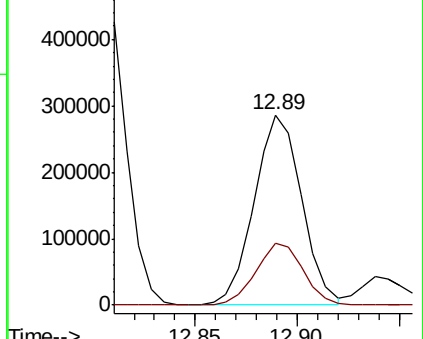
91 100

126 32.4 16.1 48.2



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: 52.534 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015405.D

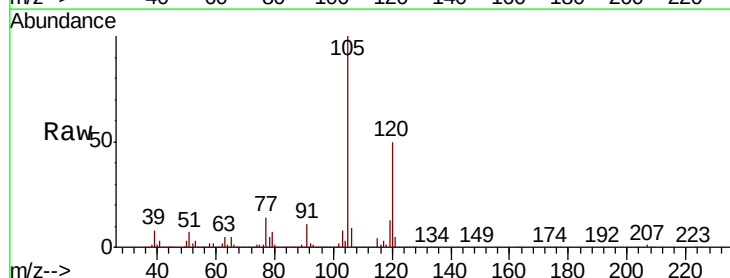
Acq: 06 May 2020 09:45

Tgt Ion:105 Resp: 581697

Ion Ratio Lower Upper

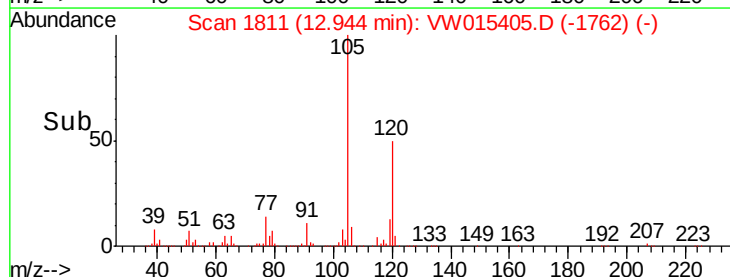
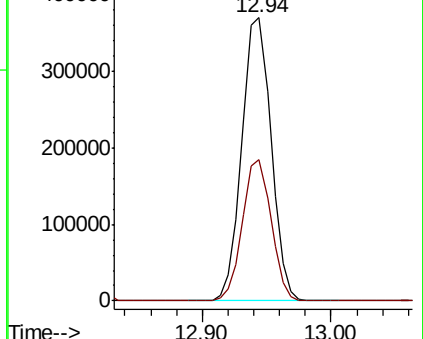
105 100

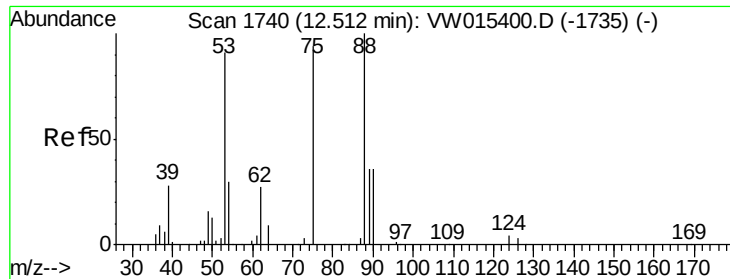
120 49.1 24.2 72.6



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: 52.306 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

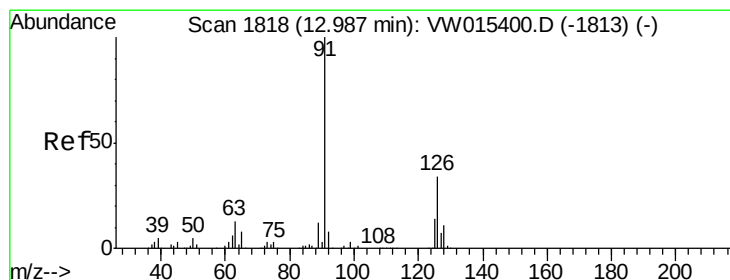
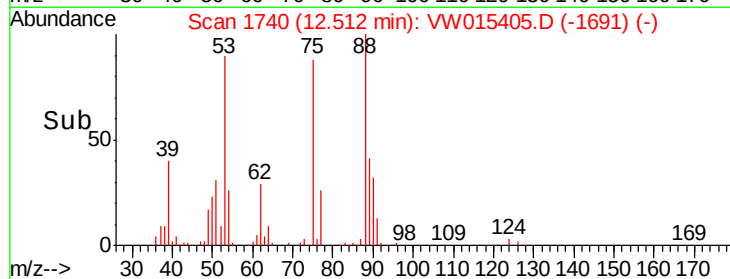
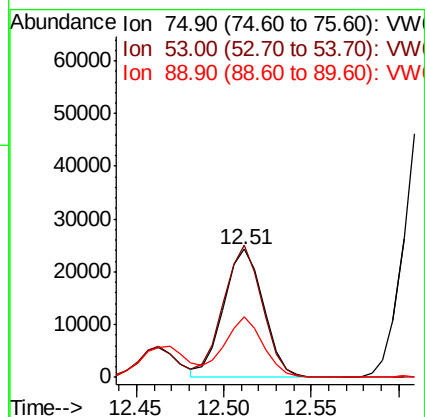
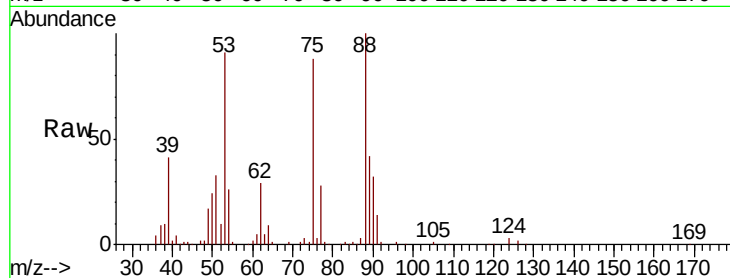
Tot Ion: 75 Resp: 38304

