

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014503.D
 Acq On : 03 Jan 2020 17:19
 Operator : SY/VA
 Sample : VW0103SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:44:08 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	933889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1380462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1193154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	576936	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	382148	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
35) Dibromofluoromethane	7.88	113	383344	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.32	98	1596805	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.62	95	532380	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	118558	22.484	ug/l	96
3) Chloromethane	2.21	50	138215	21.415	ug/l	98
4) Vinyl Chloride	2.36	62	195948	20.641	ug/l	98
5) Bromomethane	2.76	94	123787	21.109	ug/l	98
6) Chloroethane	2.91	64	110806	20.476	ug/l	98
7) Trichlorofluoromethane	3.25	101	92695	19.516	ug/l	99
8) Diethyl Ether	3.68	74	96461	20.412	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	180894	20.383	ug/l	99
10) Methyl Iodide	4.26	142	266249	19.884	ug/l	99
11) Tert butyl alcohol	5.16	59	62714	84.427	ug/l	99
12) 1,1-Dichloroethene	4.04	96	186926	20.113	ug/l	99
13) Acrolein	3.89	56	63574	89.207	ug/l	97
14) Allyl chloride	4.66	41	279907	19.709	ug/l	99
15) Acrylonitrile	5.36	53	202620	93.799	ug/l	99
16) Acetone	4.12	43	189935	82.381	ug/l	100
17) Carbon Disulfide	4.38	76	566687	20.231	ug/l	97
18) Methyl Acetate	4.67	43	106172	19.067	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	237396	20.578	ug/l	100
20) Methylene Chloride	4.91	84	206953	19.430	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	204557	20.729	ug/l	99
22) Diisopropyl ether	6.31	45	543075	20.430	ug/l	98
23) Vinyl Acetate	6.25	43	1613828	100.537	ug/l	99
24) 1,1-Dichloroethane	6.21	63	341314	20.355	ug/l	100
25) 2-Butanone	7.17	43	271013	91.596	ug/l	98
26) 2,2-Dichloropropane	7.17	77	186943	20.137	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	212406	20.485	ug/l	99
28) Bromochloromethane	7.51	49	116133	17.666	ug/l	100
29) Tetrahydrofuran	7.52	42	169248	92.334	ug/l	99
30) Chloroform	7.67	83	322132	20.544	ug/l	98
31) Cyclohexane	7.95	56	345717	19.839	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	259365	20.566	ug/l	99
36) 1,1-Dichloropropene	8.08	75	275393	20.693	ug/l	99
37) Ethyl Acetate	7.25	43	117562	19.478	ug/l	100
38) Carbon Tetrachloride	8.06	117	241049	20.878	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	349019	20.436	ug/l	99
40) Benzene	8.32	78	789667	20.972	ug/l	99
41) Methacrylonitrile	7.48	41	60929	18.109	ug/l	94
42) 1,2-Dichloroethane	8.40	62	199698	20.437	ug/l	100
43) Isopropyl Acetate	8.42	43	215834	19.692	ug/l	99
44) Trichloroethene	9.09	130	211996	20.807	ug/l	96
45) 1,2-Dichloropropane	9.37	63	193259	20.916	ug/l	96
46) Dibromomethane	9.46	93	93236	20.440	ug/l	98
47) Bromodichloromethane	9.64	83	232302	20.628	ug/l	100
48) Methyl methacrylate	9.43	41	104958	19.614	ug/l	98
49) 1,4-Dioxane	9.45	88	30685	359.667	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	552217	97.022	ug/l	100
52) Toluene	10.38	92	492846	20.805	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	235361	20.185	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	291735	20.472	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	134151	20.137	ug/l	98
56) Ethyl methacrylate	10.64	69	171857	19.850	ug/l	100
57) 1,3-Dichloropropane	10.93	76	240048	20.502	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	255980	97.215	ug/l	99
59) 2-Hexanone	10.96	43	378002	96.378	ug/l	99
60) Dibromochloromethane	11.13	129	153239	20.387	ug/l	99
61) 1,2-Dibromoethane	11.23	107	128270	20.284	ug/l	99
64) Tetrachloroethene	10.86	164	180968	20.950	ug/l	97
65) Chlorobenzene	11.65	112	505972	20.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	170233	20.684	ug/l	99
67) Ethyl Benzene	11.73	91	916519	20.805	ug/l	99
68) m/p-Xylenes	11.83	106	707894	41.987	ug/l	100
69) o-Xylene	12.16	106	321473	20.642	ug/l	100
70) Styrene	12.18	104	553589	21.016	ug/l	100
71) Bromoform	12.35	173	90056	20.061	ug/l #	99
73) Isopropylbenzene	12.46	105	898763	21.231	ug/l	99
74) N-amyl acetate	12.27	43	186498	19.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	152633	19.976	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	191504	35.107	ug/l #	100
77) Bromobenzene	12.74	156	209242	21.281	ug/l	98
78) n-propylbenzene	12.80	91	1058419	21.262	ug/l	99
79) 2-Chlorotoluene	12.89	91	594190	20.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	751730	21.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47302	19.321	ug/l	96
82) 4-Chlorotoluene	12.99	91	622474	21.150	ug/l	100
83) tert-Butylbenzene	13.20	119	654096	21.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	755608	21.362	ug/l	100
85) sec-Butylbenzene	13.38	105	904821	21.006	ug/l	100
86) p-Isopropyltoluene	13.49	119	832816	21.211	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	405070	21.187	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	396246	20.993	ug/l	98
89) n-Butylbenzene	13.82	91	771469	21.159	ug/l	99
90) Hexachloroethane	14.09	117	137595	20.061	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	351238	20.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24229	20.024	ug/l	95

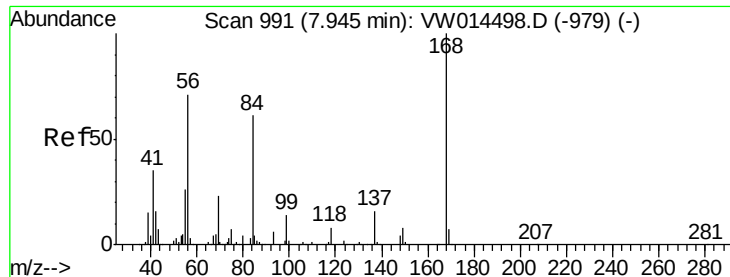
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	247613	21.820	ug/l	99
94) Hexachlorobutadiene	15.23	225	156095	20.526	ug/l	99
95) Naphthalene	15.36	128	397063	20.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	212539	21.487	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: VW014503.D

Acq: 03 Jan 2020 17:19

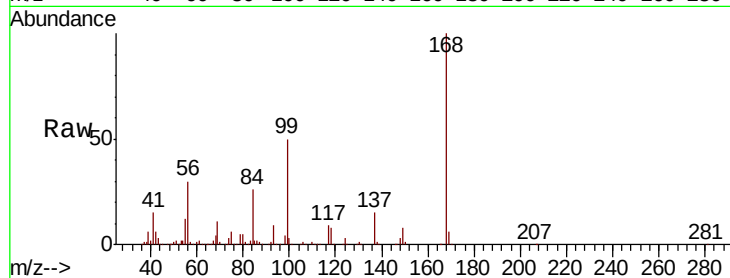
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 933889

Ion Ratio Lower Upper

168 100

99 50.1 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

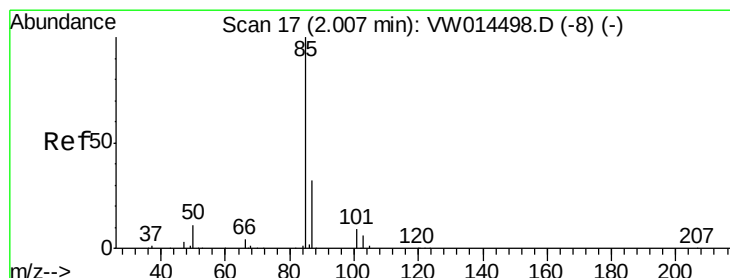
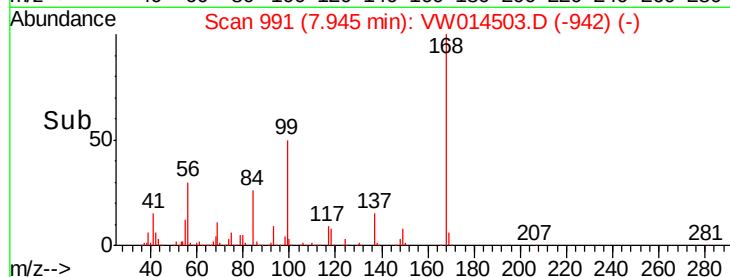
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.484 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014503.D

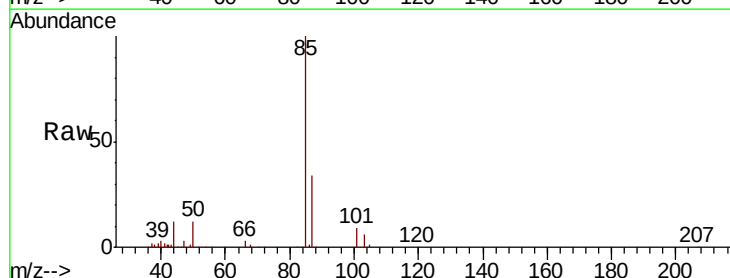
Acq: 03 Jan 2020 17:19

Tgt Ion: 85 Resp: 118558

Ion Ratio Lower Upper

85 100

87 34.4 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

40000

30000

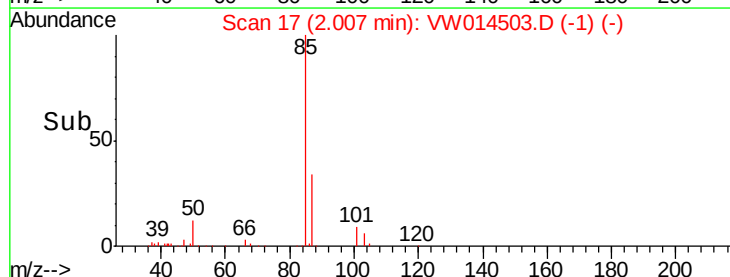
20000

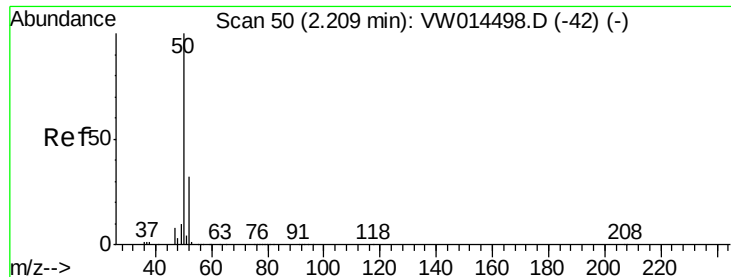
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.415 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

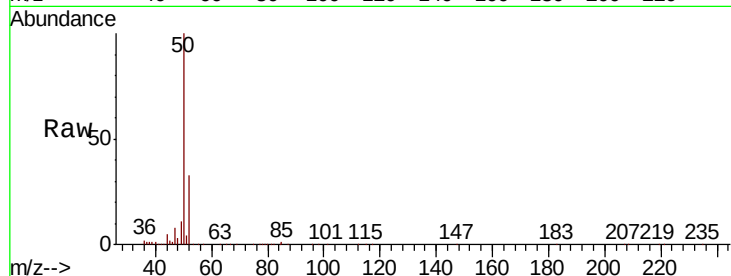
ClientSampleId :

Tot Ion: 50 Resp: 138215

Ion Ratio Lower Upper

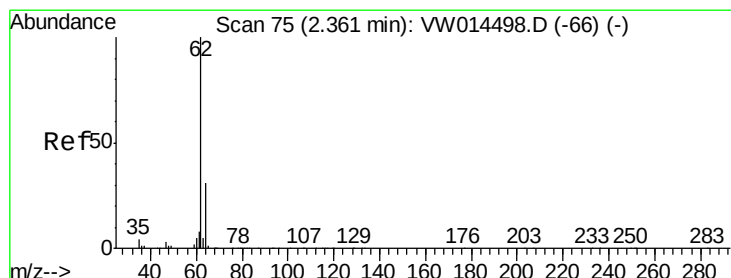
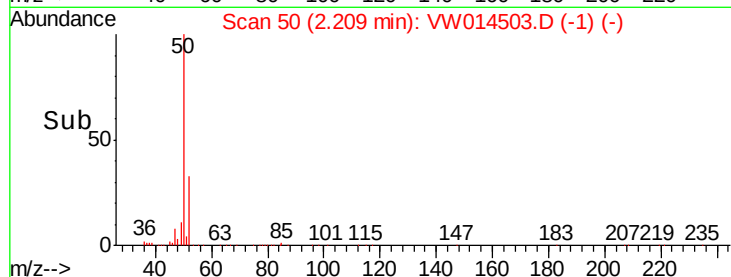
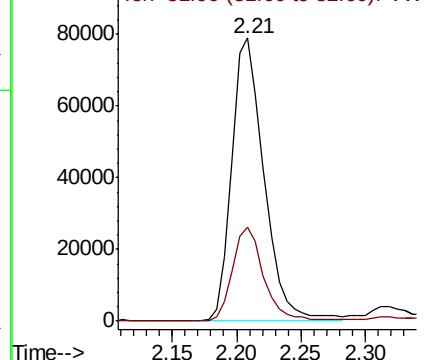
50 100

52 33.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.641 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014503.D

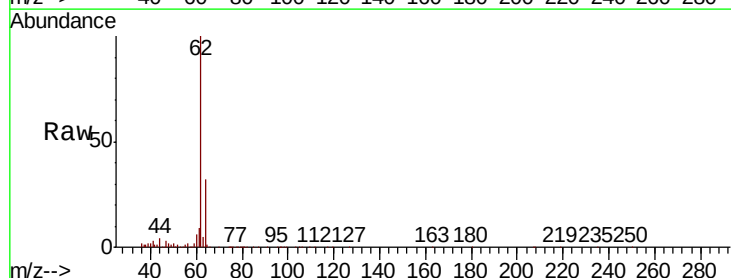
Acq: 03 Jan 2020 17:19

Tgt Ion: 62 Resp: 195948

Ion Ratio Lower Upper

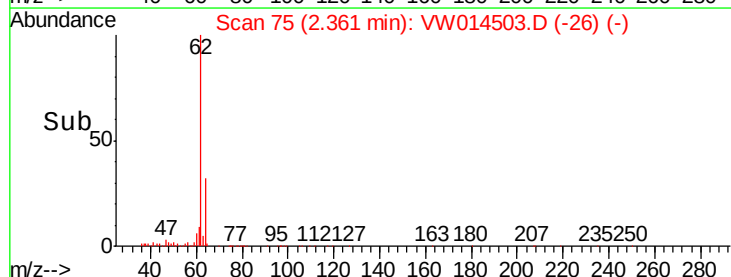
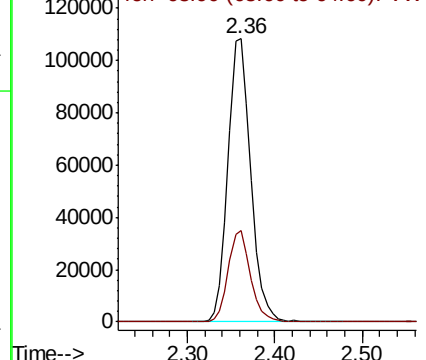
62 100

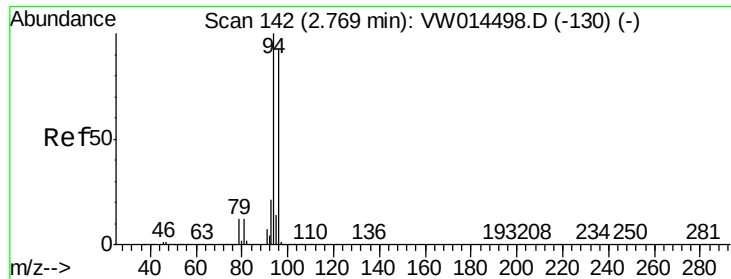
64 32.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.109 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

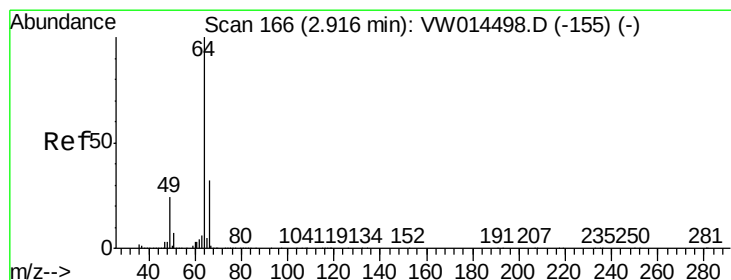
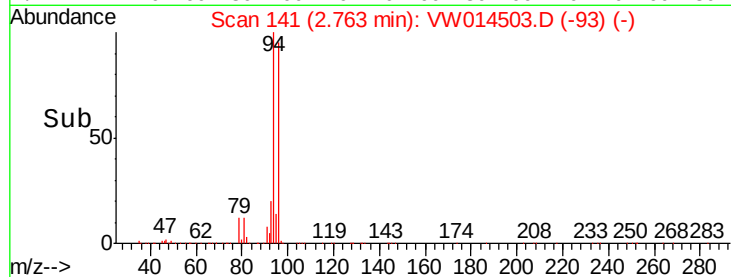
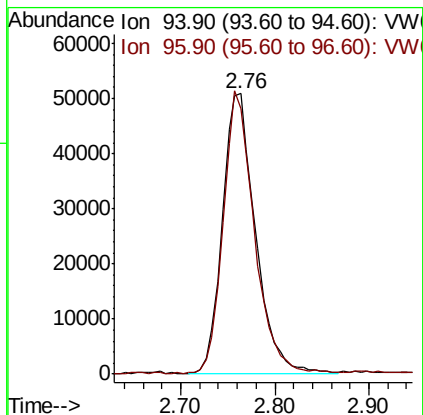
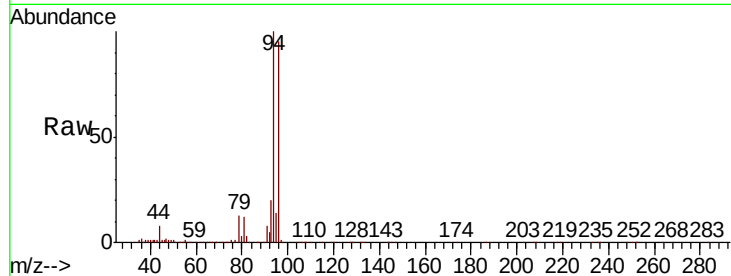
ClientSampled :

Tot Ion: 94 Resp: 123787

Ion Ratio Lower Upper

94 100

96 94.3 74.2 111.2



#6

Chloroethane

Concen: 20.476 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014503.D

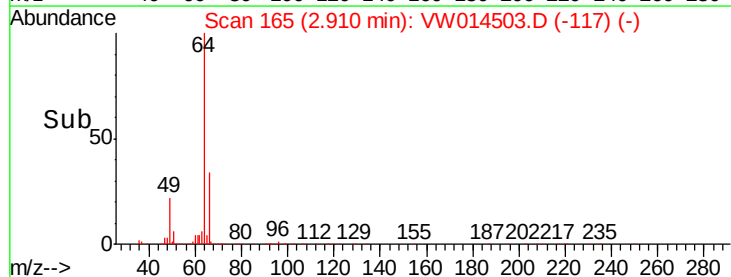
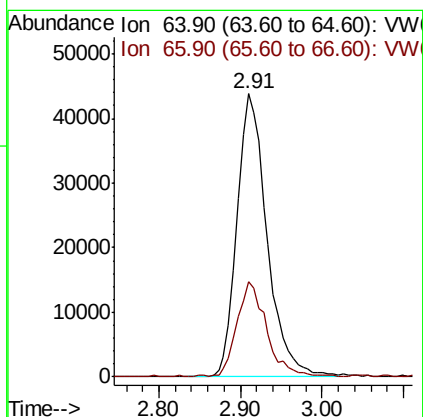
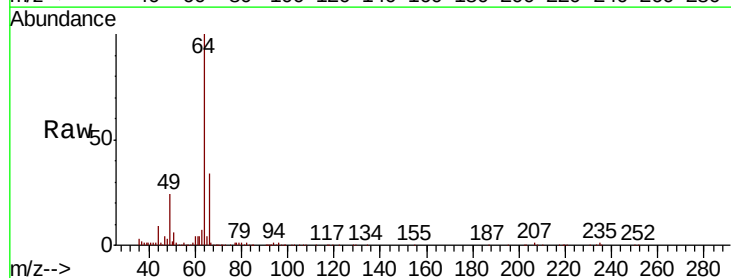
Acq: 03 Jan 2020 17:19

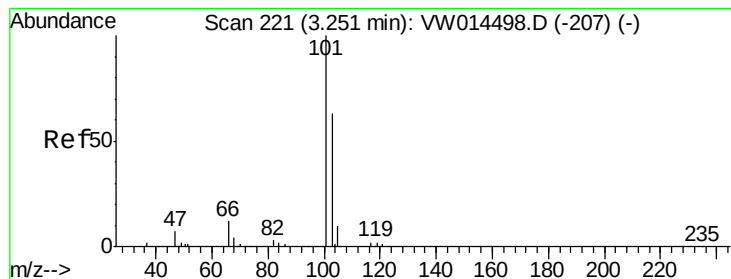
Tgt Ion: 64 Resp: 110806

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



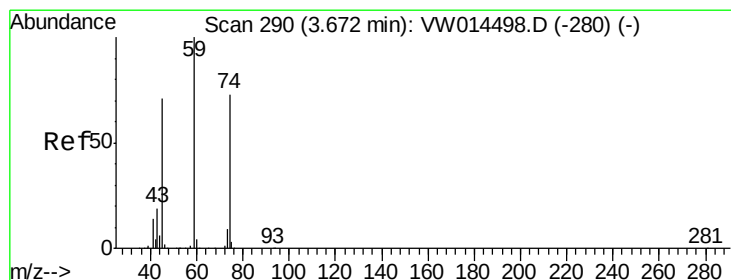
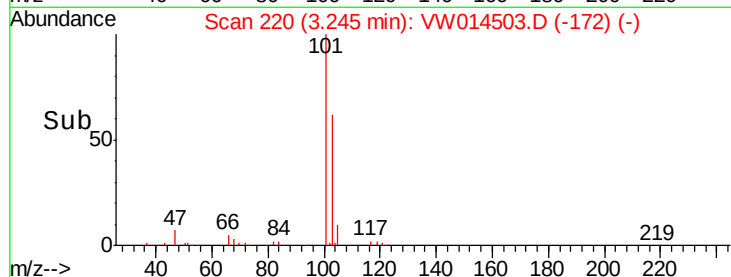
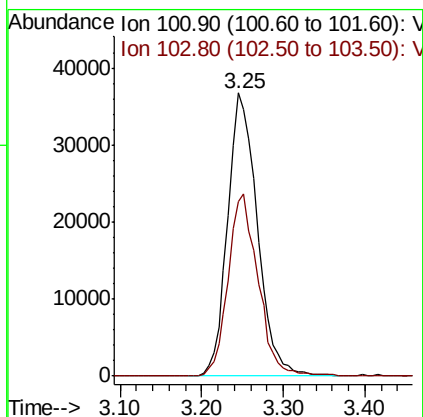
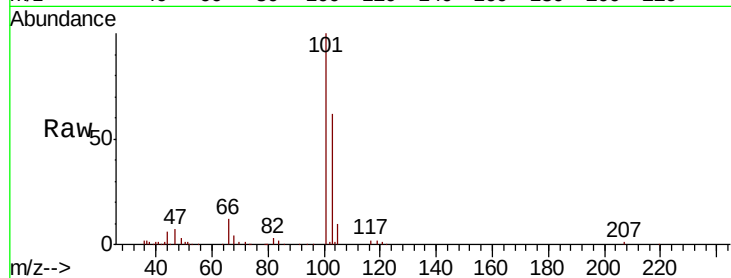


#7

Trichlorofluoromethane
Concen: 19.516 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :

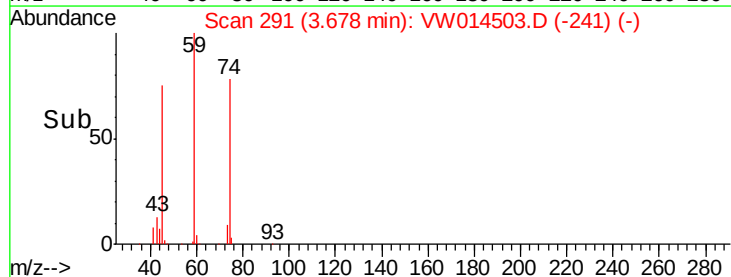
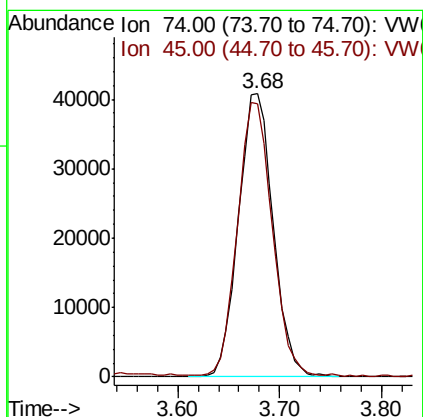
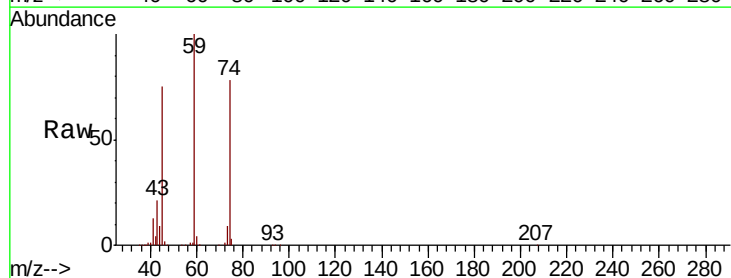
Tot Ion:101 Resp: 92695
Ion Ratio Lower Upper
101 100
103 61.7 50.1 75.1

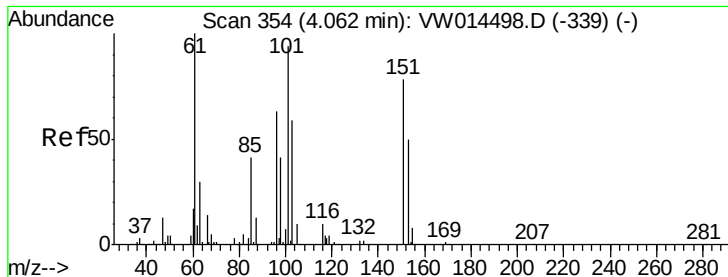


#8

Diethyl Ether
Concen: 20.412 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 74 Resp: 96461
Ion Ratio Lower Upper
74 100
45 97.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.383 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

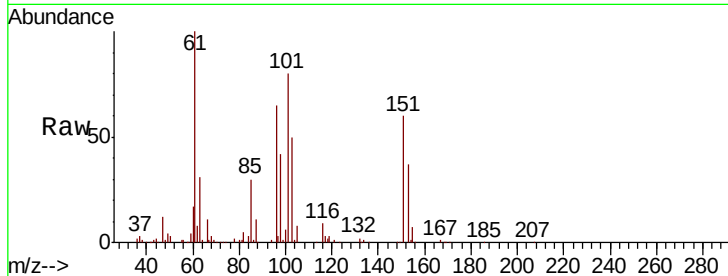
Tot Ion:101 Resp: 180894

Ion Ratio Lower Upper

101 100

85 40.9 33.7 50.5

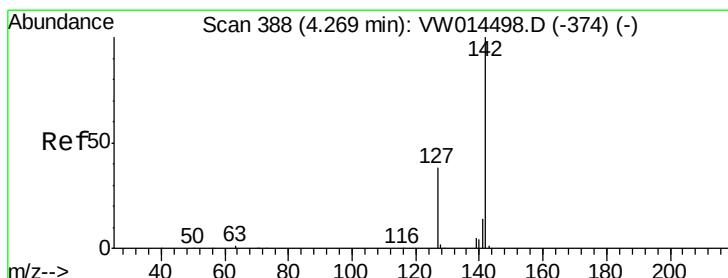
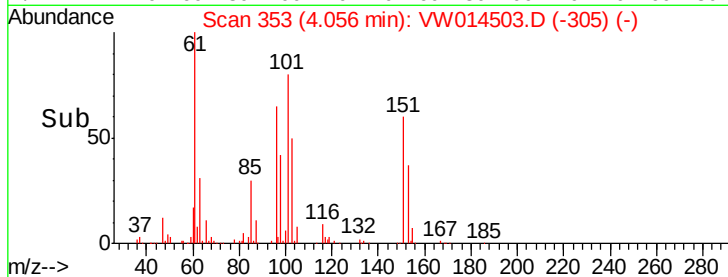
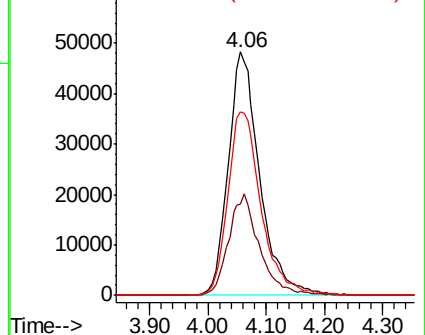
151 79.8 63.5 95.3



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: 19.884 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

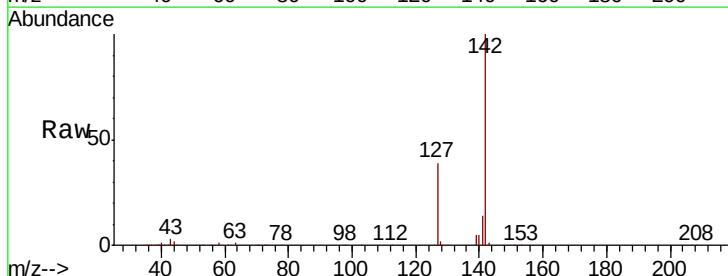
Tgt Ion:142 Resp: 266249

Ion Ratio Lower Upper

142 100

127 38.1 30.2 45.4

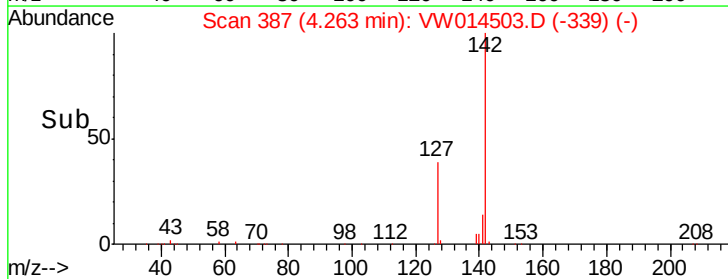
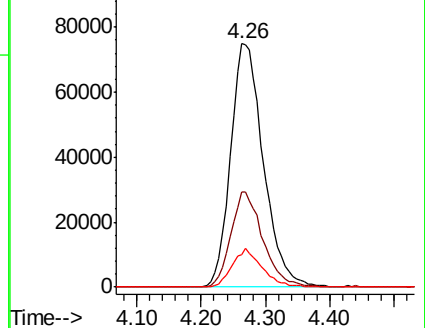
141 14.5 11.4 17.2

