

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014549.D
 Acq On : 07 Jan 2020 16:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:49:05 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	587896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	802032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	634305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	274540	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	173007	33.66	ug/l	0.00
Spiked Amount			Recovery	=	67.32%	
35) Dibromofluoromethane	7.88	113	192496	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	
50) Toluene-d8	10.32	98	871385	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.62	95	253105	39.01	ug/l	0.00
Spiked Amount			Recovery	=	78.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	151510	45.644	ug/l	96
3) Chloromethane	2.21	50	181608	44.698	ug/l	97
4) Vinyl Chloride	2.36	62	306996	51.371	ug/l	100
5) Bromomethane	2.78	94	173457	46.986	ug/l	95
6) Chloroethane	2.93	64	169054	49.626	ug/l	98
7) Trichlorofluoromethane	3.26	101	162239	54.261	ug/l	94
8) Diethyl Ether	3.68	74	104250	35.043	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	298295	53.394	ug/l	100
10) Methyl Iodide	4.28	142	380727	45.167	ug/l	99
11) Tert butyl alcohol	5.15	59	63548	151.292	ug/l	100
12) 1,1-Dichloroethene	4.04	96	296837	50.737	ug/l	98
13) Acrolein	3.89	56	73474	163.775	ug/l	99
14) Allyl chloride	4.67	41	412271	46.113	ug/l	99
15) Acrylonitrile	5.37	53	204213	150.175	ug/l	99
16) Acetone	4.12	43	242748	167.253	ug/l	95
17) Carbon Disulfide	4.38	76	862923	48.937	ug/l	99
18) Methyl Acetate	4.67	43	104874	29.919	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	287930	39.647	ug/l	99
20) Methylene Chloride	4.92	84	249628	41.780	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	290117	46.702	ug/l	92
22) Diisopropyl ether	6.31	45	696727	41.635	ug/l	98
23) Vinyl Acetate	6.25	43	1717459	169.961	ug/l	100
24) 1,1-Dichloroethane	6.21	63	469304	44.460	ug/l	99
25) 2-Butanone	7.16	43	287339	154.268	ug/l	98
26) 2,2-Dichloropropane	7.16	77	286144	48.963	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	283563	43.442	ug/l	98
28) Bromochloromethane	7.51	49	158745	38.359	ug/l	100
29) Tetrahydrofuran	7.52	42	167870	145.482	ug/l	99
30) Chloroform	7.67	83	425291	43.085	ug/l	98
31) Cyclohexane	7.96	56	552434	50.359	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	385378	48.543	ug/l	99
36) 1,1-Dichloropropene	8.08	75	423731	54.802	ug/l	100
37) Ethyl Acetate	7.25	43	120114	34.253	ug/l	99
38) Carbon Tetrachloride	8.07	117	363867	54.244	ug/l	99

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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)
39) Methylcyclohexane	9.34	83	575468	57.996	ug/l	100
40) Benzene	8.32	78	1074162	49.101	ug/l	100
41) Methacrylonitrile	7.48	41	60233	30.814	ug/l	93
42) 1,2-Dichloroethane	8.40	62	222301	39.157	ug/l	100
43) Isopropyl Acetate	8.42	43	223170	35.047	ug/l	99
44) Trichloroethene	9.09	130	304576	51.452	ug/l	94
45) 1,2-Dichloropropane	9.37	63	241077	44.908	ug/l	100
46) Dibromomethane	9.46	93	99012	37.361	ug/l	98
47) Bromodichloromethane	9.64	83	280401	42.856	ug/l	100
48) Methyl methacrylate	9.43	41	108212	34.806	ug/l	99
49) 1,4-Dioxane	9.45	88	31284	631.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	567784	171.702	ug/l	100
52) Toluene	10.38	92	674999	49.045	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	263285	38.865	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	352865	42.619	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	145121	37.494	ug/l	98
56) Ethyl methacrylate	10.65	69	182739	36.329	ug/l	100
57) 1,3-Dichloropropane	10.93	76	259752	38.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	278167	181.831	ug/l	99
59) 2-Hexanone	10.97	43	393820	172.829	ug/l	99
60) Dibromochloromethane	11.13	129	170310	38.999	ug/l	99
61) 1,2-Dibromoethane	11.23	107	133043	36.212	ug/l	99
64) Tetrachloroethene	10.86	164	261351	56.913	ug/l	98
65) Chlorobenzene	11.66	112	642414	49.436	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	204466	46.731	ug/l	98
67) Ethyl Benzene	11.73	91	1243806	53.111	ug/l	100
68) m/p-Xylenes	11.83	106	946114	105.558	ug/l	100
69) o-Xylene	12.16	106	415031	50.129	ug/l	100
70) Styrene	12.18	104	679314	48.510	ug/l	100
71) Bromoform	12.35	173	89991	37.707	ug/l #	99
73) Isopropylbenzene	12.46	105	1231824	61.150	ug/l	100
74) N-amyl acetate	12.27	43	185229	41.009	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	154082	42.377	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	194195	74.813	ug/l #	100
77) Bromobenzene	12.74	156	238190	50.909	ug/l	97
78) n-propylbenzene	12.80	91	1414888	59.731	ug/l	99
79) 2-Chlorotoluene	12.89	91	745618	55.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	971052	57.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47791	41.021	ug/l	98
82) 4-Chlorotoluene	12.99	91	758321	54.146	ug/l	99
83) tert-Butylbenzene	13.21	119	874466	59.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	921336	54.738	ug/l	99
85) sec-Butylbenzene	13.38	105	1232689	60.138	ug/l	99
86) p-Isopropyltoluene	13.49	119	1079912	57.800	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	457413	50.276	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	440613	49.055	ug/l	100
89) n-Butylbenzene	13.82	91	982720	56.641	ug/l	100
90) Hexachloroethane	14.09	117	173328	53.105	ug/l	100
91) 1,2-Dichlorobenzene	13.86	146	377115	47.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22102	38.386	ug/l	94

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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	224197	41.518	ug/l	98
94) Hexachlorobutadiene	15.24	225	180772	49.954	ug/l	97
95) Naphthalene	15.36	128	335184	36.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	186159	39.550	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

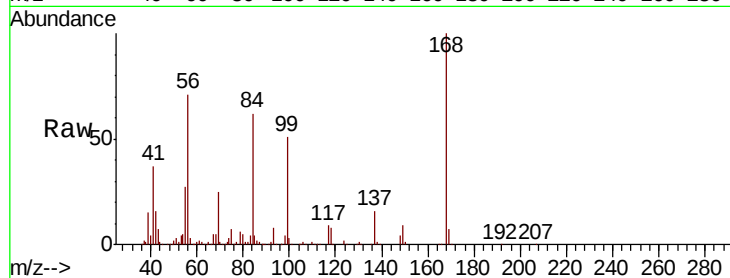
ClientSampleId :

Tot Ion:168 Resp: 587896

Ion Ratio Lower Upper

168 100

99 50.6 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

250000

200000

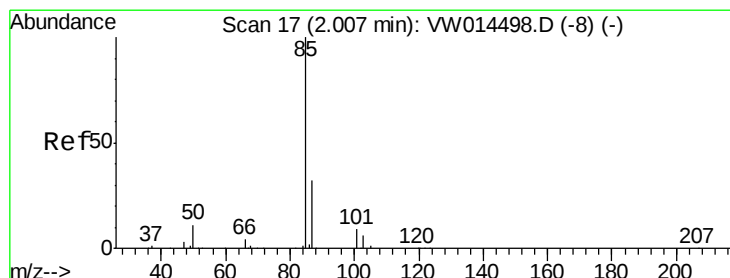
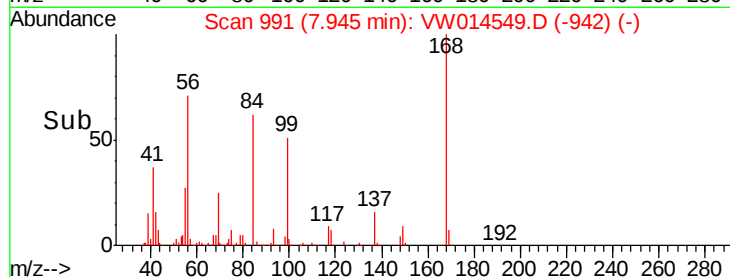
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.644 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014549.D

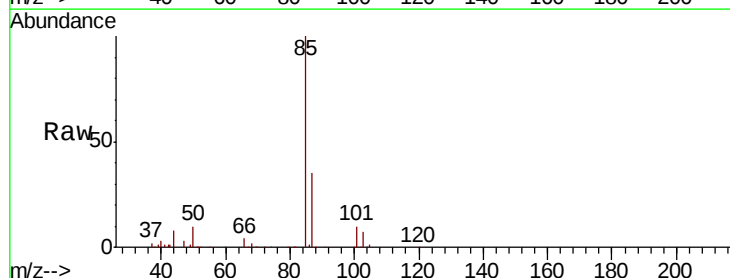
Acq: 07 Jan 2020 16:55

Tgt Ion: 85 Resp: 151510

Ion Ratio Lower Upper

85 100

87 34.7 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

50000

40000

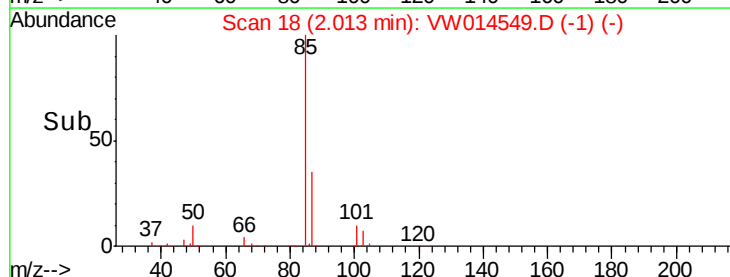
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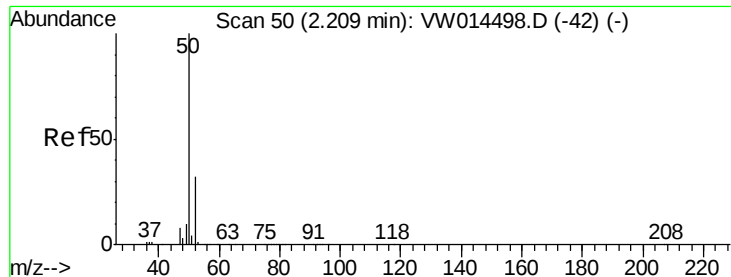
20000