Ion Ratio Lower Upper

75 100

53 102.2 82.5 123.7

89 45.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.448 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015405.D

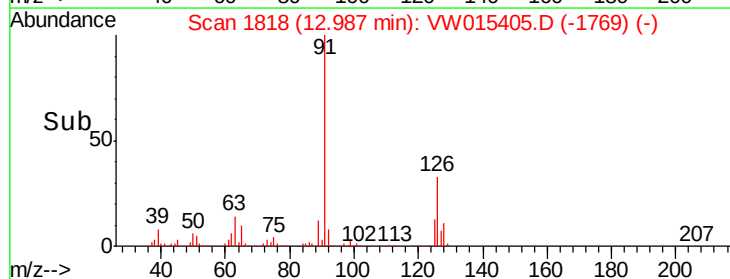
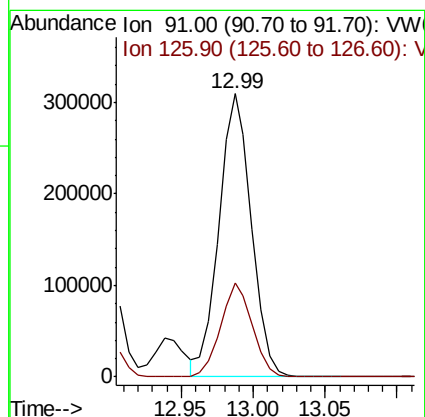
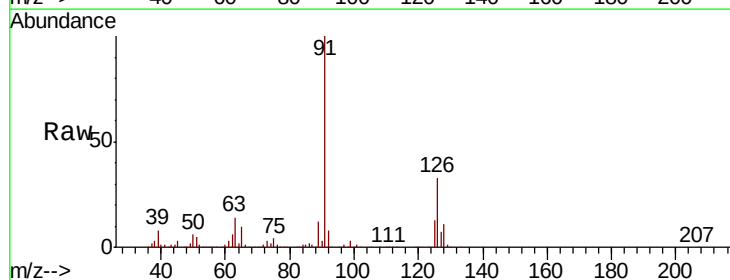
Acq: 06 May 2020 09:45

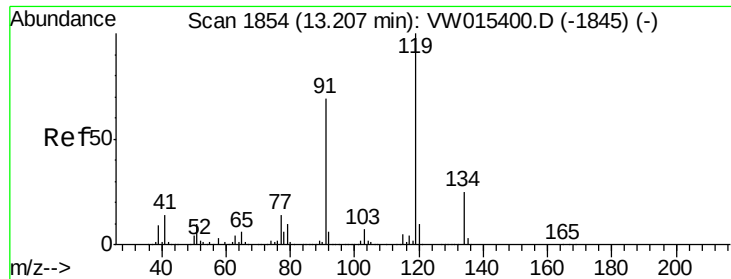
Tgt Ion: 91 Resp: 484734

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9

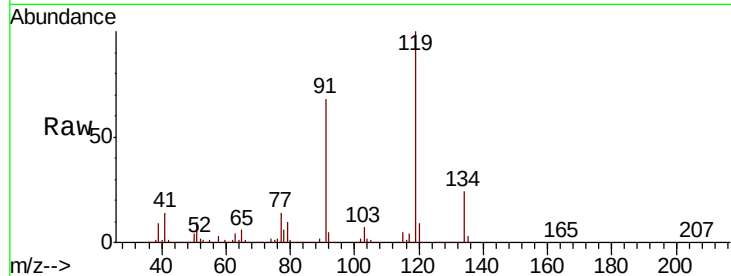




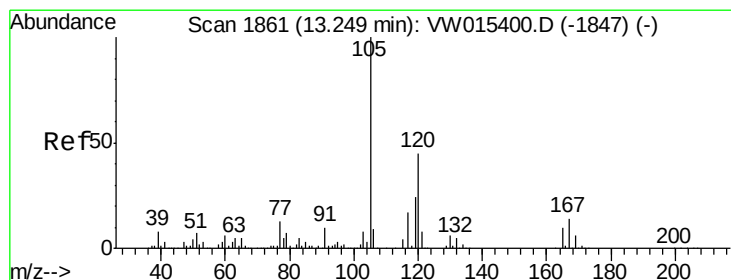
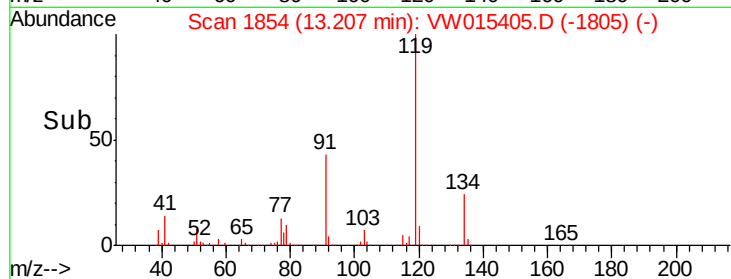
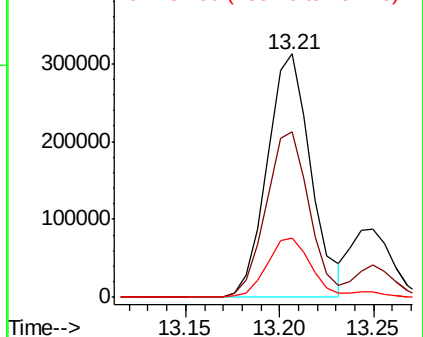
#83
 tert-Butylbenzene
 Concen: 53.133 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:119 Resp: 502013
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.8 101.4
 134 26.2 12.3 36.9