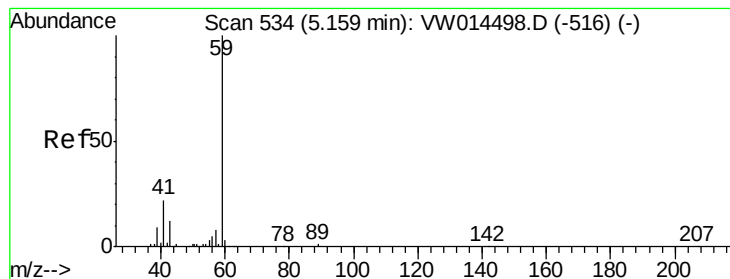


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



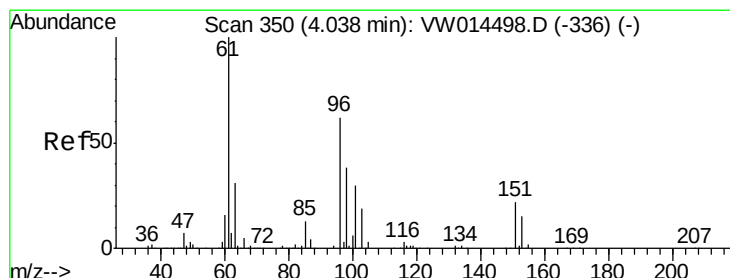
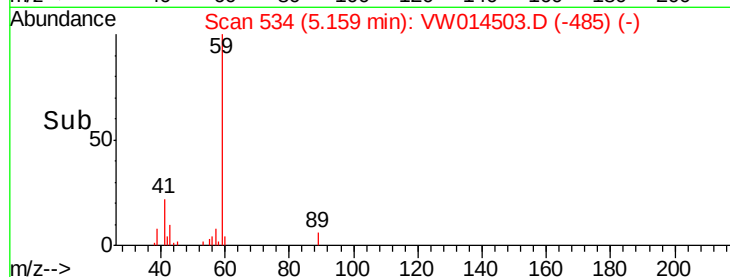
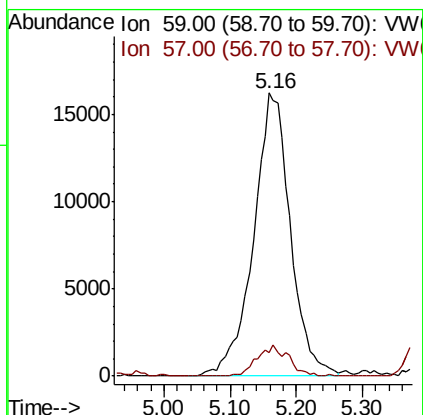
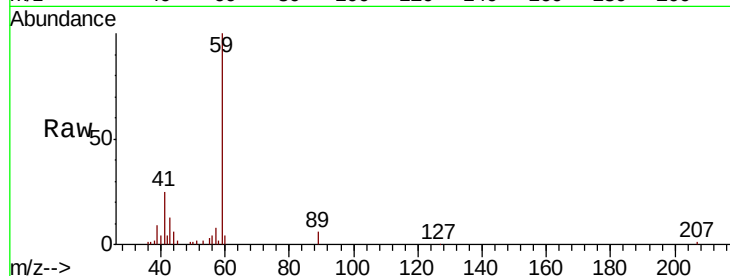


#11

Tert butyl alcohol
Concen: 84.427 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :

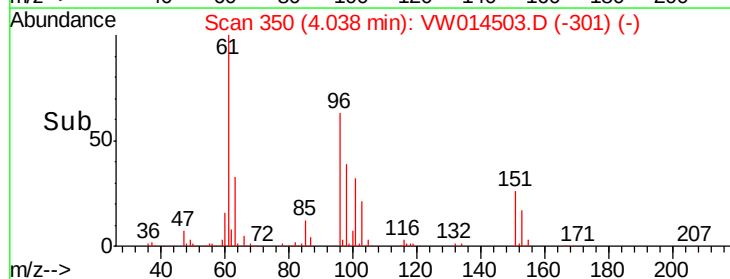
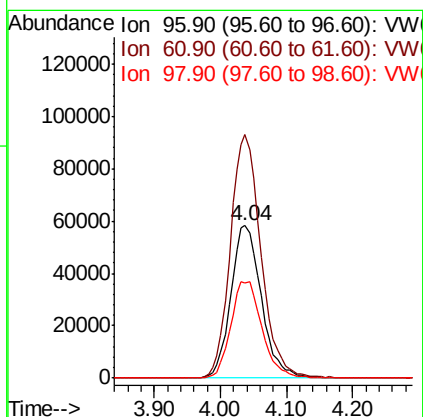
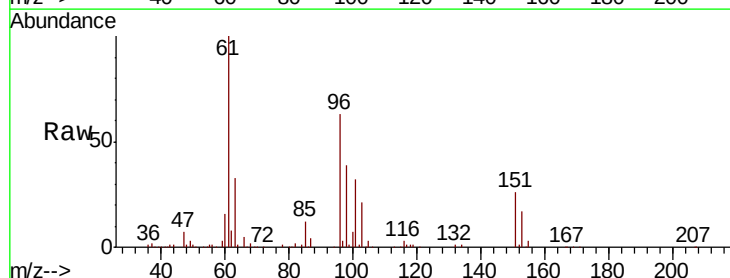
Tot Ion: 59 Resp: 62714
Ion Ratio Lower Upper
59 100
57 9.4 7.8 11.8

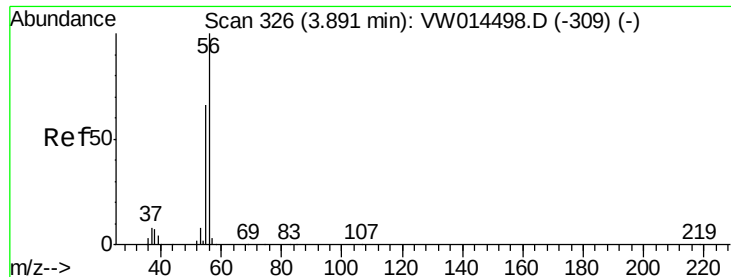


#12

1,1-Dichloroethene
Concen: 20.113 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 96 Resp: 186926
Ion Ratio Lower Upper
96 100
61 159.7 128.4 192.6
98 62.1 49.1 73.7





#13

Acrolein

Concen: 89.207 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

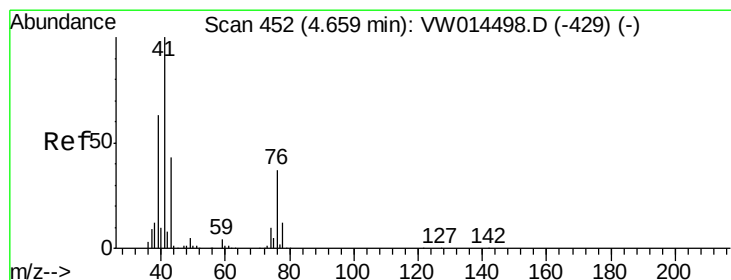
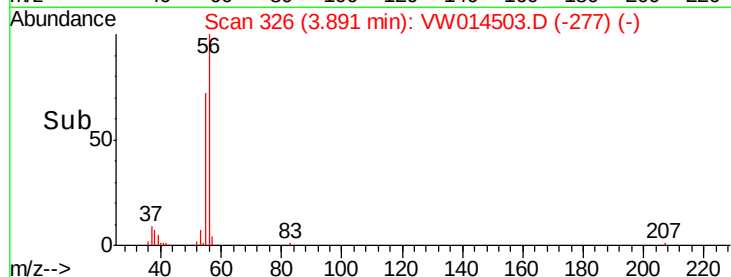
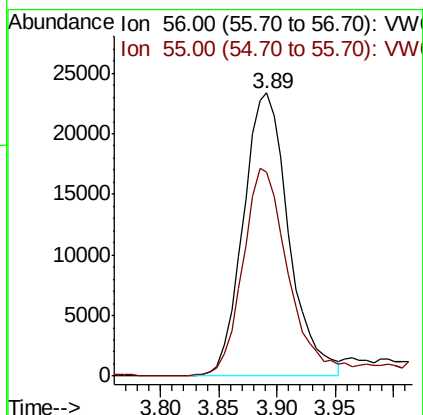
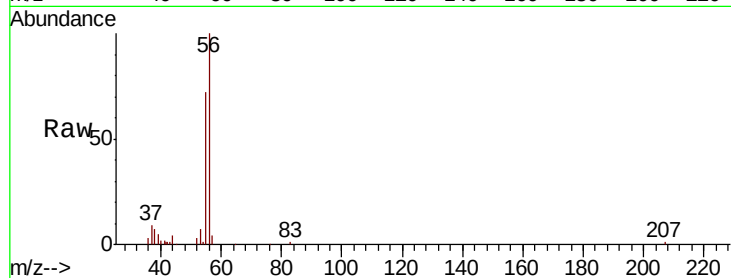
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 63574

Ion Ratio Lower Upper

56 100

55 73.6 56.7 85.1



#14

Allyl chloride

Concen: 19.709 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

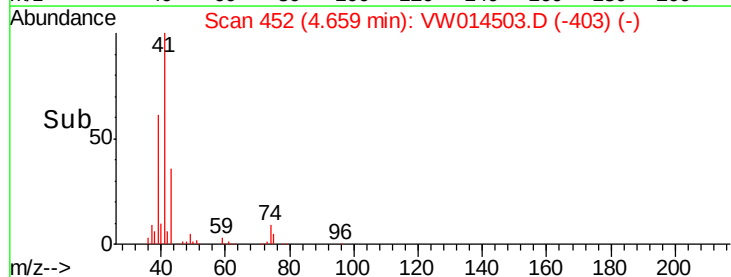
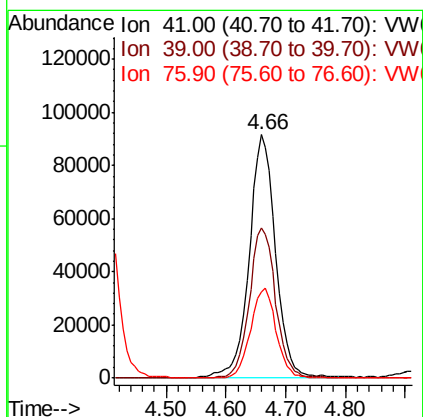
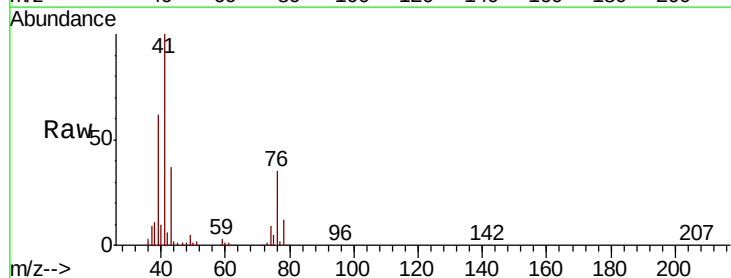
Tgt Ion: 41 Resp: 279907

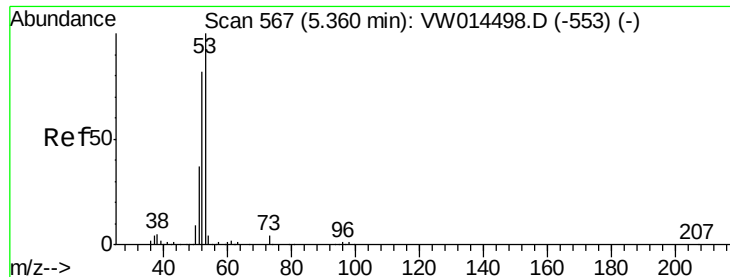
Ion Ratio Lower Upper

41 100

39 61.6 48.5 72.7

76 36.1 28.1 42.1





#15

Acrylonitrile

Concen: 93.799 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

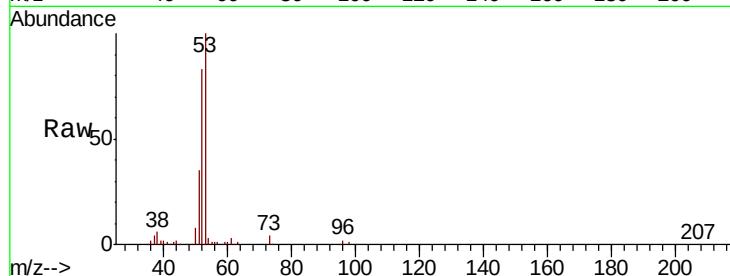
Tot Ion: 53 Resp: 202620

Ion Ratio Lower Upper

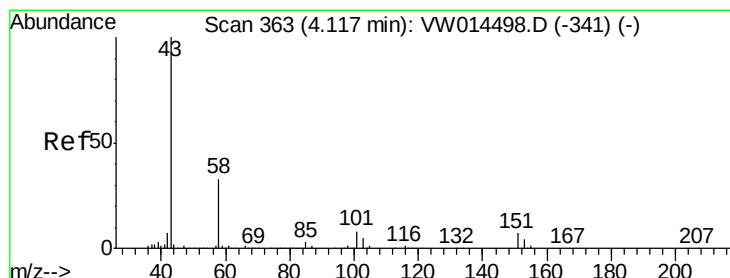
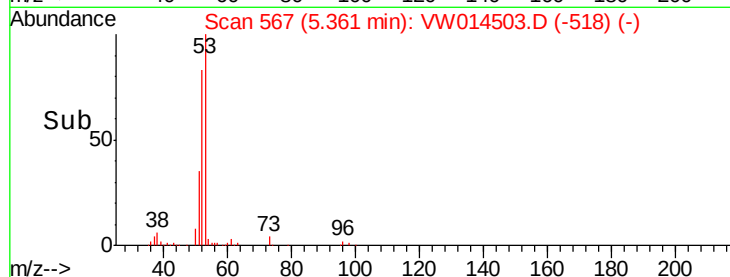
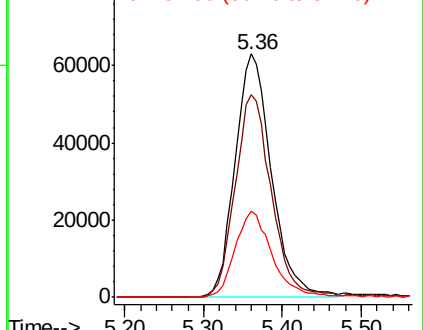
53 100

52 82.4 66.5 99.7

51 35.8 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: 82.381 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014503.D

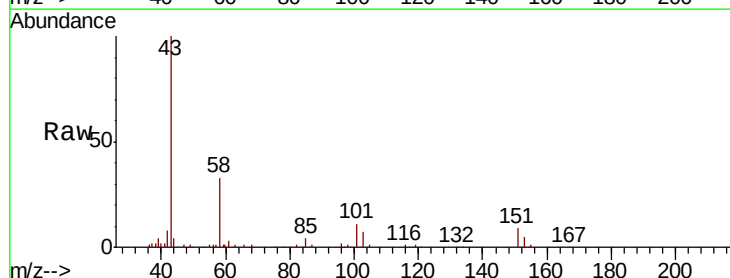
Acq: 03 Jan 2020 17:19

Tgt Ion: 43 Resp: 189935

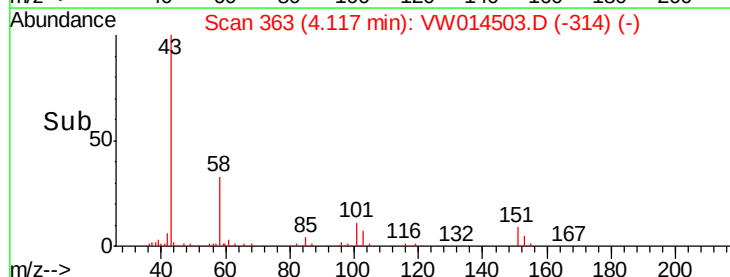
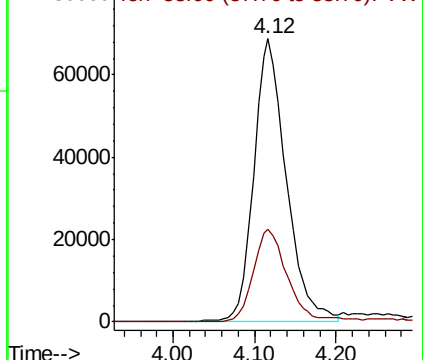
Ion Ratio Lower Upper

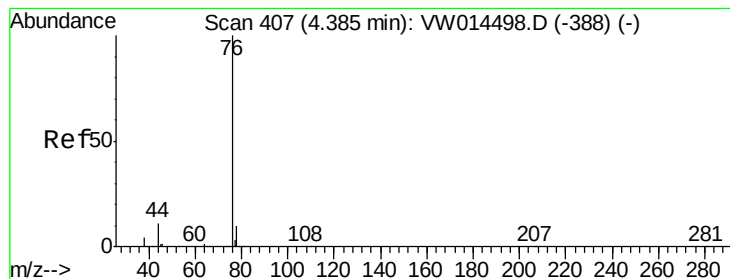
43 100

58 32.9 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: 20.231 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

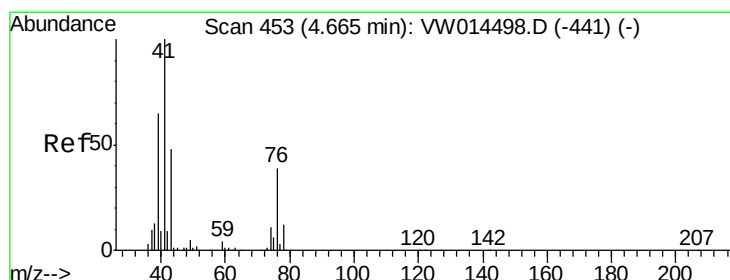
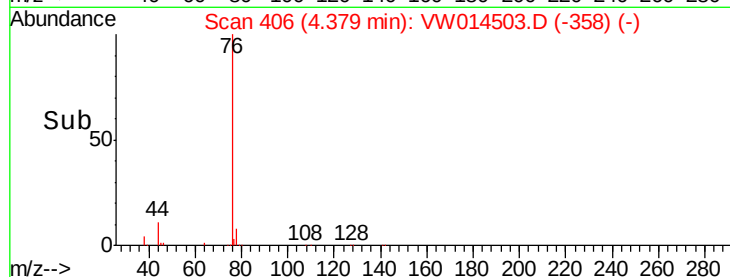
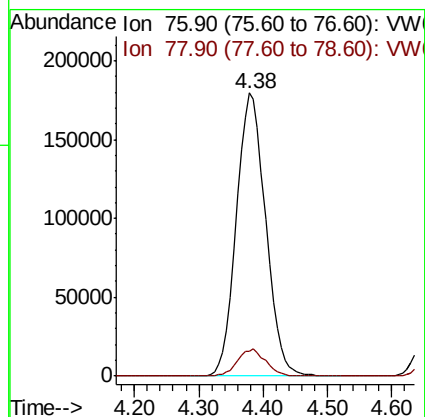
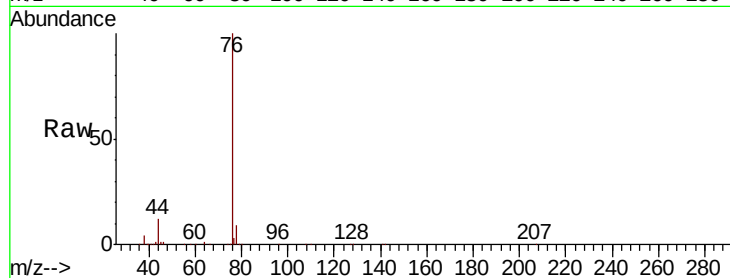
ClientSampleId :

Tot Ion: 76 Resp: 566687

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6



#18

Methyl Acetate

Concen: 19.067 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014503.D

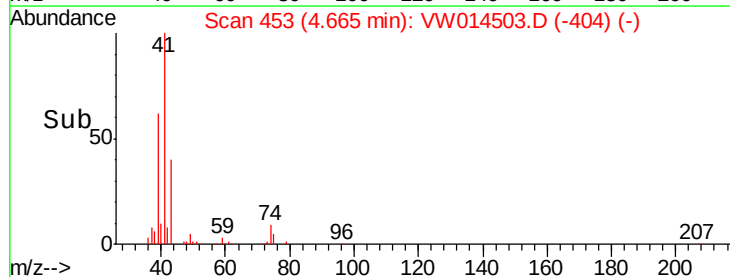
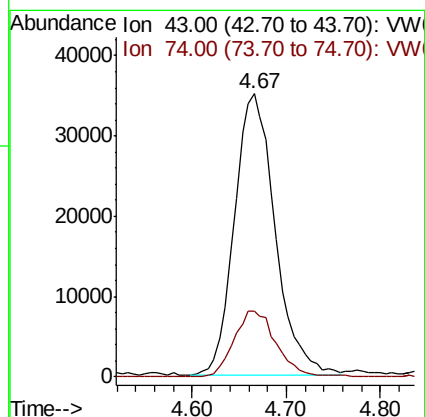
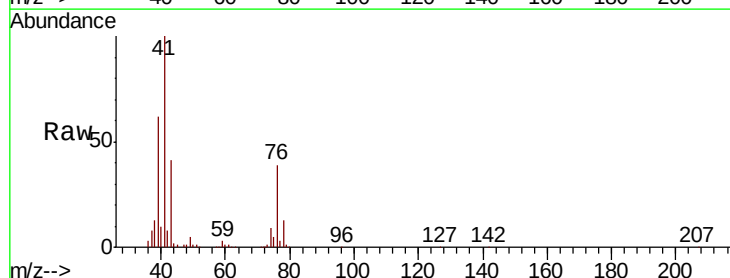
Acq: 03 Jan 2020 17:19

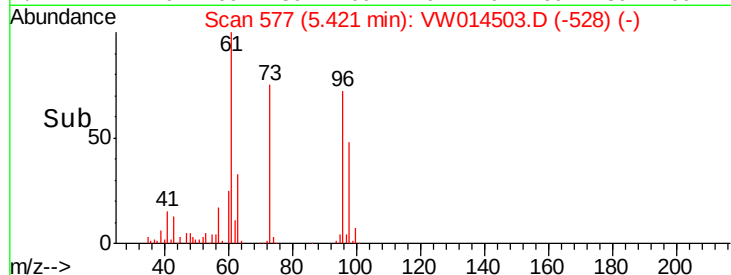
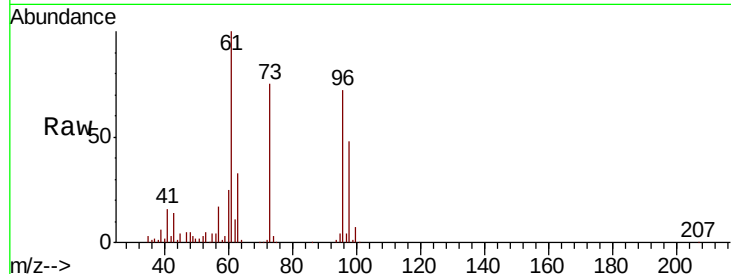
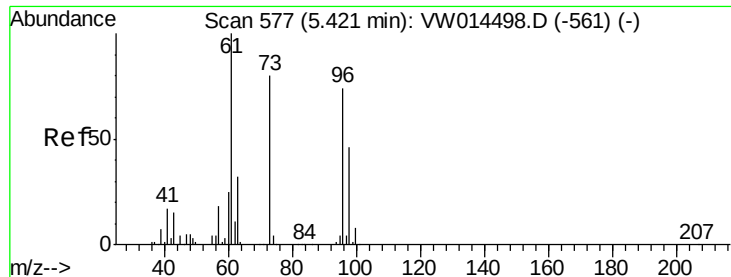
Tgt Ion: 43 Resp: 106172

Ion Ratio Lower Upper

43 100

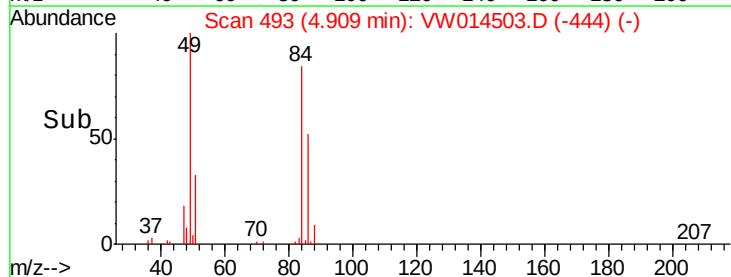
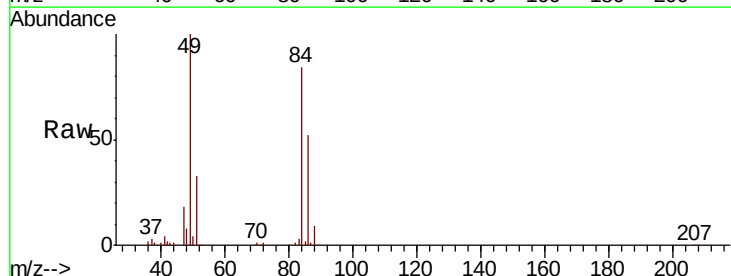
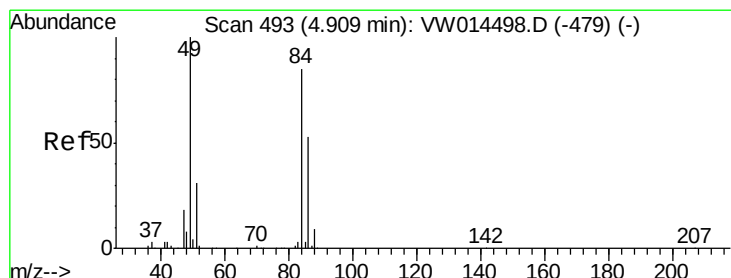
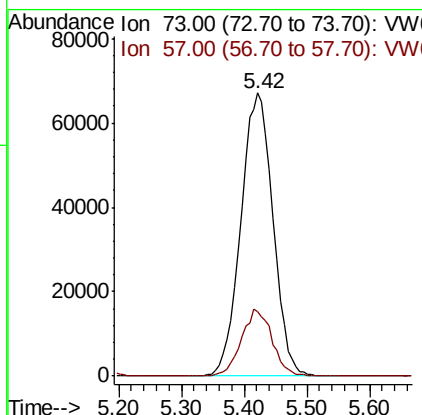
74 24.3 19.3 28.9





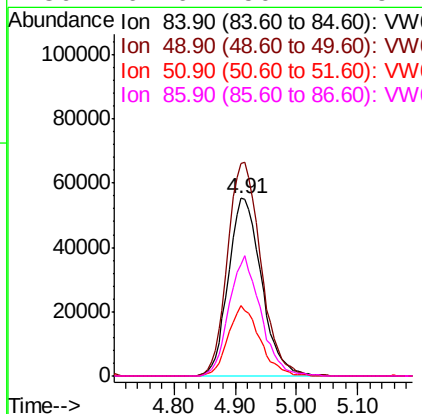
#19
Methyl tert-butyl Ether
Concen: 20.578 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

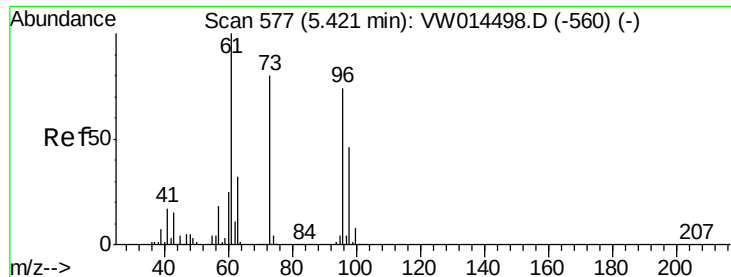
Tot Ion: 73 Resp: 237396
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



#20
Methylene Chloride
Concen: 19.430 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 84 Resp: 206953
Ion Ratio Lower Upper
84 100
49 119.7 94.4 141.6
51 39.4 29.5 44.3
86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.729 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

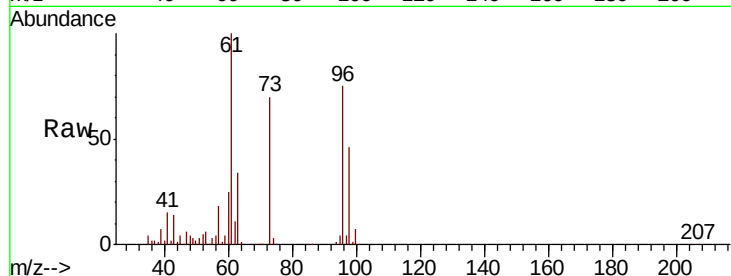
Tot Ion: 96 Resp: 204557

Ion Ratio Lower Upper

96 100

61 133.7 107.8 161.6

98 62.0 49.4 74.0

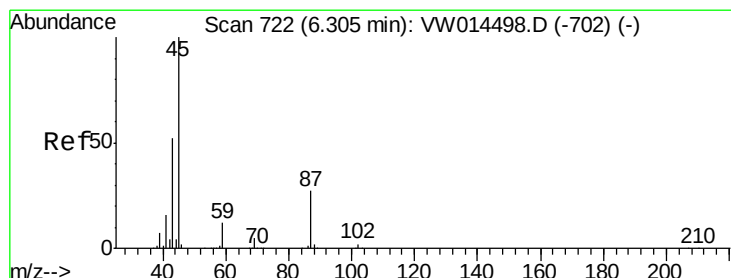
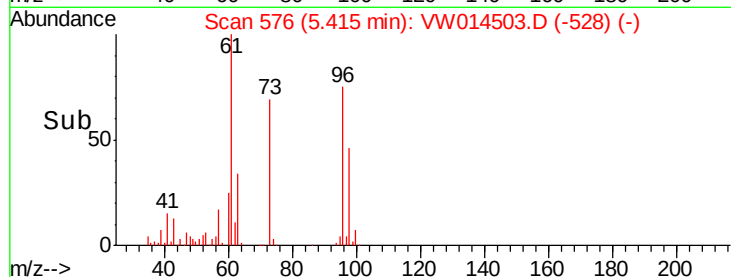
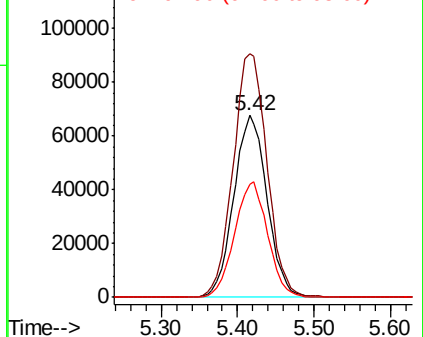


Abundance

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: 20.430 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Tgt Ion: 45 Resp: 543075

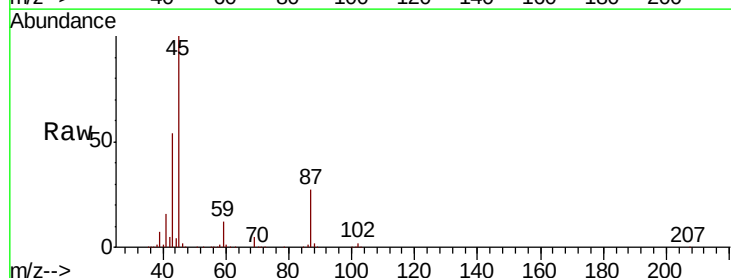
Ion Ratio Lower Upper

45 100

43 53.8 41.4 62.0

87 26.9 22.2 33.2

59 11.6 9.5 14.3



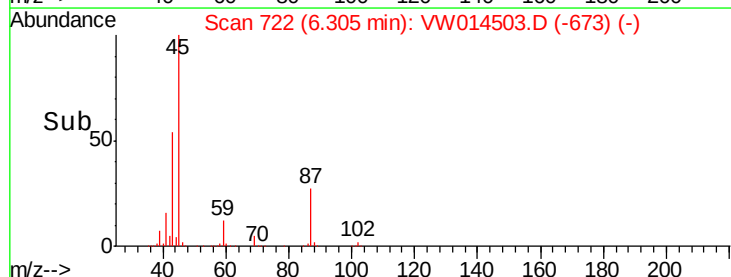
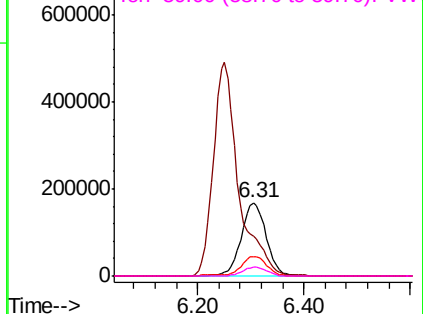
Abundance