10000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 44.698 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

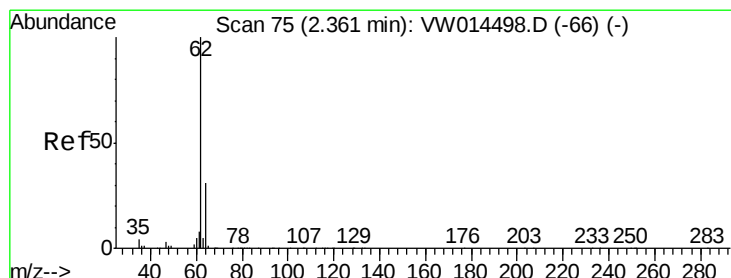
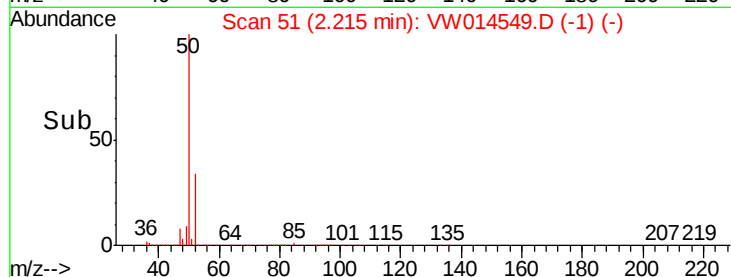
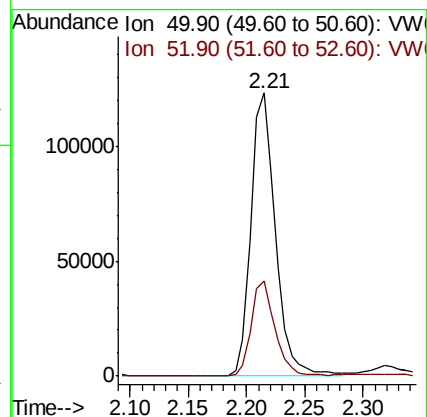
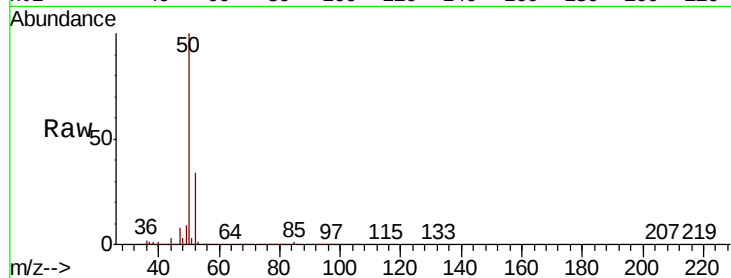
ClientSampled :

Tot Ion: 50 Resp: 181608

Ion Ratio Lower Upper

50 100

52 33.8 25.8 38.8



#4

Vinyl Chloride

Concen: 51.371 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014549.D

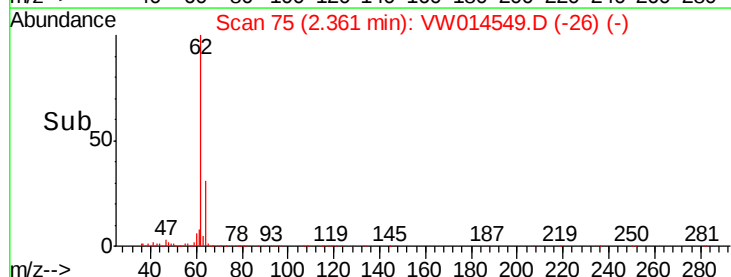
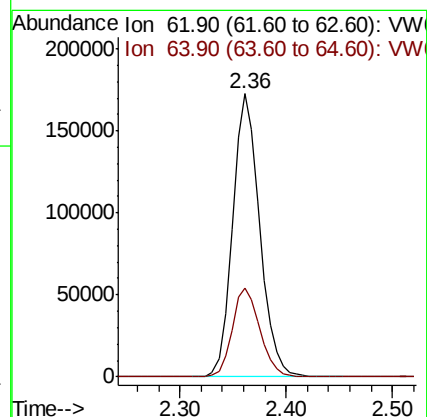
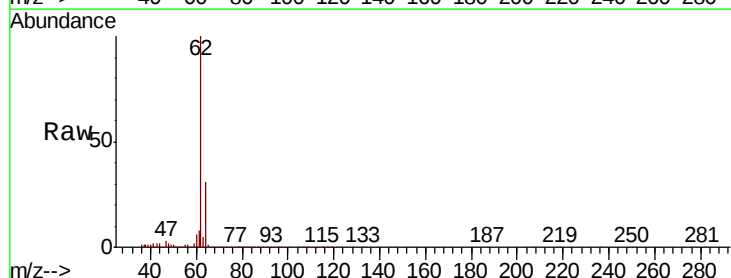
Acq: 07 Jan 2020 16:55

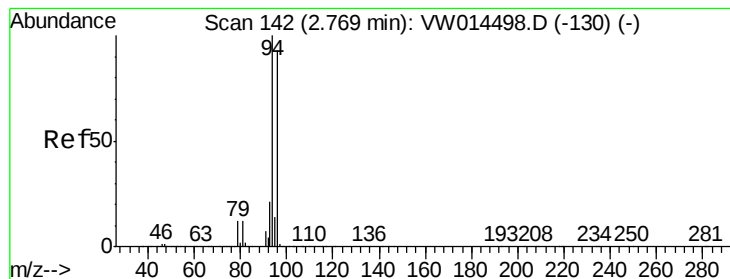
Tgt Ion: 62 Resp: 306996

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 46.986 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

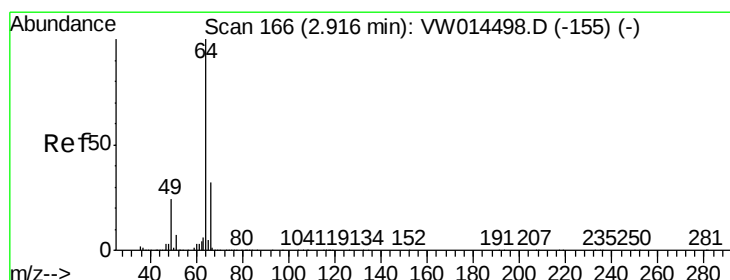
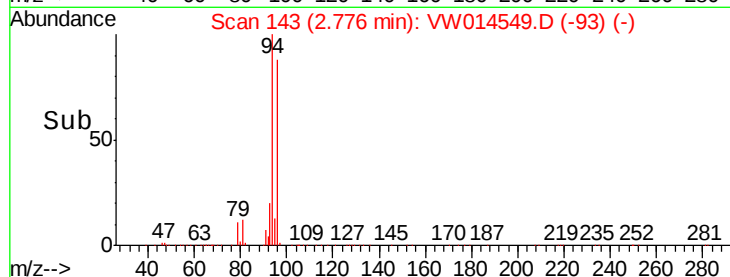
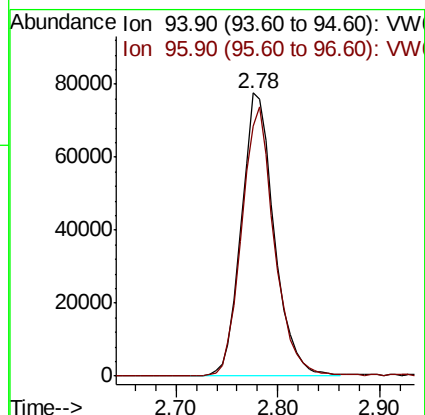
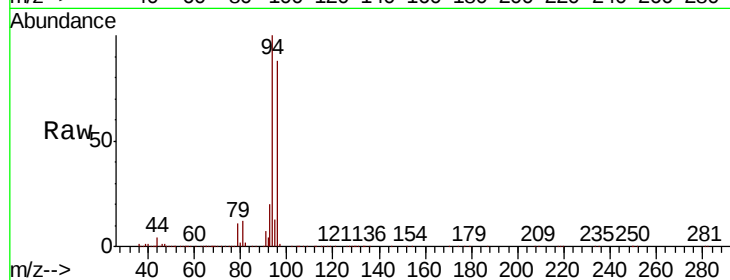
ClientSampled :

