

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014542.D
 Acq On : 07 Jan 2020 12:43
 Operator : SY/VA
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:46:24 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	683064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1058462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	924468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	461897	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	334554	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	7.88	113	331606	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
50) Toluene-d8	10.32	98	1356875	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.62	95	466927	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	80980	20.997	ug/l	100
3) Chloromethane	2.21	50	105168	22.278	ug/l	99
4) Vinyl Chloride	2.36	62	146991	21.170	ug/l	100
5) Bromomethane	2.77	94	89523	20.871	ug/l	95
6) Chloroethane	2.92	64	79874	20.180	ug/l	98
7) Trichlorofluoromethane	3.25	101	61186	17.613	ug/l	99
8) Diethyl Ether	3.68	74	64863	18.765	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127239	19.602	ug/l	99
10) Methyl Iodide	4.28	142	195044	19.915	ug/l	98
11) Tert butyl alcohol	5.15	59	40545	71.695	ug/l	99
12) 1,1-Dichloroethene	4.04	96	132544	19.499	ug/l	94
13) Acrolein	3.89	56	46540	89.285	ug/l	98
14) Allyl chloride	4.67	41	202781	19.521	ug/l	100
15) Acrylonitrile	5.36	53	143243	90.662	ug/l	99
16) Acetone	4.12	43	139508	82.729	ug/l	94
17) Carbon Disulfide	4.38	76	402821	19.662	ug/l	98
18) Methyl Acetate	4.67	43	75760	18.602	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	163913	19.426	ug/l	97
20) Methylene Chloride	4.91	84	157132	20.359	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	142265	19.710	ug/l	100
22) Diisopropyl ether	6.31	45	400623	20.605	ug/l	99
23) Vinyl Acetate	6.25	43	1098599	93.571	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249405	20.336	ug/l	97
25) 2-Butanone	7.16	43	188901	87.288	ug/l	99
26) 2,2-Dichloropropane	7.16	77	131870	19.421	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	147665	19.470	ug/l	97
28) Bromochloromethane	7.51	49	99099	20.610	ug/l	99
29) Tetrahydrofuran	7.52	42	117703	87.793	ug/l	98
30) Chloroform	7.67	83	237176	20.680	ug/l	100
31) Cyclohexane	7.95	56	239808	18.815	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	182844	19.823	ug/l	98
36) 1,1-Dichloropropene	8.08	75	193955	19.008	ug/l	99
37) Ethyl Acetate	7.24	43	81632	17.639	ug/l	99
38) Carbon Tetrachloride	8.06	117	166497	18.808	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	230466	17.600	ug/l	99
40) Benzene	8.32	78	565862	19.600	ug/l	98
41) Methacrylonitrile	7.48	41	49196	19.070	ug/l	93
42) 1,2-Dichloroethane	8.40	62	146920	19.610	ug/l	99
43) Isopropyl Acetate	8.42	43	148120	17.626	ug/l	97
44) Trichloroethene	9.09	130	147014	18.818	ug/l	96
45) 1,2-Dichloropropane	9.37	63	141562	19.982	ug/l	99
46) Dibromomethane	9.46	93	66066	18.890	ug/l	98
47) Bromodichloromethane	9.64	83	168276	19.488	ug/l	98
48) Methyl methacrylate	9.43	41	65656	16.002	ug/l	93
49) 1,4-Dioxane	9.44	88	21959	335.689	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	387414	88.774	ug/l	99
52) Toluene	10.38	92	353564	19.466	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	167088	18.689	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209256	19.151	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	97211	19.031	ug/l	98
56) Ethyl methacrylate	10.64	69	117673	17.726	ug/l	98
57) 1,3-Dichloropropane	10.93	76	170453	18.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	188663	93.447	ug/l	99
59) 2-Hexanone	10.96	43	265791	88.384	ug/l	96
60) Dibromochloromethane	11.13	129	108150	18.765	ug/l	97
61) 1,2-Dibromoethane	11.23	107	90241	18.612	ug/l	99
64) Tetrachloroethene	10.86	164	127686	19.078	ug/l	95
65) Chlorobenzene	11.65	112	364347	19.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	124315	19.495	ug/l	99
67) Ethyl Benzene	11.73	91	648572	19.002	ug/l	96
68) m/p-Xylenes	11.83	106	497103	38.054	ug/l	98
69) o-Xylene	12.16	106	229719	19.038	ug/l	100
70) Styrene	12.18	104	396545	19.429	ug/l	100
71) Bromoform	12.35	173	60185	17.303	ug/l #	97
73) Isopropylbenzene	12.46	105	622508	18.367	ug/l	99
74) N-amyl acetate	12.27	43	134302	17.673	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	110842	18.119	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	137100	31.393	ug/l #	100
77) Bromobenzene	12.74	156	145830	18.526	ug/l	99
78) n-propylbenzene	12.80	91	745504	18.706	ug/l	99
79) 2-Chlorotoluene	12.89	91	433533	19.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	540557	18.996	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32043	16.348	ug/l	93
82) 4-Chlorotoluene	12.99	91	451820	19.175	ug/l	100
83) tert-Butylbenzene	13.21	119	456374	18.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	543171	19.181	ug/l	100
85) sec-Butylbenzene	13.38	105	640432	18.571	ug/l	99
86) p-Isopropyltoluene	13.50	119	593133	18.869	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	290038	18.948	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	283368	18.752	ug/l	97
89) n-Butylbenzene	13.82	91	540092	18.502	ug/l	98
90) Hexachloroethane	14.09	117	100703	18.339	ug/l	96
91) 1,2-Dichlorobenzene	13.86	146	257729	19.157	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16325	16.852	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	165049	18.167	ug/l	99
94) Hexachlorobutadiene	15.24	225	115375	18.950	ug/l	97
95) Naphthalene	15.36	128	249343	16.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	145534	18.377	ug/l	99

(#) = 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: VW014542.D

Acq: 07 Jan 2020 12:43

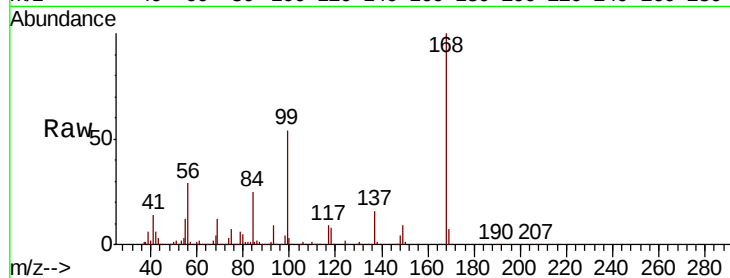
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 683064

Ion Ratio Lower Upper

168 100

99 53.4 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

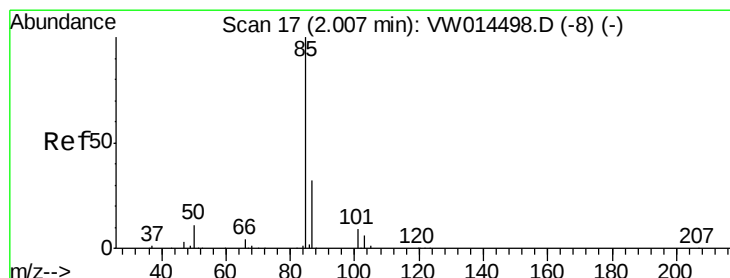
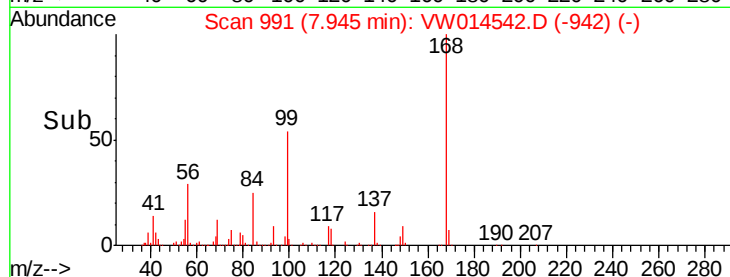
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.997 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014542.D

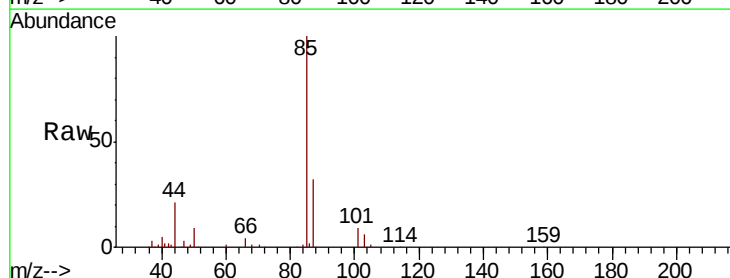
Acq: 07 Jan 2020 12:43

Tgt Ion: 85 Resp: 80980

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

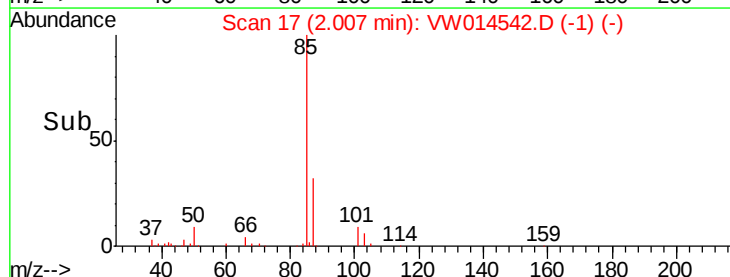
15000

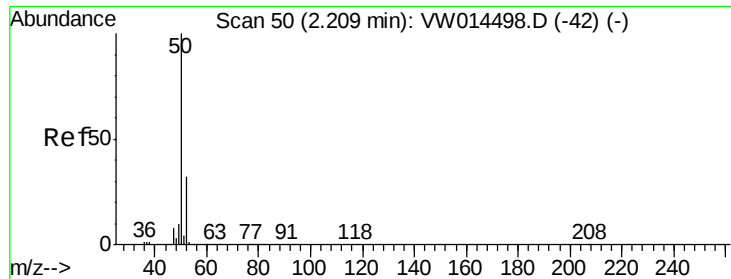
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.278 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

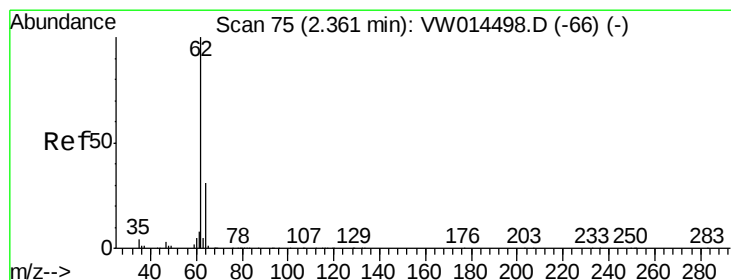
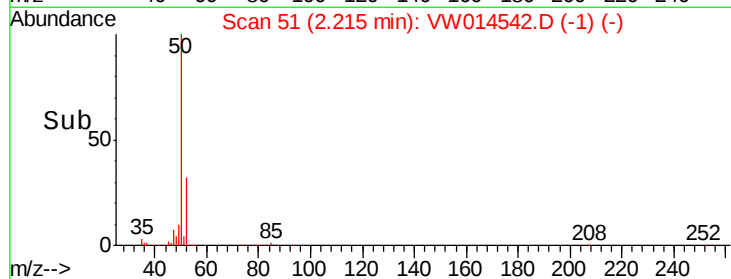
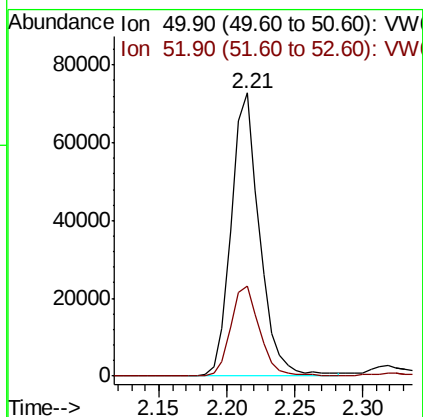
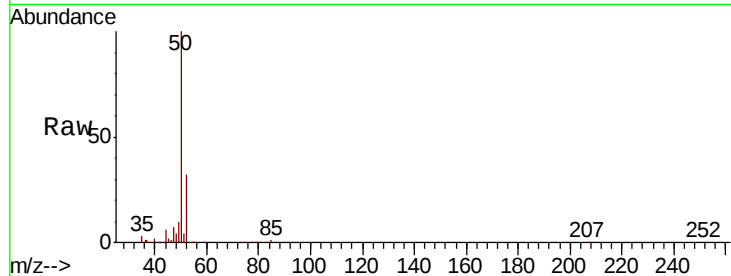
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 105168

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8



#4

Vinyl Chloride

Concen: 21.170 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014542.D

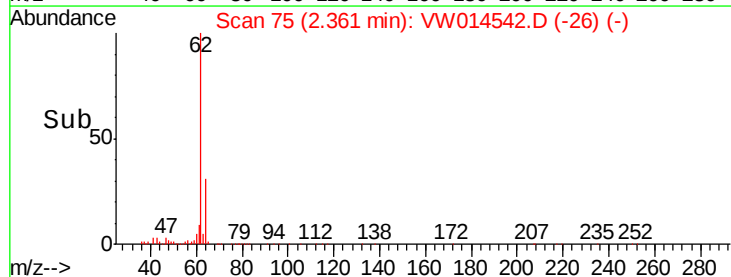
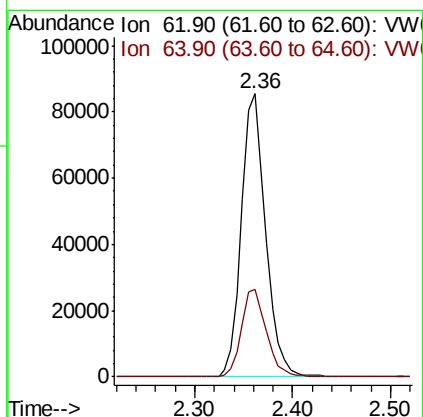
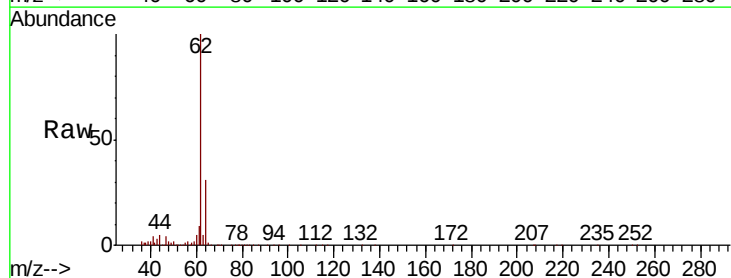
Acq: 07 Jan 2020 12:43

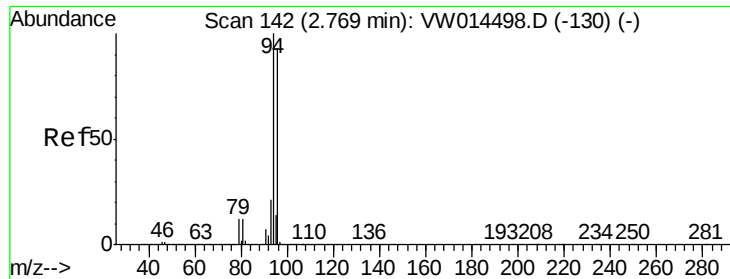
Tgt Ion: 62 Resp: 146991

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 20.871 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

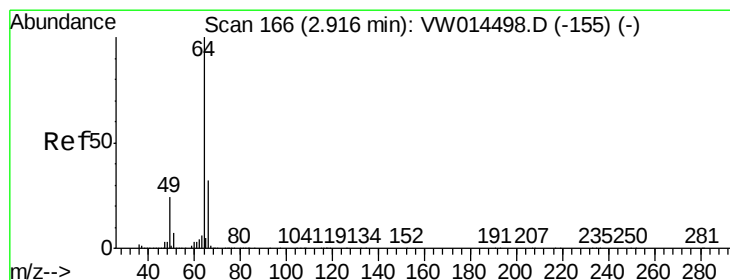
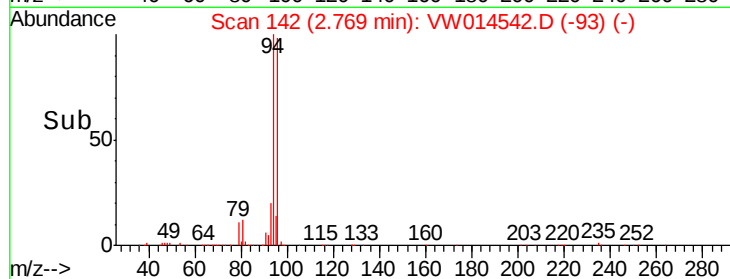
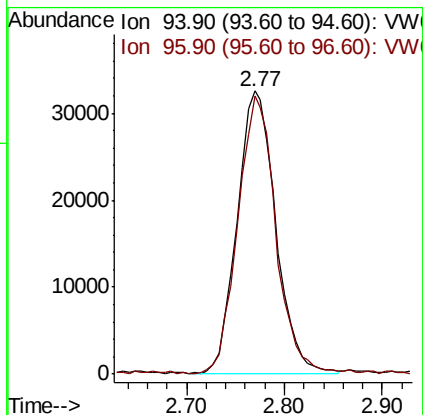
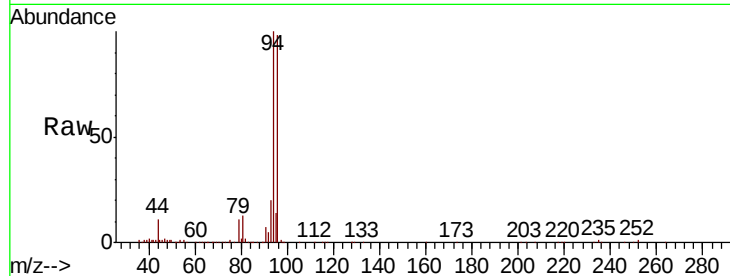
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 89523

Ion Ratio Lower Upper

94 100

96 97.8 74.2 111.2



#6

Chloroethane

Concen: 20.180 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014542.D

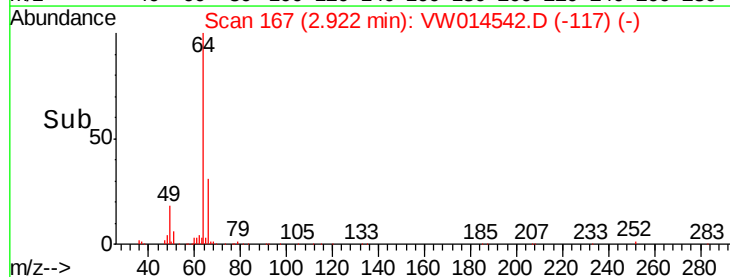
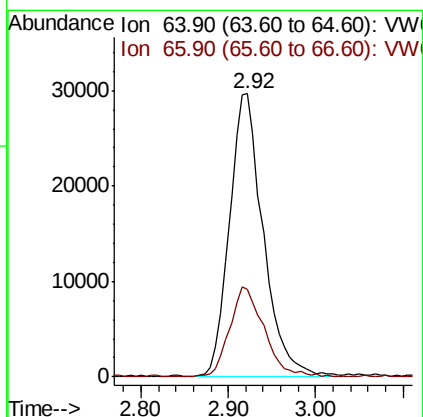
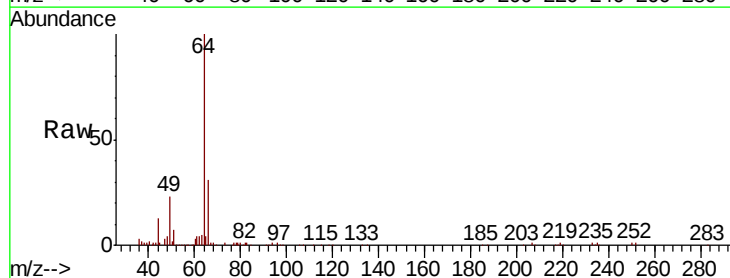
Acq: 07 Jan 2020 12:43

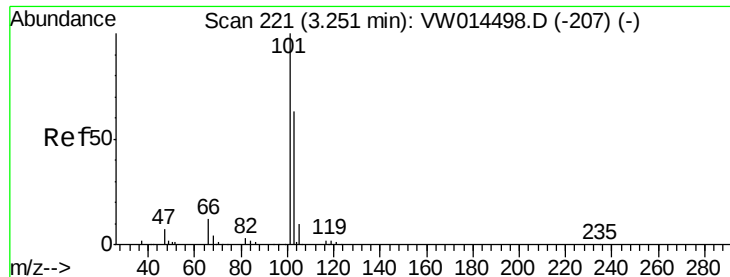
Tgt Ion: 64 Resp: 79874

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5



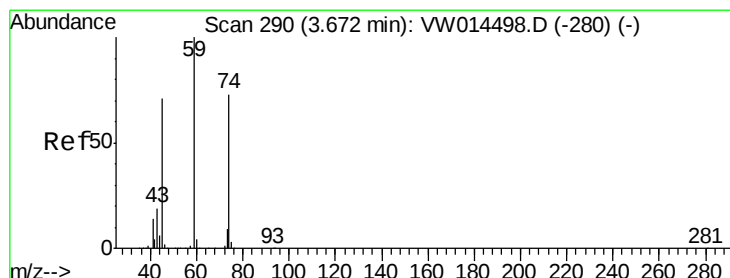
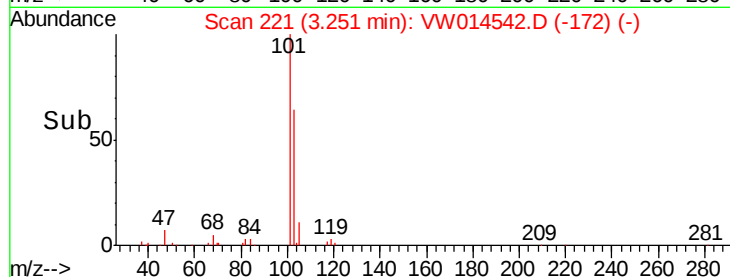
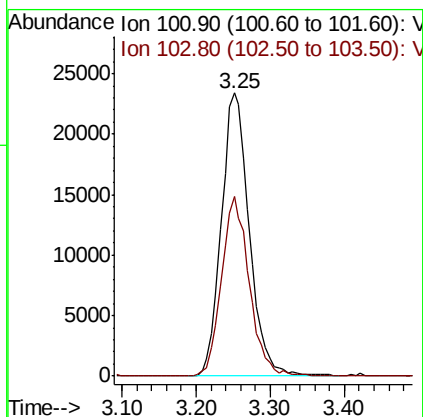
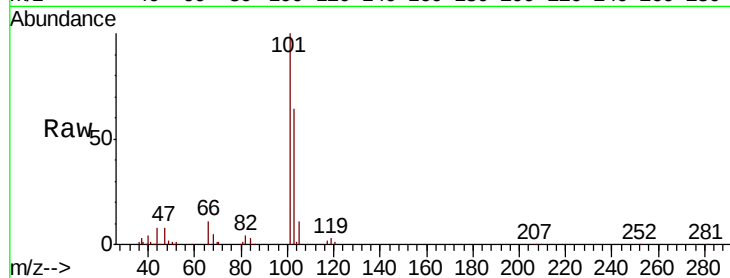


#7

Trichlorofluoromethane
Concen: 17.613 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :

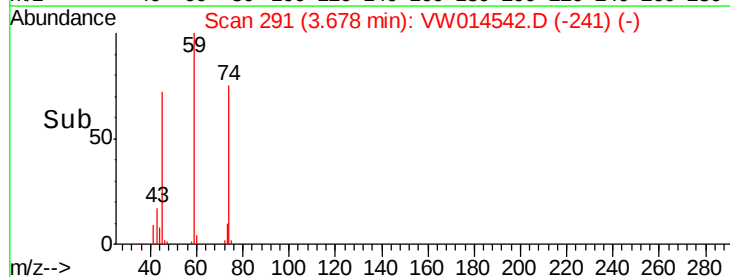
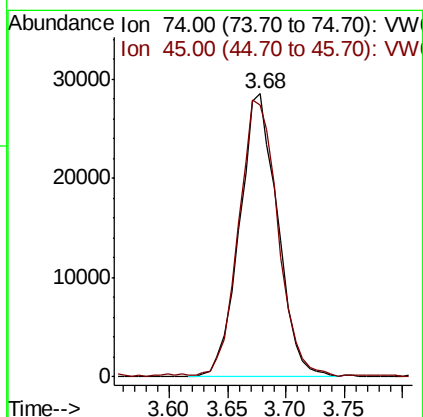
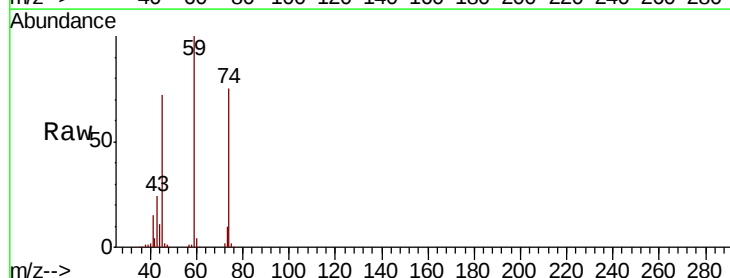
Tot Ion:101 Resp: 61186
Ion Ratio Lower Upper
101 100
103 63.5 50.1 75.1



#8

Diethyl Ether
Concen: 18.765 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 74 Resp: 64863
Ion Ratio Lower Upper
74 100
45 99.8 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

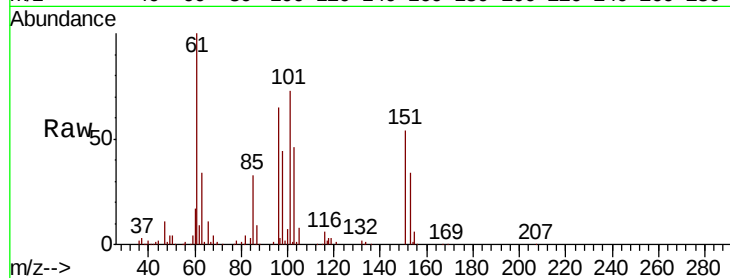
Tot Ion:101 Resp: 127239

Ion Ratio Lower Upper

101 100

85 43.0 33.7 50.5

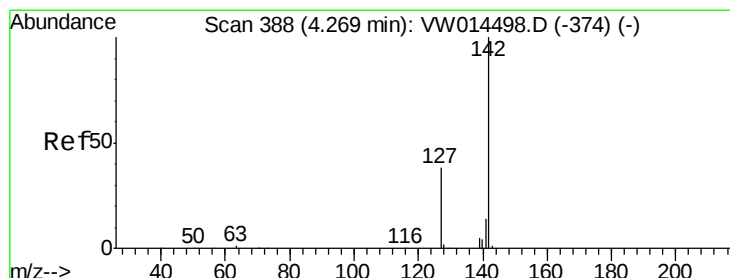
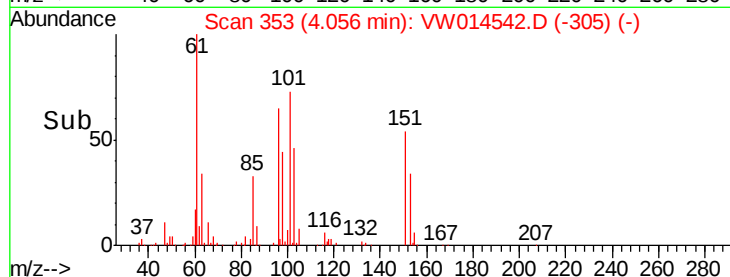
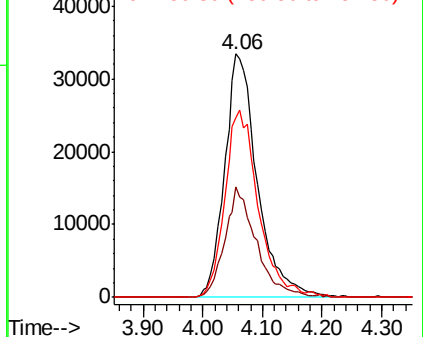
151 79.2 63.5 95.3



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: 19.915 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

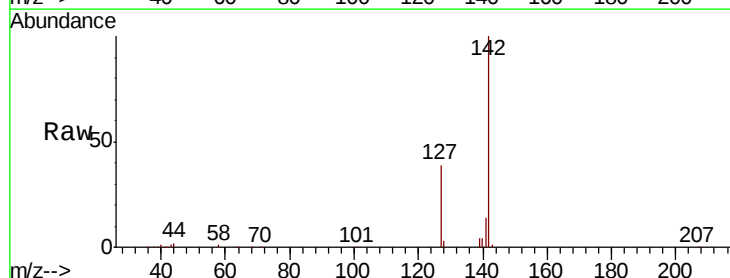
Tgt Ion:142 Resp: 195044

Ion Ratio Lower Upper

142 100

127 39.3 30.2 45.4

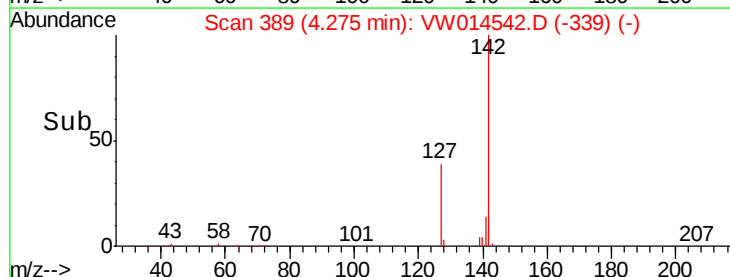
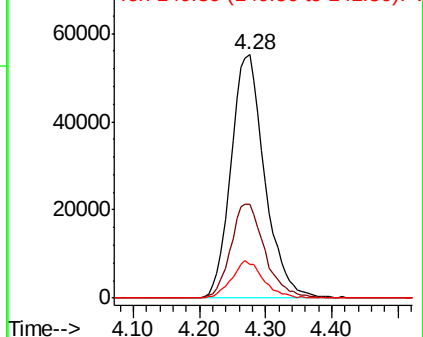
141 14.5 11.4 17.2