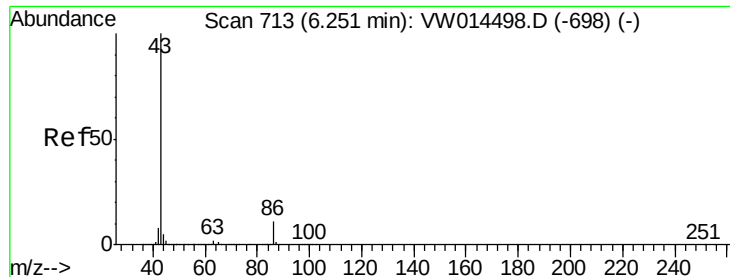
Ion 45.00 (44.70 to 45.70): VW

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: 100.537 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

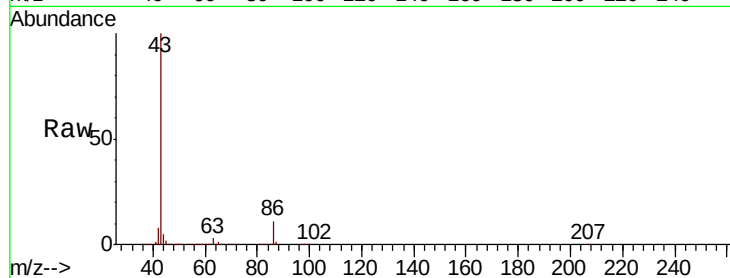
ClientSampled :

Tot Ion: 43 Resp: 1613828

Ion Ratio Lower Upper

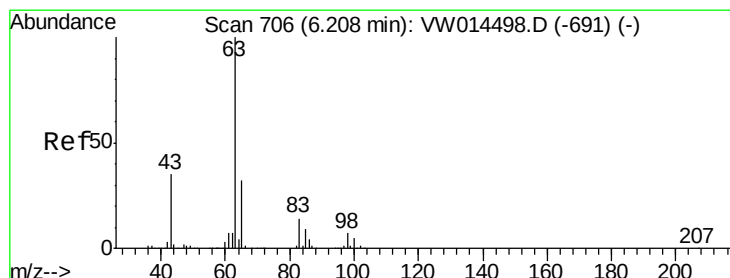
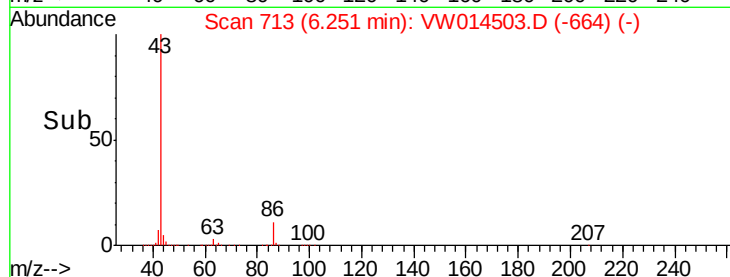
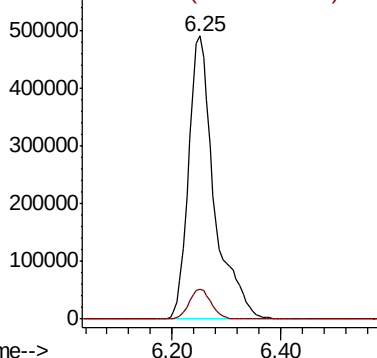
43 100

86 10.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.355 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

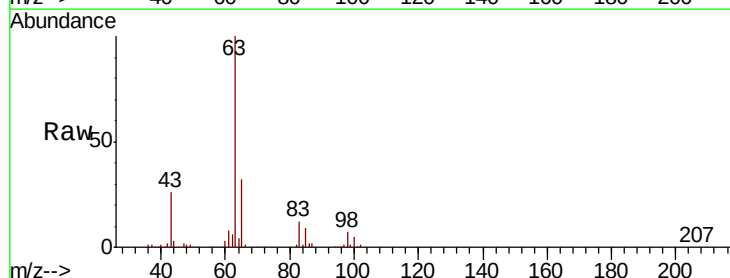
Tgt Ion: 63 Resp: 341314

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

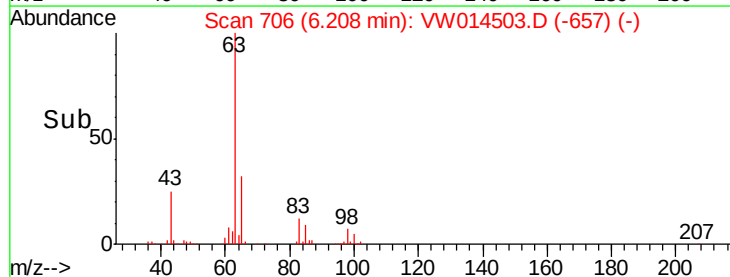
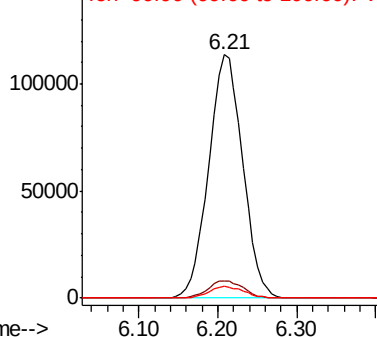
100 4.7 2.5 7.4

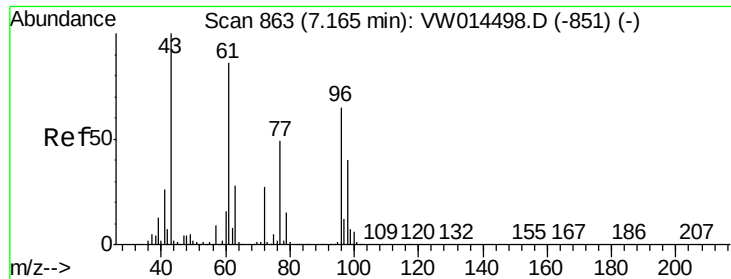


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

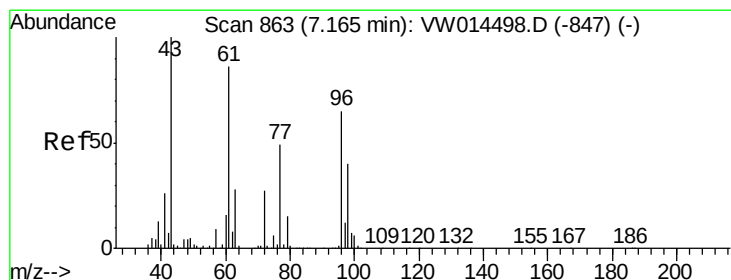
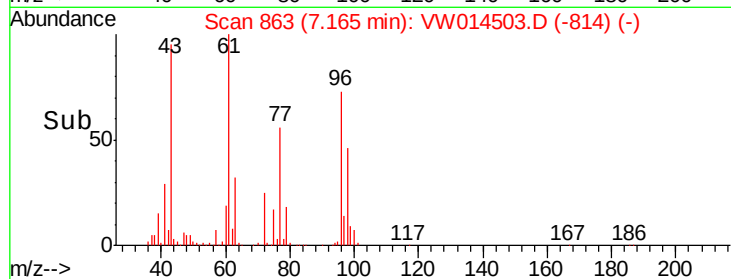
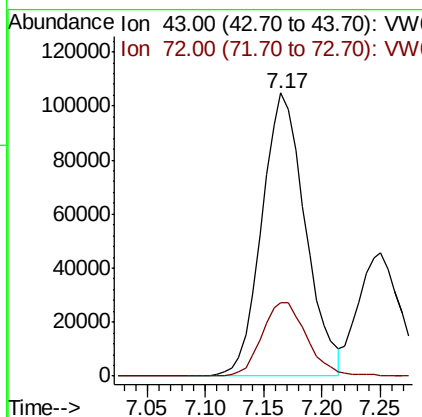
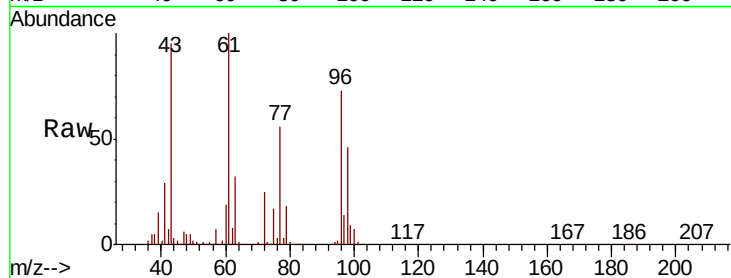




#25
2-Butanone
Concen: 91.596 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

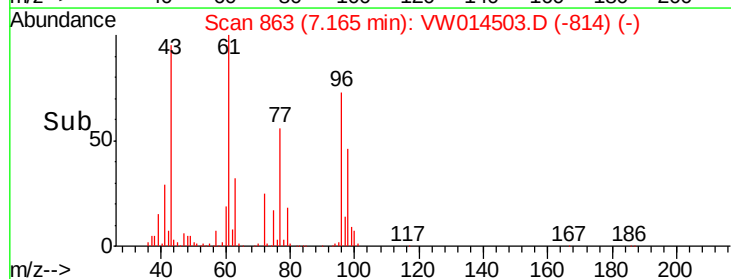
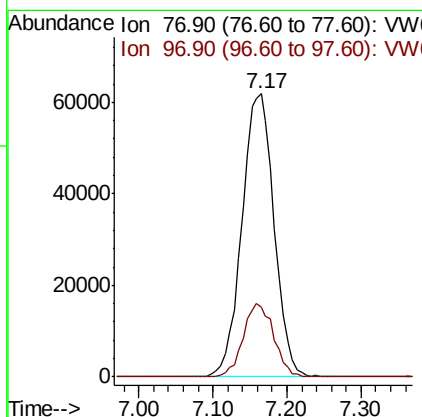
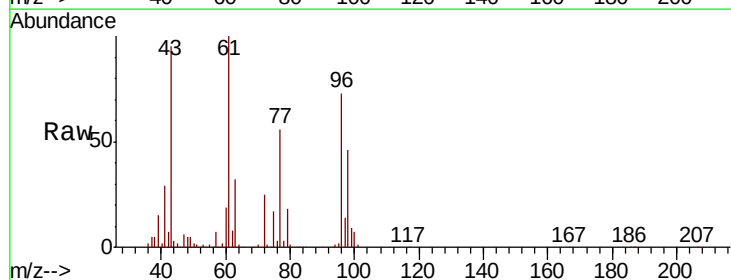
Instrument :
MSVOA_W
ClientSampled :

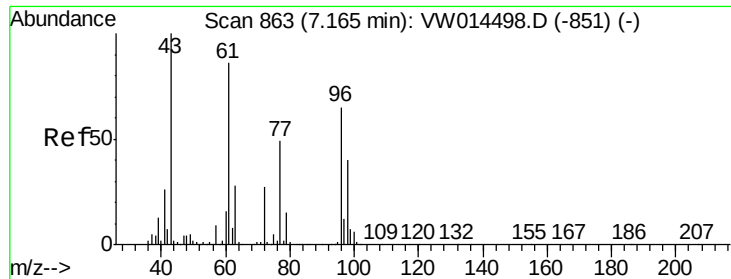
Tot Ion: 43 Resp: 271013
Ion Ratio Lower Upper
43 100
72 26.1 21.9 32.9



#26
2,2-Dichloropropane
Concen: 20.137 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 77 Resp: 186943
Ion Ratio Lower Upper
77 100
97 24.6 12.5 37.5



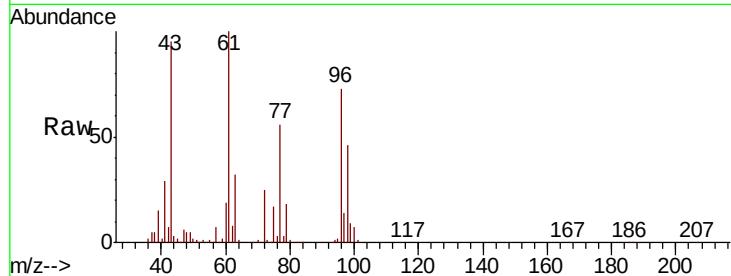


#27

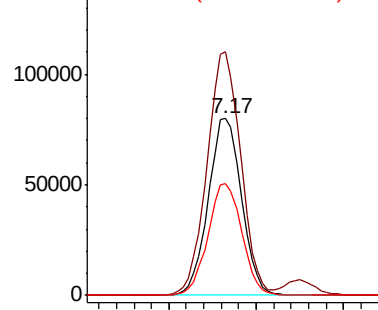
cis-1,2-Dichloroethene
 Concen: 20.485 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Instrument :
 MSVOA_W
 ClientSampled :

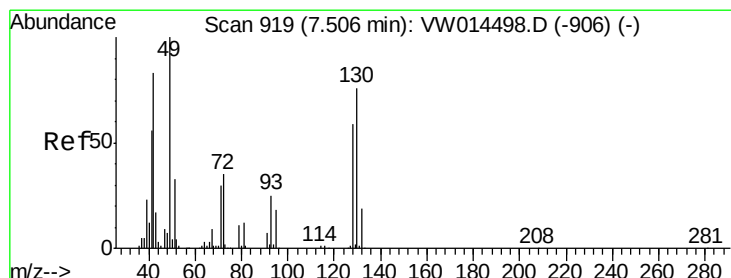
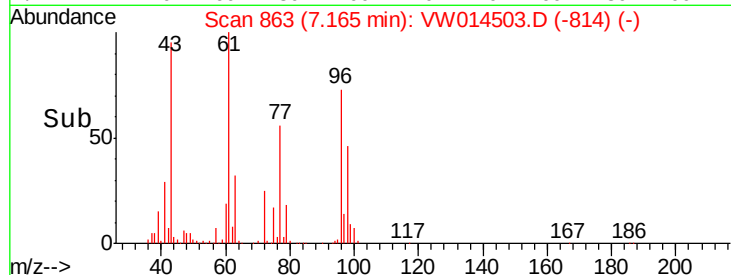
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	274.8
98	64.0	0.0	128.6



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



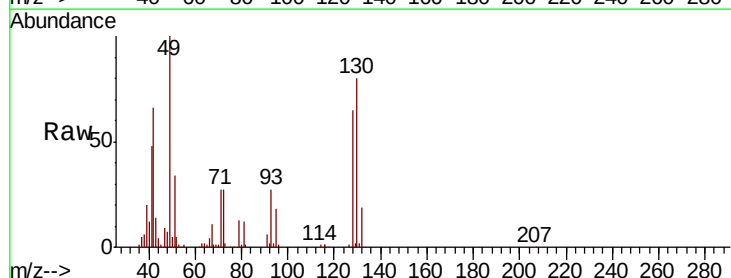
Time-->



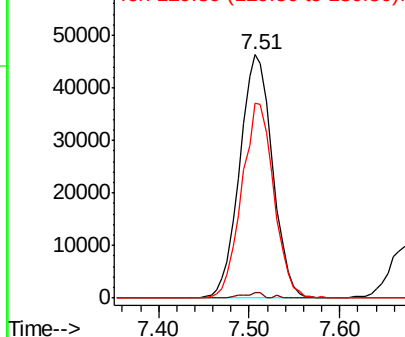
#28

Bromochloromethane
 Concen: 17.666 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

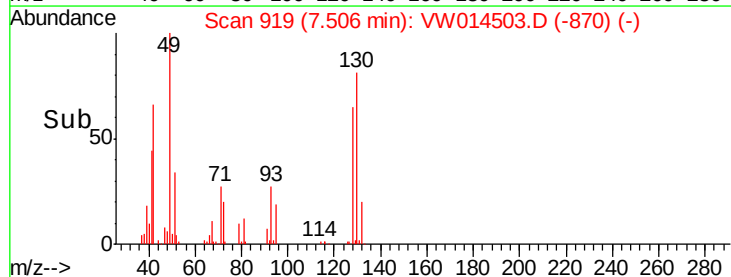
Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.0
130	78.2	62.5	93.7

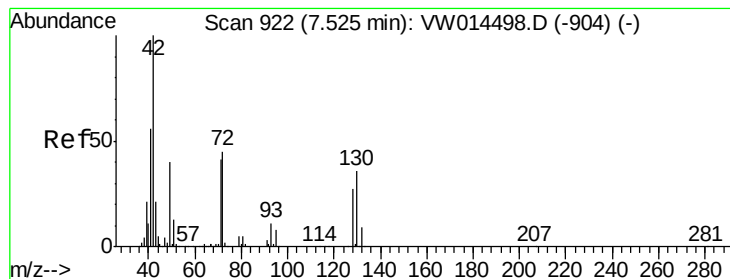


Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



Time-->





#29

Tetrahydrofuran

Concen: 92.334 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

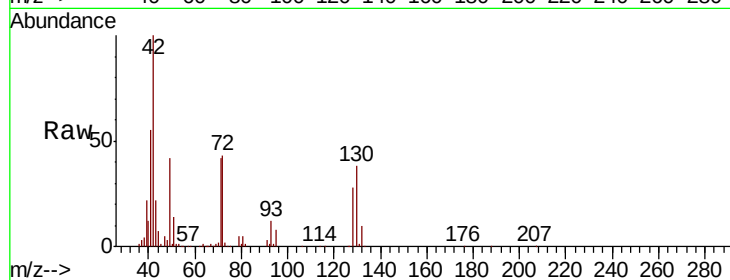
Tot Ion: 42 Resp: 169248

Ion Ratio Lower Upper

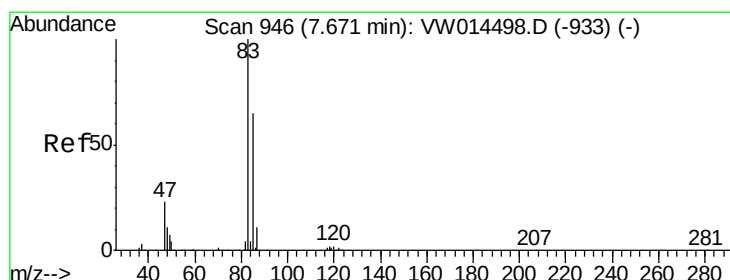
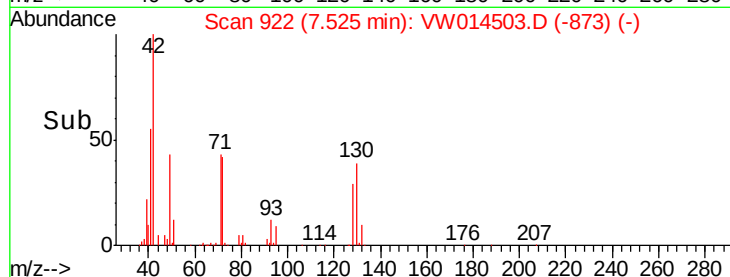
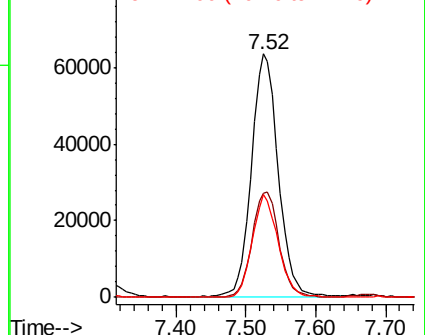
42 100

72 43.4 34.5 51.7

71 40.6 32.0 48.0



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



#30

Chloroform

Concen: 20.544 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014503.D

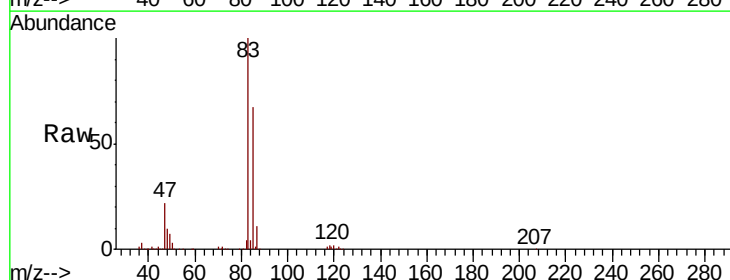
Acq: 03 Jan 2020 17:19

Tgt Ion: 83 Resp: 322132

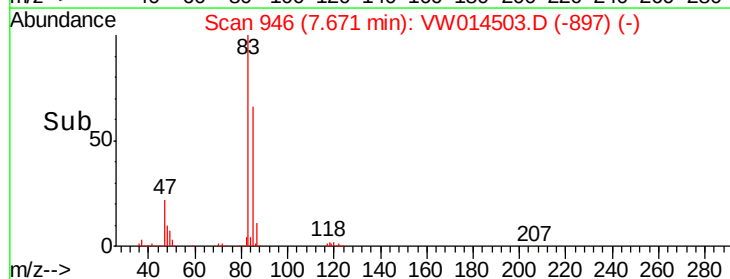
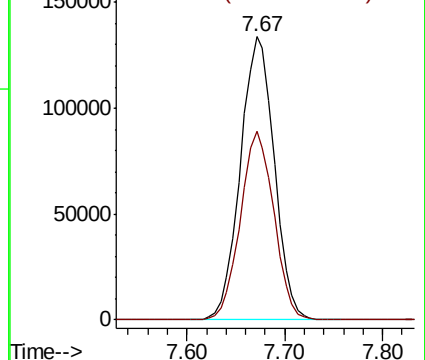
Ion Ratio Lower Upper

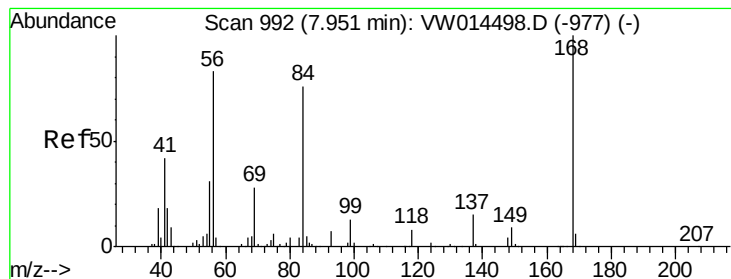
83 100

85 66.5 52.2 78.2



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





#31

Cyclohexane

Concen: 19.839 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

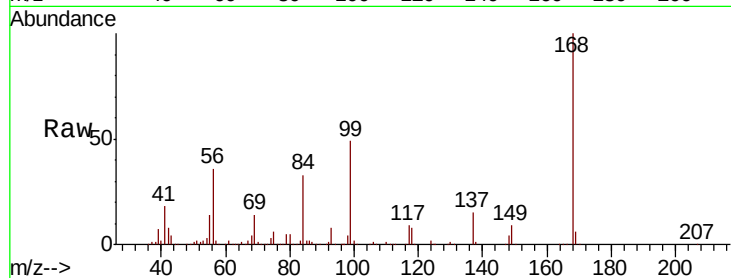
Tot Ion: 56 Resp: 345717

Ion Ratio Lower Upper

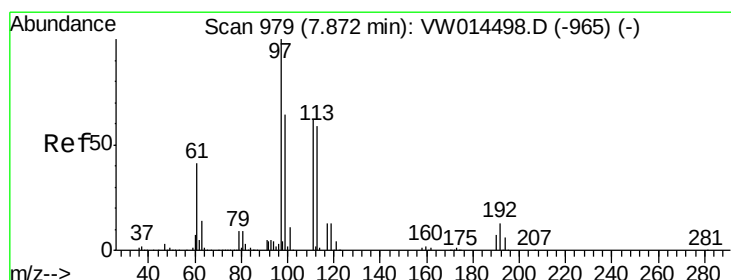
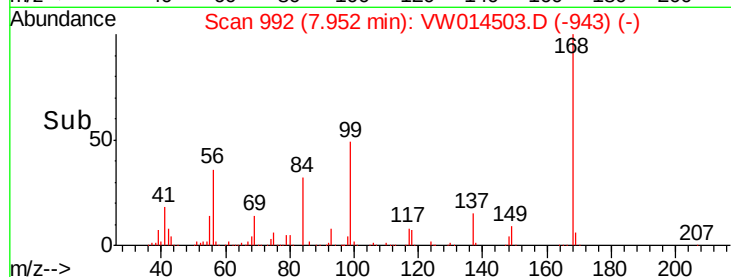
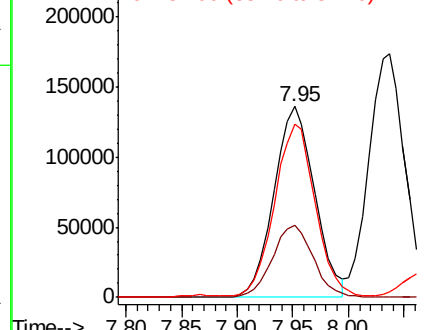
56 100

69 38.0 26.8 40.2

84 90.0 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: 20.566 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

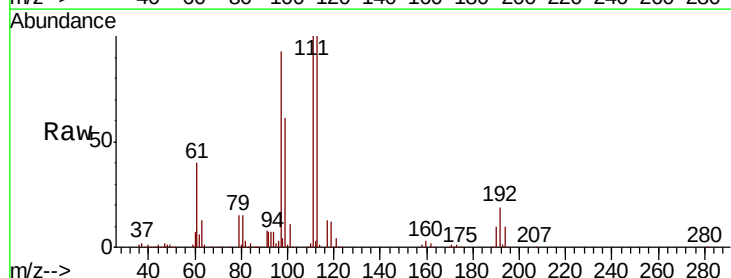
Tgt Ion: 97 Resp: 259365

Ion Ratio Lower Upper

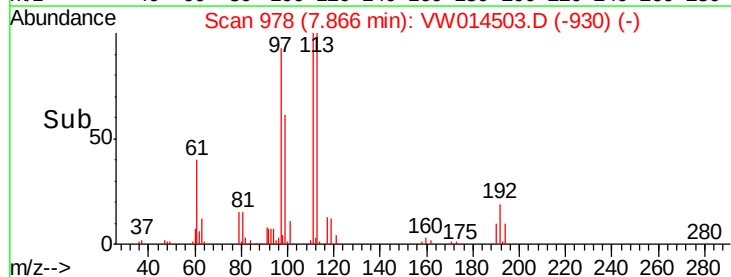
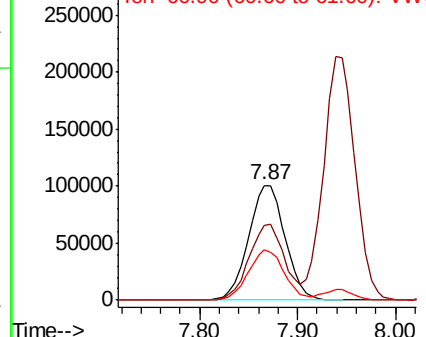
97 100

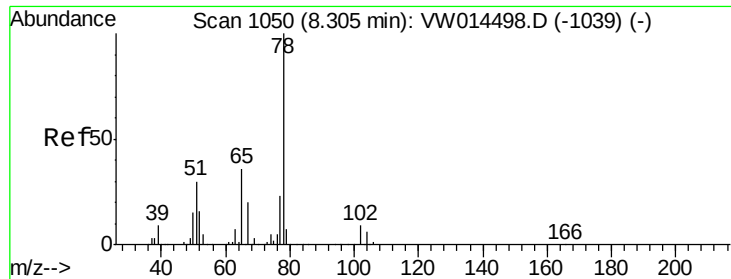
99 64.2 51.8 77.6

61 43.3 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

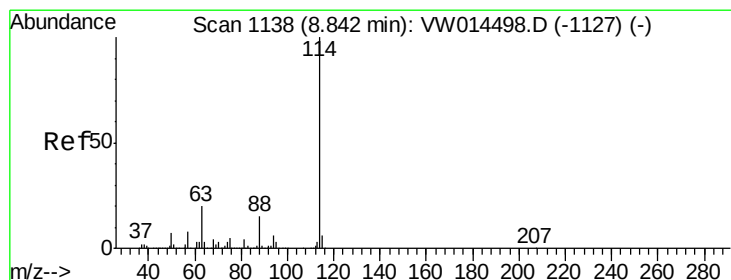
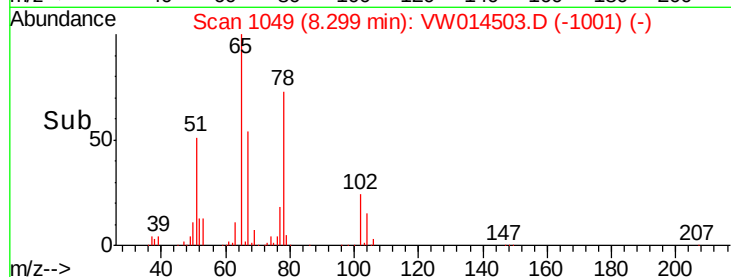
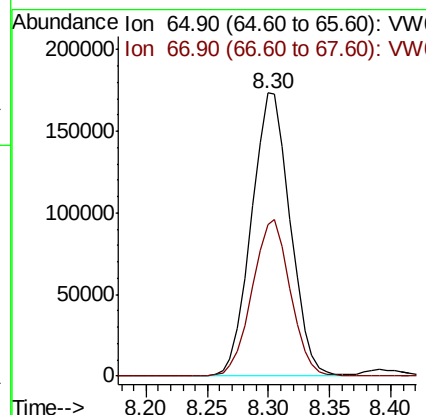
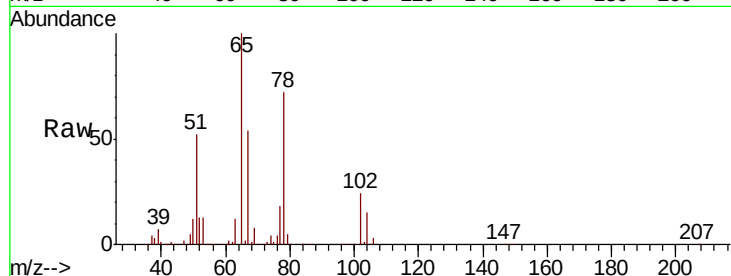




#33
 1,2-Dichloroethane-d4
 Concen: 46.802 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

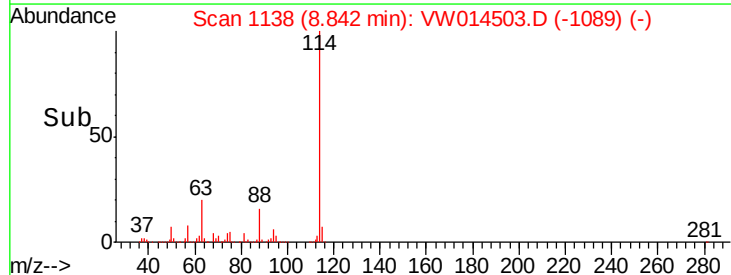
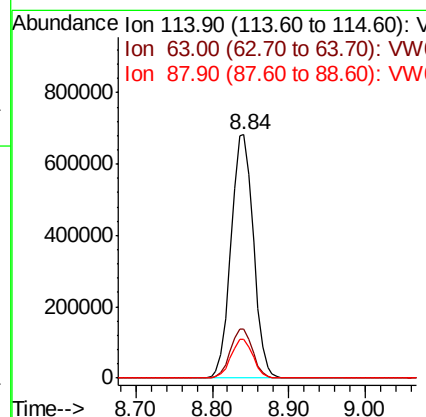
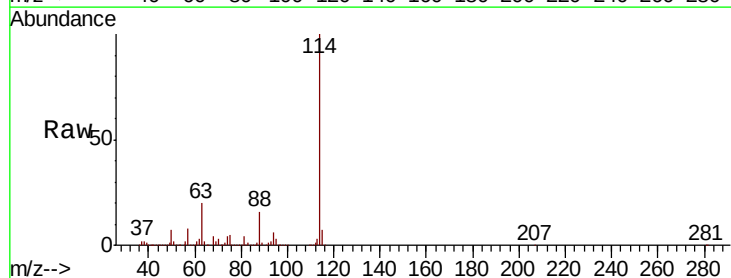
Instrument :
 MSVOA_W
 ClientSampleId :

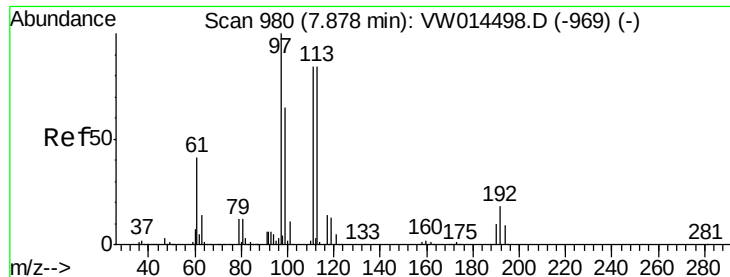
Tot Ion: 65 Resp: 382148
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion: 114 Resp: 1380462
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 15.7 0.0 30.6