Tot Ion: 94 Resp: 173457

Ion Ratio Lower Upper

94 100

96 87.9 74.2 111.2



#6

Chloroethane

Concen: 49.626 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW014549.D

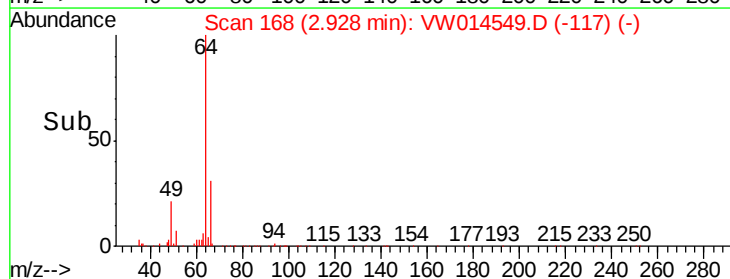
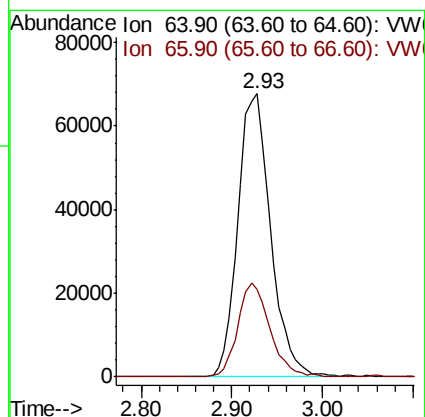
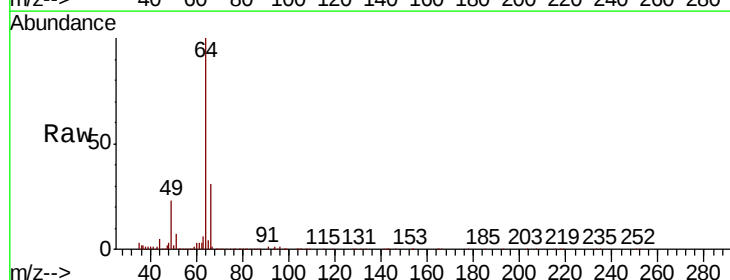
Acq: 07 Jan 2020 16:55

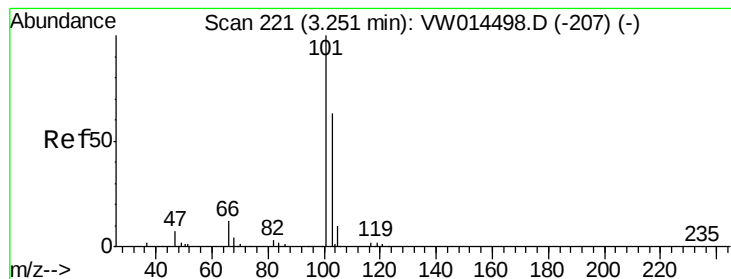
Tgt Ion: 64 Resp: 169054

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5



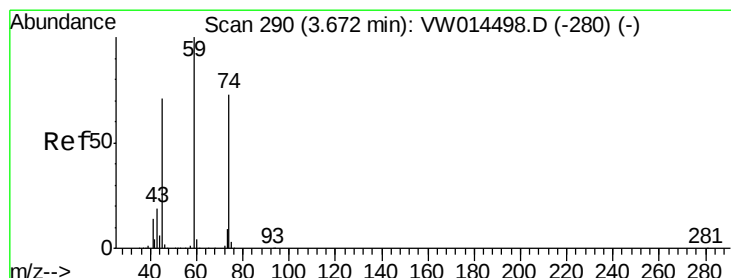
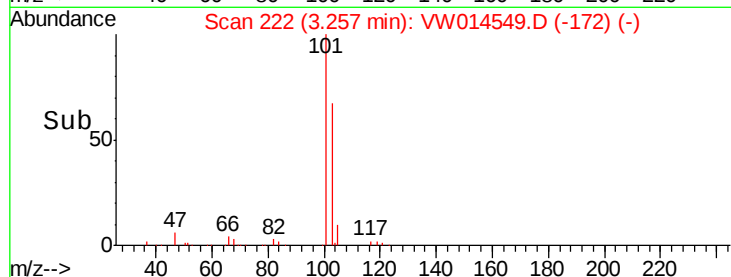
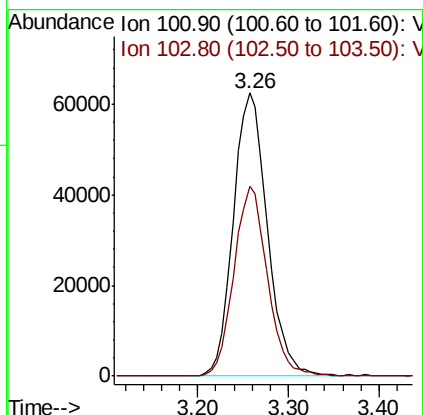
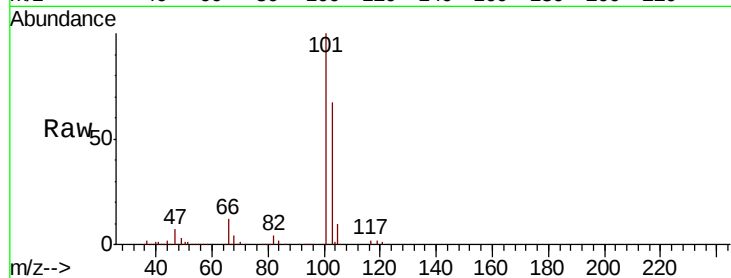


#7

Trichlorofluoromethane
Concen: 54.261 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

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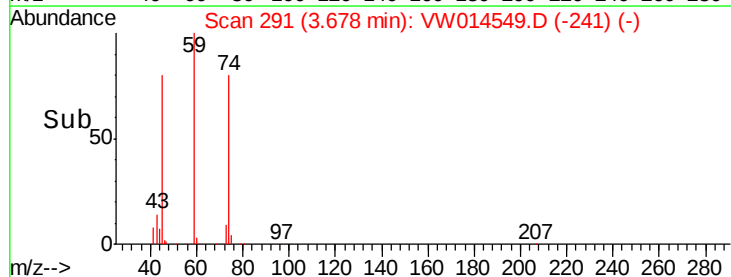
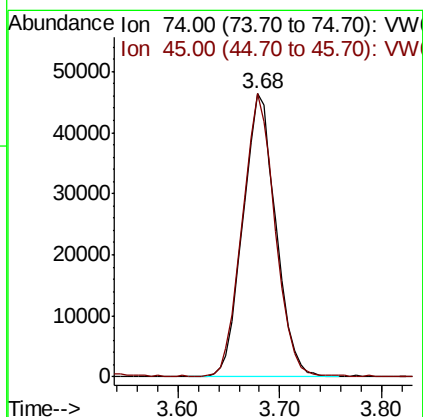
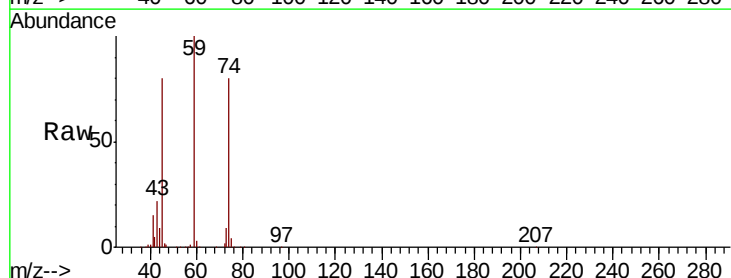
Tot Ion:101 Resp: 162239
Ion Ratio Lower Upper
101 100
103 67.0 50.1 75.1

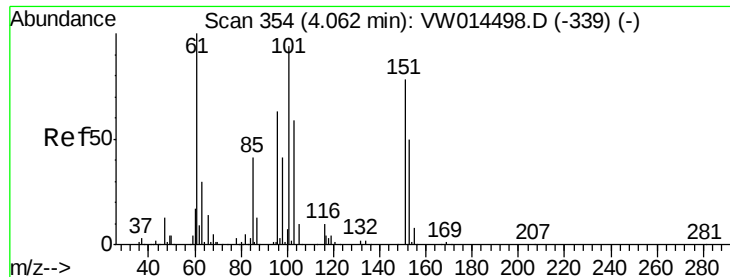


#8

Diethyl Ether
Concen: 35.043 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 74 Resp: 104250
Ion Ratio Lower Upper
74 100
45 99.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.394 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

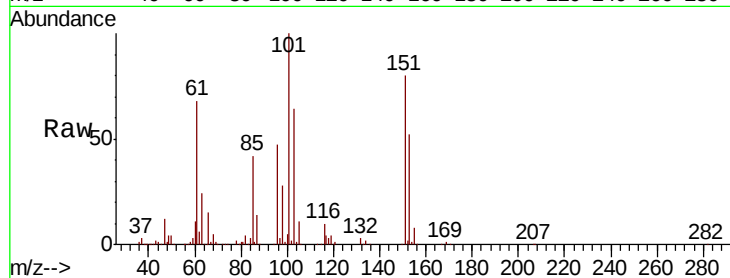
Tot Ion:101 Resp: 298295

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

151 79.9 63.5 95.3

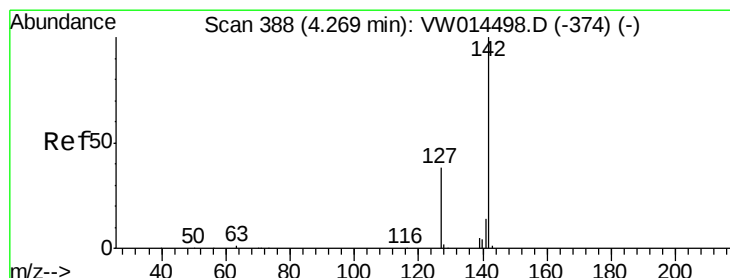
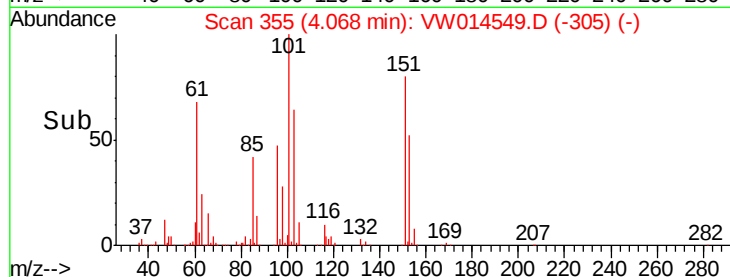
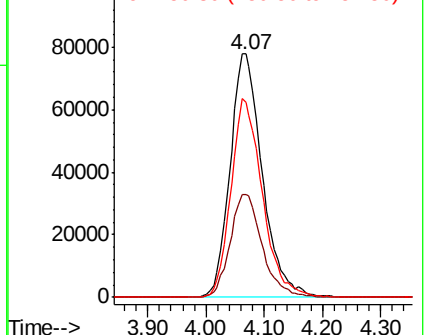