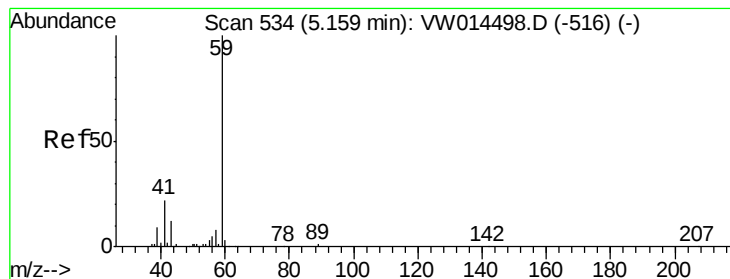


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



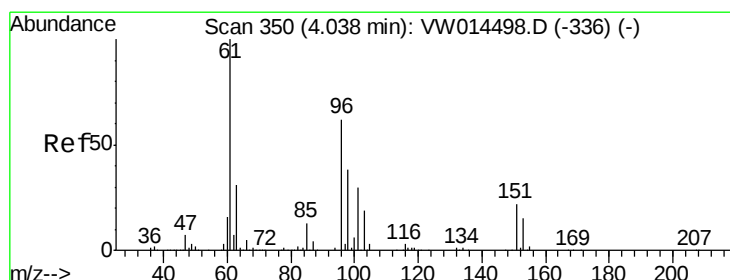
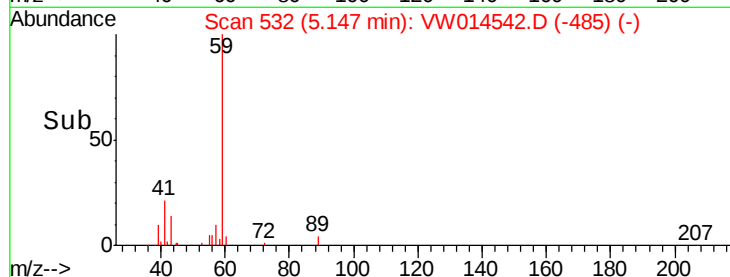
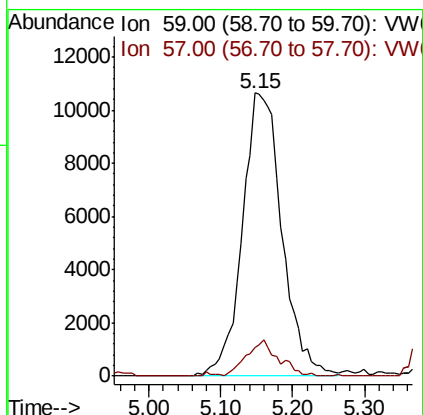
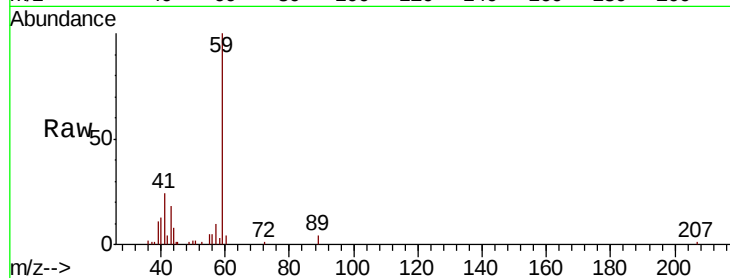


#11

Tert butyl alcohol
Concen: 71.695 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :

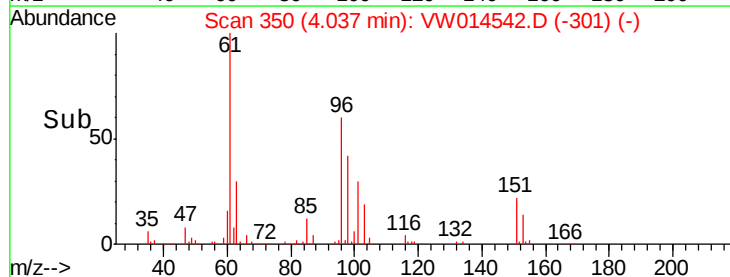
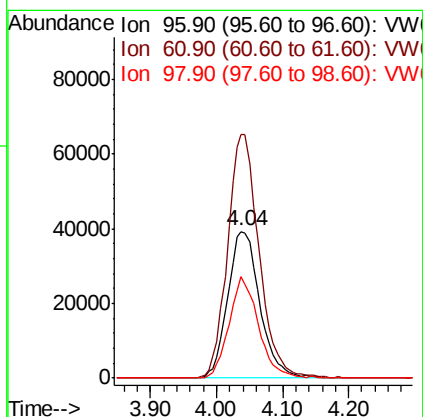
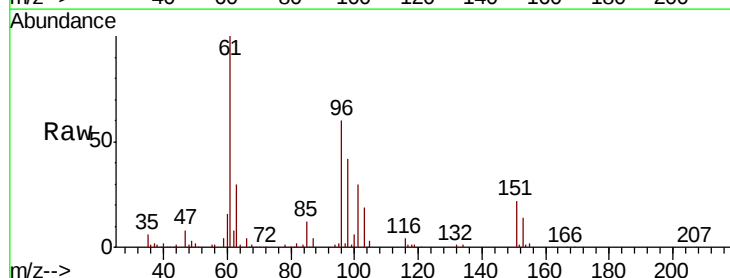
Tot Ion: 59 Resp: 40545
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8

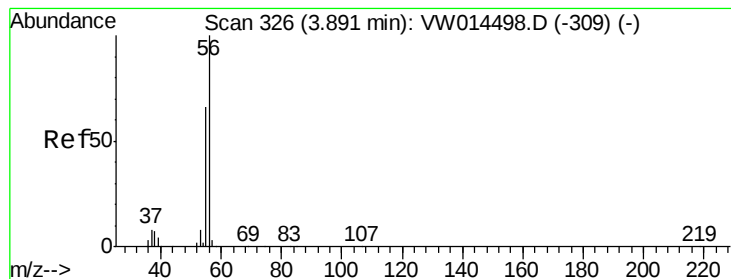


#12

1,1-Dichloroethene
Concen: 19.499 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 96 Resp: 132544
Ion Ratio Lower Upper
96 100
61 166.2 128.4 192.6
98 69.2 49.1 73.7





#13

Acrolein

Concen: 89.285 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

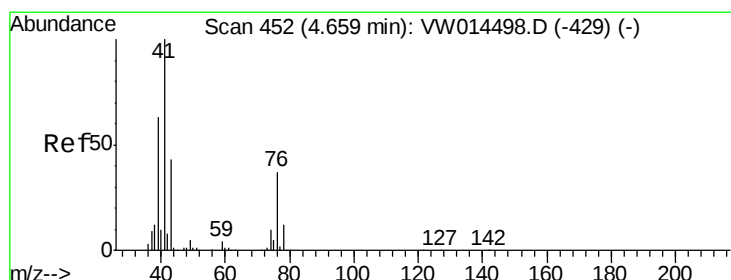
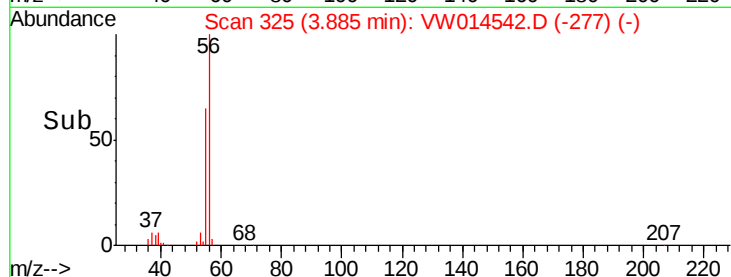
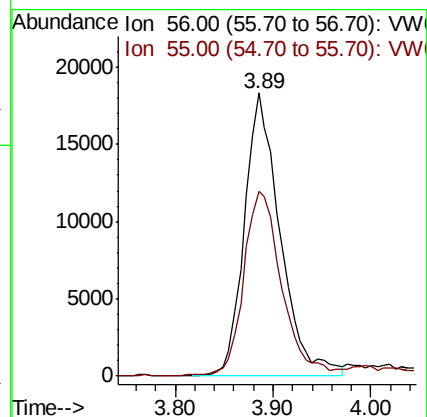
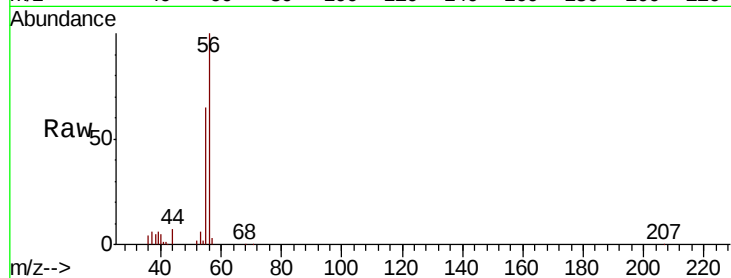
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 46540

Ion Ratio Lower Upper

56 100

55 69.3 56.7 85.1



#14

Allyl chloride

Concen: 19.521 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

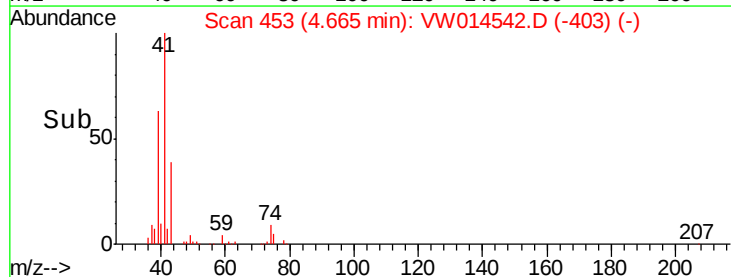
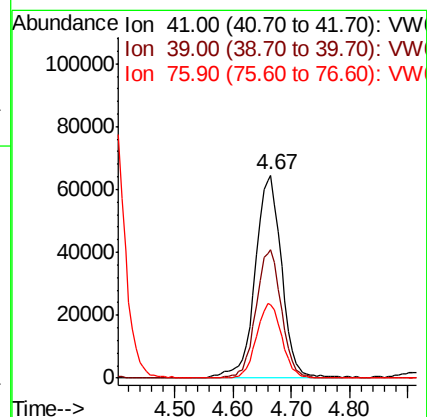
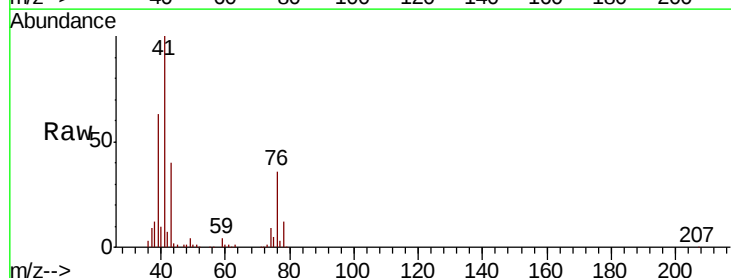
Tgt Ion: 41 Resp: 202781

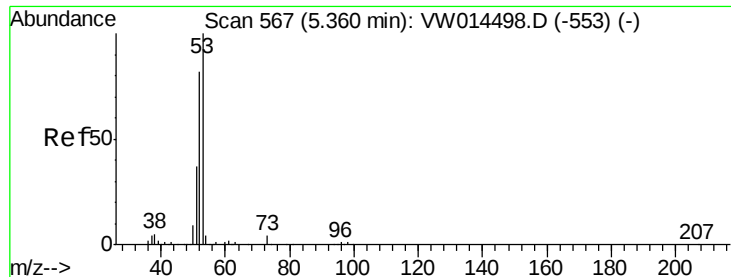
Ion Ratio Lower Upper

41 100

39 60.9 48.5 72.7

76 35.3 28.1 42.1





#15

Acrylonitrile

Concen: 90.662 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

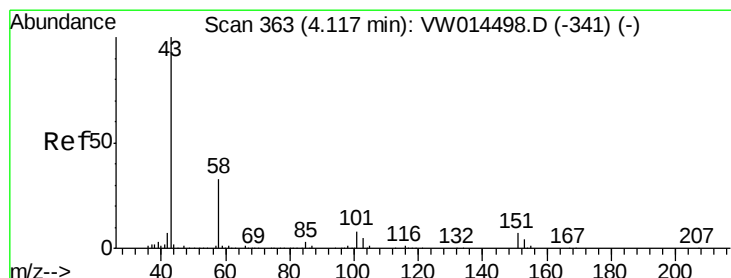
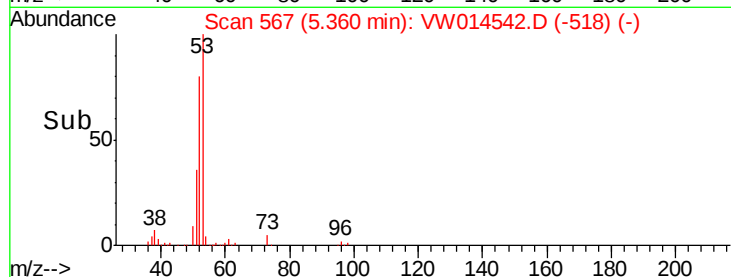
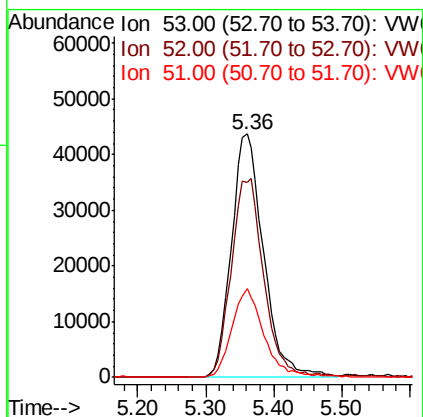
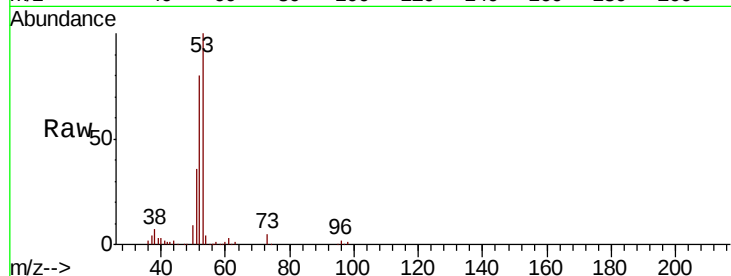
Tot Ion: 53 Resp: 143243

Ion Ratio Lower Upper

53 100

52 81.9 66.5 99.7

51 36.4 28.4 42.6



#16

Acetone

Concen: 82.729 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014542.D

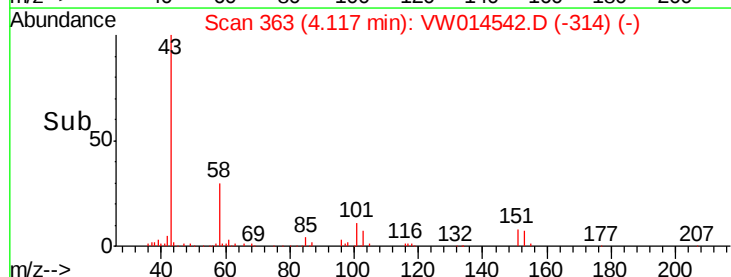
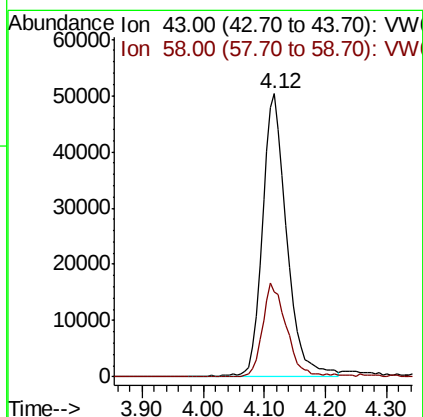
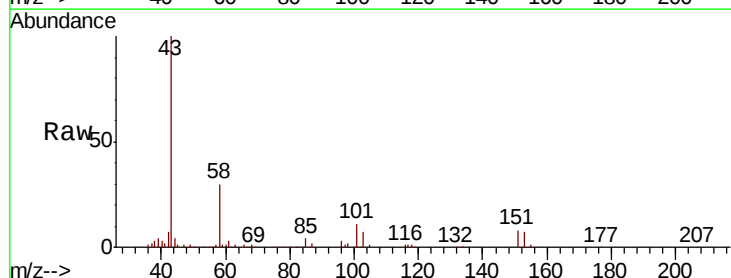
Acq: 07 Jan 2020 12:43

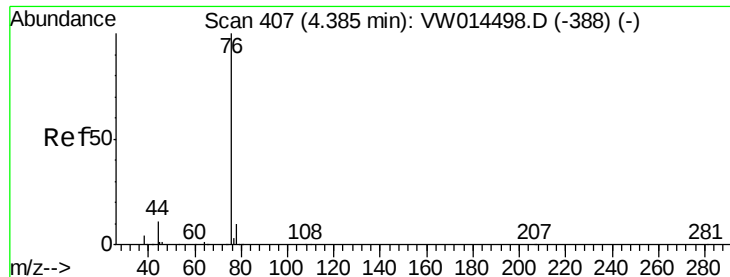
Tgt Ion: 43 Resp: 139508

Ion Ratio Lower Upper

43 100

58 29.6 26.6 39.8





#17

Carbon Disulfide

Concen: 19.662 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

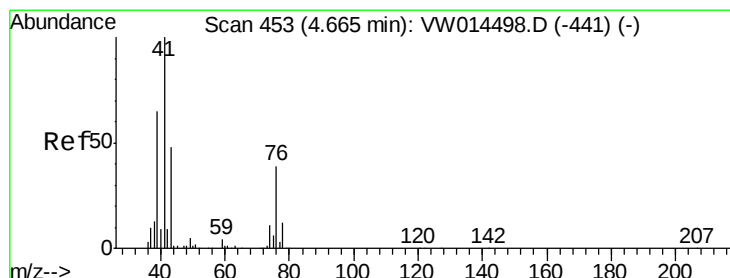
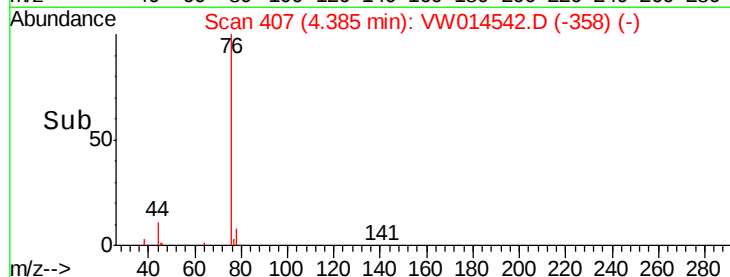
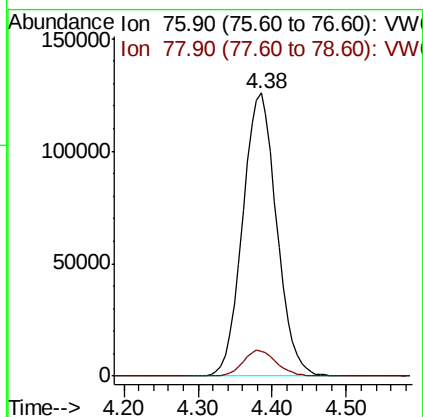
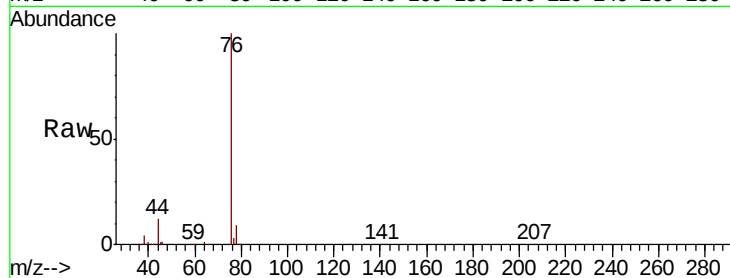
ClientSampled :

Tot Ion: 76 Resp: 402821

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.6



#18

Methyl Acetate

Concen: 18.602 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014542.D

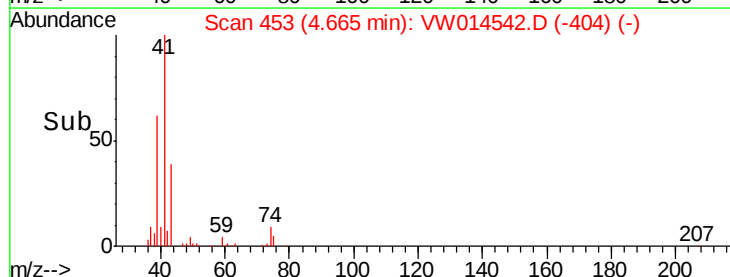
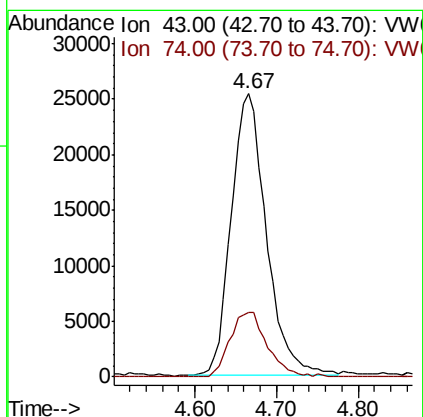
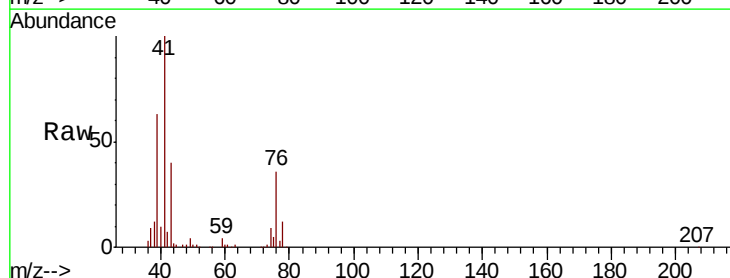
Acq: 07 Jan 2020 12:43

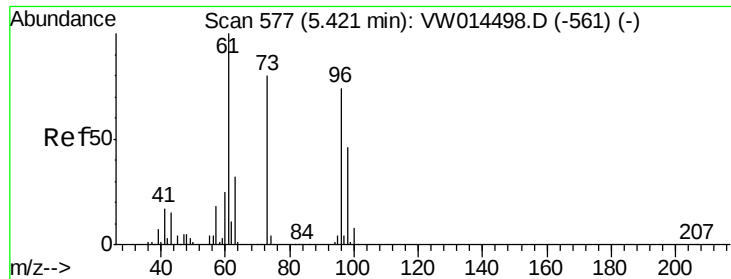
Tgt Ion: 43 Resp: 75760

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9

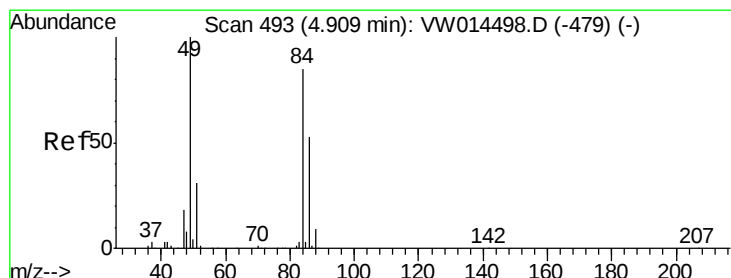
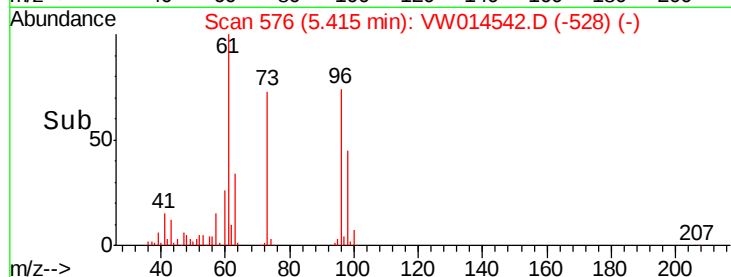
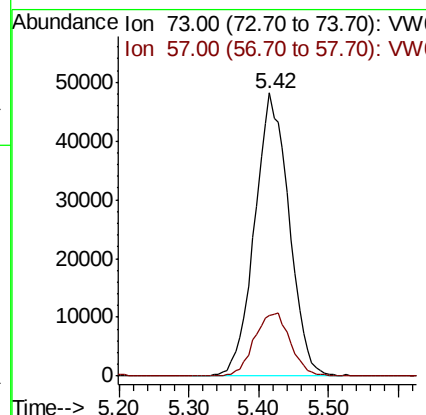
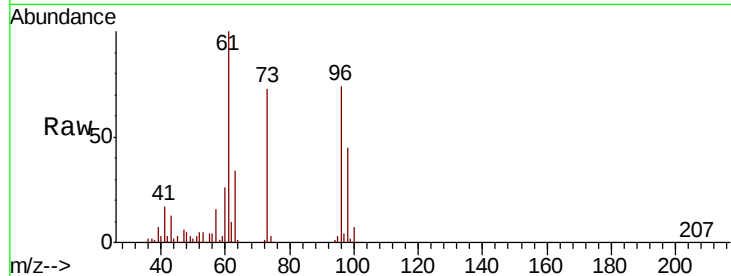




#19
Methyl tert-butyl Ether
Concen: 19.426 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

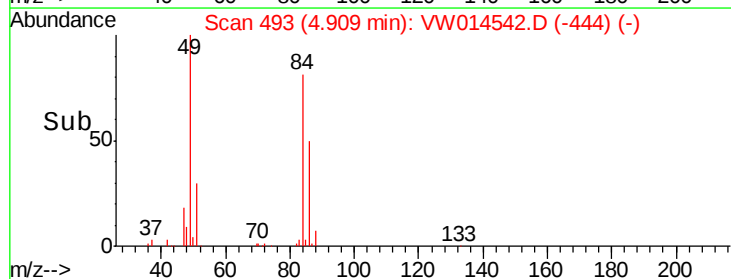
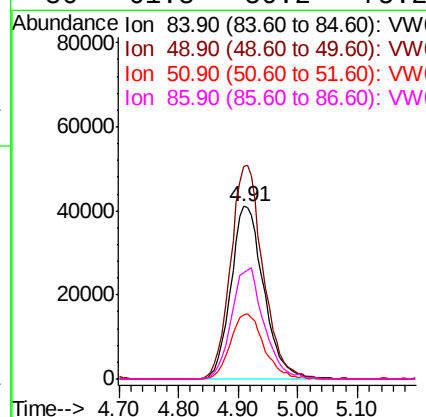
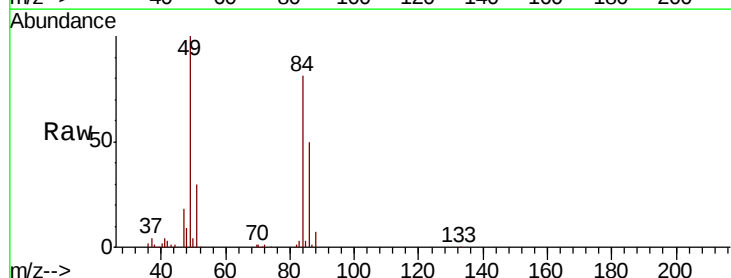
Instrument :
MSVOA_W
ClientSampled :

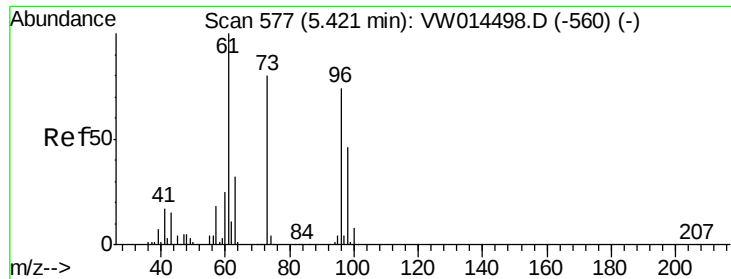
Tot Ion: 73 Resp: 163913
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 20.359 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 84 Resp: 157132
Ion Ratio Lower Upper
84 100
49 123.2 94.4 141.6
51 37.3 29.5 44.3
86 61.8 50.2 75.2

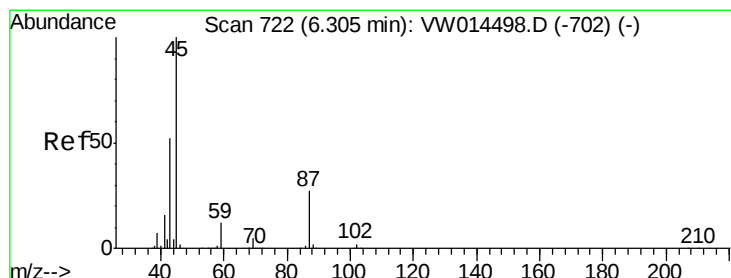
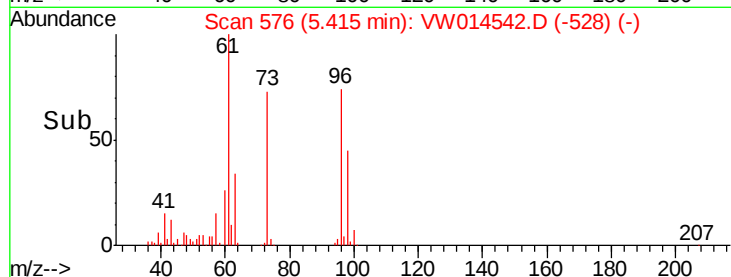
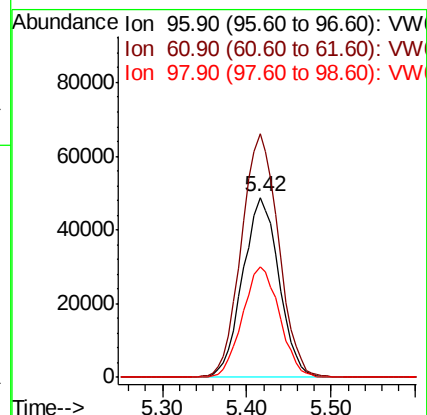
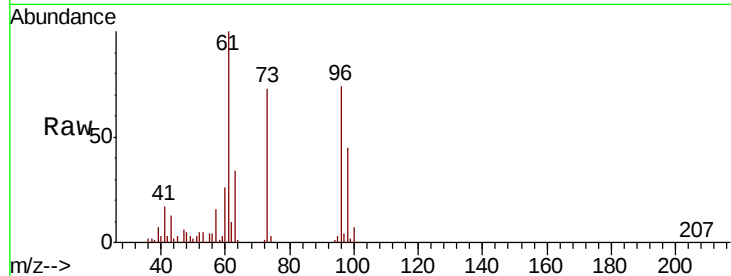




#21
trans-1,2-Dichloroethene
Concen: 19.710 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

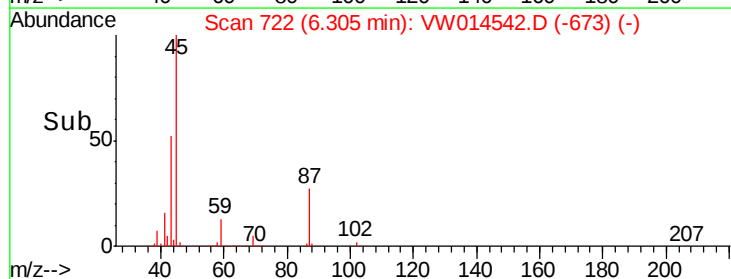
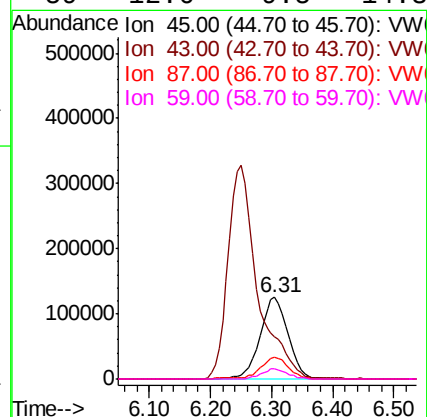
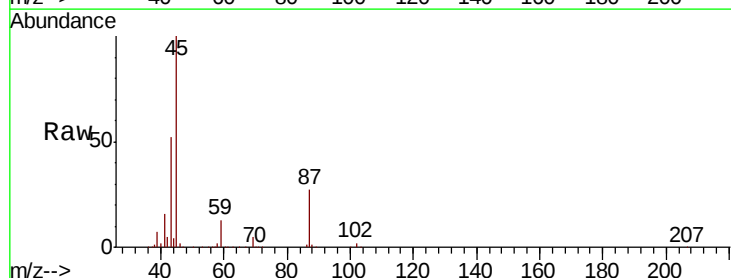
Instrument :
MSVOA_W
ClientSampleId :