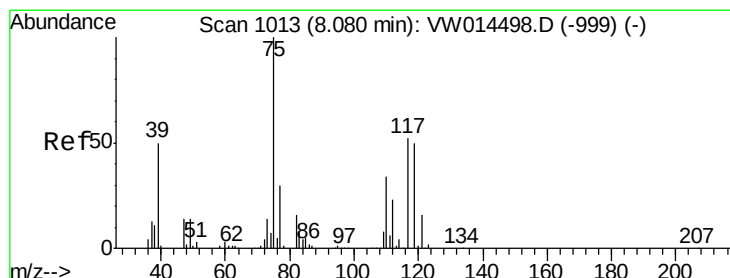
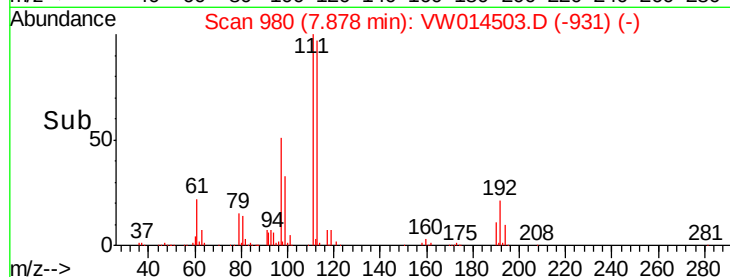
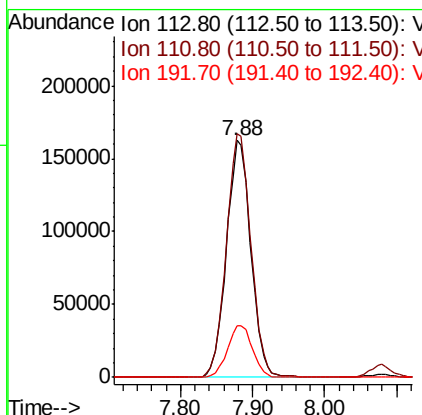
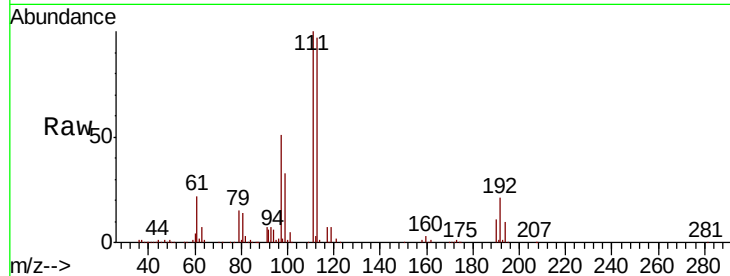




#35
 Dibromofluoromethane
 Concen: 48.589 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

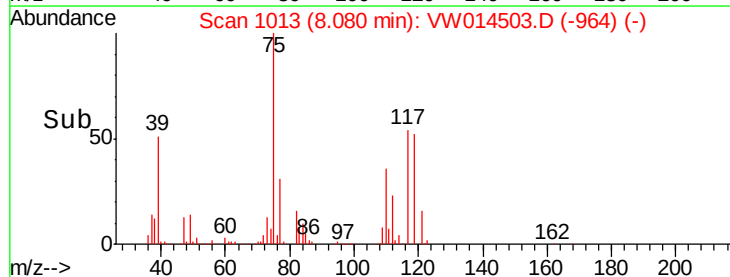
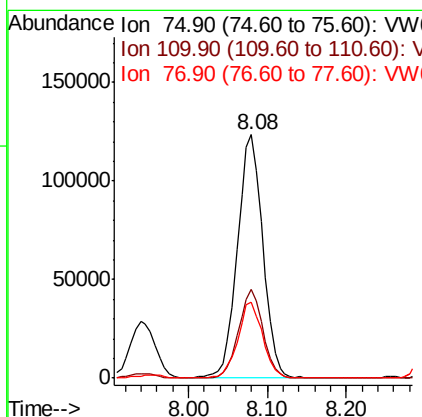
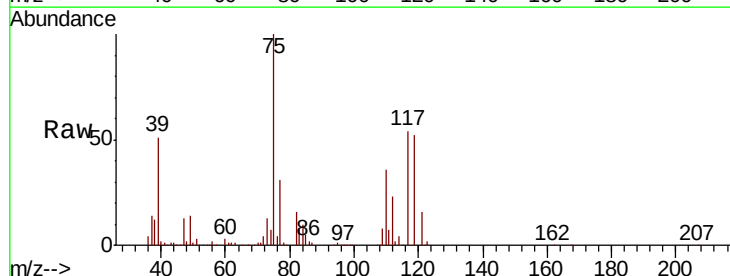
Instrument :
 MSVOA_W
 ClientSampleId :

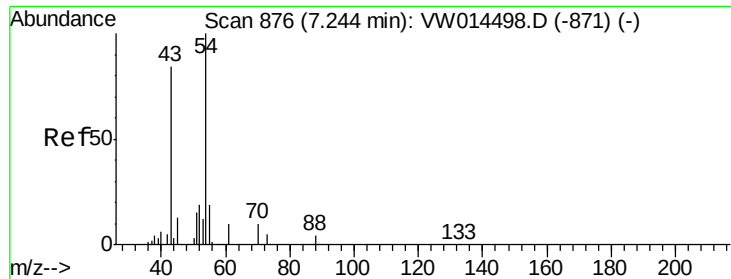
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	22.3	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 20.693 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.8	53.5
77	31.0	24.7	37.1

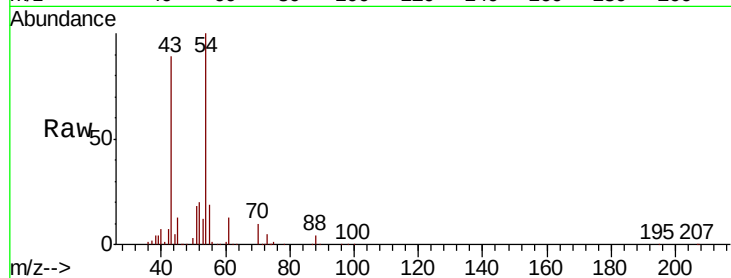




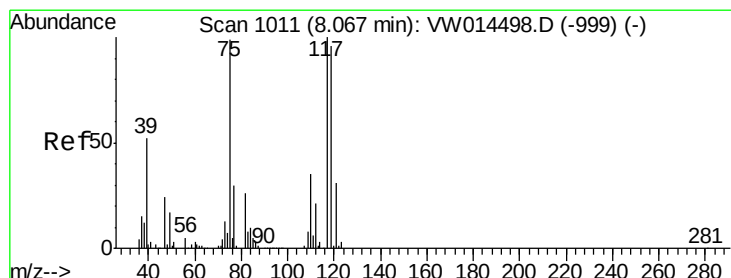
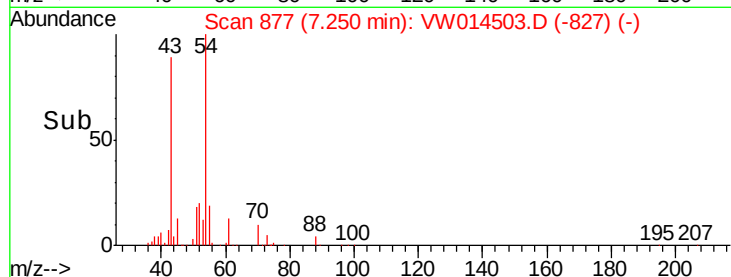
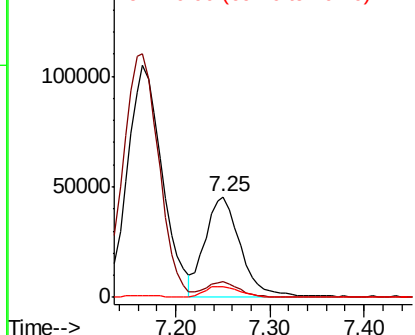
#37
Ethyl Acetate
Concen: 19.478 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 117562
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 11.4 9.0 13.6

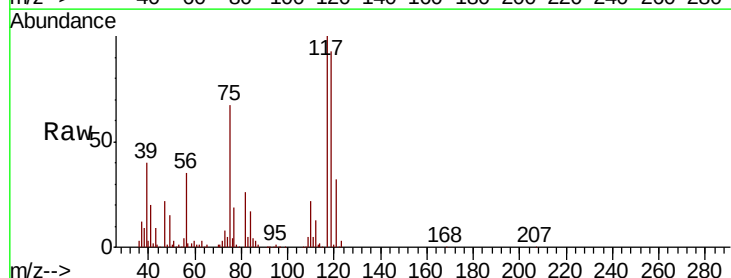


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

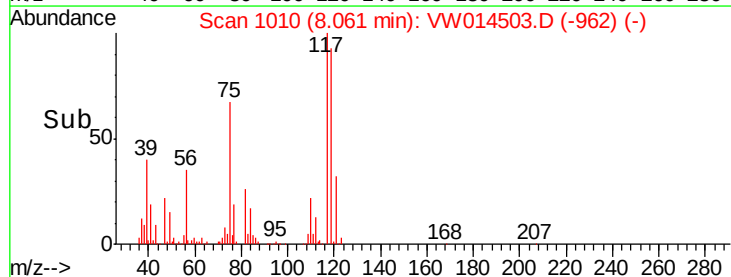
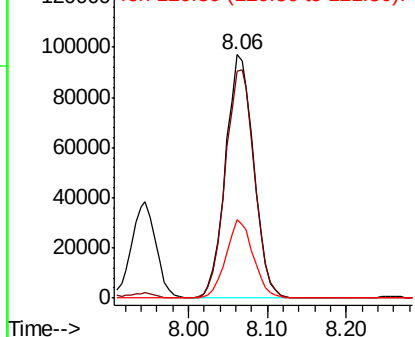


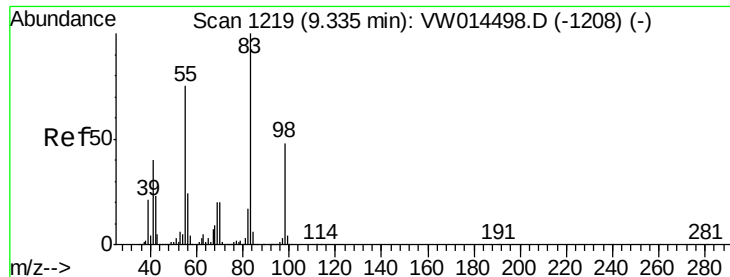
#38
Carbon Tetrachloride
Concen: 20.878 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 117 Resp: 241049
Ion Ratio Lower Upper
117 100
119 93.3 77.0 115.6
121 32.3 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

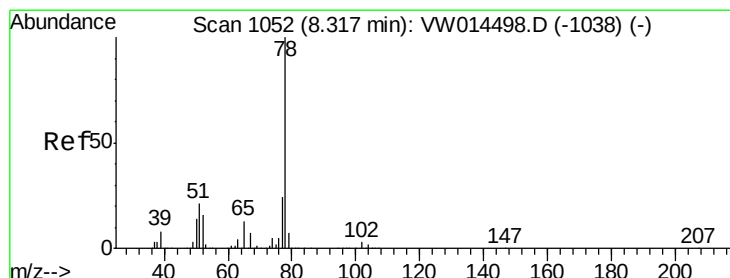
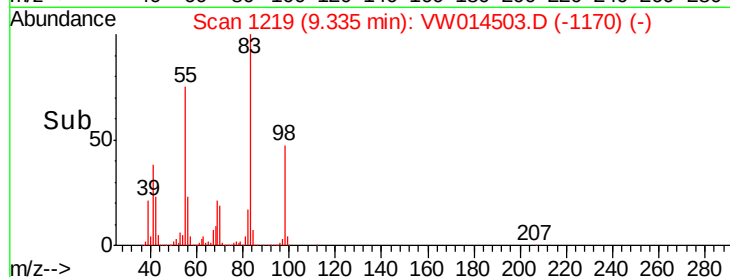
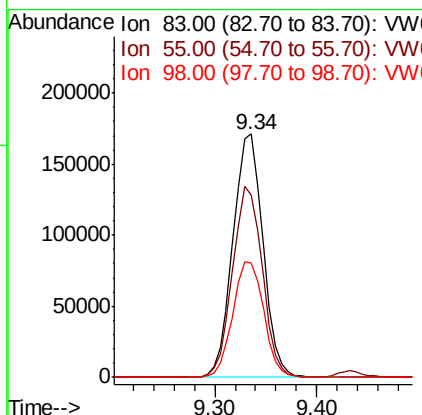
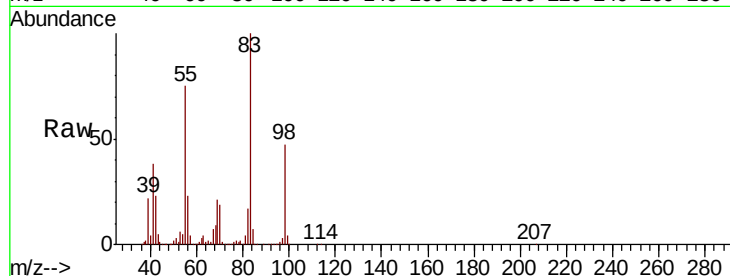




#39
Methylvlcyclohexane
Concen: 20.436 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

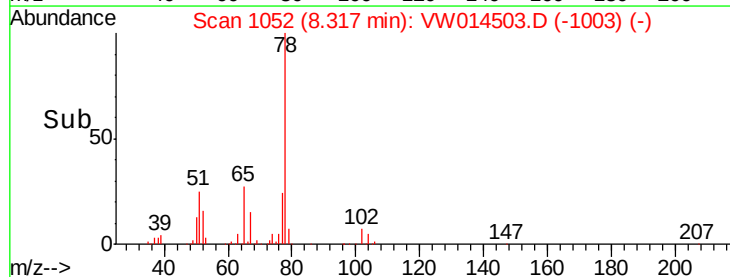
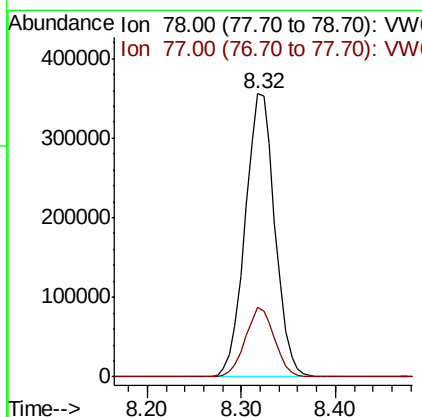
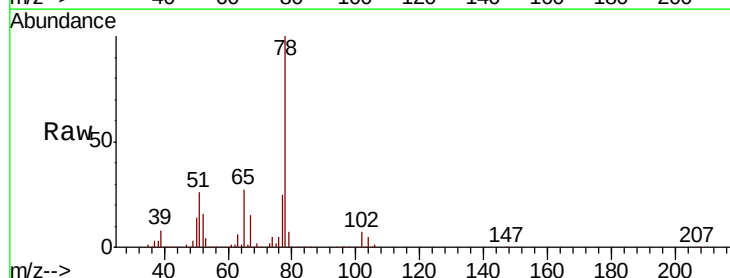
Instrument :
MSVOA_W
ClientSampled :

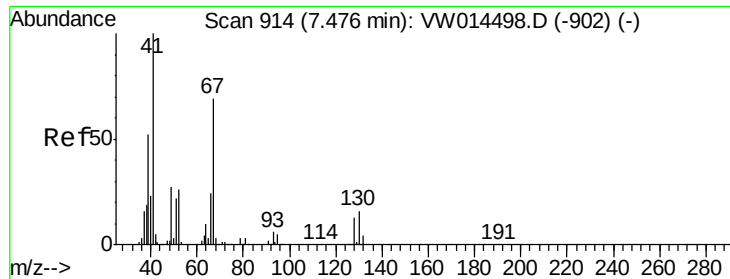
Tot Ion: 83 Resp: 349019
Ion Ratio Lower Upper
83 100
55 74.7 60.1 90.1
98 47.2 38.8 58.2



#40
Benzene
Concen: 20.972 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 78 Resp: 789667
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9

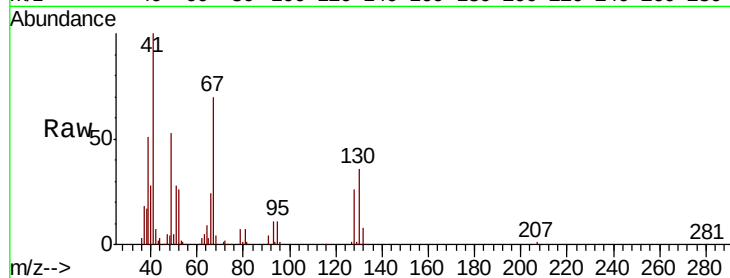




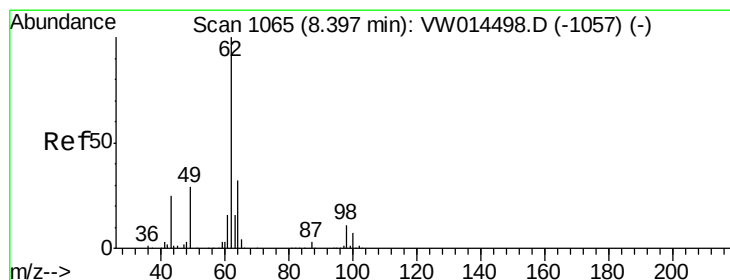
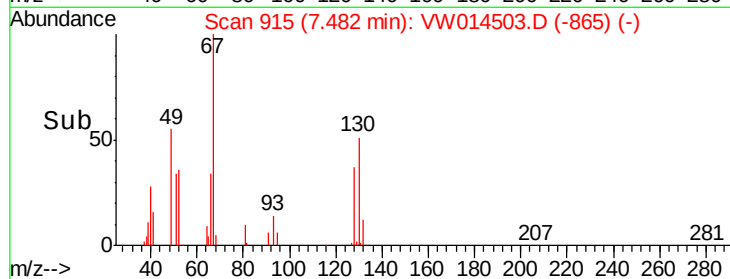
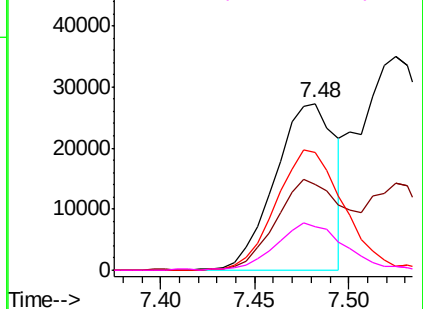
#41
Methacrylonitrile
Concen: 18.109 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	60929
Ion	Ratio	Lower	Upper
41	100		
39	64.1	46.0	69.0
67	80.8	60.8	91.2
52	31.0	23.7	35.5

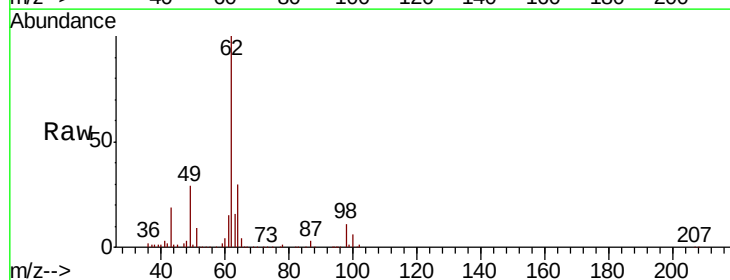


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

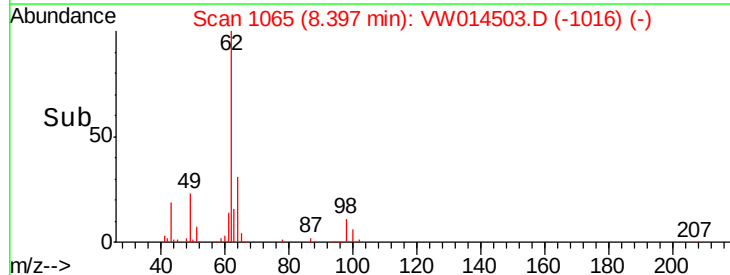
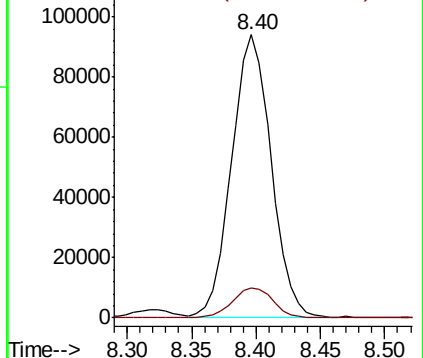


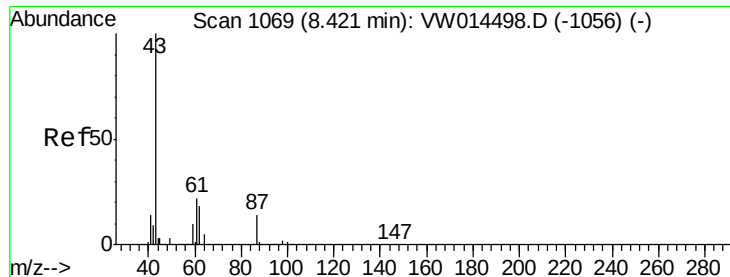
#42
1,2-Dichloroethane
Concen: 20.437 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:	62	Resp:	199698
Ion	Ratio	Lower	Upper
62	100		
98	10.9	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: 19.692 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

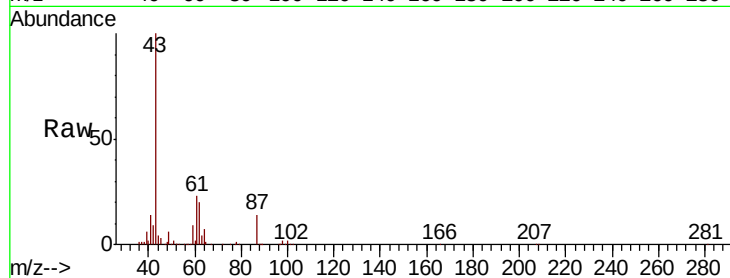
Tot Ion: 43 Resp: 215834

Ion Ratio Lower Upper

43 100

61 31.2 24.7 37.1

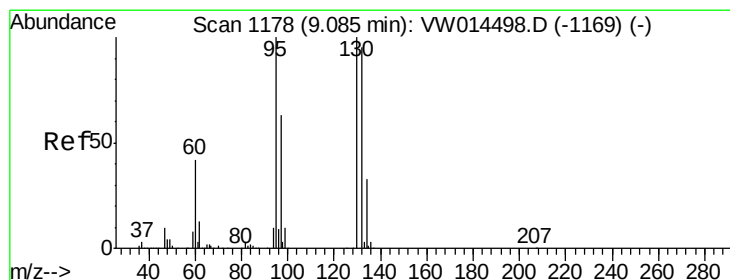
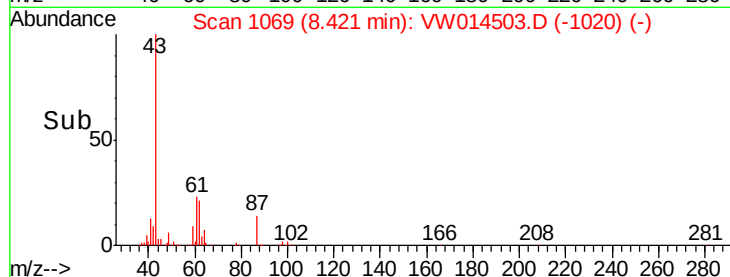
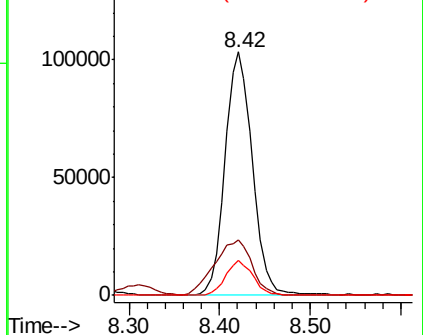
87 14.4 11.1 16.7



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: 20.807 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014503.D

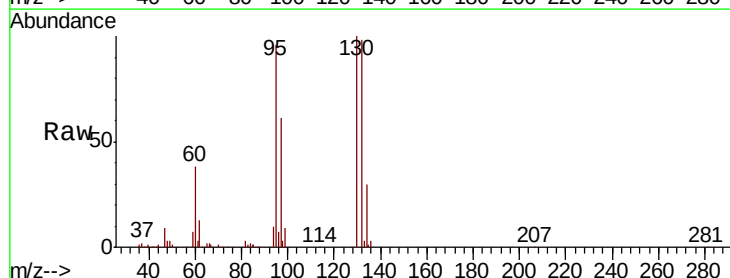
Acq: 03 Jan 2020 17:19

Tgt Ion:130 Resp: 211996

Ion Ratio Lower Upper

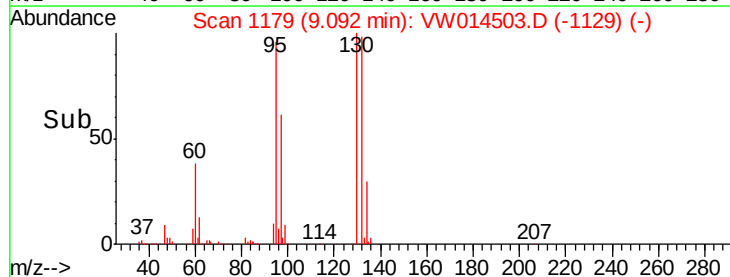
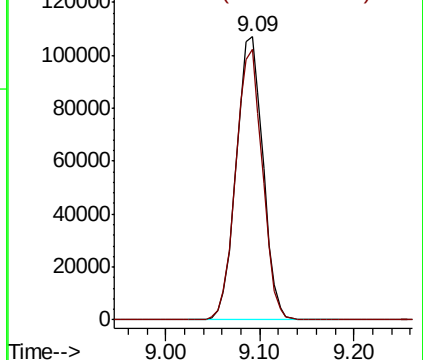
130 100

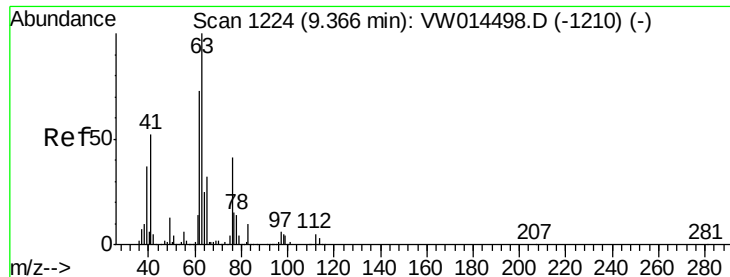
95 95.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

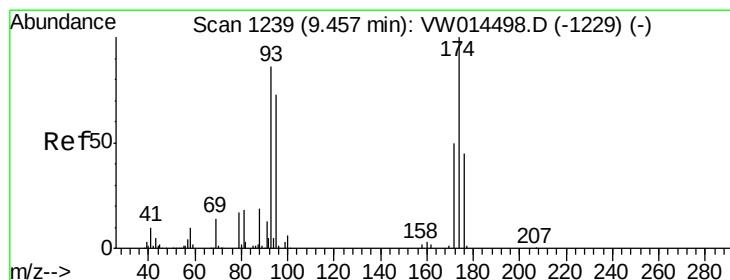
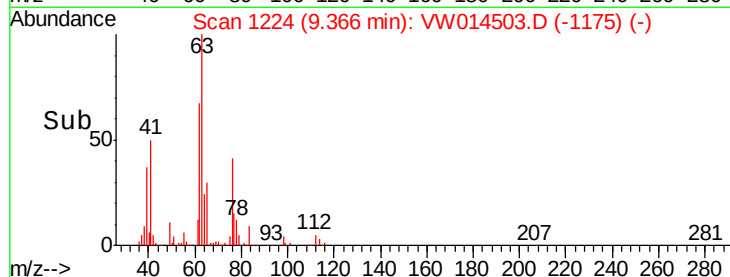
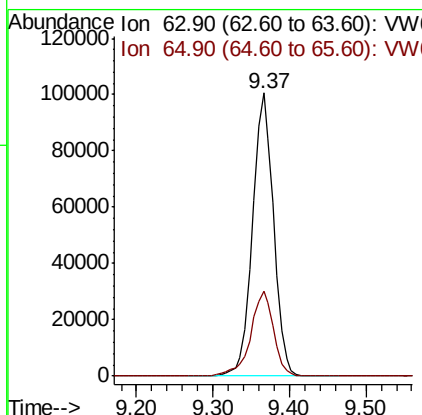
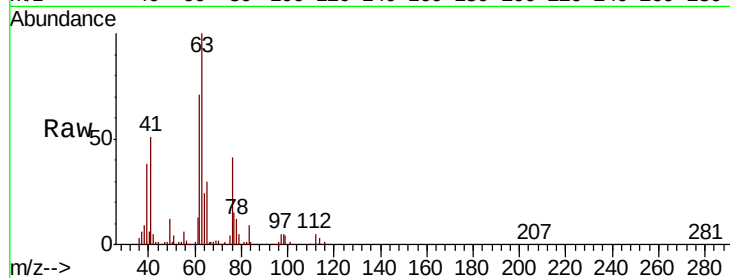




#45
 1,2-Dichloropropane
 Concen: 20.916 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

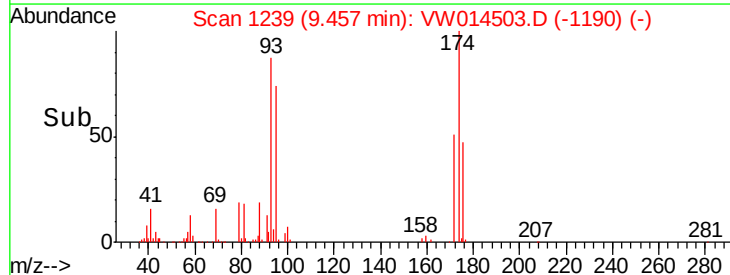
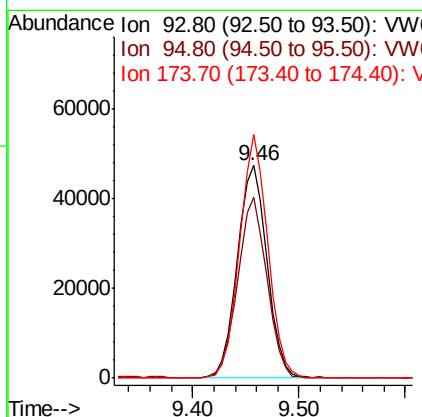
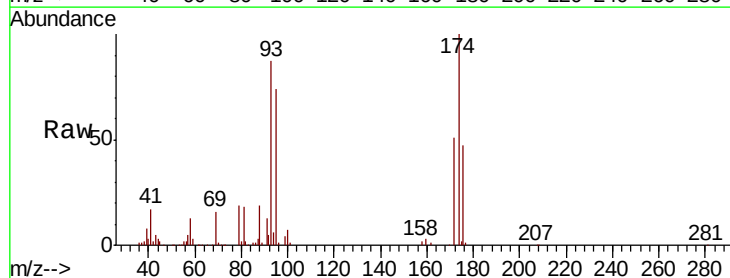
Instrument :
 MSVOA_W
 ClientSampled :

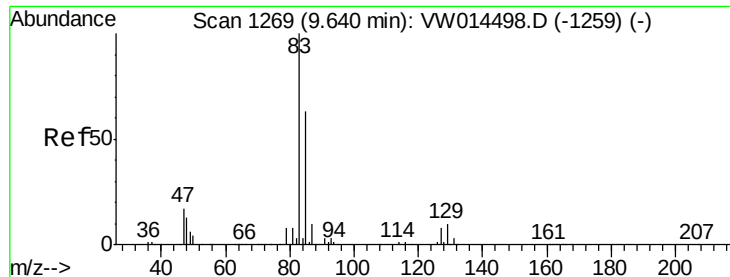
Tot Ion: 63 Resp: 193259
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.6 38.4



