

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014575.D
 Acq On : 09 Jan 2020 12:06
 Operator : SY/VA
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 12:49:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	763261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1120661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	965531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	486019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	312548	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
35) Dibromofluoromethane	7.88	113	317313	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
50) Toluene-d8	10.32	98	1312859	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.62	95	449027	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	74027	17.178	ug/l	98
3) Chloromethane	2.21	50	102038	19.344	ug/l	99
4) Vinyl Chloride	2.36	62	151925	19.582	ug/l	98
5) Bromomethane	2.76	94	90598	18.903	ug/l	99
6) Chloroethane	2.92	64	83946	18.981	ug/l	98
7) Trichlorofluoromethane	3.25	101	70994	18.289	ug/l	94
8) Diethyl Ether	3.68	74	66933	17.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136255	18.786	ug/l	99
10) Methyl Iodide	4.26	142	199489	18.229	ug/l	99
11) Tert butyl alcohol	5.16	59	46096	73.387	ug/l	97
12) 1,1-Dichloroethene	4.04	96	138348	18.214	ug/l	97
13) Acrolein	3.89	56	56153	96.408	ug/l	99
14) Allyl chloride	4.66	41	208461	17.960	ug/l	99
15) Acrylonitrile	5.36	53	154767	87.663	ug/l	99
16) Acetone	4.11	43	156490	83.049	ug/l	97
17) Carbon Disulfide	4.38	76	406483	17.756	ug/l	98
18) Methyl Acetate	4.67	43	82225	18.068	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	177081	18.781	ug/l	98
20) Methylene Chloride	4.91	84	156508	17.608	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	143589	17.804	ug/l	98
22) Diisopropyl ether	6.31	45	394949	18.179	ug/l	99
23) Vinyl Acetate	6.25	43	1130694	86.186	ug/l	99
24) 1,1-Dichloroethane	6.21	63	247133	18.033	ug/l	98
25) 2-Butanone	7.17	43	206839	85.534	ug/l	99
26) 2,2-Dichloropropane	7.17	77	141858	18.697	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	152015	17.938	ug/l	99
28) Bromochloromethane	7.51	49	94147	17.523	ug/l	97
29) Tetrahydrofuran	7.52	42	128482	85.764	ug/l	99
30) Chloroform	7.67	83	231222	18.042	ug/l	100
31) Cyclohexane	7.95	56	252095	17.701	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	188372	18.276	ug/l	100
36) 1,1-Dichloropropene	8.08	75	204214	18.902	ug/l	99
37) Ethyl Acetate	7.25	43	86949	17.745	ug/l	98
38) Carbon Tetrachloride	8.07	117	174385	18.605	ug/l	98

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Quant Time: Jan 09 12:49:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	254474	18.354	ug/l	99
40) Benzene	8.32	78	572901	18.742	ug/l	100
41) Methacrylonitrile	7.48	41	44990	16.472	ug/l	95
42) 1,2-Dichloroethane	8.40	62	143874	18.137	ug/l	99
43) Isopropyl Acetate	8.42	43	154736	17.391	ug/l	99
44) Trichloroethene	9.09	130	153273	18.531	ug/l	95
45) 1,2-Dichloropropane	9.37	63	138678	18.488	ug/l	100
46) Dibromomethane	9.45	93	67462	18.218	ug/l	97
47) Bromodichloromethane	9.64	83	166182	18.177	ug/l	93
48) Methyl methacrylate	9.43	41	71934	16.559	ug/l	95
49) 1,4-Dioxane	9.44	88	23419	338.138	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	416399	90.120	ug/l	99
52) Toluene	10.38	92	361474	18.797	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	171381	18.105	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213616	18.465	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	99916	18.475	ug/l	98
56) Ethyl methacrylate	10.64	69	127790	18.182	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175472	18.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	197715	92.495	ug/l	100
59) 2-Hexanone	10.96	43	293583	92.208	ug/l	98
60) Dibromochloromethane	11.13	129	109951	18.019	ug/l	97
61) 1,2-Dibromoethane	11.23	107	93185	18.152	ug/l	100
64) Tetrachloroethene	10.86	164	135389	19.369	ug/l	98
65) Chlorobenzene	11.65	112	371639	18.788	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	122149	18.340	ug/l	99
67) Ethyl Benzene	11.73	91	664013	18.627	ug/l	98
68) m/p-Xylenes	11.83	106	512227	37.544	ug/l	100
69) o-Xylene	12.16	106	238154	18.897	ug/l	98
70) Styrene	12.18	104	403591	18.934	ug/l	99
71) Bromoform	12.35	173	65946	18.153	ug/l #	99
73) Isopropylbenzene	12.46	105	653479	18.324	ug/l	100
74) N-amyl acetate	12.27	43	142824	17.862	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115620	17.962	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	145519	31.667	ug/l #	100
77) Bromobenzene	12.74	156	155471	18.771	ug/l	96
78) n-propylbenzene	12.80	91	779969	18.600	ug/l	99
79) 2-Chlorotoluene	12.89	91	436253	18.281	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	553034	18.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35479	17.202	ug/l	97
82) 4-Chlorotoluene	12.99	91	456528	18.413	ug/l	100
83) tert-Butylbenzene	13.21	119	484449	18.479	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	549891	18.454	ug/l	99
85) sec-Butylbenzene	13.38	105	671410	18.503	ug/l	99
86) p-Isopropyltoluene	13.49	119	619788	18.739	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	294130	18.262	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	292183	18.375	ug/l	98
89) n-Butylbenzene	13.82	91	565539	18.413	ug/l	100
90) Hexachloroethane	14.09	117	102361	17.715	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	263211	18.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18379	18.031	ug/l	97

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Quant Time: Jan 09 12:49:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185187	19.372	ug/l	98
94) Hexachlorobutadiene	15.23	225	123768	19.320	ug/l	97
95) Naphthalene	15.36	128	294484	18.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	157450	18.895	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

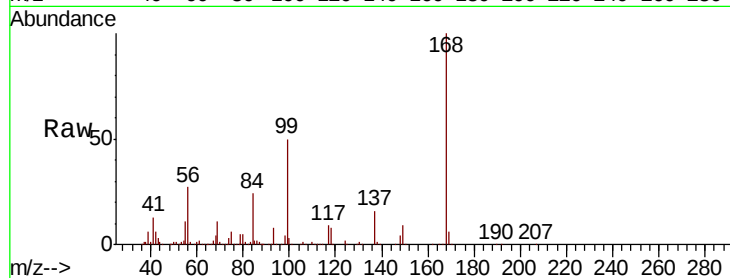
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 763261

Ion Ratio Lower Upper

168 100

99 49.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

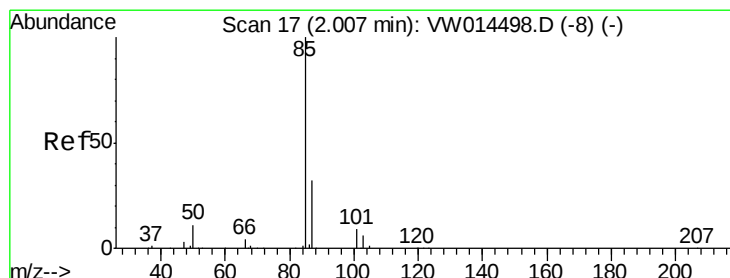
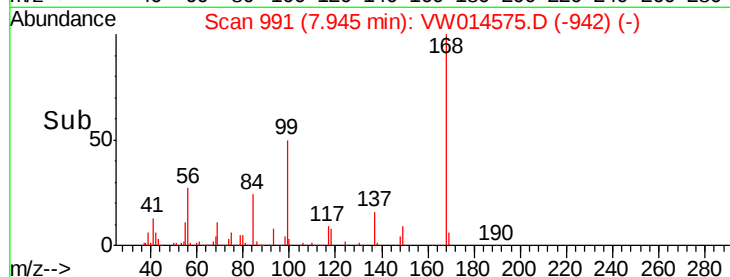
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.178 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014575.D

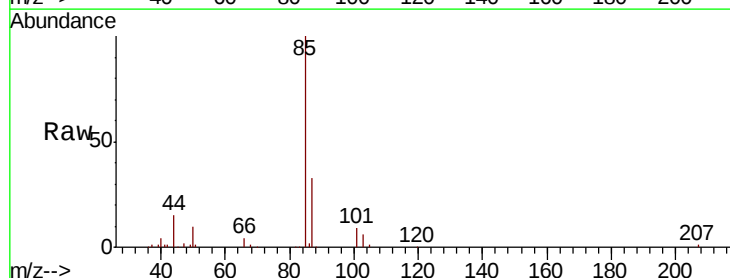
Acq: 09 Jan 2020 12:06

Tgt Ion: 85 Resp: 74027

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

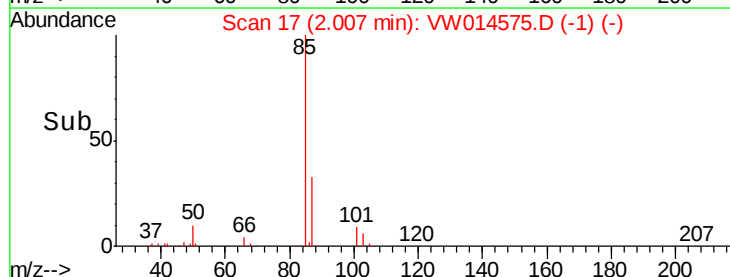
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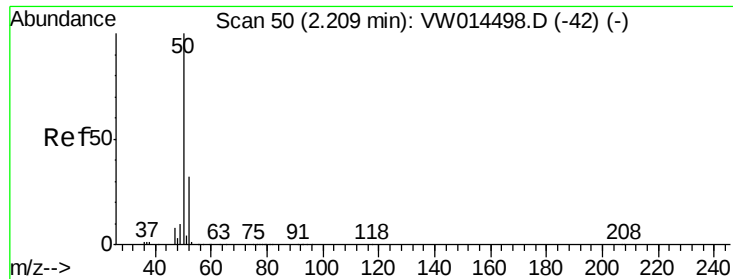
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.344 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

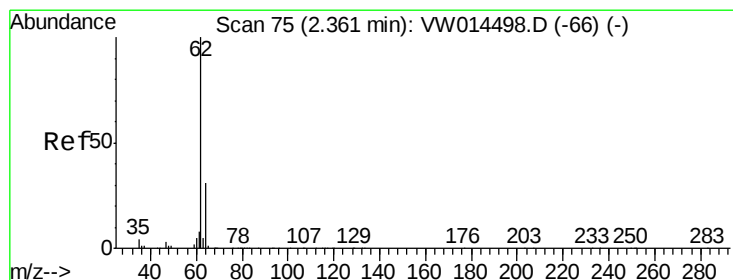
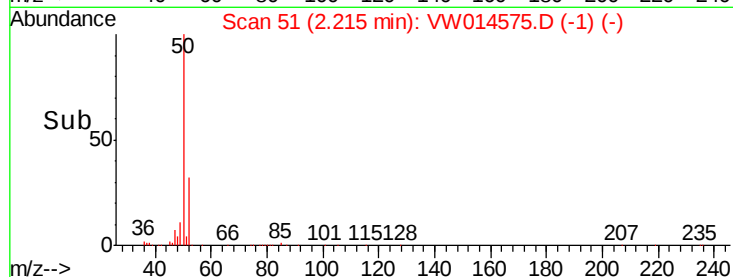
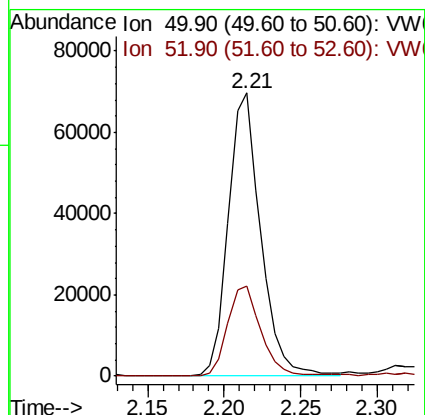
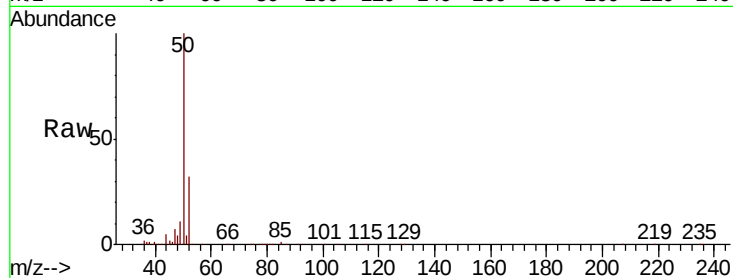
ClientSampleId :

Tot Ion: 50 Resp: 102038

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8



#4

Vinyl Chloride

Concen: 19.582 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014575.D

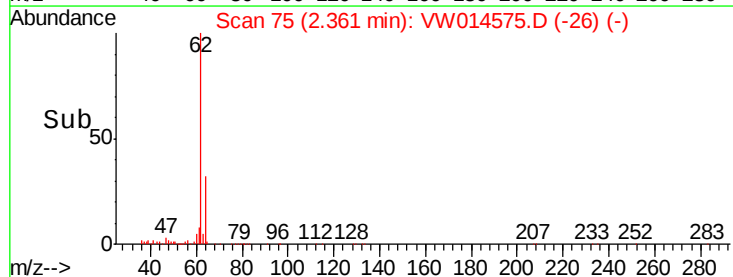
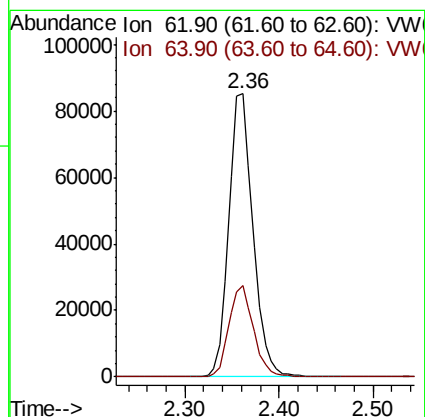
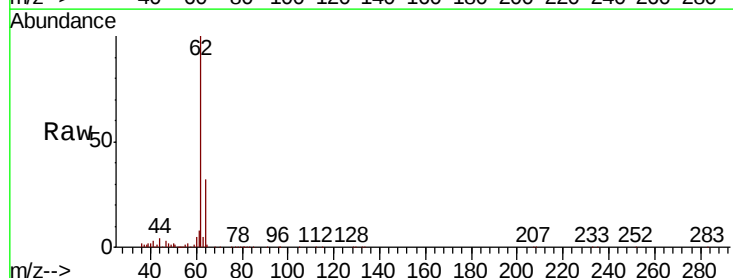
Acq: 09 Jan 2020 12:06

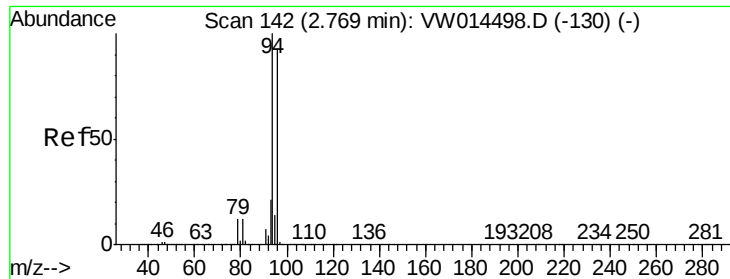
Tgt Ion: 62 Resp: 151925

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 18.903 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

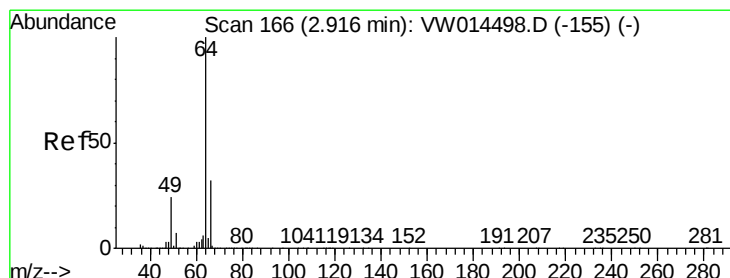
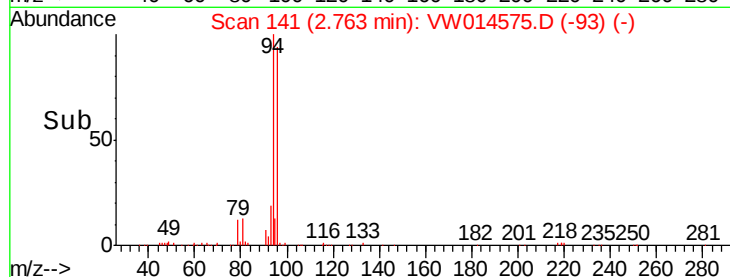
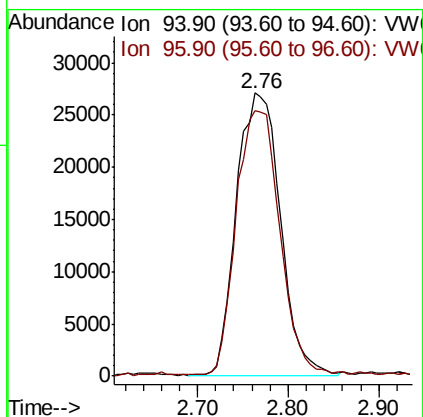
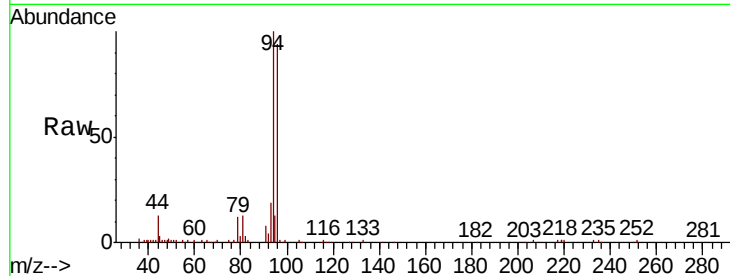
ClientSampled :

Tot Ion: 94 Resp: 90598

Ion Ratio Lower Upper

94 100

96 93.8 74.2 111.2



#6

Chloroethane

Concen: 18.981 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014575.D

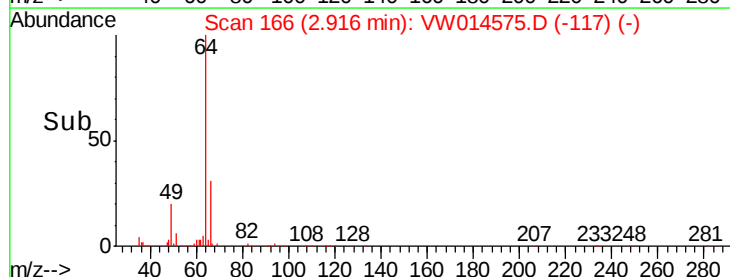
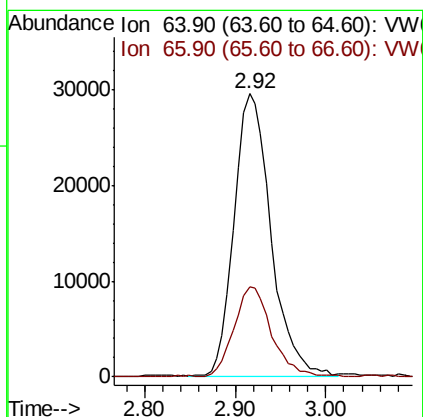
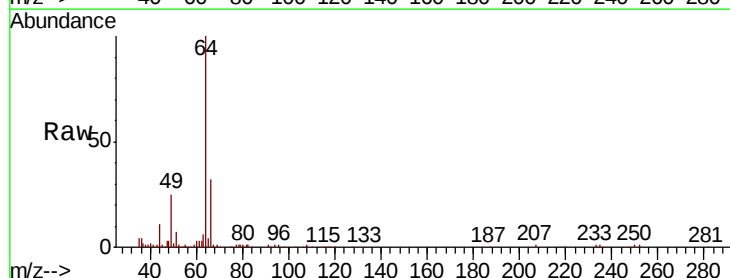
Acq: 09 Jan 2020 12:06

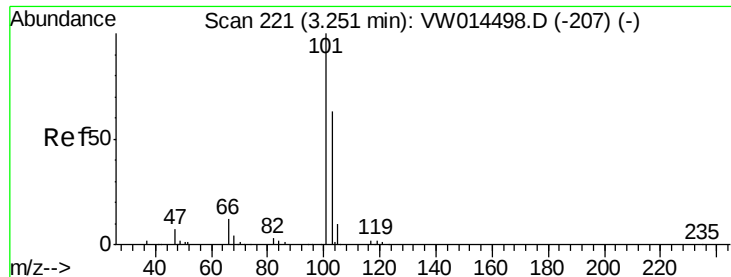
Tgt Ion: 64 Resp: 83946

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



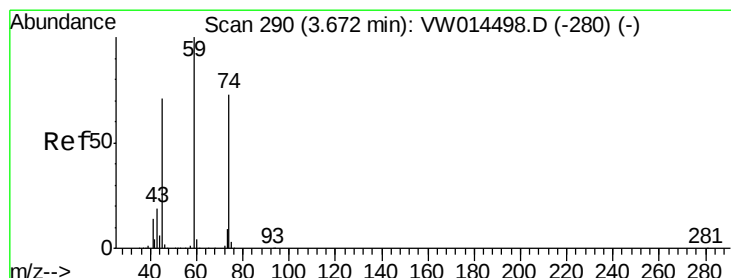
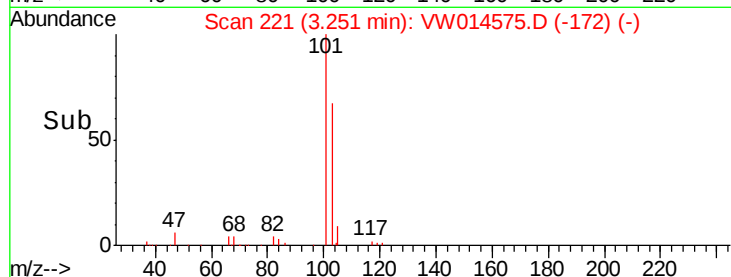
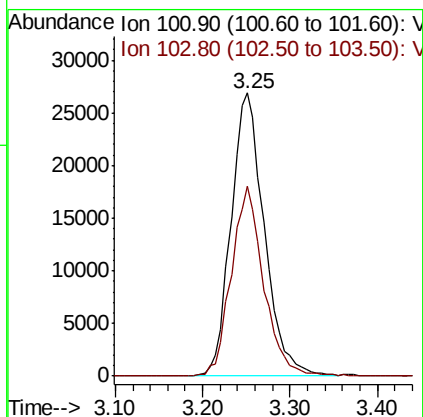
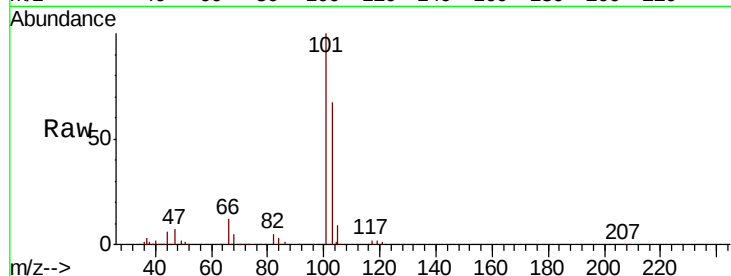


#7

Trichlorofluoromethane
Concen: 18.289 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Instrument :
MSVOA_W
ClientSampled :

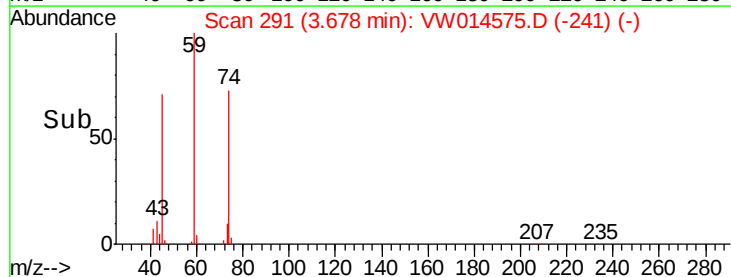
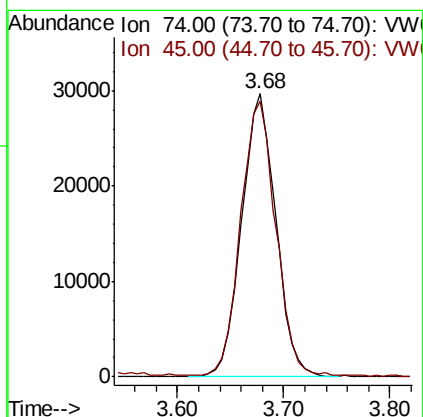
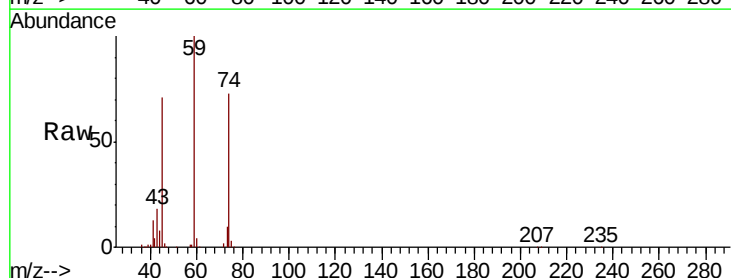
Tot Ion:101 Resp: 70994
Ion Ratio Lower Upper
101 100
103 67.0 50.1 75.1



#8

Diethyl Ether
Concen: 17.330 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 74 Resp: 66933
Ion Ratio Lower Upper
74 100
45 99.3 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.786 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

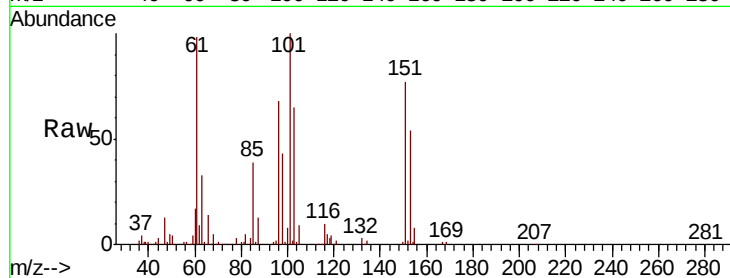
Tot Ion:101 Resp: 136255

Ion Ratio Lower Upper

101 100

85 40.7 33.7 50.5

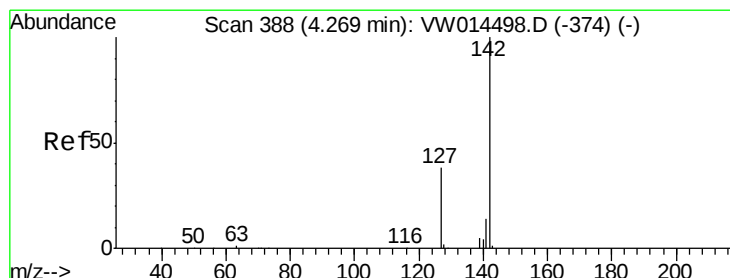
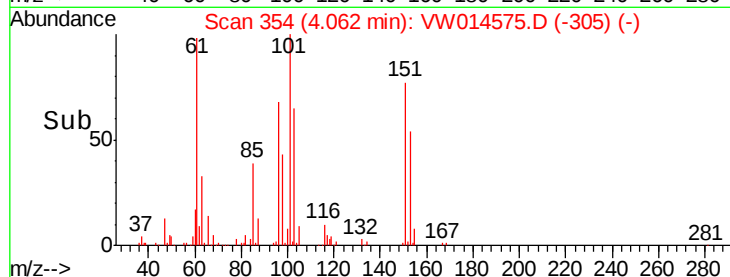
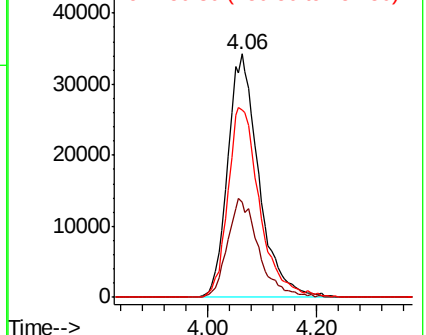
151 79.7 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.229 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

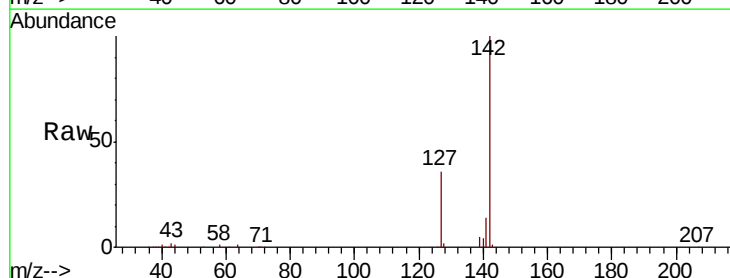
Tgt Ion:142 Resp: 199489

Ion Ratio Lower Upper

142 100

127 37.6 30.2 45.4

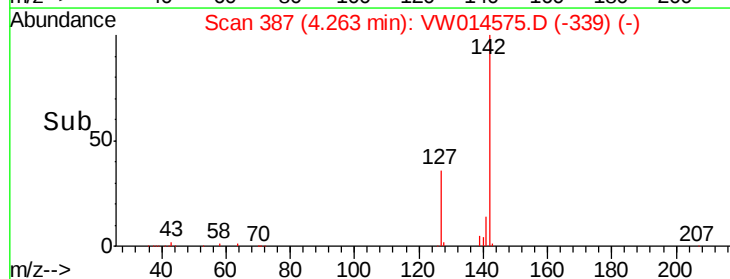
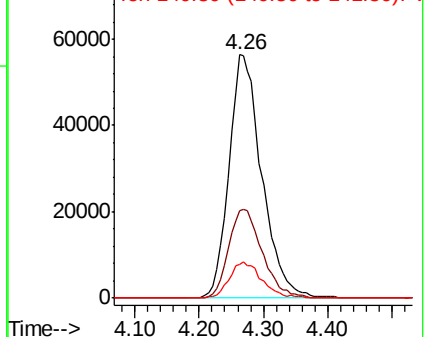
141 14.9 11.4 17.2

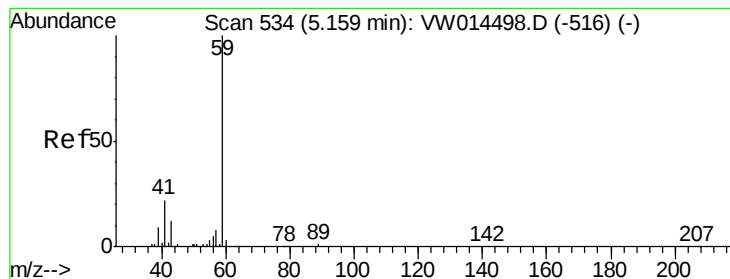


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 73.387 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

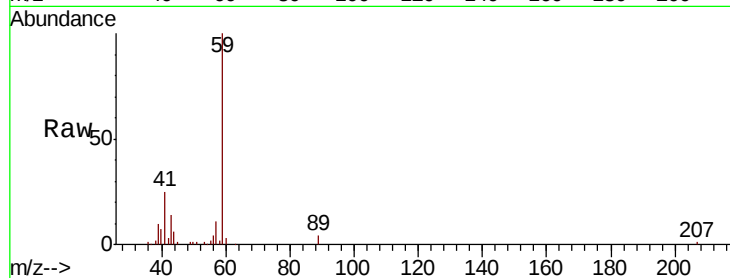
ClientSampled :