Abundance

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: 45.167 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

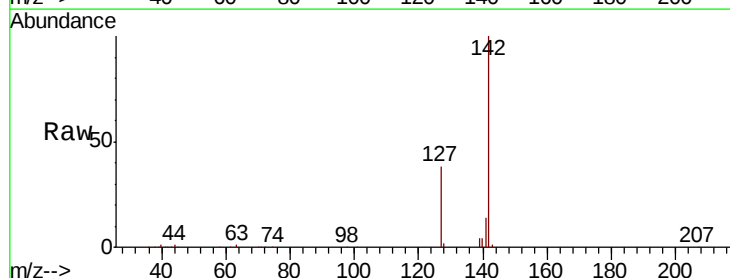
Tgt Ion:142 Resp: 380727

Ion Ratio Lower Upper

142 100

127 38.8 30.2 45.4

141 14.4 11.4 17.2

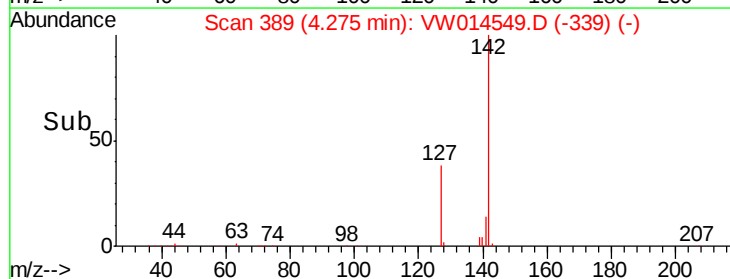
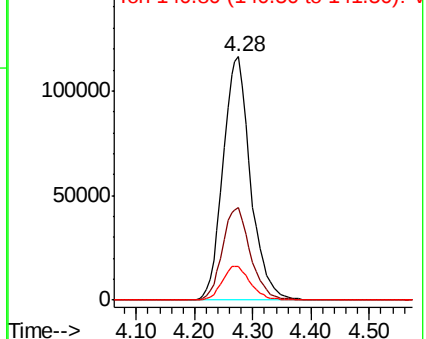


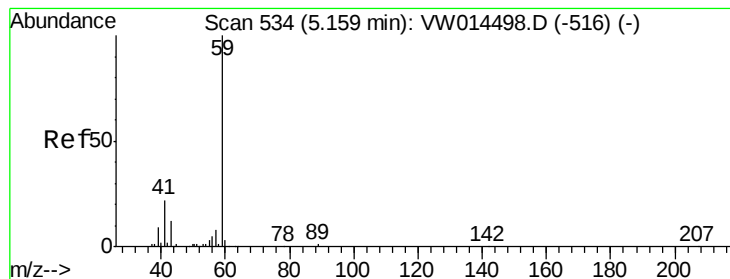
Abundance

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: 151.292 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

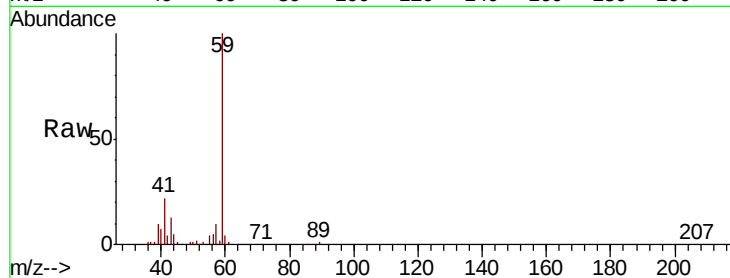
ClientSampleId :

Tot Ion: 59 Resp: 63548

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

20000

15000

10000

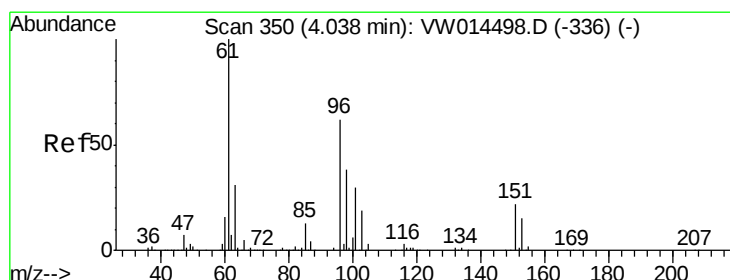
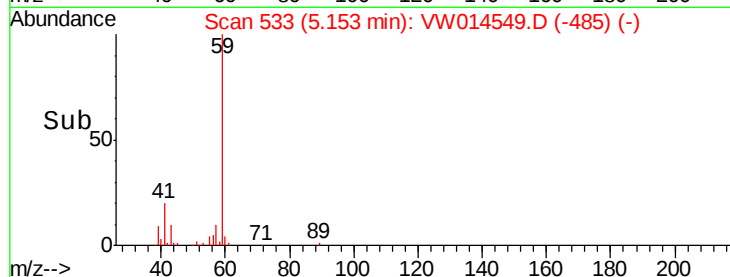
5000

0

Time-->

5.00 5.10 5.20 5.30

5.15



#12

1,1-Dichloroethene

Concen: 50.737 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

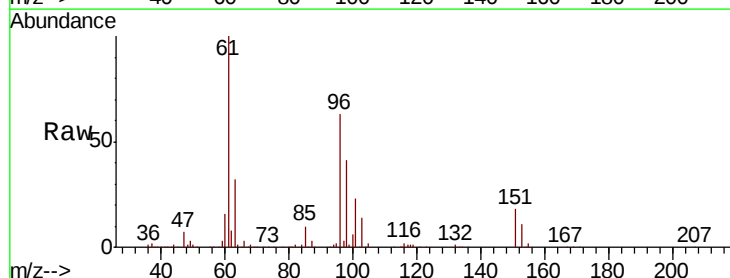
Tgt Ion: 96 Resp: 296837

Ion Ratio Lower Upper

96 100

61 159.2 128.4 192.6

98 64.6 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

200000

150000

100000

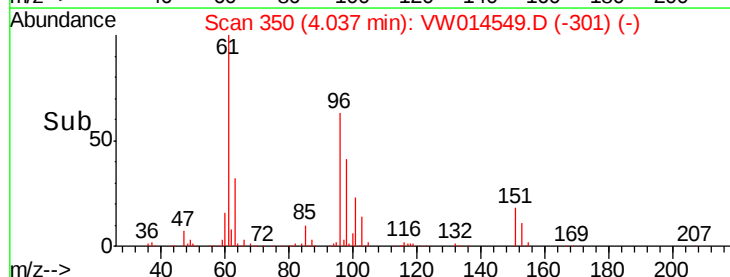
50000

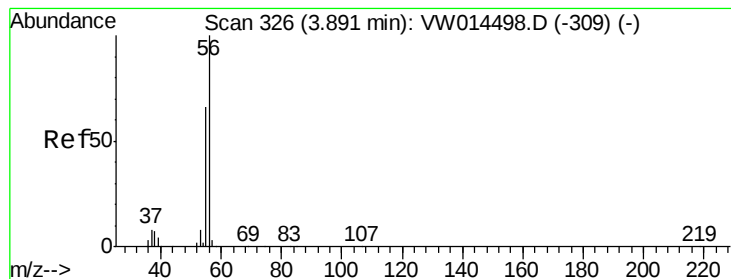
0

Time-->

3.90 4.00 4.10 4.20

4.04





#13

Acrolein

Concen: 163.775 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

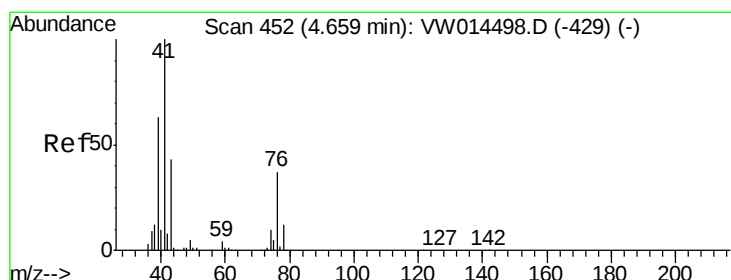
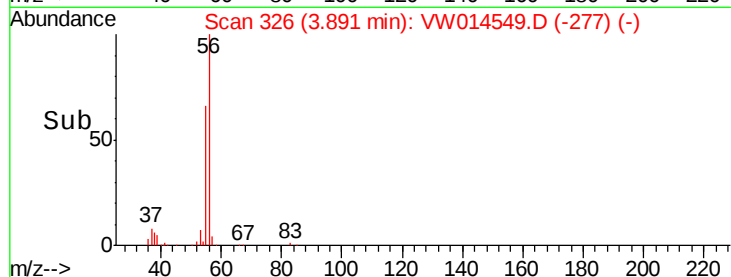
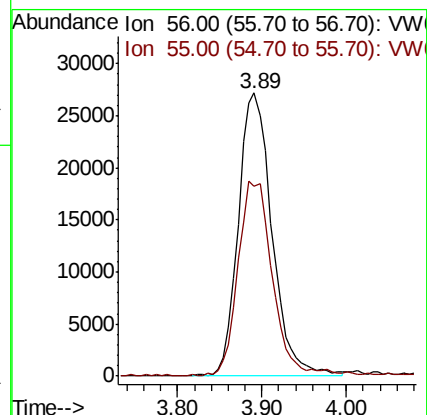
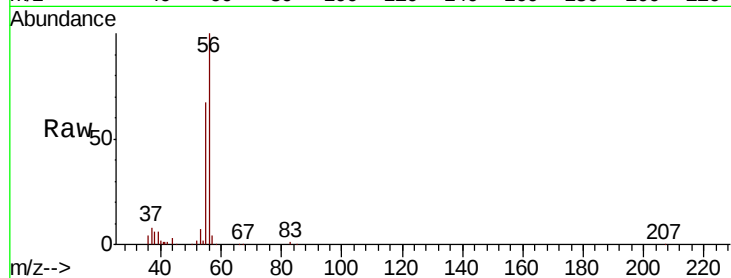
ClientSampleId :