#46
 Dibromomethane
 Concen: 20.440 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion: 93 Resp: 93236
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.4 99.6
 174 109.0 89.1 133.7





#47

Bromodichloromethane

Concen: 20.628 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

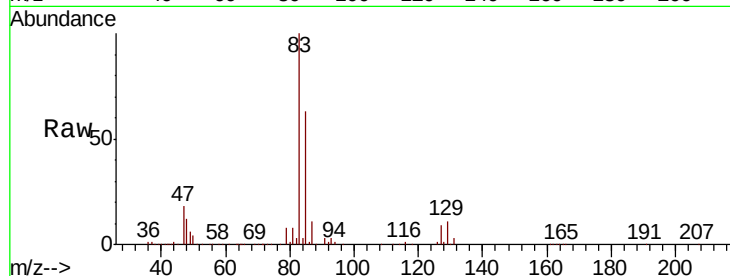
Tot Ion: 83 Resp: 232302

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0

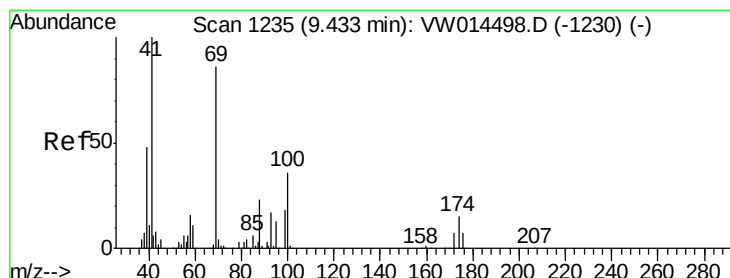
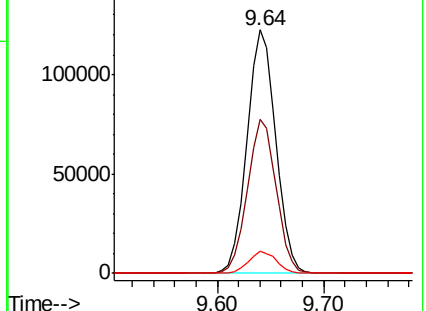
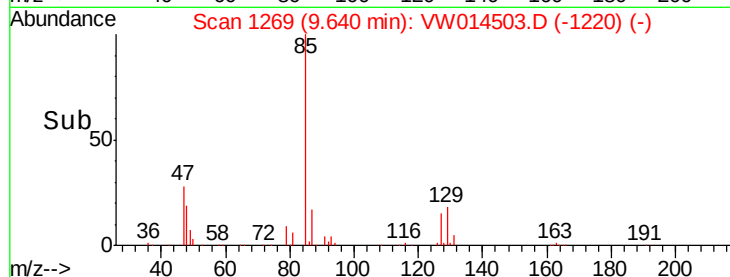
127 9.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.614 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

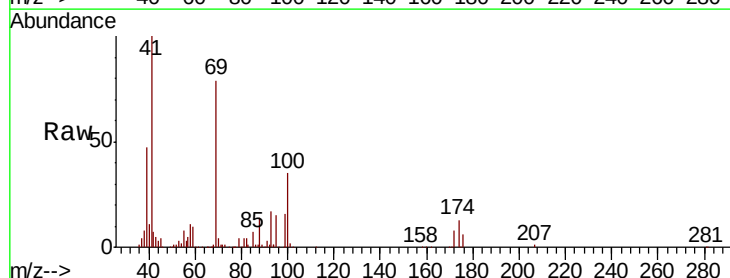
Tgt Ion: 41 Resp: 104958

Ion Ratio Lower Upper

41 100

69 82.8 68.3 102.5

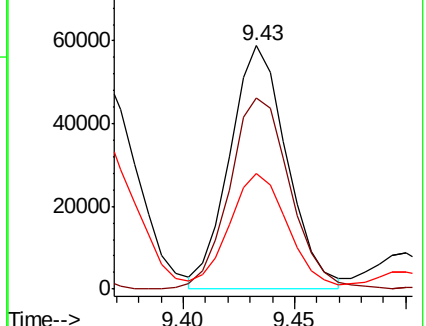
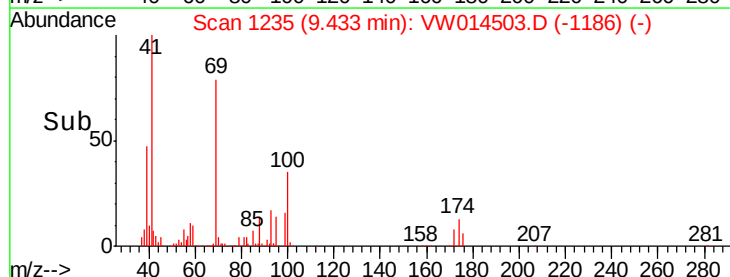
39 45.5 36.8 55.2

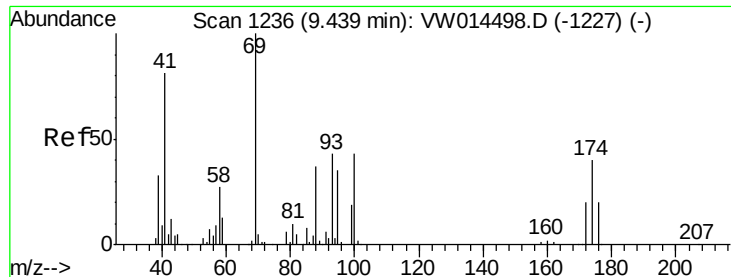


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

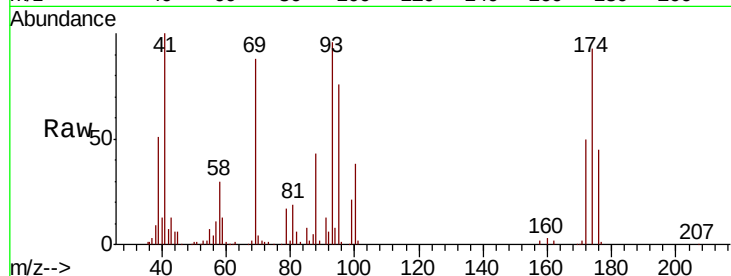




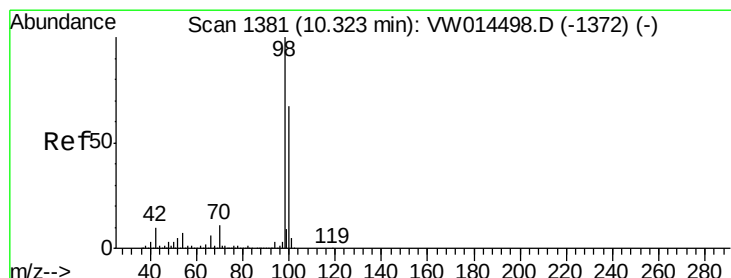
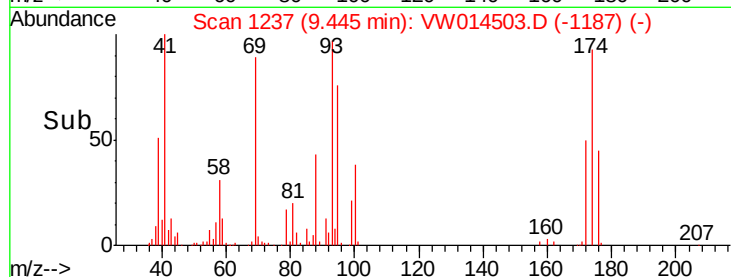
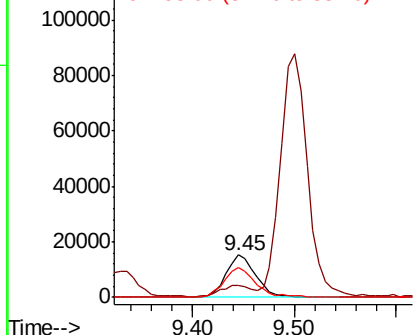
#49
1,4-Dioxane
Concen: 359.667 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 30685
Ion Ratio Lower Upper
88 100
43 28.9 24.9 37.3
58 75.4 56.9 85.3

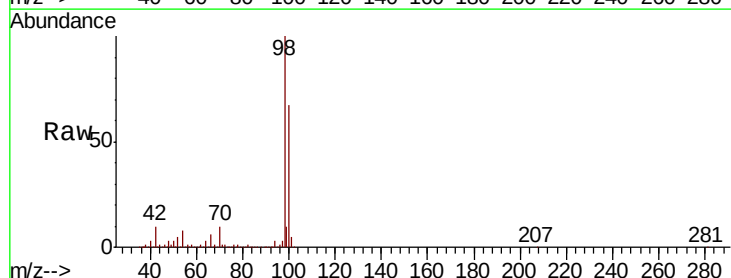


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

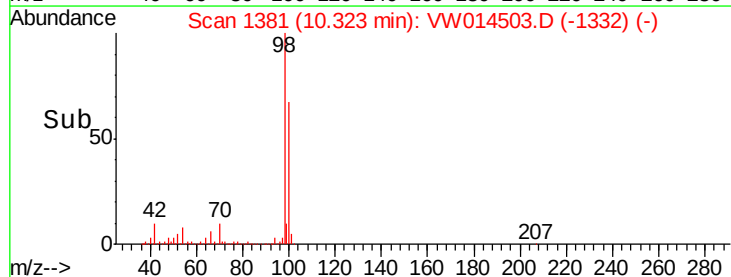
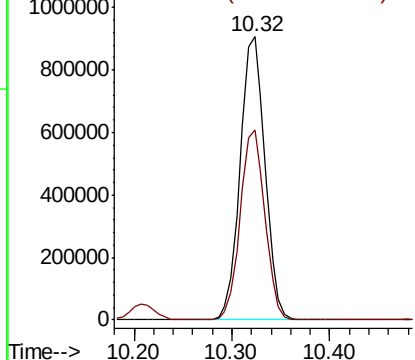


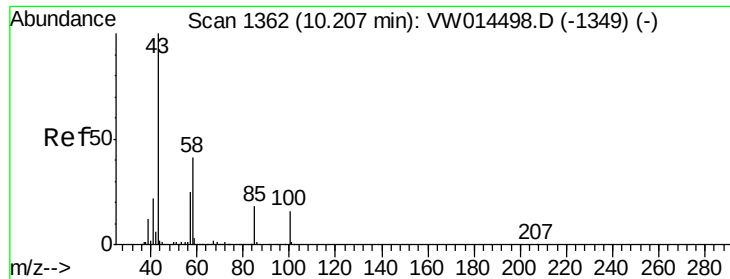
#50
Toluene-d8
Concen: 48.498 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 98 Resp: 1596805
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

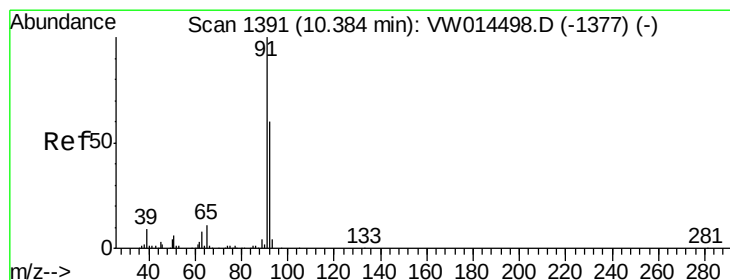
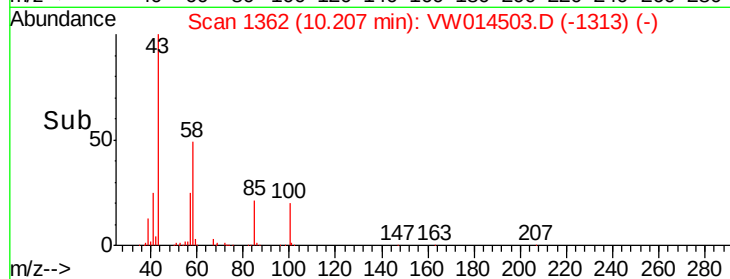
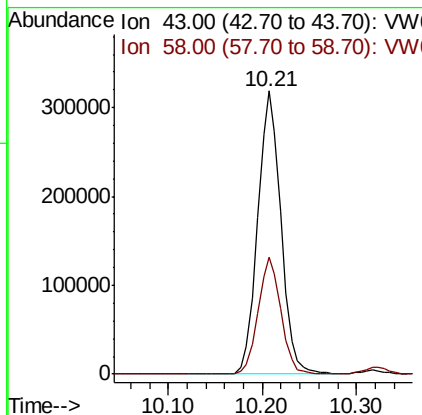
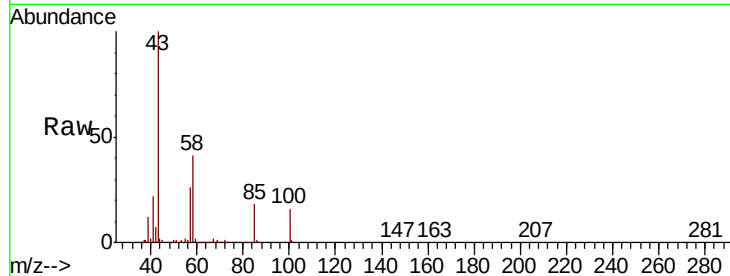




#51
4-Methyl-2-Pentanone
Concen: 97.022 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

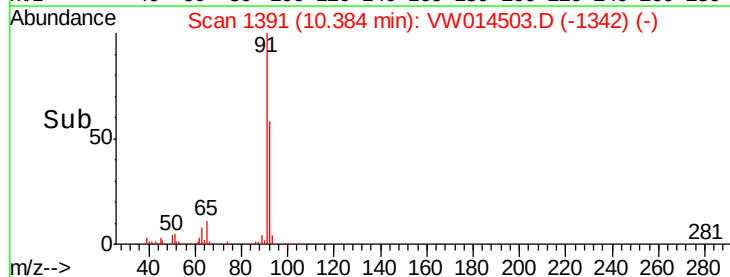
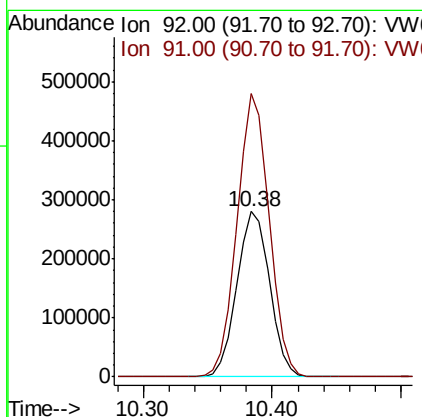
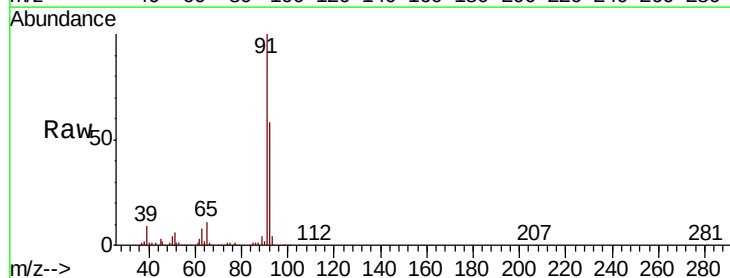
Instrument :
MSVOA_W
ClientSampled :

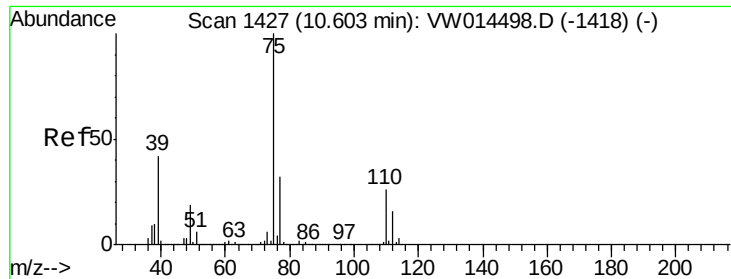
Tot Ion: 43 Resp: 552217
Ion Ratio Lower Upper
43 100
58 40.8 32.7 49.1



#52
Toluene
Concen: 20.805 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 92 Resp: 492846
Ion Ratio Lower Upper
92 100
91 168.3 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 20.185 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

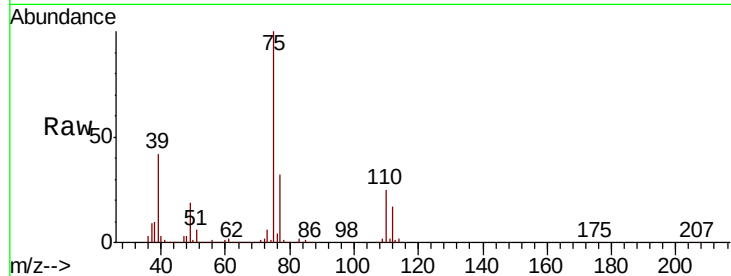
ClientSampled :

Tot Ion: 75 Resp: 235361

Ion Ratio Lower Upper

75 100

77 31.9 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

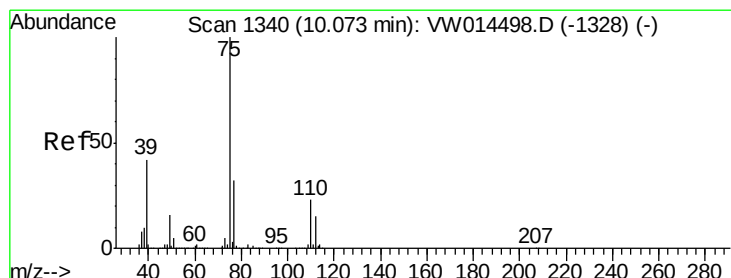
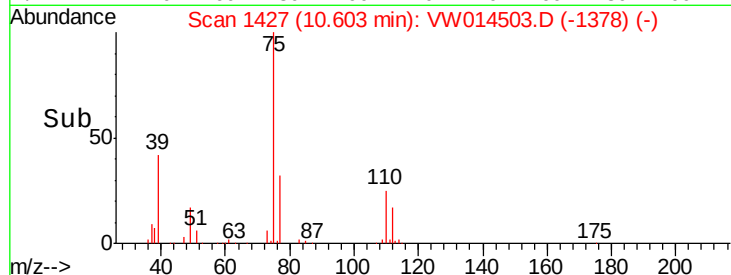
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.472 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

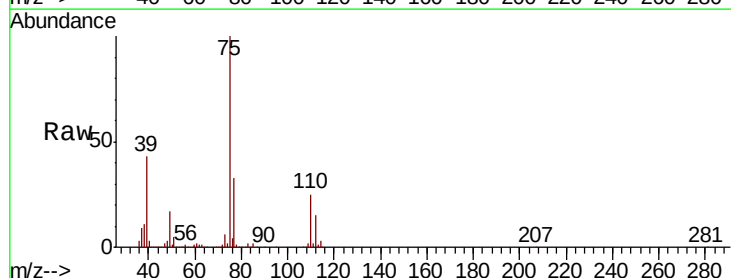
Tgt Ion: 75 Resp: 291735

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0

39 43.4 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

200000

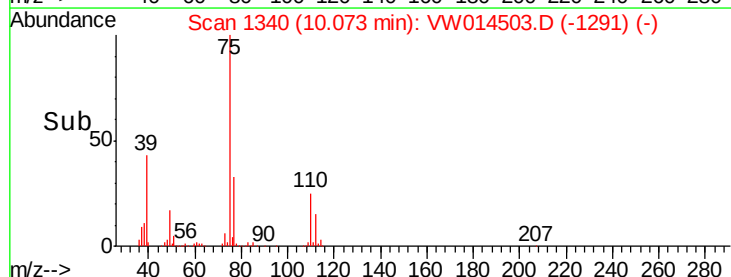
150000

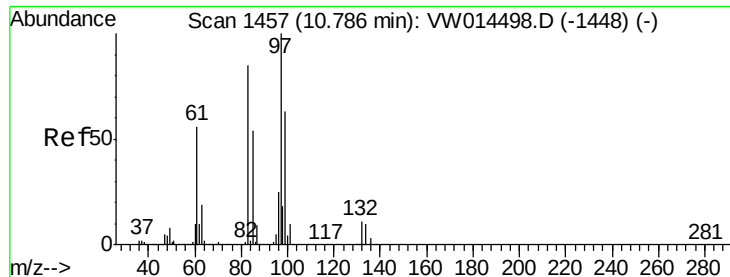
100000

50000

0

Time-->

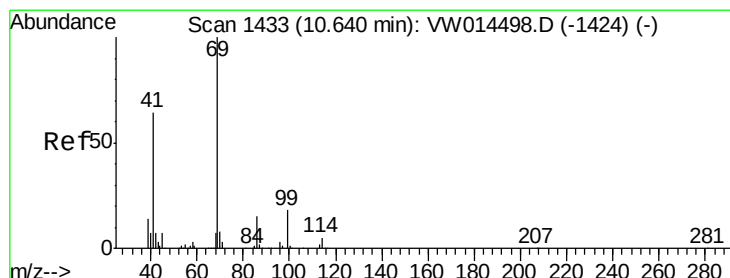
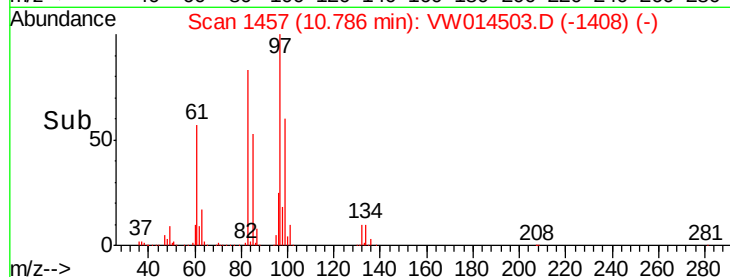
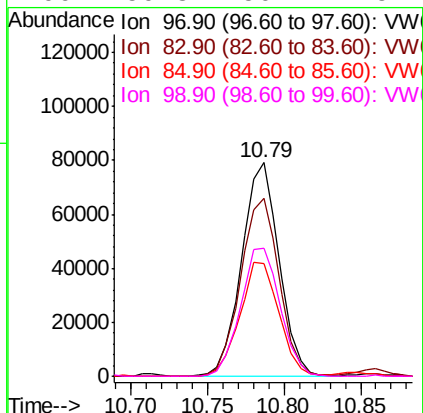
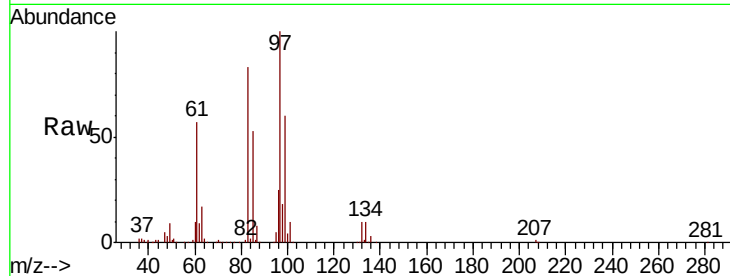




#55
 1,1,2-Trichloroethane
 Concen: 20.137 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

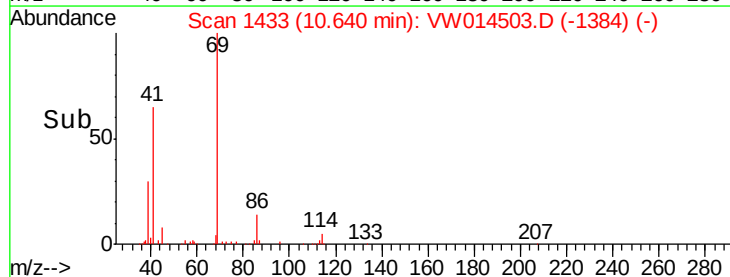
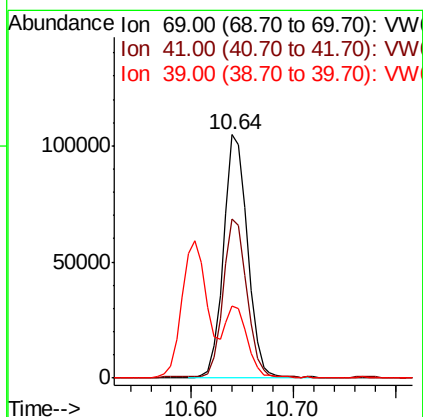
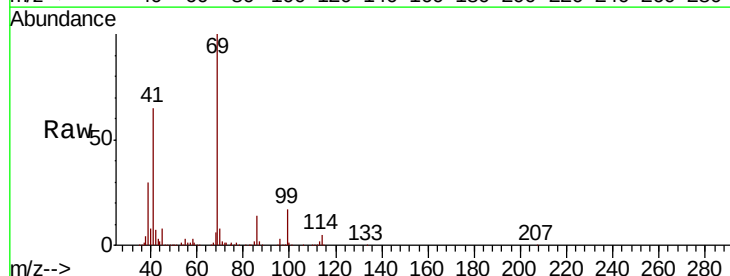
Instrument :
 MSVOA_W
 ClientSampleId :

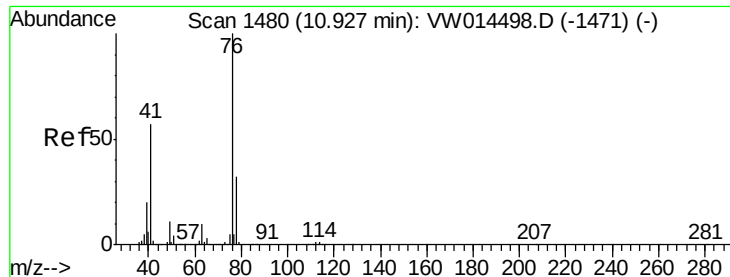
Tot Ion:	97	Resp:	134151
Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.2	102.4
85	53.1	43.0	64.4
99	59.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 19.850 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion:	69	Resp:	171857
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.3	76.9
39	26.9	21.0	31.6

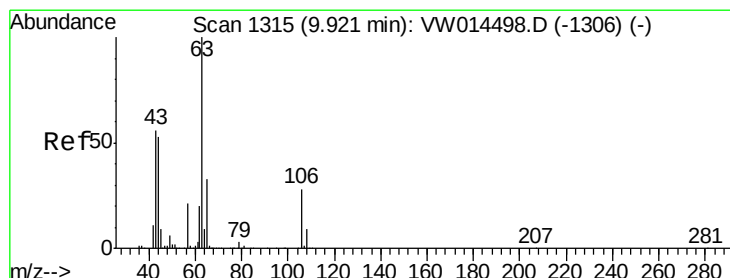
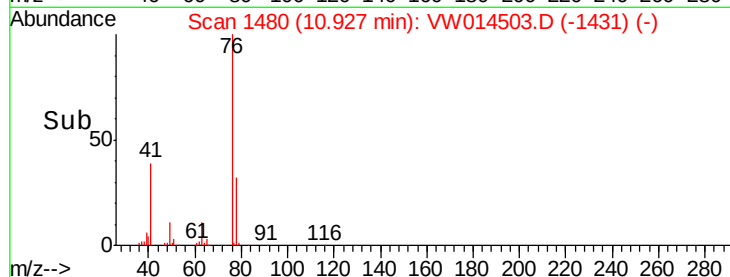
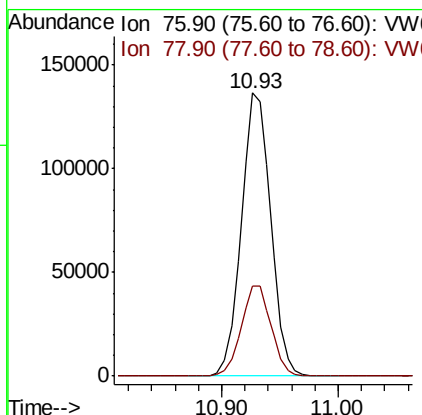
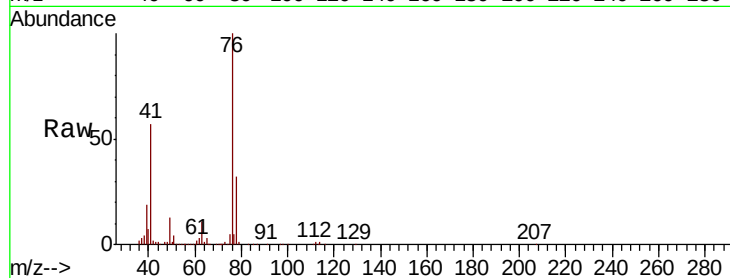




#57
 1,3-Dichloropropane
 Concen: 20.502 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

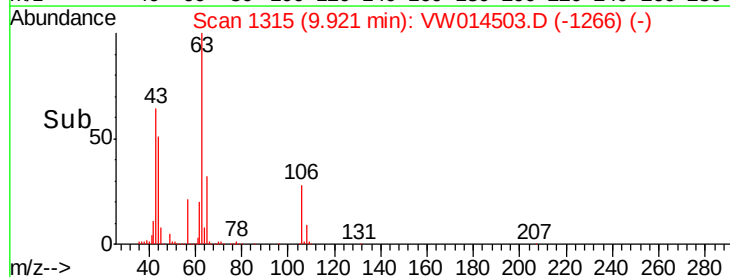
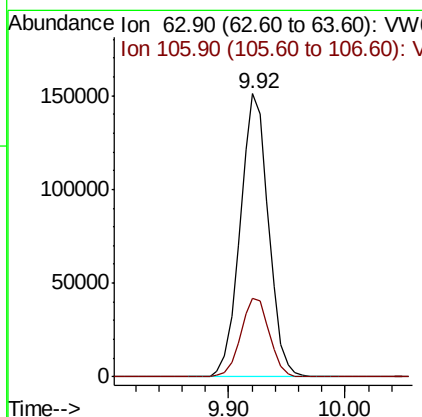
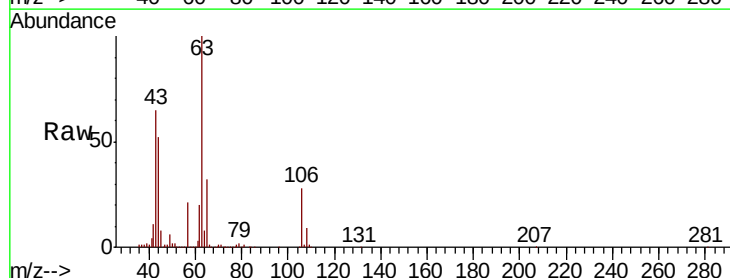
Instrument :
 MSVOA_W
 ClientSampled :

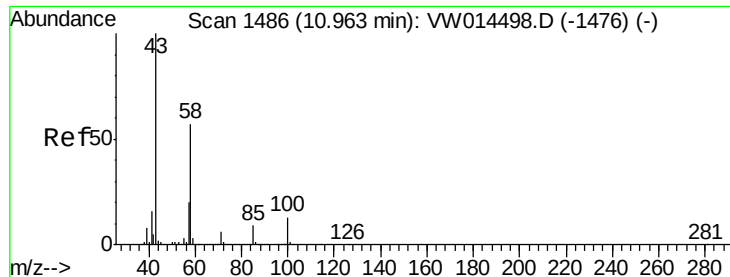
Tot Ion: 76 Resp: 240048
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.215 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion: 63 Resp: 255980
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6