Tot Ion: 59 Resp: 46096

Ion Ratio Lower Upper

59 100

57 10.8 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

15000

5.16

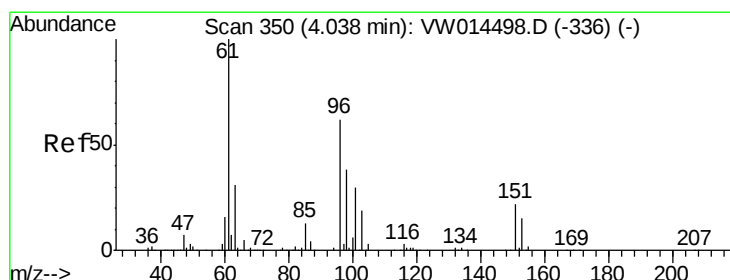
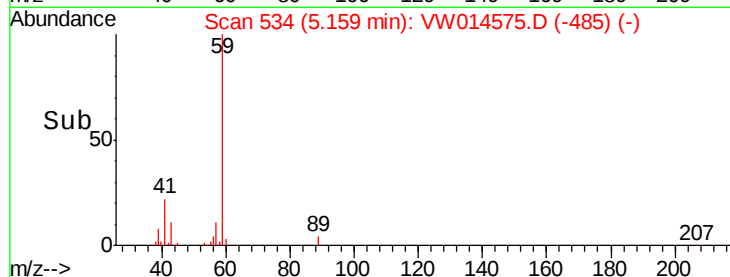
10000

5000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 18.214 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

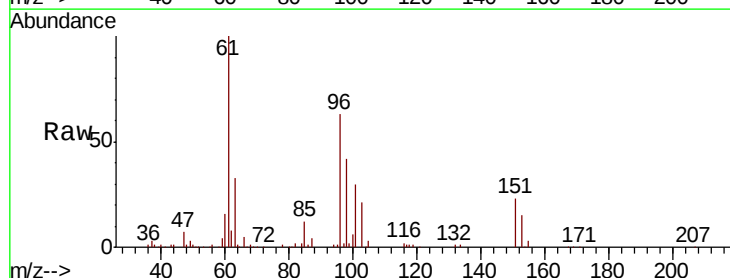
Tgt Ion: 96 Resp: 138348

Ion Ratio Lower Upper

96 100

61 158.4 128.4 192.6

98 66.3 49.1 73.7



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

80000

60000

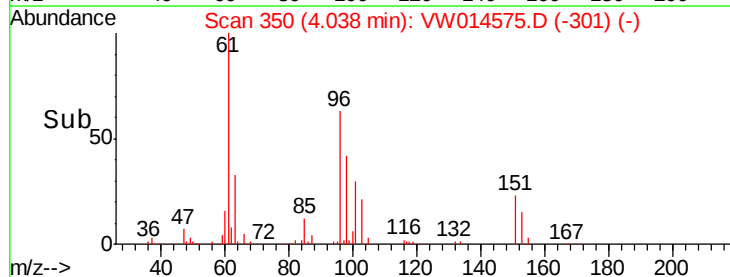
40000

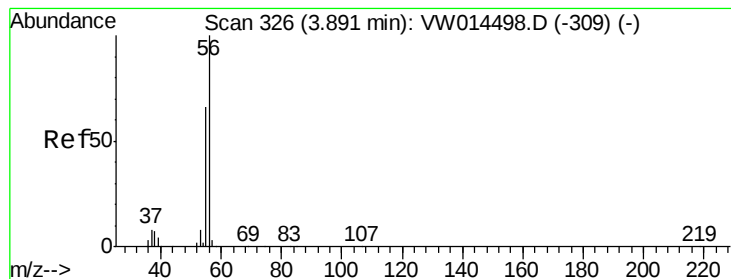
20000

0

Time-->

3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 96.408 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

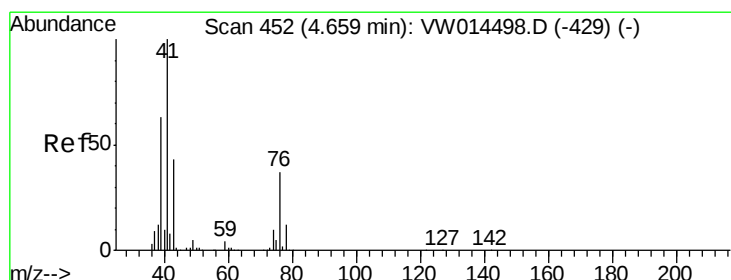
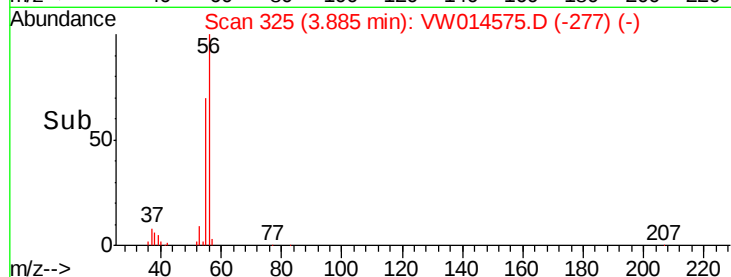
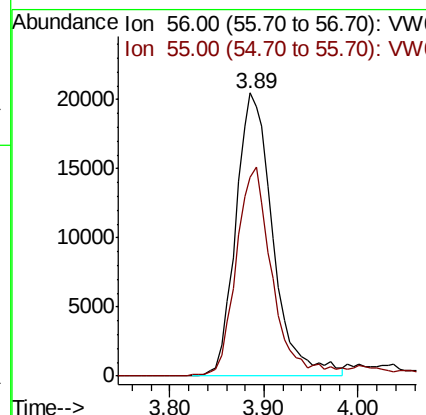
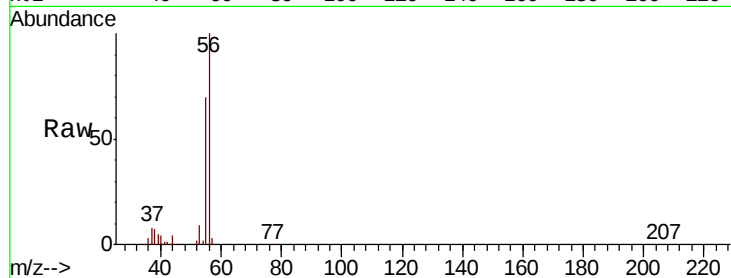
ClientSampleId :

Tot Ion: 56 Resp: 56153

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 17.960 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

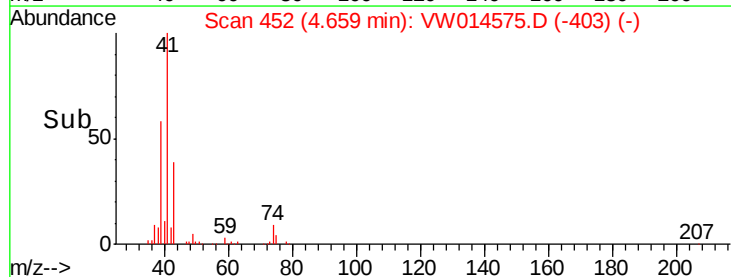
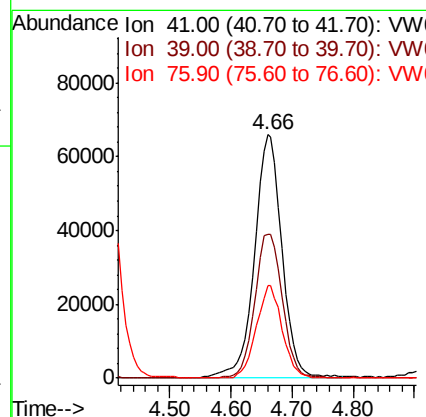
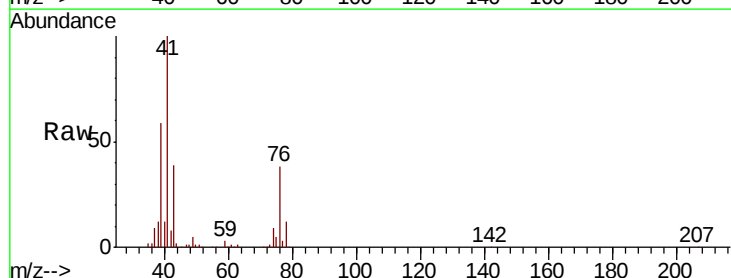
Tgt Ion: 41 Resp: 208461

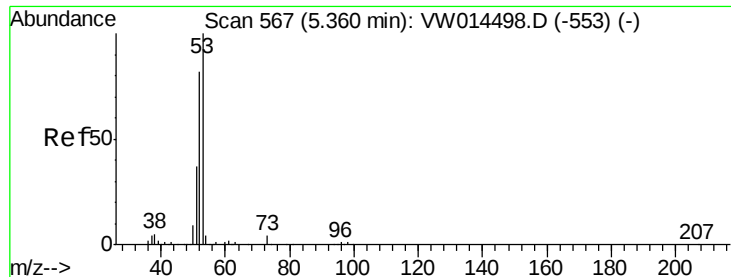
Ion Ratio Lower Upper

41 100

39 59.5 48.5 72.7

76 35.8 28.1 42.1





#15

Acrylonitrile

Concen: 87.663 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

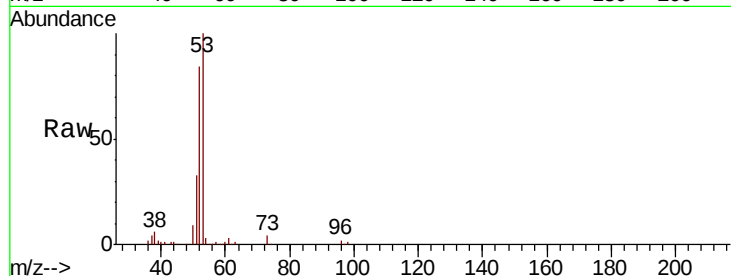
Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 154767

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.5	99.7
51	34.8	28.4	42.6

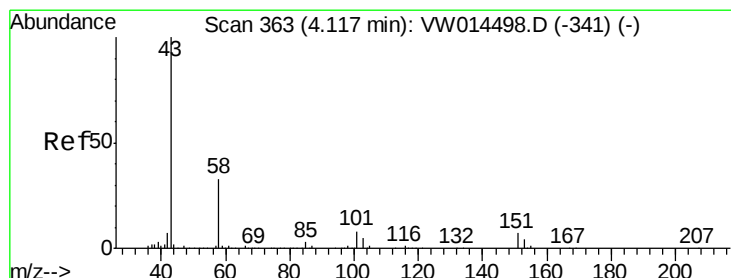
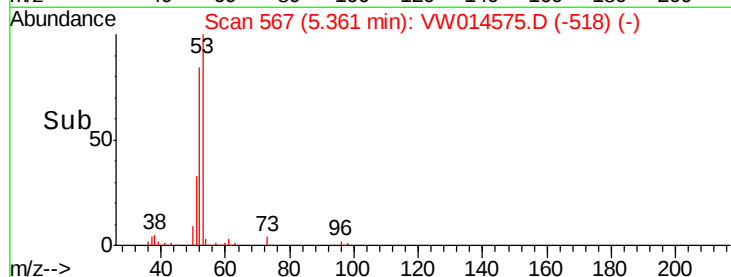
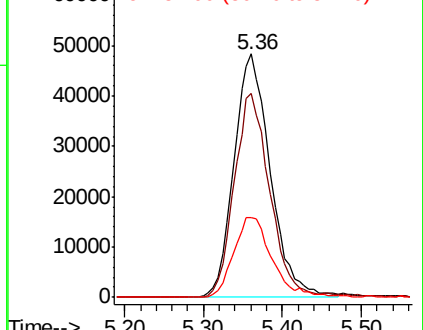


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 83.049 ug/l

RT: 4.11 min Scan# 362

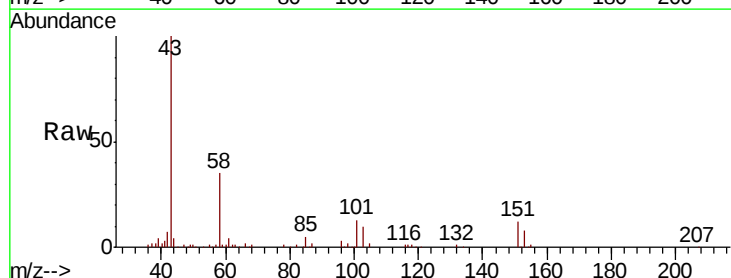
Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Tgt Ion: 43 Resp: 156490

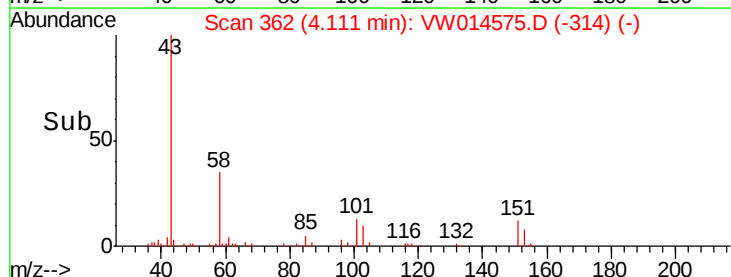
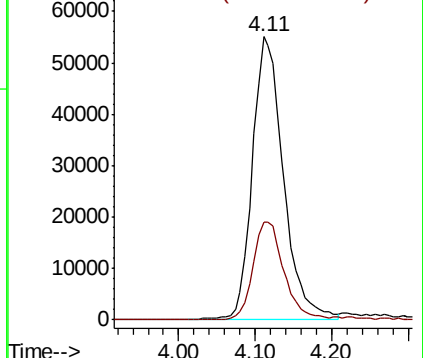
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.6	39.8

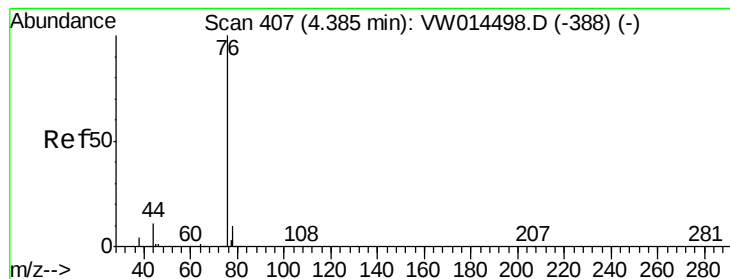


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 17.756 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

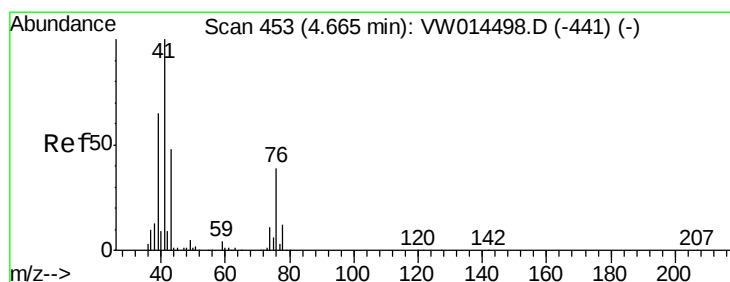
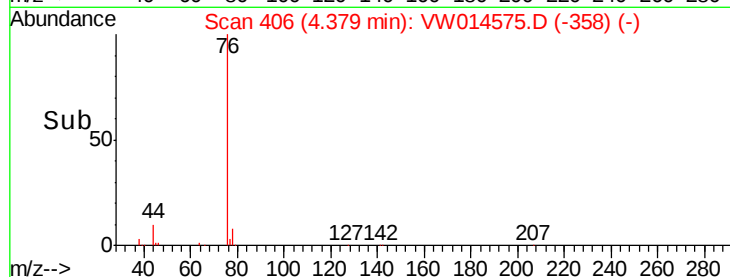
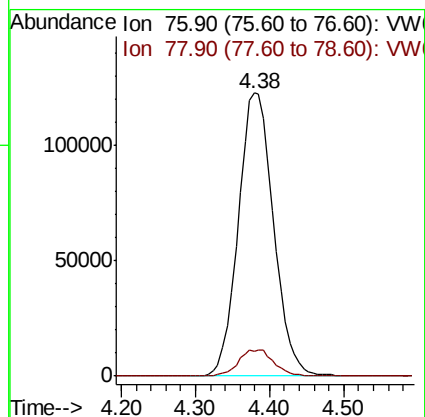
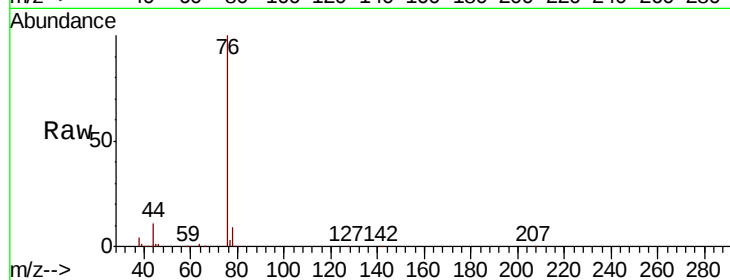
ClientSampled :

Tot Ion: 76 Resp: 406483

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.6



#18

Methyl Acetate

Concen: 18.068 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014575.D

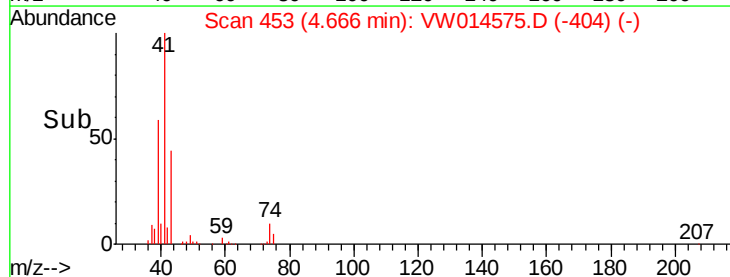
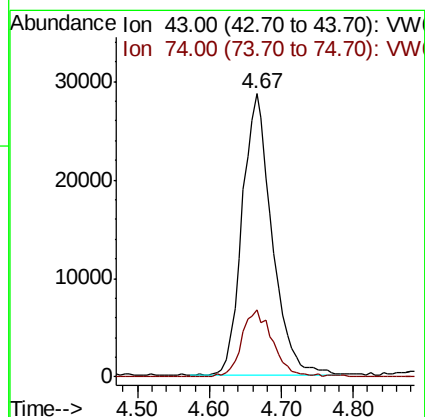
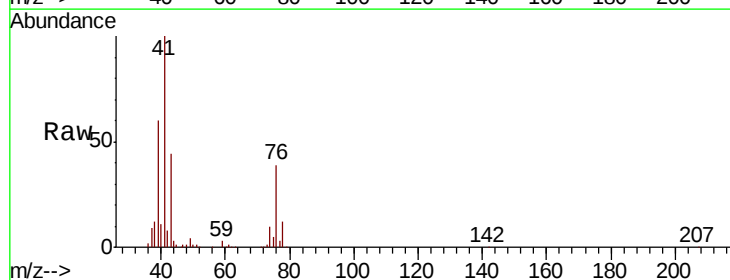
Acq: 09 Jan 2020 12:06

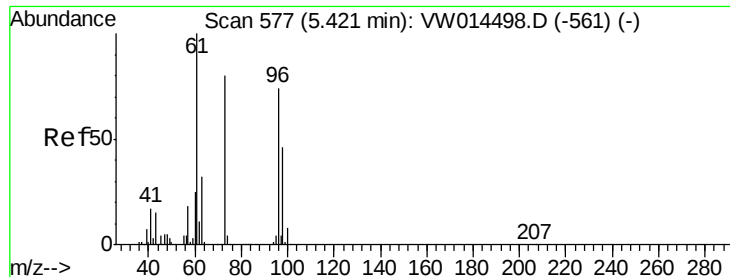
Tgt Ion: 43 Resp: 82225

Ion Ratio Lower Upper

43 100

74 24.4 19.3 28.9



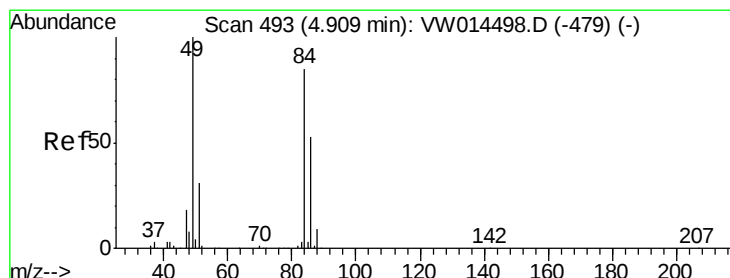
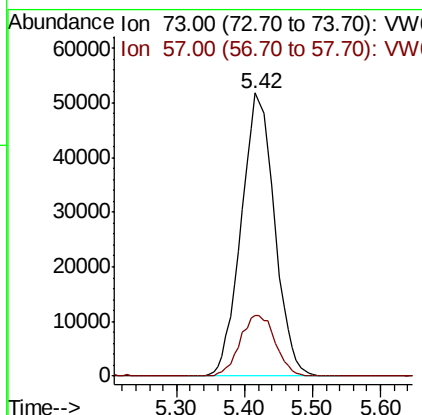
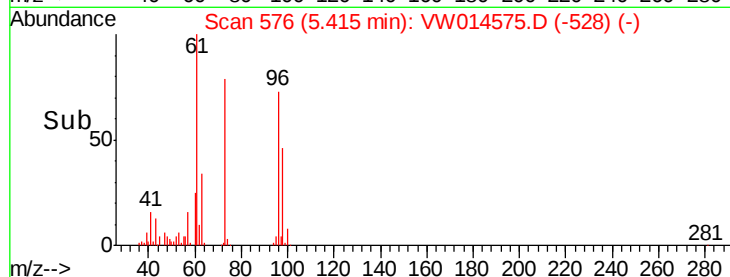
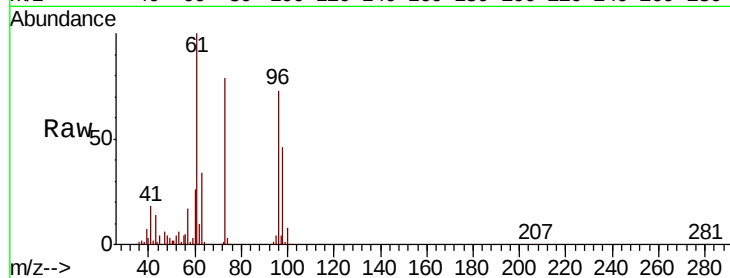


#19

Methyl tert-butyl Ether
 Concen: 18.781 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_W
 ClientSampled :

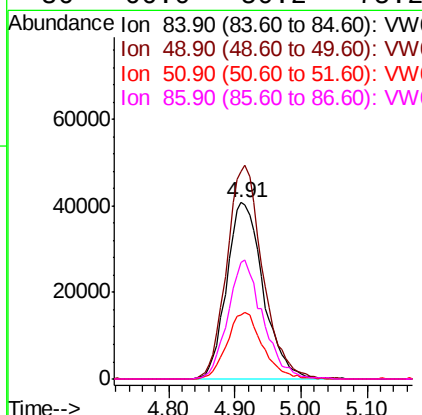
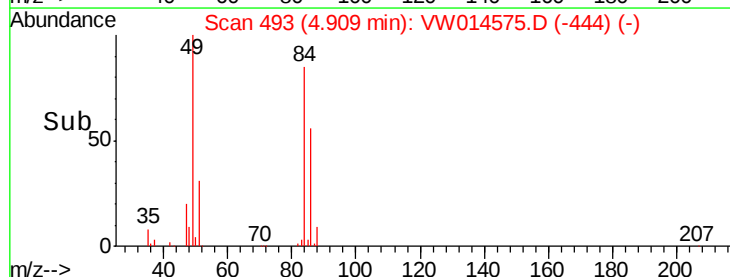
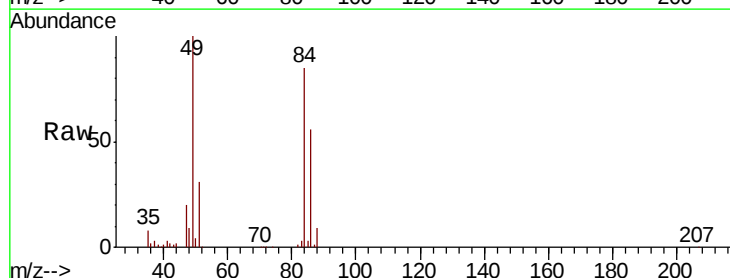
Tot Ion: 73 Resp: 177081
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.1 27.1

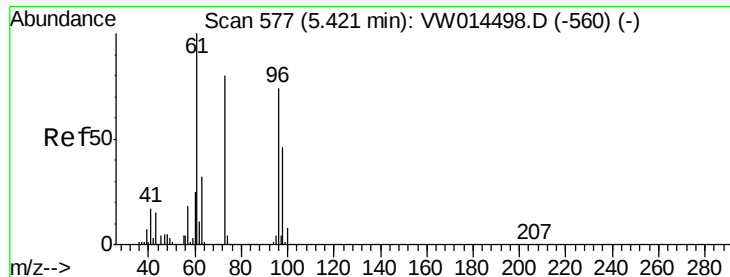


#20

Methylene Chloride
 Concen: 17.608 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 84 Resp: 156508
 Ion Ratio Lower Upper
 84 100
 49 117.3 94.4 141.6
 51 36.4 29.5 44.3
 86 66.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.804 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

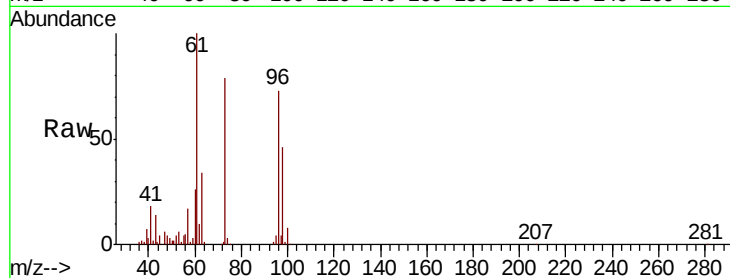
Tot Ion: 96 Resp: 143589

Ion Ratio Lower Upper

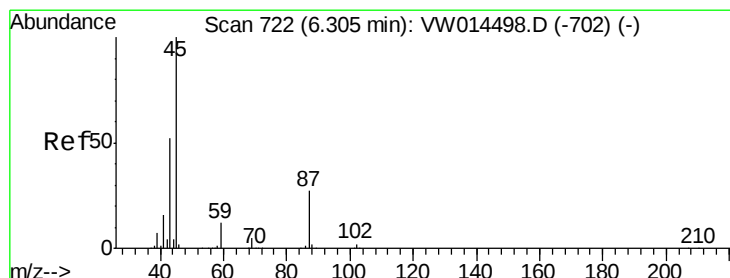
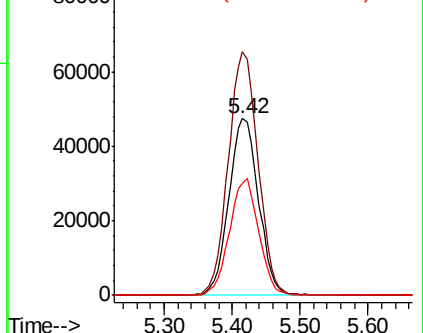
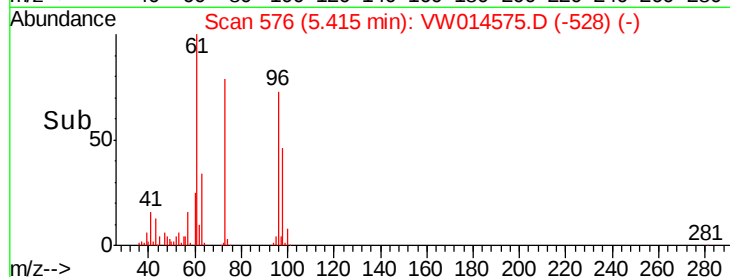
96 100

61 137.9 107.8 161.6

98 63.2 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: 18.179 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Tgt Ion: 45 Resp: 394949

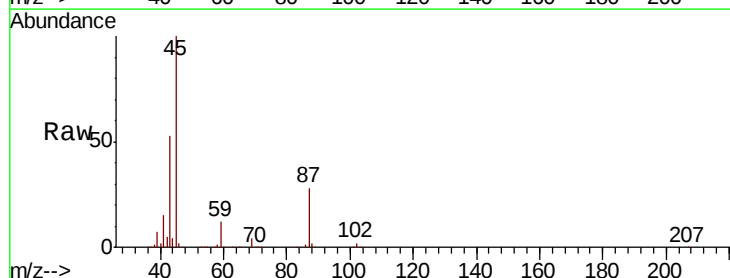
Ion Ratio Lower Upper

45 100

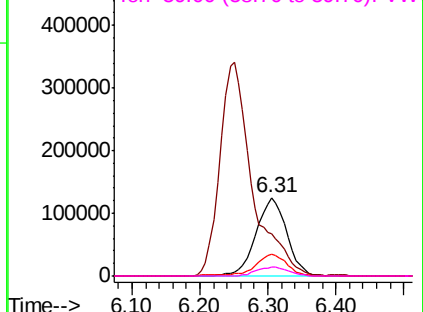
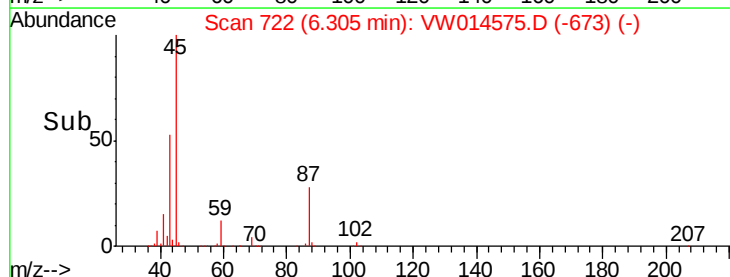
43 53.2 41.4 62.0

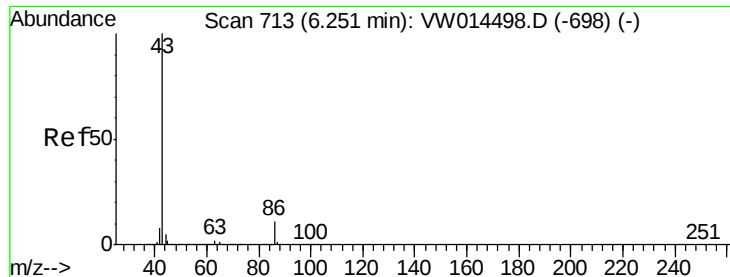
87 27.5 22.2 33.2

59 11.8 9.5 14.3



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: 86.186 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