Tot Ion: 56 Resp: 73474

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 46.113 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

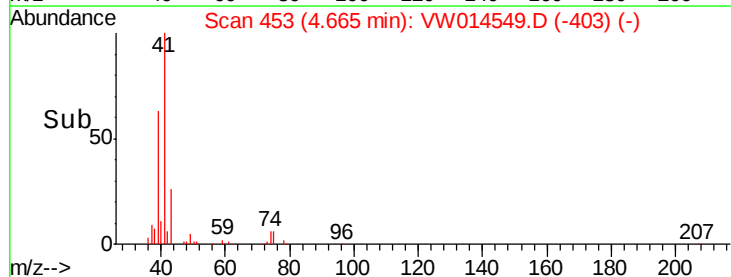
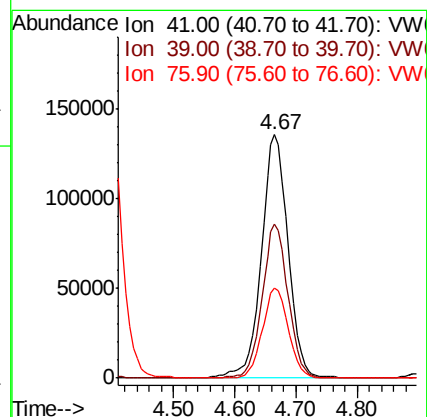
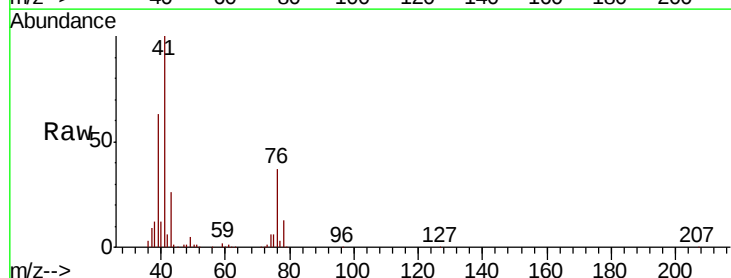
Tgt Ion: 41 Resp: 412271

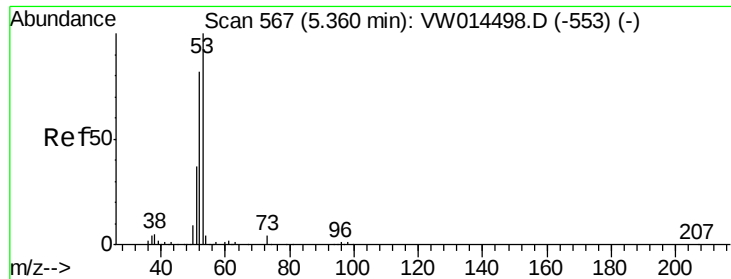
Ion Ratio Lower Upper

41 100

39 61.5 48.5 72.7

76 36.2 28.1 42.1





#15

Acrylonitrile

Concen: 150.175 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

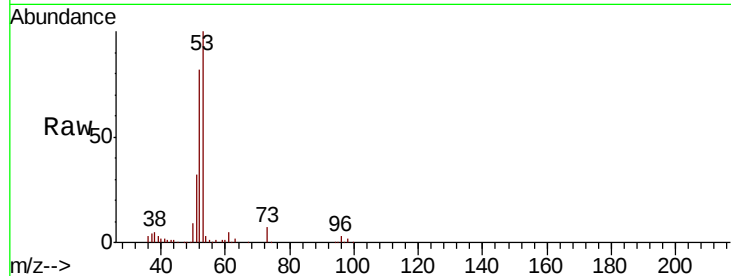
Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 204213

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.5	99.7
51	35.0	28.4	42.6

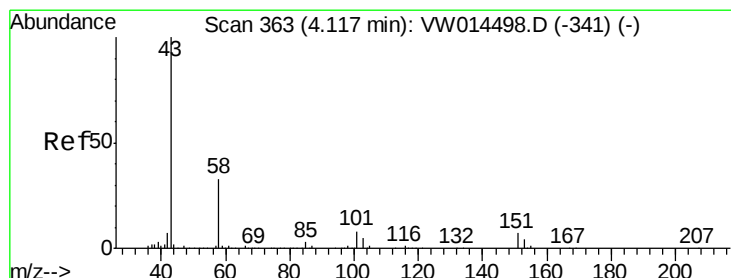
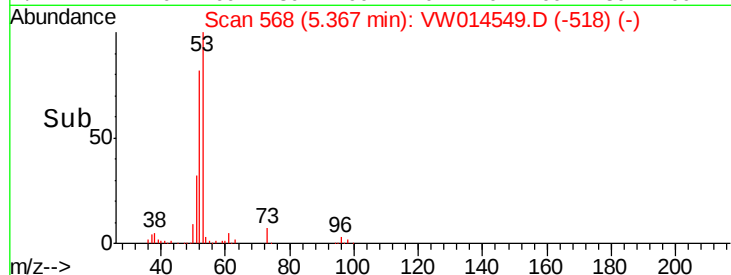
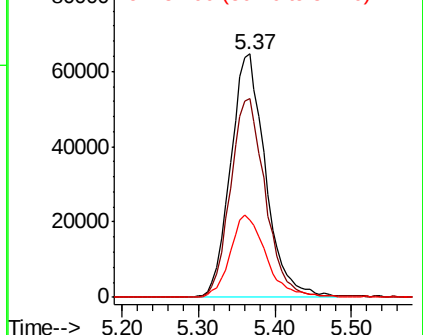


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 167.253 ug/l

RT: 4.12 min Scan# 363

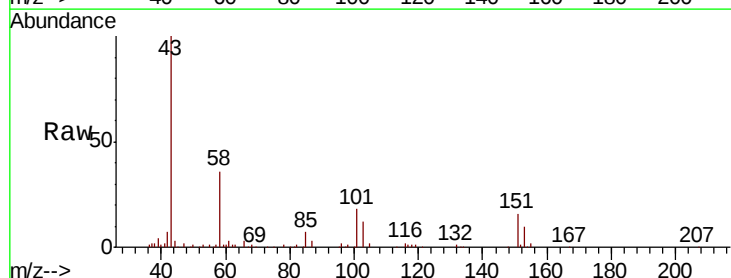
Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Tgt Ion: 43 Resp: 242748

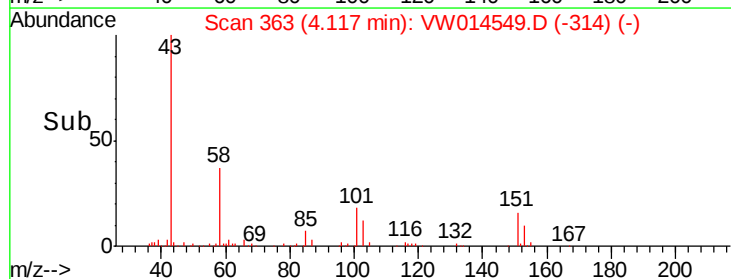
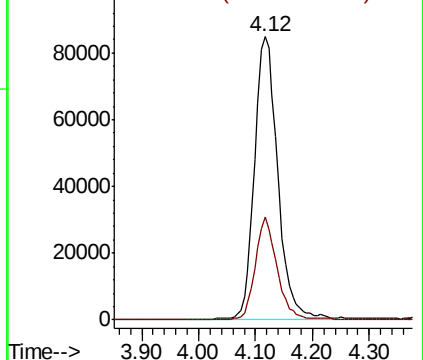
Ion	Ratio	Lower	Upper
43	100		
58	36.3	26.6	39.8

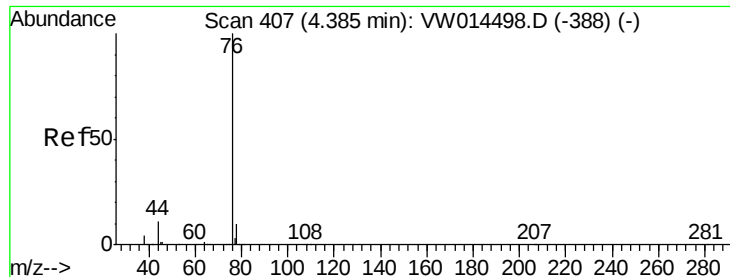


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 48.937 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

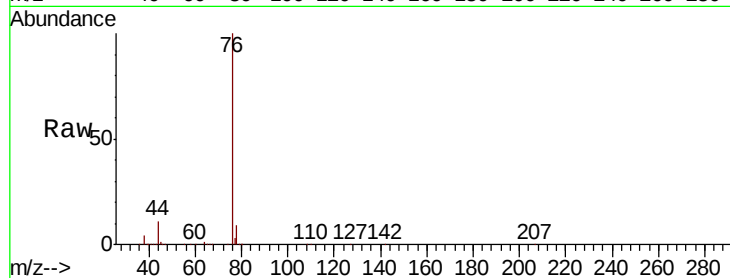
ClientSampleId :