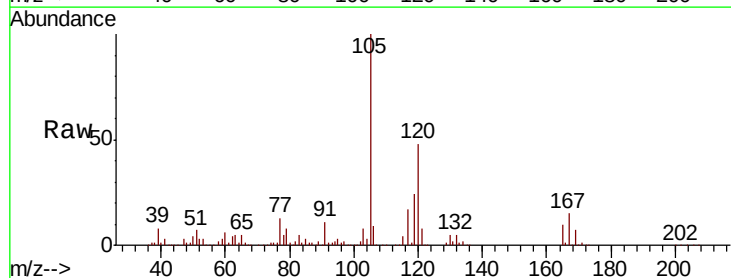


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

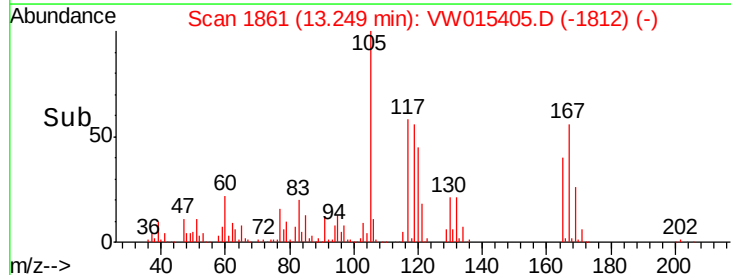
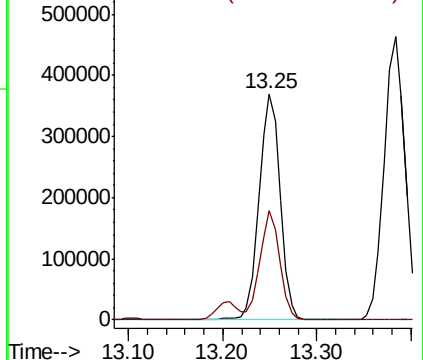


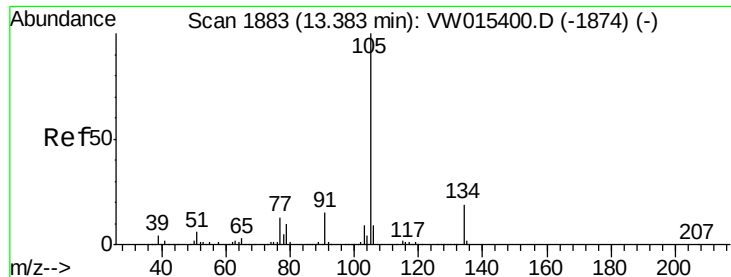
#84
 1,2,4-Trimethylbenzene
 Concen: 52.228 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion:105 Resp: 578538
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0



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





#85

sec-Butylbenzene

Concen: 53.655 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

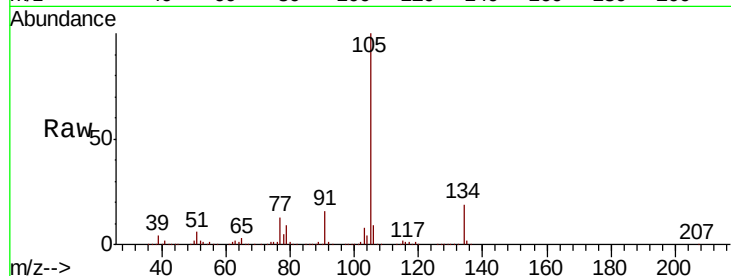
ClientSampleId :

Tot Ion:105 Resp: 714269

Ion Ratio Lower Upper

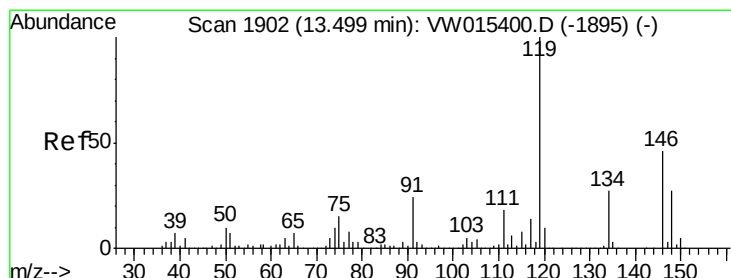
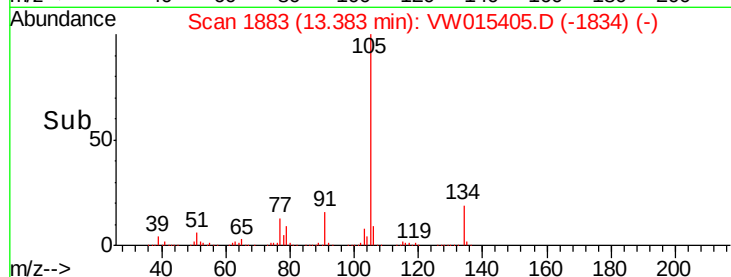
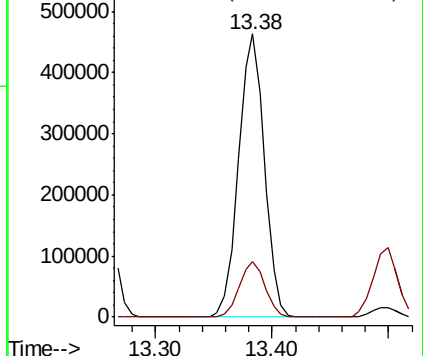
105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.939 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