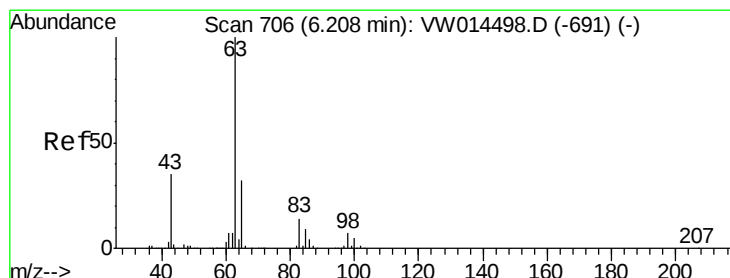
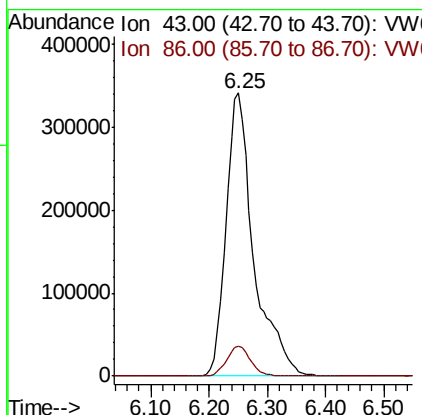
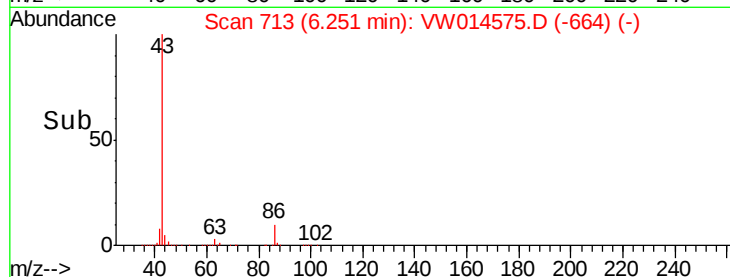
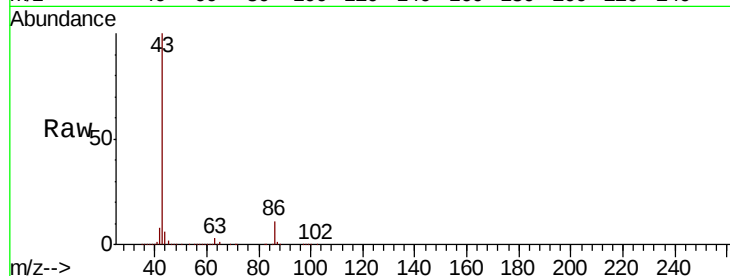
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1130694

Ion Ratio Lower Upper

43 100

86 10.5 8.8 13.2



#24

1,1-Dichloroethane

Concen: 18.033 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

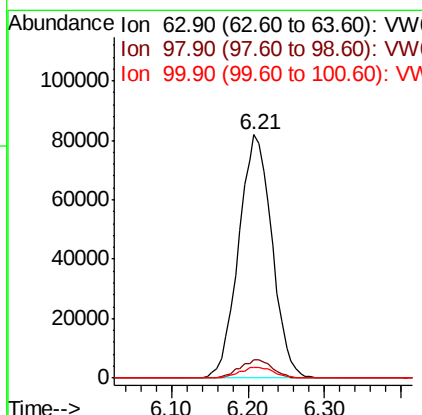
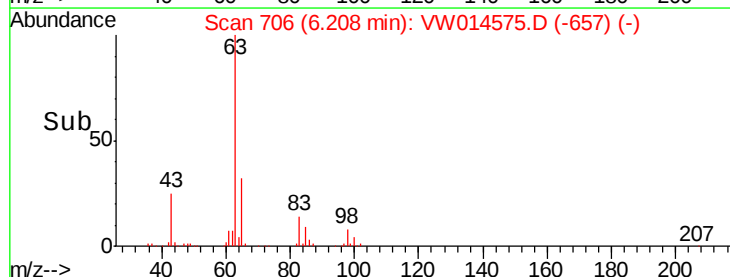
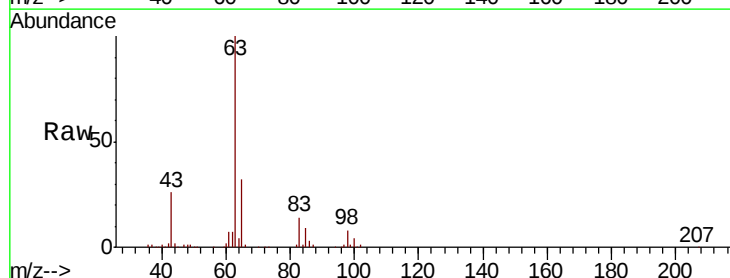
Tgt Ion: 63 Resp: 247133

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.4 2.5 7.4

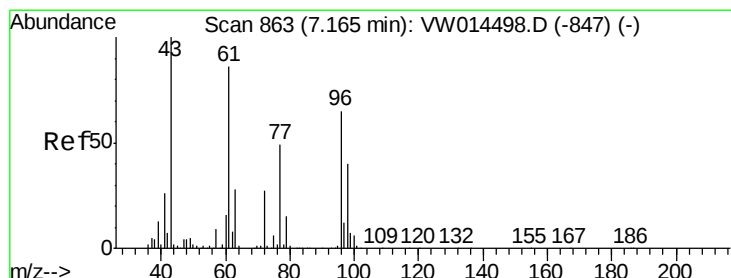
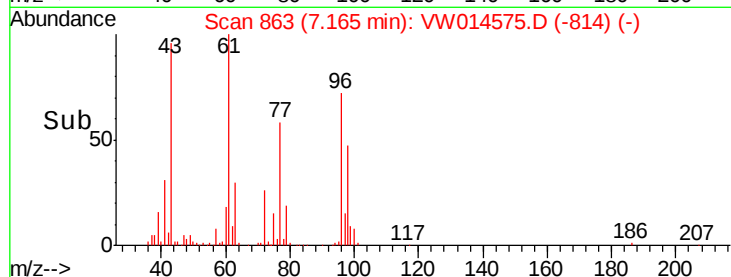
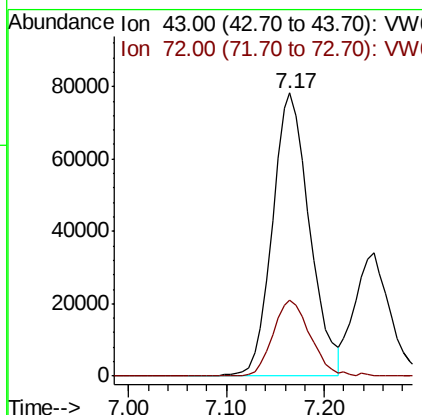
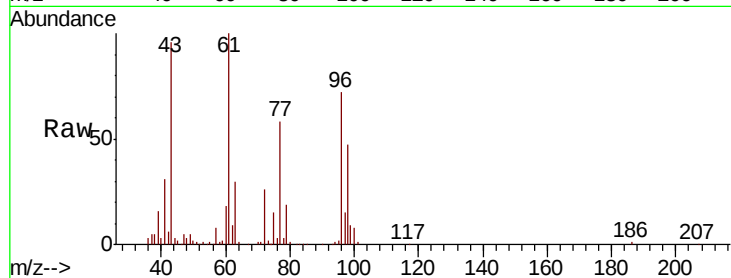




#25
 2-Butanone
 Concen: 85.534 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

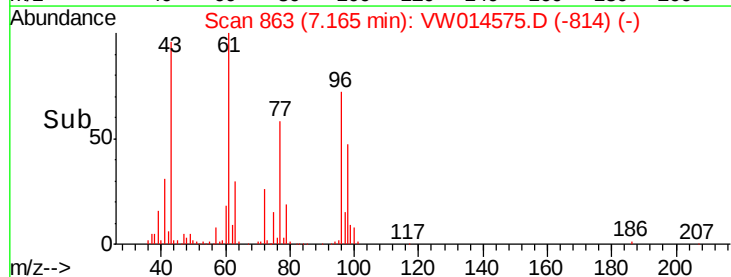
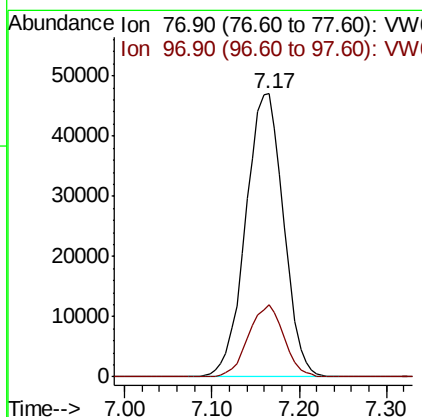
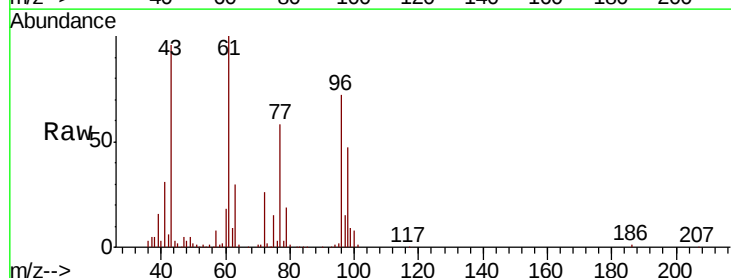
Instrument :
 MSVOA_W
 ClientSampled :

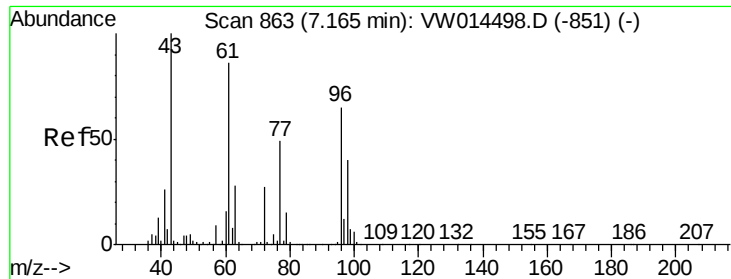
Tot Ion: 43 Resp: 206839
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 18.697 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 77 Resp: 141858
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.5 37.5



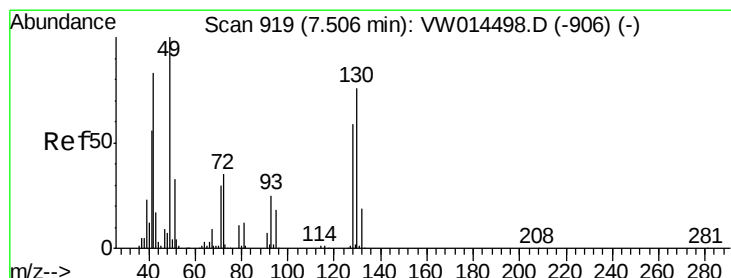
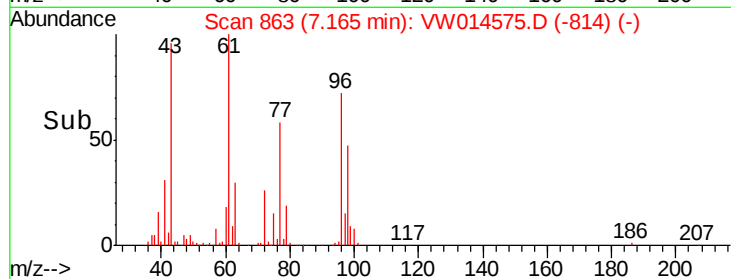
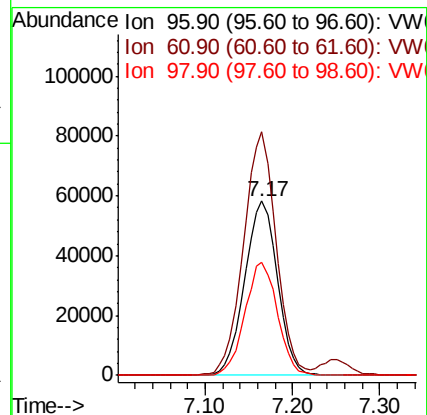
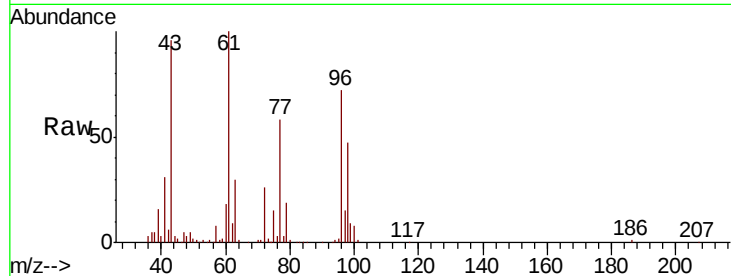


#27

cis-1,2-Dichloroethene
 Concen: 17.938 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_W
 ClientSampled :

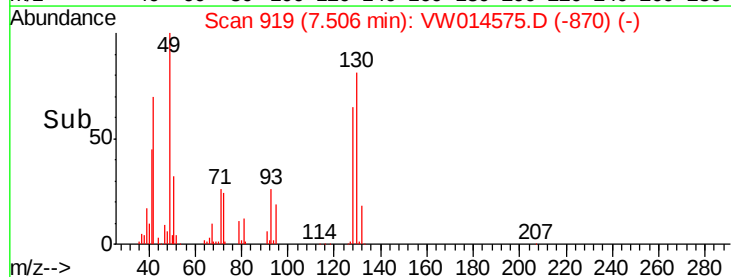
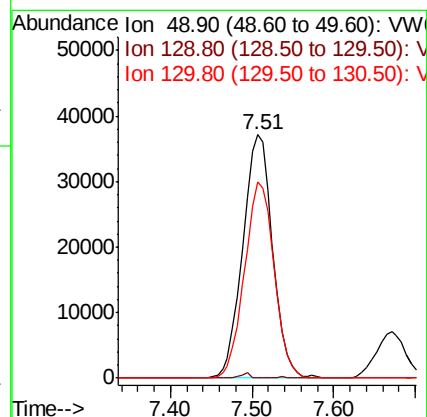
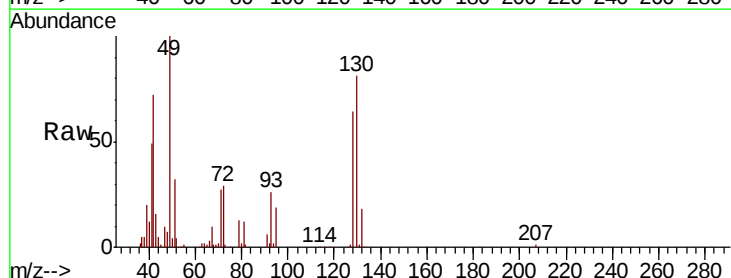
Tot Ion: 96 Resp: 152015
 Ion Ratio Lower Upper
 96 100
 61 139.0 0.0 274.8
 98 64.5 0.0 128.6

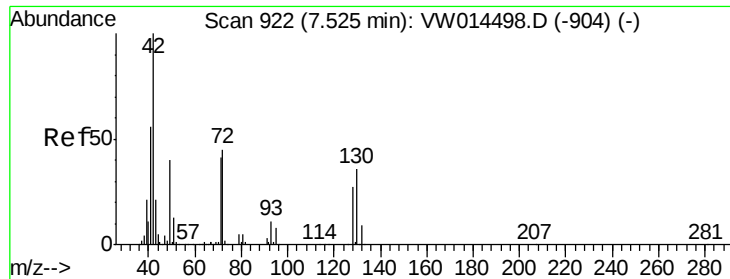


#28

Bromochloromethane
 Concen: 17.523 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 49 Resp: 94147
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 2.0
 130 80.5 62.5 93.7





#29

Tetrahydrofuran

Concen: 85.764 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

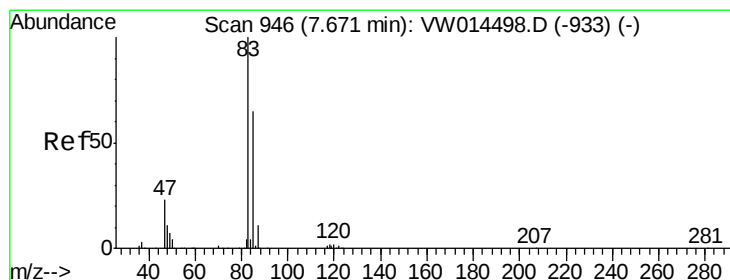
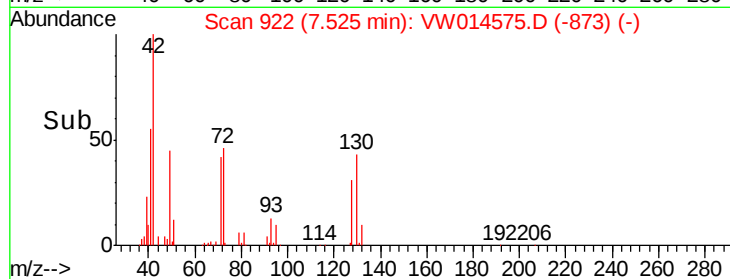
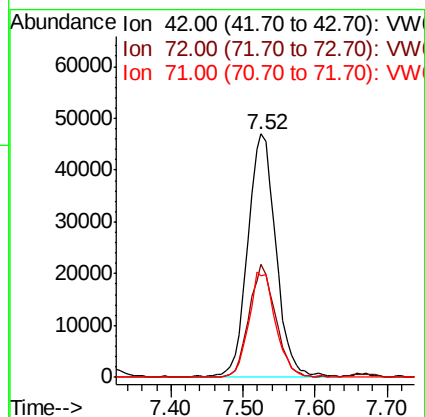
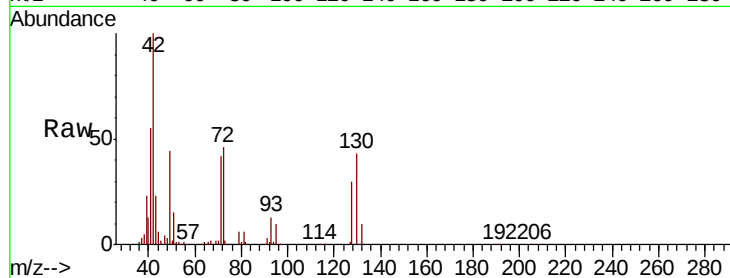
Tot Ion: 42 Resp: 128482

Ion Ratio Lower Upper

42 100

72 43.3 34.5 51.7

71 40.6 32.0 48.0



#30

Chloroform

Concen: 18.042 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014575.D

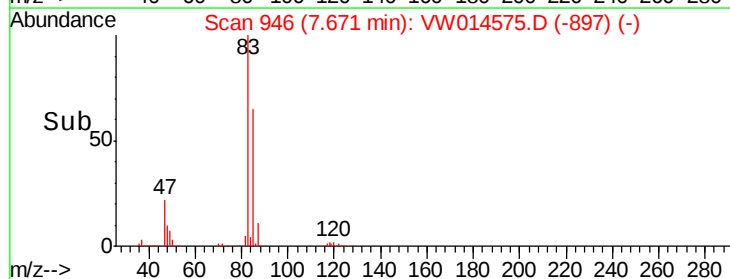
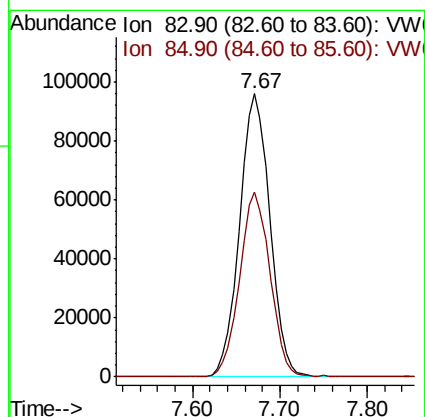
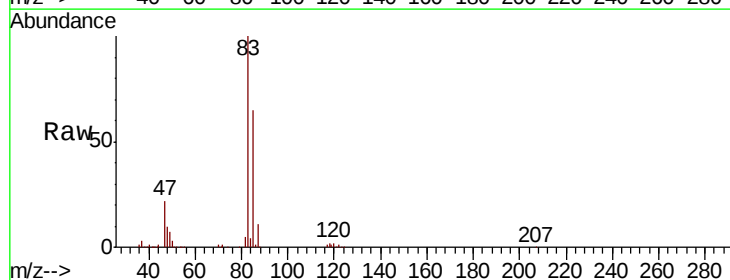
Acq: 09 Jan 2020 12:06

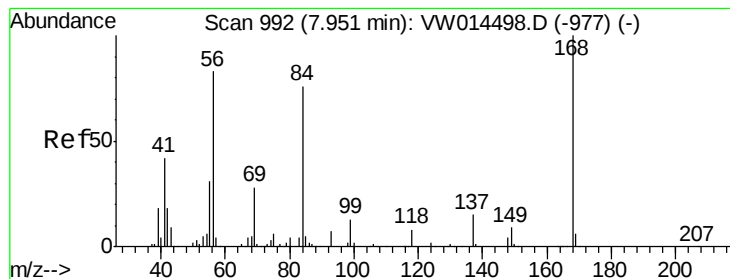
Tgt Ion: 83 Resp: 231222

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2





#31

Cyclohexane

Concen: 17.701 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

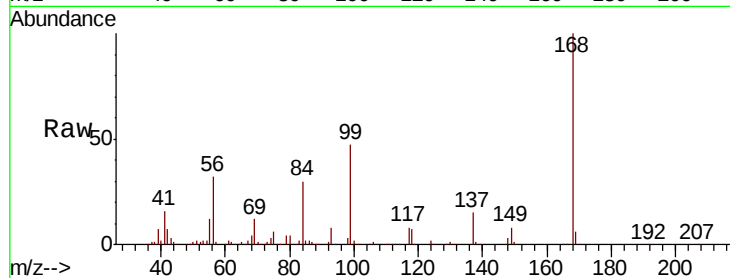
Tot Ion: 56 Resp: 252095

Ion Ratio Lower Upper

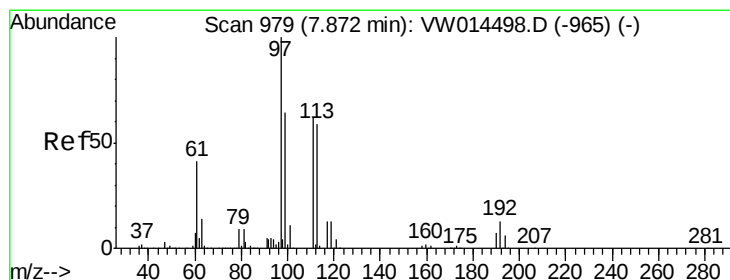
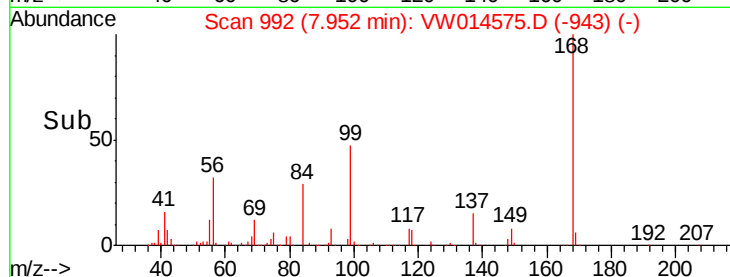
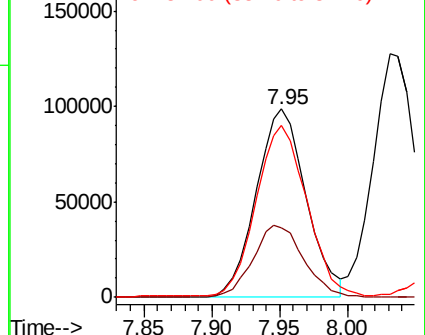
56 100

69 37.2 26.8 40.2

84 90.6 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 18.276 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

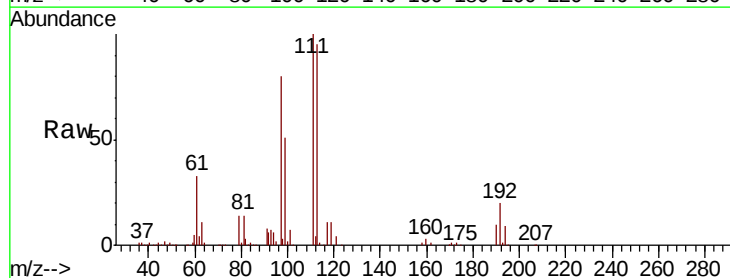
Tgt Ion: 97 Resp: 188372

Ion Ratio Lower Upper

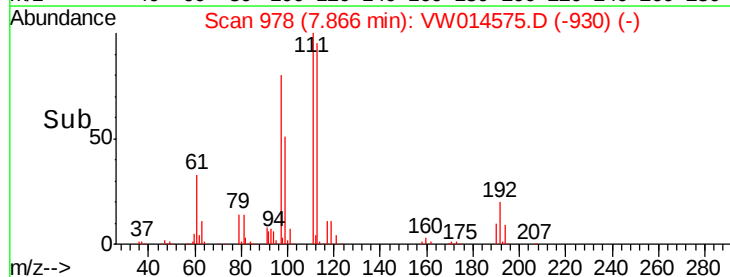
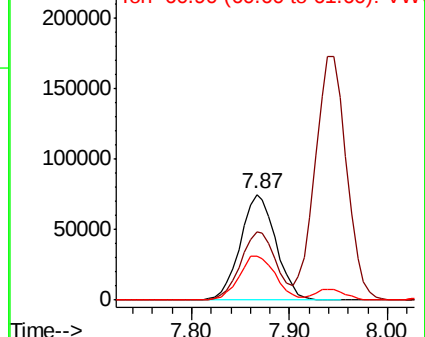
97 100

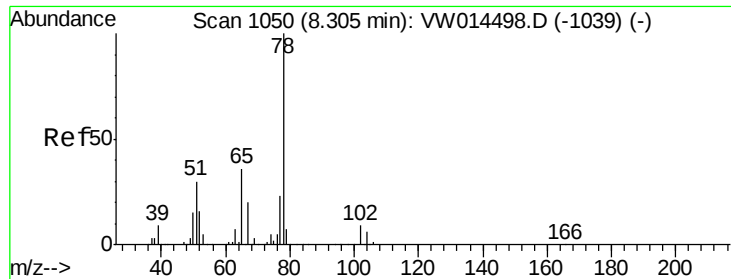
99 64.8 51.8 77.6

61 43.0 33.8 50.8



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

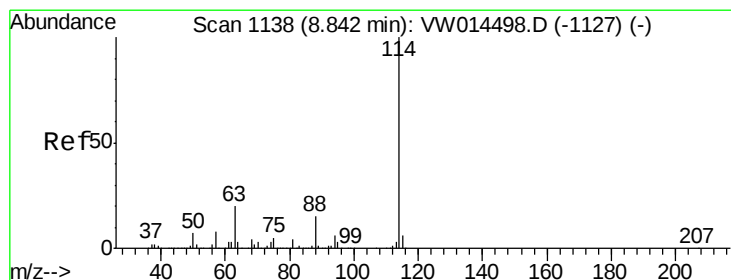
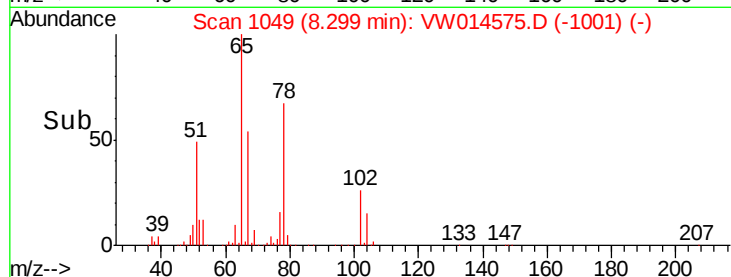
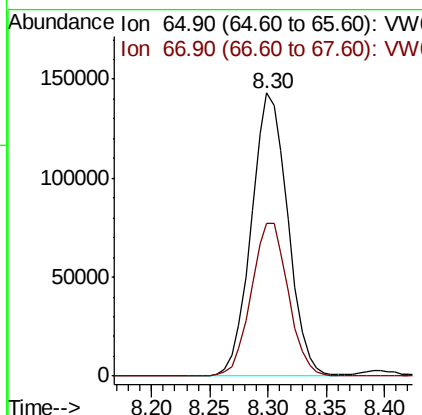
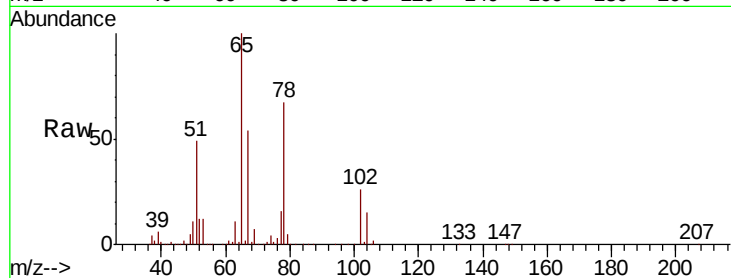




#33
 1,2-Dichloroethane-d4
 Concen: 46.836 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

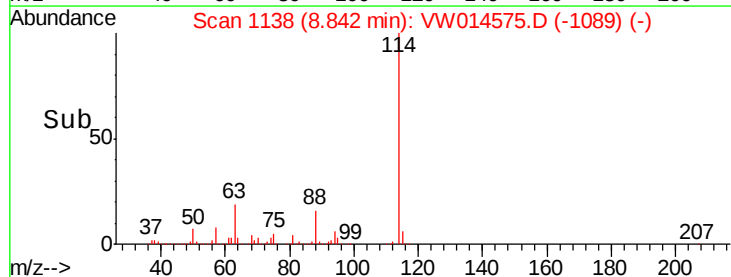
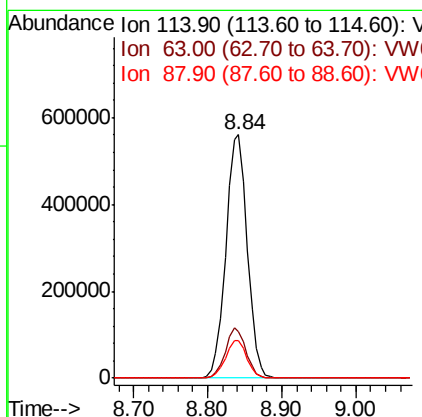
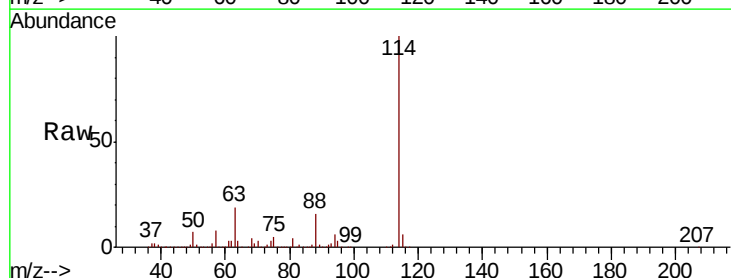
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 65 Resp: 312548
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 114 Resp: 1120661
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.4
 88 15.6 0.0 30.6

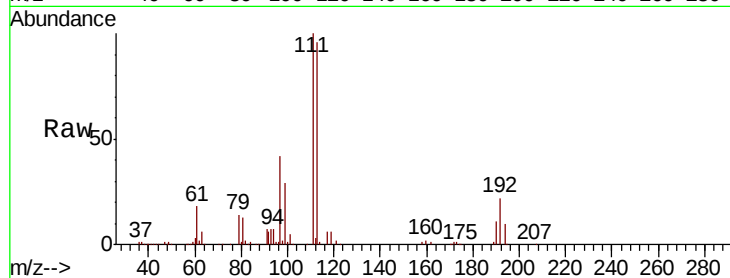




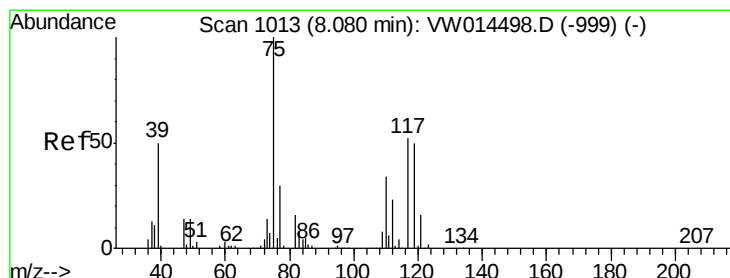
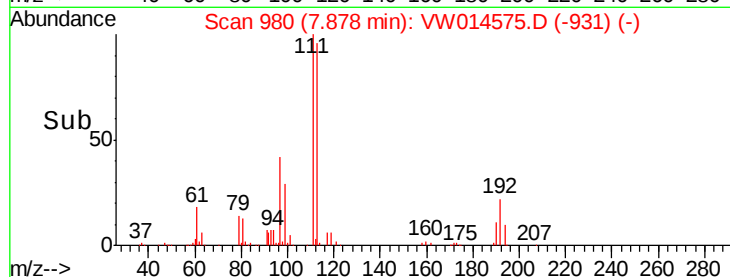
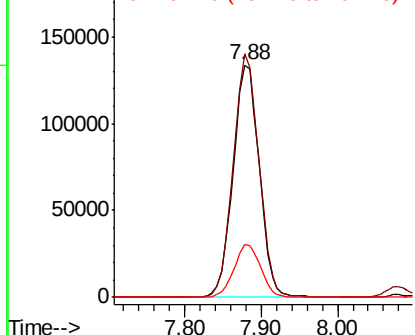
#35
 Dibromofluoromethane
 Concen: 49.543 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	23.1	17.8	26.8