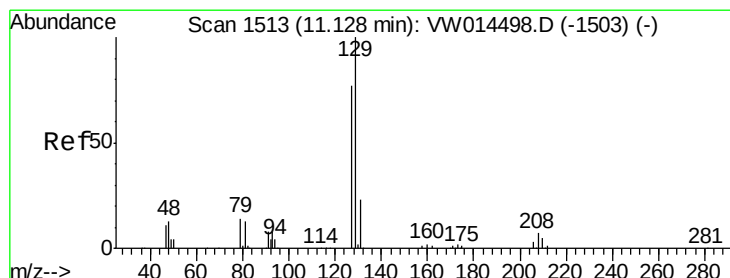
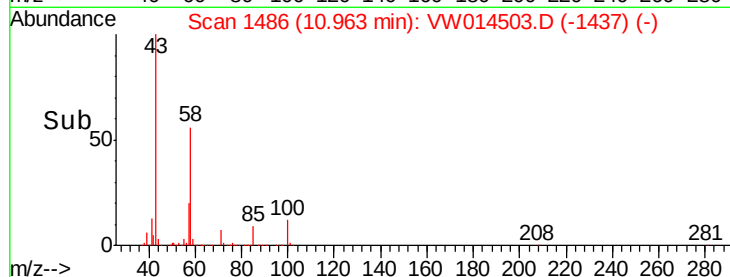
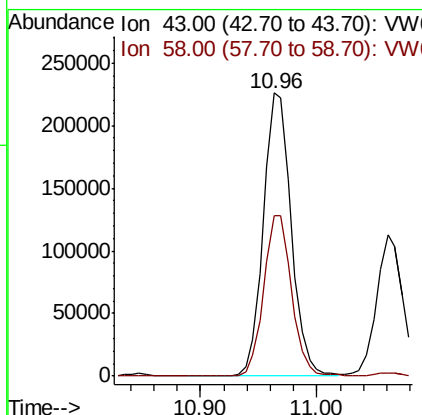
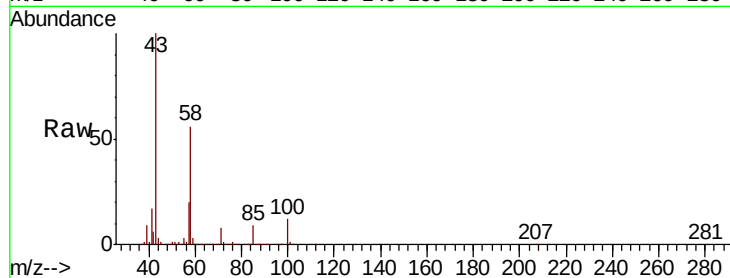




#59
2-Hexanone
Concen: 96.378 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

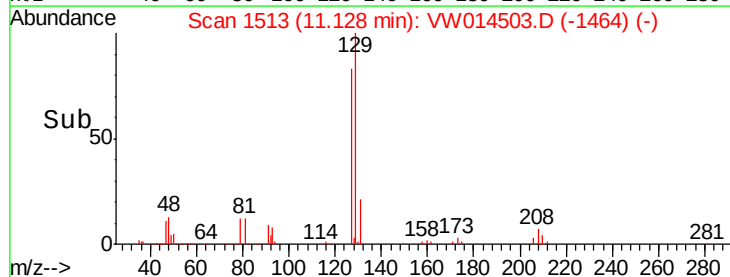
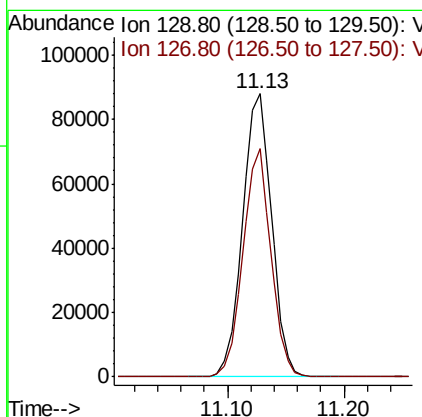
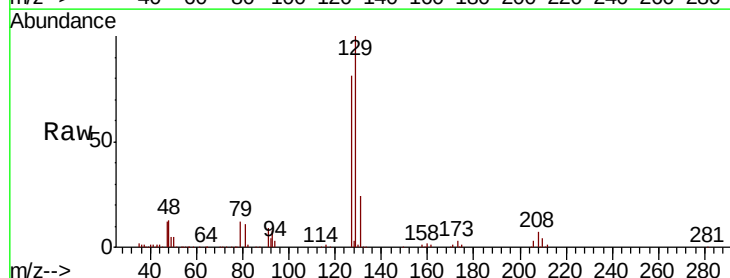
Instrument :
MSVOA_W
ClientSampled :

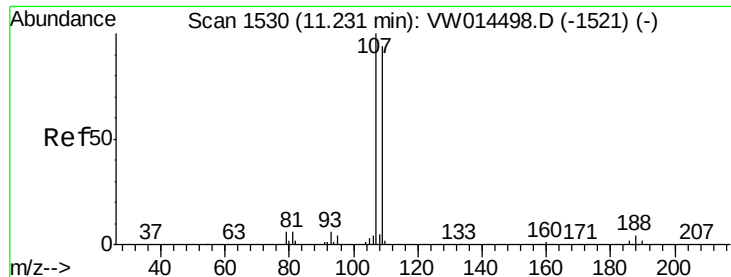
Tot Ion: 43 Resp: 378002
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.3



#60
Dibromochloromethane
Concen: 20.387 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 129 Resp: 153239
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5

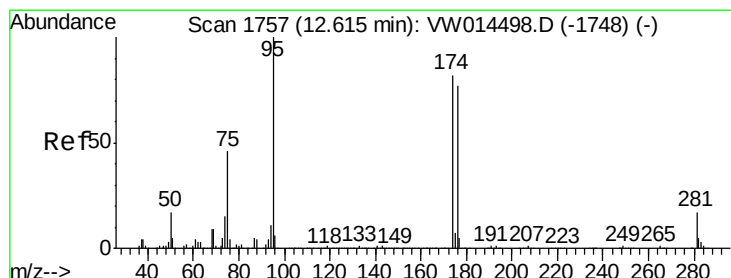
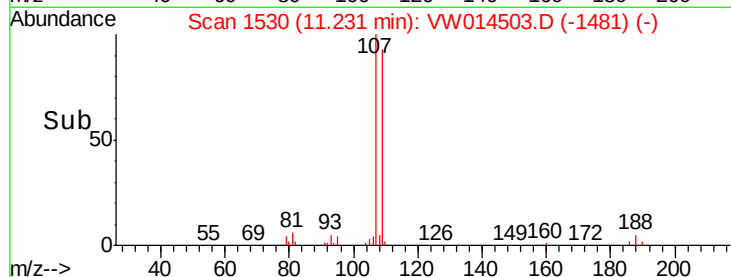
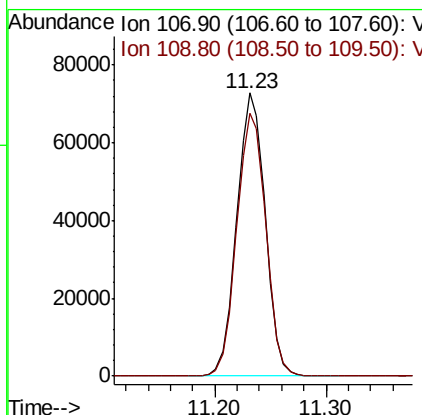
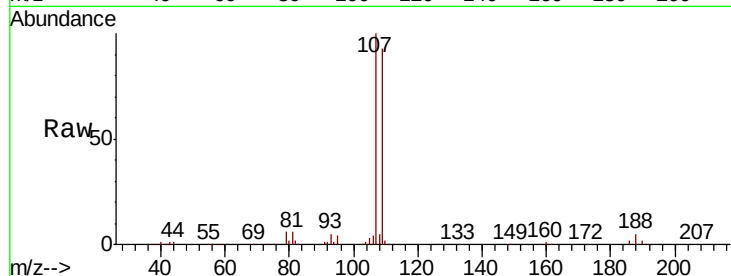




#61
 1,2-Dibromoethane
 Concen: 20.284 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

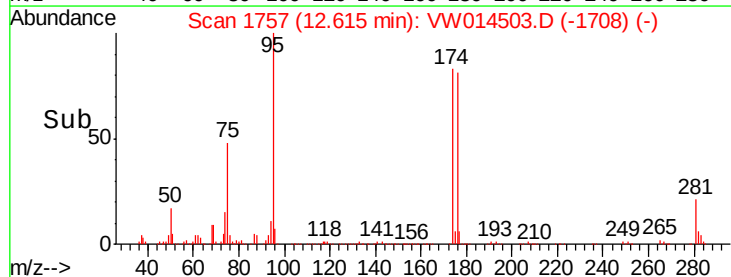
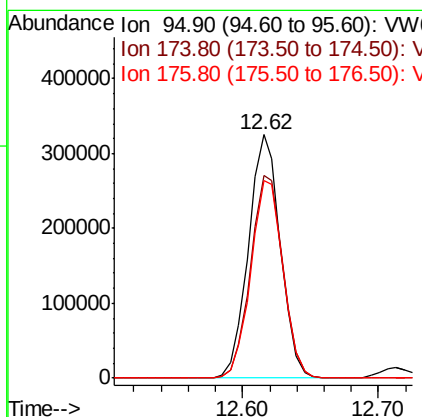
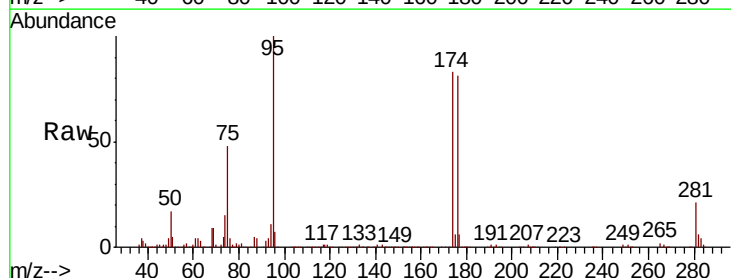
Instrument :
 MSVOA_W
 ClientSampleId :

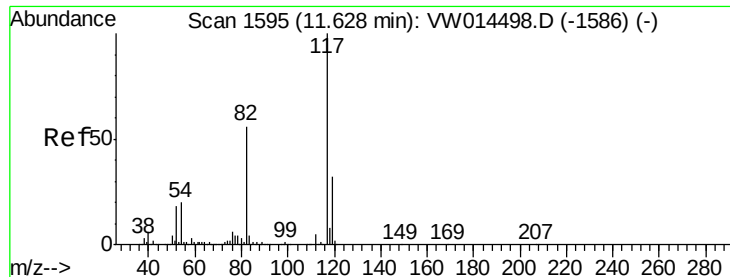
Tot Ion:107 Resp: 128270
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.671 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion: 95 Resp: 532380
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 168.6
 176 82.6 0.0 162.0

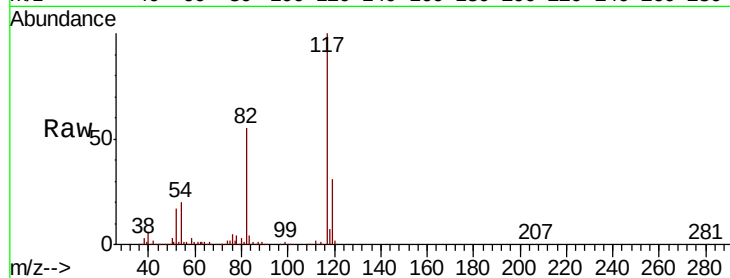




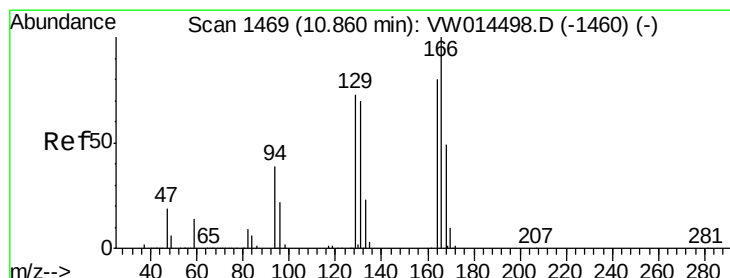
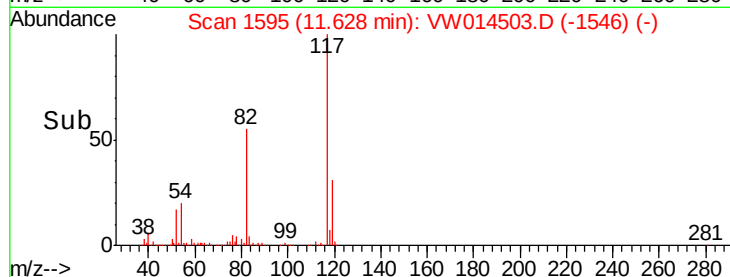
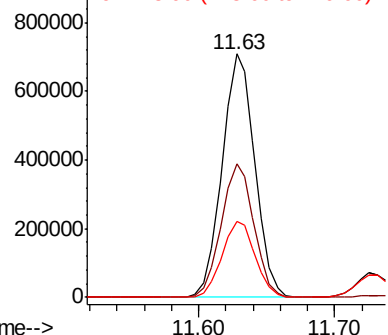
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 1193154
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 31.4 25.7 38.5

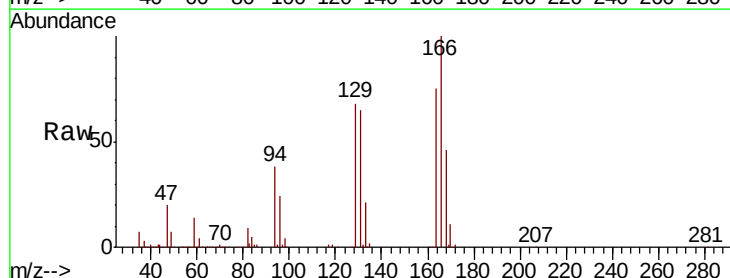


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

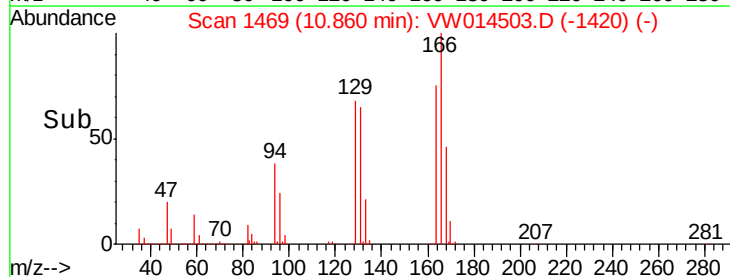
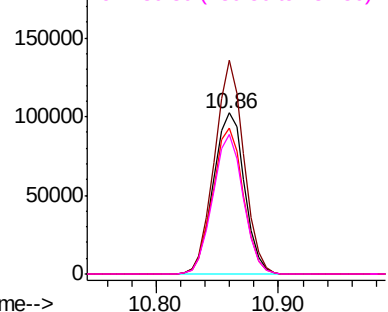


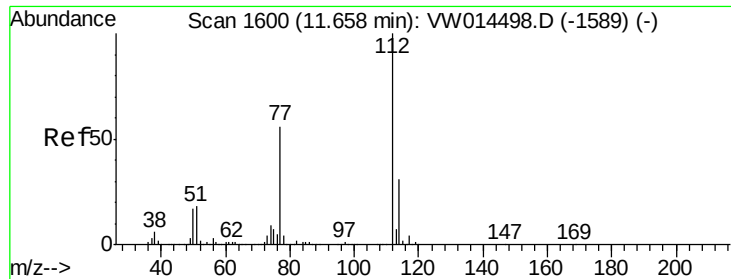
#64
Tetrachloroethene
Concen: 20.950 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:164 Resp: 180968
Ion Ratio Lower Upper
164 100
166 132.9 99.8 149.6
129 90.7 72.4 108.6
131 86.9 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

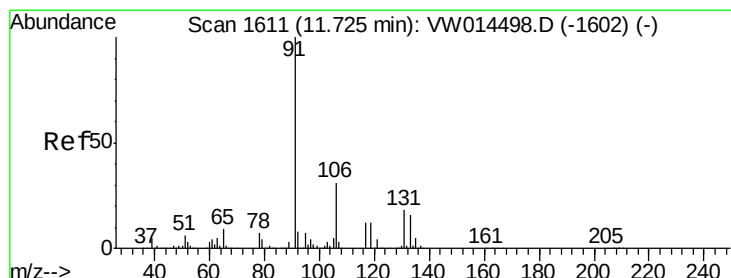
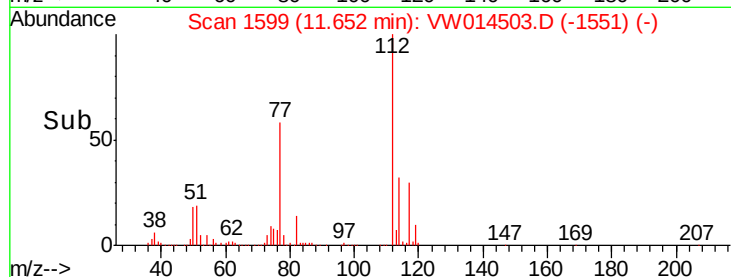
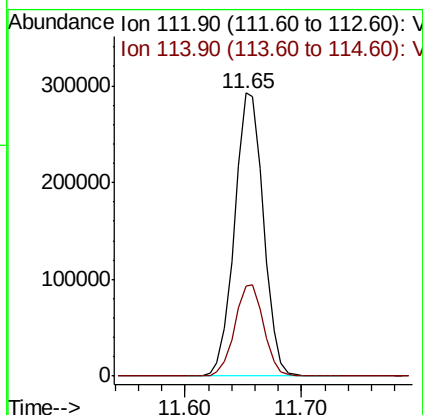
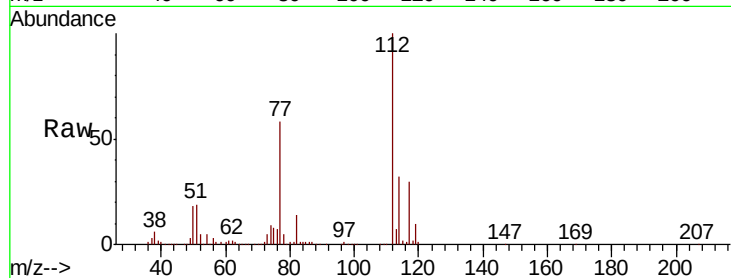




#65
Chlorobenzene
Concen: 20.699 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

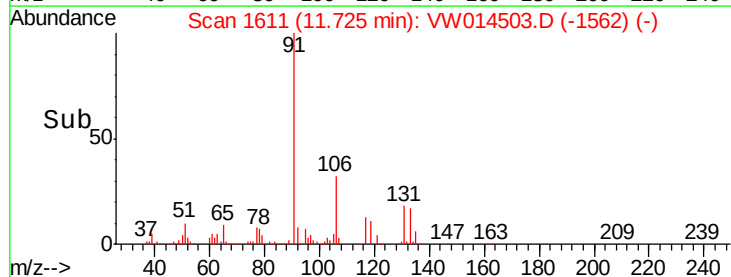
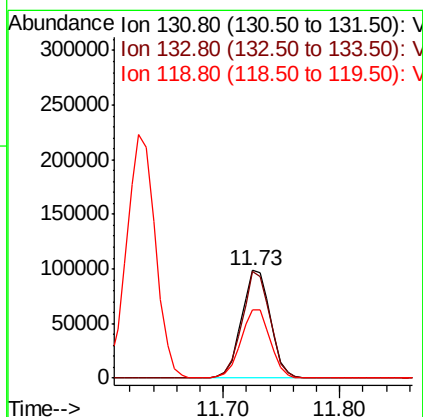
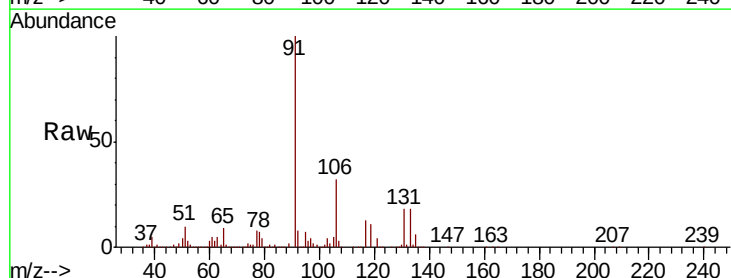
Instrument :
MSVOA_W
ClientSampleId :

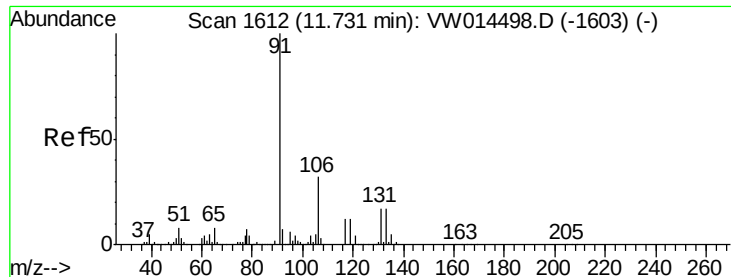
Tot Ion:112 Resp: 505972
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.684 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:131 Resp: 170233
Ion Ratio Lower Upper
131 100
133 95.9 47.3 142.0
119 65.2 33.1 99.3

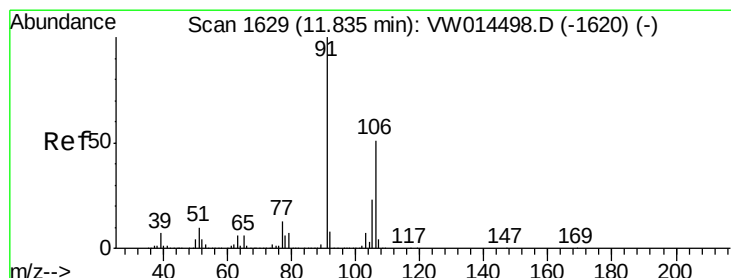
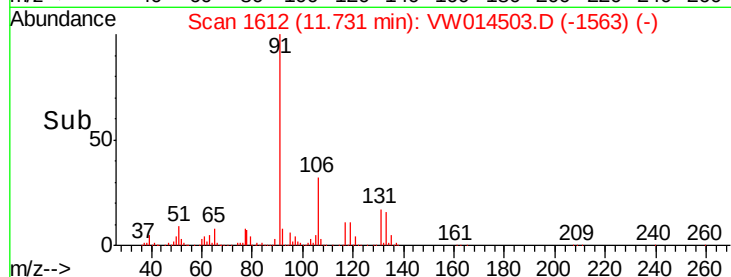
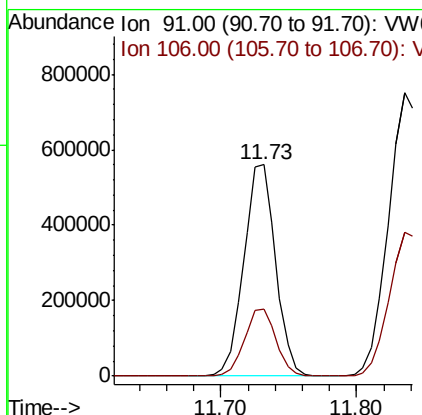
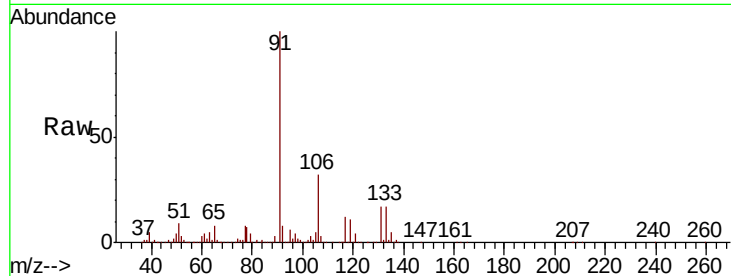




#67
Ethyl Benzene
Concen: 20.805 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

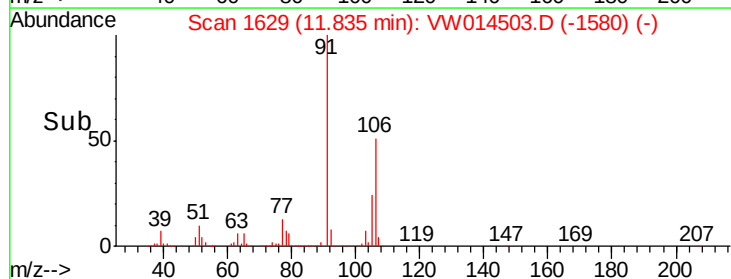
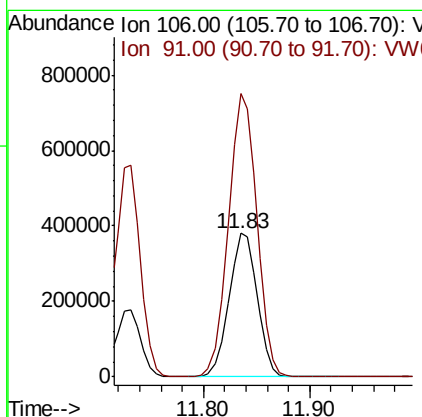
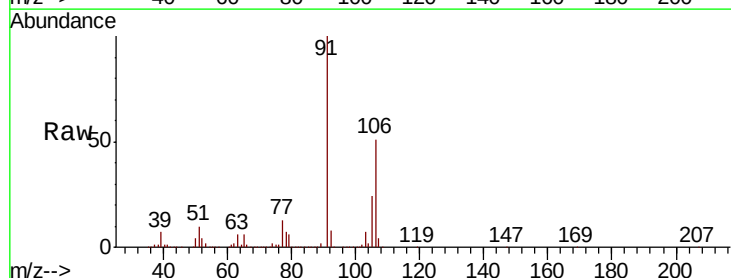
Instrument :
MSVOA_W
ClientSampled :

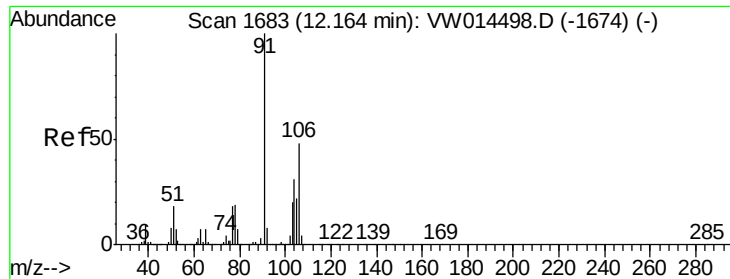
Tot Ion: 91 Resp: 916519
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 41.987 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 106 Resp: 707894
Ion Ratio Lower Upper
106 100
91 198.2 159.0 238.6

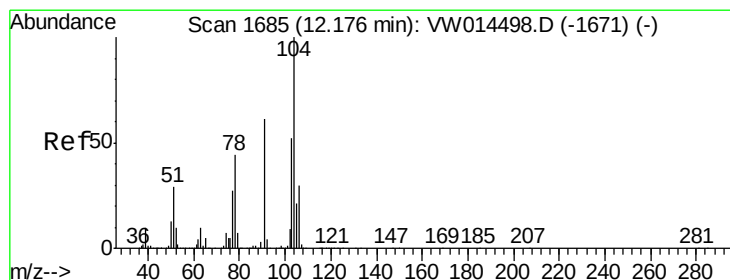
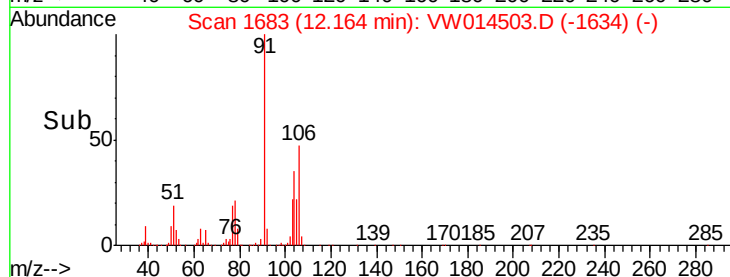
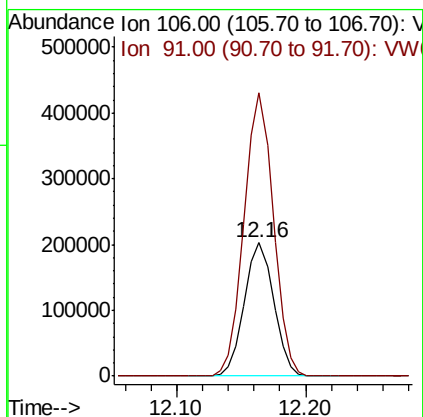
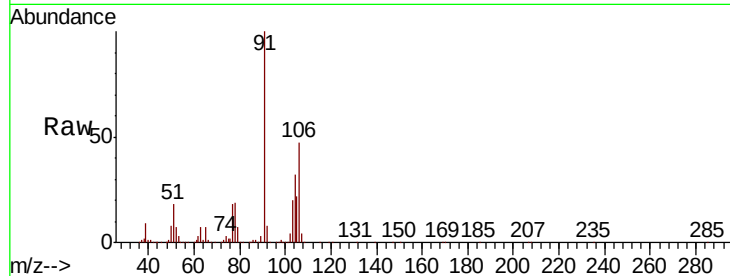




#69
o-Xylene
Concen: 20.642 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

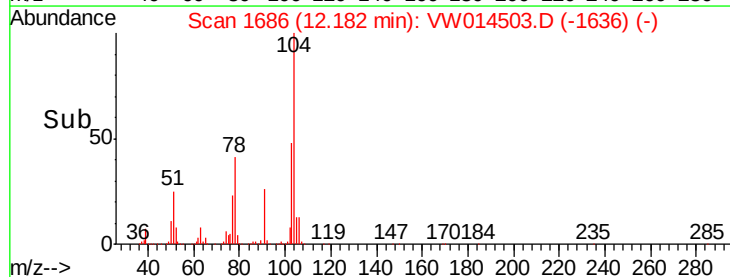
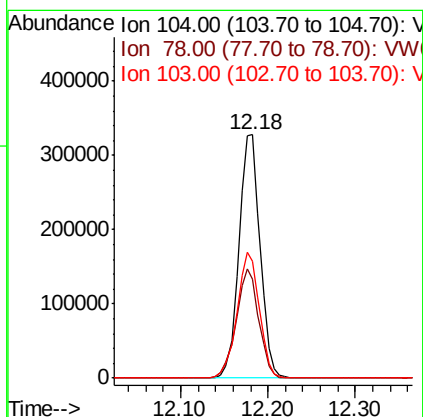
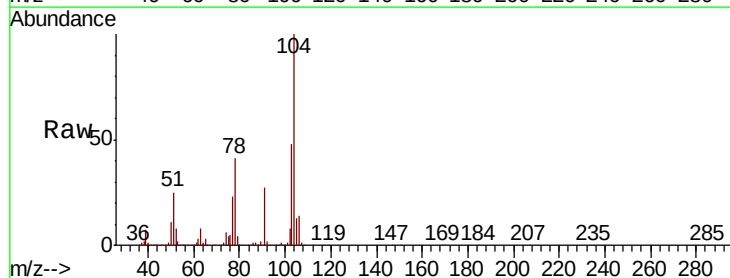
Instrument :
MSVOA_W
ClientSampled :

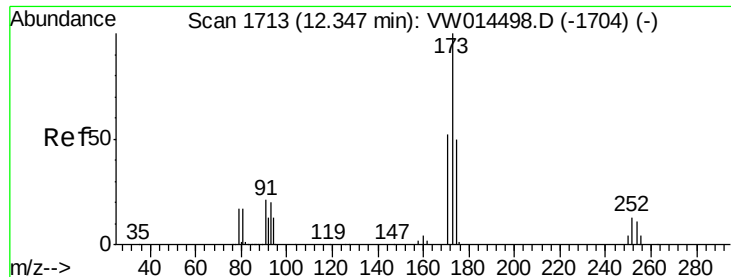
Tot Ion:106 Resp: 321473
Ion Ratio Lower Upper
106 100
91 210.4 105.2 315.6



#70
Styrene
Concen: 21.016 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:104 Resp: 553589
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 54.3 43.7 65.5