Tot Ion: 76 Resp: 862923

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300000

250000

200000

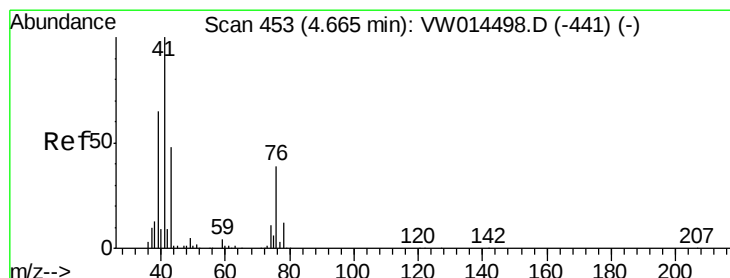
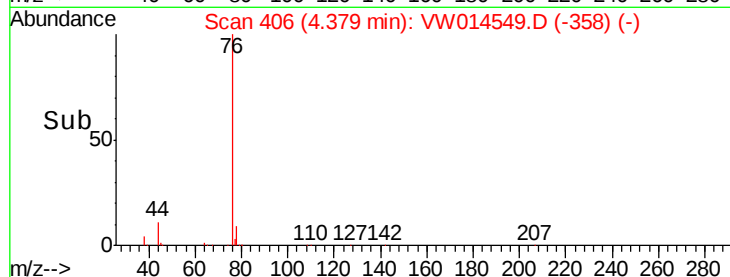
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 29.919 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014549.D

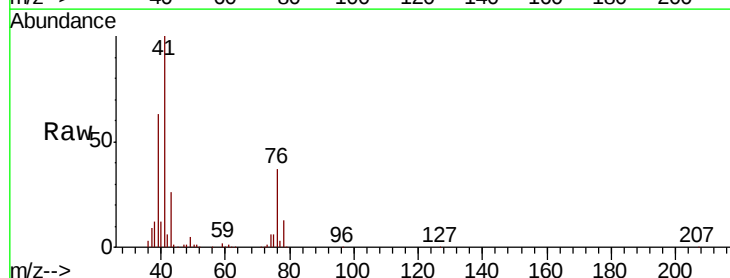
Acq: 07 Jan 2020 16:55

Tgt Ion: 43 Resp: 104874

Ion Ratio Lower Upper

43 100

74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

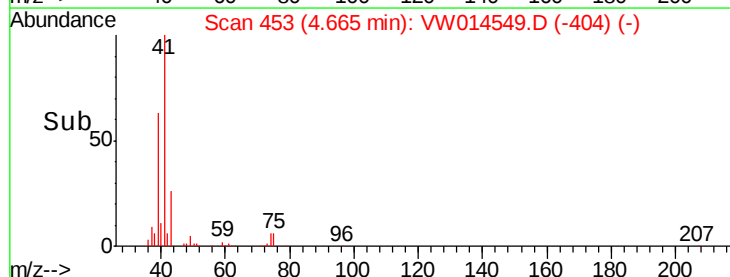
30000

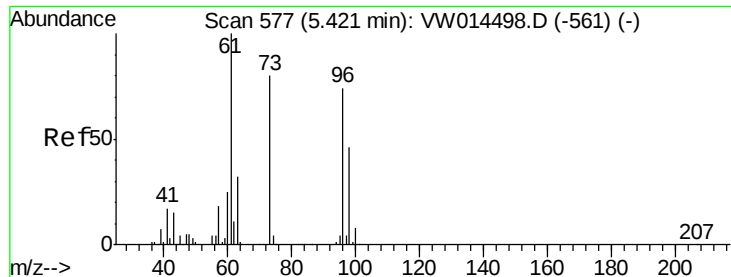
20000

10000

0

Time-->

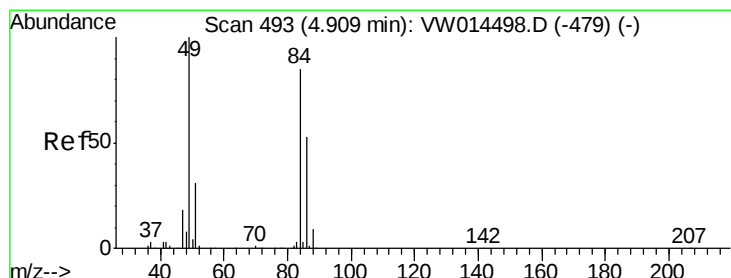
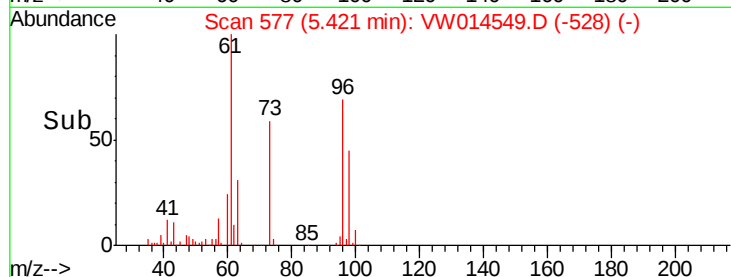
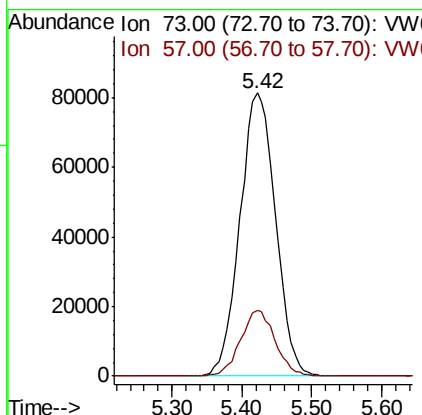
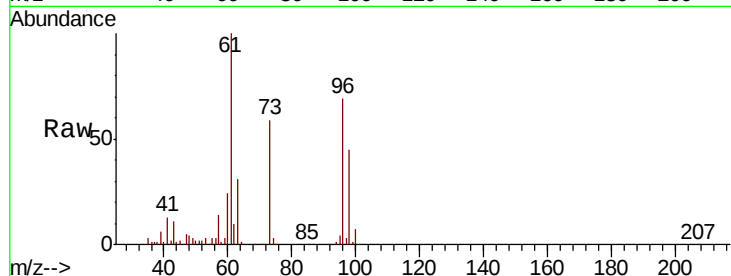




#19
Methvl tert-butvl Ether
Concen: 39.647 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

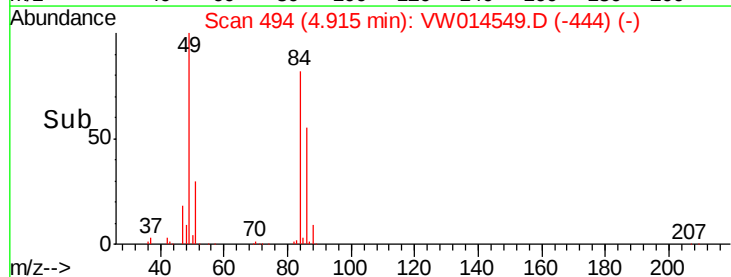
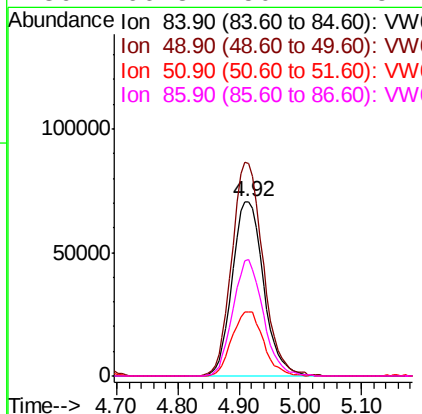
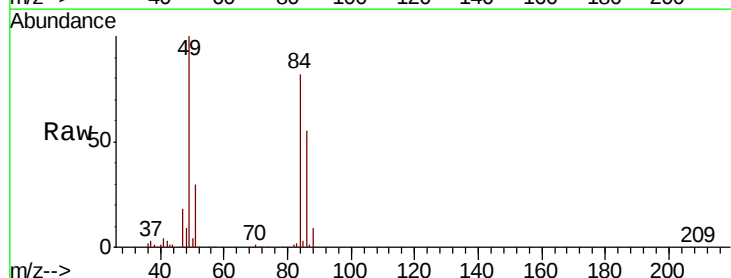
Instrument :
MSVOA_W
ClientSampled :

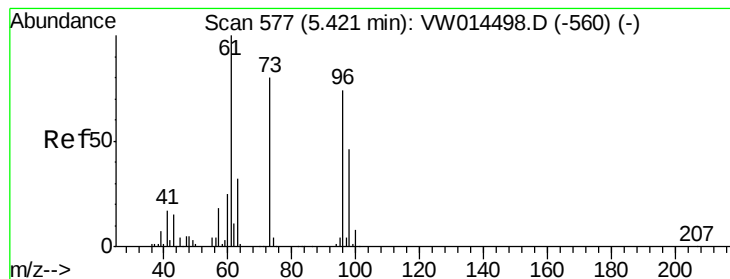
Tot Ion: 73 Resp: 287930
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1



#20
Methylene Chloride
Concen: 41.780 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 84 Resp: 249628
Ion Ratio Lower Upper
84 100
49 122.0 94.4 141.6
51 36.8 29.5 44.3
86 66.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.702 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