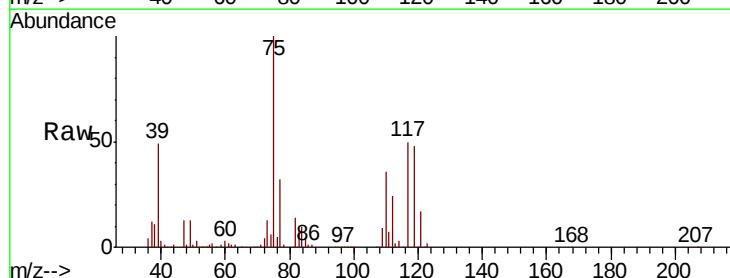


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

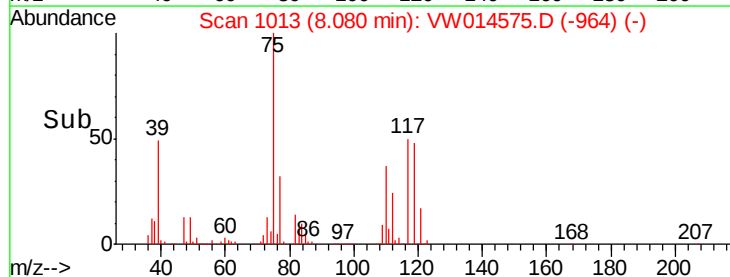
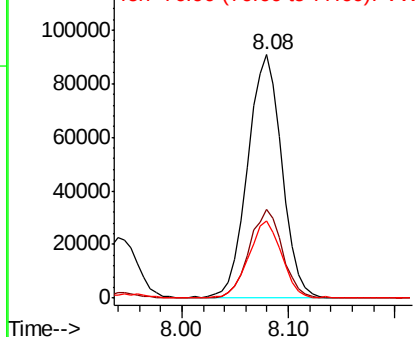


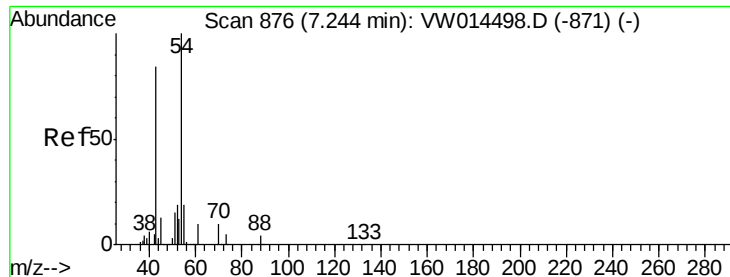
#36
 1,1-Dichloropropene
 Concen: 18.902 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.5
77	31.2	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

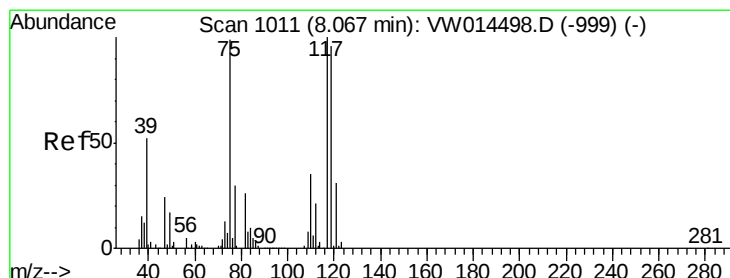
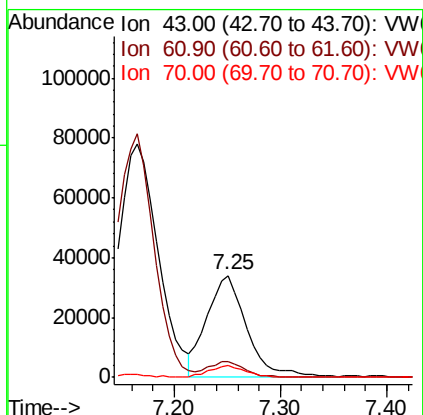
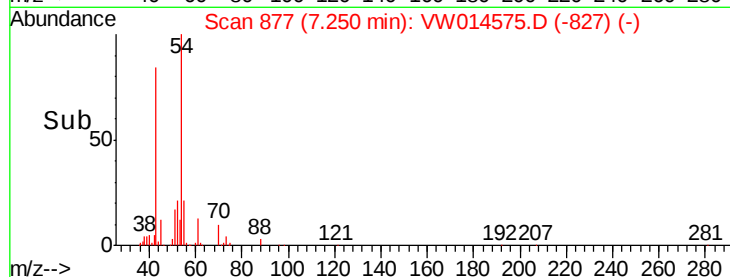
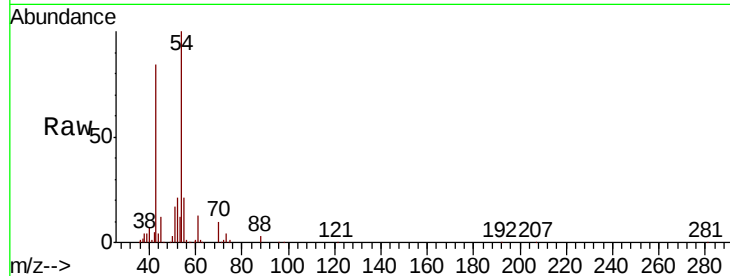




#37
Ethyl Acetate
Concen: 17.745 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

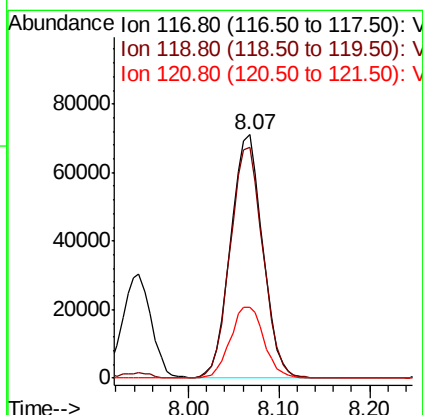
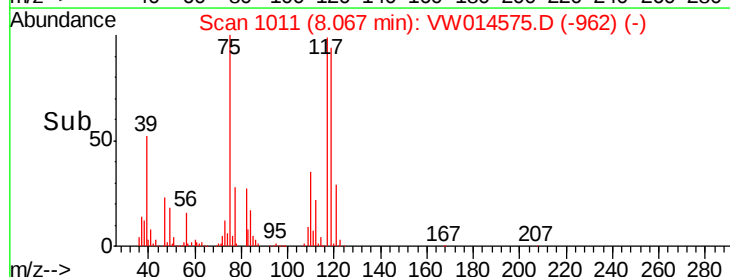
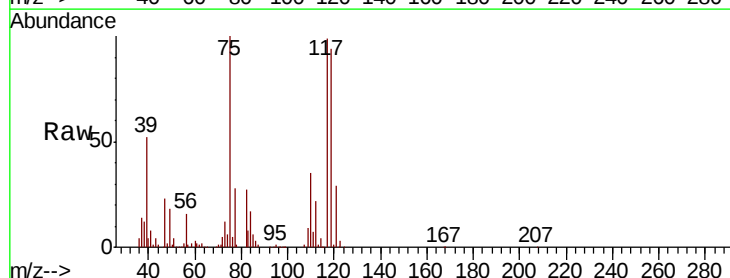
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 86949
Ion Ratio Lower Upper
43 100
61 13.6 11.7 17.5
70 10.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.605 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 117 Resp: 174385
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 29.2 24.6 36.8

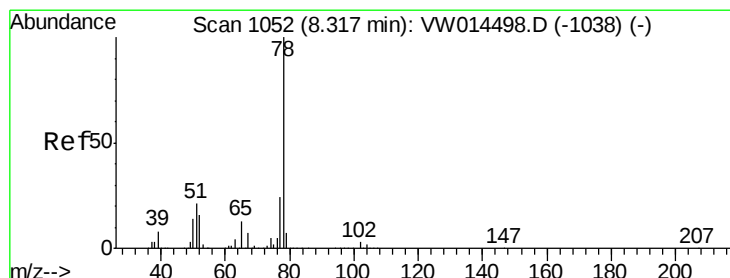
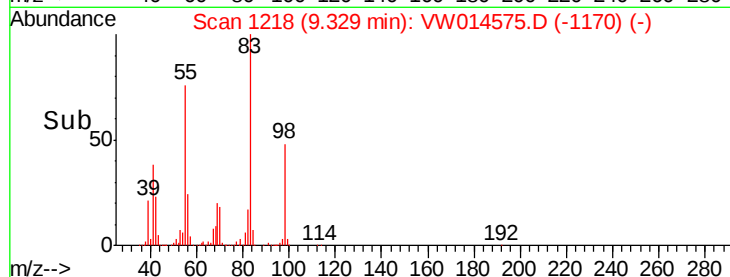
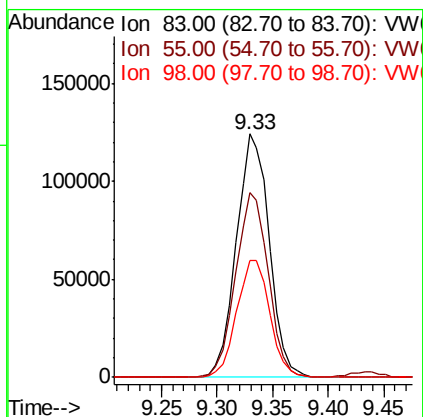
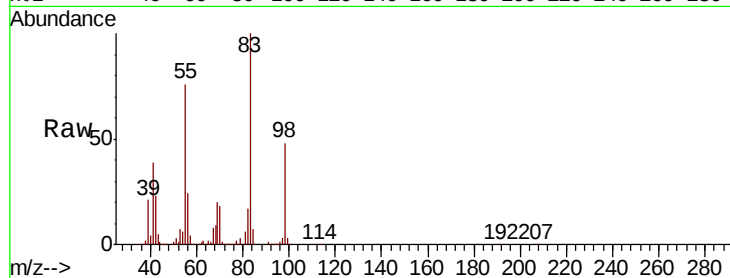




#39
Methvlcvclohexane
Concen: 18.354 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

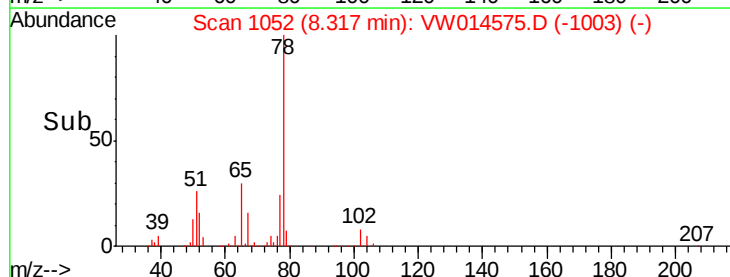
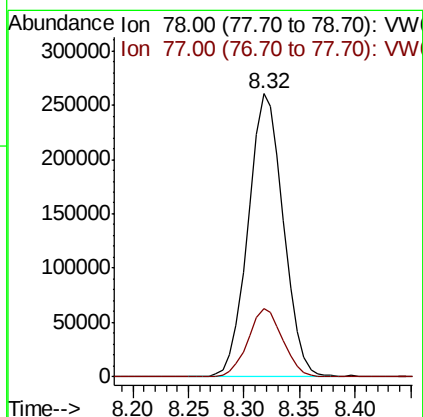
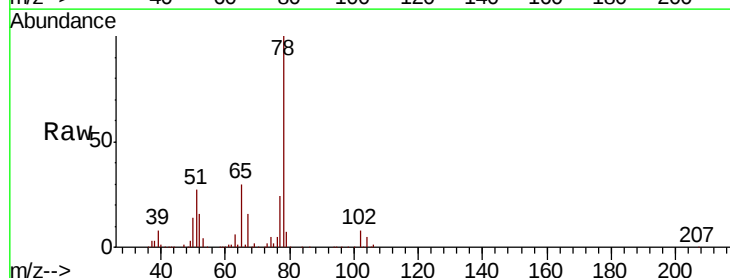
Instrument :
MSVOA_W
ClientSampleId :

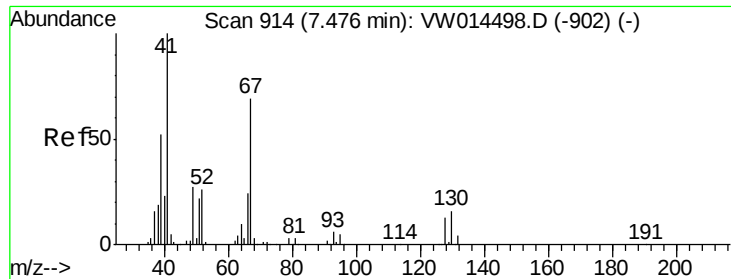
Tot Ion: 83 Resp: 254474
Ion Ratio Lower Upper
83 100
55 75.7 60.1 90.1
98 47.8 38.8 58.2



#40
Benzene
Concen: 18.742 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 78 Resp: 572901
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

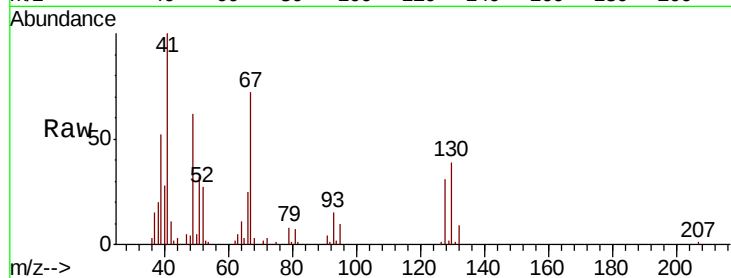




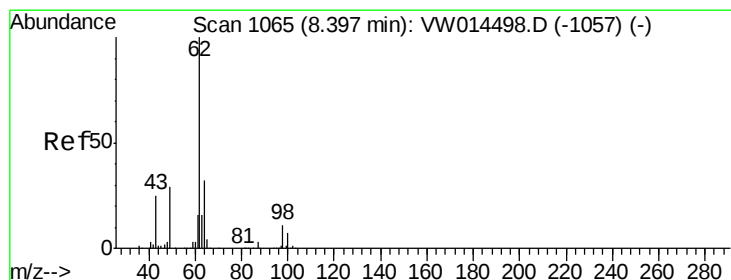
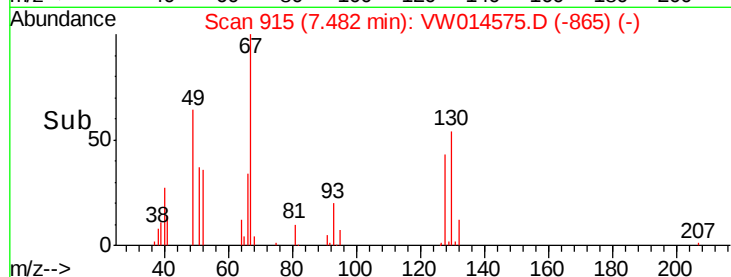
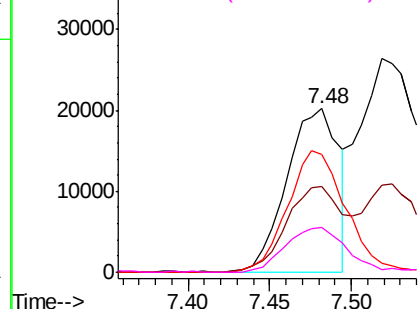
#41
Methacrylonitrile
Concen: 16.472 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	44990
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.0	69.0
67	82.4	60.8	91.2
52	33.0	23.7	35.5

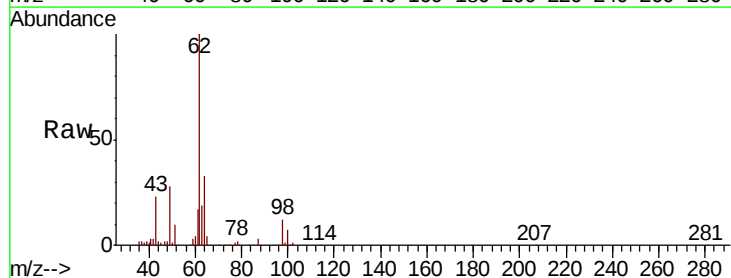


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

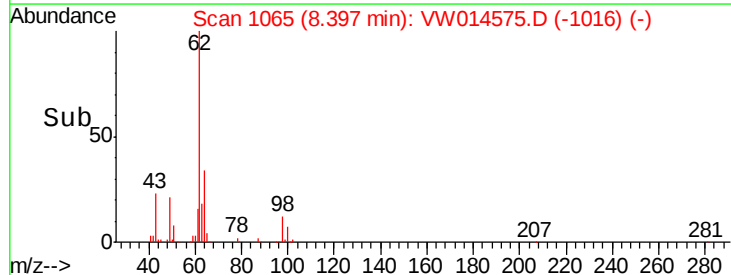
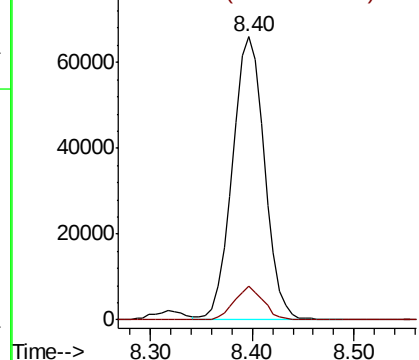


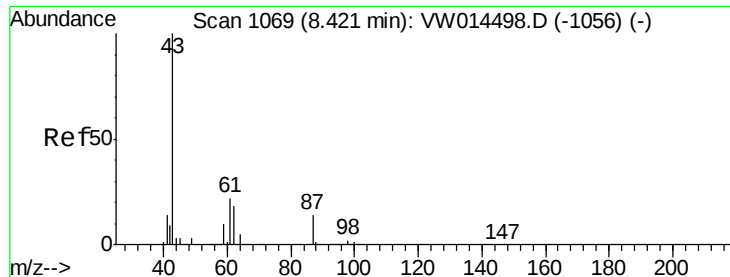
#42
1,2-Dichloroethane
Concen: 18.137 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion:	62	Resp:	143874
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 17.391 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

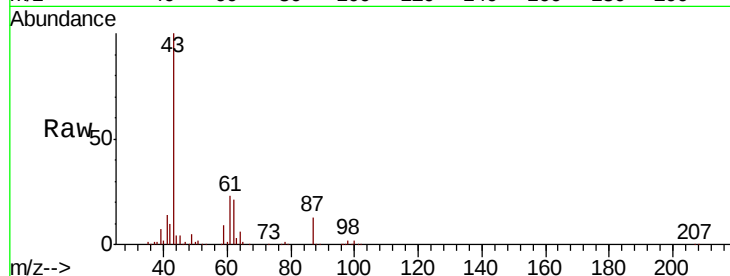
Tot Ion: 43 Resp: 154736

Ion Ratio Lower Upper

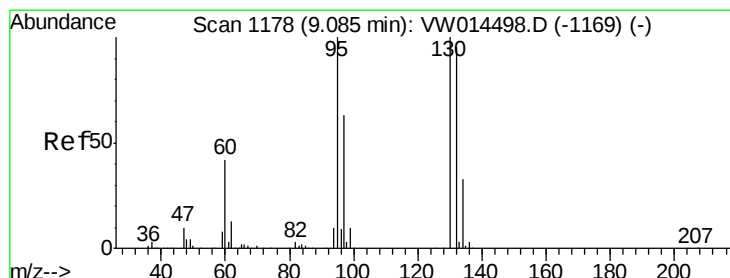
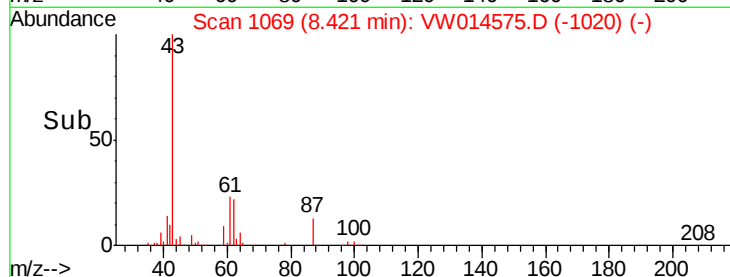
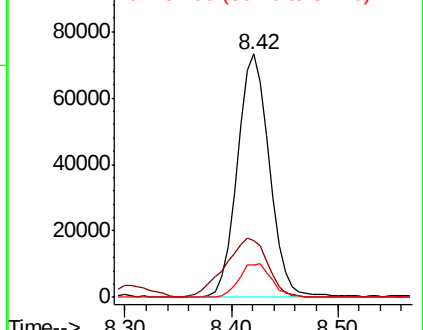
43 100

61 31.7 24.7 37.1

87 14.1 11.1 16.7



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: 18.531 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014575.D

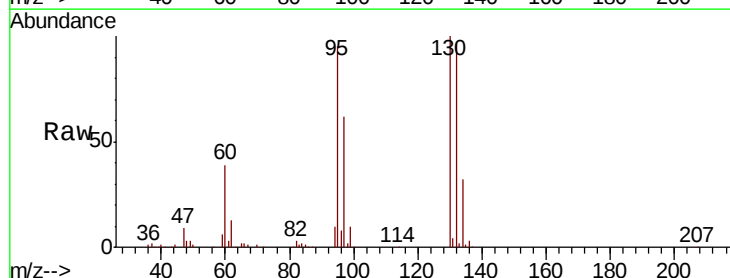
Acq: 09 Jan 2020 12:06

Tgt Ion:130 Resp: 153273

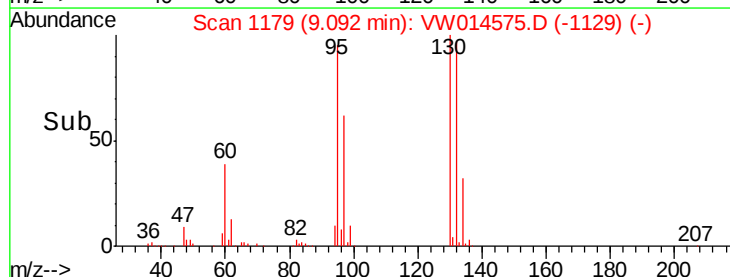
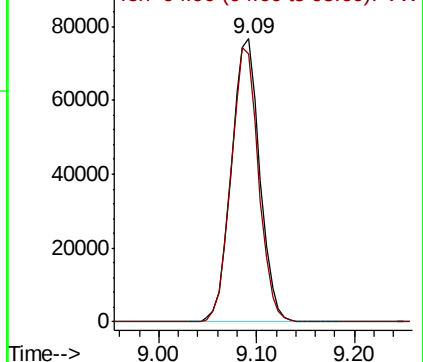
Ion Ratio Lower Upper

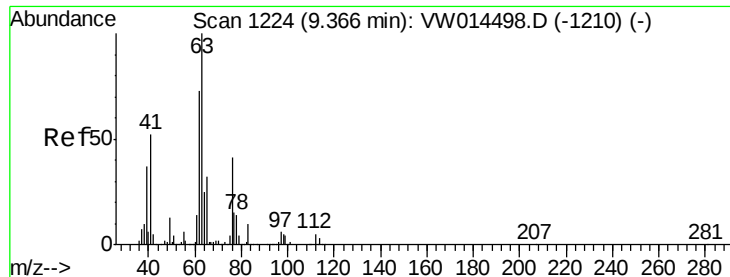
130 100

95 94.8 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 18.488 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

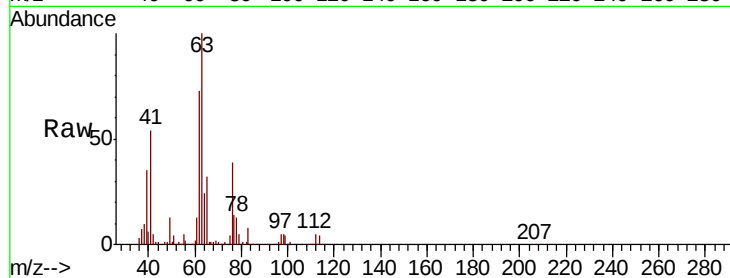
ClientSampleId :

Tot Ion: 63 Resp: 138678

Ion Ratio Lower Upper

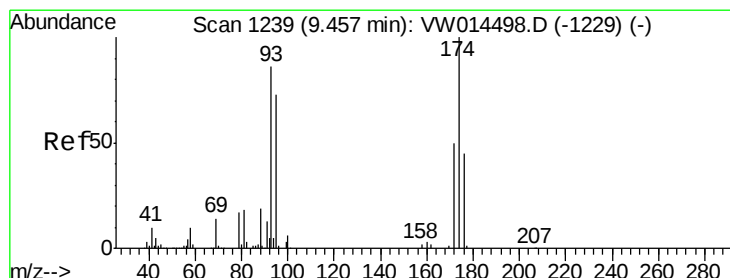
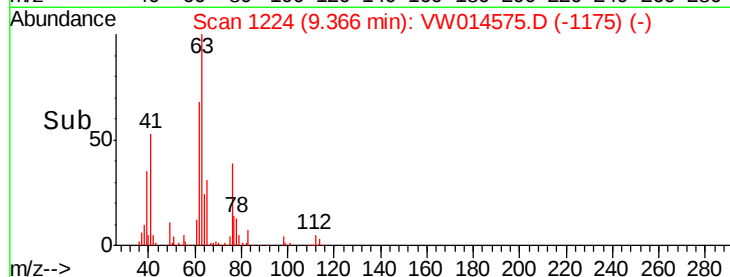
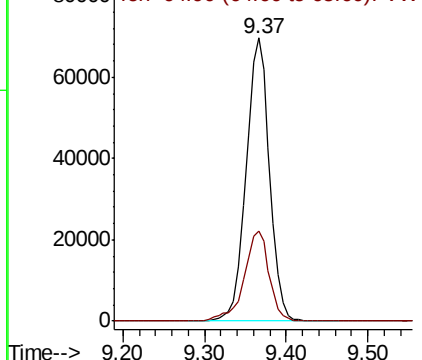
63 100

65 31.9 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 18.218 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

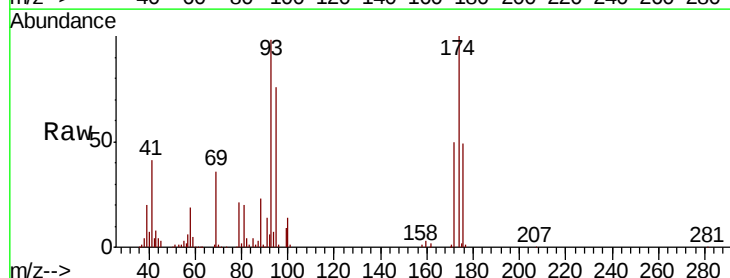
Tgt Ion: 93 Resp: 67462

Ion Ratio Lower Upper

93 100

95 82.1 66.4 99.6

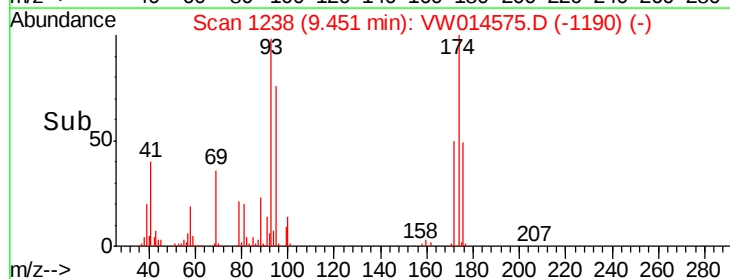
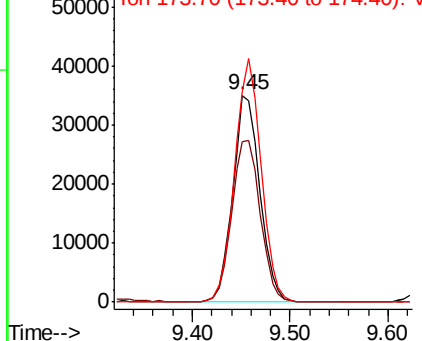
174 115.3 89.1 133.7

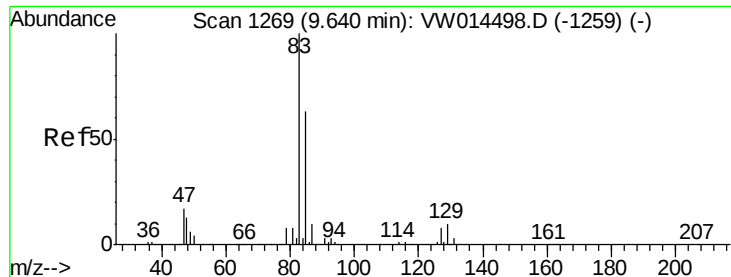


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

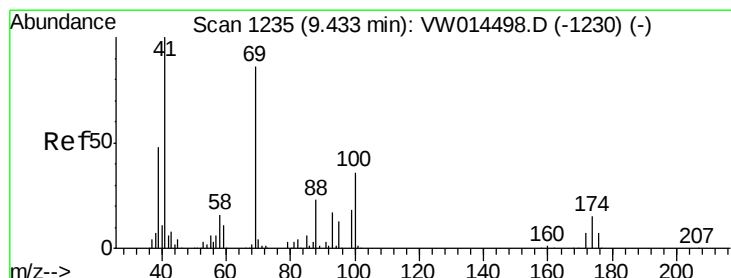
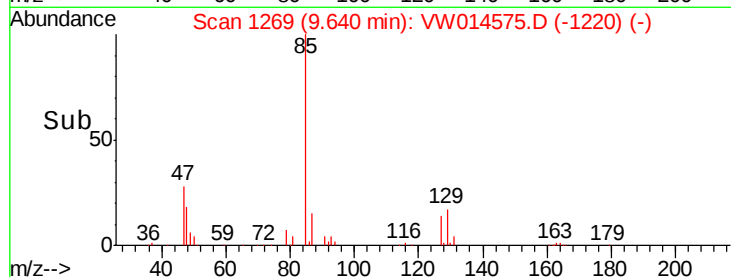
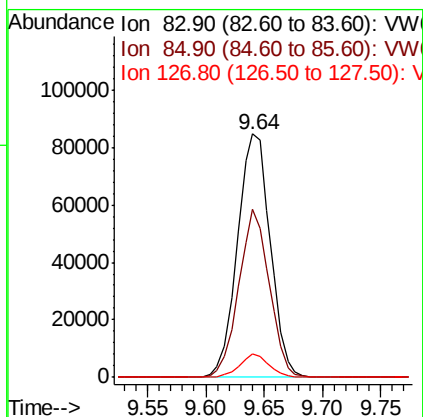
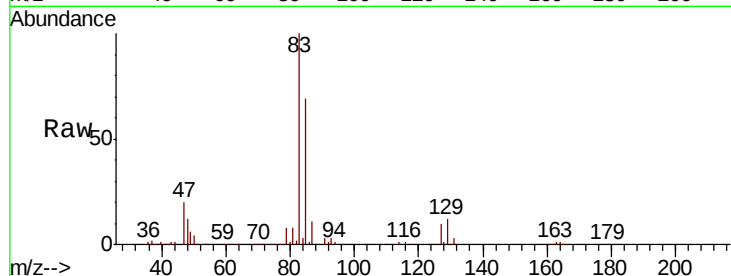