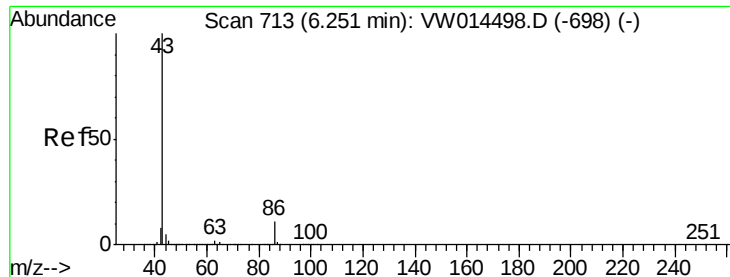
Tot Ion: 96 Resp: 142265
Ion Ratio Lower Upper
96 100
61 135.4 107.8 161.6
98 61.5 49.4 74.0



#22
Diisopropyl ether
Concen: 20.605 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 45 Resp: 400623
Ion Ratio Lower Upper
45 100
43 52.3 41.4 62.0
87 27.3 22.2 33.2
59 12.6 9.5 14.3

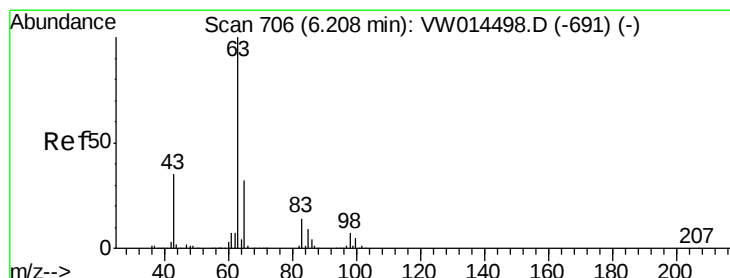
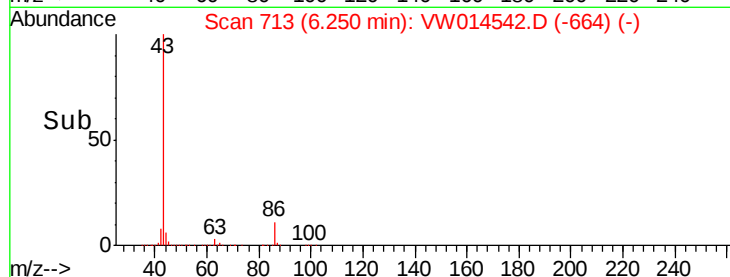
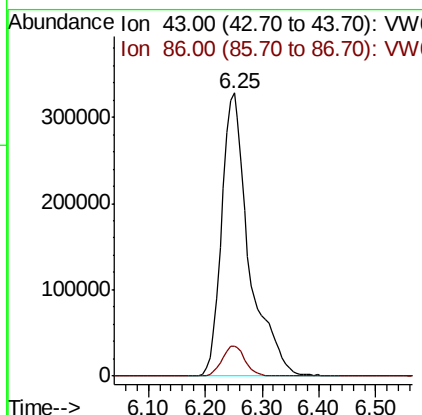
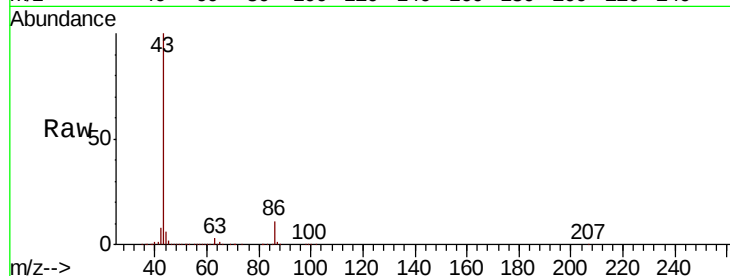




#23
 Vinyl Acetate
 Concen: 93.571 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

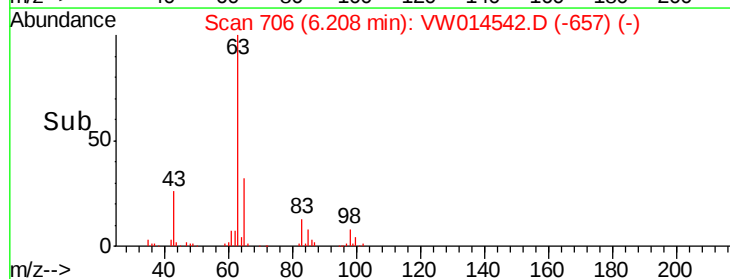
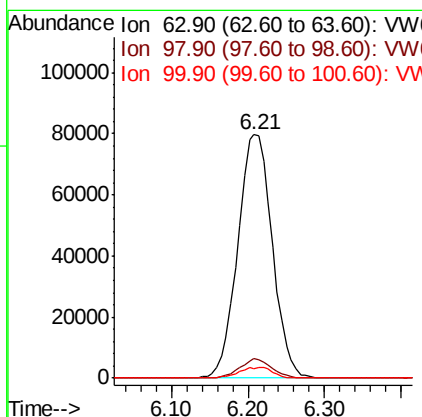
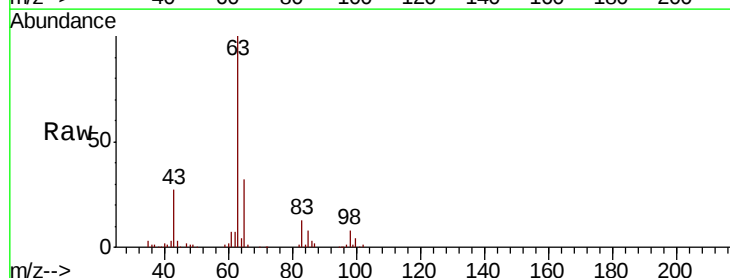
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 1098599
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 20.336 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion: 63 Resp: 249405
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.4
 100 4.0 2.5 7.4

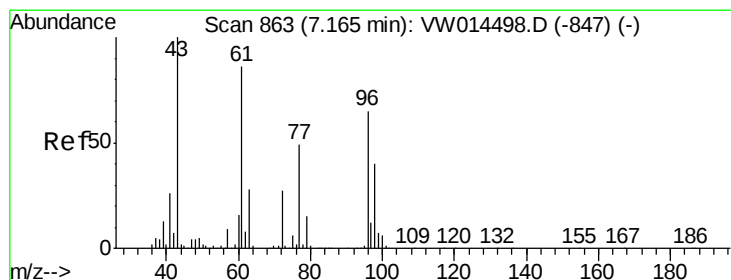
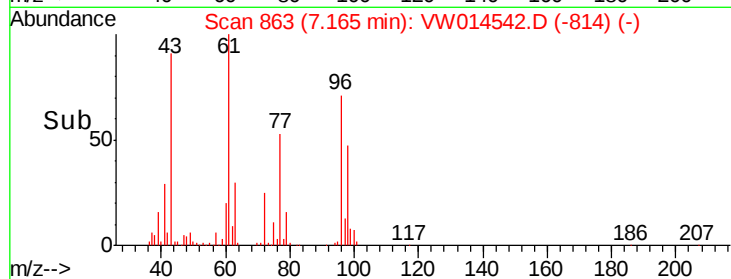
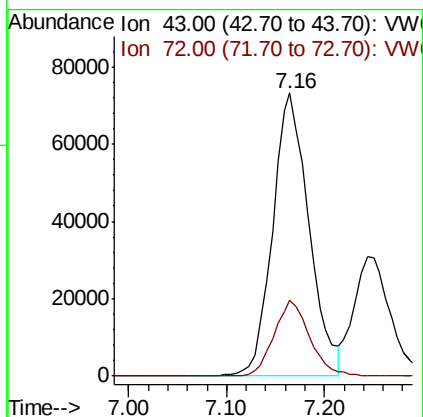
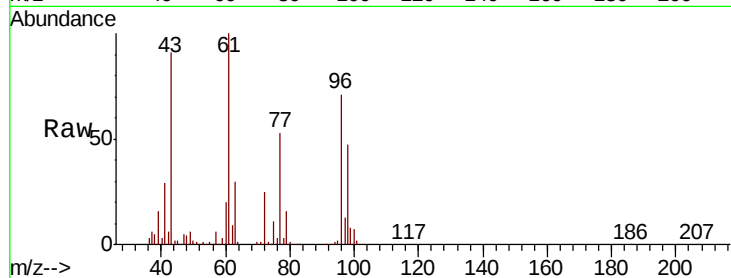




#25
2-Butanone
Concen: 87.288 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

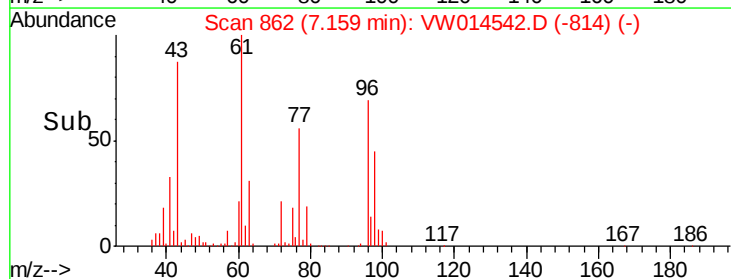
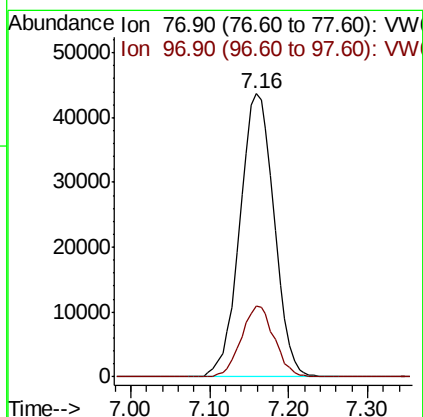
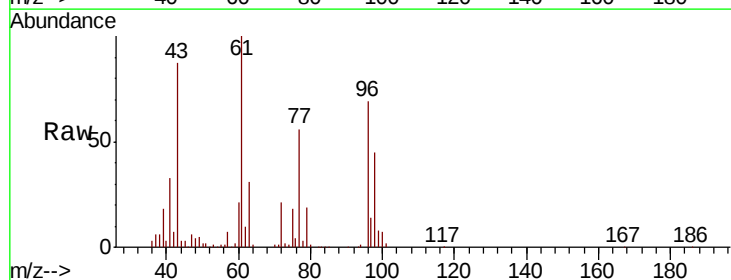
Instrument :
MSVOA_W
ClientSampled :

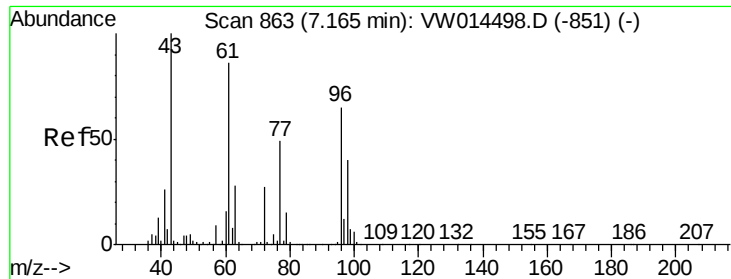
Tot Ion: 43 Resp: 188901
Ion Ratio Lower Upper
43 100
72 27.1 21.9 32.9



#26
2,2-Dichloropropane
Concen: 19.421 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 77 Resp: 131870
Ion Ratio Lower Upper
77 100
97 24.1 12.5 37.5



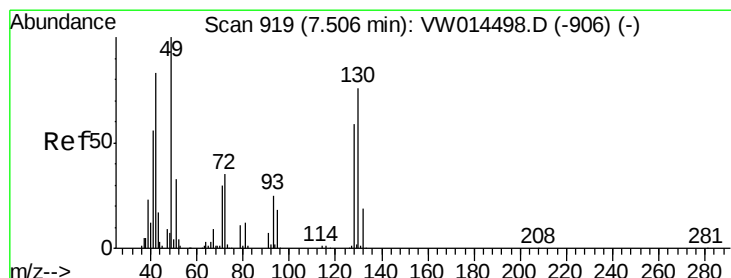
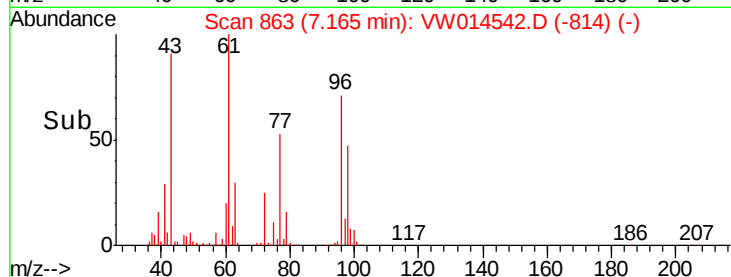
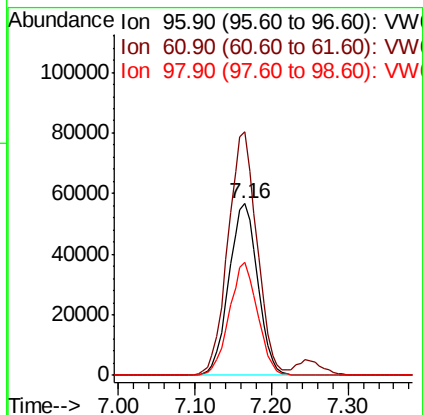
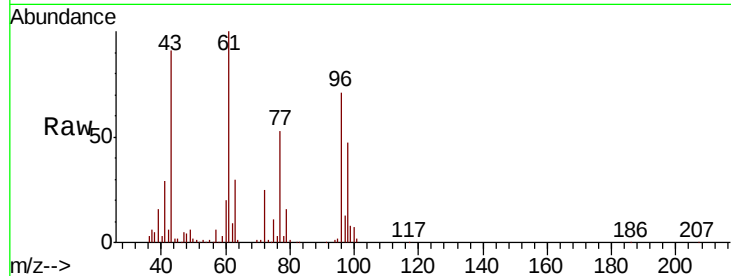


#27

cis-1,2-Dichloroethene
Concen: 19.470 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :

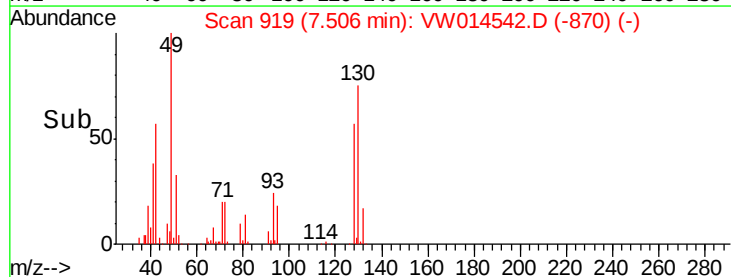
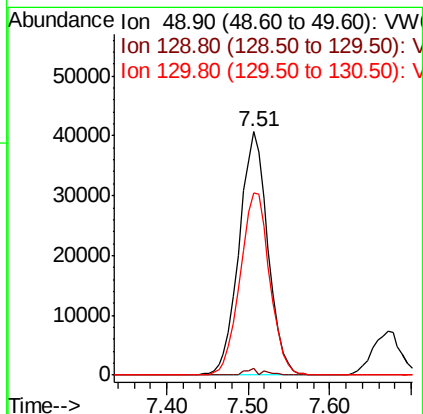
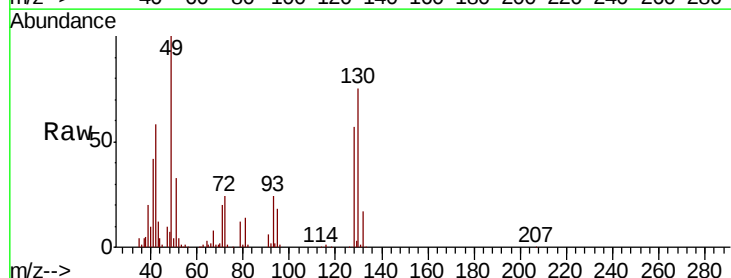
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	274.8
98	64.4	0.0	128.6

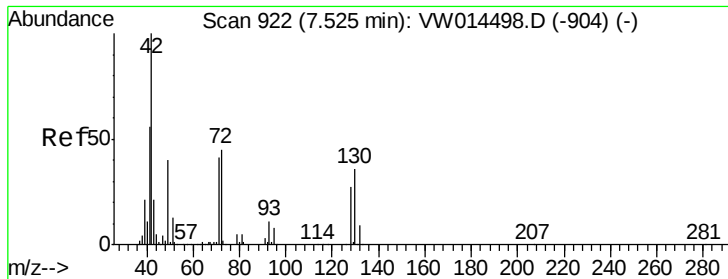


#28

Bromochloromethane
Concen: 20.610 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.0
130	77.2	62.5	93.7

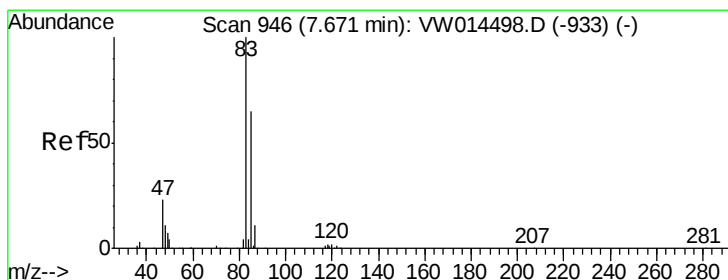
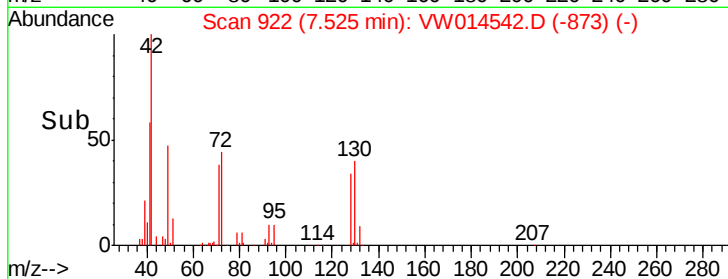
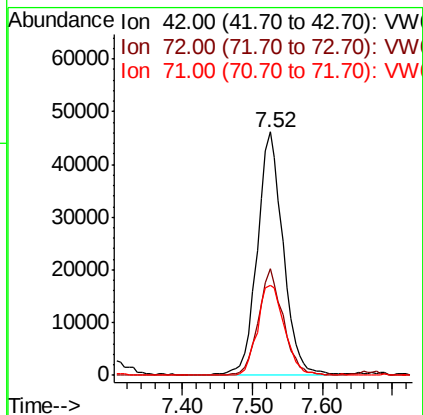
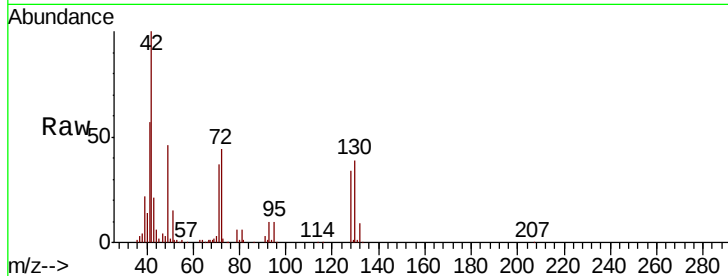




#29
Tetrahydrofuran
Concen: 87.793 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

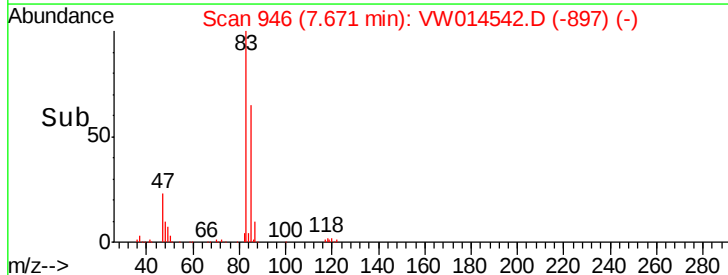
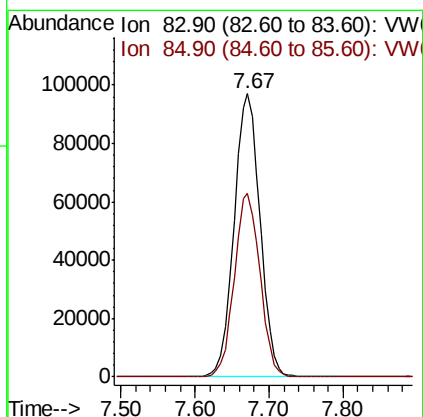
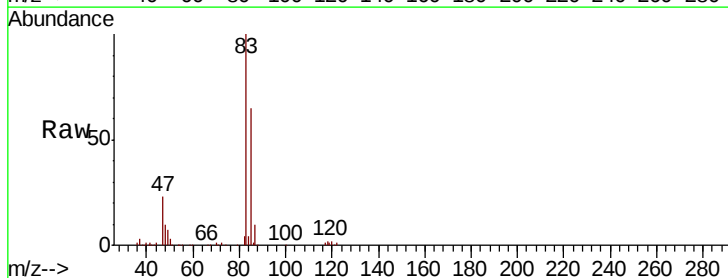
Instrument :
MSVOA_W
ClientSampleId :

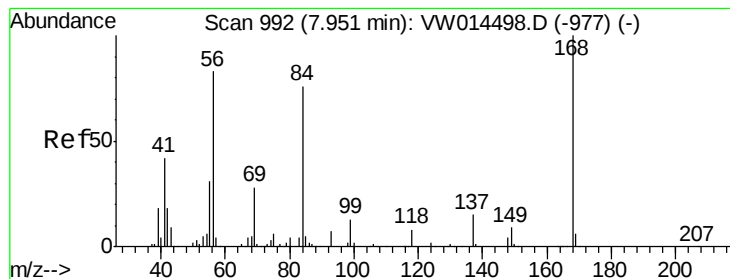
Tot Ion: 42 Resp: 117703
Ion Ratio Lower Upper
42 100
72 42.2 34.5 51.7
71 39.0 32.0 48.0



#30
Chloroform
Concen: 20.680 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 83 Resp: 237176
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.2





#31

Cyclohexane

Concen: 18.815 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

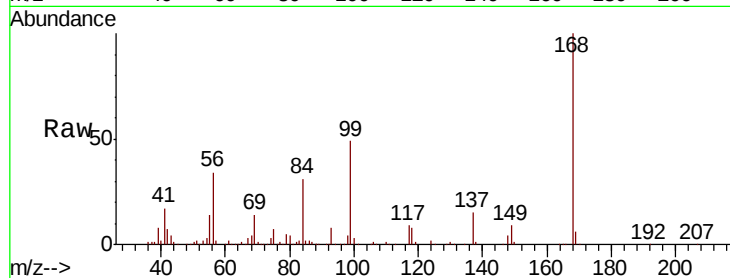
Tot Ion: 56 Resp: 239808

Ion Ratio Lower Upper

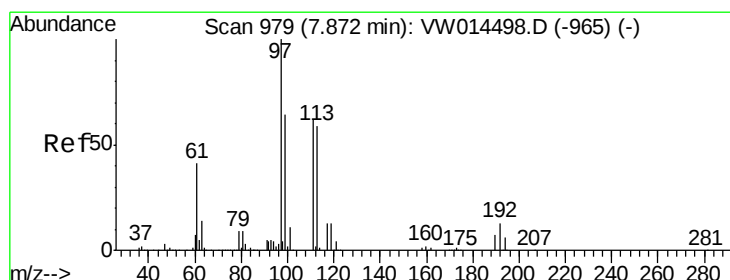
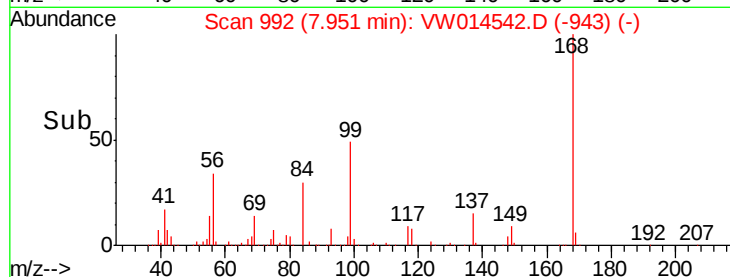
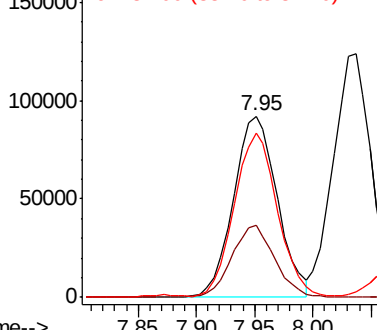
56 100

69 39.5 26.8 40.2

84 89.5 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: 19.823 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

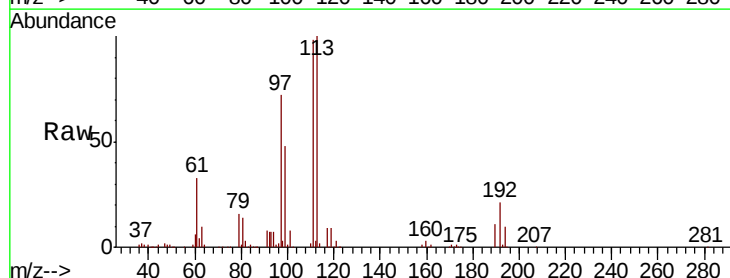
Tgt Ion: 97 Resp: 182844

Ion Ratio Lower Upper

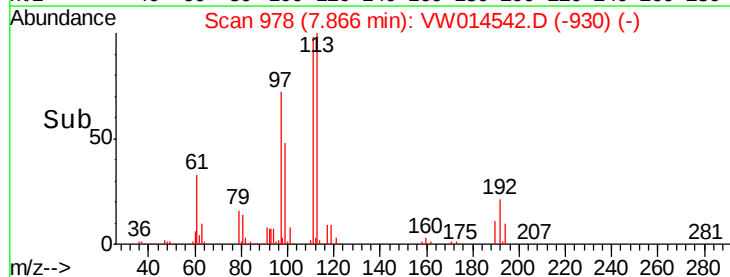
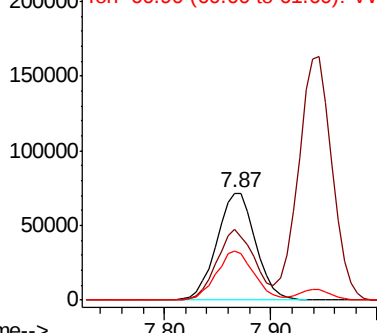
97 100

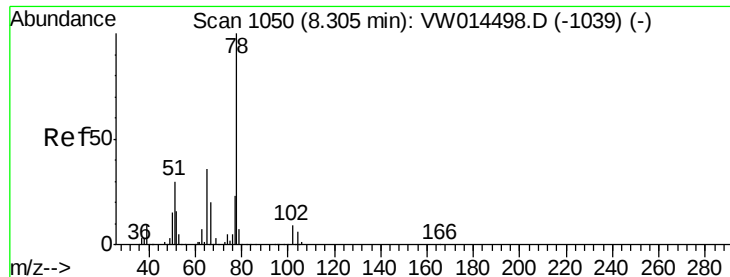
99 64.4 51.8 77.6

61 44.6 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: 56.019 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

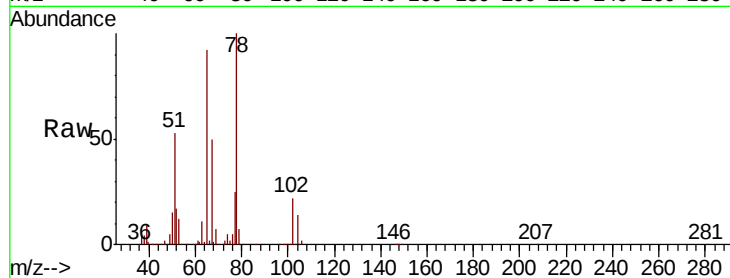
ClientSampleId :

Tot Ion: 65 Resp: 334554

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

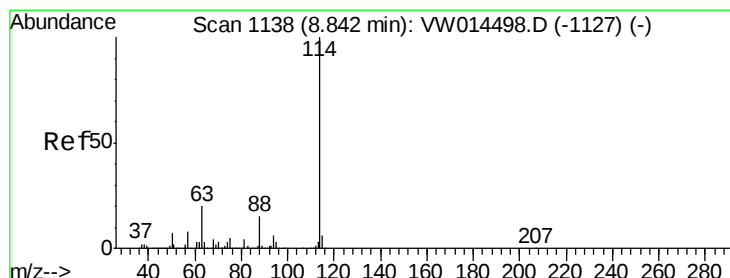
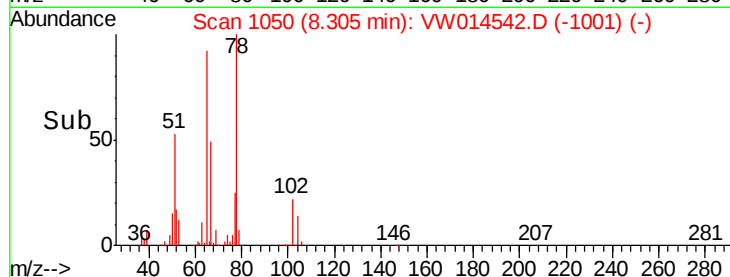
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

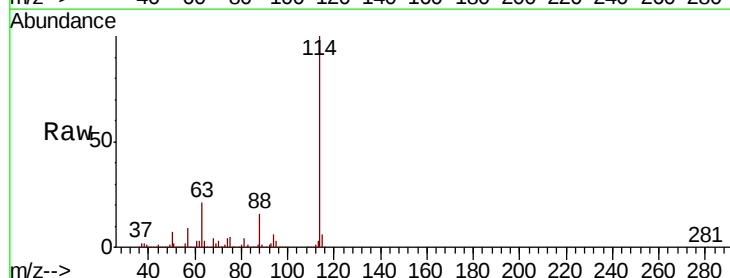
Tgt Ion: 114 Resp: 1058462

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

88 16.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

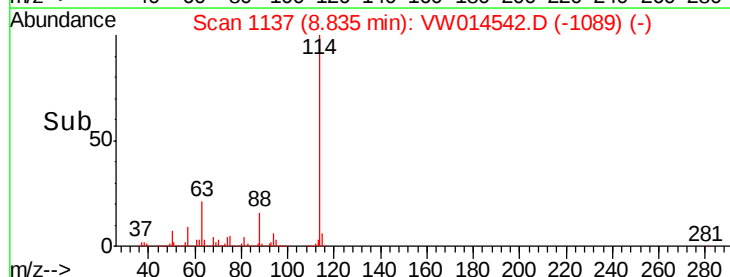
600000

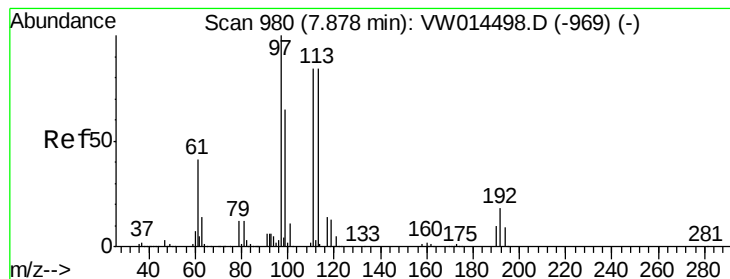
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 54.817 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :

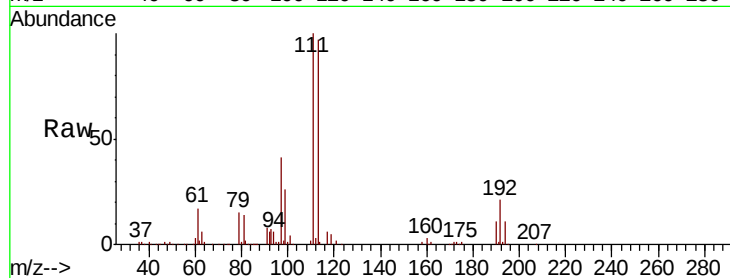
Tot Ion:113 Resp: 331606

Ion Ratio Lower Upper

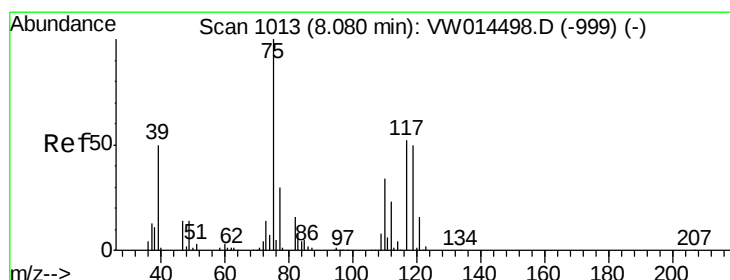
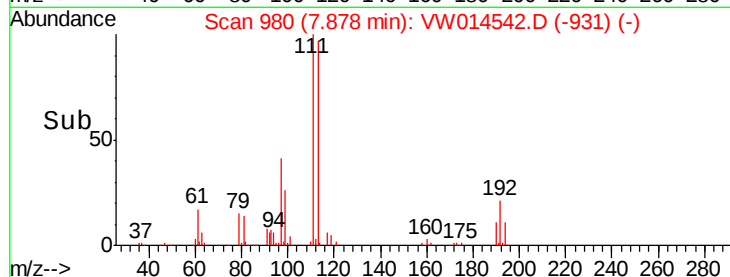
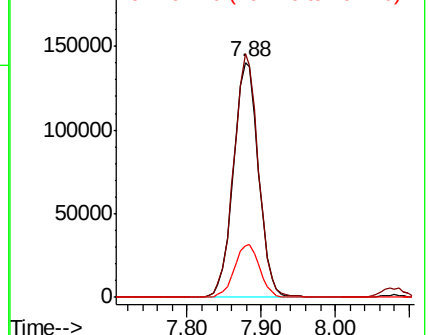
113 100

111 101.8 81.4 122.2

192 22.5 17.8 26.8



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



#36

1,1-Dichloropropene

Concen: 19.008 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

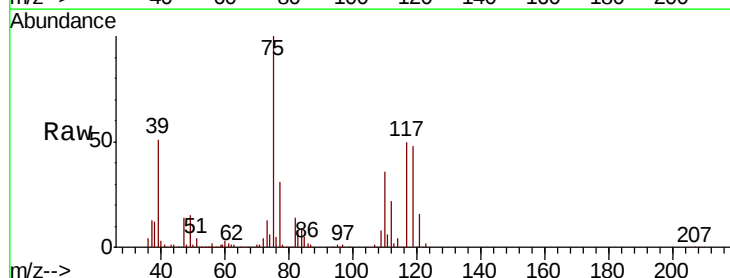
Tgt Ion: 75 Resp: 193955

Ion Ratio Lower Upper

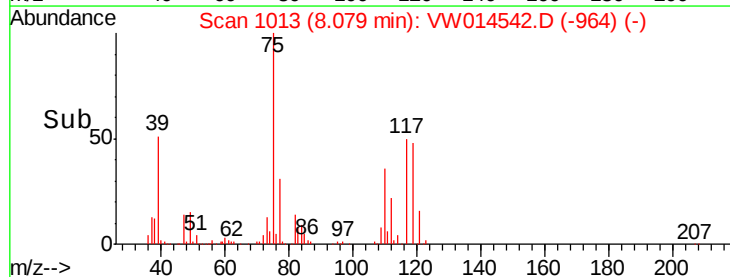
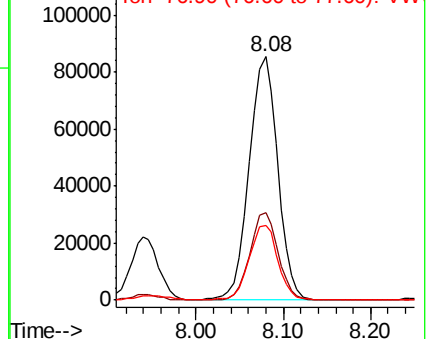
75 100

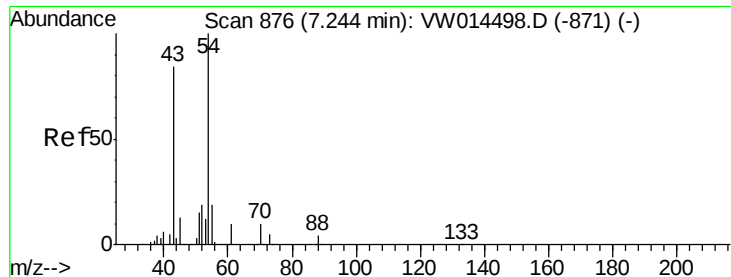
110 35.2 17.8 53.5

77 31.1 24.7 37.1



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

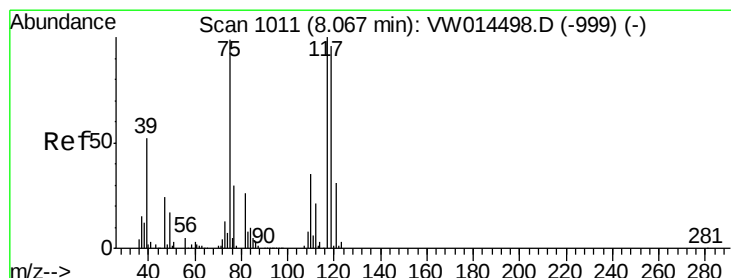
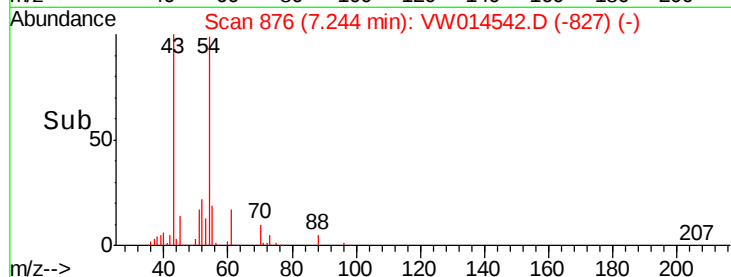
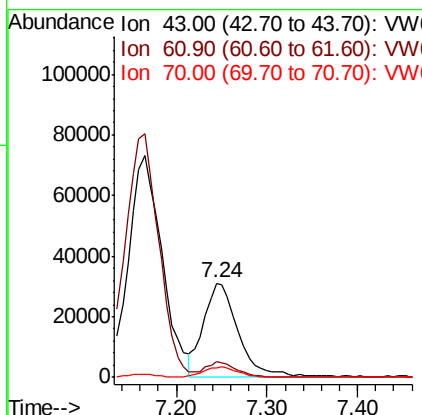
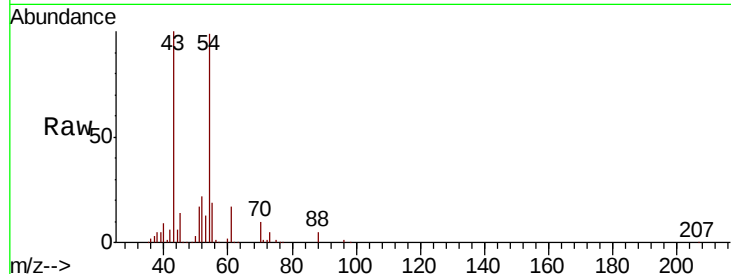




#37
Ethyl Acetate
Concen: 17.639 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

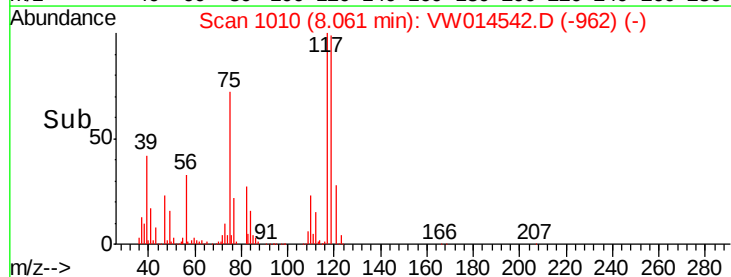
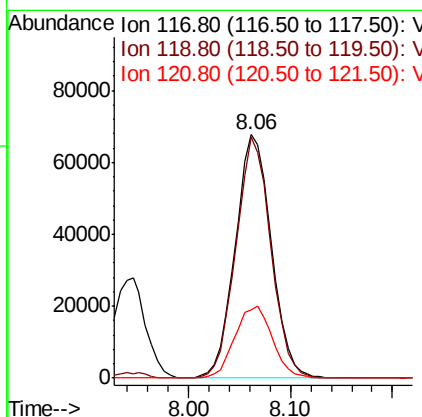
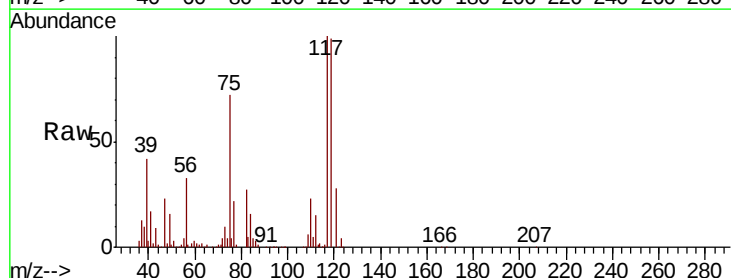
Instrument :
MSVOA_W
ClientSampleID :

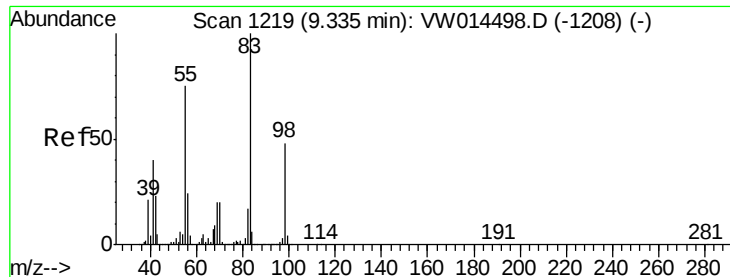
Tot Ion: 43 Resp: 81632
Ion Ratio Lower Upper
43 100
61 15.4 11.7 17.5
70 11.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.808 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 117 Resp: 166497
Ion Ratio Lower Upper
117 100
119 98.9 77.0 115.6
121 28.3 24.6 36.8

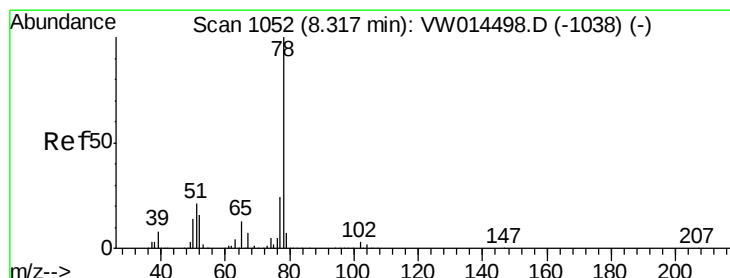
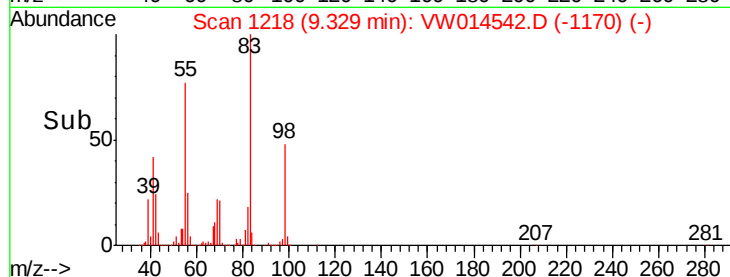
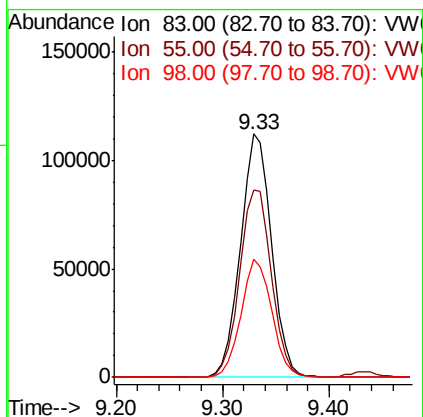
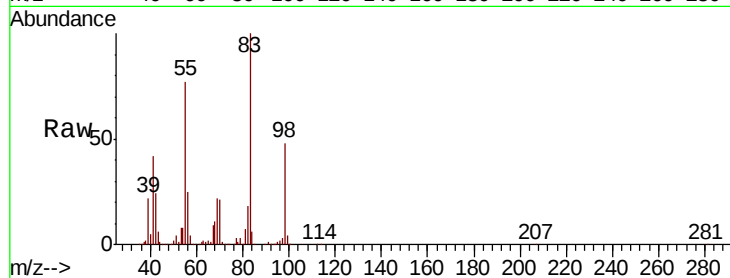




#39
Methvlcvclohexane
Concen: 17.600 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

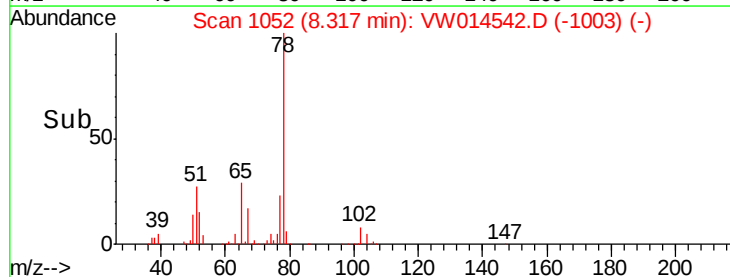
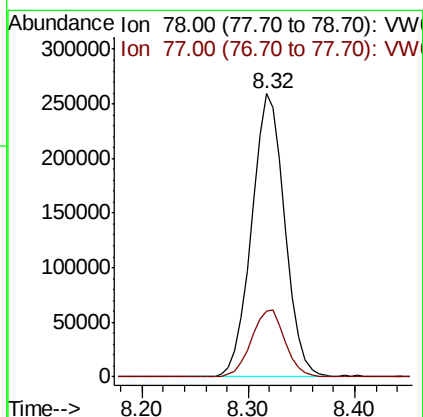
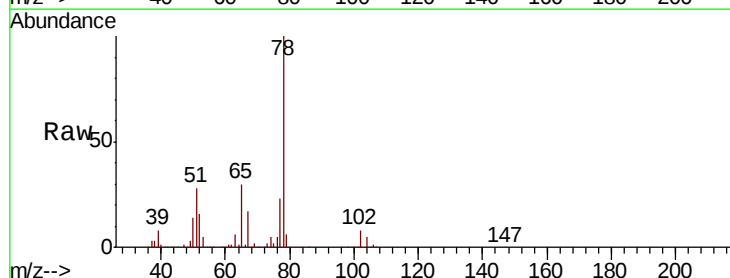
Instrument :
MSVOA_W
ClientSampled :

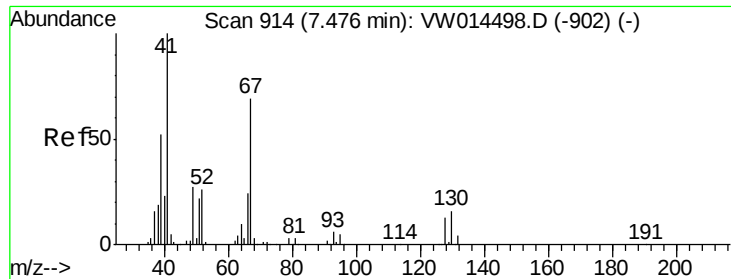
Tot Ion	83	Resp	230466
Ion Ratio	Lower	Upper	
83	100		
55	76.7	60.1	90.1
98	48.5	38.8	58.2



#40
Benzene
Concen: 19.600 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	78	Resp	565862
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.3	28.9

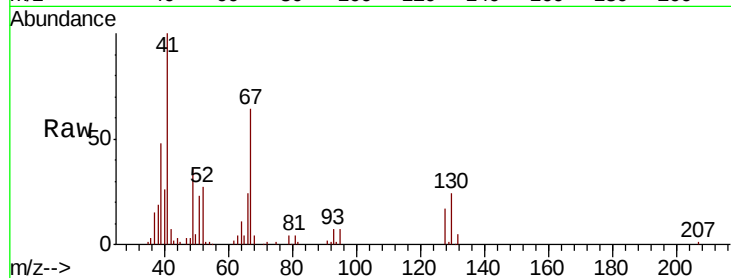




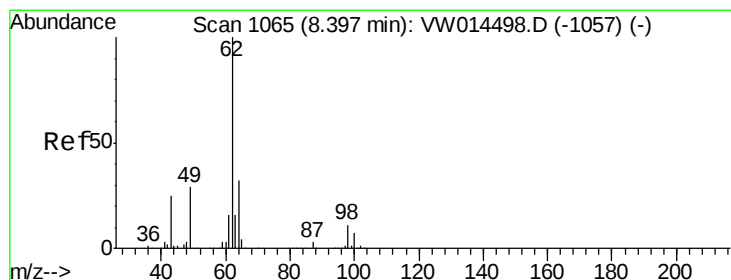
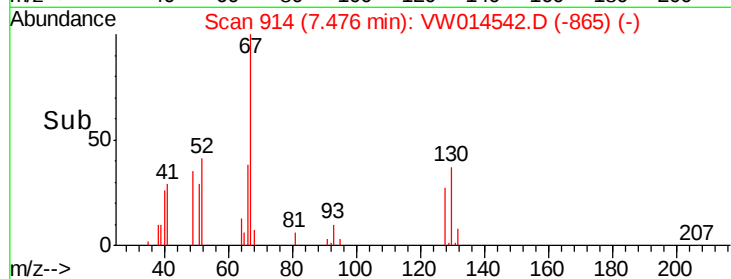
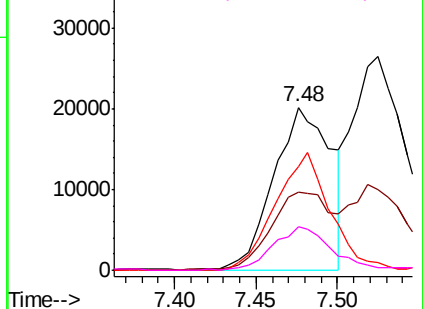
#41
Methacrylonitrile
Concen: 19.070 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	49196
Ion	Ratio	Lower	Upper
41	100		
39	51.5	46.0	69.0
67	69.4	60.8	91.2
52	27.8	23.7	35.5

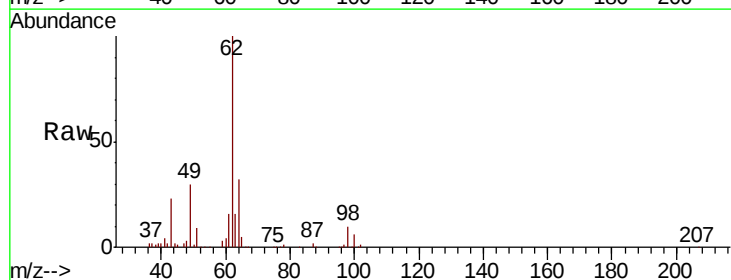


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

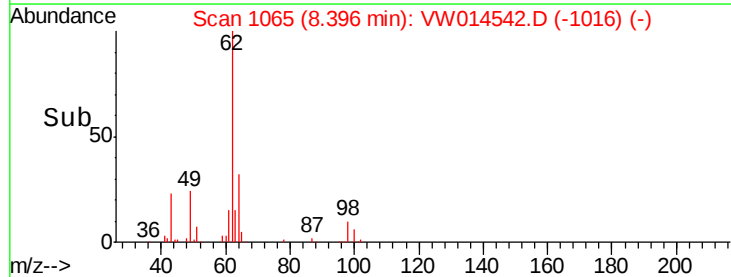
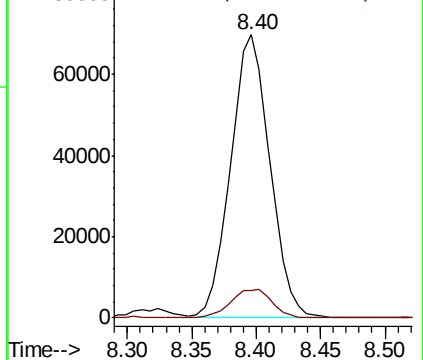


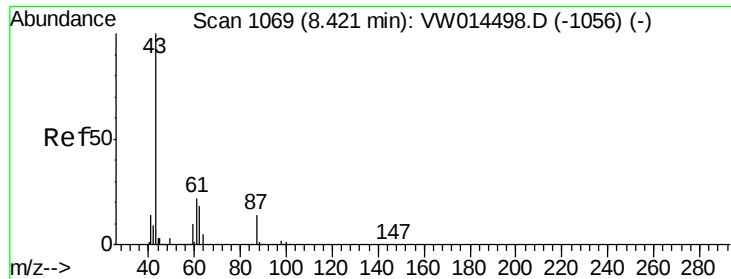
#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion:	62	Resp:	146920
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 17.626 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

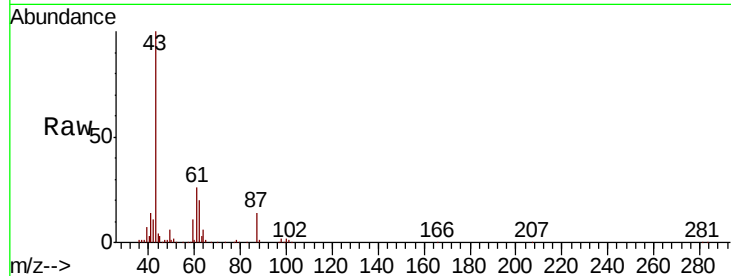
Tot Ion: 43 Resp: 148120

Ion Ratio Lower Upper

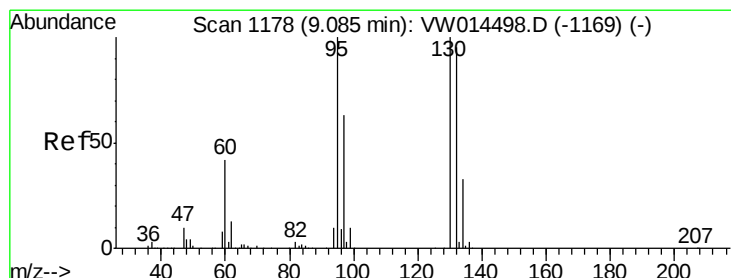
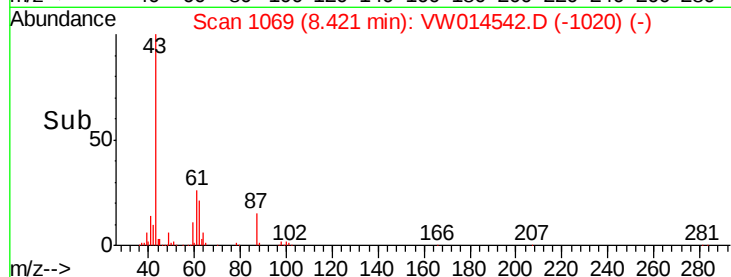
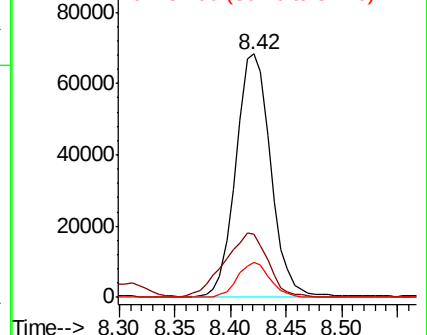
43 100

61 32.9 24.7 37.1

87 13.5 11.1 16.7



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



#44

Trichloroethene

Concen: 18.818 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014542.D

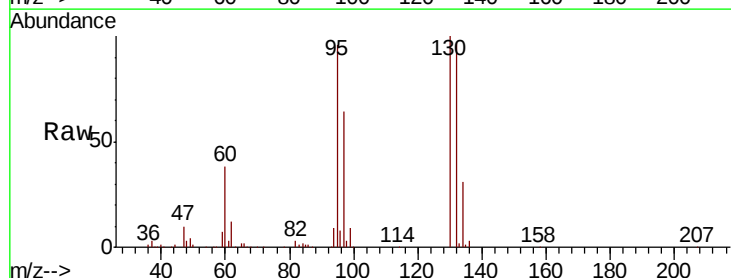
Acq: 07 Jan 2020 12:43

Tgt Ion: 130 Resp: 147014

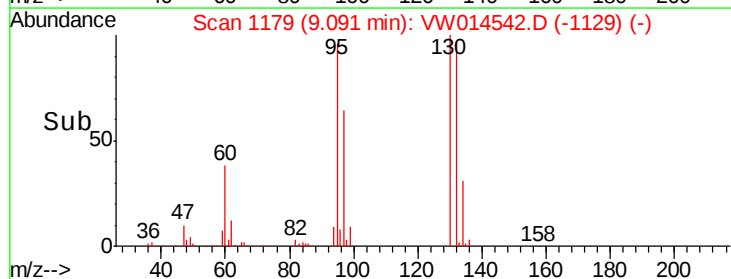
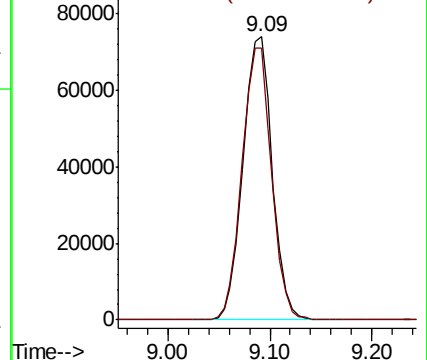
Ion Ratio Lower Upper

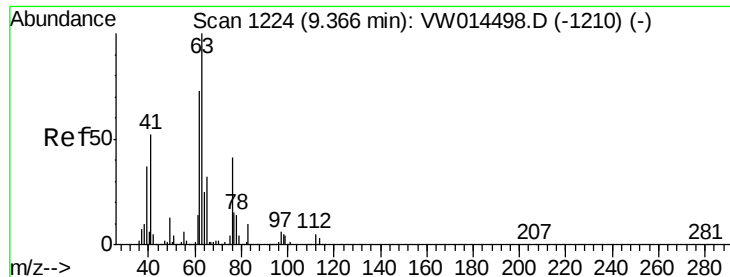
130 100

95 95.9 0.0 199.4



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

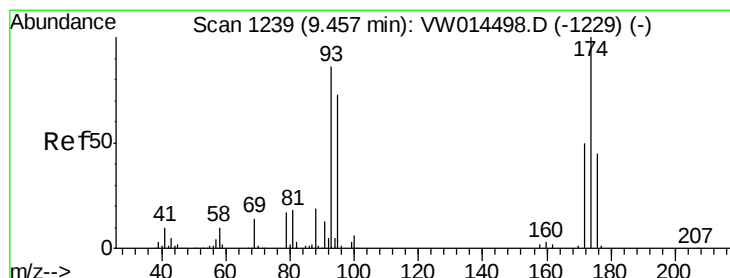
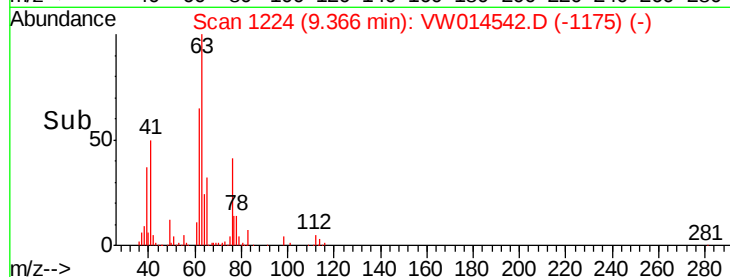
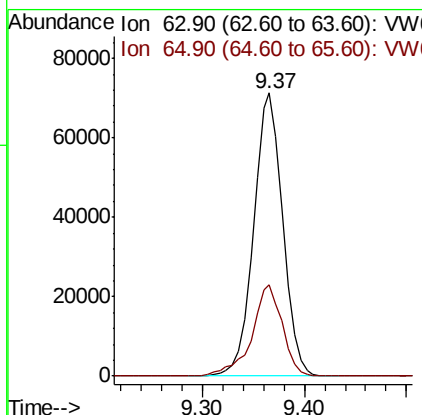
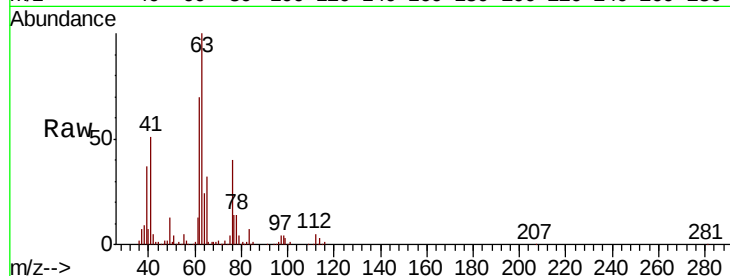




#45
 1,2-Dichloropropane
 Concen: 19.982 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

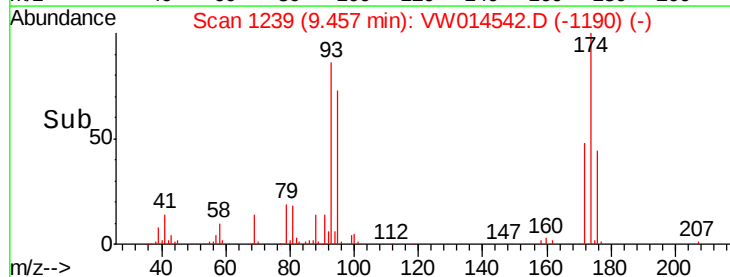
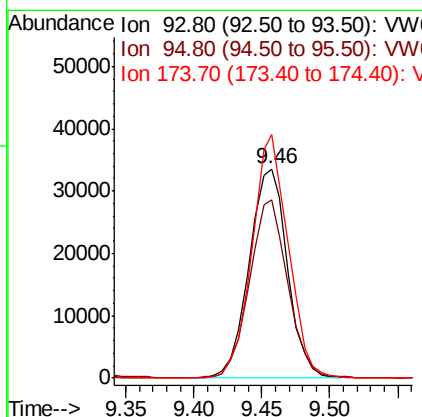
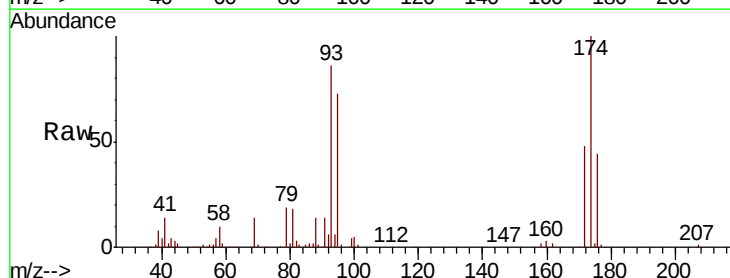
Instrument :
 MSVOA_W
 ClientSampleId :

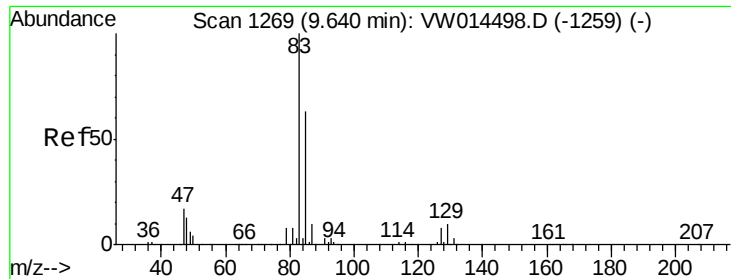
Tot Ion: 63 Resp: 141562
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.6 38.4