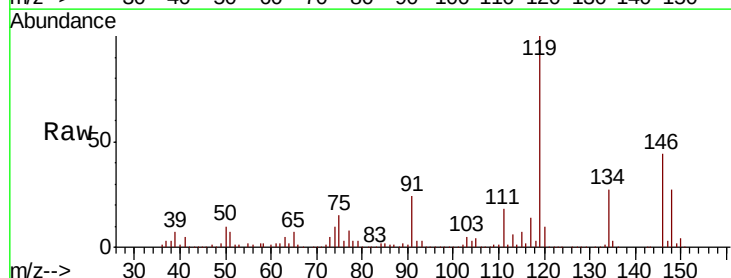
Tgt Ion:119 Resp: 642748

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

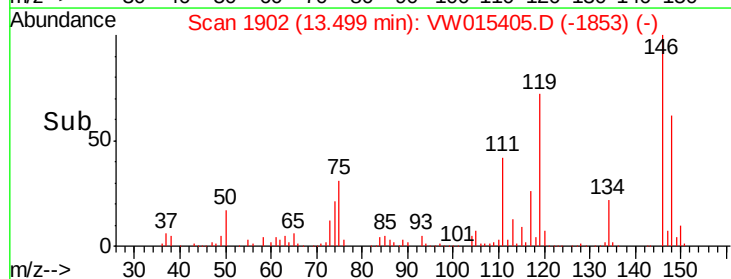
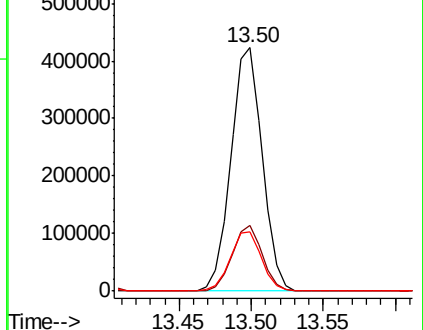
91 24.5 12.1 36.3

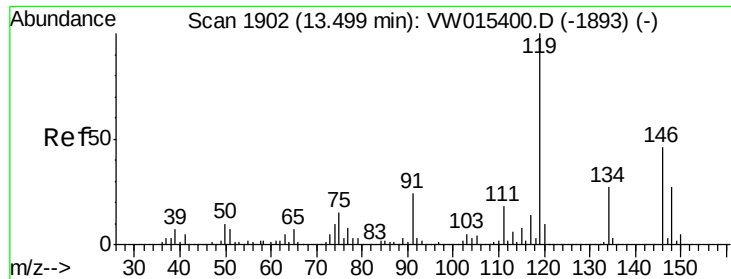


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

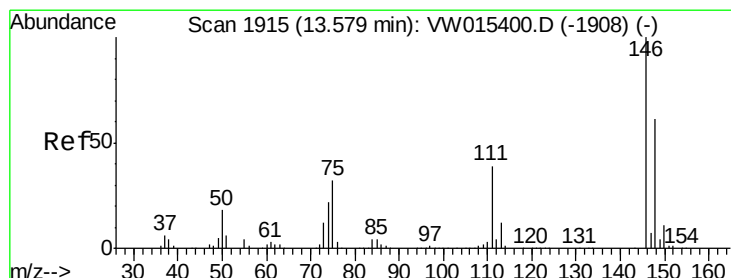
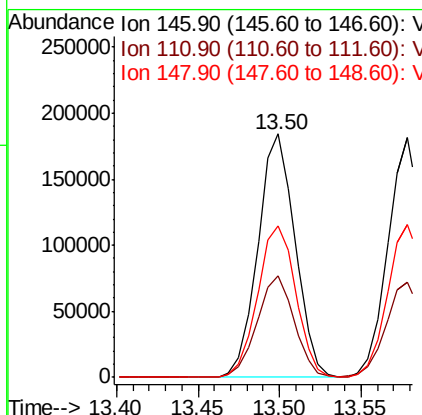
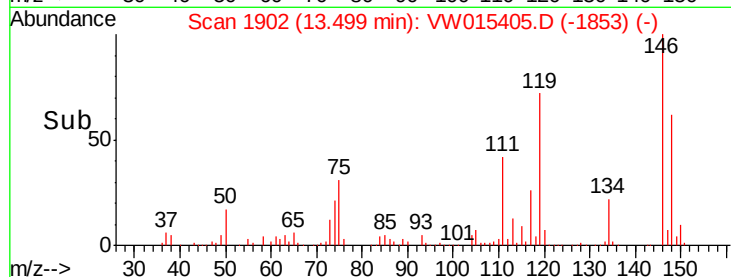
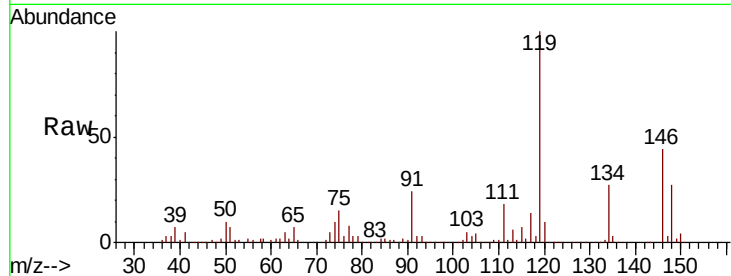