#47
Bromodichloromethane
Concen: 18.177 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

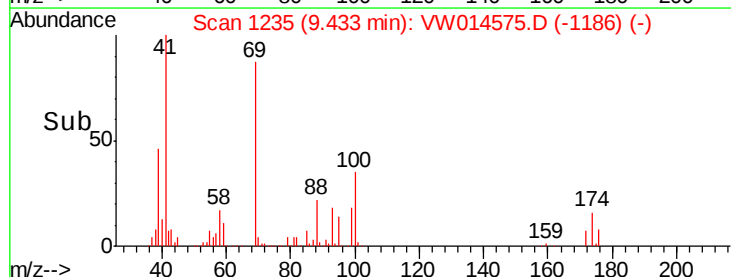
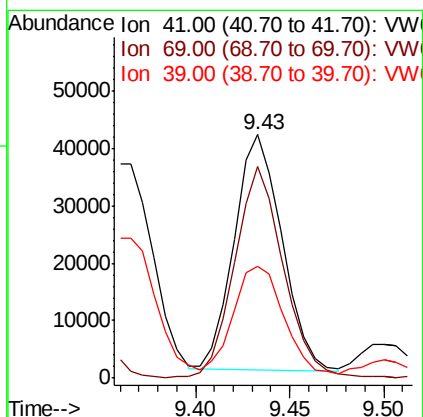
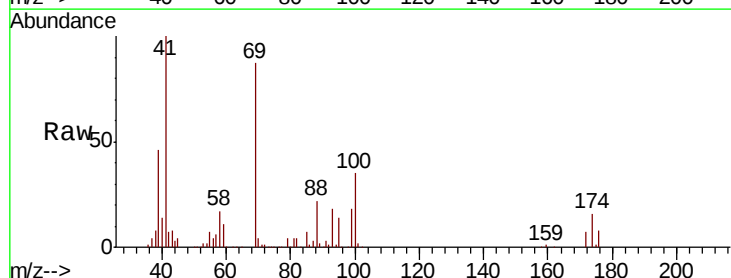
Instrument :
MSVOA_W
ClientSampled :

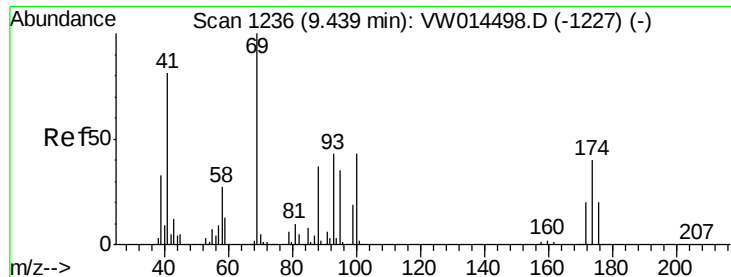
Tot Ion: 83 Resp: 166182
Ion Ratio Lower Upper
83 100
85 69.1 50.6 76.0
127 9.6 6.6 9.8



#48
Methyl methacrylate
Concen: 16.559 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 41 Resp: 71934
Ion Ratio Lower Upper
41 100
69 91.5 68.3 102.5
39 47.9 36.8 55.2

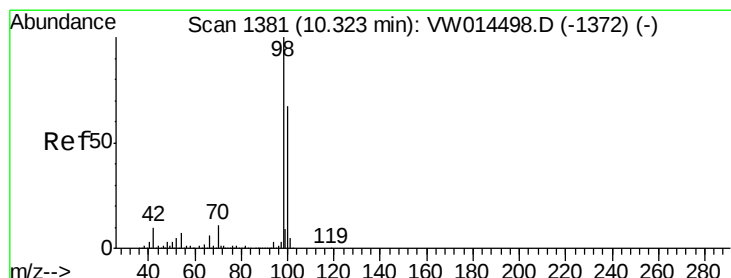
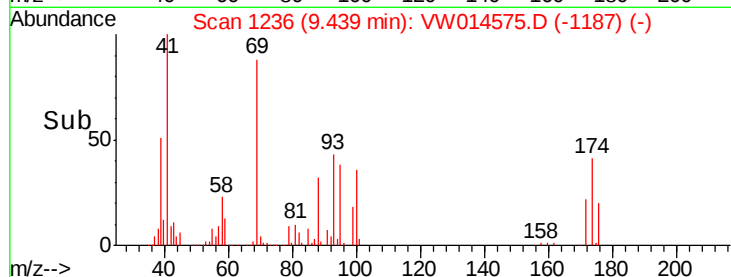
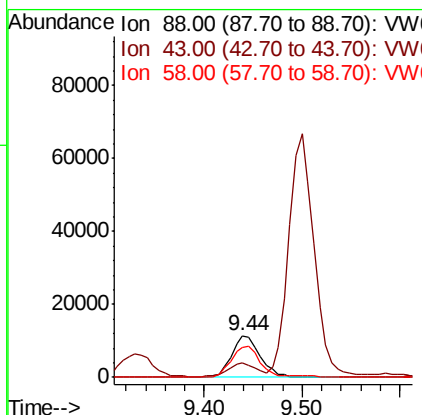
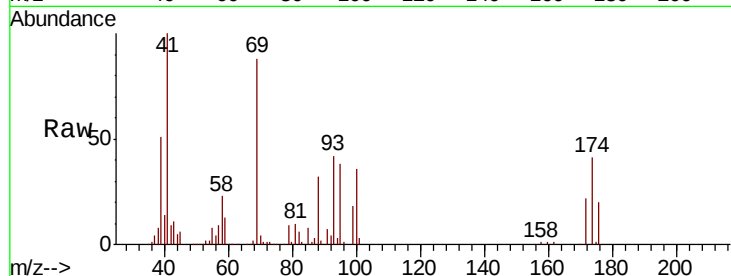




#49
1,4-Dioxane
Concen: 338.138 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

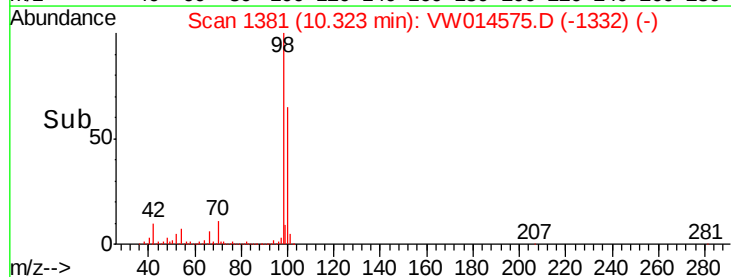
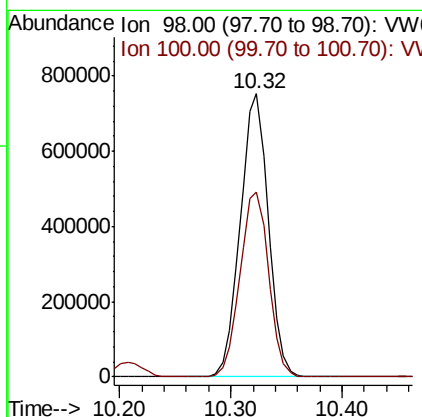
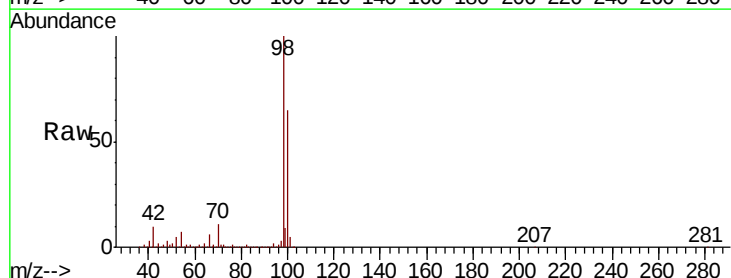
Instrument :
MSVOA_W
ClientSampleId :

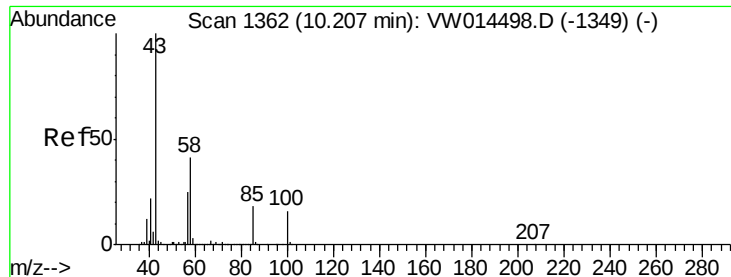
Tot Ion: 88 Resp: 23419
Ion Ratio Lower Upper
88 100
43 32.0 24.9 37.3
58 74.7 56.9 85.3



#50
Toluene-d8
Concen: 49.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 98 Resp: 1312859
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 90.120 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

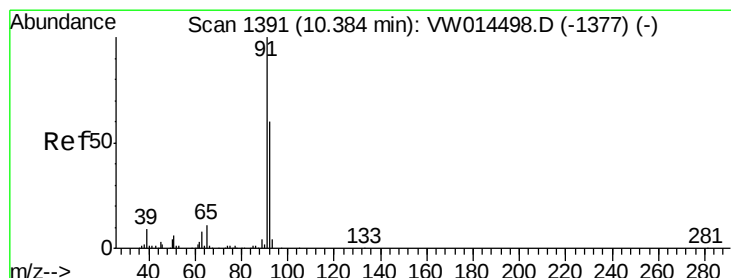
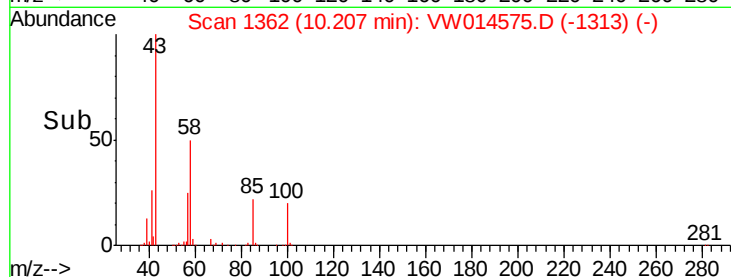
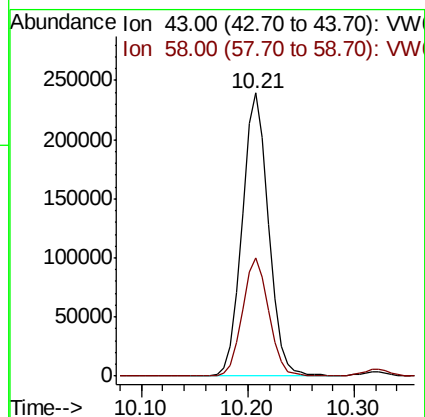
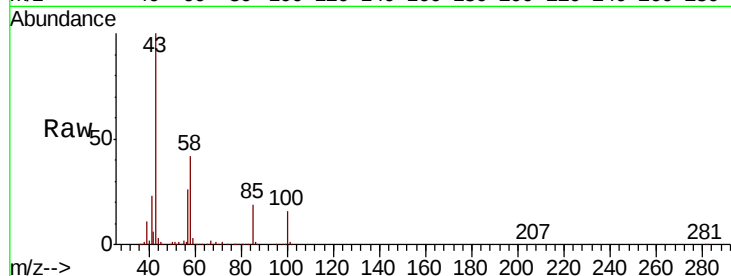
ClientSampled :

Tot Ion: 43 Resp: 416399

Ion Ratio Lower Upper

43 100

58 41.8 32.7 49.1



#52

Toluene

Concen: 18.797 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014575.D

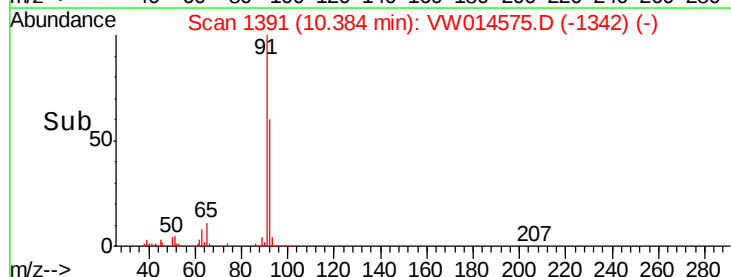
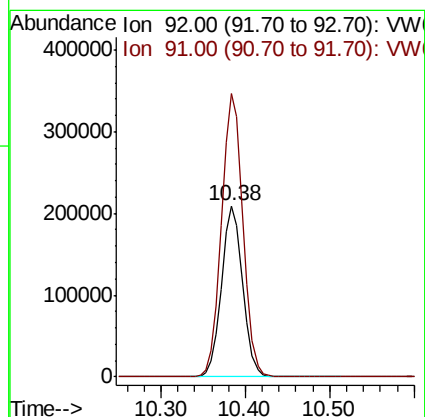
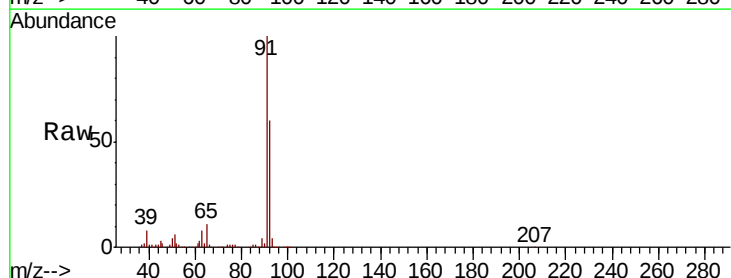
Acq: 09 Jan 2020 12:06

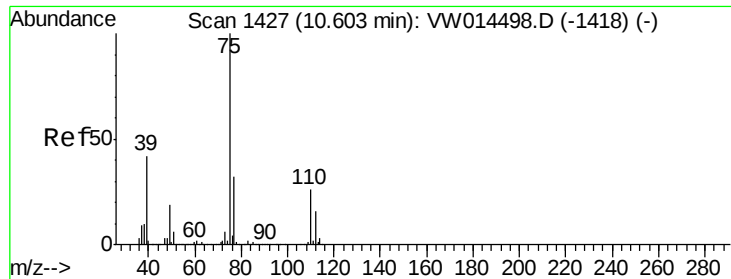
Tgt Ion: 92 Resp: 361474

Ion Ratio Lower Upper

92 100

91 167.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 18.105 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

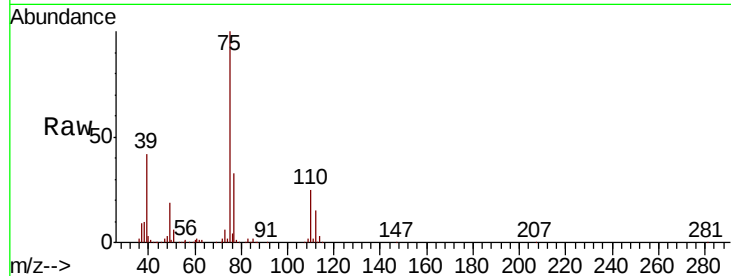
ClientSampled :

Tot Ion: 75 Resp: 171381

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

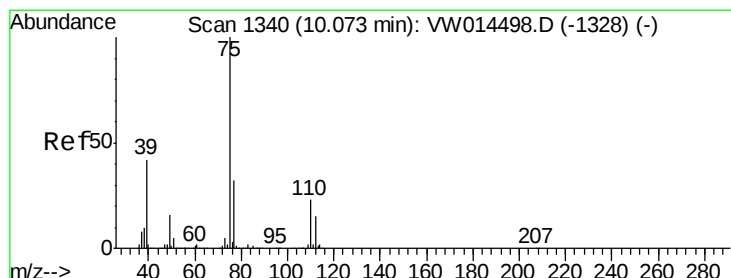
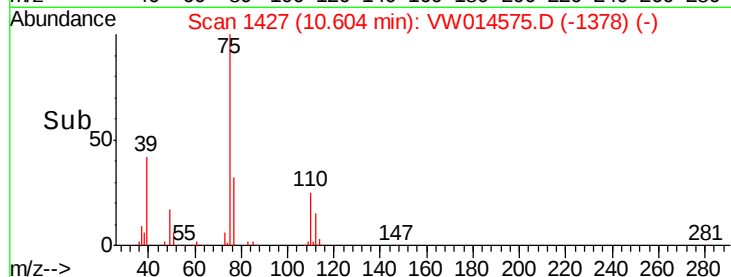
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.465 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

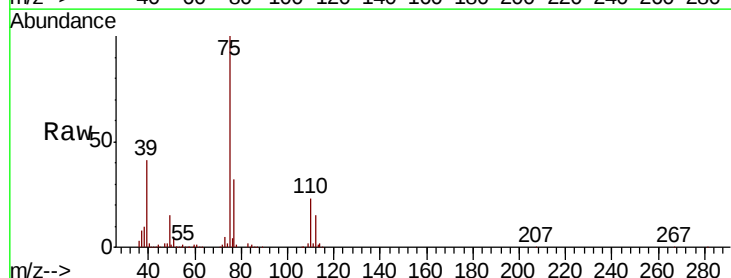
Tgt Ion: 75 Resp: 213616

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 41.0 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

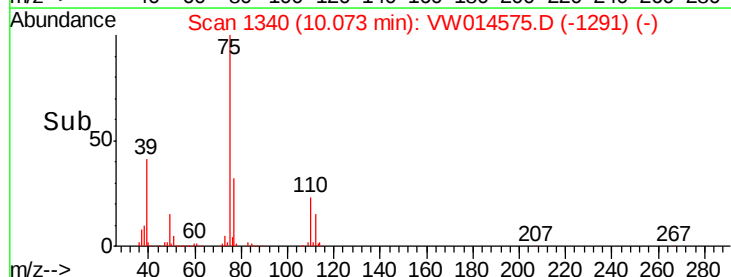
150000

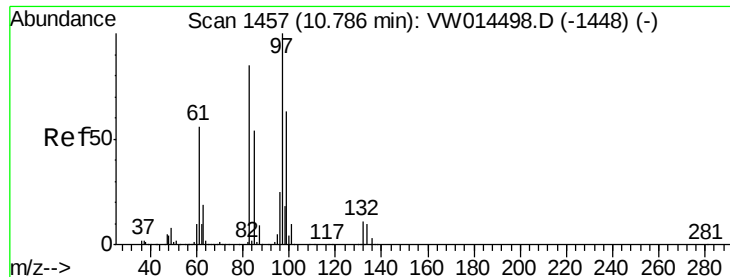
100000

50000

0

Time-->

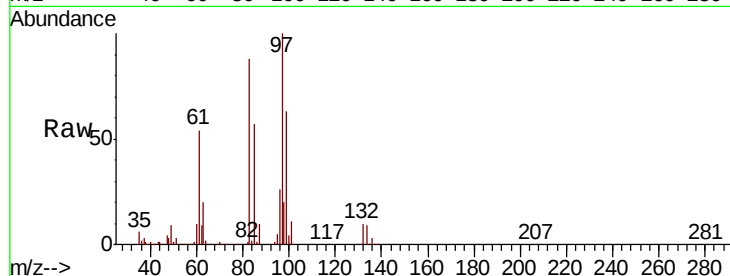




#55
 1,1,2-Trichloroethane
 Concen: 18.475 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	99916
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.2	102.4
85	56.5	43.0	64.4
99	62.8	50.1	75.1



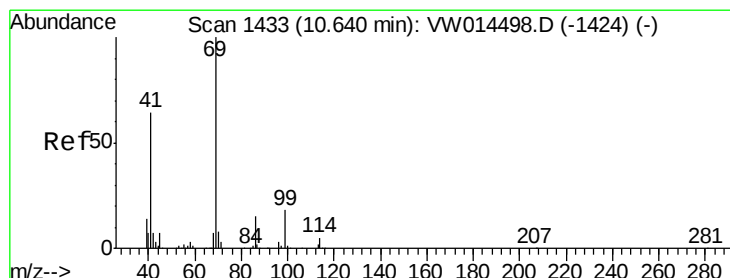
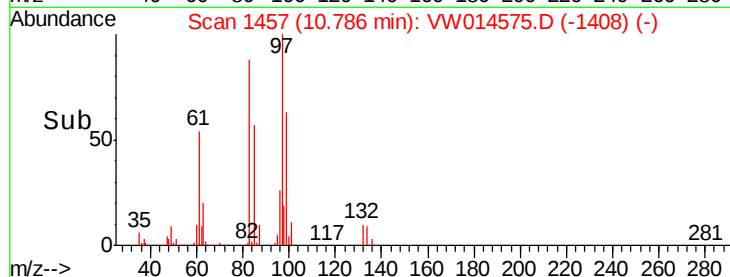
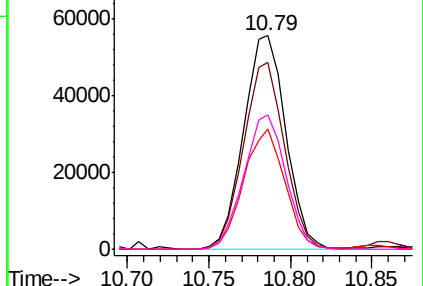
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

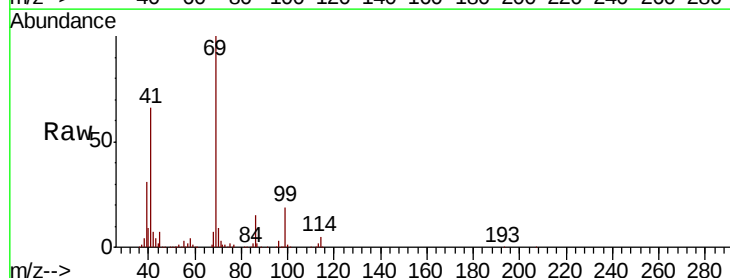
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 18.182 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion:	69	Resp:	127790
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.3	76.9
39	26.6	21.0	31.6

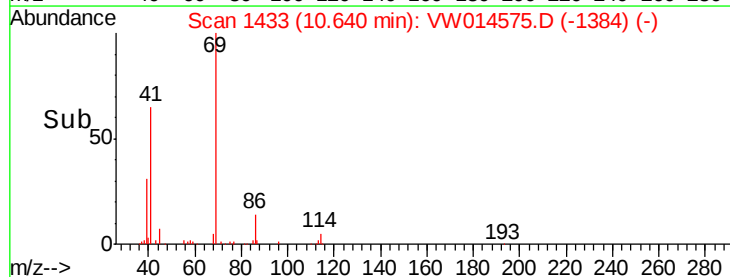
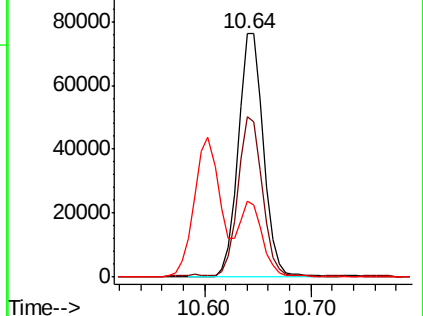


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

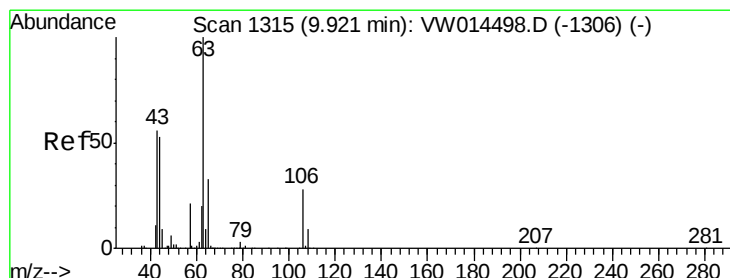
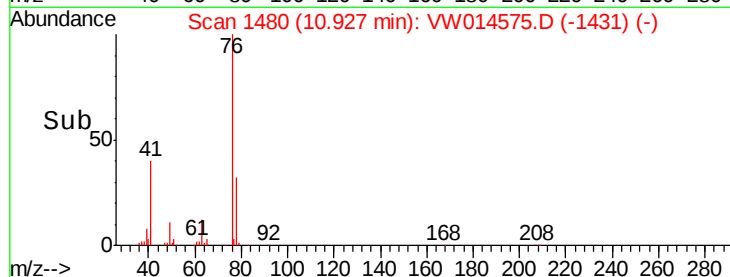
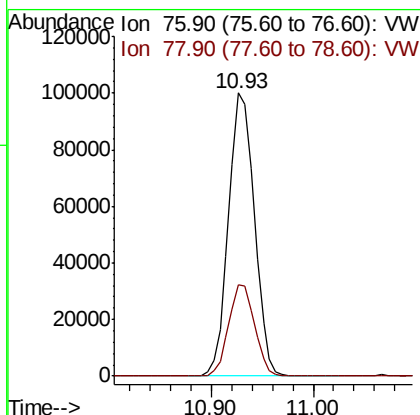
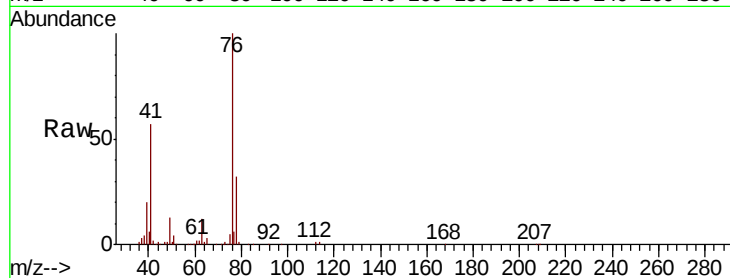




#57
 1,3-Dichloropropane
 Concen: 18.461 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

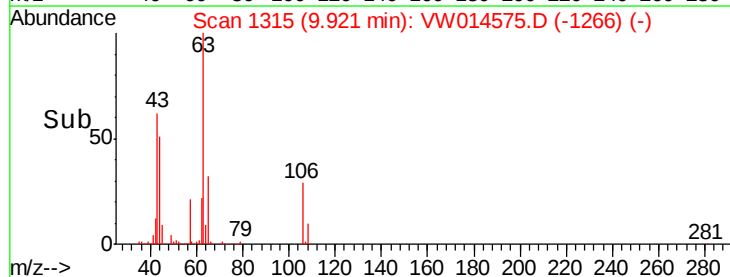
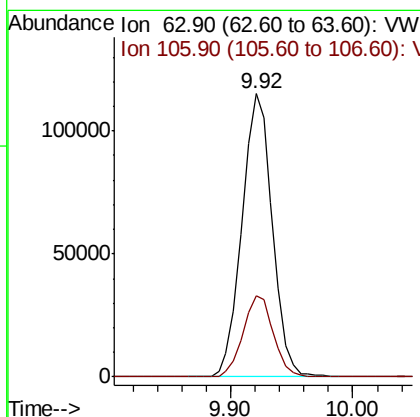
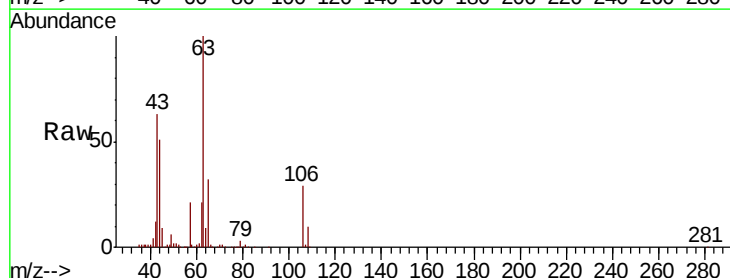
Instrument :
 MSVOA_W
 ClientSampled :

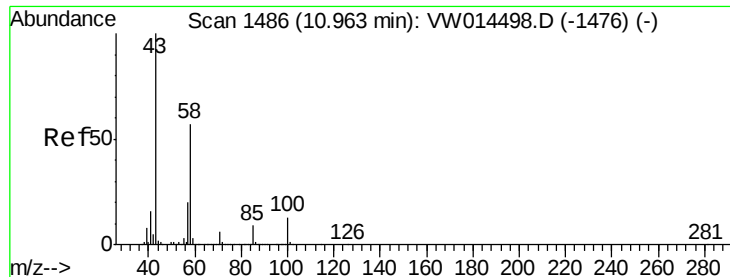
Tot Ion: 76 Resp: 175472
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.495 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 63 Resp: 197715
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.6

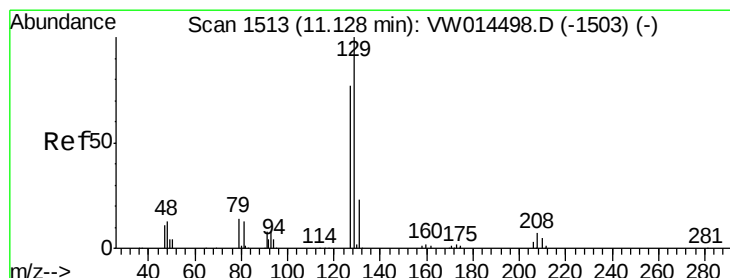
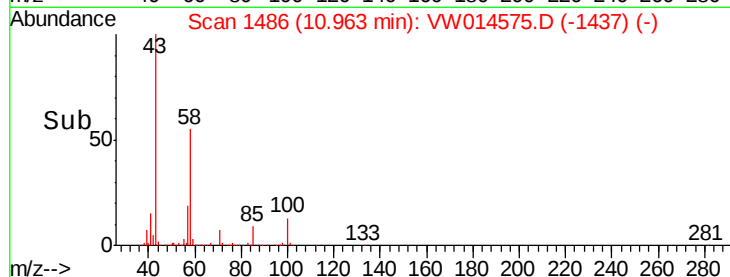
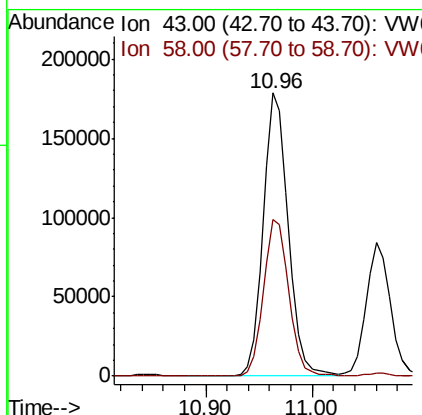
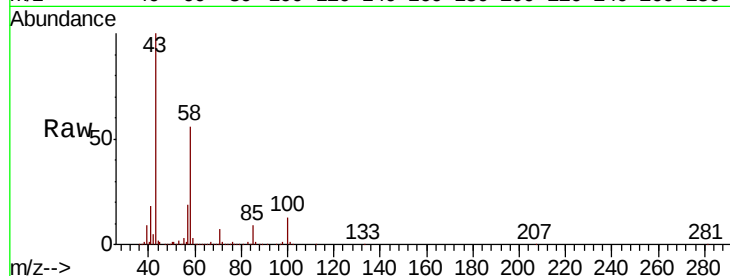




#59
2-Hexanone
Concen: 92.208 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