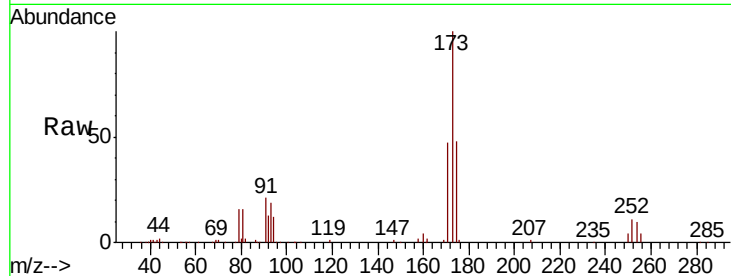




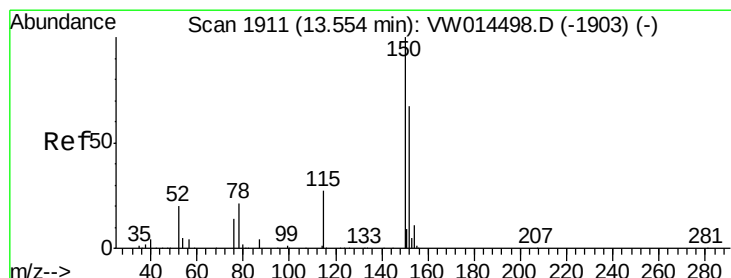
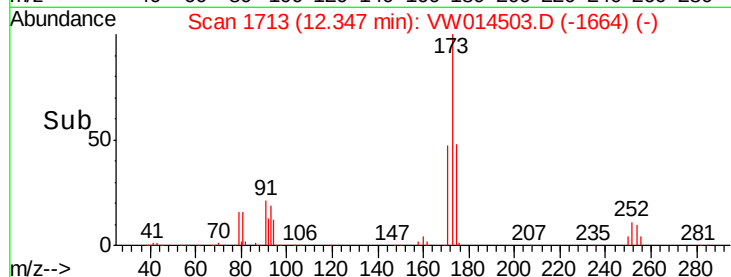
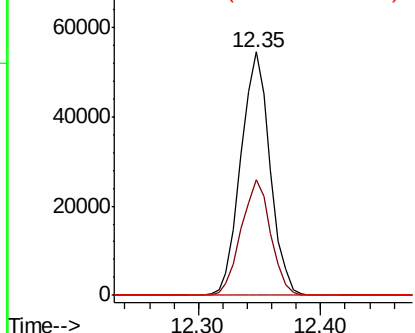
#71
Bromoform
Concen: 20.061 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 90056
Ion Ratio Lower Upper
173 100
175 48.0 24.5 73.5
254 0.0 0.0 0.0

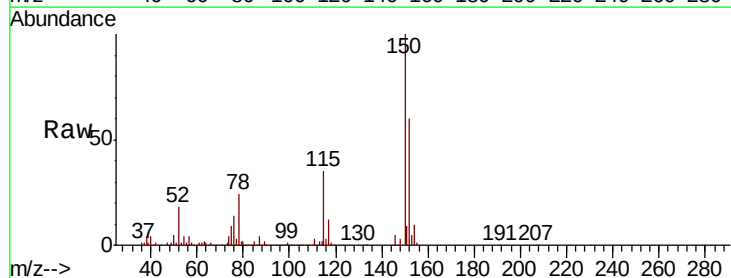


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

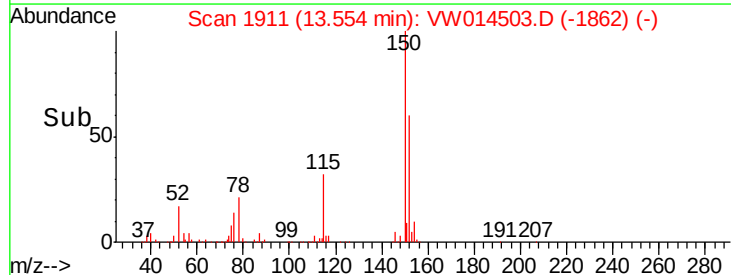
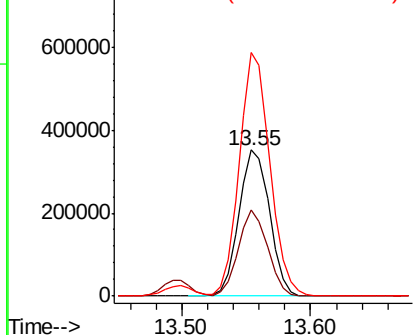


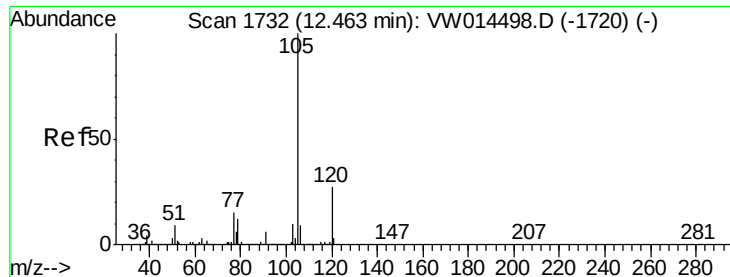
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:152 Resp: 576936
Ion Ratio Lower Upper
152 100
115 56.5 27.7 83.1
150 166.9 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: 21.231 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

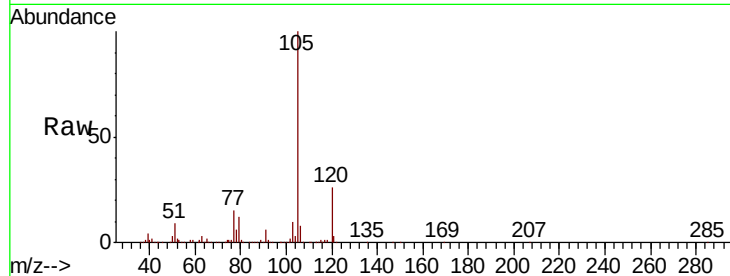
ClientSampleId :

Tot Ion: 105 Resp: 898763

Ion Ratio Lower Upper

105 100

120 26.3 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

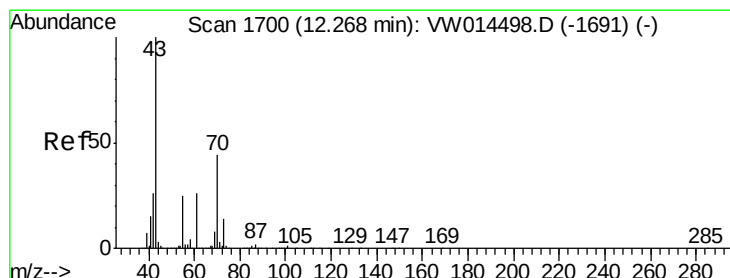
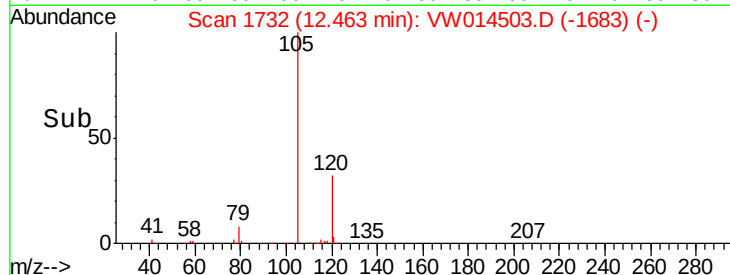
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.648 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Tgt Ion: 43 Resp: 186498

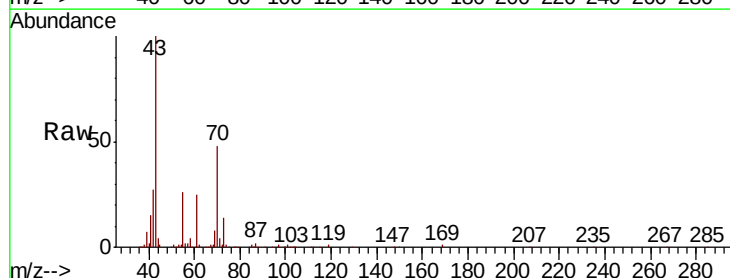
Ion Ratio Lower Upper

43 100

70 46.7 36.5 54.7

55 26.4 20.9 31.3

61 25.6 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

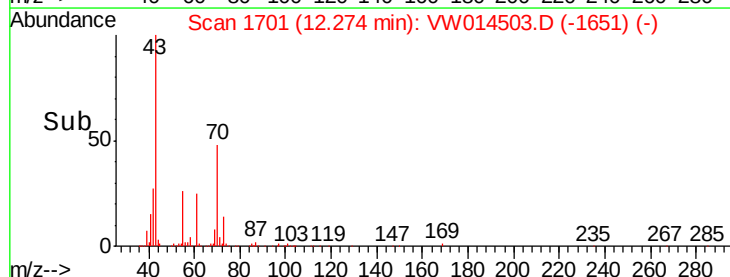
150000

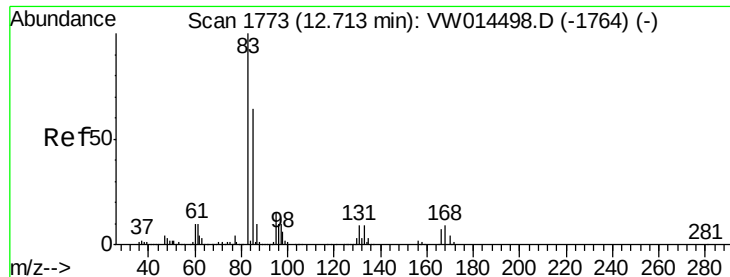
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.976 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

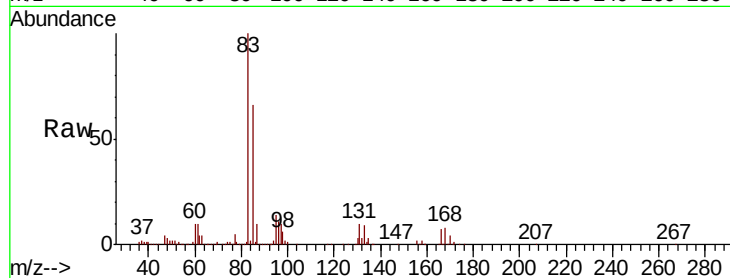
Tot Ion: 83 Resp: 152633

Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.4

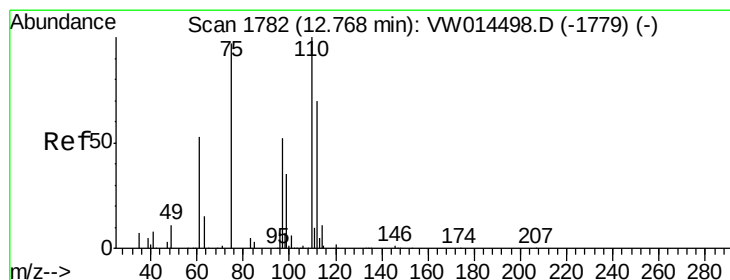
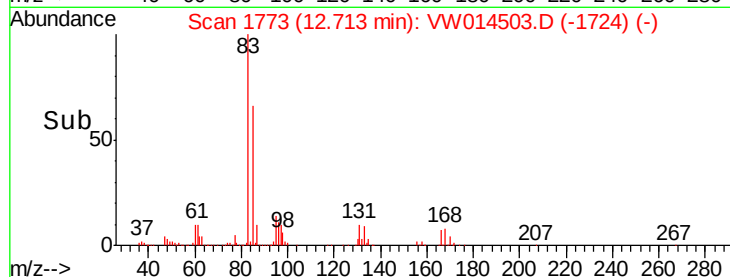
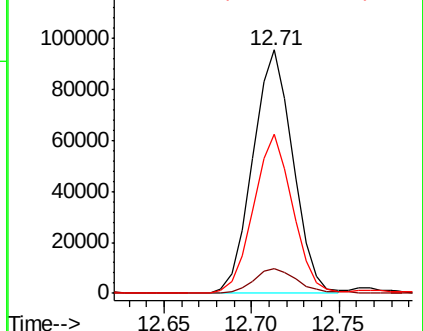
85 63.7 31.9 95.7



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: 35.107 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014503.D

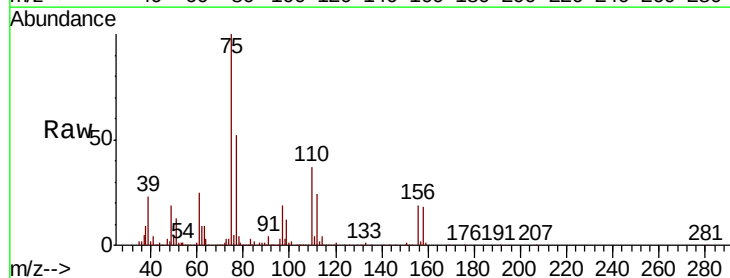
Acq: 03 Jan 2020 17:19

Tgt Ion: 75 Resp: 191504

Ion Ratio Lower Upper

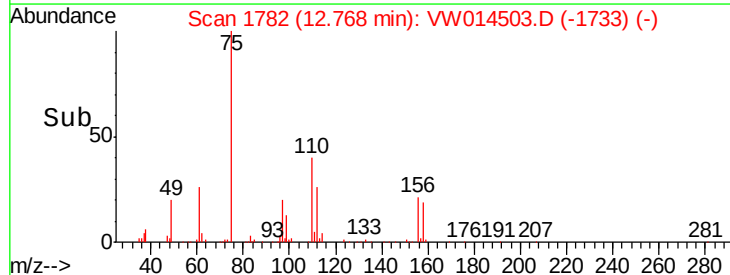
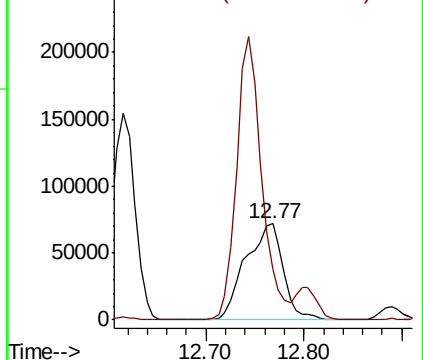
75 100

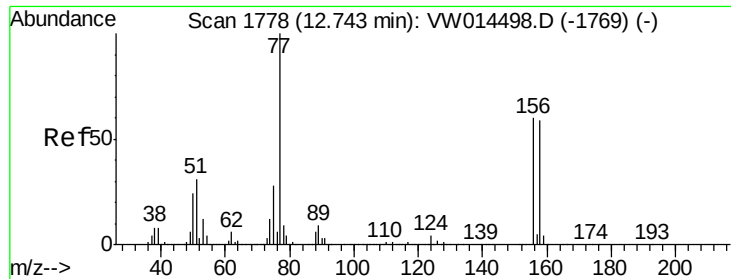
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.281 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

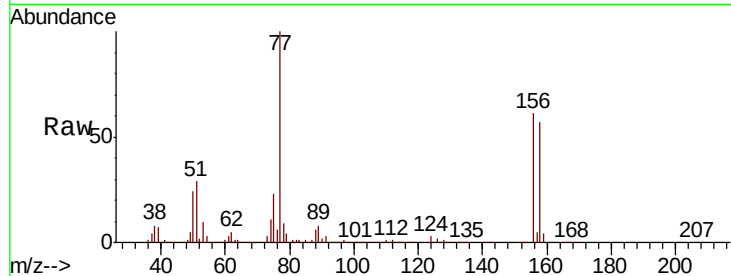
Tot Ion:156 Resp: 209242

Ion Ratio Lower Upper

156 100

77 181.8 92.3 277.1

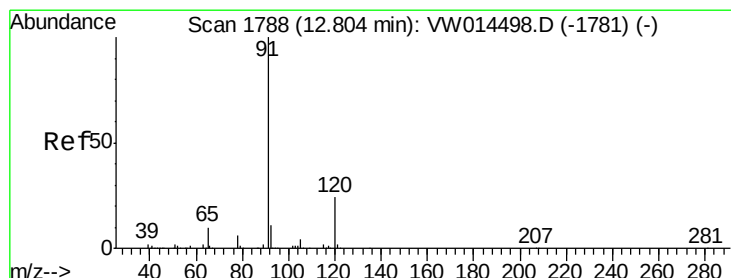
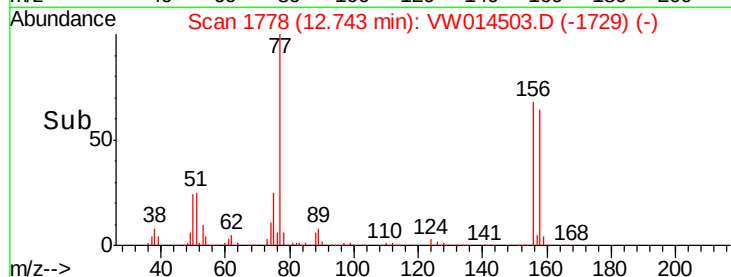
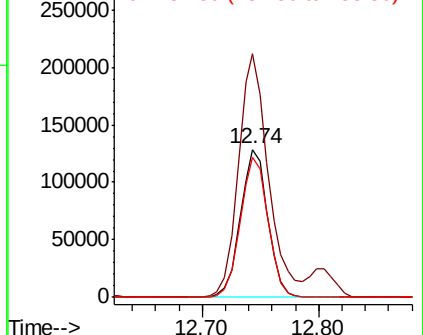
158 96.2 48.6 145.9



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: 21.262 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014503.D

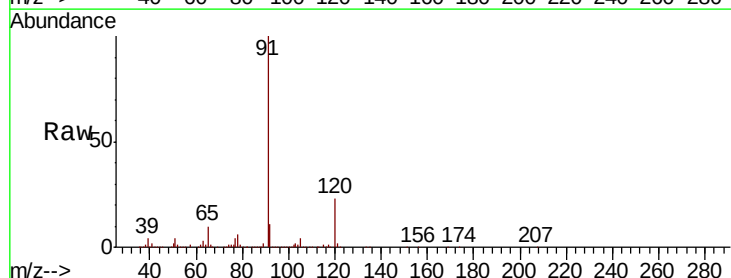
Acq: 03 Jan 2020 17:19

Tgt Ion: 91 Resp: 1058419

Ion Ratio Lower Upper

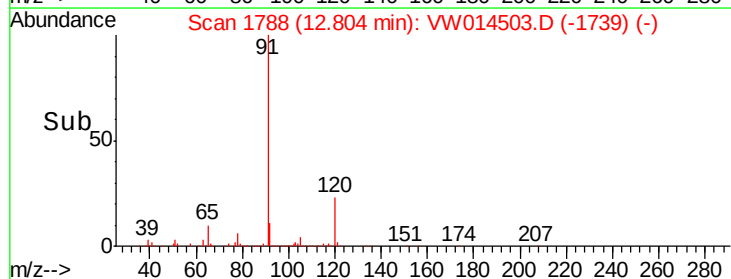
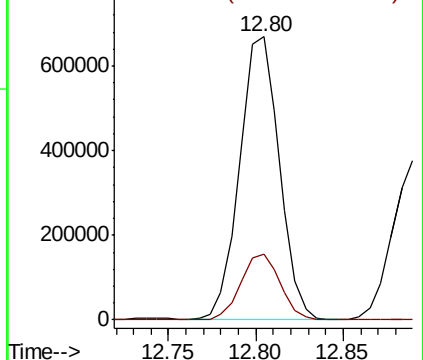
91 100

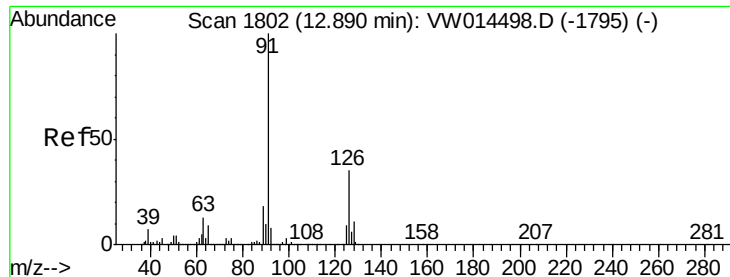
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

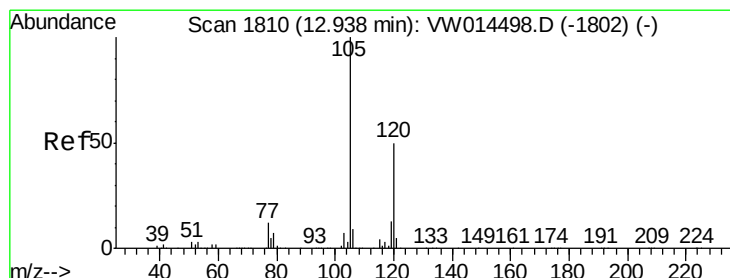
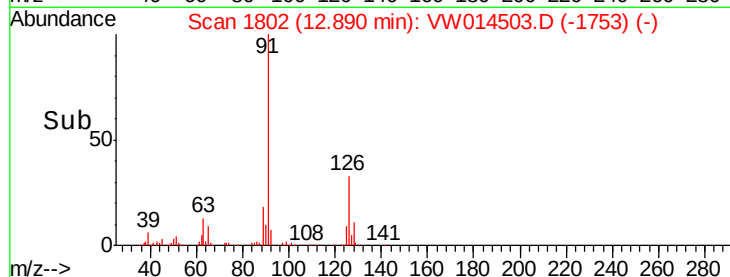
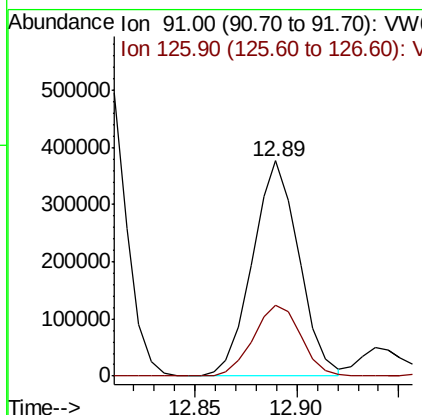
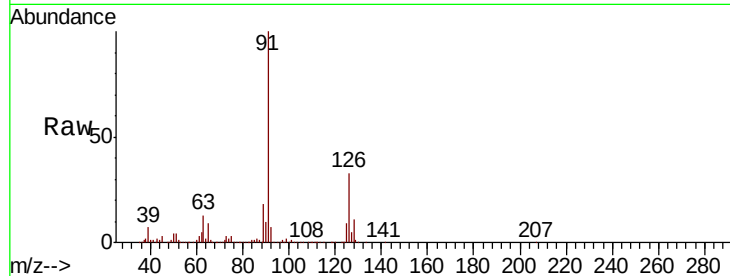




#79
 2-Chlorotoluene
 Concen: 20.975 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

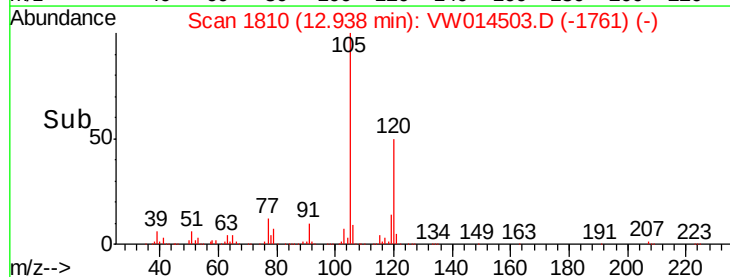
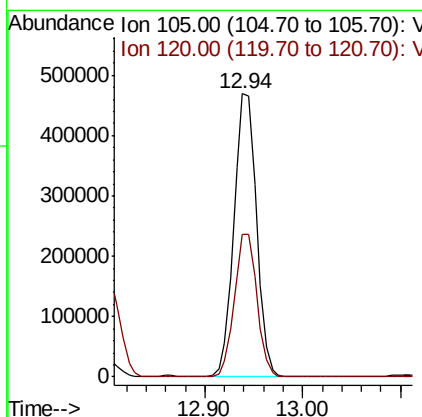
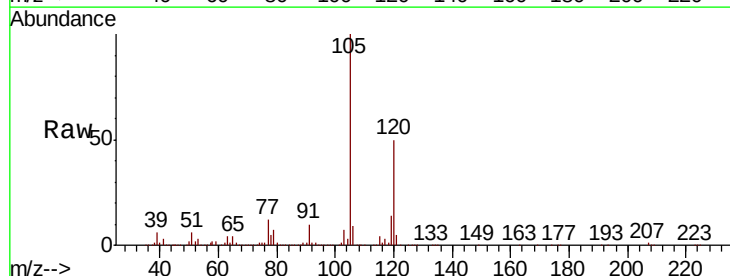
Instrument :
 MSVOA_W
 ClientSampled :

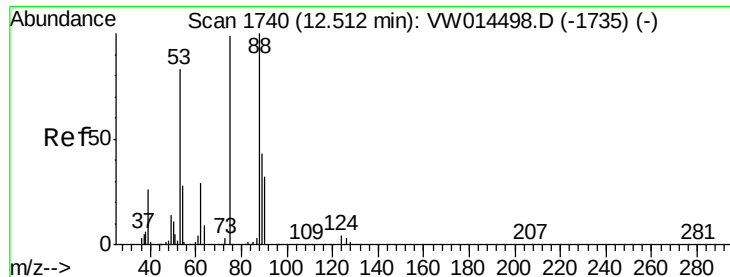
Tot Ion: 91 Resp: 594190
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.149 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion: 105 Resp: 751730
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.2 75.6

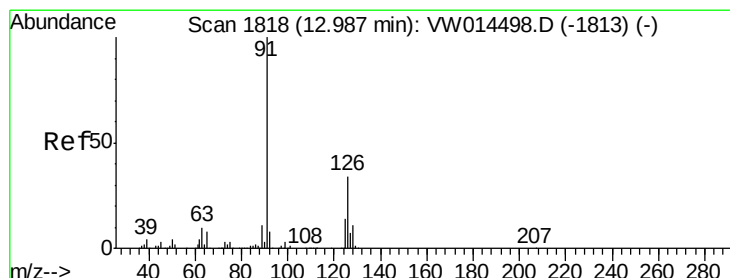
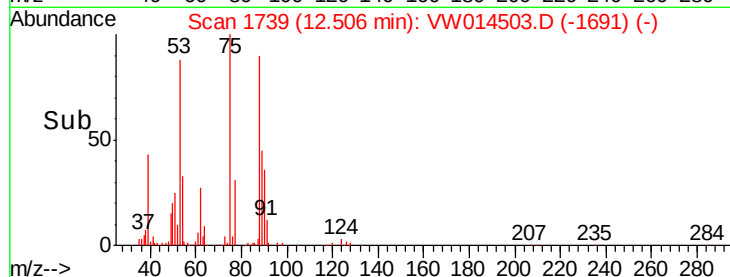
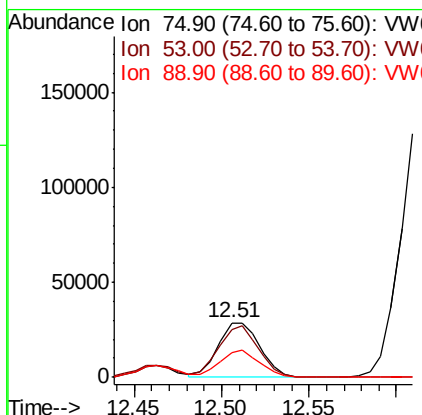
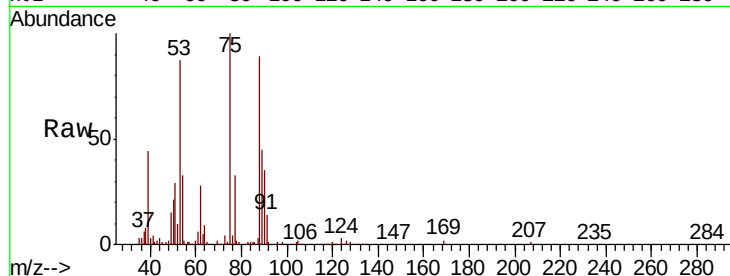




#81
trans-1,4-Dichloro-2-butene
Concen: 19.321 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

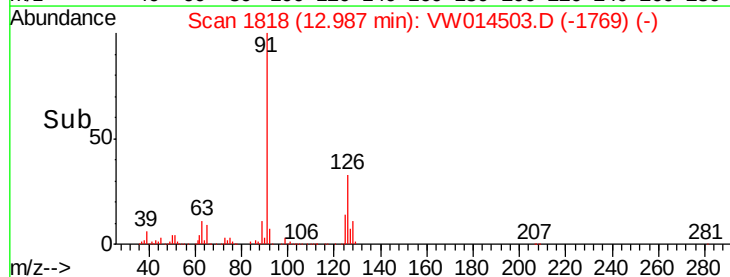
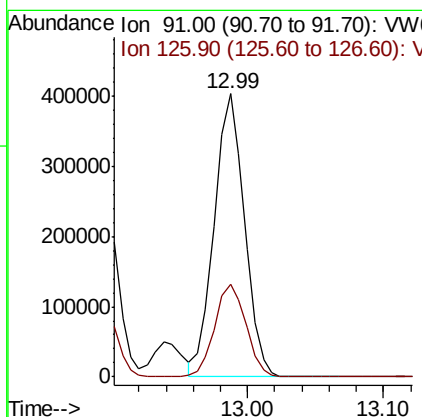
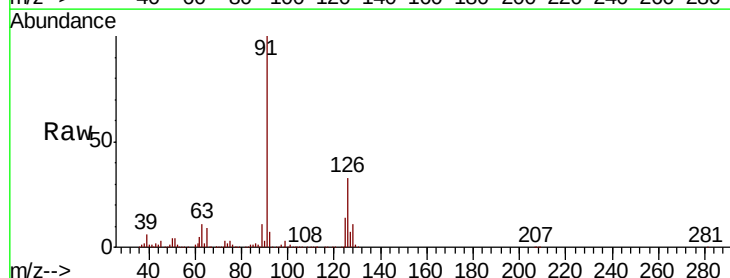
Instrument :
MSVOA_W
ClientSampleId :

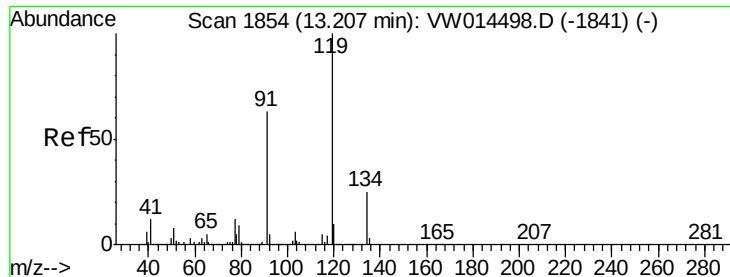
Tot Ion: 75 Resp: 47302
Ion Ratio Lower Upper
75 100
53 92.3 70.9 106.3
89 48.1 35.8 53.8



#82
4-Chlorotoluene
Concen: 21.150 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion: 91 Resp: 622474
Ion Ratio Lower Upper
91 100
126 33.9 17.1 51.2

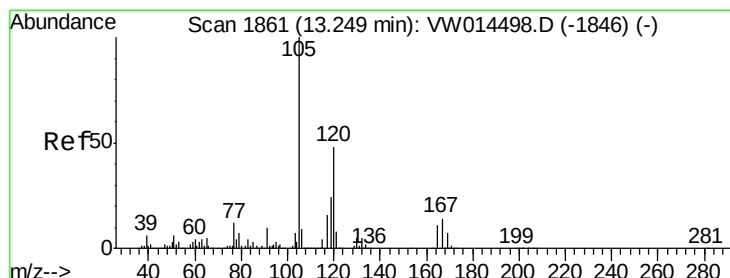
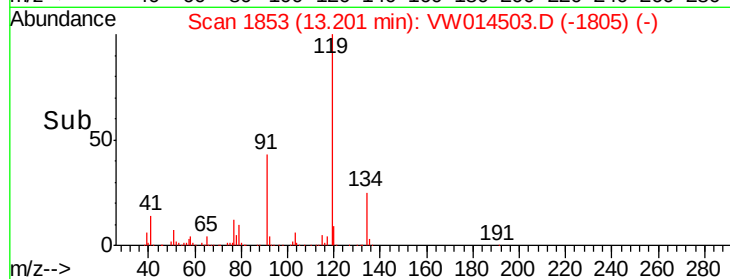
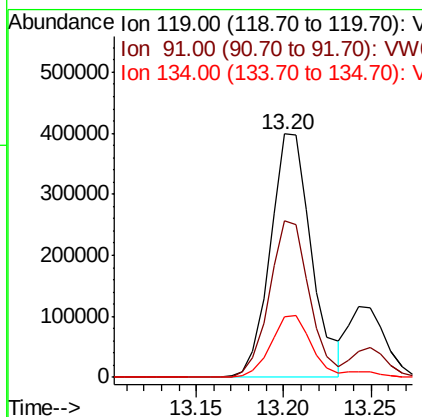
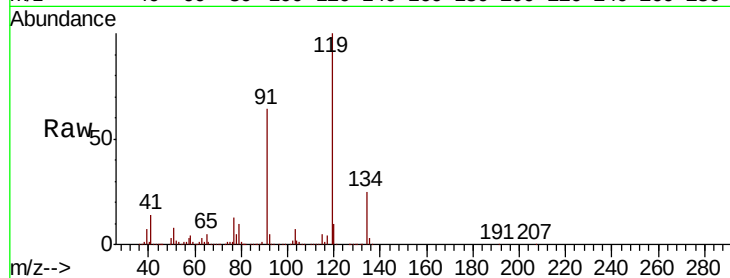