#87
 1,3-Dichlorobenzene
 Concen: 52.381 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

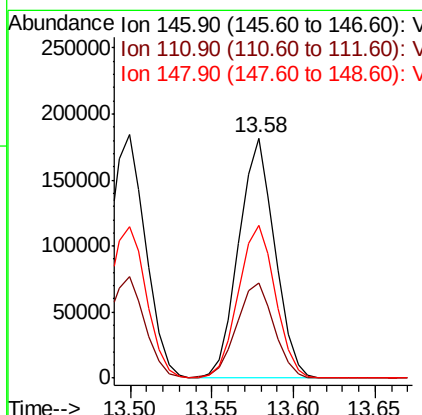
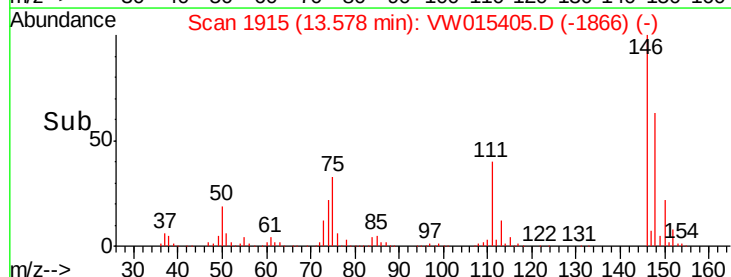
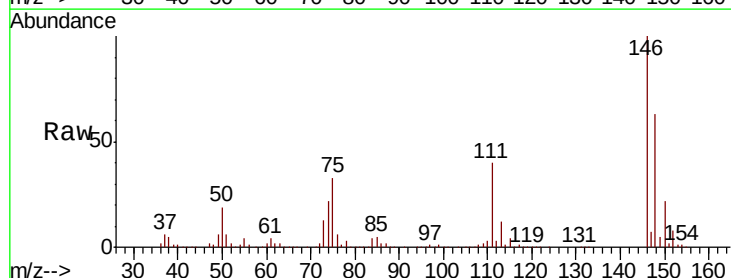
Instrument :
 MSVOA_W
 ClientSampled :

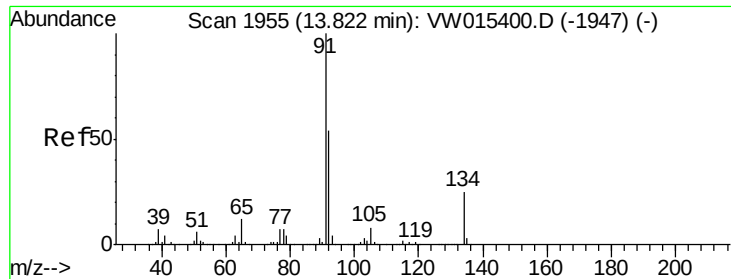
Tot Ion:146 Resp: 290672
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.5
 148 63.9 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 50.956 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion:146 Resp: 280040
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 65.4 31.4 94.3





#89

n-Butylbenzene

Concen: 53.263 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA_W

ClientSampled :

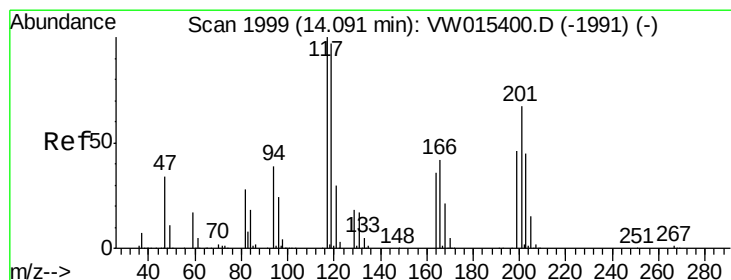
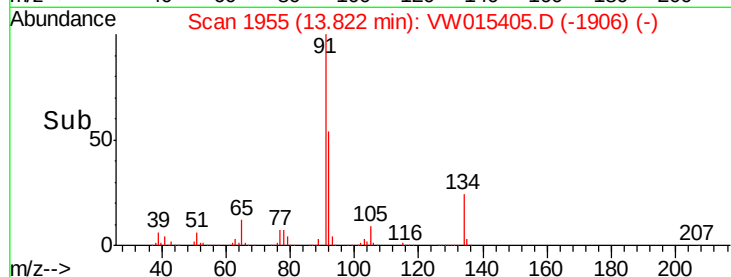
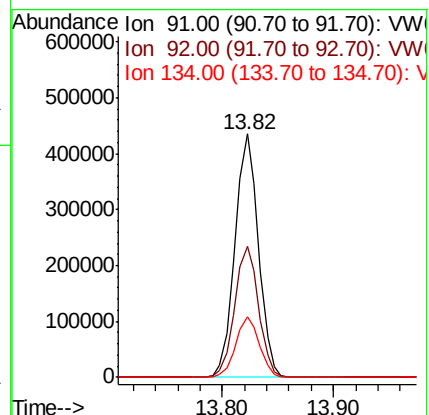
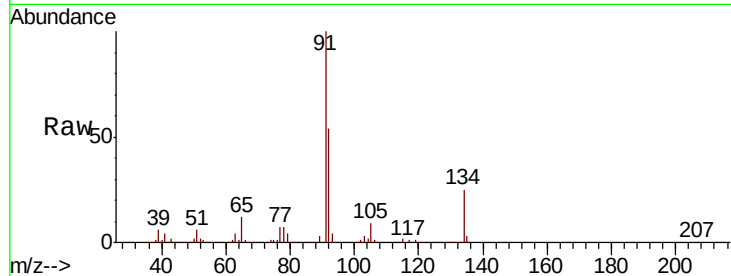
Tot Ion: 91 Resp: 633082