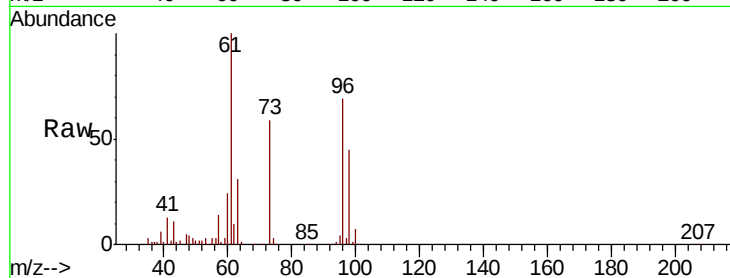
Tot Ion: 96 Resp: 290117

Ion Ratio Lower Upper

96 100

61 145.8 107.8 161.6

98 66.3 49.4 74.0

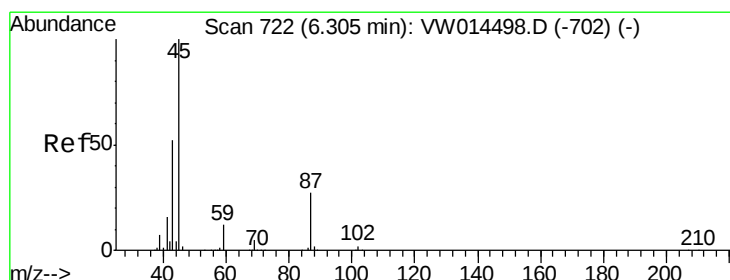
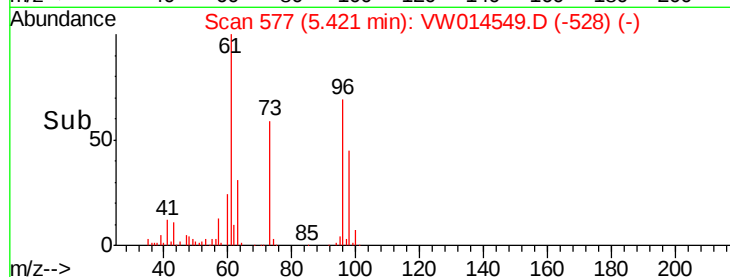
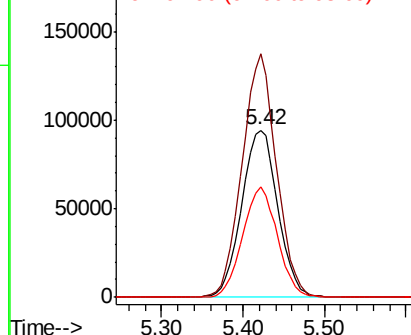


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 41.635 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Tgt Ion: 45 Resp: 696727

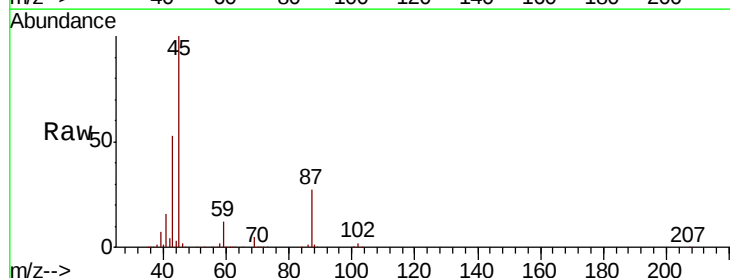
Ion Ratio Lower Upper

45 100

43 53.1 41.4 62.0

87 26.7 22.2 33.2

59 11.6 9.5 14.3



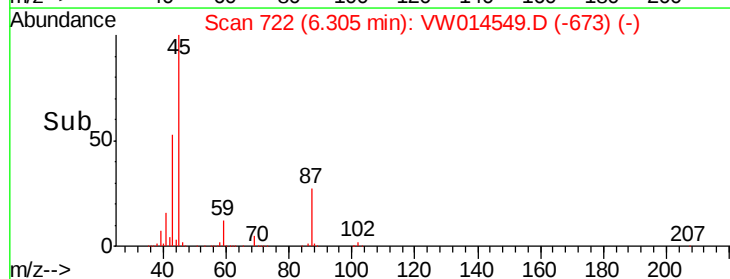
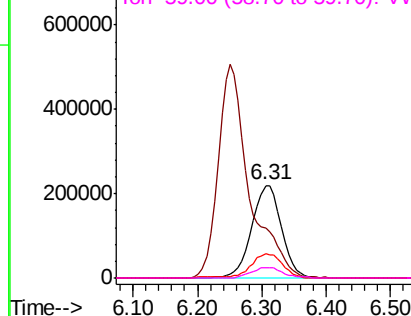
Abundance

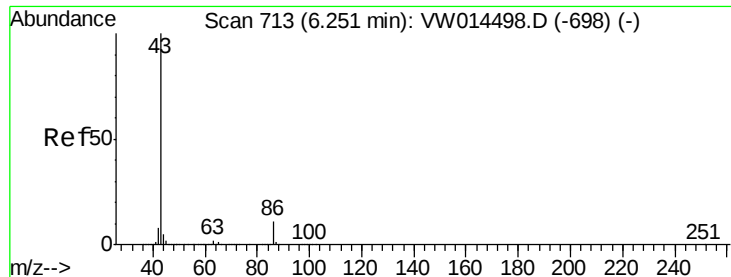
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 169.961 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

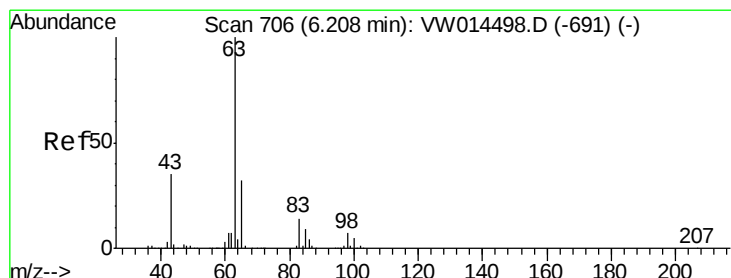
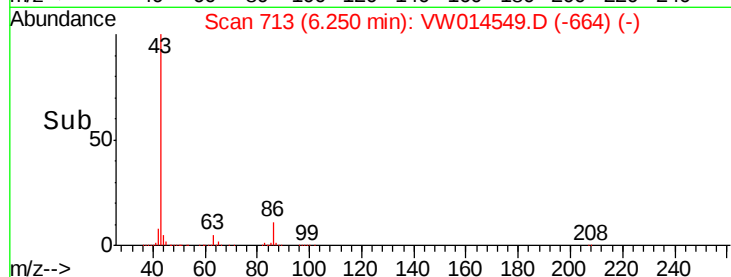
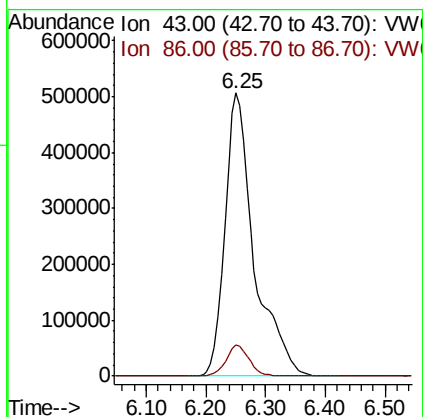
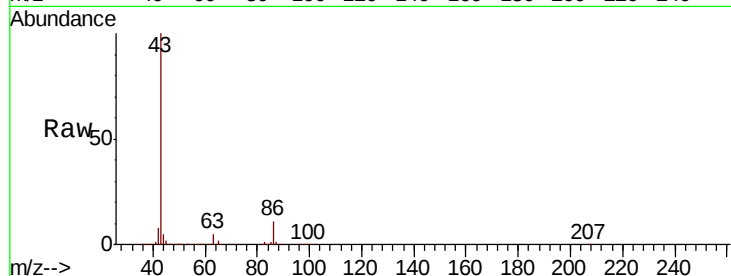
ClientSampled :

Tot Ion: 43 Resp: 1717459

Ion Ratio Lower Upper

43 100

86 10.8 8.8 13.2



#24

1,1-Dichloroethane

Concen: 44.460 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

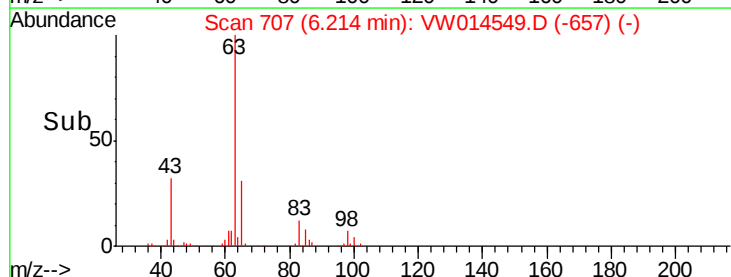
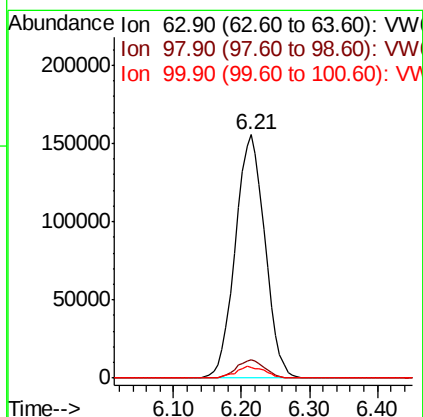
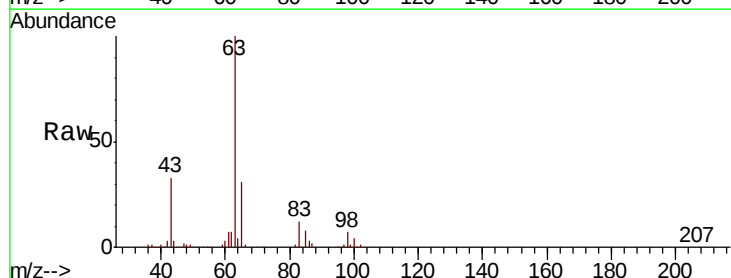
Tgt Ion: 63 Resp: 469304