#83
 tert-Butylbenzene
 Concen: 21.019 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

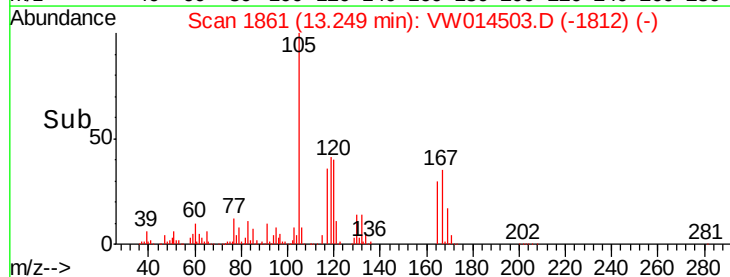
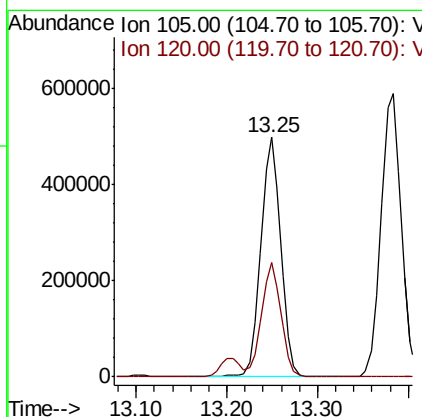
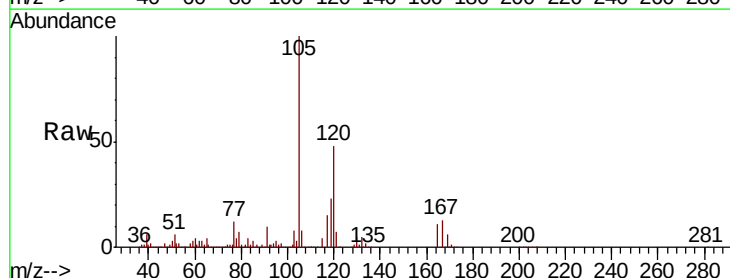
Instrument :
 MSVOA_W
 ClientSampleId :

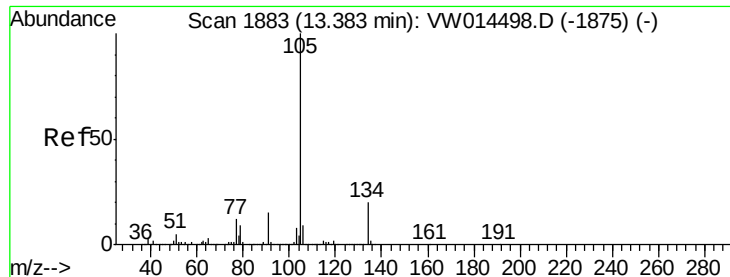
Tot Ion:119 Resp: 654096
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.1 93.3
 134 25.1 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.362 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion:105 Resp: 755608
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.006 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

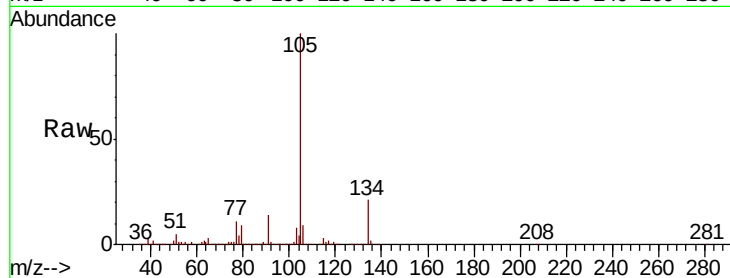
ClientSampleId :

Tot Ion:105 Resp: 904821

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

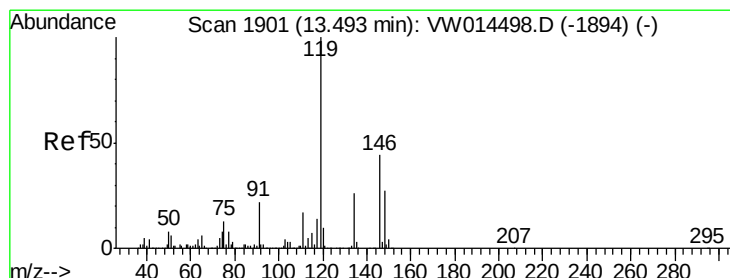
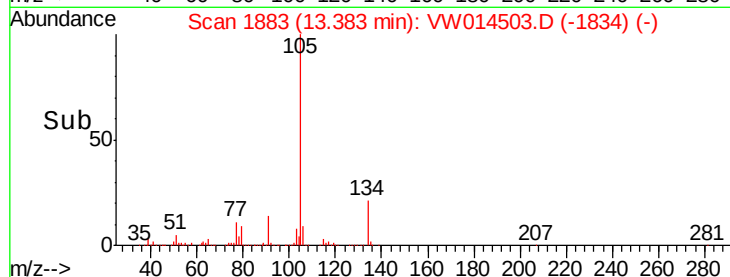
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 21.211 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

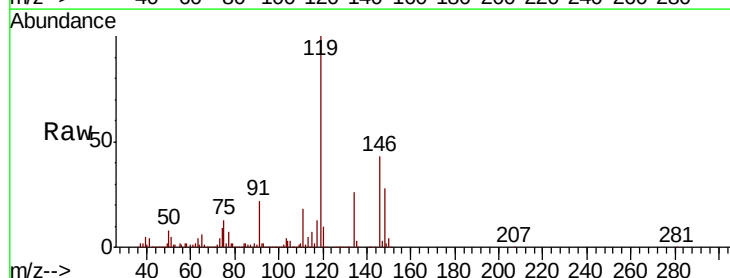
Tgt Ion:119 Resp: 832816

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

91 22.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

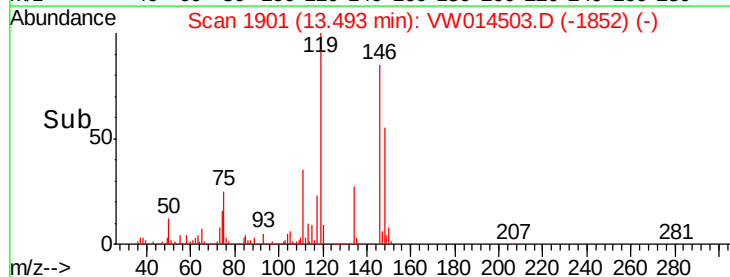
600000

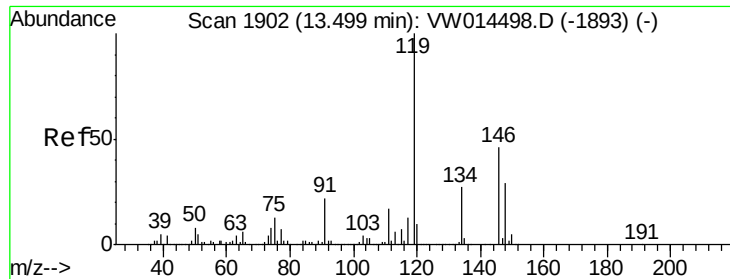
400000

200000

0

Time--> 13.45 13.50 13.55

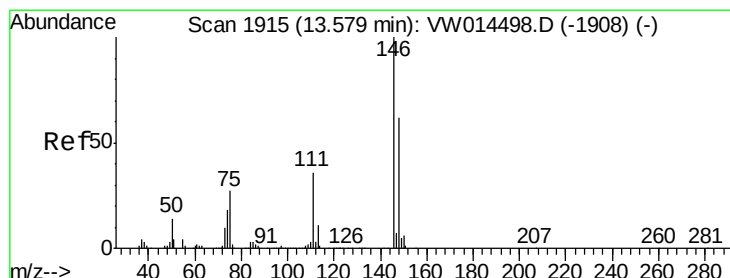
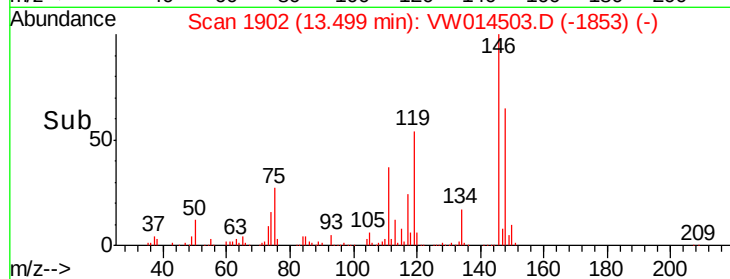
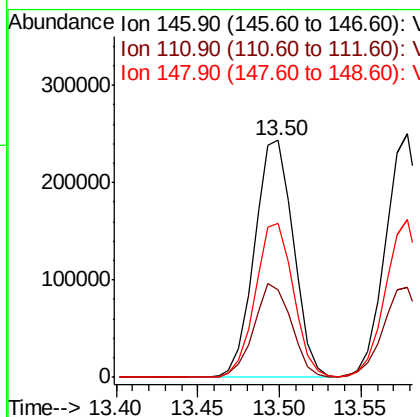
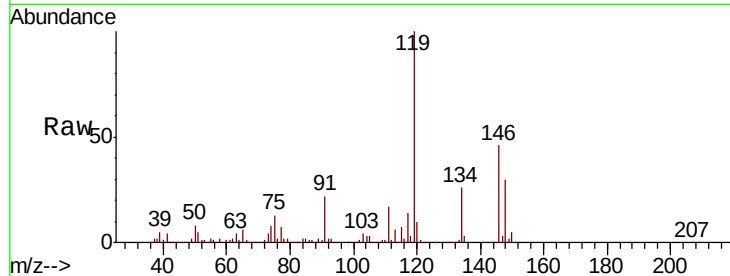




#87
 1,3-Dichlorobenzene
 Concen: 21.187 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

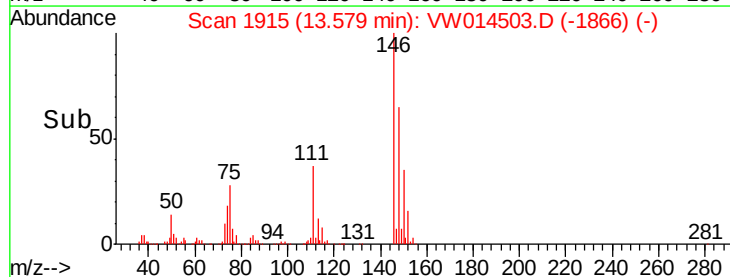
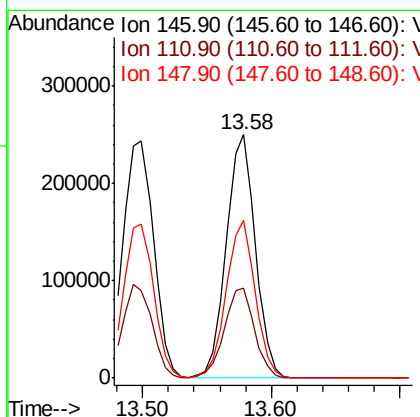
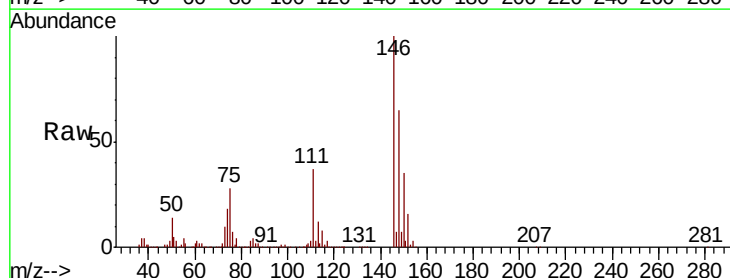
Instrument :
 MSVOA_W
 ClientSampled :

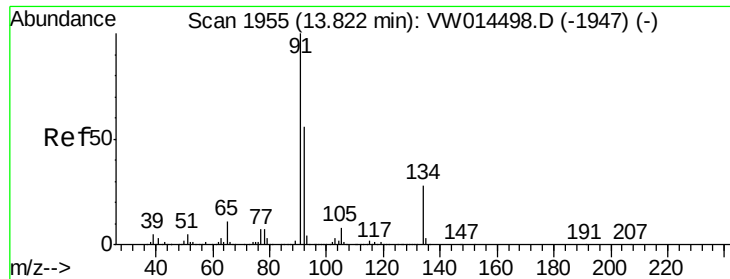
Tot Ion:146 Resp: 405070
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.9
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.993 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion:146 Resp: 396246
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.7 56.1
 148 64.5 31.7 95.1





#89

n-Butylbenzene

Concen: 21.159 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014503.D

Acq: 03 Jan 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

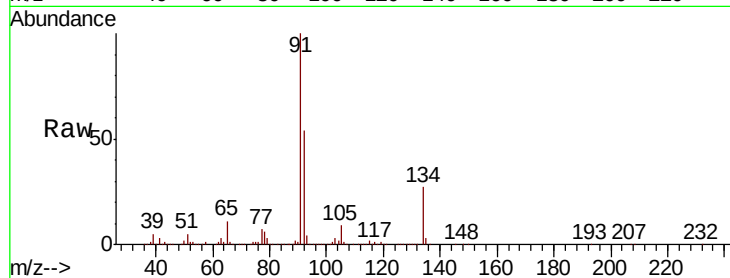
Tot Ion: 91 Resp: 771469

Ion Ratio Lower Upper

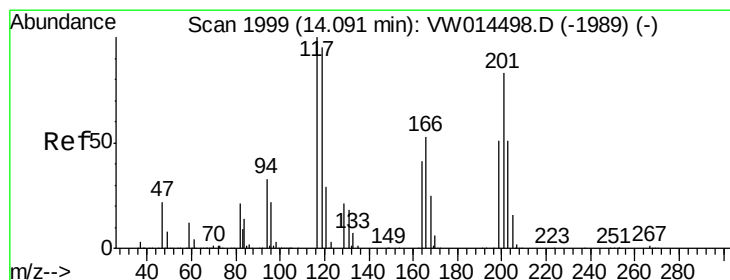
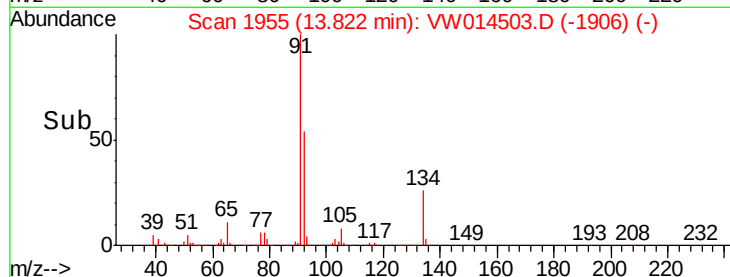
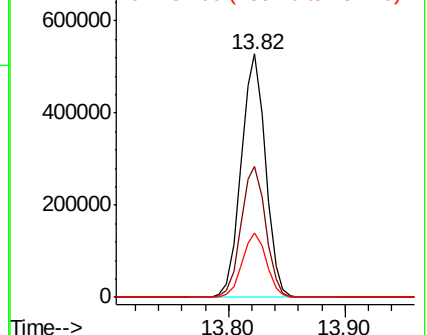
91 100

92 54.5 27.5 82.5

134 26.6 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: 20.061 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014503.D

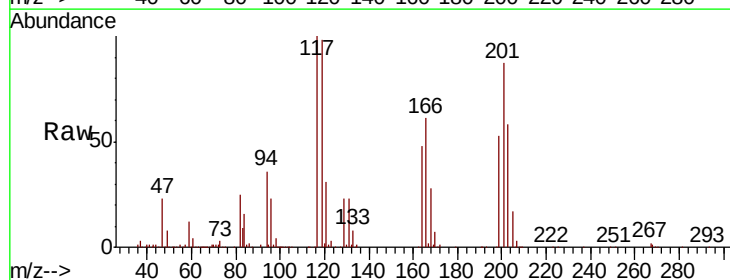
Acq: 03 Jan 2020 17:19

Tgt Ion: 117 Resp: 137595

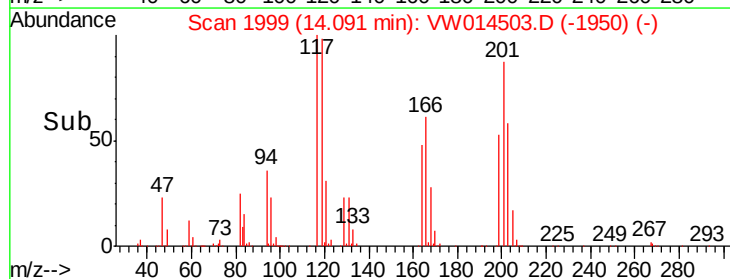
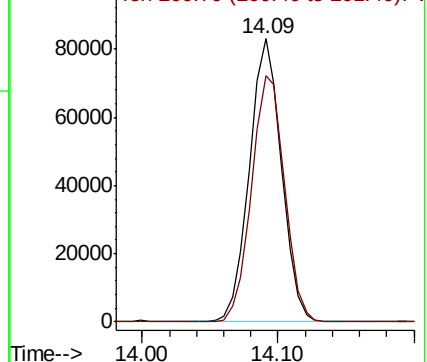
Ion Ratio Lower Upper

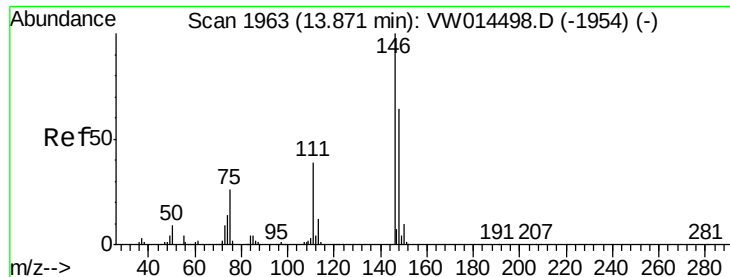
117 100

201 89.1 43.0 128.8



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

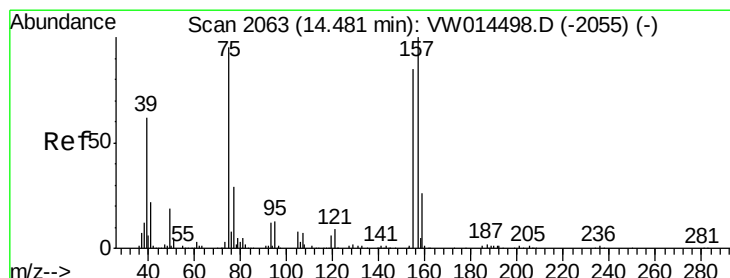
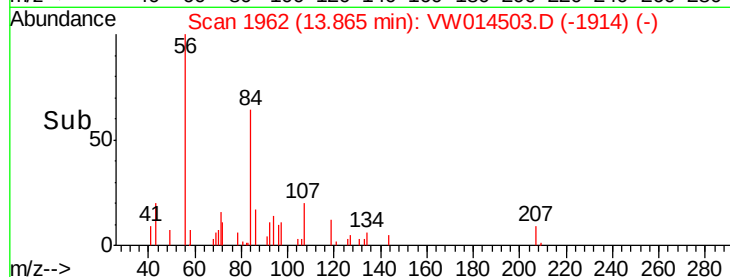
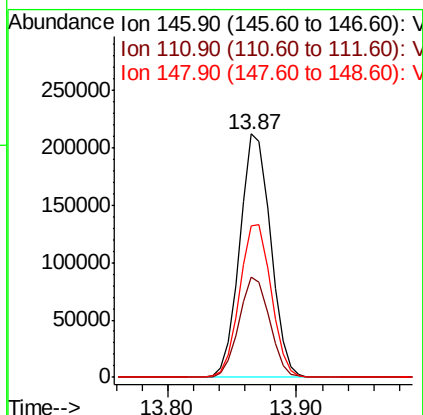
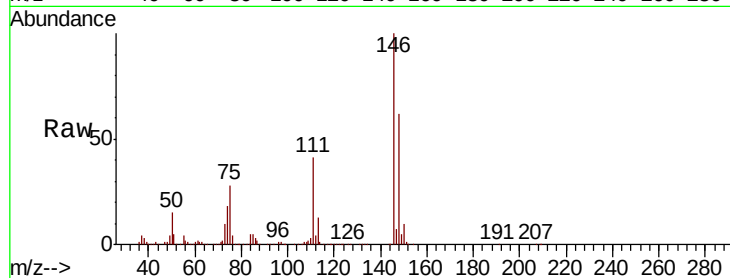




#91
 1,2-Dichlorobenzene
 Concen: 20.902 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

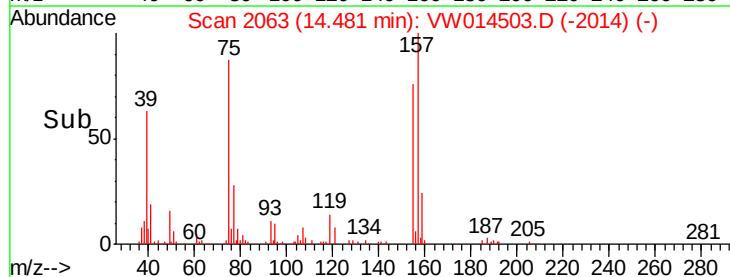
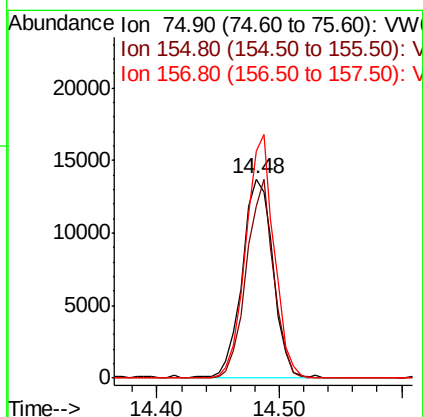
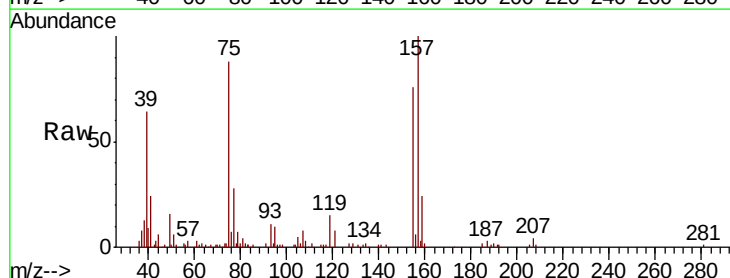
Instrument :
 MSVOA_W
 ClientSampleId :

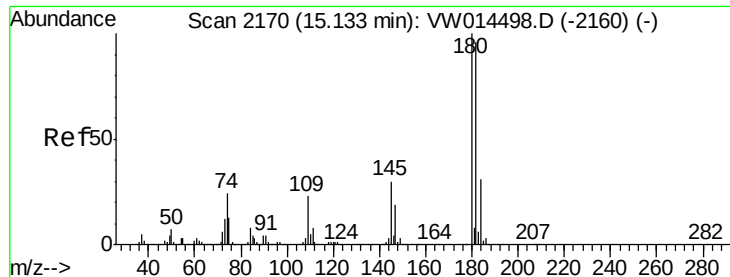
Tot Ion:	146	Resp:	351238
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.024 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion:	75	Resp:	24229
Ion	Ratio	Lower	Upper
75	100		
155	86.9	45.8	137.4
157	111.2	58.1	174.2

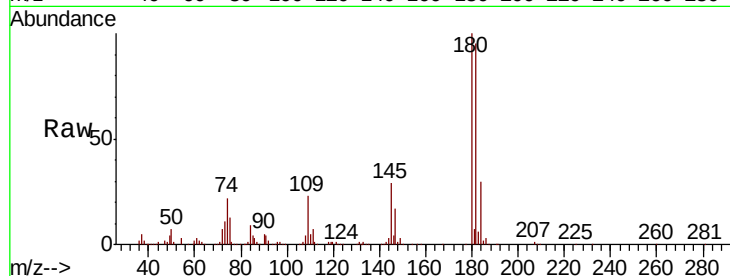




#93
 1,2,4-Trichlorobenzene
 Concen: 21.820 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.8
145	28.7	14.7	44.1

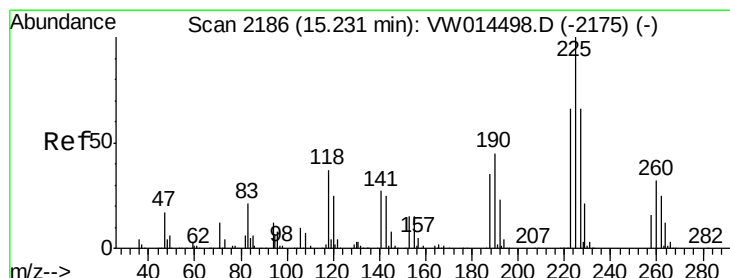
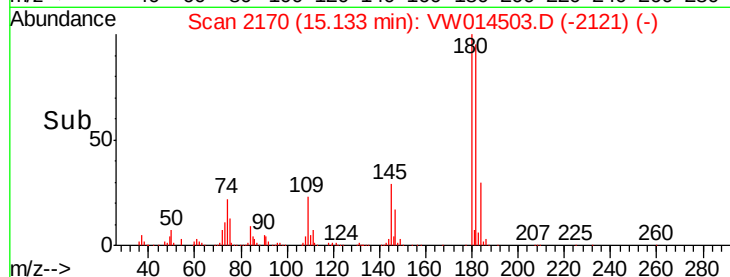
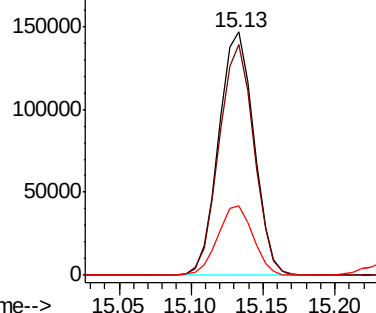


Abundance

Ion 179.80 (179.50 to 180.50): V

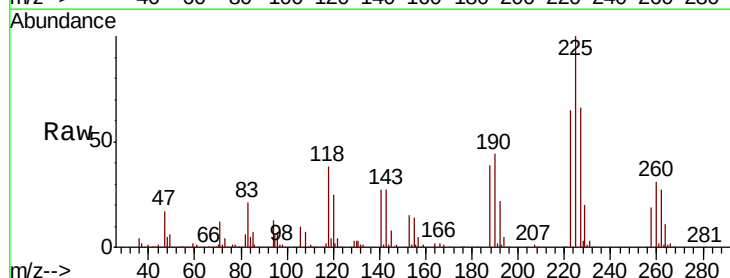
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.526 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014503.D
 Acq: 03 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.4	97.2
227	64.1	32.6	97.8

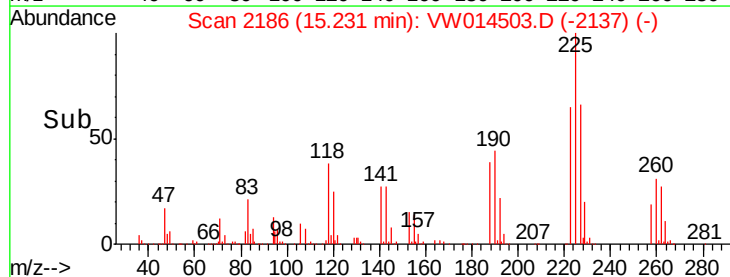
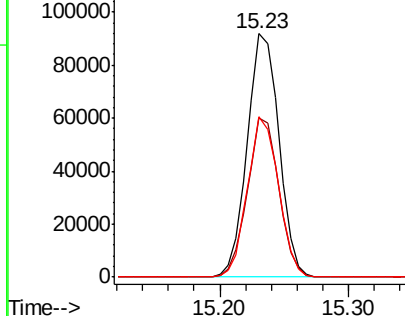


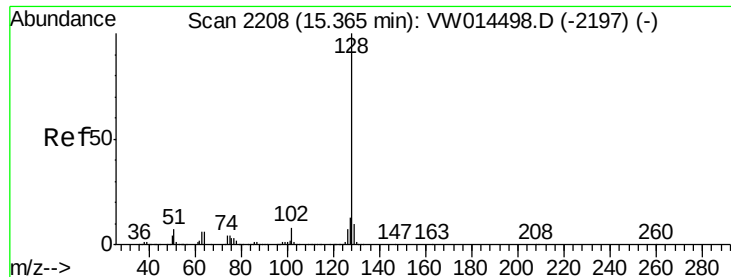
Abundance

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

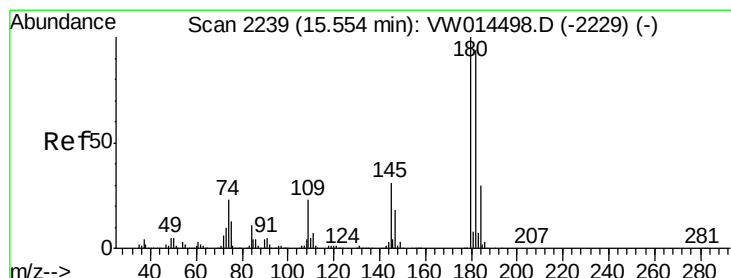
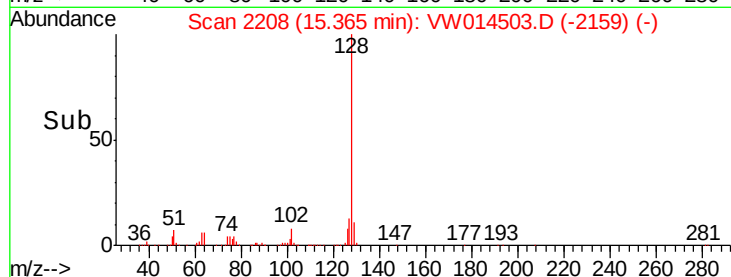
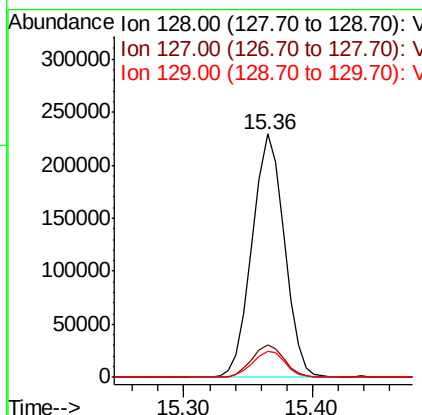
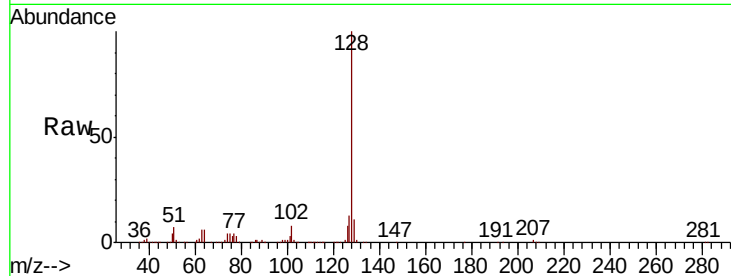




#95
Naphthalene
Concen: 20.516 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 397063
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.487 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014503.D
Acq: 03 Jan 2020 17:19

Tgt Ion:180 Resp: 212539
Ion Ratio Lower Upper
180 100
182 96.9 47.4 142.2
145 30.6 15.5 46.5