Ion Ratio Lower Upper

91 100

92 54.9 27.2 81.6

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 53.826 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015405.D

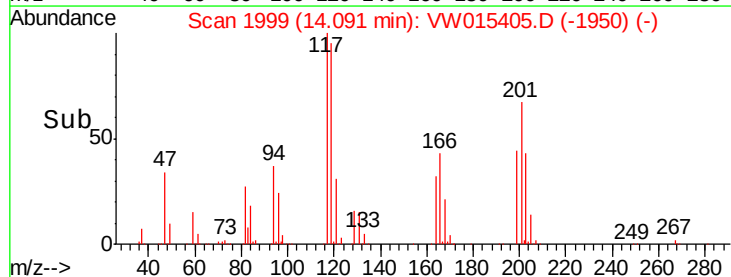
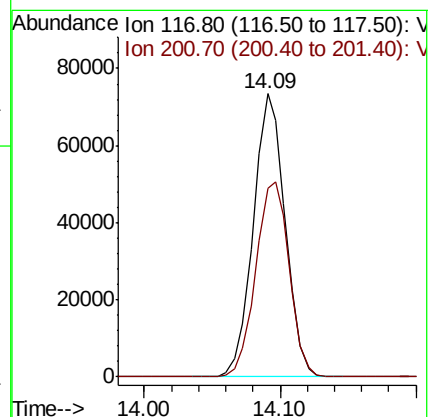
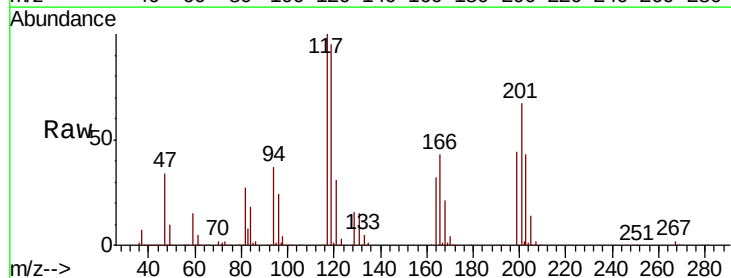
Acq: 06 May 2020 09:45

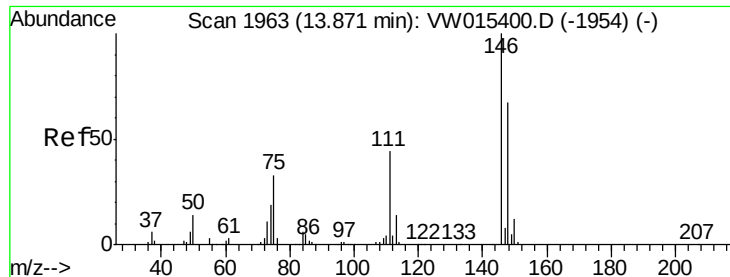
Tgt Ion: 117 Resp: 120429

Ion Ratio Lower Upper

117 100

201 72.4 35.9 107.8

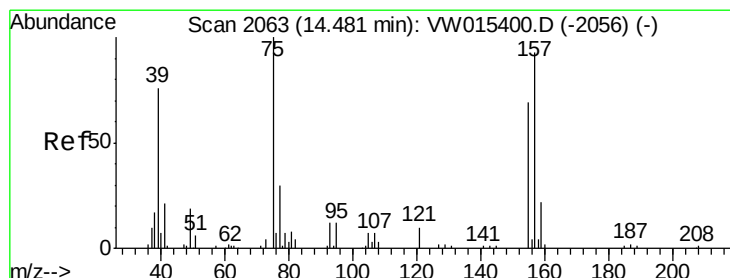
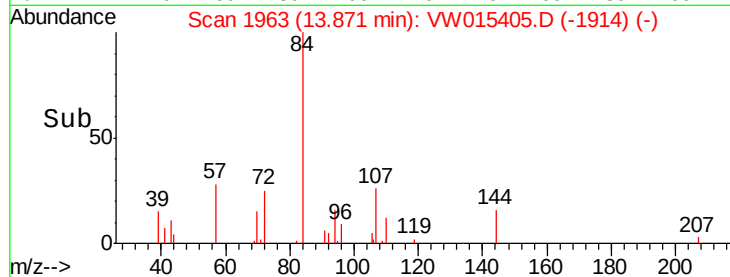
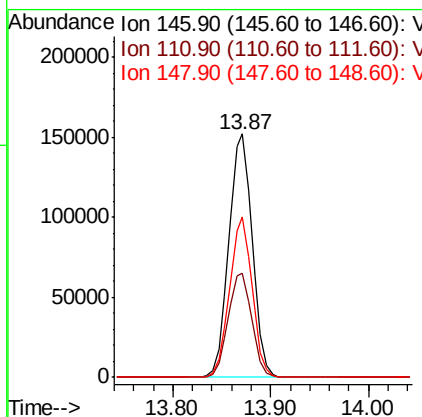
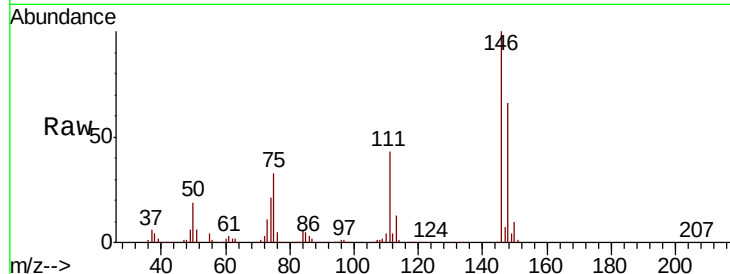