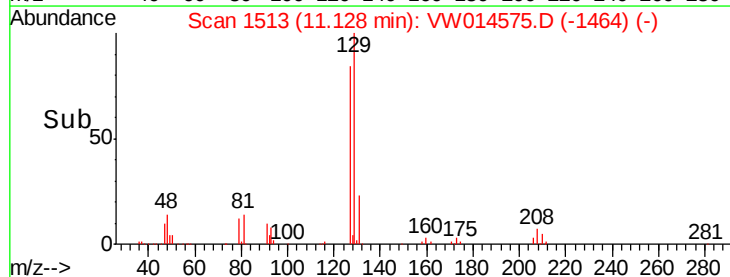
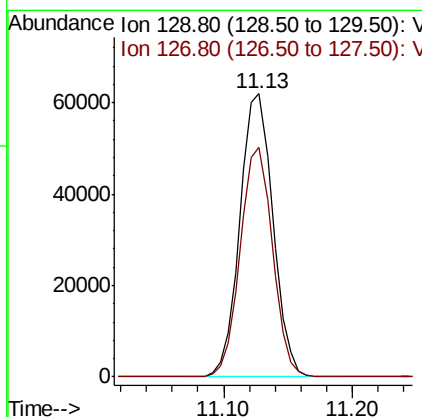
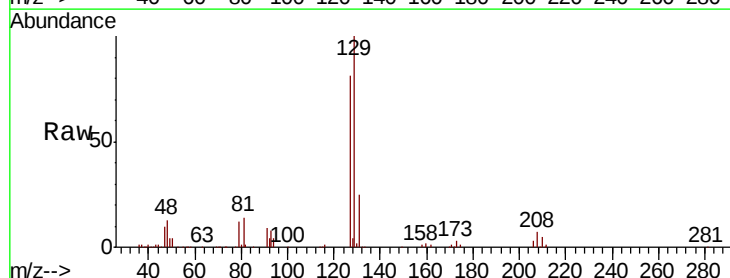
Instrument :
MSVOA_W
ClientSampled :

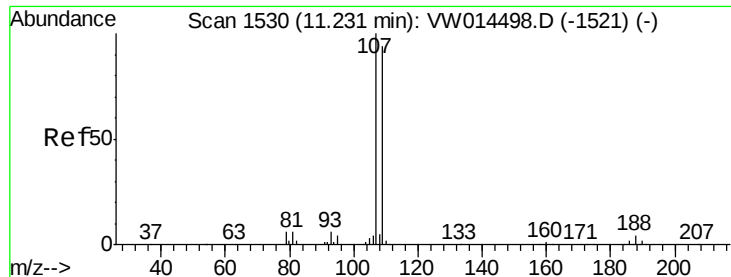
Tot Ion: 43 Resp: 293583
Ion Ratio Lower Upper
43 100
58 56.2 28.7 86.3



#60
Dibromochloromethane
Concen: 18.019 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 129 Resp: 109951
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.152 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

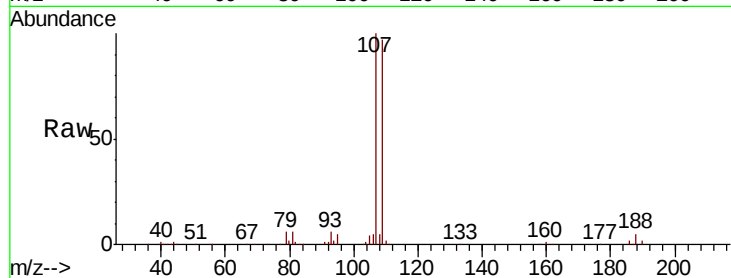
ClientSampleId :

Tot Ion:107 Resp: 93185

Ion Ratio Lower Upper

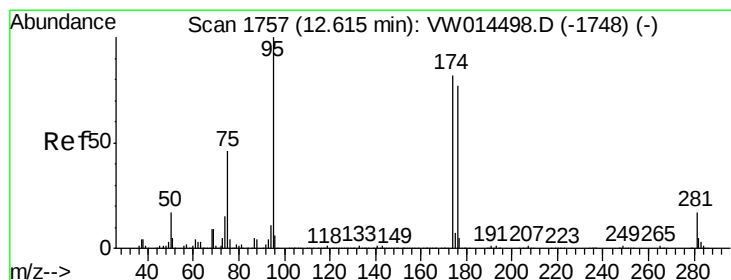
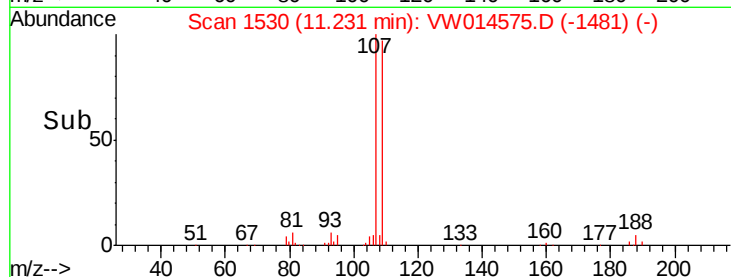
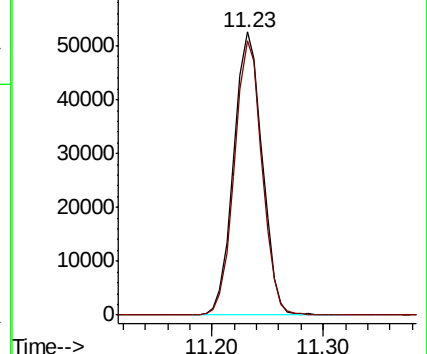
107 100

109 94.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.528 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

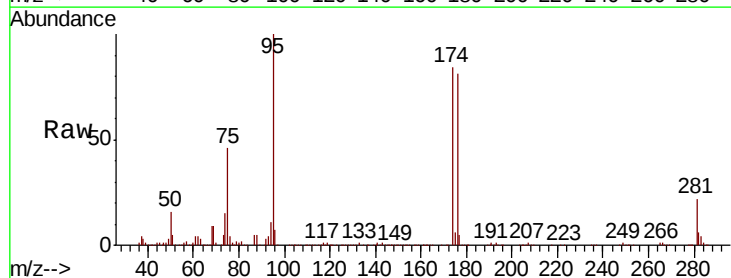
Tgt Ion: 95 Resp: 449027

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.6

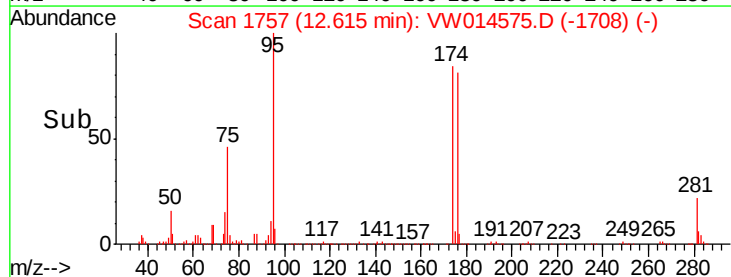
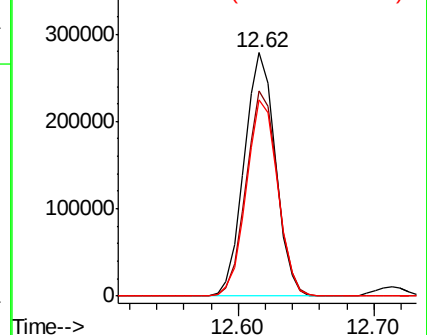
176 81.2 0.0 162.0

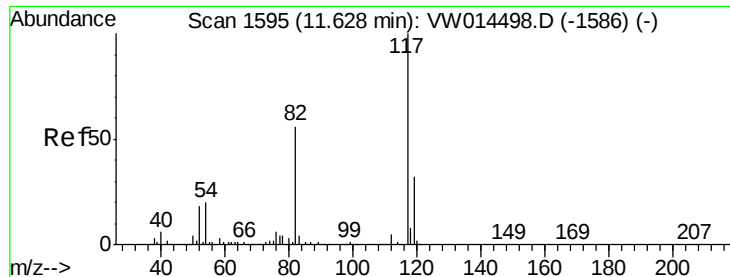


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

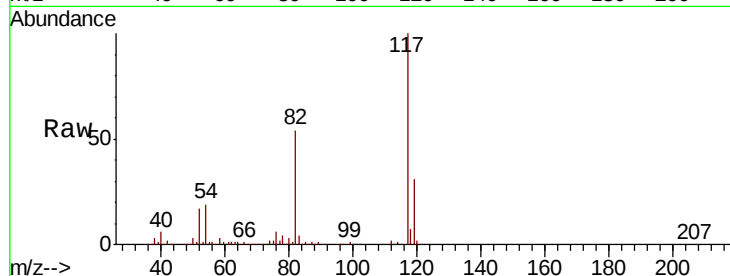
Tot Ion:117 Resp: 965531

Ion Ratio Lower Upper

117 100

82 54.2 44.6 67.0

119 30.9 25.7 38.5

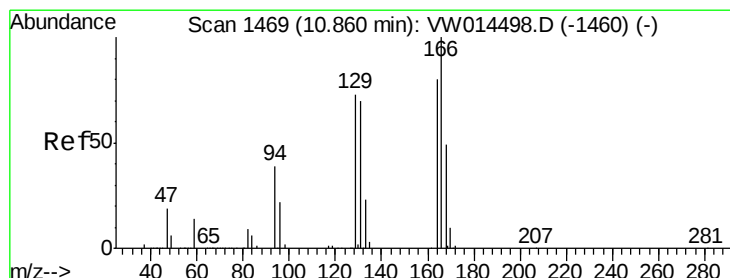
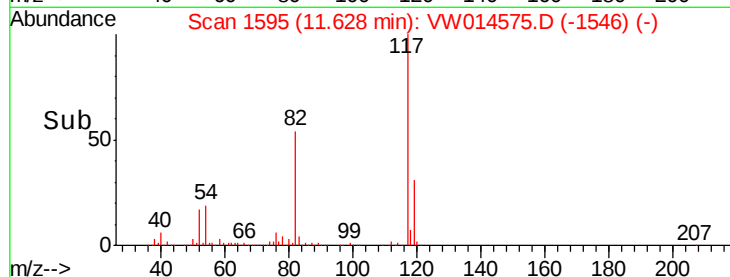
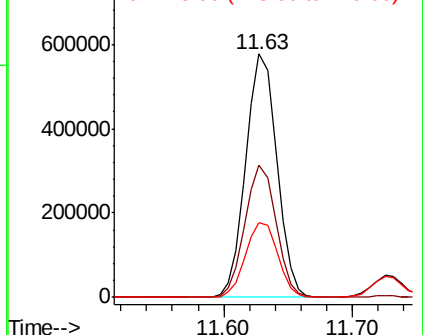


Abundance

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: 19.369 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Tgt Ion:164 Resp: 135389

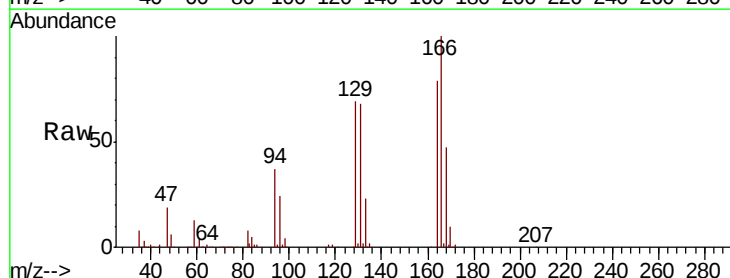
Ion Ratio Lower Upper

164 100

166 125.9 99.8 149.6

129 87.4 72.4 108.6

131 85.4 70.1 105.1



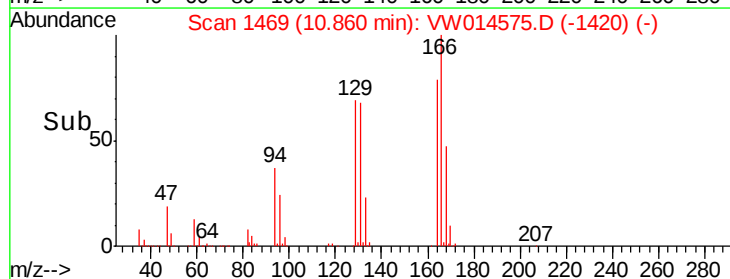
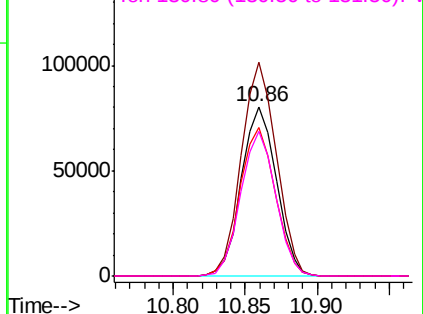
Abundance

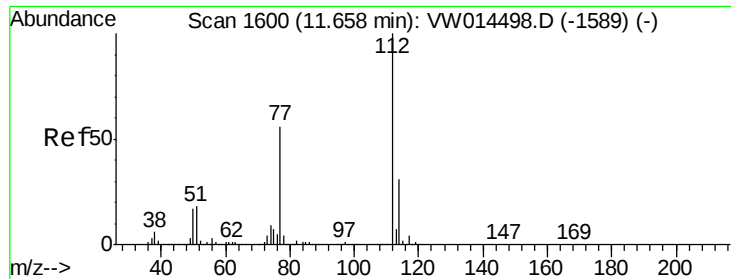
Ion 163.80 (163.50 to 164.50): V

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

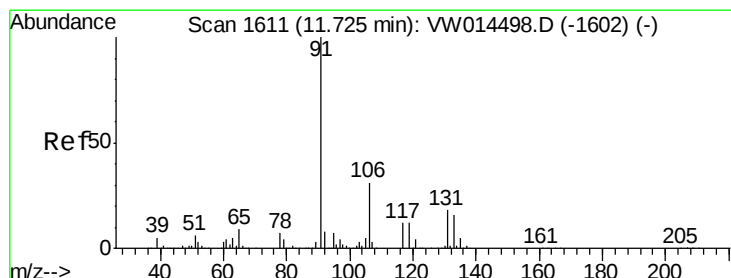
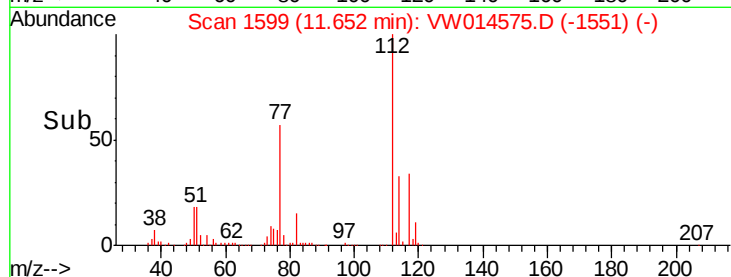
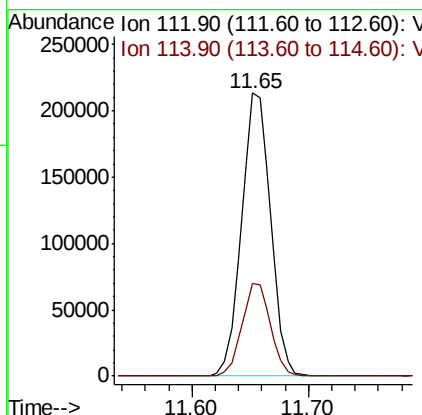
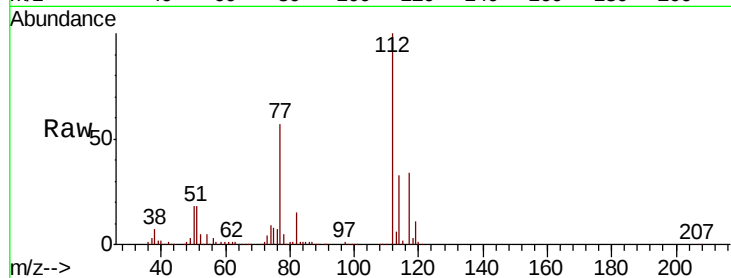




#65
Chlorobenzene
Concen: 18.788 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

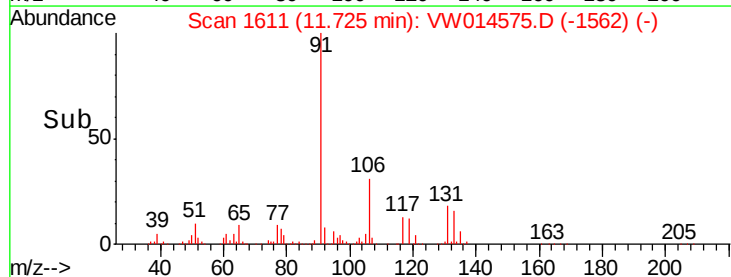
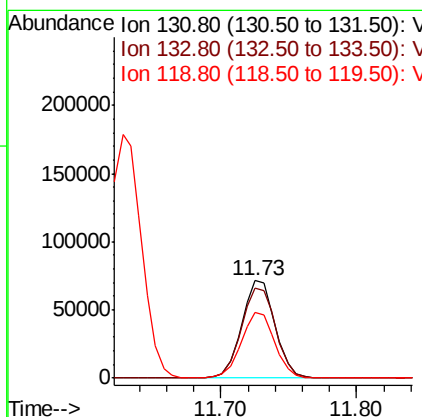
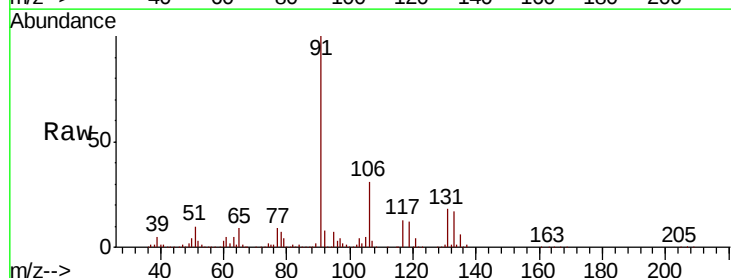
Instrument :
MSVOA_W
ClientSampleId :

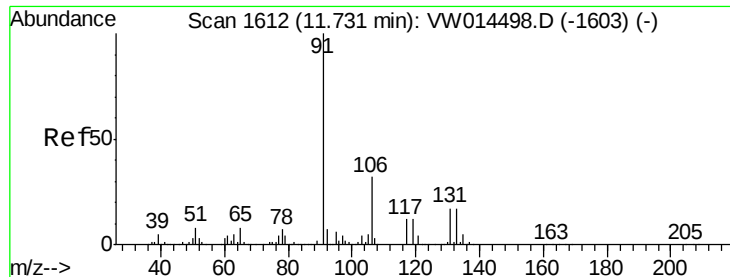
Tot Ion:112 Resp: 371639
Ion Ratio Lower Upper
112 100
114 32.6 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.340 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion:131 Resp: 122149
Ion Ratio Lower Upper
131 100
133 95.3 47.3 142.0
119 67.6 33.1 99.3

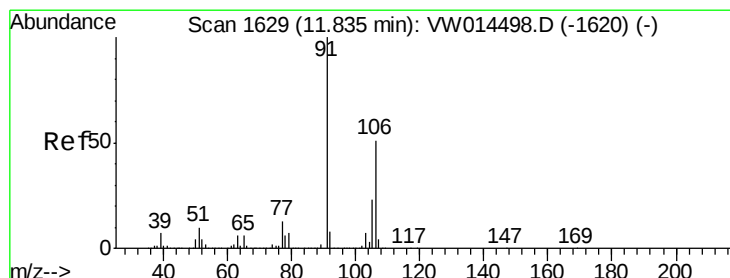
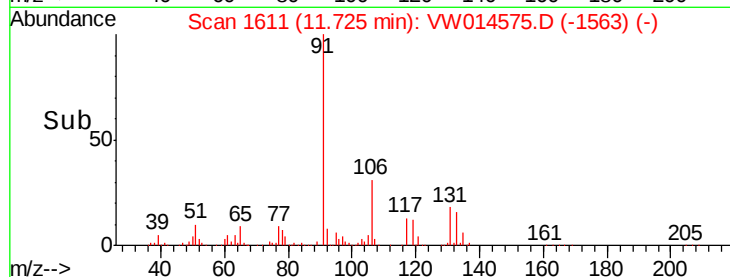
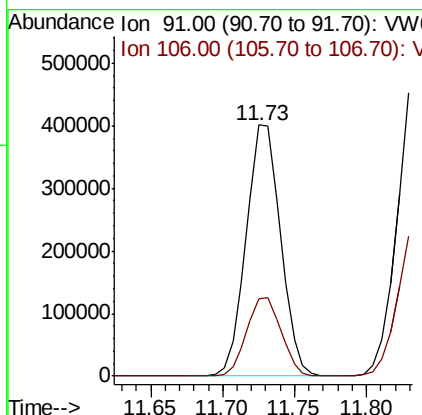
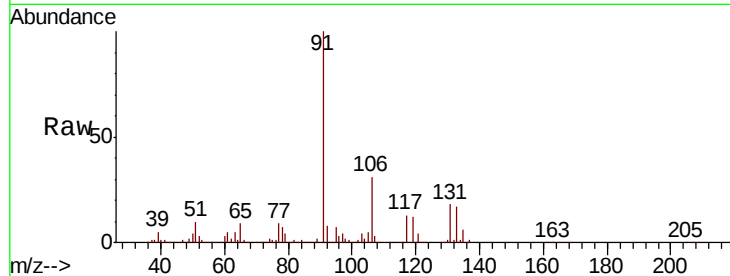




#67
Ethyl Benzene
Concen: 18.627 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

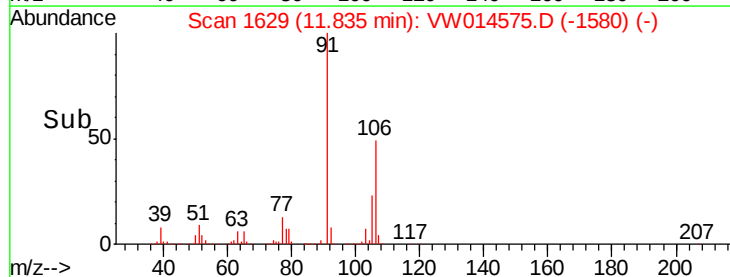
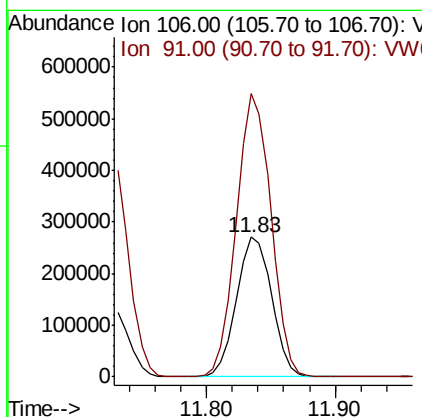
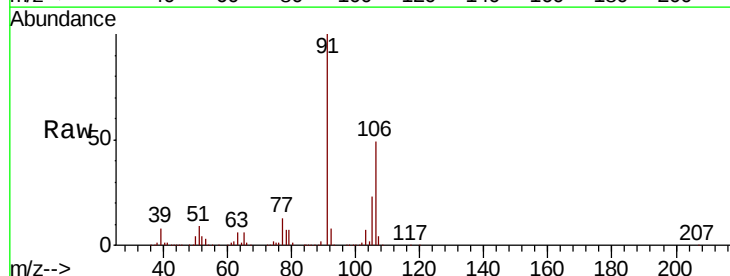
Instrument :
MSVOA_W
ClientSampled :

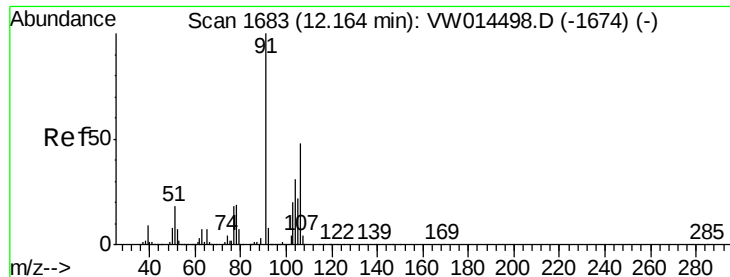
Tot Ion: 91 Resp: 664013
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 37.544 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 106 Resp: 512227
Ion Ratio Lower Upper
106 100
91 199.4 159.0 238.6

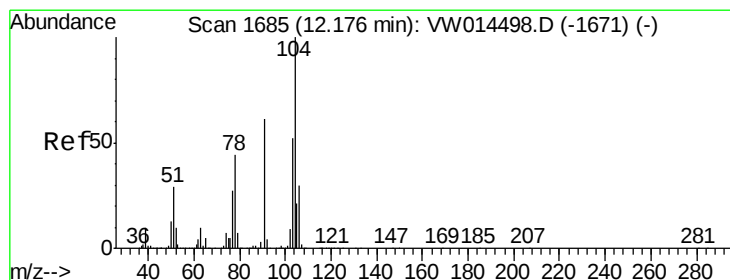
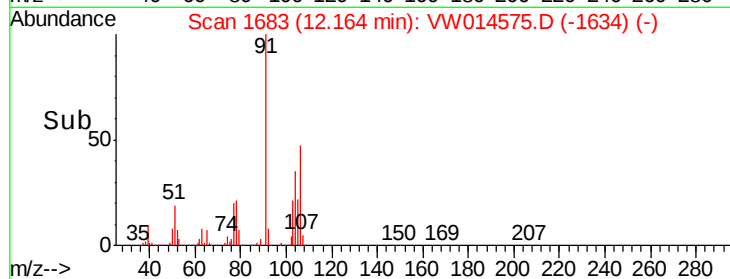
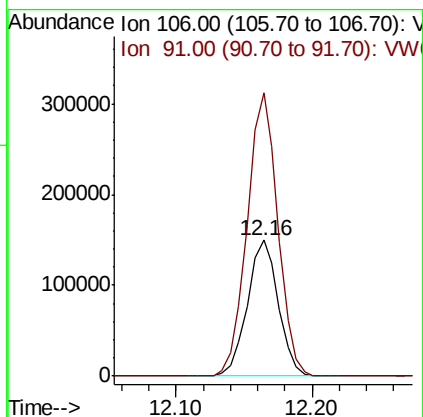
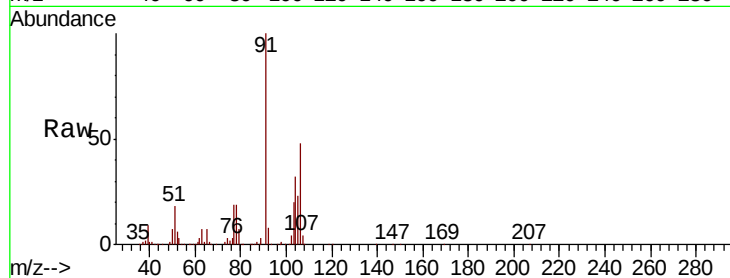




#69
o-Xylene
Concen: 18.897 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

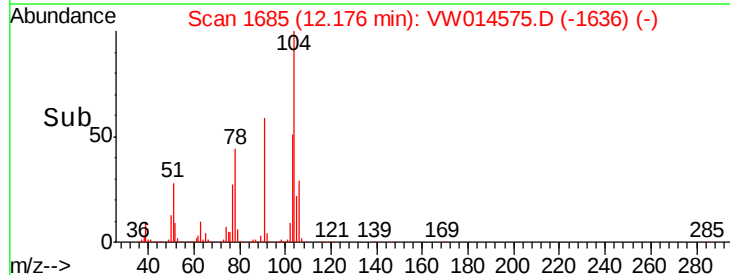
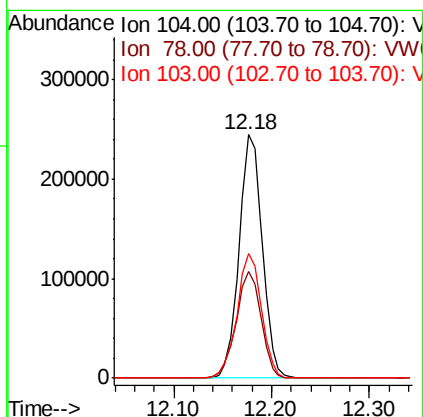
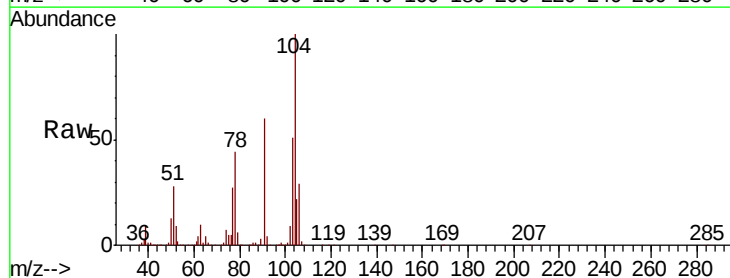
Instrument :
MSVOA_W
ClientSampleId :

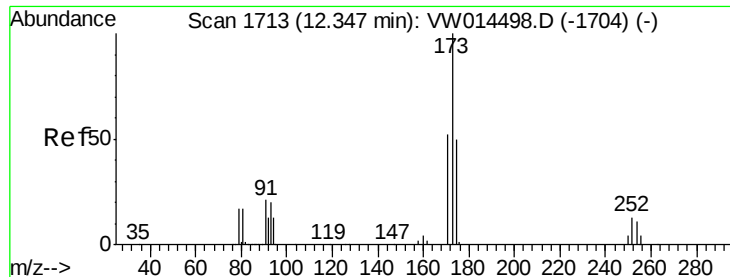
Tot Ion:106 Resp: 238154
Ion Ratio Lower Upper
106 100
91 207.2 105.2 315.6



#70
Styrene
Concen: 18.934 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion:104 Resp: 403591
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 54.3 43.7 65.5

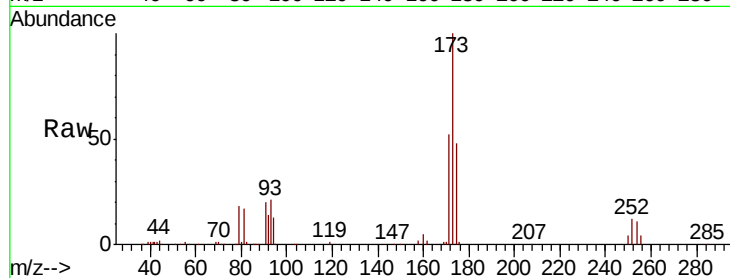




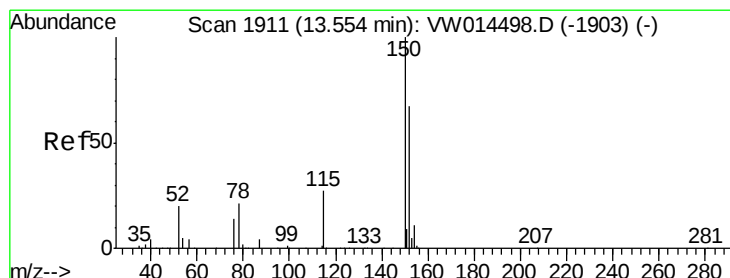
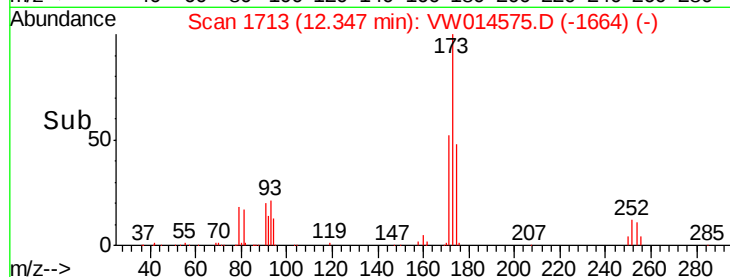
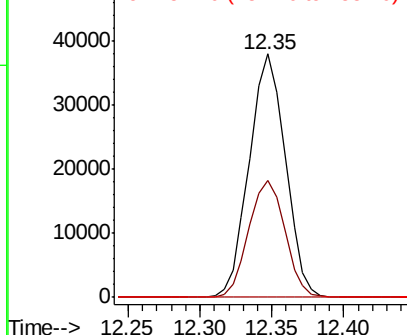
#71
Bromoform
Concen: 18.153 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 65946
Ion Ratio Lower Upper
173 100
175 48.1 24.5 73.5
254 0.0 0.0 0.0