#46
 Dibromomethane
 Concen: 18.890 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion: 93 Resp: 66066
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.4 99.6
 174 110.6 89.1 133.7





#47

Bromodichloromethane

Concen: 19.488 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

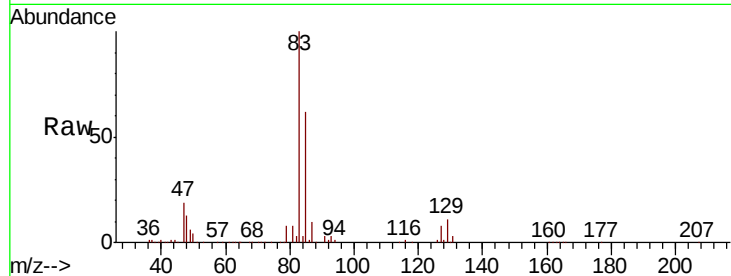
Tot Ion: 83 Resp: 168276

Ion Ratio Lower Upper

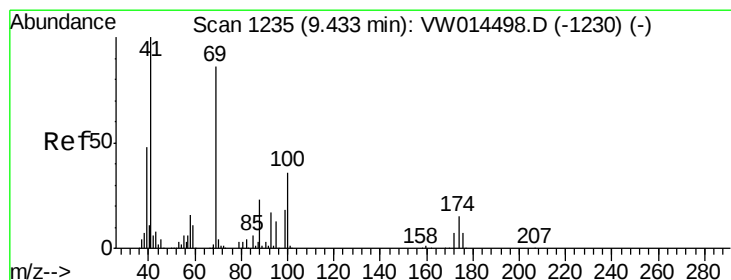
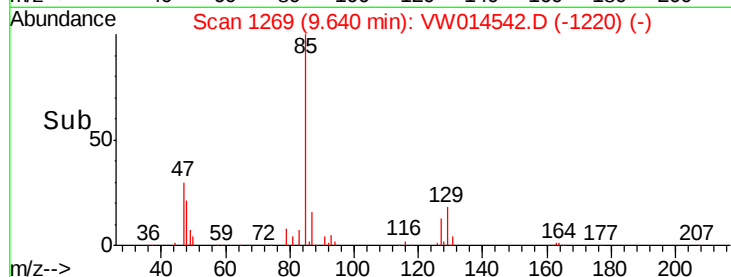
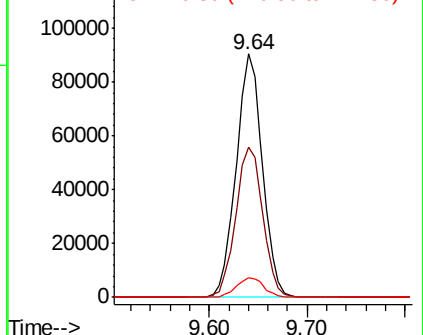
83 100

85 61.6 50.6 76.0

127 8.1 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): V



#48

Methyl methacrylate

Concen: 16.002 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

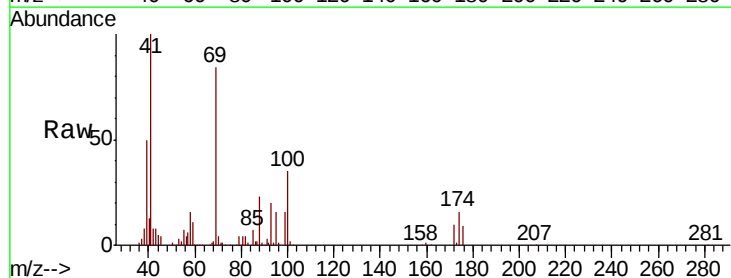
Tgt Ion: 41 Resp: 65656

Ion Ratio Lower Upper

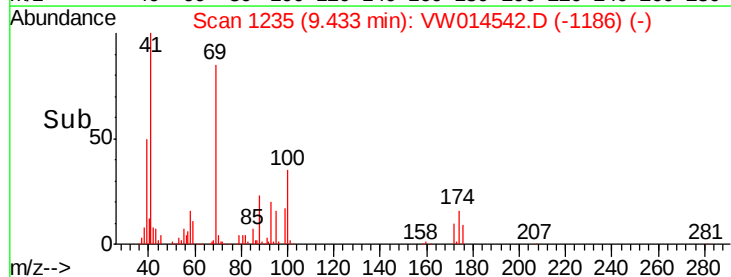
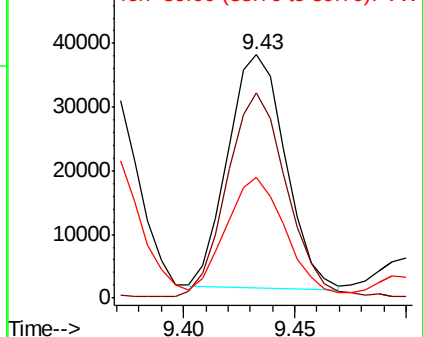
41 100

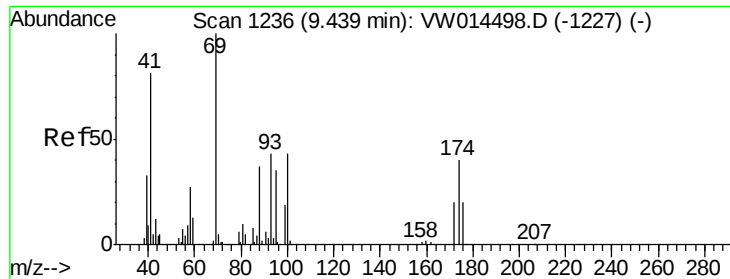
69 92.7 68.3 102.5

39 49.5 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

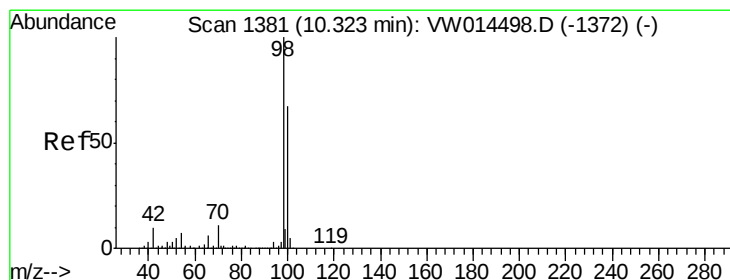
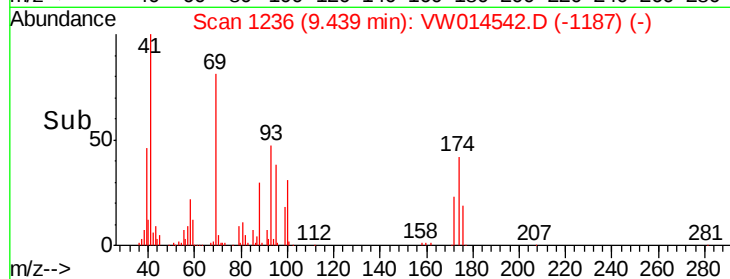
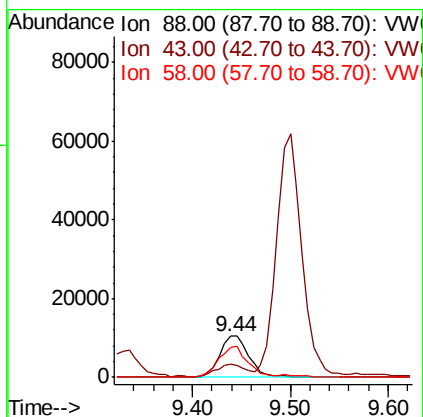
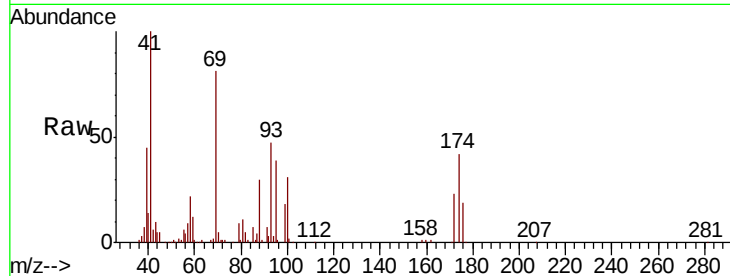




#49
1,4-Dioxane
Concen: 335.689 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

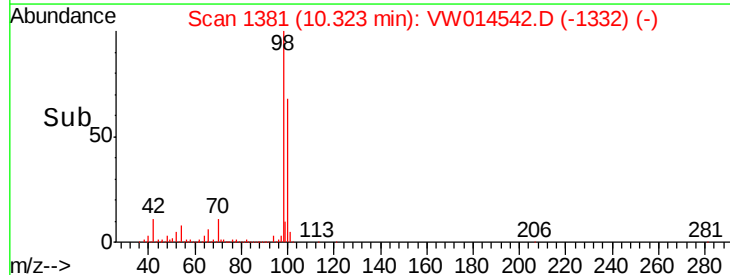
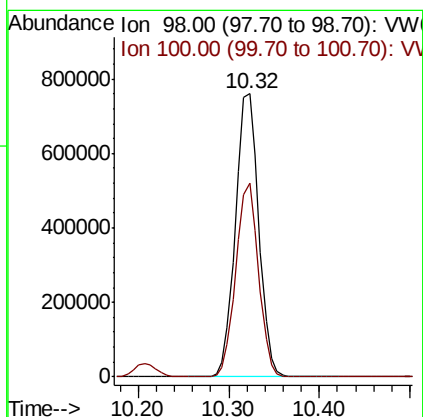
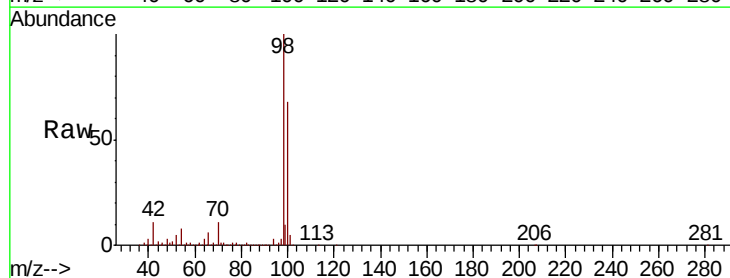
Instrument :
MSVOA_W
ClientSampled :

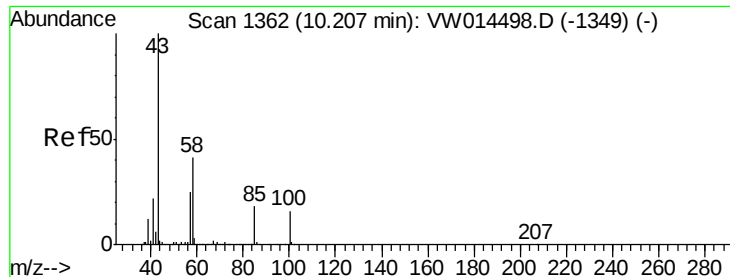
Tot Ion: 88 Resp: 21959
Ion Ratio Lower Upper
88 100
43 29.2 24.9 37.3
58 74.4 56.9 85.3



#50
Toluene-d8
Concen: 53.748 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 98 Resp: 1356875
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 88.774 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

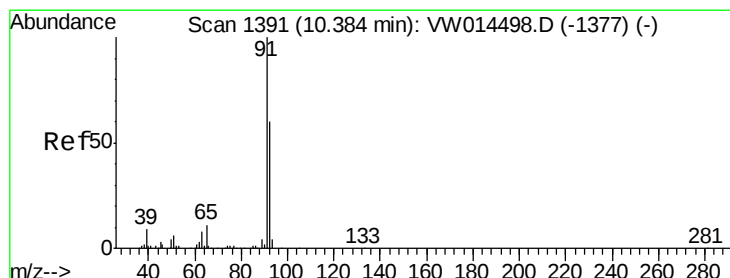
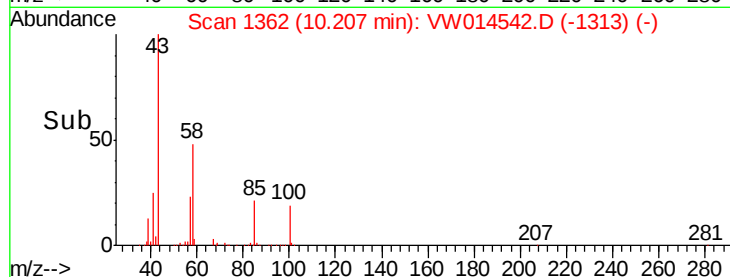
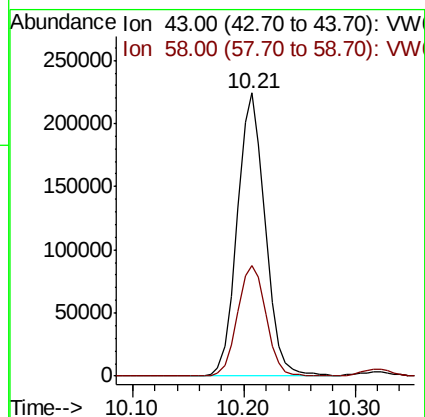
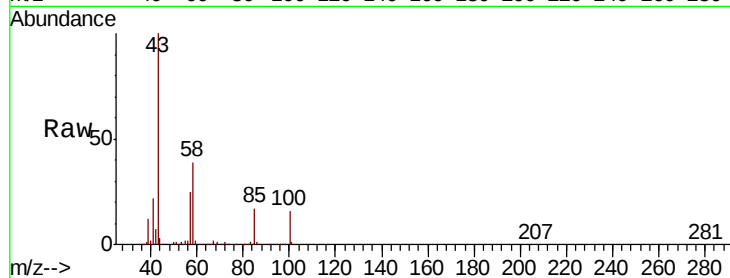
ClientSampled :

Tot Ion: 43 Resp: 387414

Ion Ratio Lower Upper

43 100

58 40.0 32.7 49.1



#52

Toluene

Concen: 19.466 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014542.D

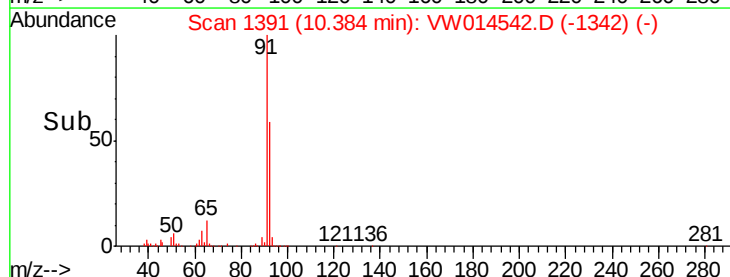
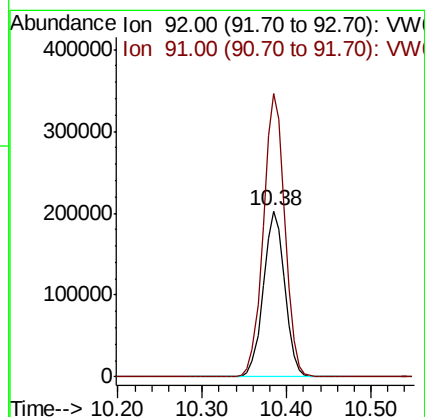
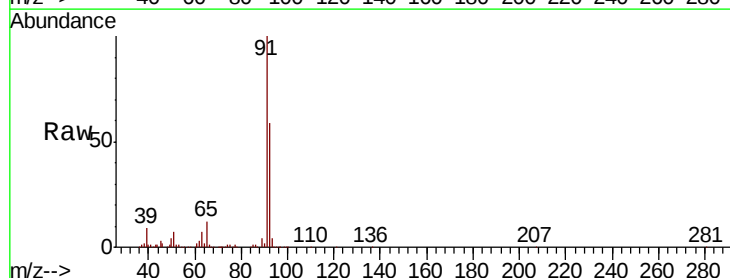
Acq: 07 Jan 2020 12:43

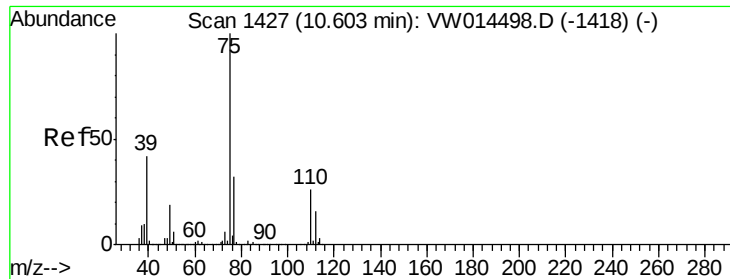
Tgt Ion: 92 Resp: 353564

Ion Ratio Lower Upper

92 100

91 171.4 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 18.689 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

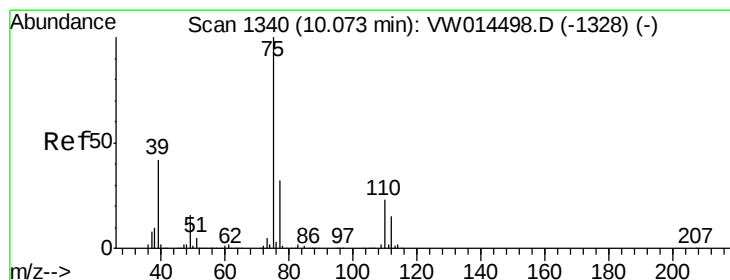
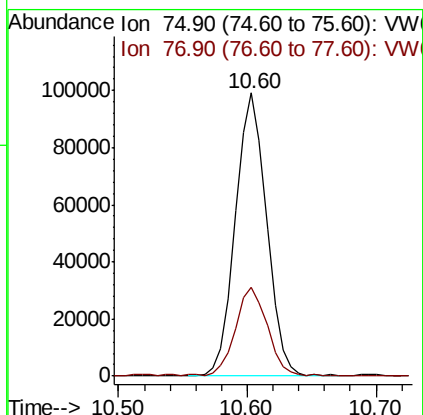
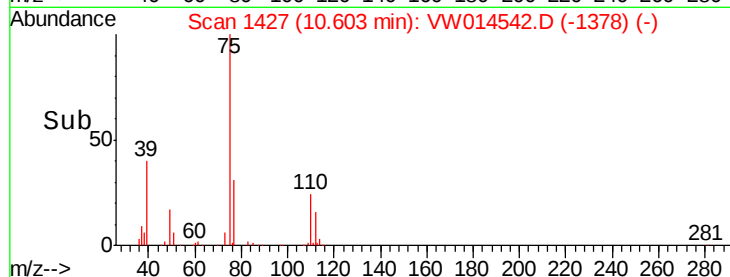
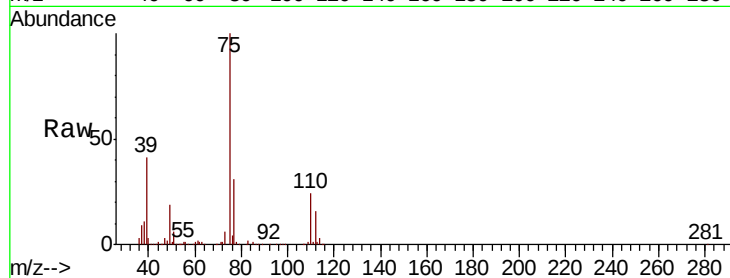
ClientSampled :

Tot Ion: 75 Resp: 167088

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.151 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

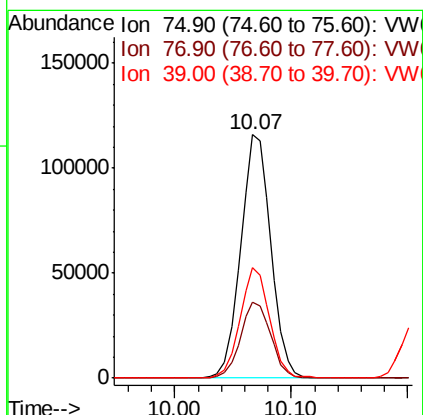
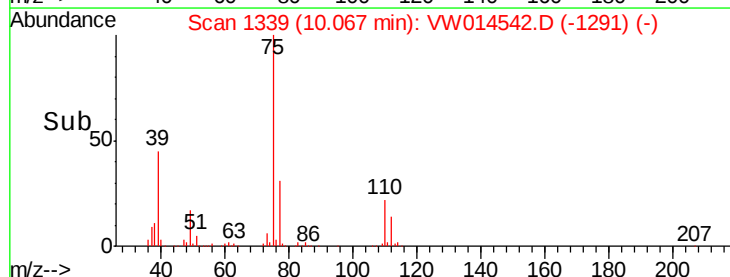
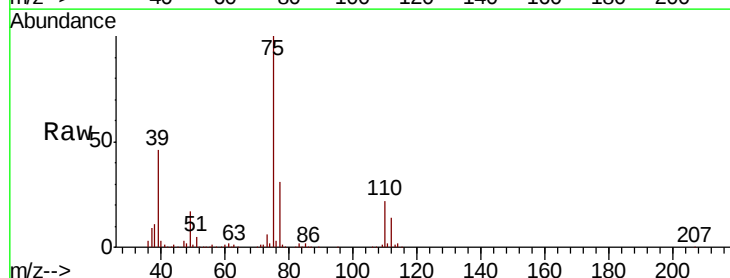
Tgt Ion: 75 Resp: 209256

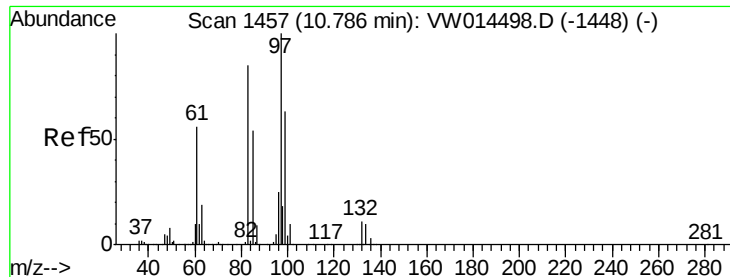
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 45.6 33.4 50.2

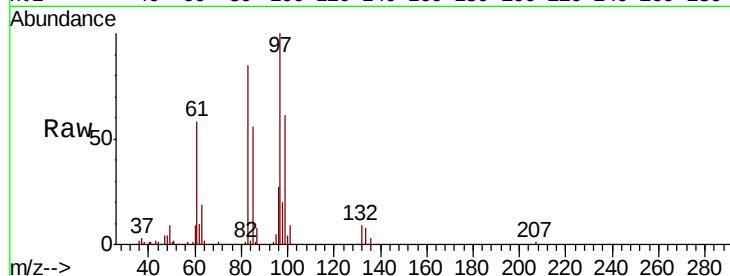




#55
 1,1,2-Trichloroethane
 Concen: 19.031 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	97211
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.2	102.4
85	55.9	43.0	64.4
99	61.1	50.1	75.1



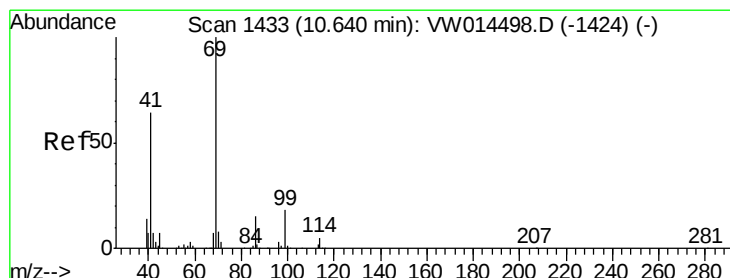
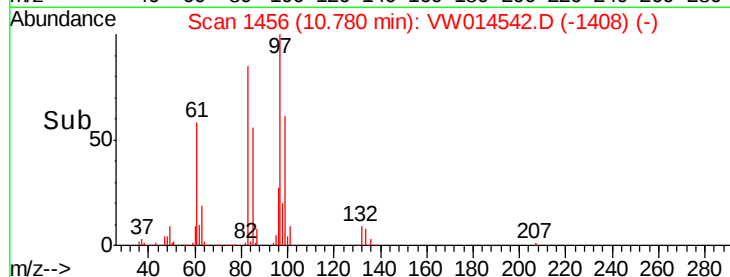
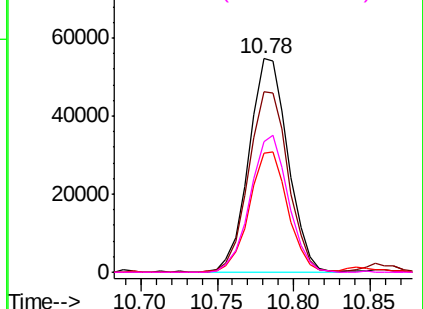
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

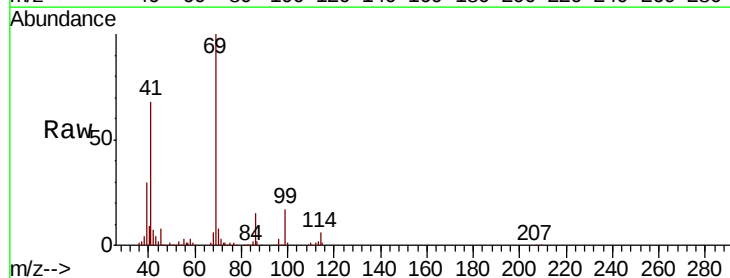
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.726 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion:	69	Resp:	117673
Ion	Ratio	Lower	Upper
69	100		
41	65.5	51.3	76.9
39	27.1	21.0	31.6

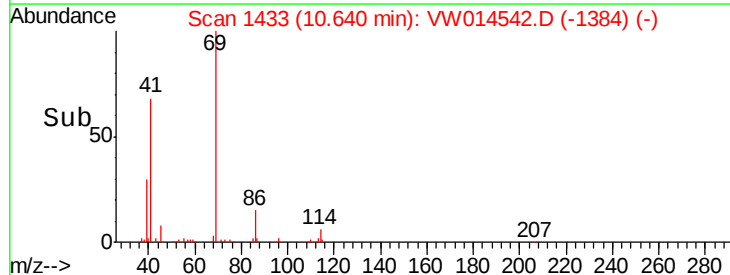
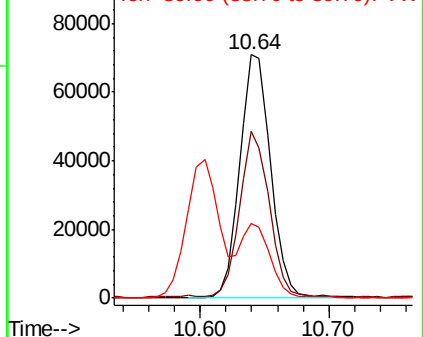


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 18.987 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

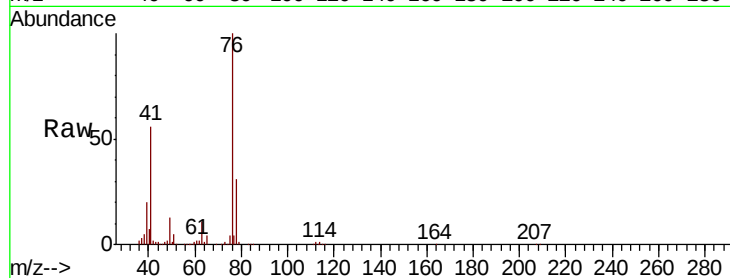
ClientSampled :

Tot Ion: 76 Resp: 170453

Ion Ratio Lower Upper

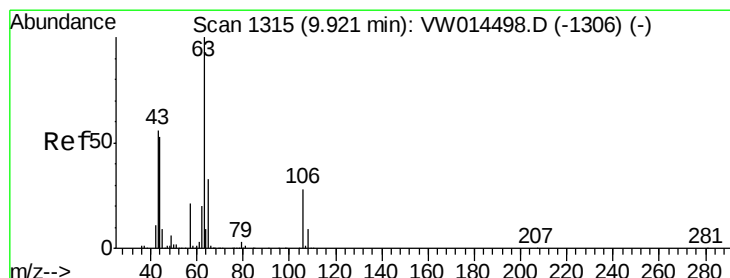
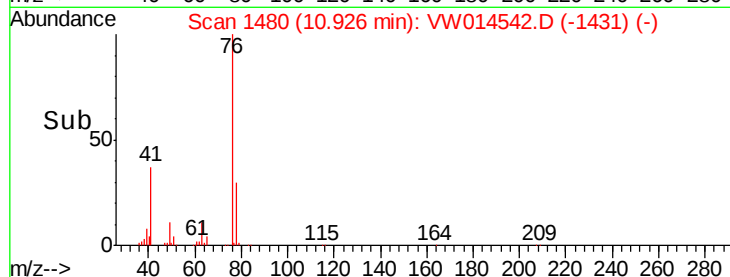
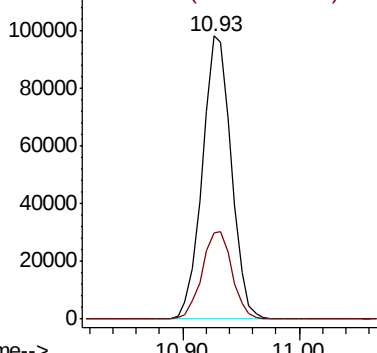
76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 93.447 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014542.D

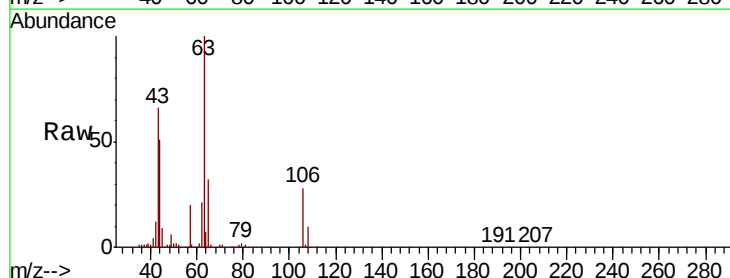
Acq: 07 Jan 2020 12:43

Tgt Ion: 63 Resp: 188663

Ion Ratio Lower Upper

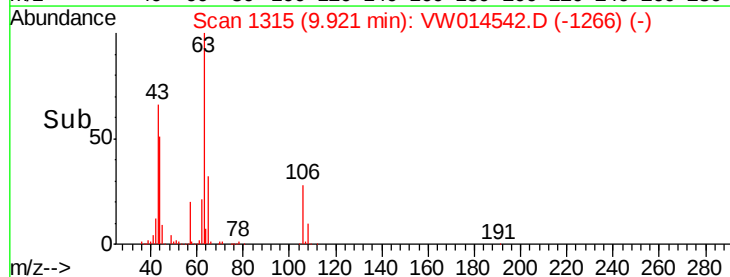
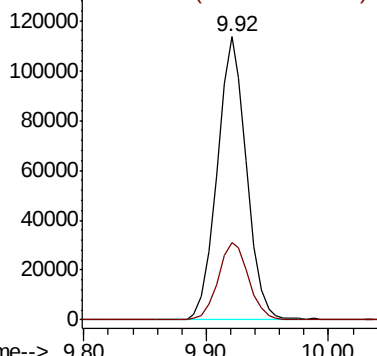
63 100

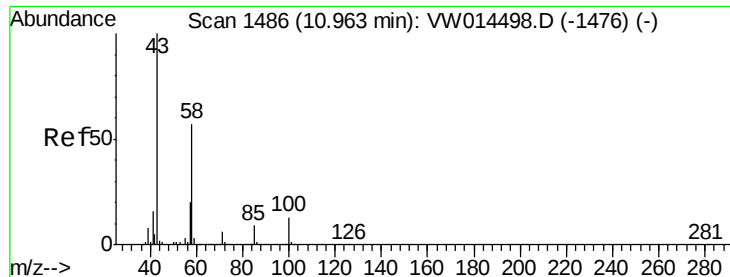
106 28.4 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