#91
 1,2-Dichlorobenzene
 Concen: 52.426 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

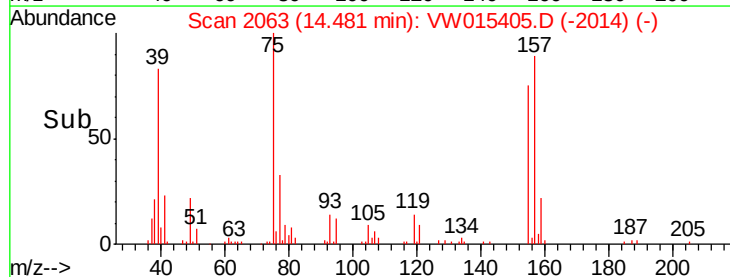
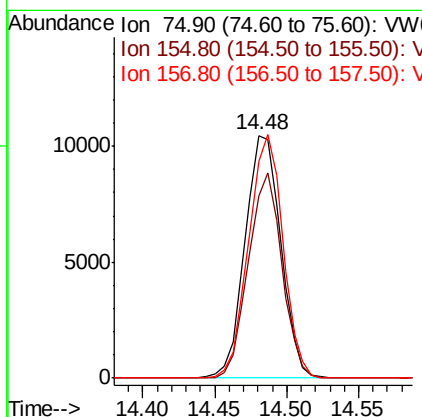
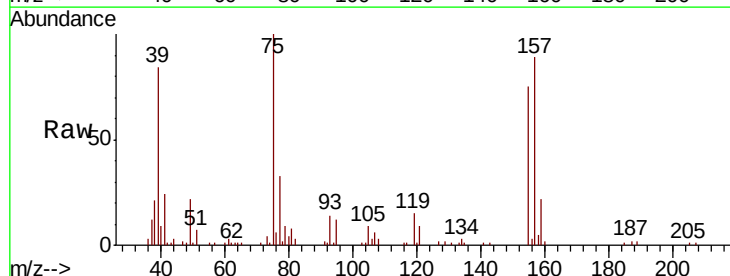
Instrument :
 MSVOA_W
 ClientSampleId :

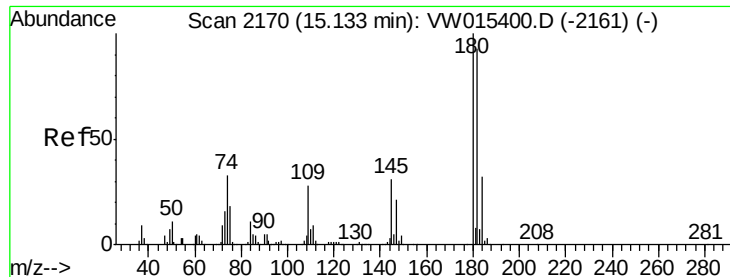
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	63.3	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.088 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.7	116.1
157	95.8	48.1	144.4

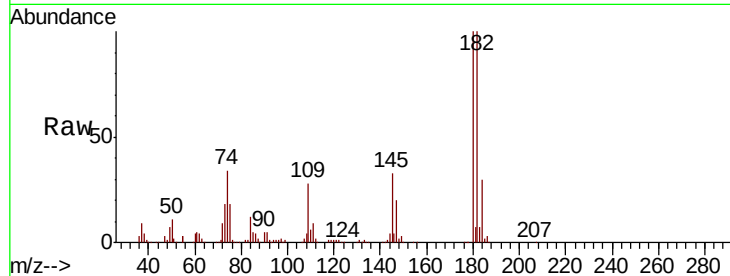




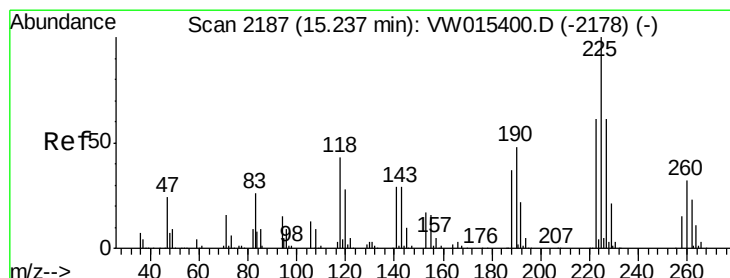
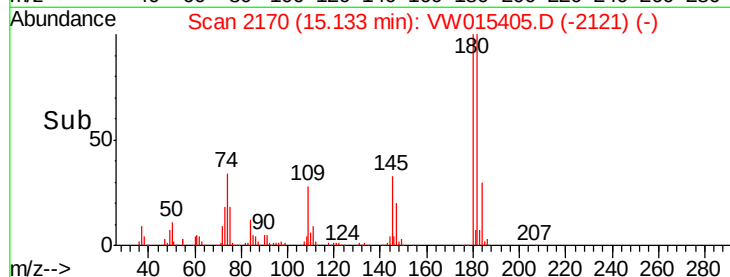
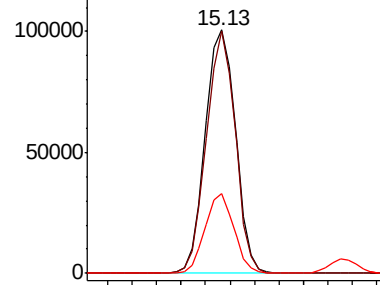
#93
 1,2,4-Trichlorobenzene
 Concen: 53.481 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.2	141.6
145	31.1	15.6	46.8