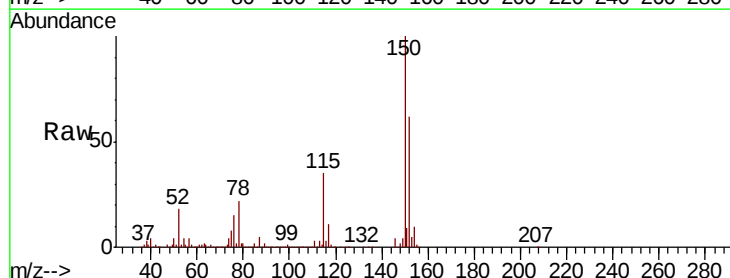


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

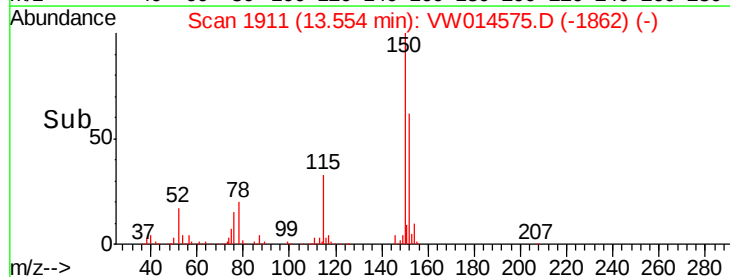
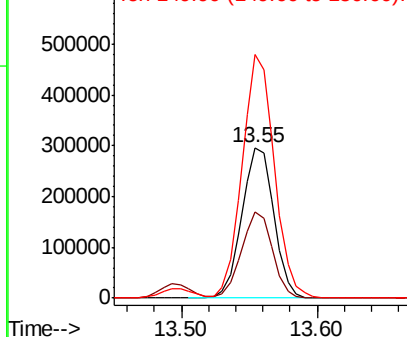


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion:152 Resp: 486019
Ion Ratio Lower Upper
152 100
115 55.6 27.7 83.1
150 163.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 18.324 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

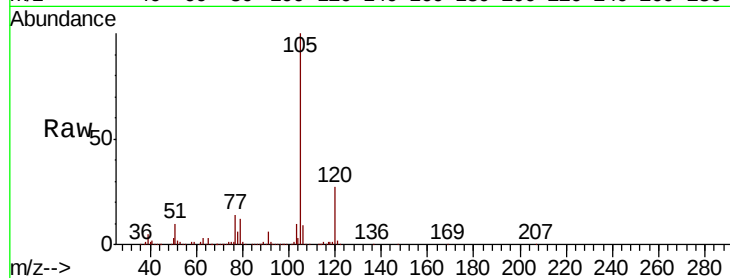
ClientSampleId :

Tot Ion:105 Resp: 653479

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

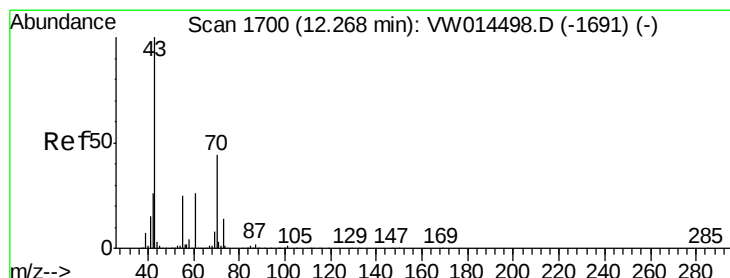
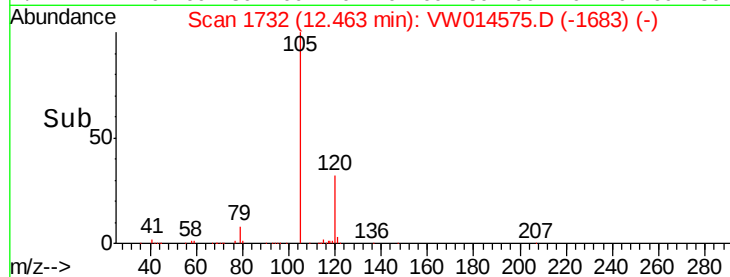
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.862 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Tgt Ion: 43 Resp: 142824

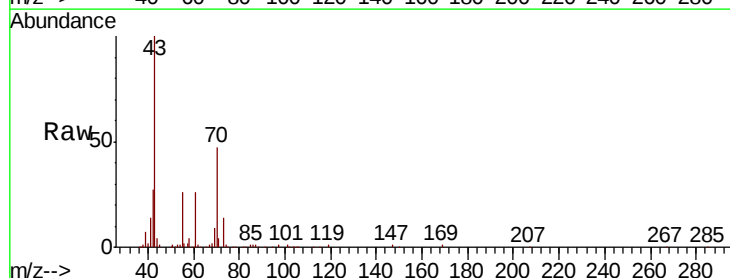
Ion Ratio Lower Upper

43 100

70 45.9 36.5 54.7

55 26.8 20.9 31.3

61 25.4 20.7 31.1



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

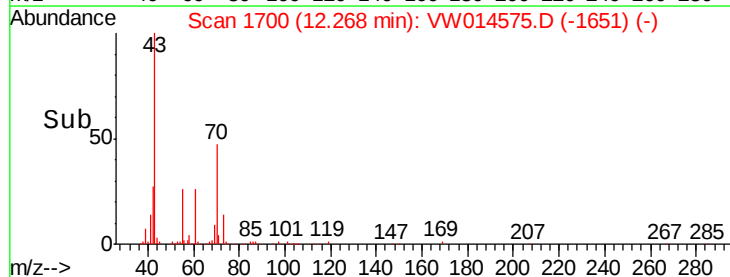
12.27

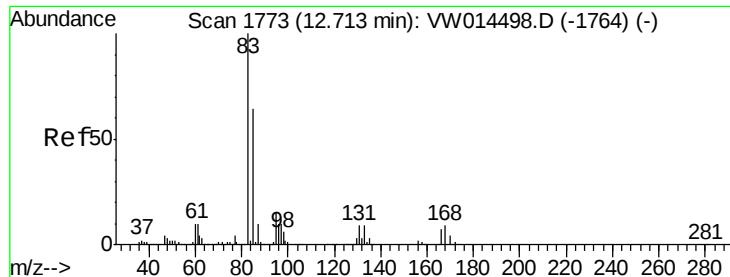
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.962 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

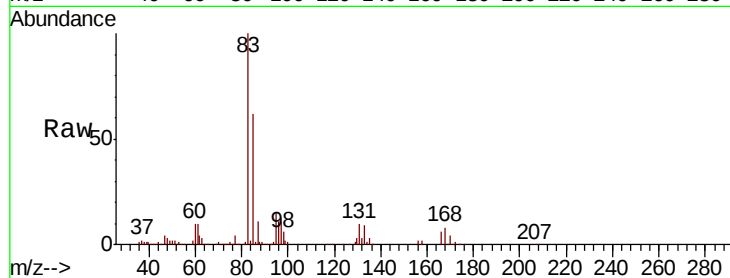
Tot Ion: 83 Resp: 115620

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

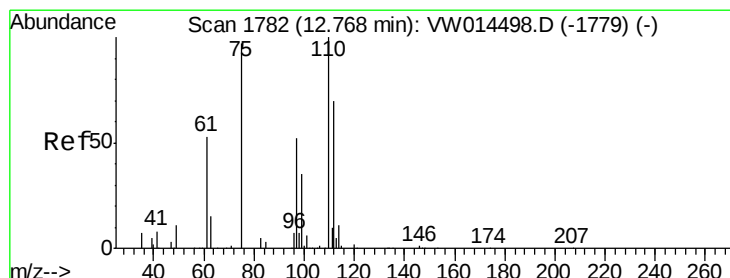
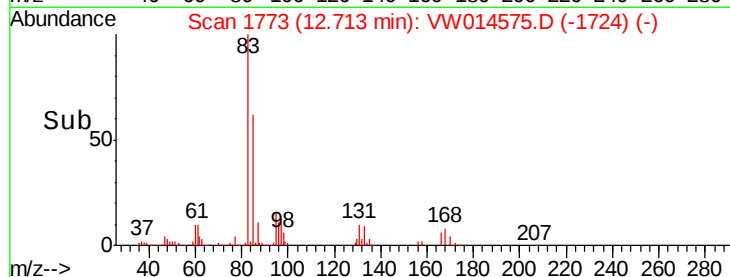
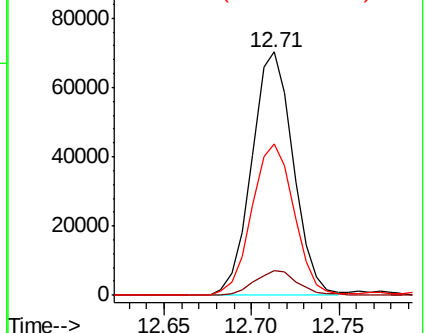
85 63.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 31.667 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014575.D

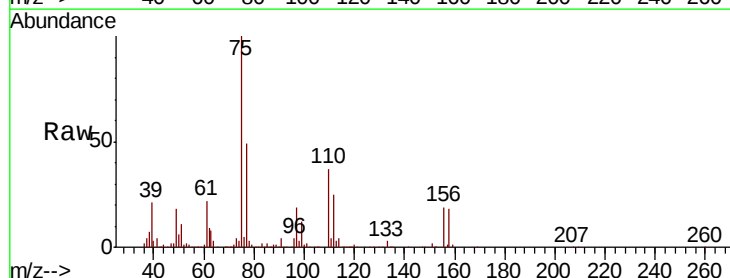
Acq: 09 Jan 2020 12:06

Tgt Ion: 75 Resp: 145519

Ion Ratio Lower Upper

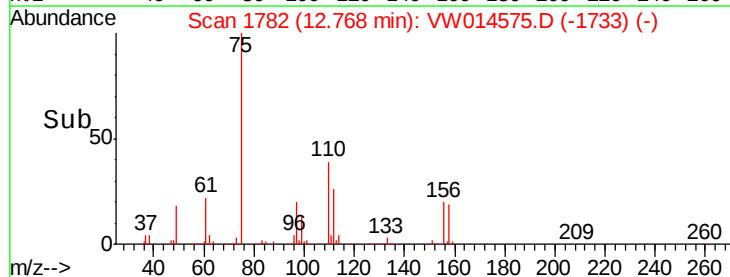
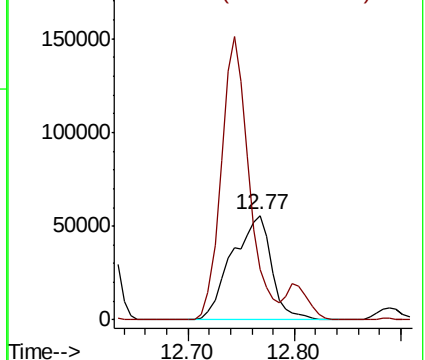
75 100

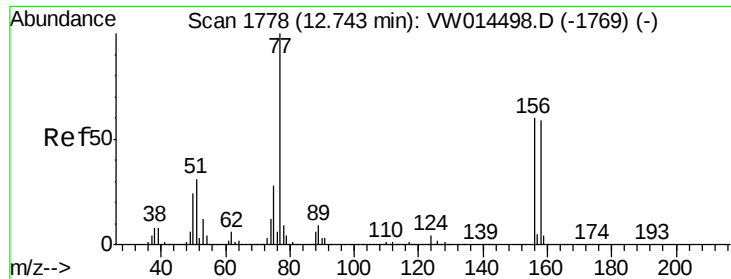
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.771 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

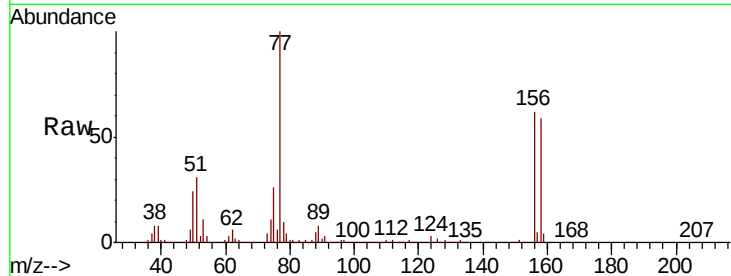
Tot Ion:156 Resp: 155471

Ion Ratio Lower Upper

156 100

77 177.5 92.3 277.1

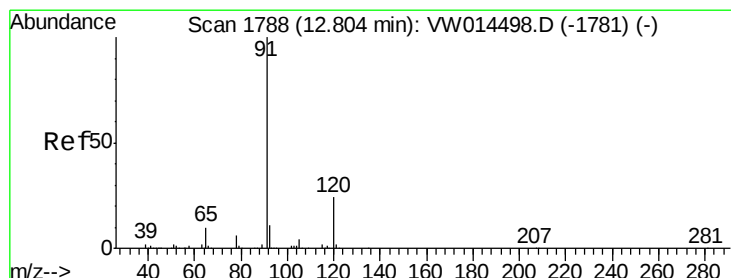
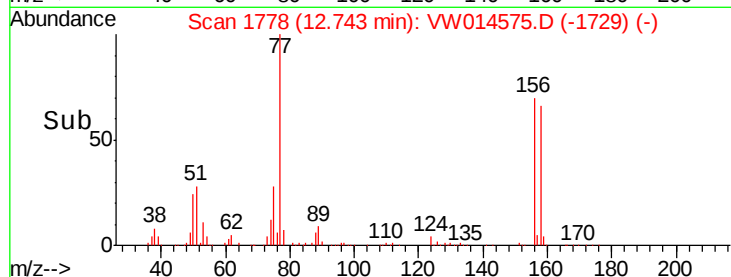
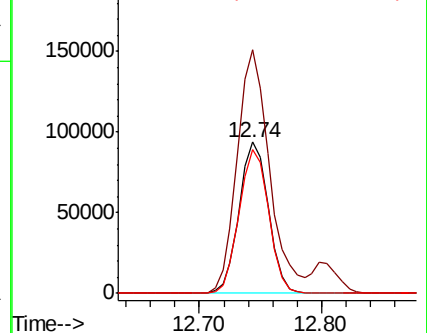
158 95.8 48.6 145.9



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: 18.600 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014575.D

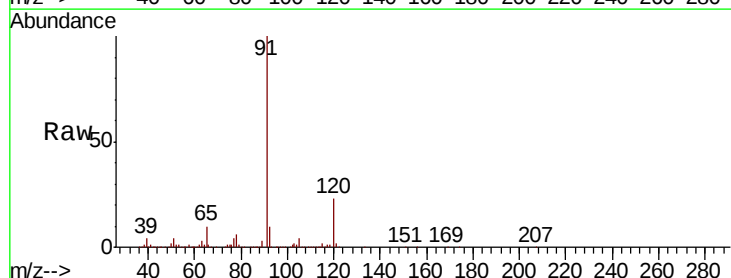
Acq: 09 Jan 2020 12:06

Tgt Ion: 91 Resp: 779969

Ion Ratio Lower Upper

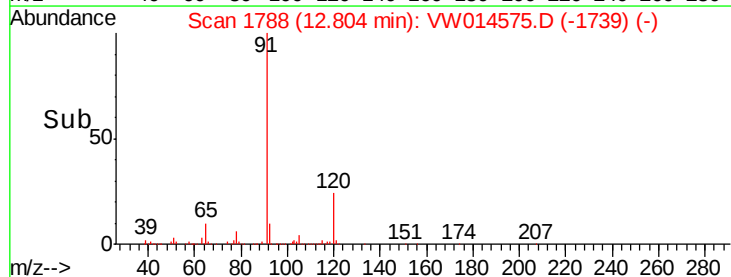
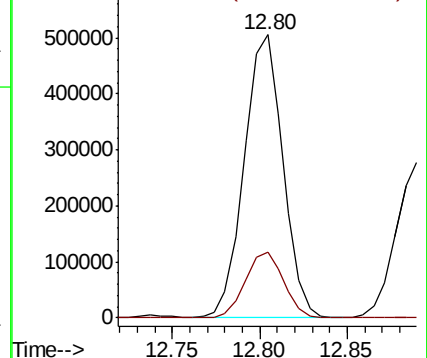
91 100

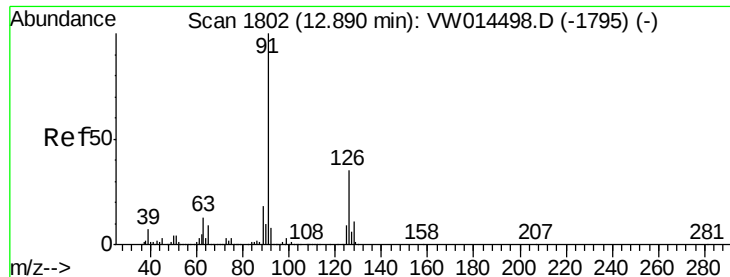
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

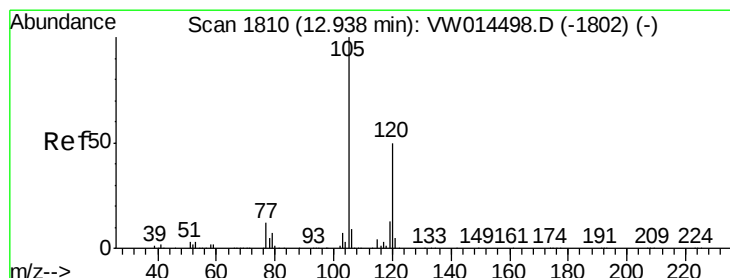
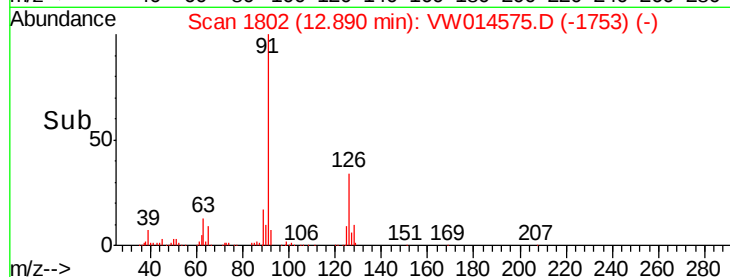
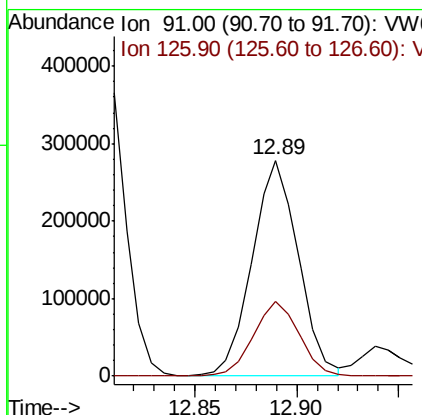
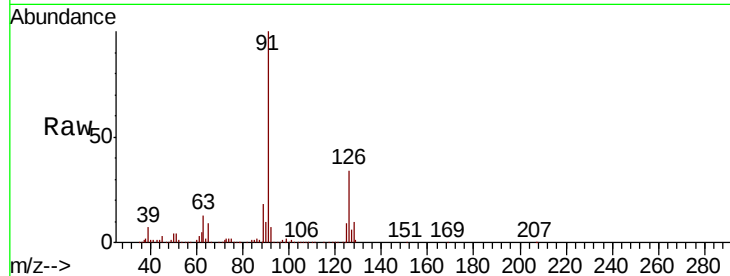




#79
 2-Chlorotoluene
 Concen: 18.281 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

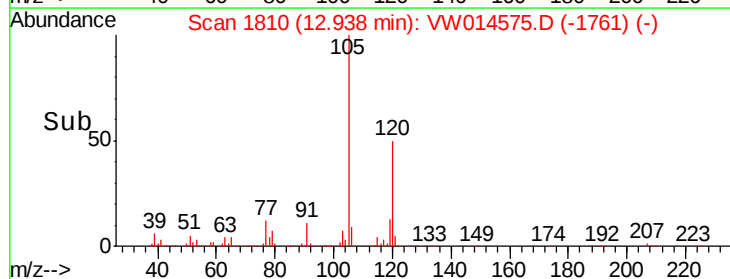
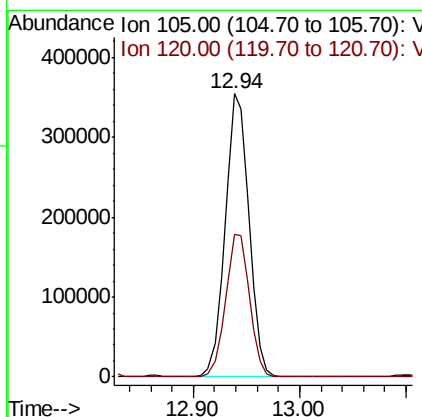
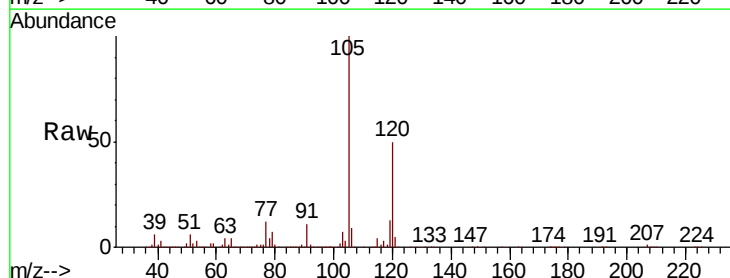
Instrument :
 MSVOA_W
 ClientSampled :

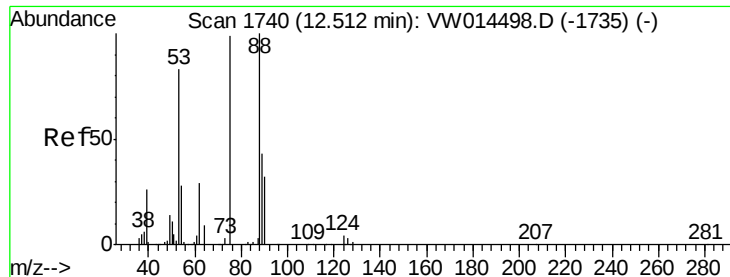
Tot Ion: 91 Resp: 436253
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 18.470 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 105 Resp: 553034
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6

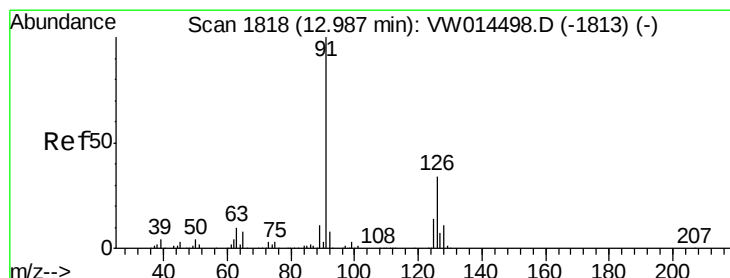
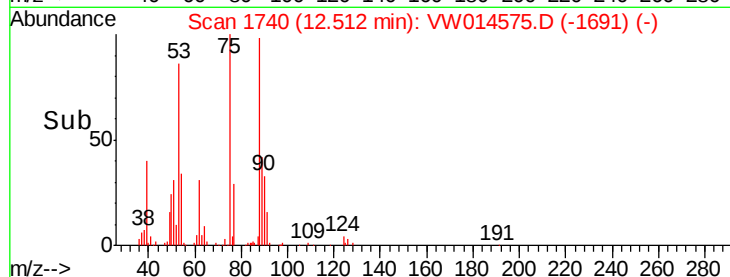
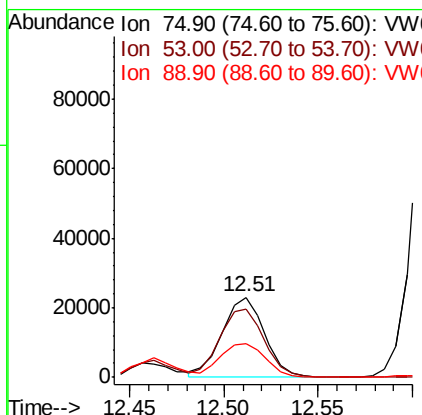
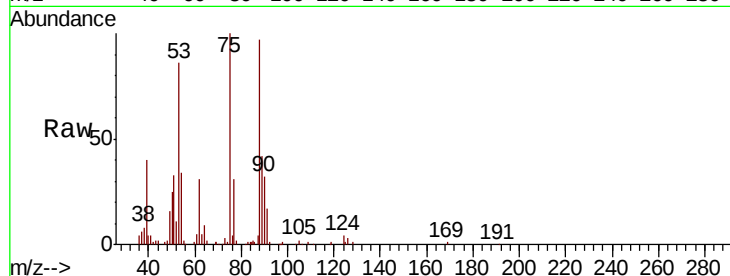




#81
trans-1,4-Dichloro-2-butene
Concen: 17.202 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

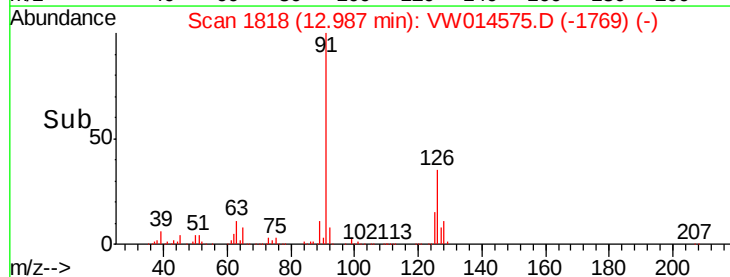
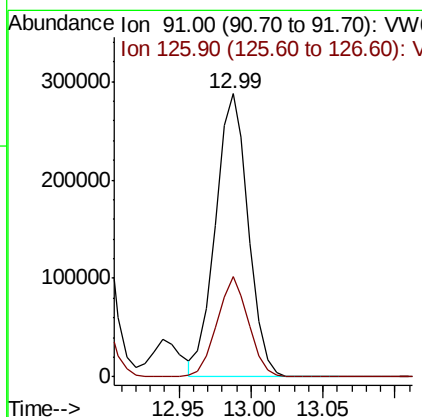
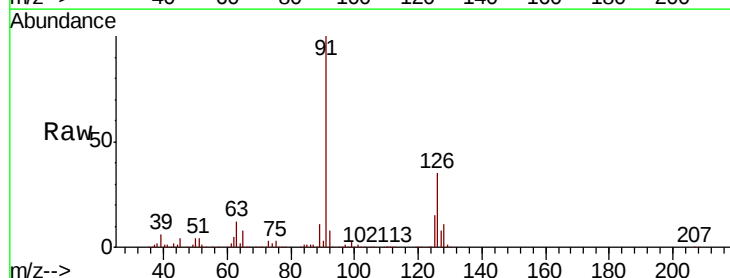
Instrument :
MSVOA_W
ClientSampleId :

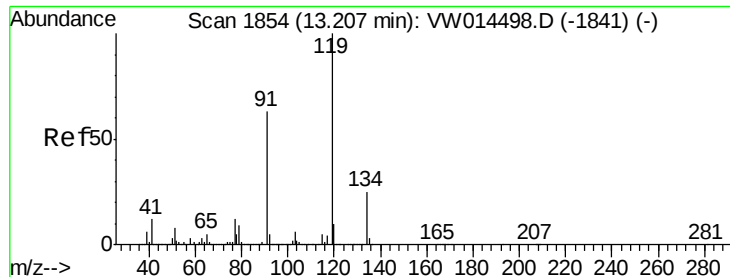
Tot Ion: 75 Resp: 35479
Ion Ratio Lower Upper
75 100
53 91.8 70.9 106.3
89 45.2 35.8 53.8



#82
4-Chlorotoluene
Concen: 18.413 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014575.D
Acq: 09 Jan 2020 12:06

Tgt Ion: 91 Resp: 456528
Ion Ratio Lower Upper
91 100
126 34.3 17.1 51.2





#83

tert-Butylbenzene

Concen: 18.479 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

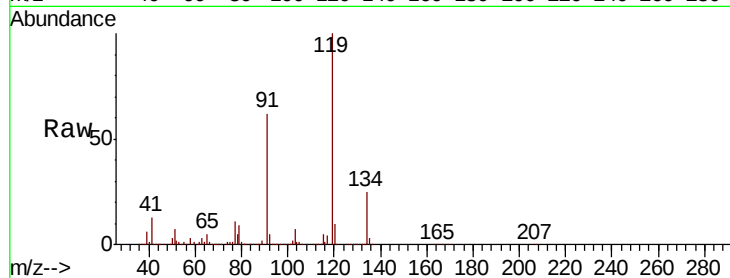
Tot Ion:119 Resp: 484449

Ion Ratio Lower Upper

119 100

91 62.3 31.1 93.3

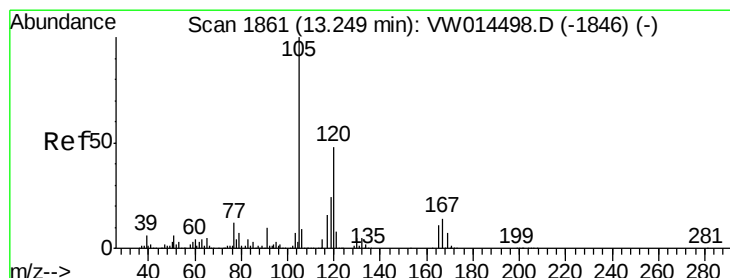
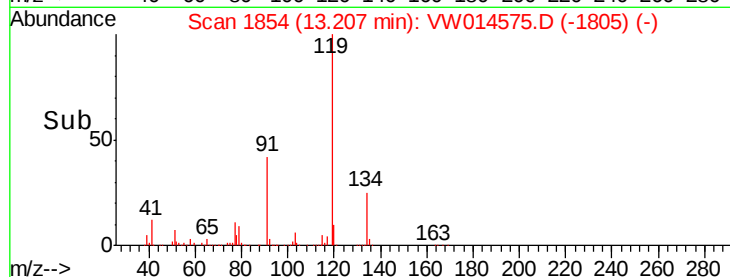
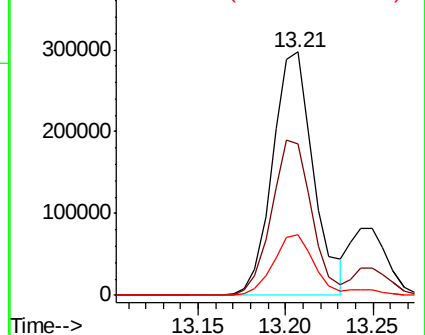
134 24.9 13.5 40.5



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: 18.454 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014575.D