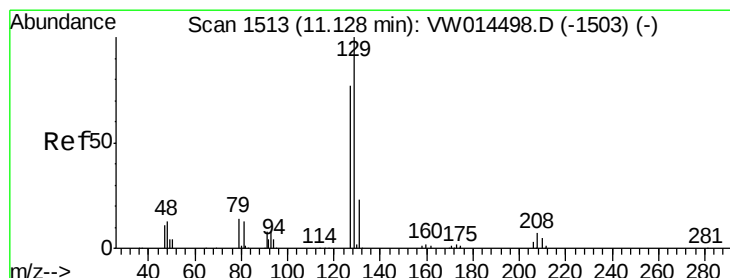
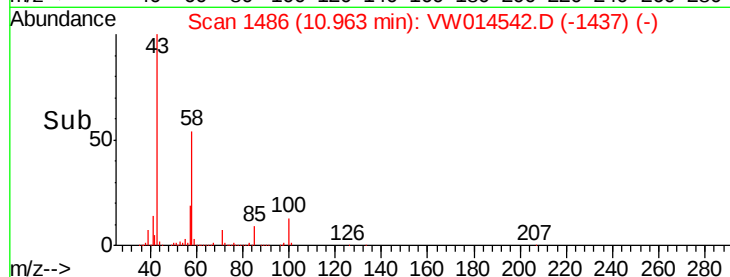
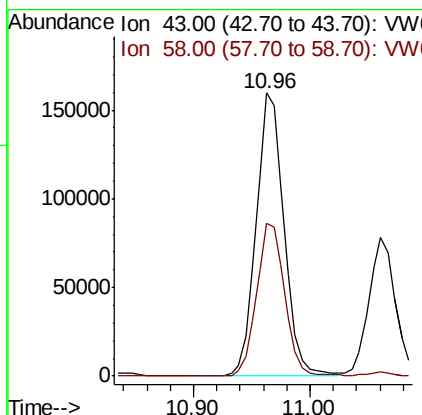
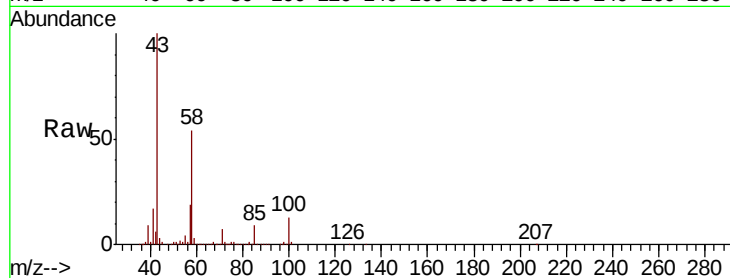




#59
2-Hexanone
Concen: 88.384 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

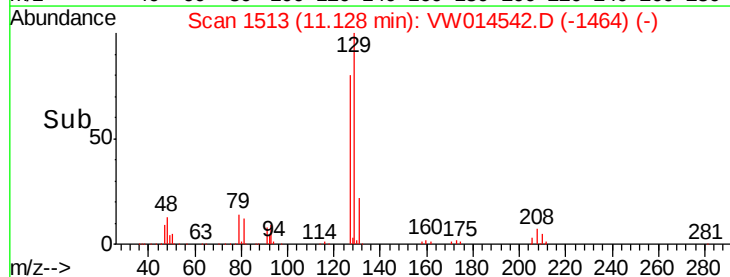
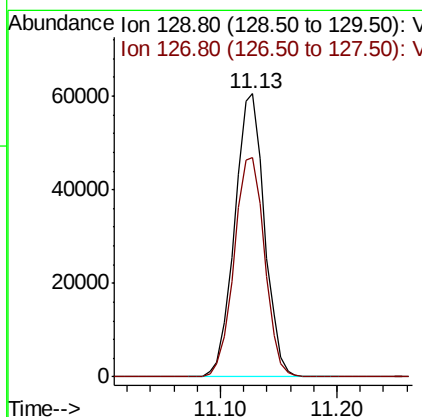
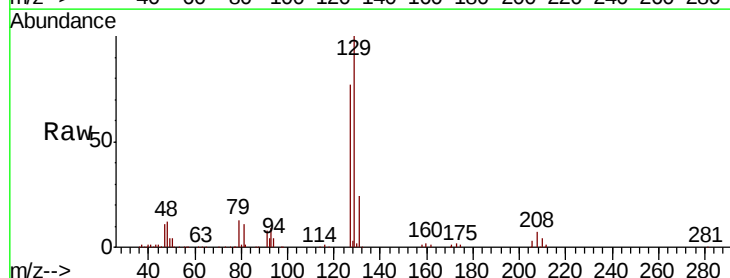
Instrument :
MSVOA_W
ClientSampleId :

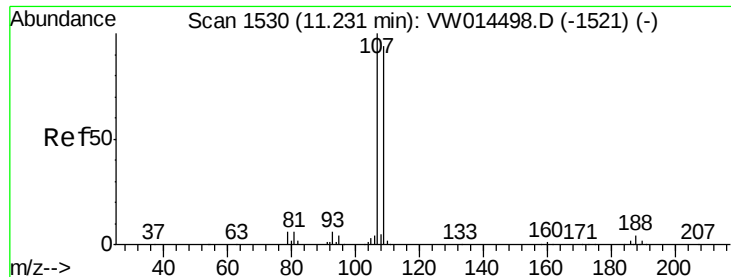
Tot Ion: 43 Resp: 265791
Ion Ratio Lower Upper
43 100
58 54.8 28.7 86.3



#60
Dibromochloromethane
Concen: 18.765 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 129 Resp: 108150
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.612 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

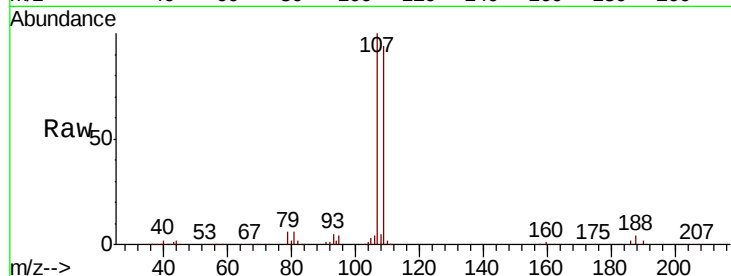
ClientSampleId :

Tot Ion:107 Resp: 90241

Ion Ratio Lower Upper

107 100

109 94.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

30000

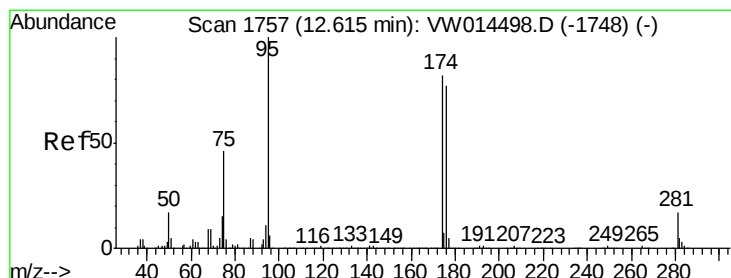
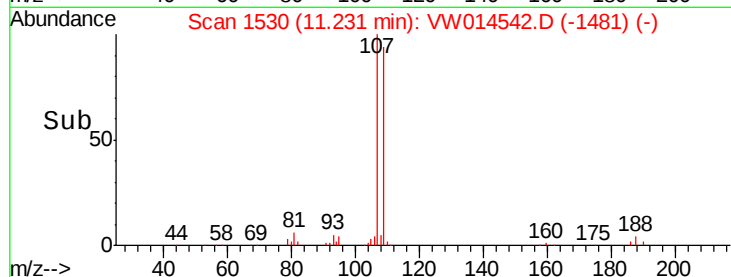
20000

10000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 54.529 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

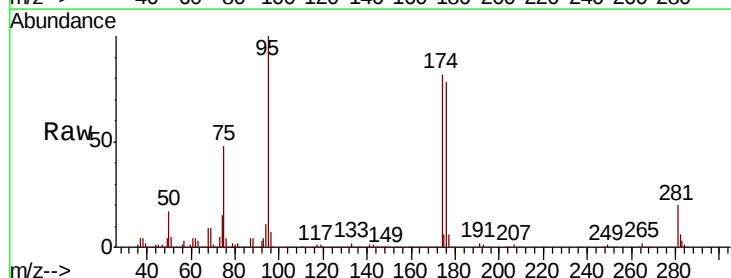
Tgt Ion: 95 Resp: 466927

Ion Ratio Lower Upper

95 100

174 82.2 0.0 168.6

176 79.4 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

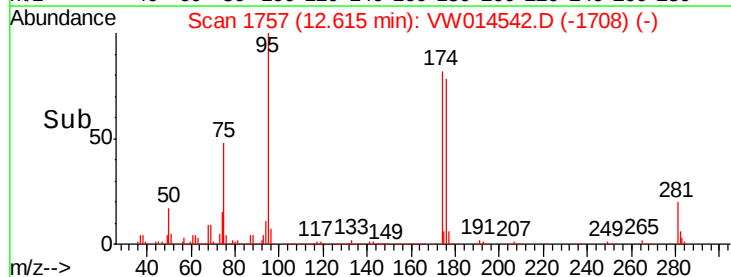
200000

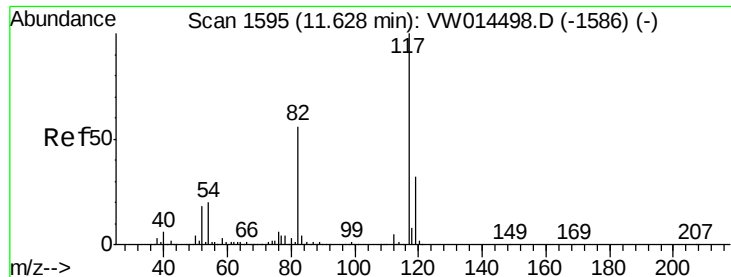
100000

0

12.60 12.70

Time-->

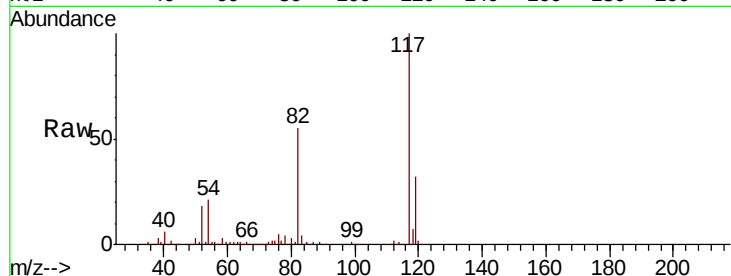




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	32.4	25.7	38.5

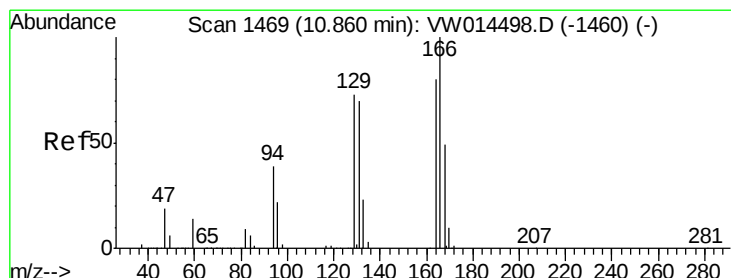
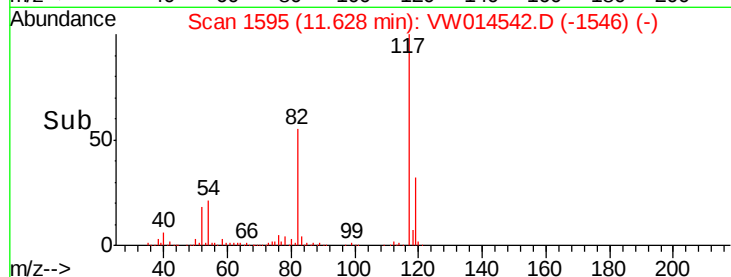
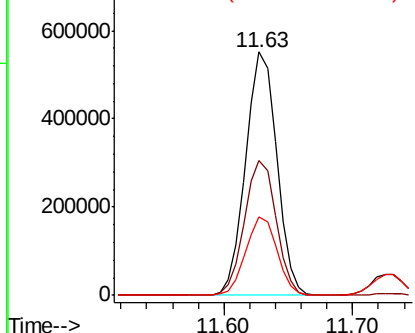


Abundance

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: 19.078 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	99.8	149.6
129	93.3	72.4	108.6
131	85.9	70.1	105.1

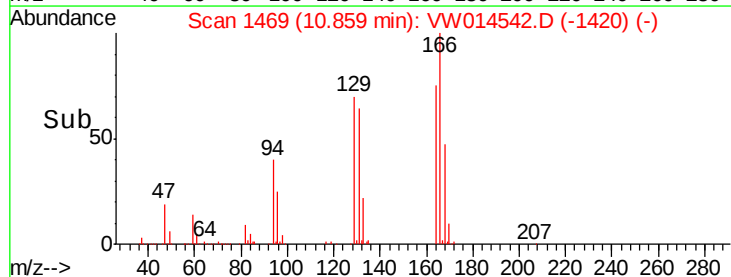
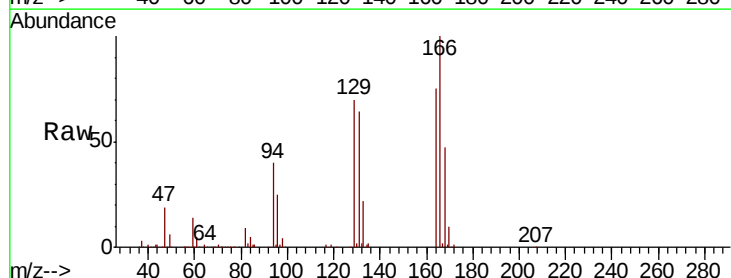
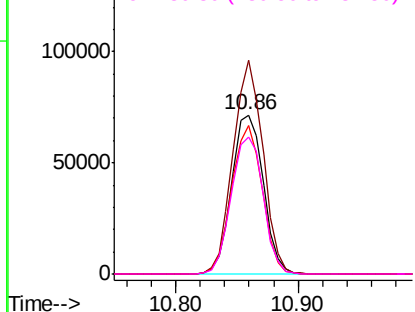
Abundance

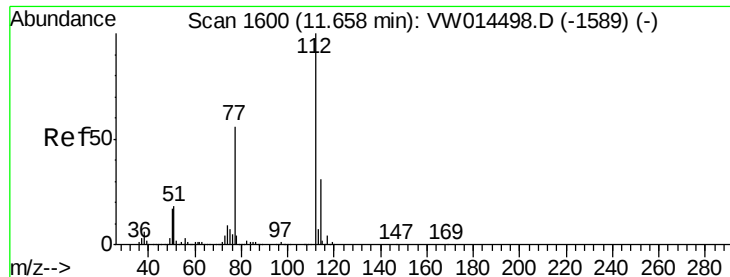
Ion 163.80 (163.50 to 164.50): V

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: 19.237 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

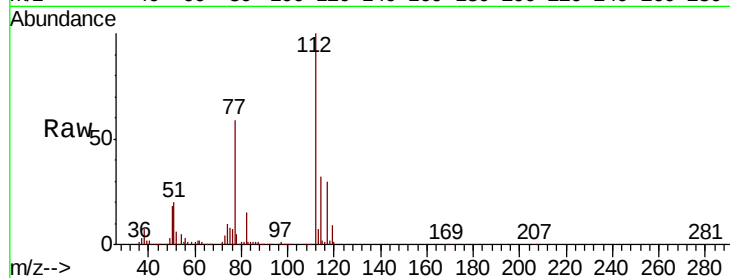
ClientSampled :

Tot Ion:112 Resp: 364347

Ion Ratio Lower Upper

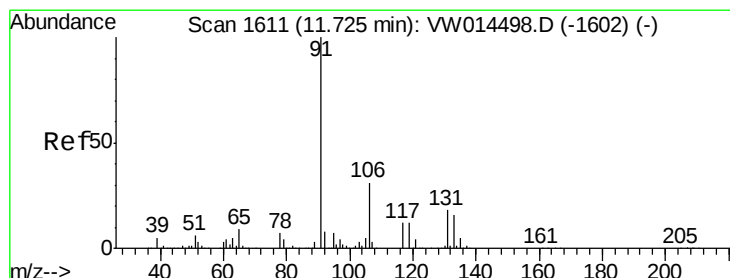
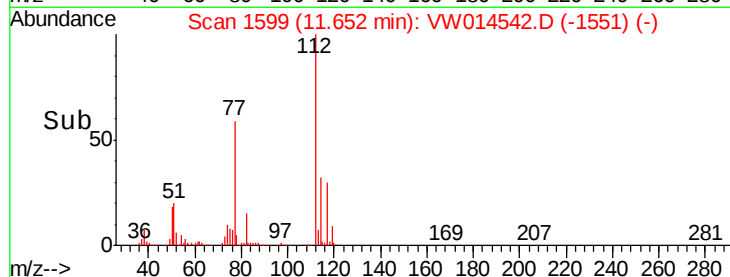
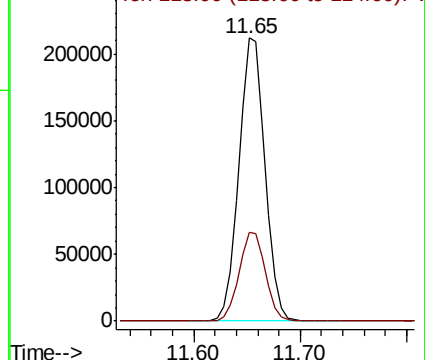
112 100

114 31.6 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

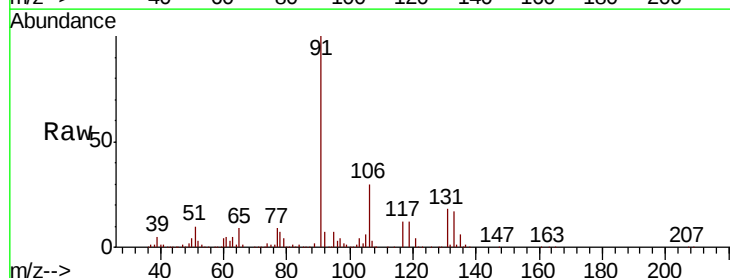
Tgt Ion:131 Resp: 124315

Ion Ratio Lower Upper

131 100

133 93.9 47.3 142.0

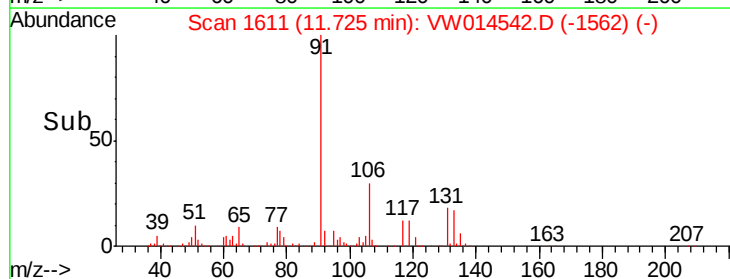
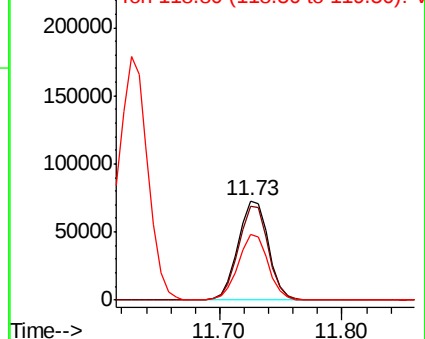
119 65.4 33.1 99.3

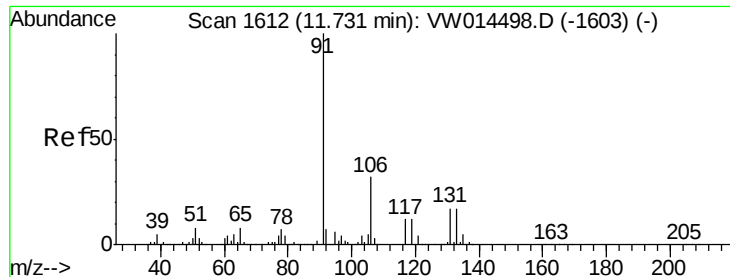


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

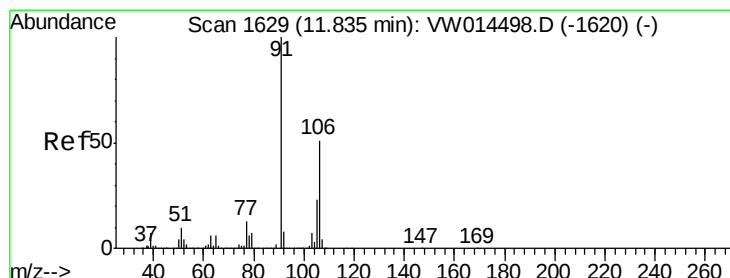
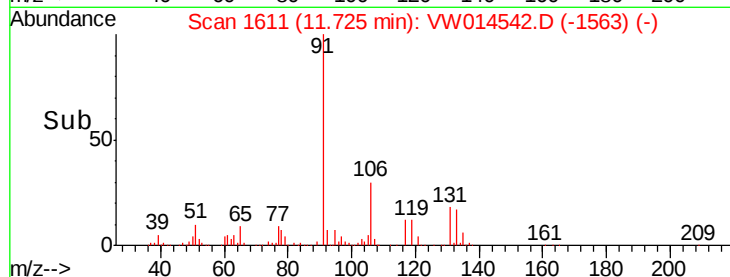
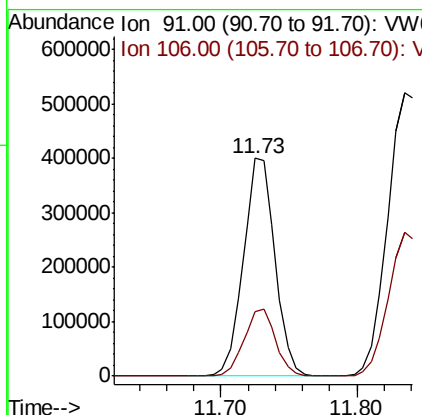
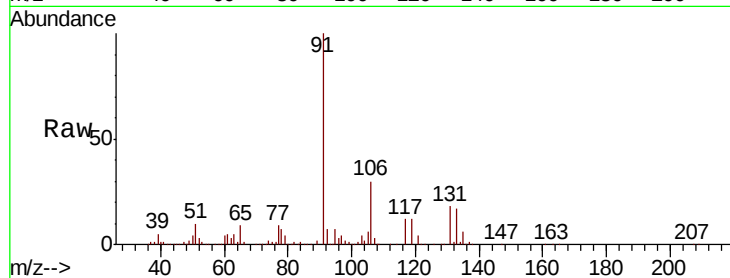




#67
Ethyl Benzene
Concen: 19.002 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

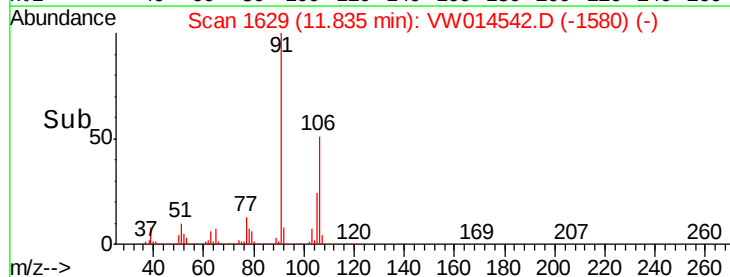
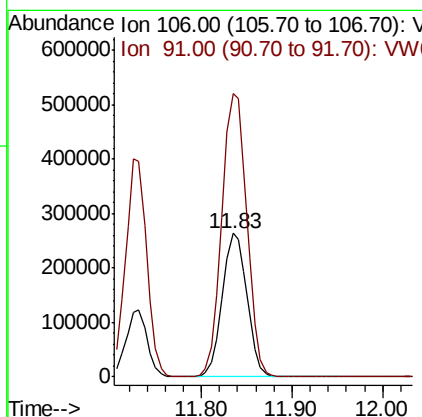
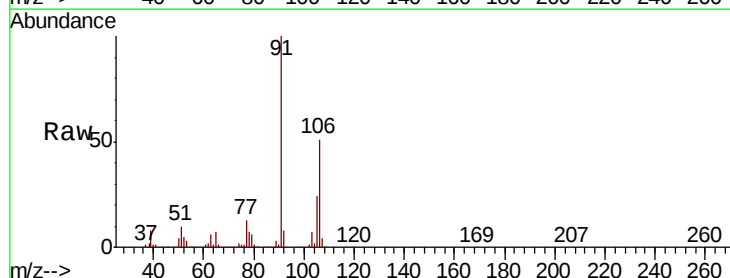
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 648572
Ion Ratio Lower Upper
91 100
106 29.5 25.5 38.3



#68
m/p-Xylenes
Concen: 38.054 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 106 Resp: 497103
Ion Ratio Lower Upper
106 100
91 201.9 159.0 238.6

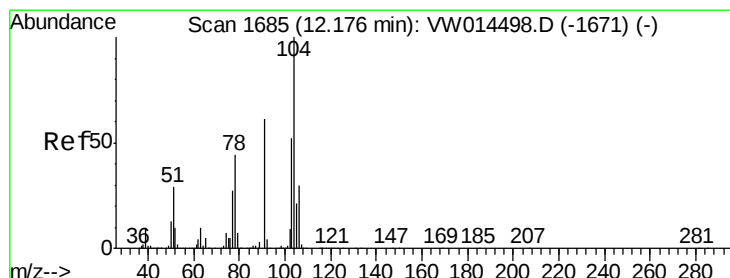
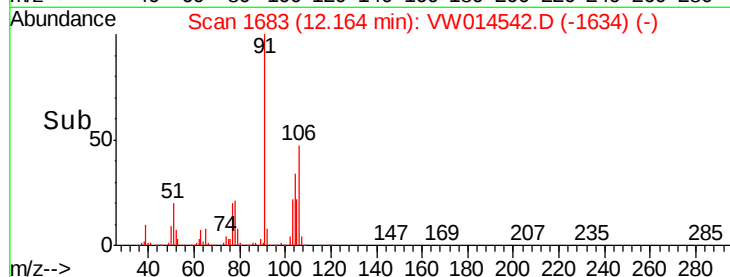
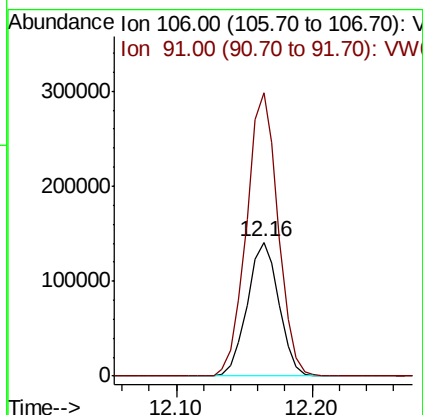
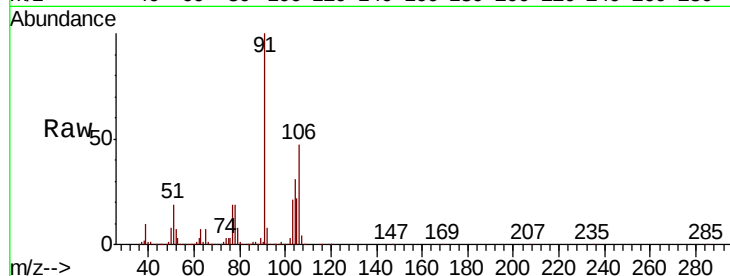




#69
o-Xylene
Concen: 19.038 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

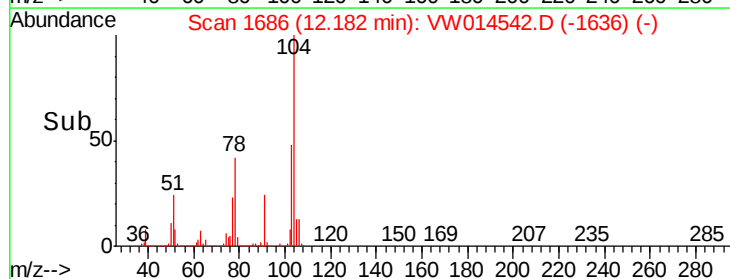
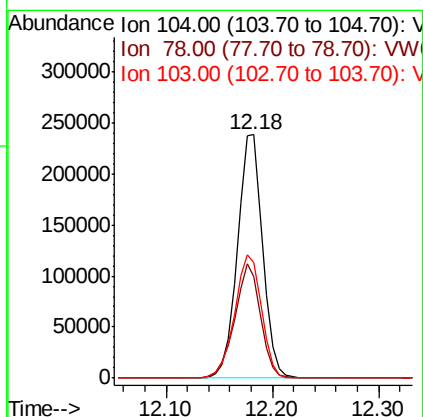
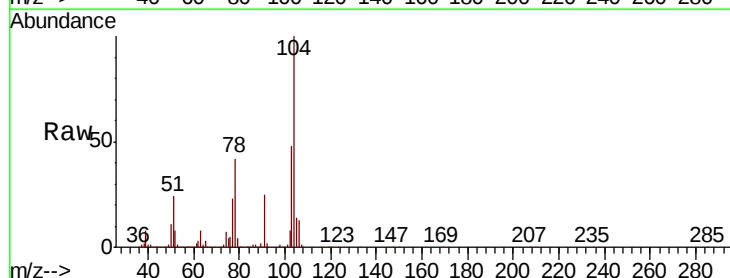
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 229719
Ion Ratio Lower Upper
106 100
91 210.4 105.2 315.6



#70
Styrene
Concen: 19.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion:104 Resp: 396545
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.0 43.7 65.5





#71

Bromoform

Concen: 17.303 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

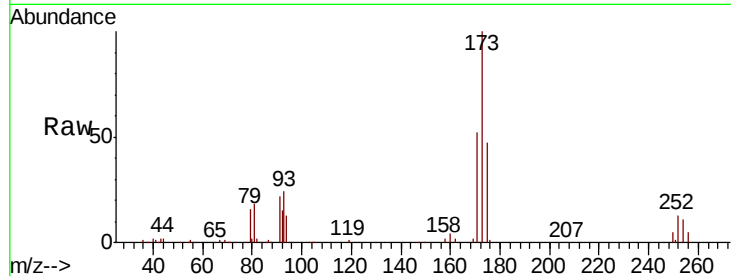
Tot Ion:173 Resp: 60185

Ion Ratio Lower Upper

173 100

175 50.8 24.5 73.5

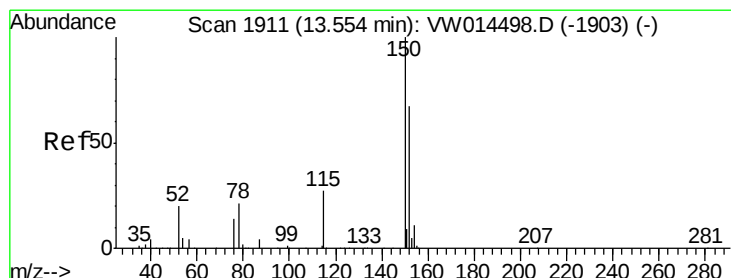
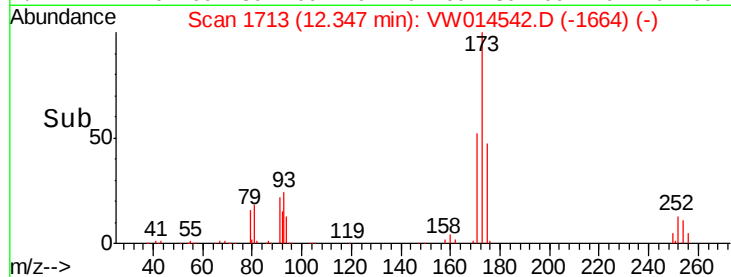
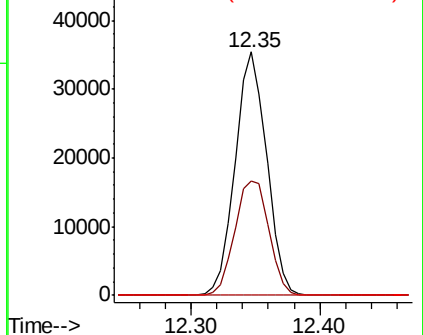
254 0.0 0.0 0.0