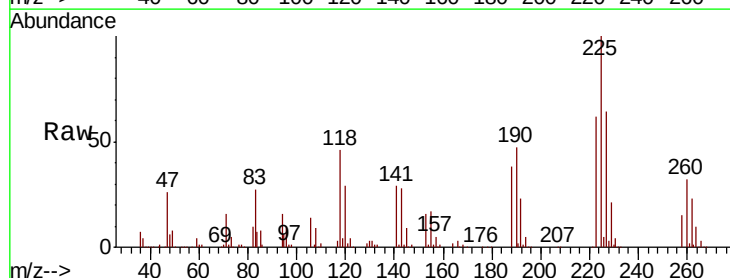


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

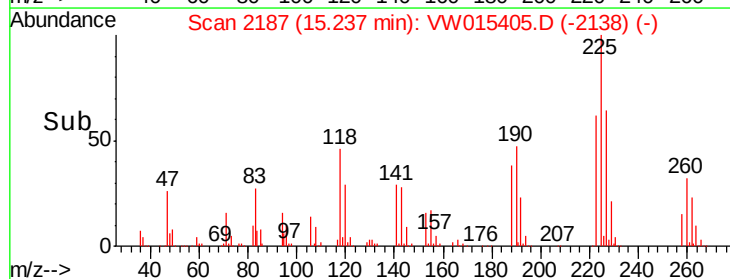
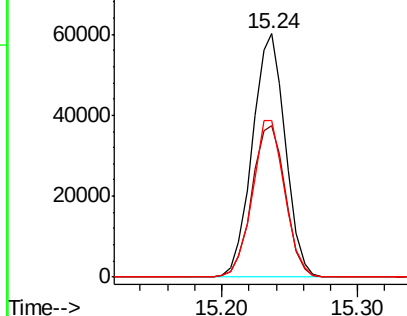


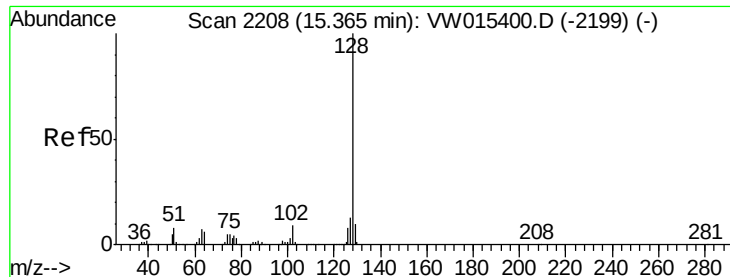
#94
 Hexachlorobutadiene
 Concen: 53.199 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015405.D
 Acq: 06 May 2020 09:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.7	92.1
227	63.6	32.0	96.0



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

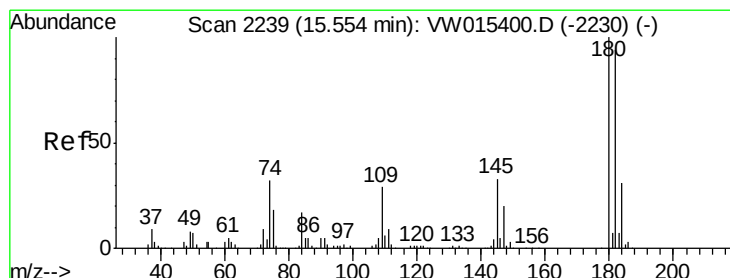
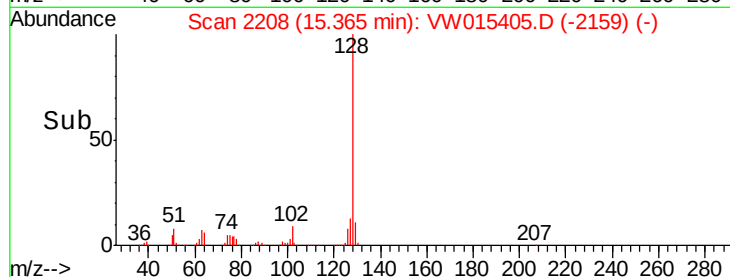
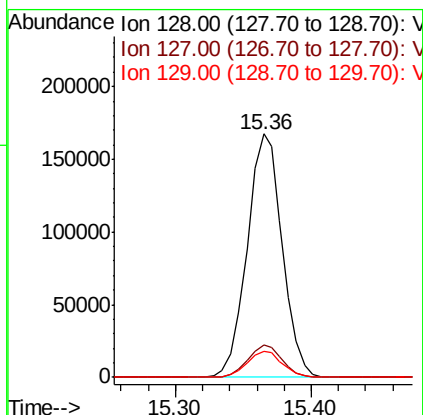
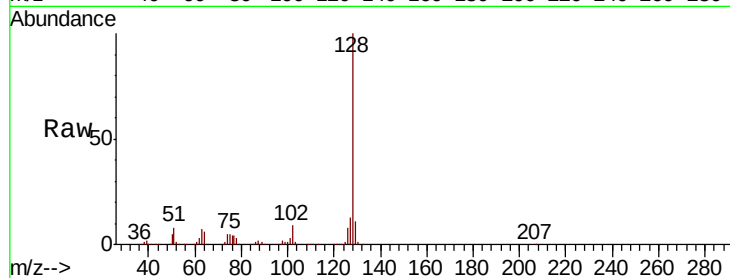




#95
Naphthalene
Concen: 52.095 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 301338
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.095 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015405.D
Acq: 06 May 2020 09:45

Tgt Ion:180 Resp: 147320
Ion Ratio Lower Upper
180 100
182 92.9 47.6 142.8
145 32.6 16.3 48.8