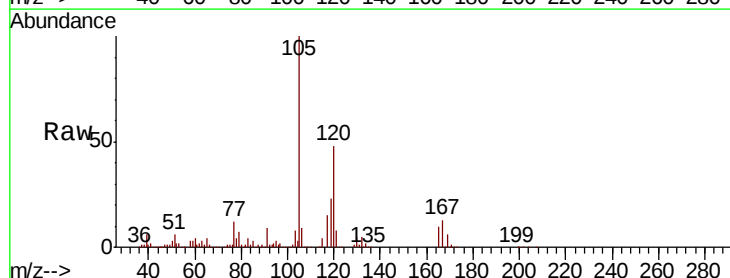
Acq: 09 Jan 2020 12:06

Tgt Ion:105 Resp: 549891

Ion Ratio Lower Upper

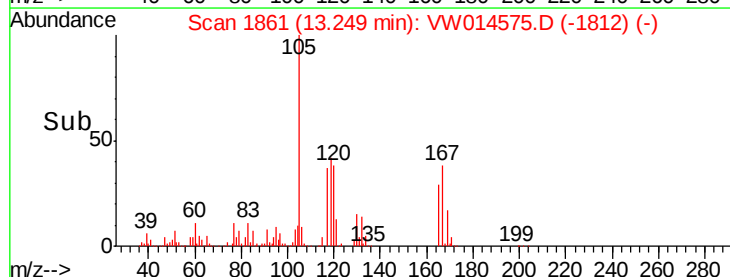
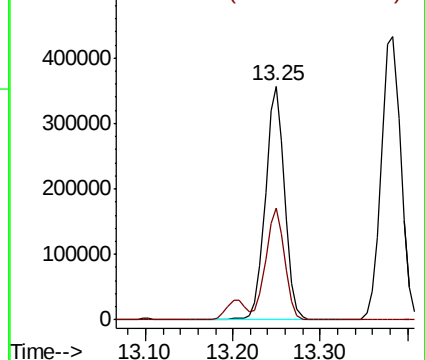
105 100

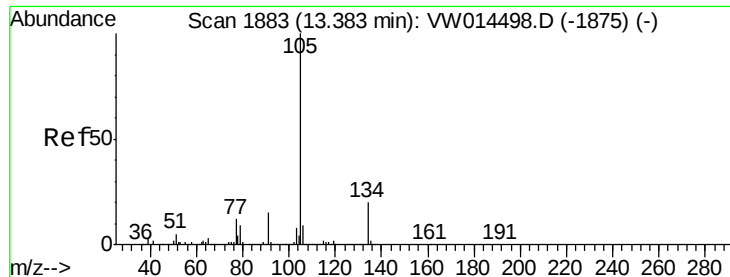
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

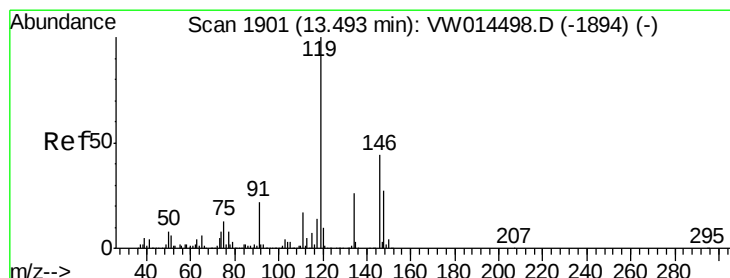
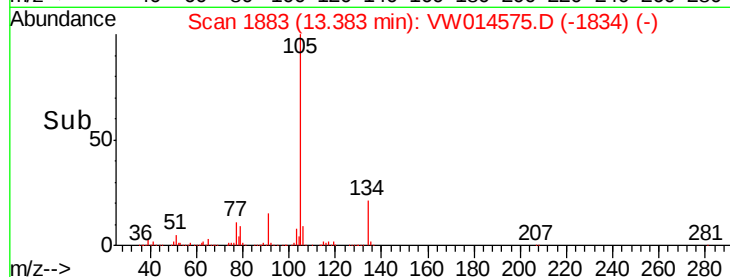
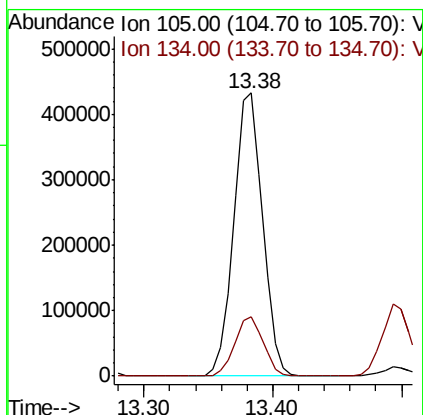
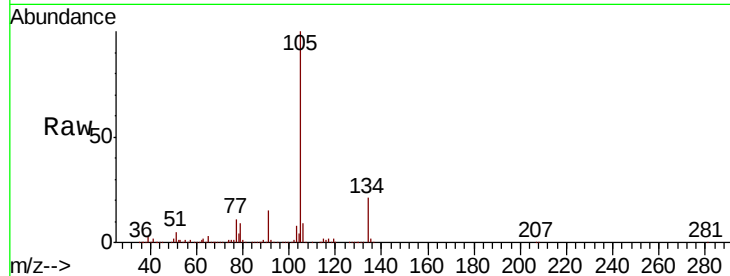




#85
 sec-Butylbenzene
 Concen: 18.503 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

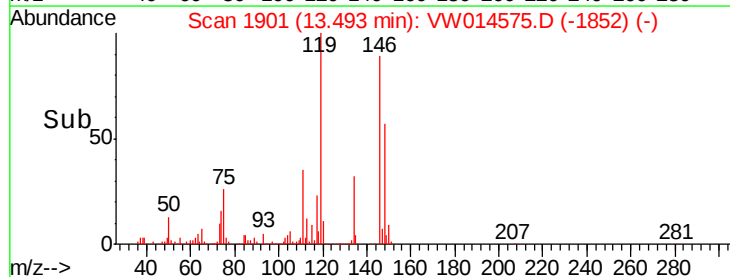
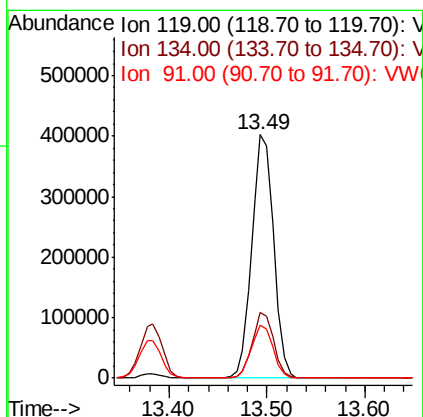
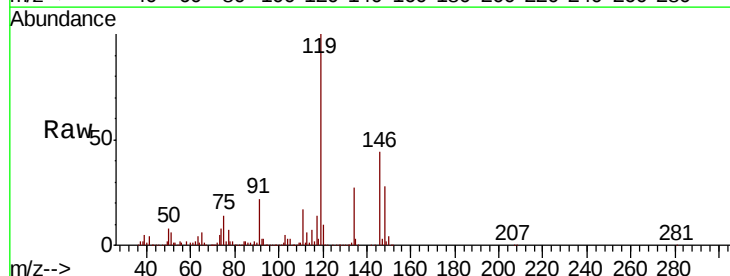
Instrument :
 MSVOA_W
 ClientSampleId :

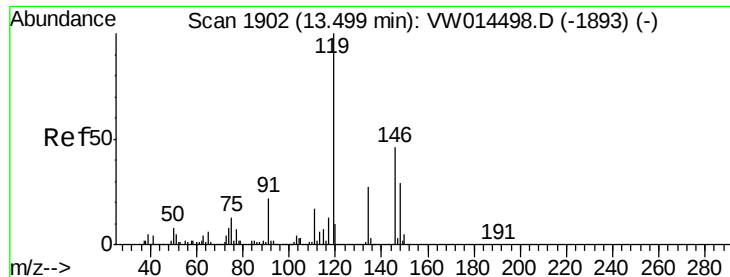
Tot Ion:105 Resp: 671410
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 18.739 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion:119 Resp: 619788
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 21.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.262 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

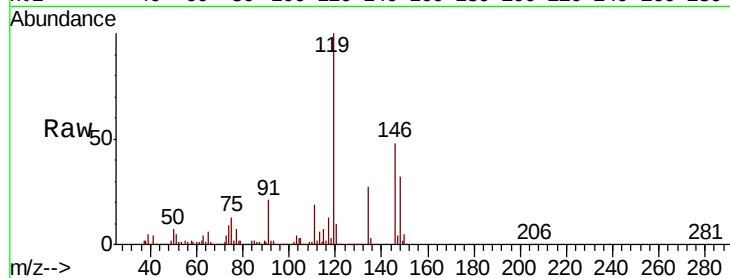
Tot Ion:146 Resp: 294130

Ion Ratio Lower Upper

146 100

111 39.4 19.3 57.9

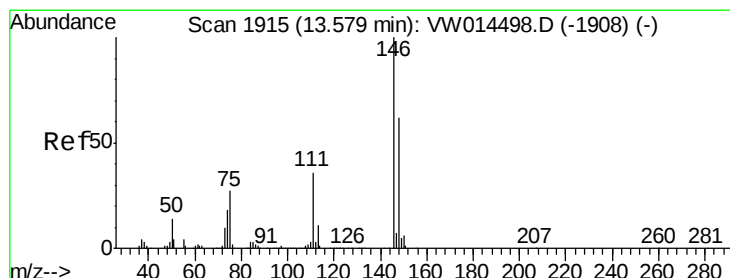
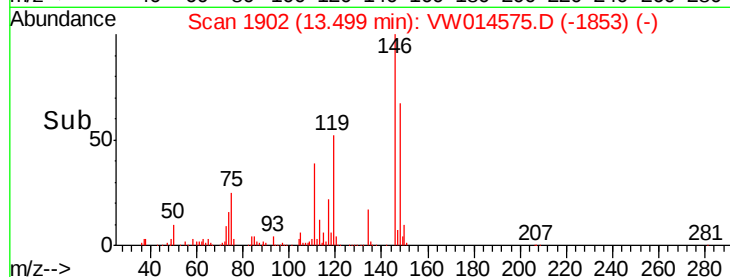
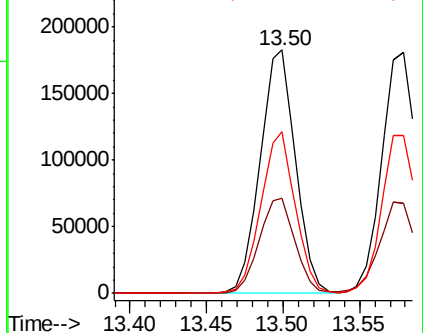
148 64.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.375 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

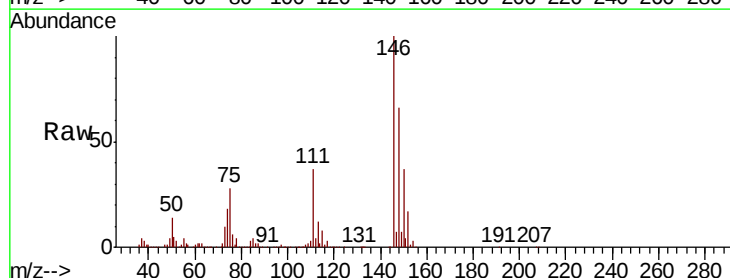
Tgt Ion:146 Resp: 292183

Ion Ratio Lower Upper

146 100

111 39.1 18.7 56.1

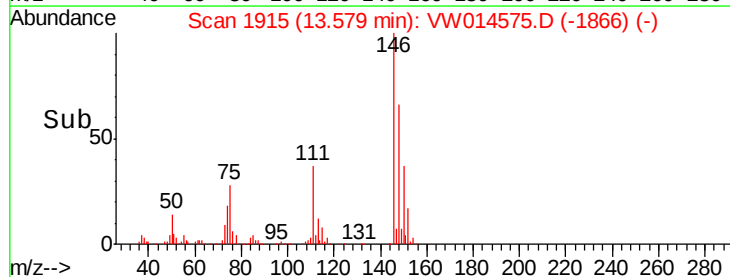
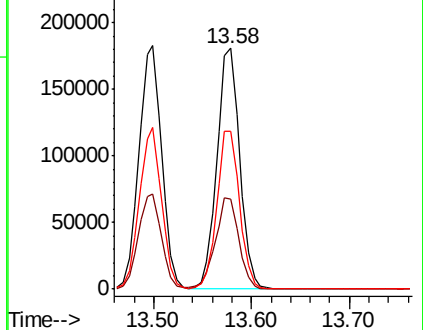
148 65.1 31.7 95.1

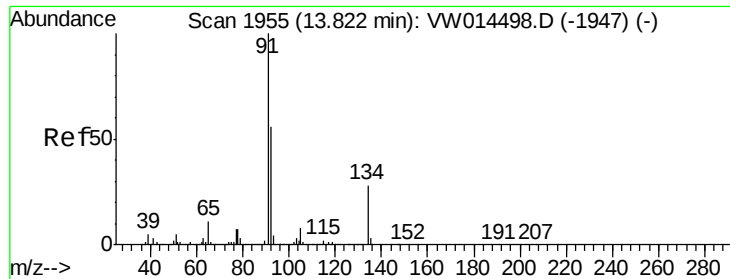


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.413 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

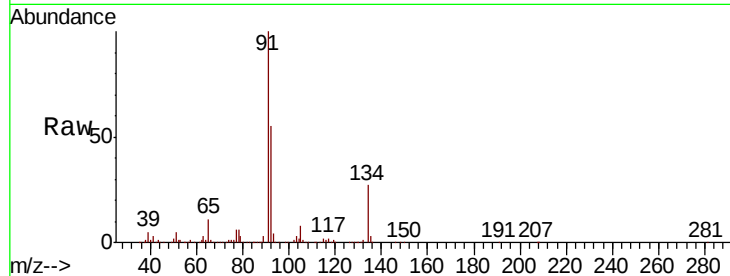
Tot Ion: 91 Resp: 565539

Ion Ratio Lower Upper

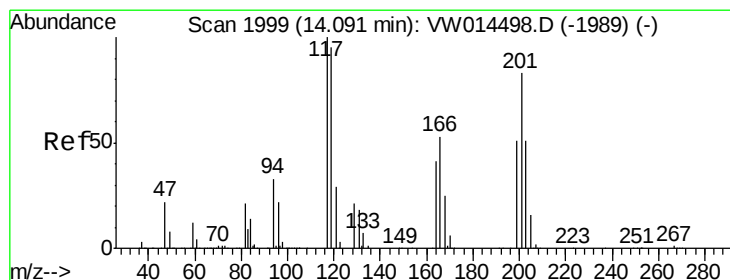
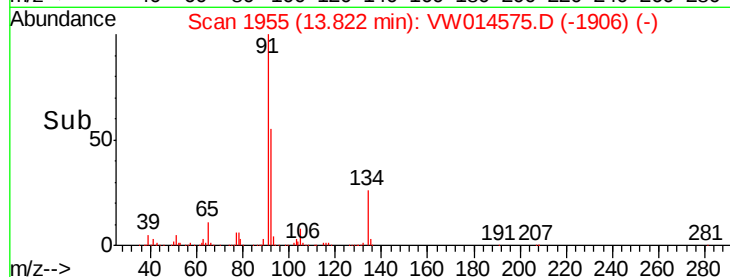
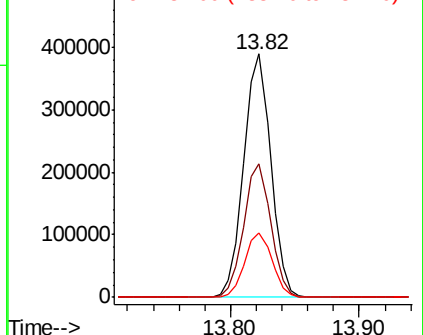
91 100

92 54.8 27.5 82.5

134 26.9 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.715 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014575.D

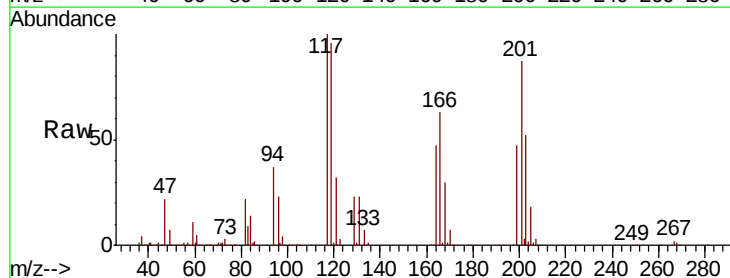
Acq: 09 Jan 2020 12:06

Tgt Ion: 117 Resp: 102361

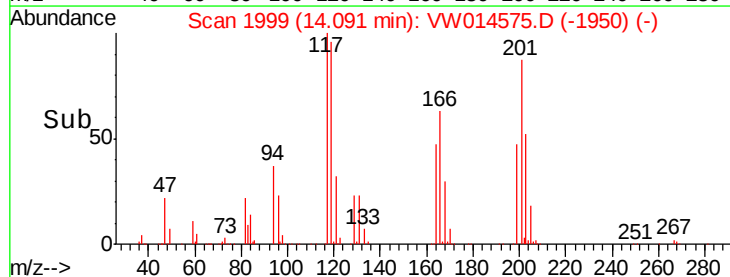
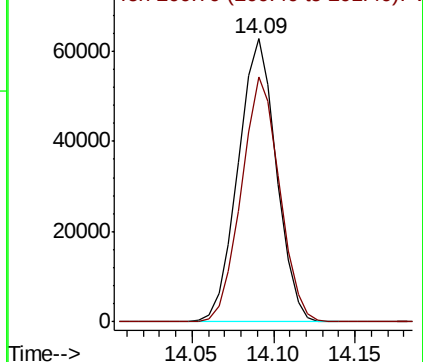
Ion Ratio Lower Upper

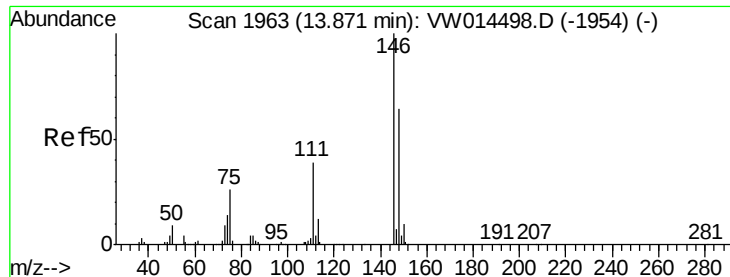
117 100

201 86.4 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.593 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014575.D

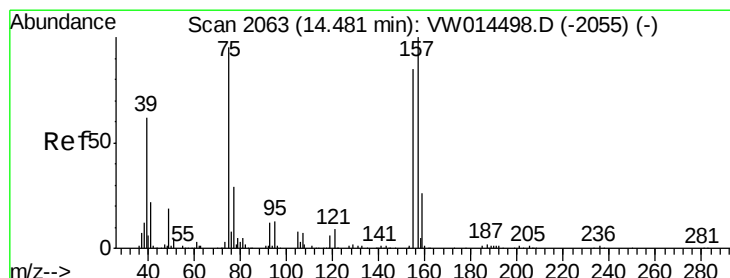
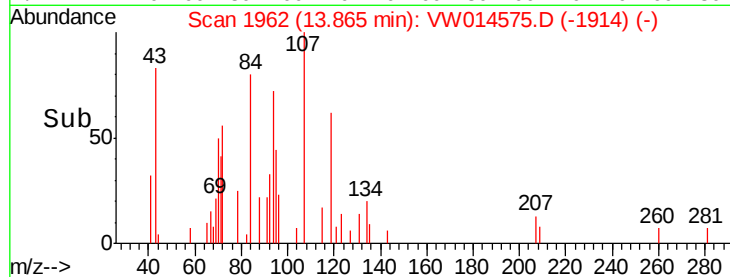
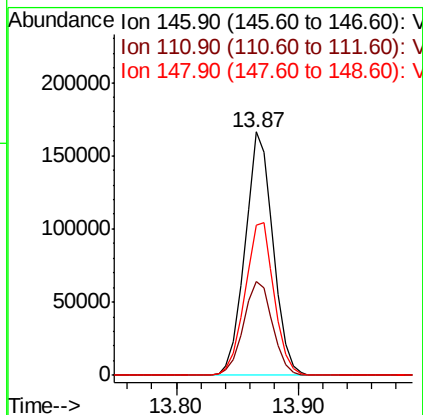
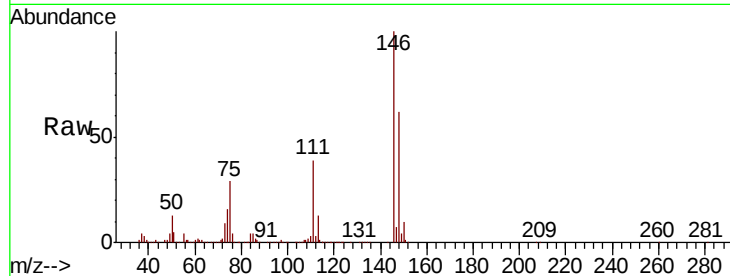
Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	263211
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	65.3	32.3	96.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.031 ug/l

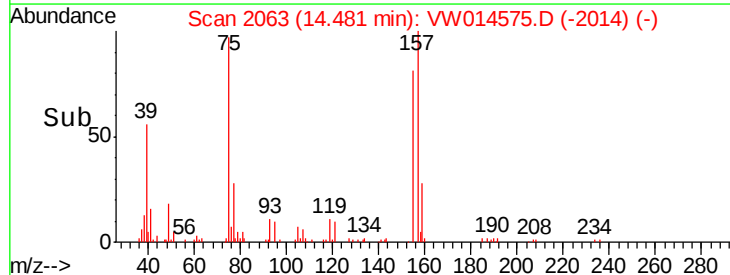
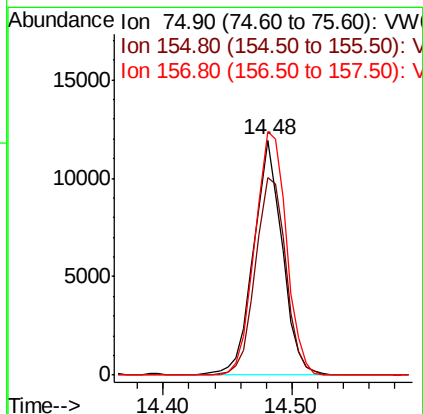
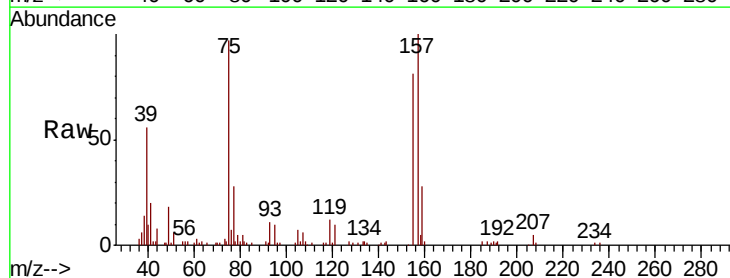
RT: 14.48 min Scan# 2063

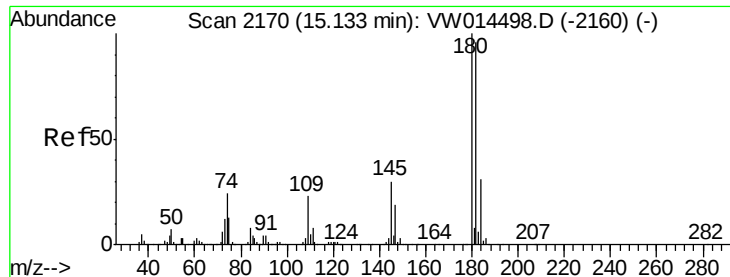
Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Tgt Ion:	75	Resp:	18379
Ion	Ratio	Lower	Upper
75	100		
155	88.9	45.8	137.4
157	112.7	58.1	174.2

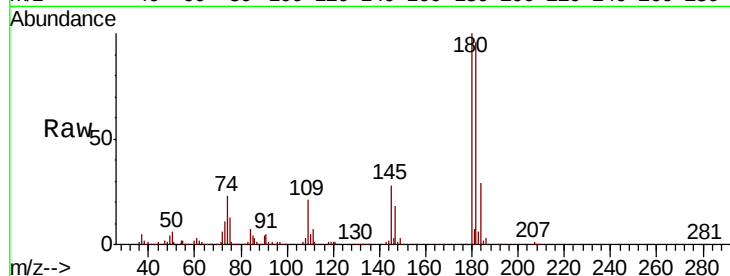




#93
 1,2,4-Trichlorobenzene
 Concen: 19.372 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.3	141.8
145	28.1	14.7	44.1

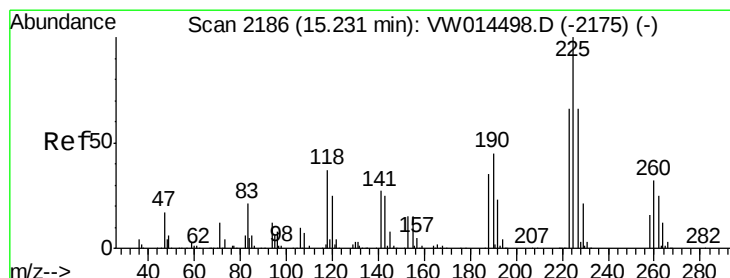
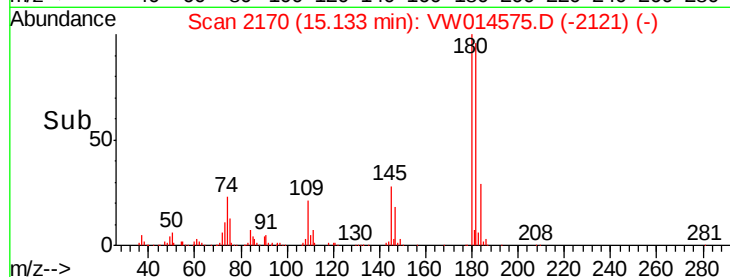
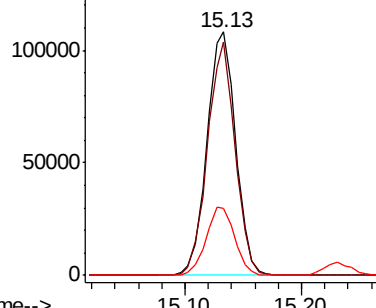


Abundance

Ion 179.80 (179.50 to 180.50): V

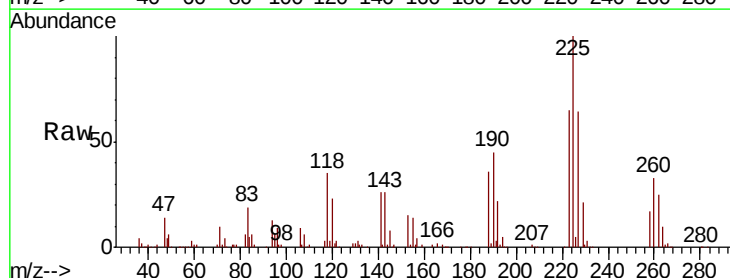
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.320 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014575.D
 Acq: 09 Jan 2020 12:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	63.1	32.6	97.8

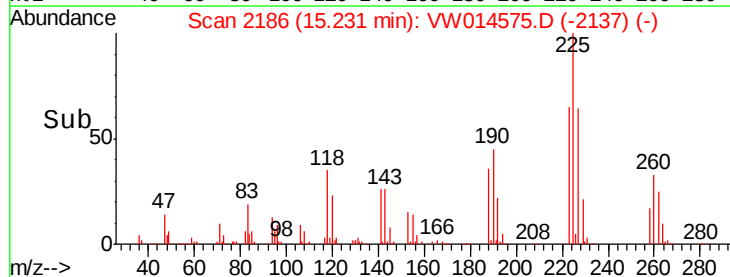
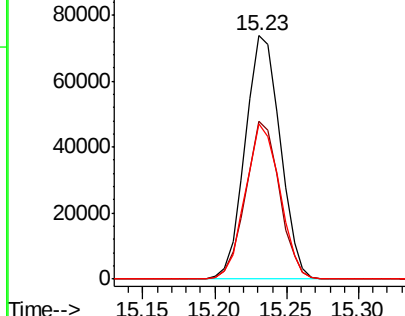


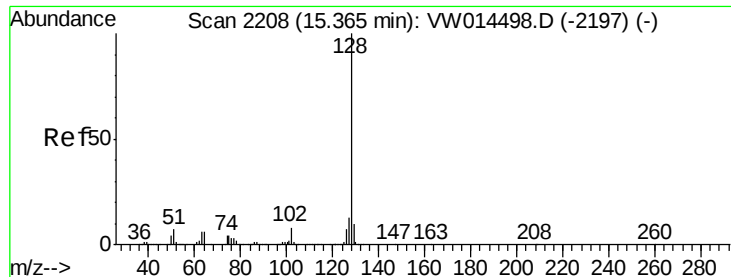
Abundance

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: 18.063 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

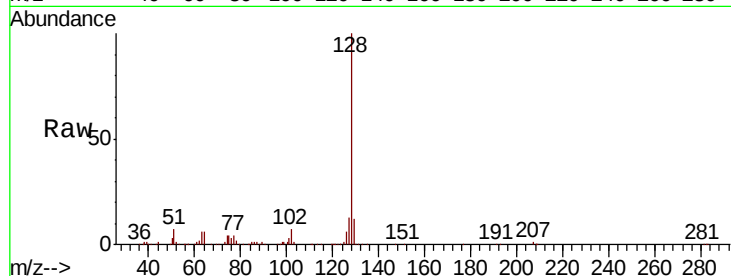
Tot Ion:128 Resp: 294484

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

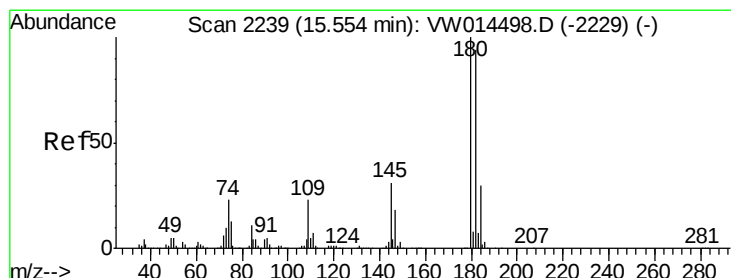
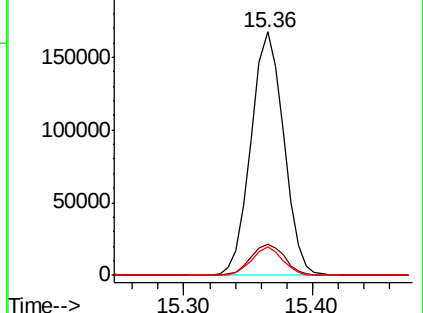
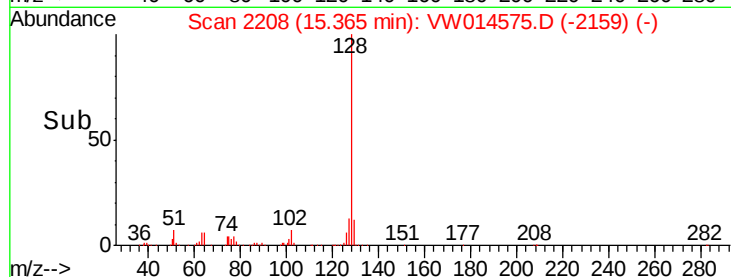
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.895 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014575.D

Acq: 09 Jan 2020 12:06

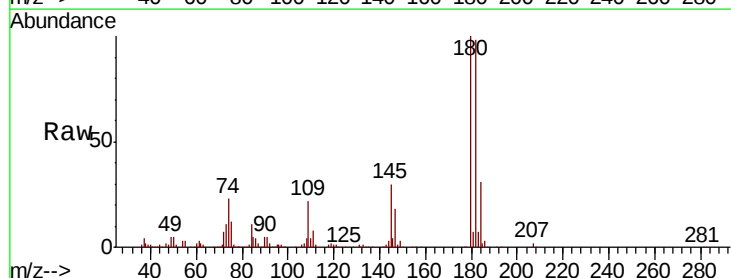
Tgt Ion:180 Resp: 157450

Ion Ratio Lower Upper

180 100

182 97.1 47.4 142.2

145 30.8 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