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: VW014542.D

Acq: 07 Jan 2020 12:43

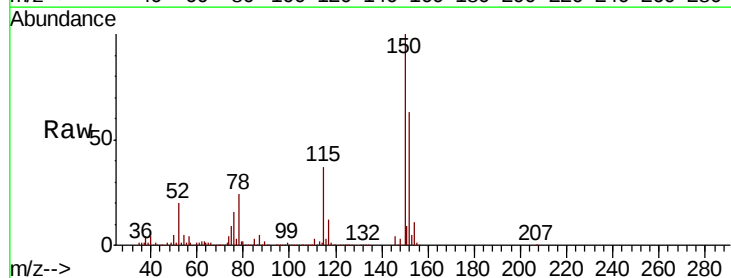
Tgt Ion:152 Resp: 461897

Ion Ratio Lower Upper

152 100

115 56.8 27.7 83.1

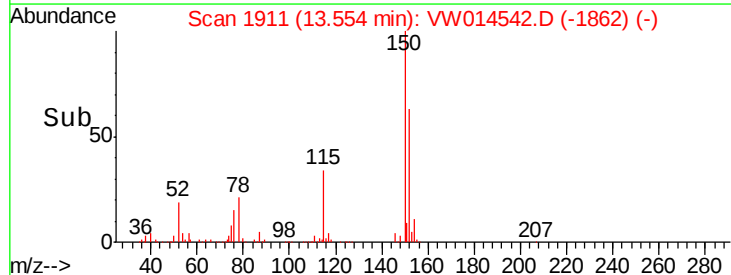
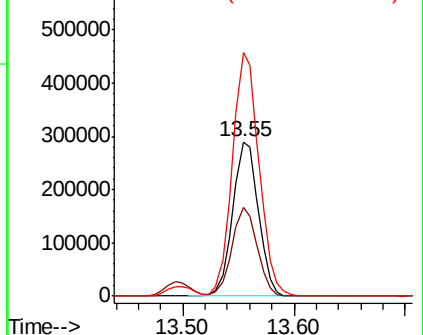
150 163.6 0.0 343.4

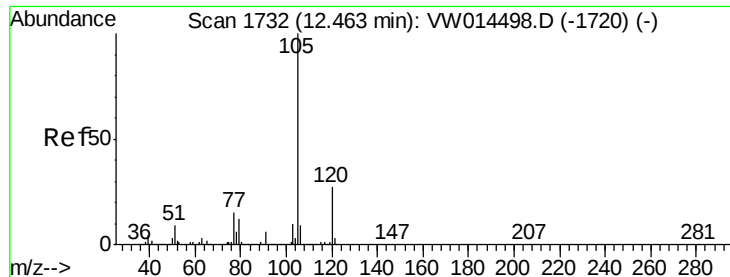


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.367 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

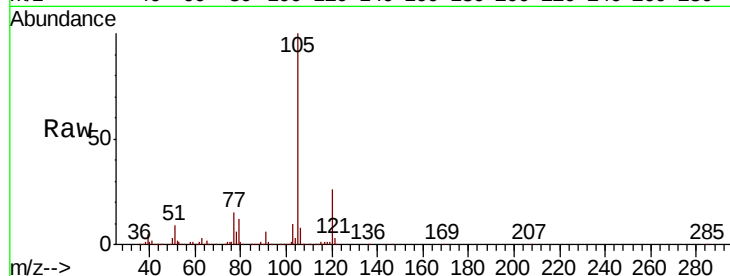
ClientSampleId :

Tot Ion:105 Resp: 622508

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

400000

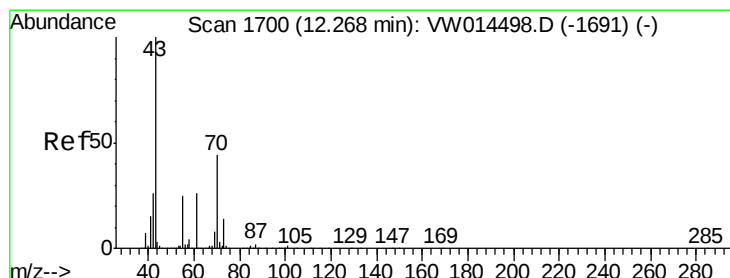
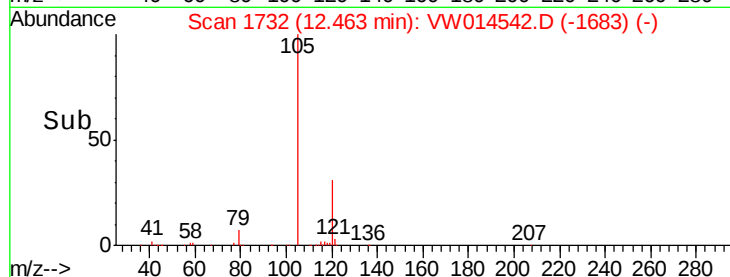
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.673 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion: 43 Resp: 134302

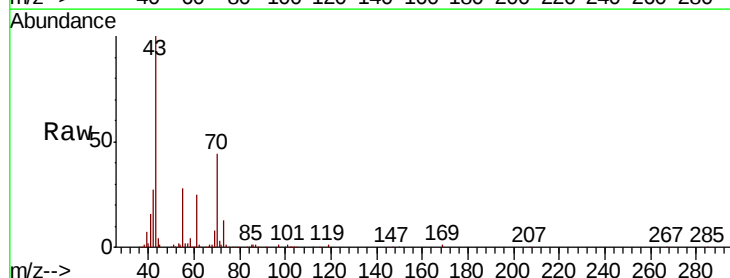
Ion Ratio Lower Upper

43 100

70 43.5 36.5 54.7

55 27.4 20.9 31.3

61 24.6 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

120000

100000

80000

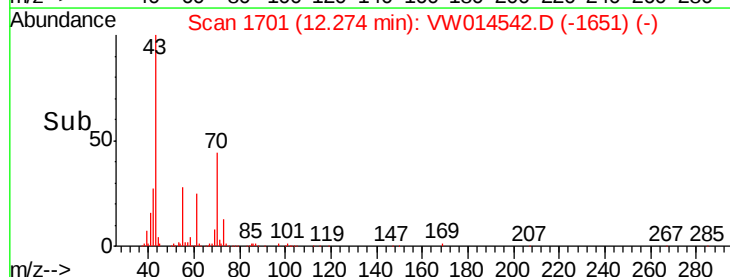
60000

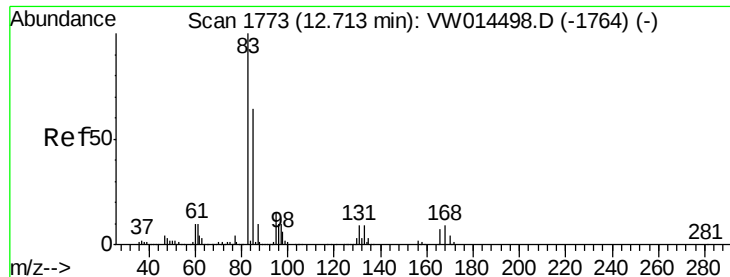
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.119 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

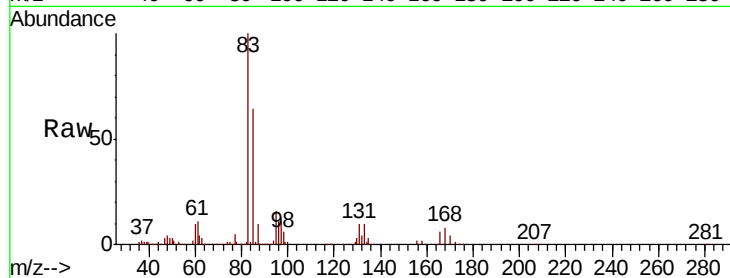
Tot Ion: 83 Resp: 110842

Ion Ratio Lower Upper

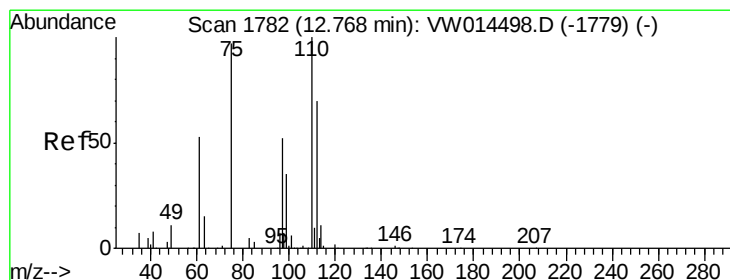
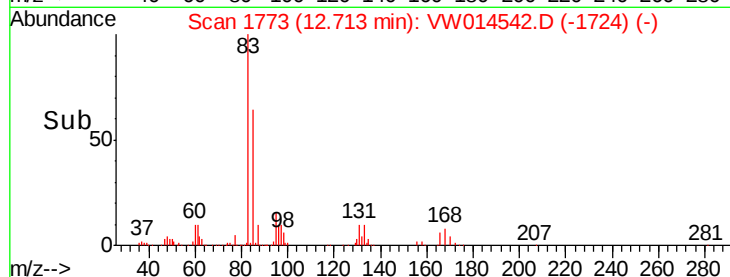
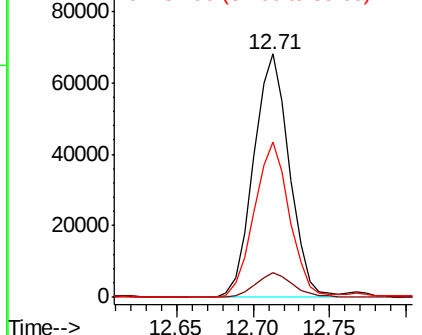
83 100

131 10.6 5.1 15.4

85 63.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 31.393 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014542.D

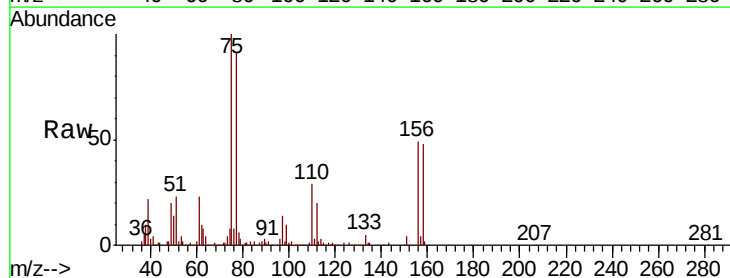
Acq: 07 Jan 2020 12:43

Tgt Ion: 75 Resp: 137100

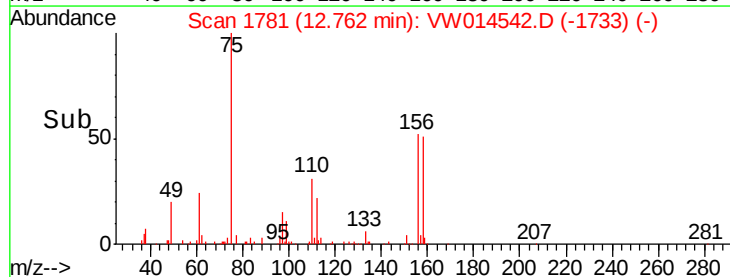
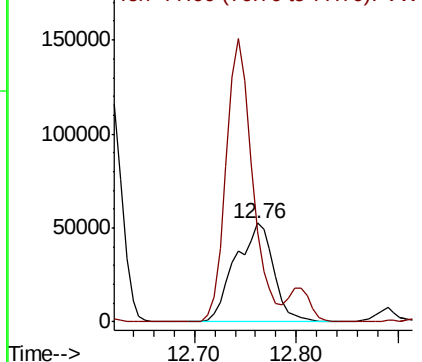
Ion Ratio Lower Upper

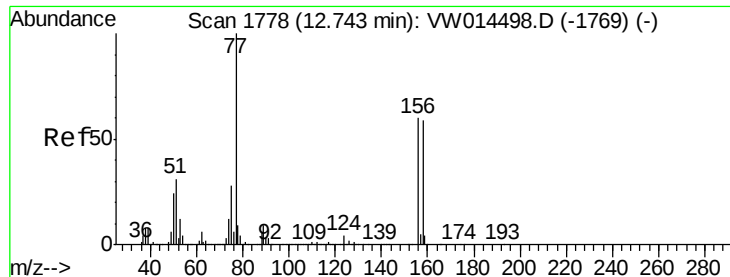
75 100

77 198.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.526 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

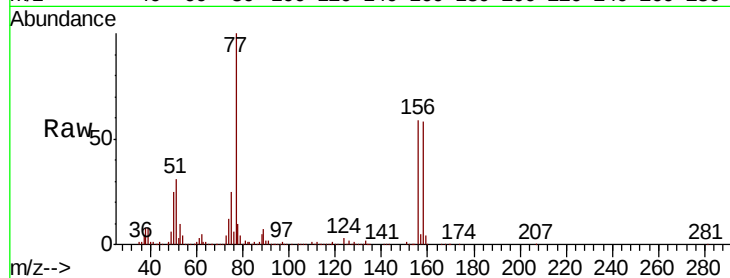
Tot Ion:156 Resp: 145830

Ion Ratio Lower Upper

156 100

77 186.4 92.3 277.1

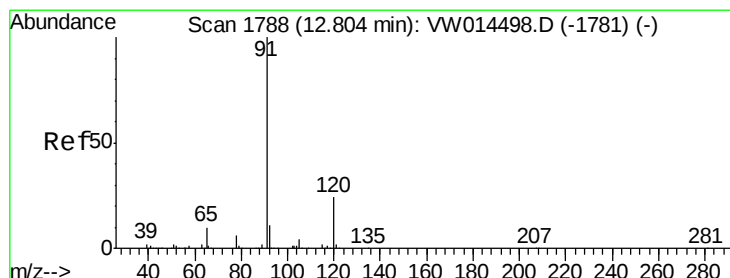
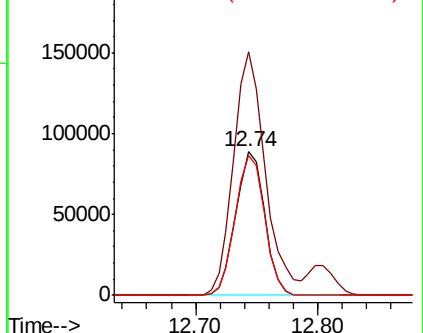
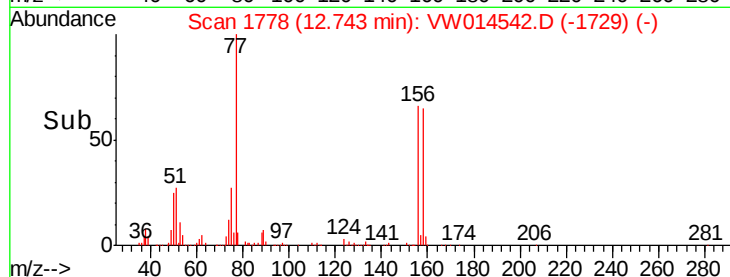
158 98.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.706 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014542.D

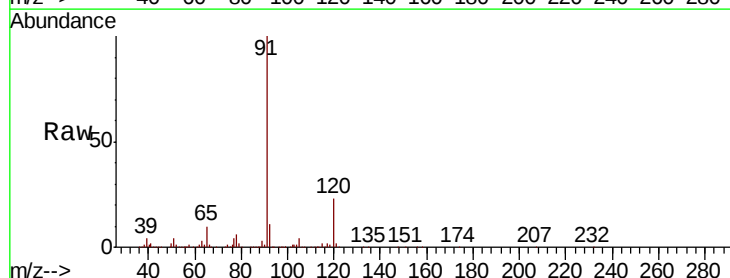
Acq: 07 Jan 2020 12:43

Tgt Ion: 91 Resp: 745504

Ion Ratio Lower Upper

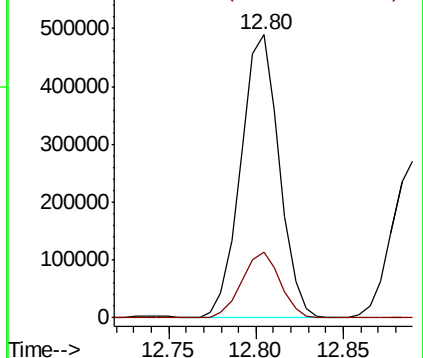
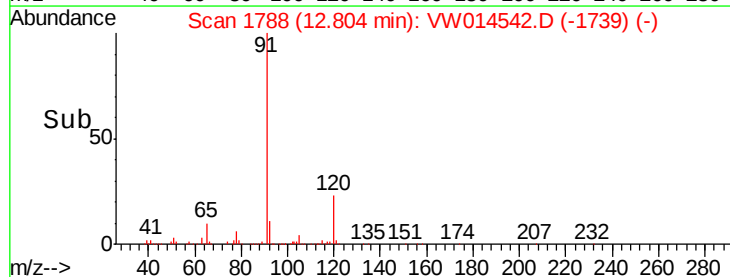
91 100

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: 19.116 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

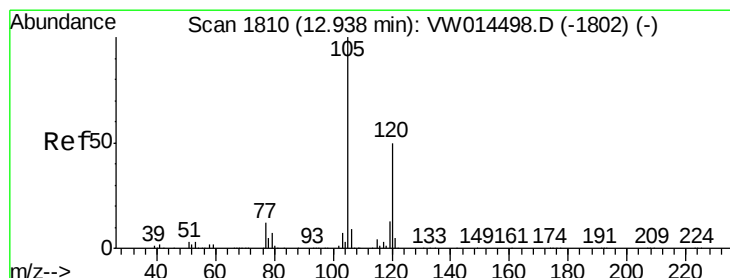
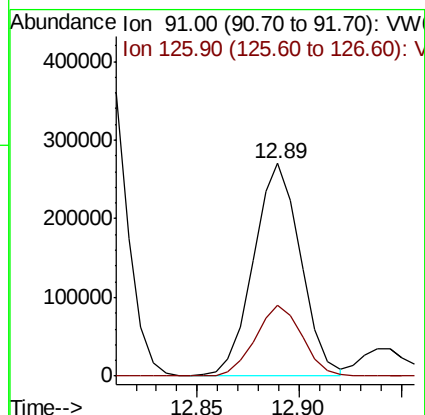
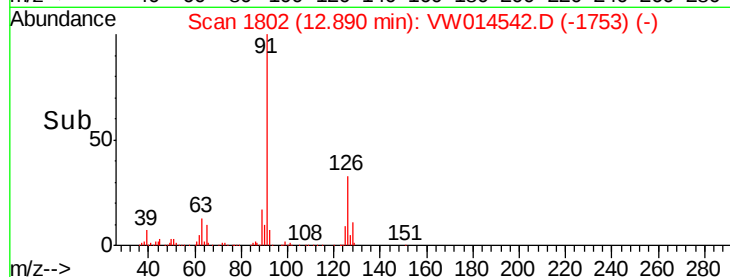
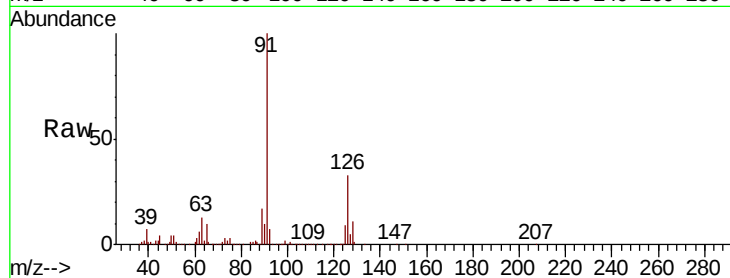
ClientSampled :

Tot Ion: 91 Resp: 433533

Ion Ratio Lower Upper

91 100

126 33.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 18.996 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014542.D

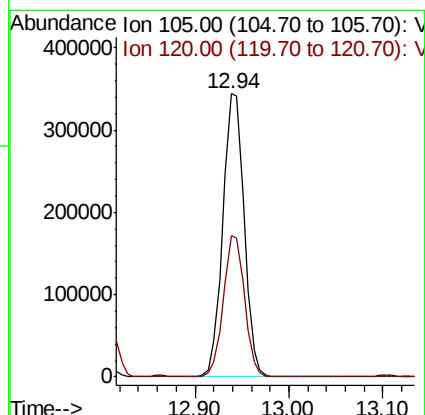
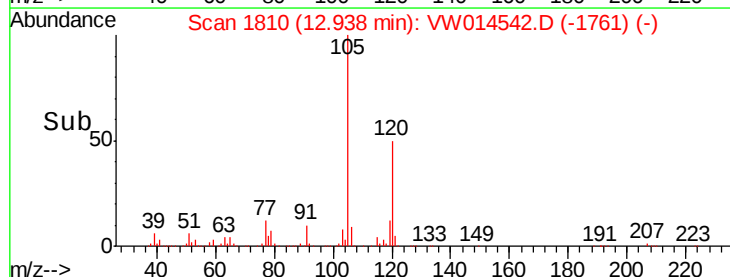
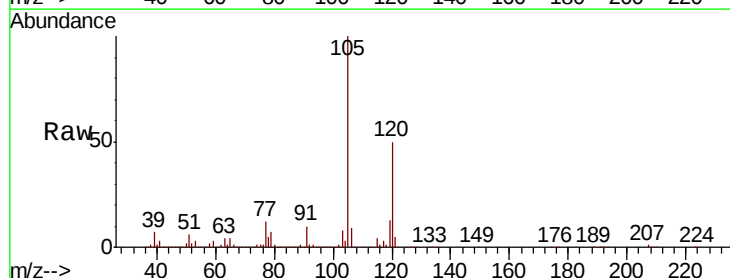
Acq: 07 Jan 2020 12:43

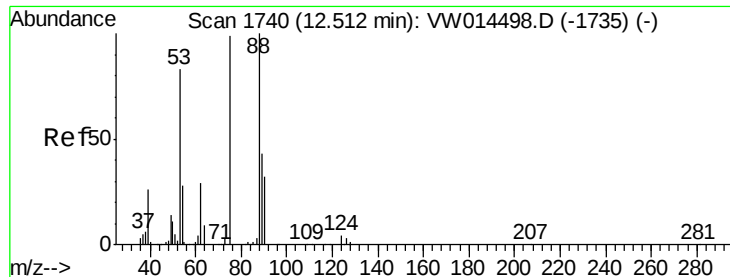
Tgt Ion:105 Resp: 540557

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.348 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

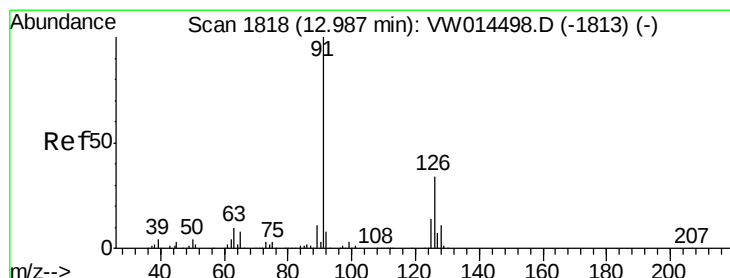
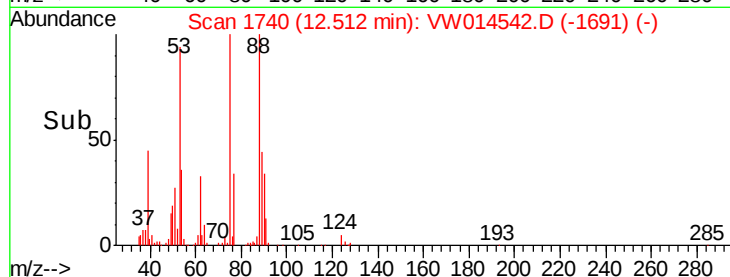
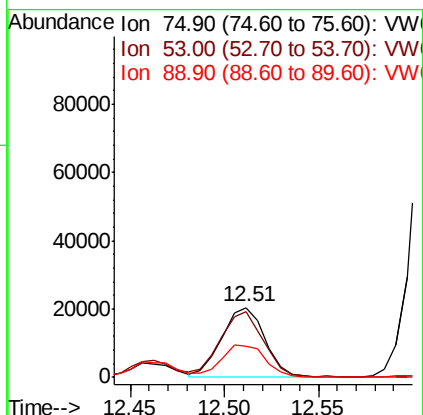
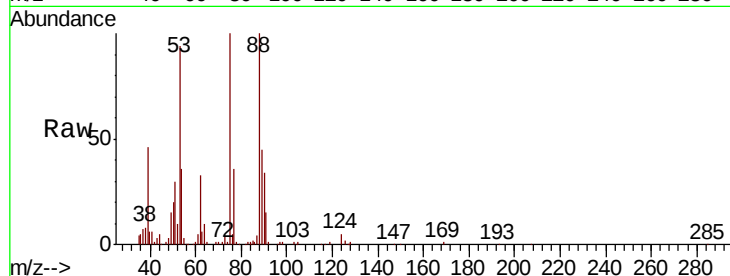
Tot Ion: 75 Resp: 32043

Ion Ratio Lower Upper

75 100

53 96.9 70.9 106.3

89 47.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.175 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014542.D

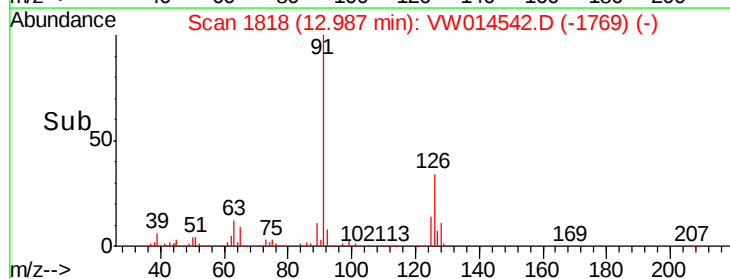
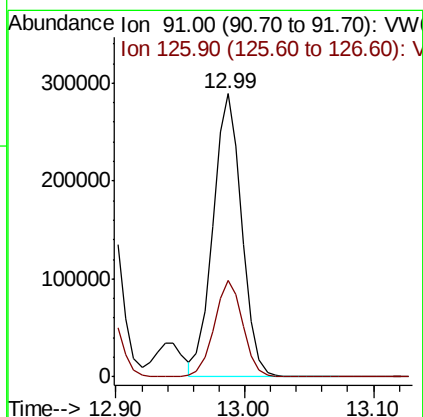
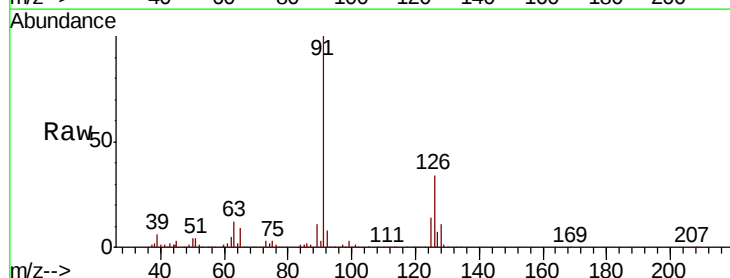
Acq: 07 Jan 2020 12:43

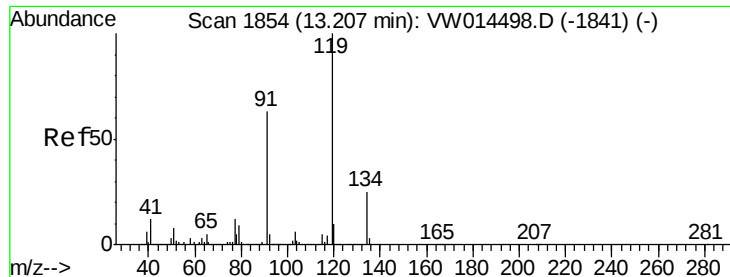
Tgt Ion: 91 Resp: 451820

Ion Ratio Lower Upper

91 100

126 34.0 17.1 51.2

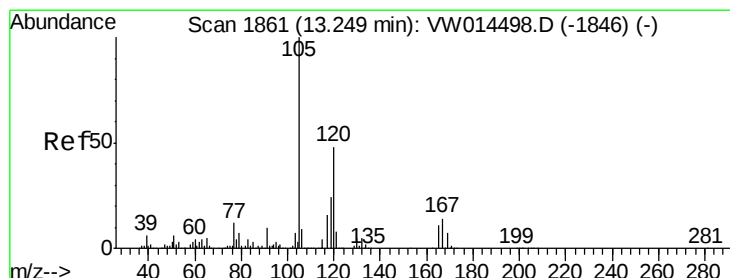
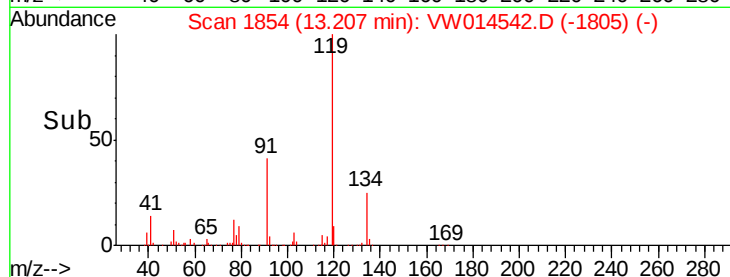
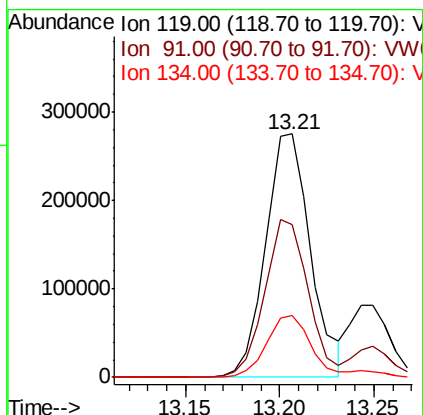
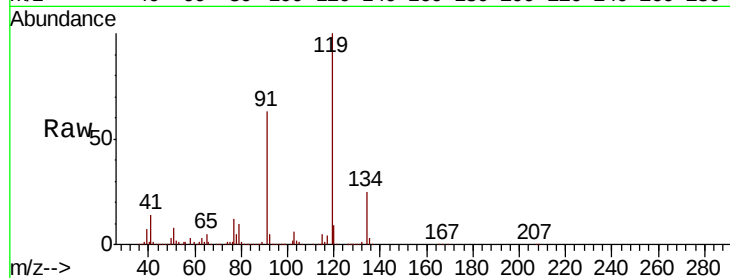




#83
 tert-Butylbenzene
 Concen: 18.317 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

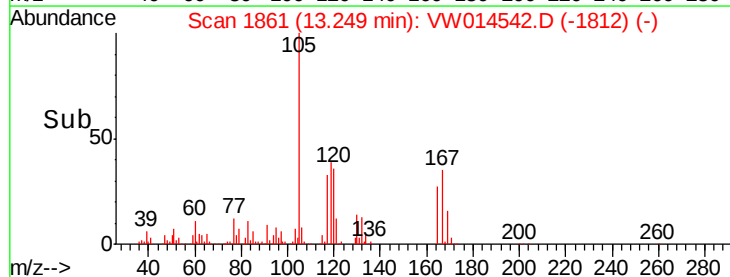
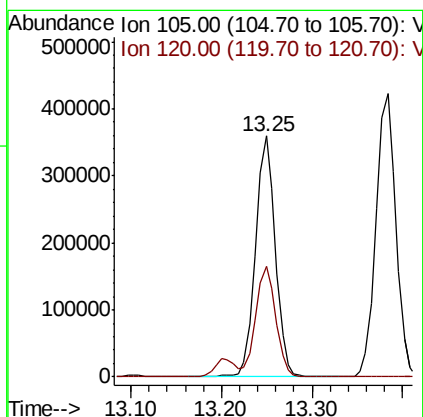
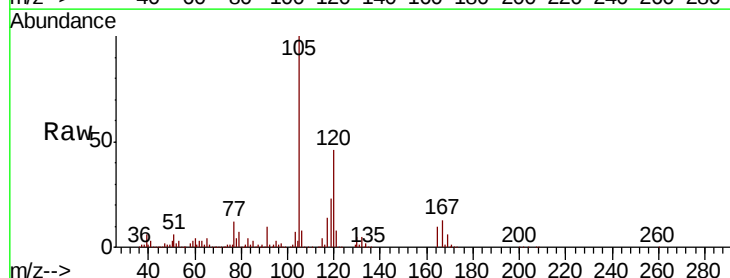
Instrument :
 MSVOA_W
 ClientSampleId :

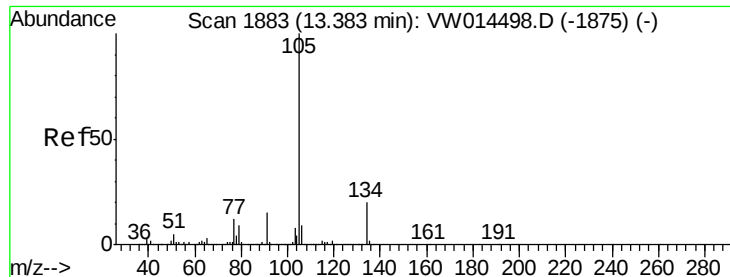
Tot Ion:119 Resp: 456374
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.1 93.3
 134 26.7 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.181 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion:105 Resp: 543171
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0

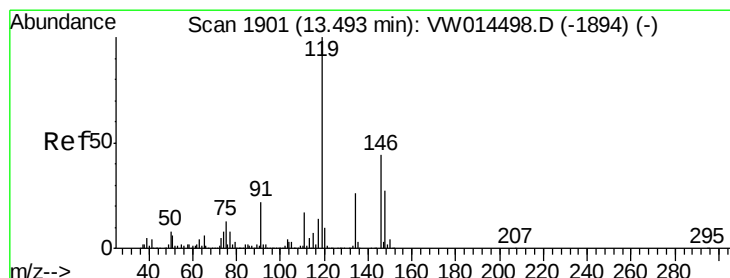
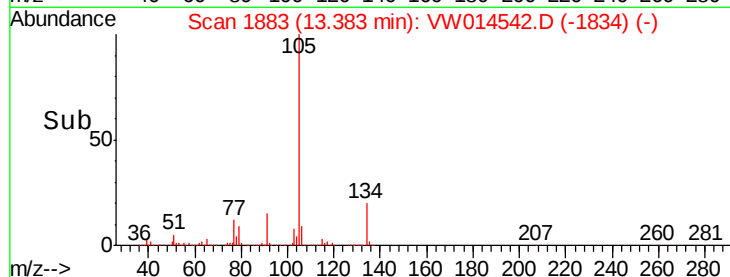
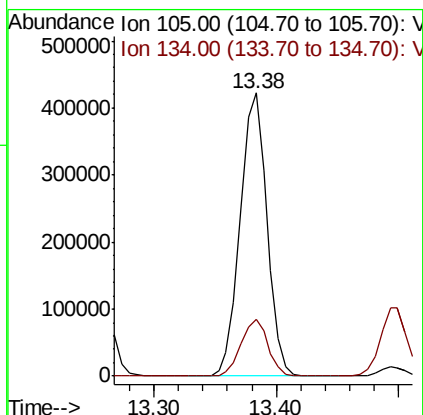
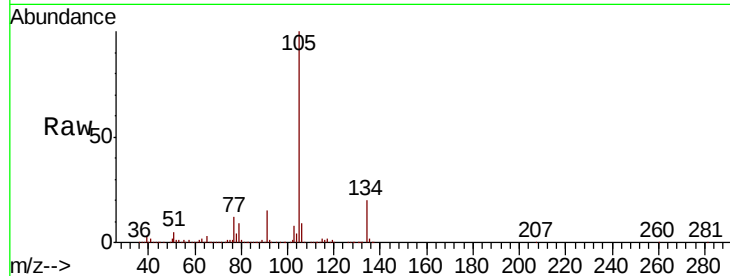




#85
 sec-Butylbenzene
 Concen: 18.571 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

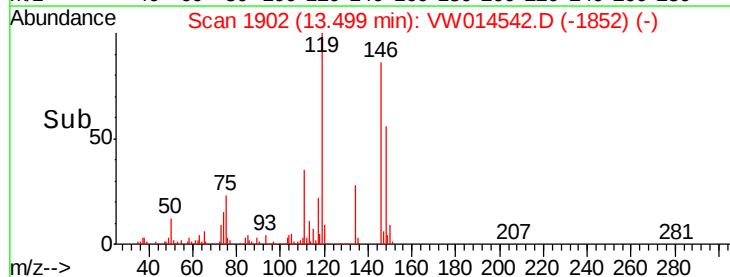
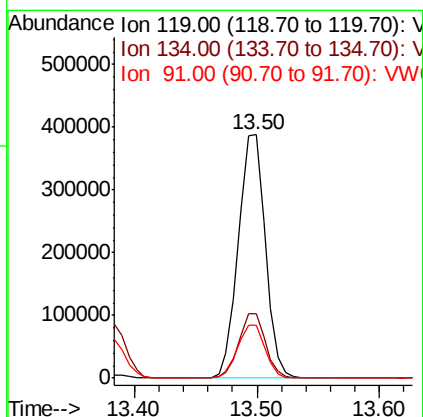
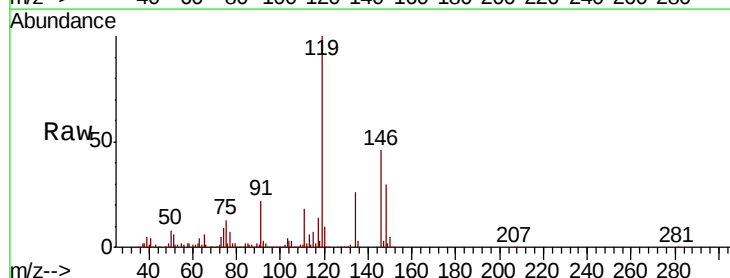
Instrument :
 MSVOA_W
 ClientSampleId :

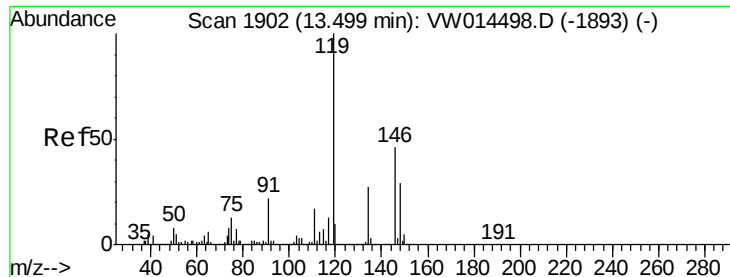
Tot Ion:105 Resp: 640432
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 18.869 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion:119 Resp: 593133
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.948 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

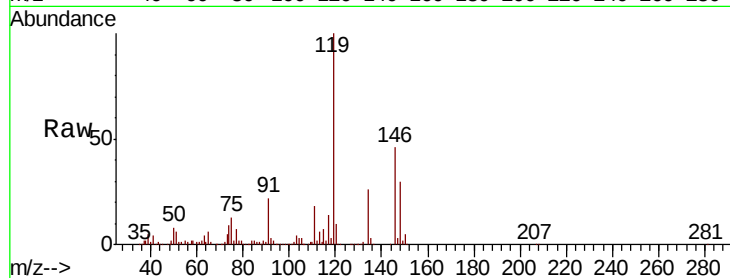
Tot Ion:146 Resp: 290038

Ion Ratio Lower Upper

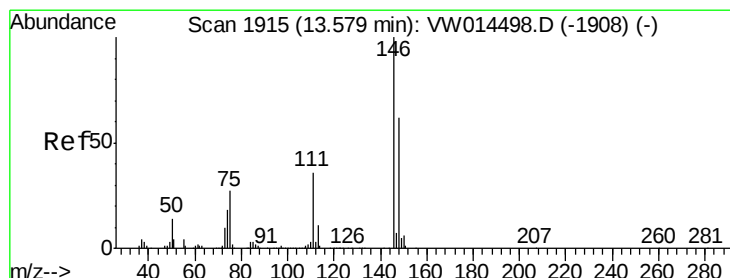
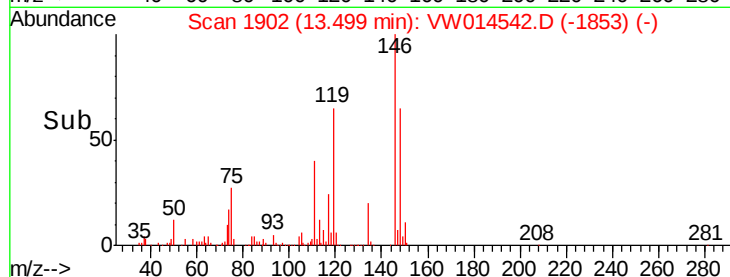
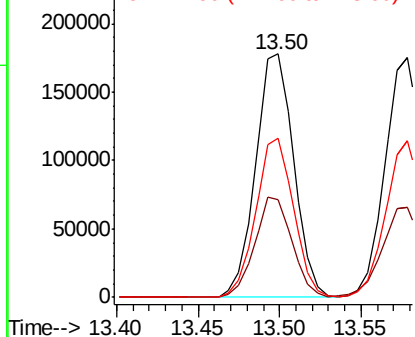
146 100

111 40.1 19.3 57.9

148 64.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.752 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

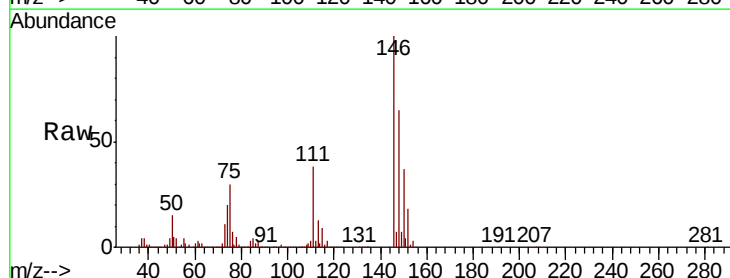
Tgt Ion:146 Resp: 283368

Ion Ratio Lower Upper

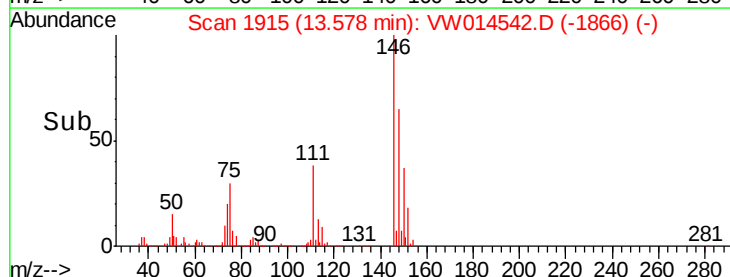
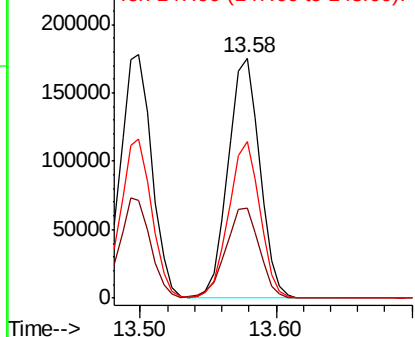
146 100

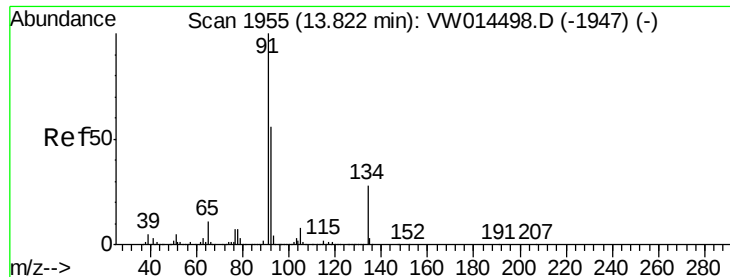
111 40.0 18.7 56.1

148 64.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.502 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

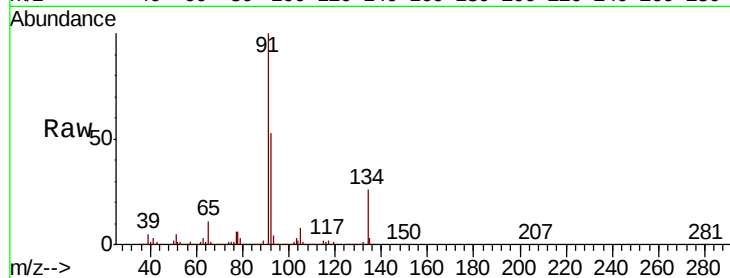
Tot Ion: 91 Resp: 540092

Ion Ratio Lower Upper

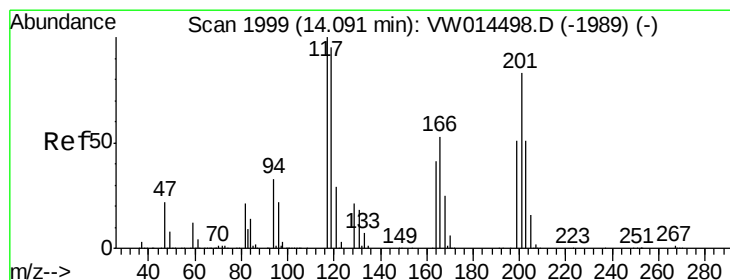
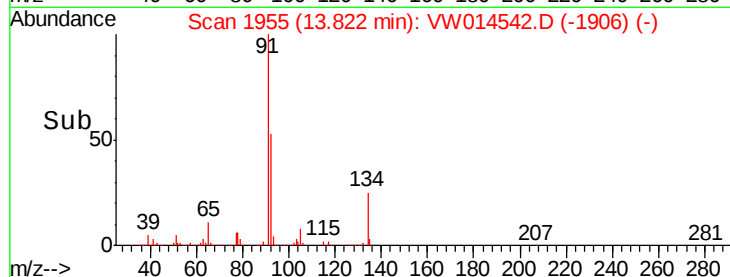
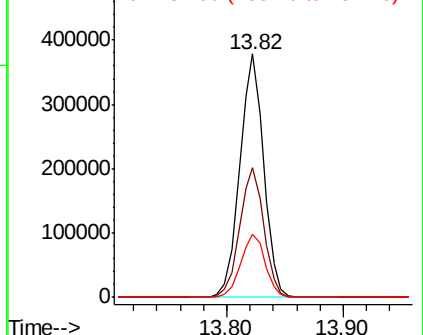
91 100

92 53.8 27.5 82.5

134 26.5 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: 18.339 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014542.D

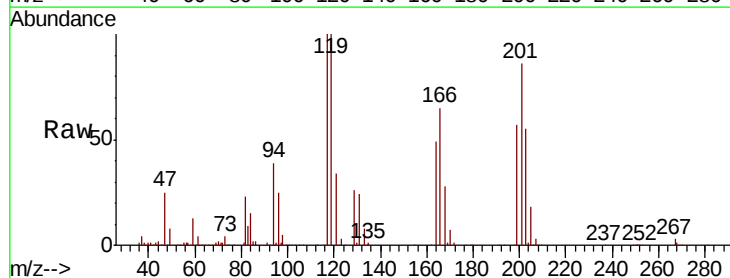
Acq: 07 Jan 2020 12:43

Tgt Ion: 117 Resp: 100703

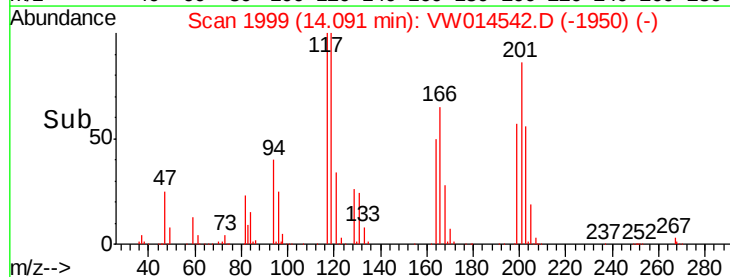
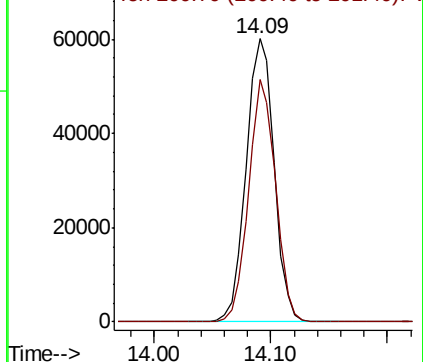
Ion Ratio Lower Upper

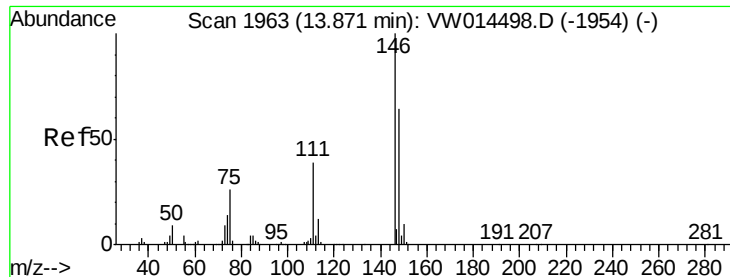
117 100

201 82.7 43.0 128.8



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

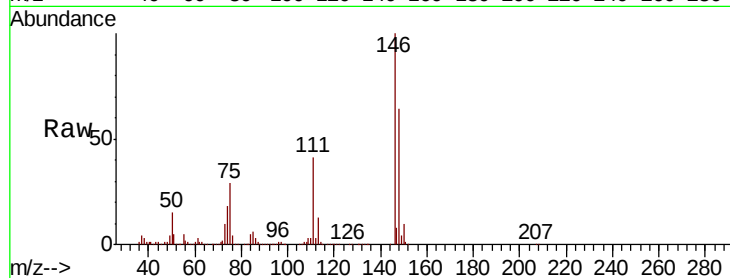




#91
 1,2-Dichlorobenzene
 Concen: 19.157 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.1	32.3	96.8

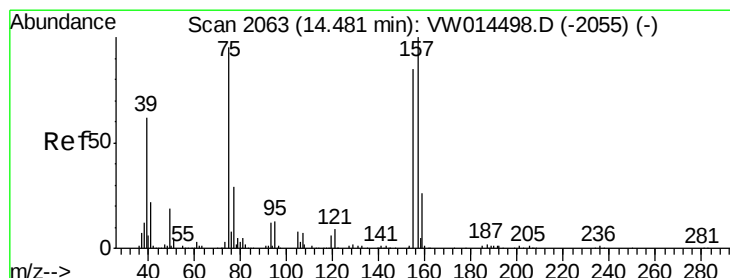
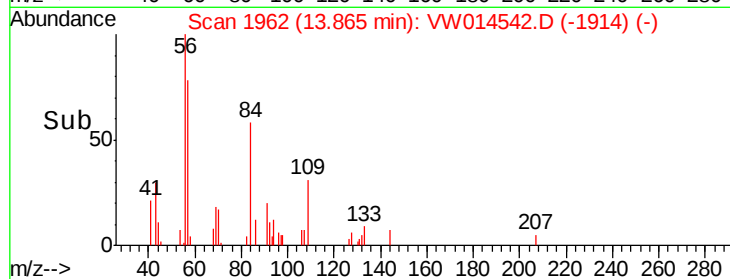
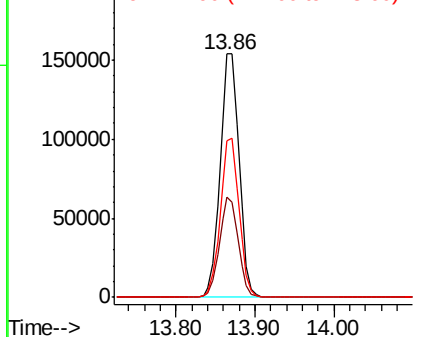


Abundance

Ion 145.90 (145.60 to 146.60): V

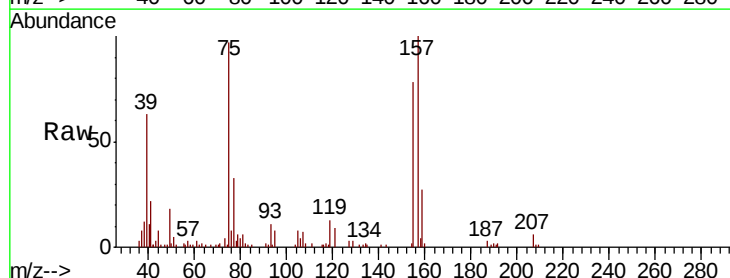
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.852 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	45.8	137.4
157	115.5	58.1	174.2

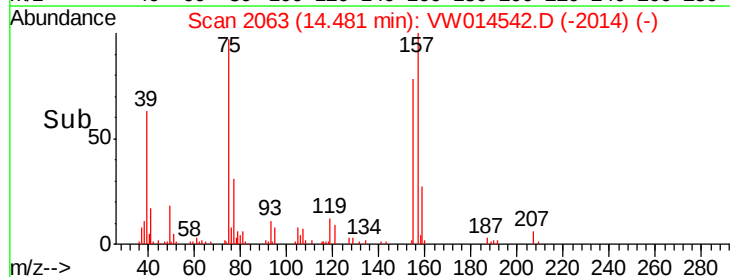
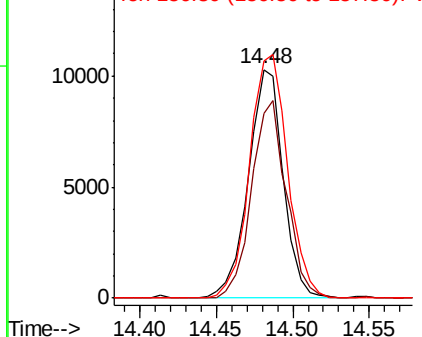


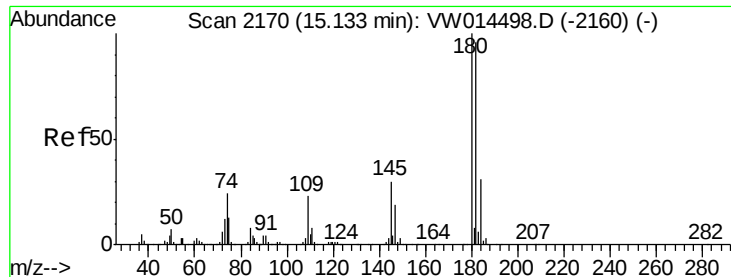
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

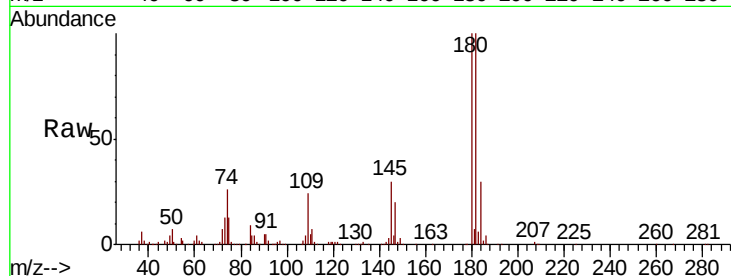




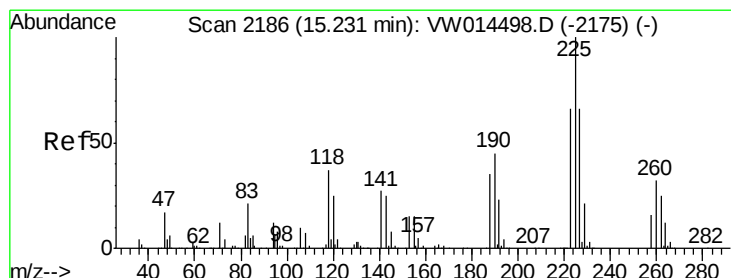
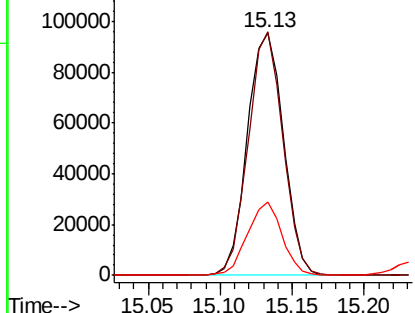
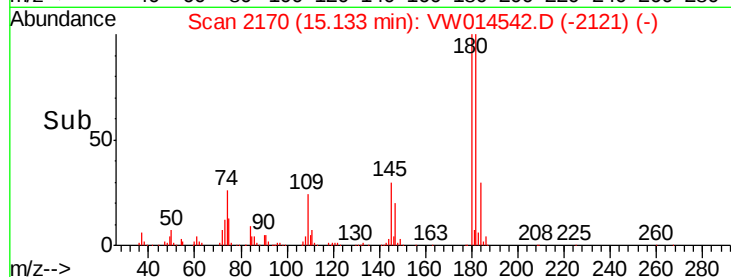
#93
 1,2,4-Trichlorobenzene
 Concen: 18.167 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	28.9	14.7	44.1

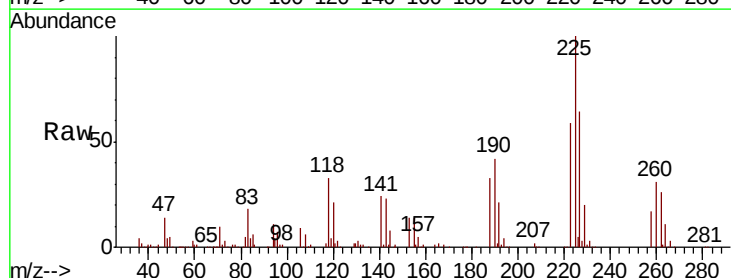


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

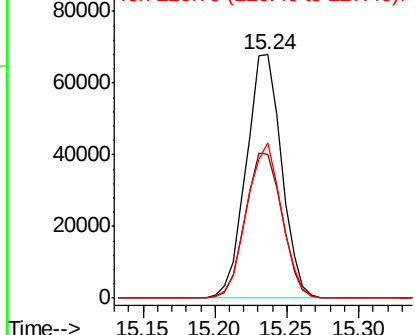
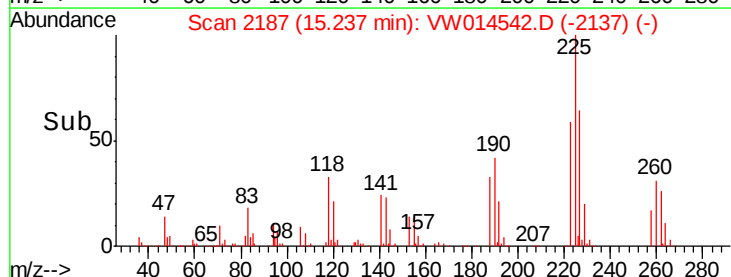


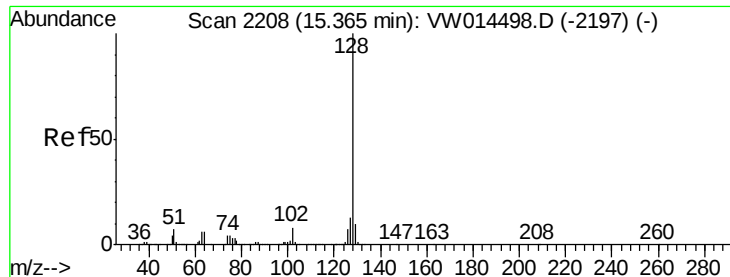
#94
 Hexachlorobutadiene
 Concen: 18.950 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.2
227	62.8	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: 16.092 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

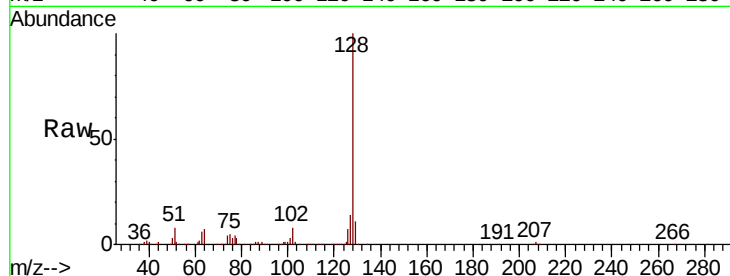
Tot Ion:128 Resp: 249343

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

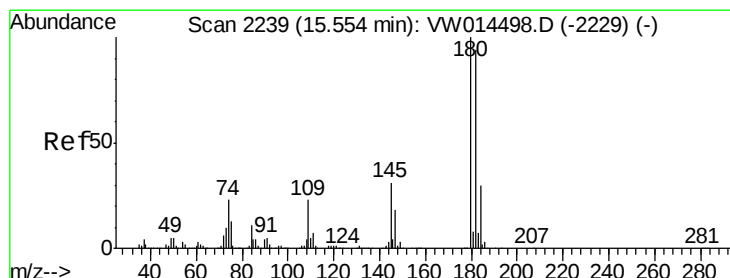
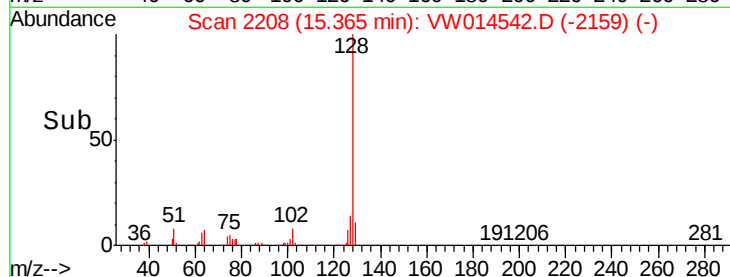
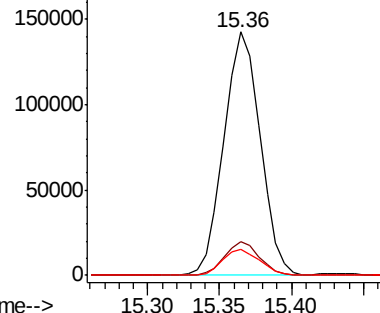
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.377 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

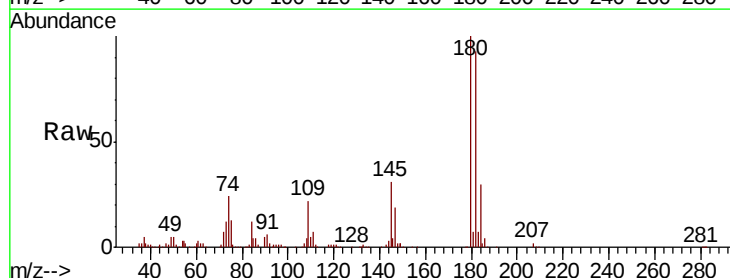
Tgt Ion:180 Resp: 145534

Ion Ratio Lower Upper

180 100

182 93.0 47.4 142.2

145 31.2 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