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.5 2.5 7.4

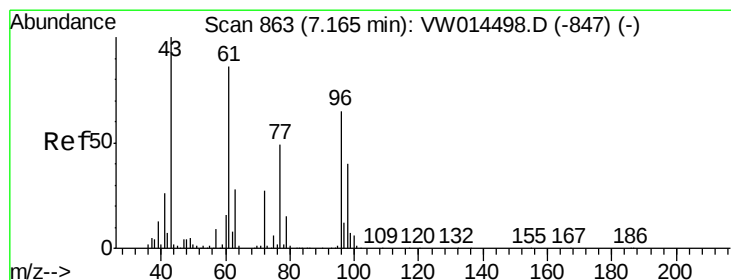
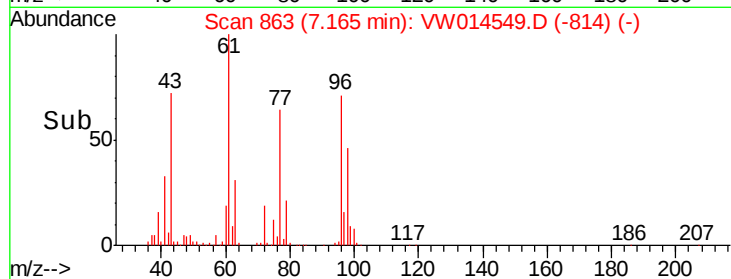
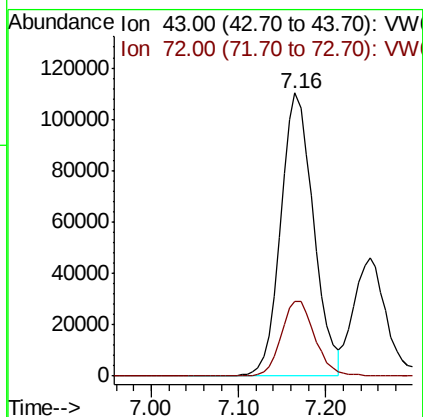
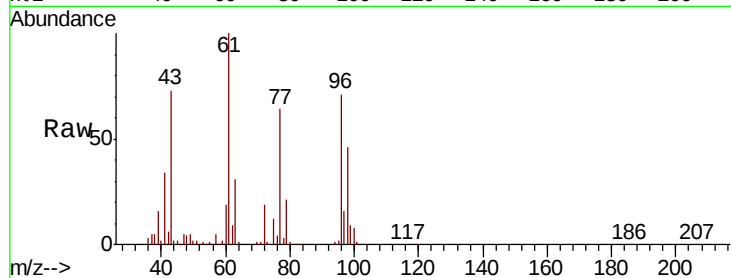




#25
2-Butanone
Concen: 154.268 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

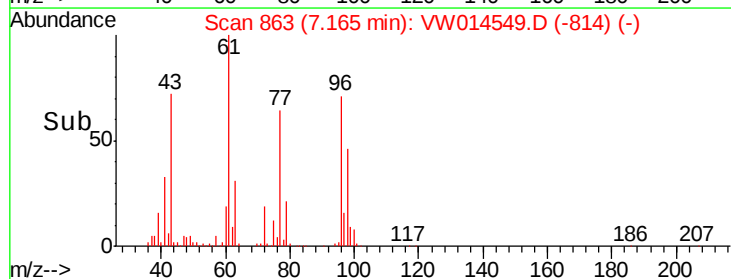
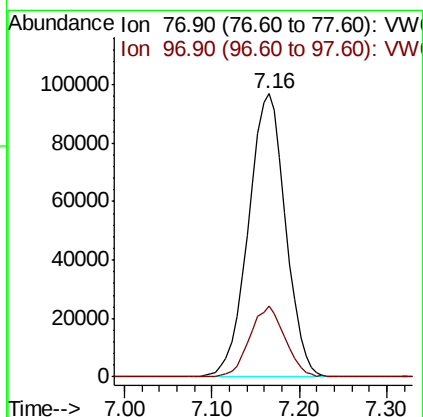
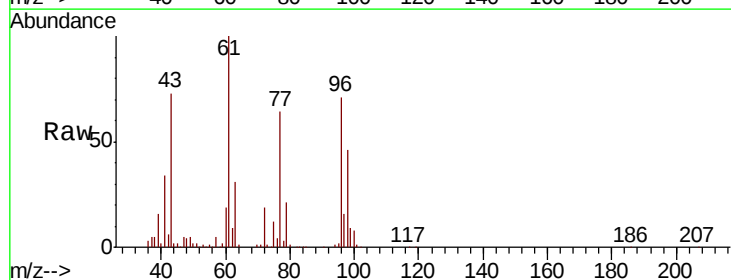
Instrument :
MSVOA_W
ClientSampled :

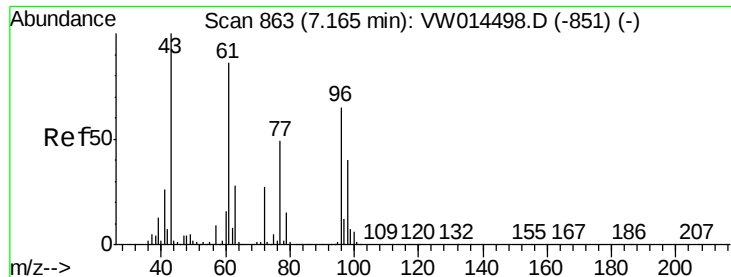
Tot Ion: 43 Resp: 287339
Ion Ratio Lower Upper
43 100
72 26.4 21.9 32.9



#26
2,2-Dichloropropane
Concen: 48.963 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 77 Resp: 286144
Ion Ratio Lower Upper
77 100
97 23.7 12.5 37.5



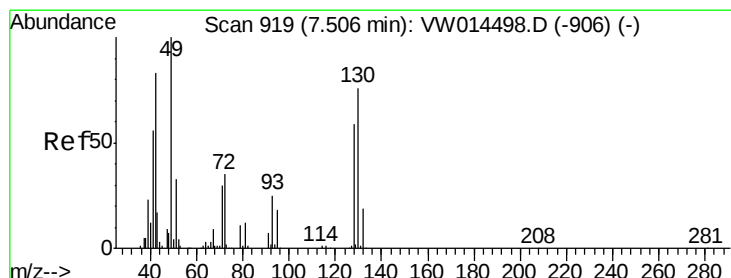
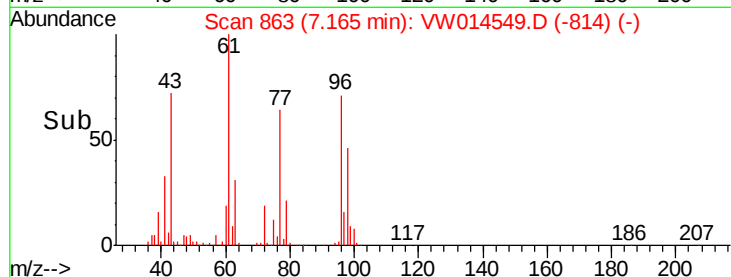
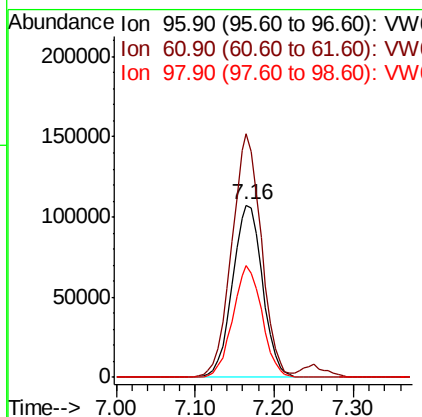
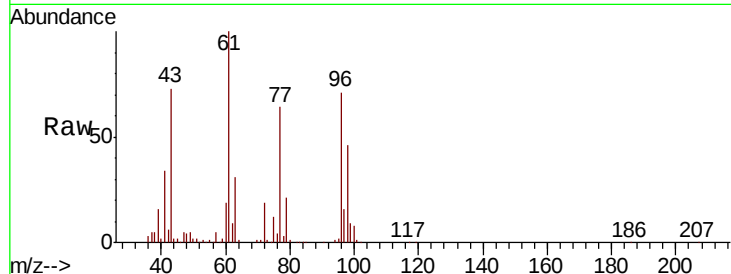


#27

cis-1,2-Dichloroethene
Concen: 43.442 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :

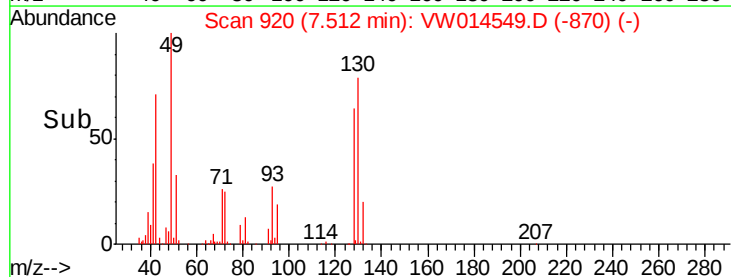
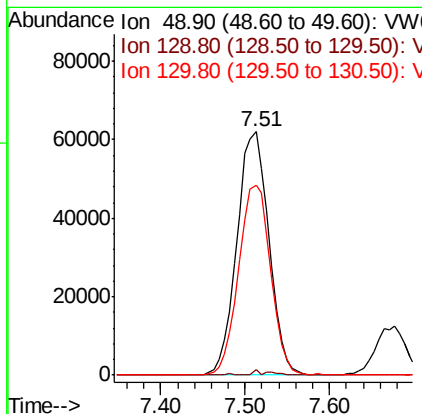
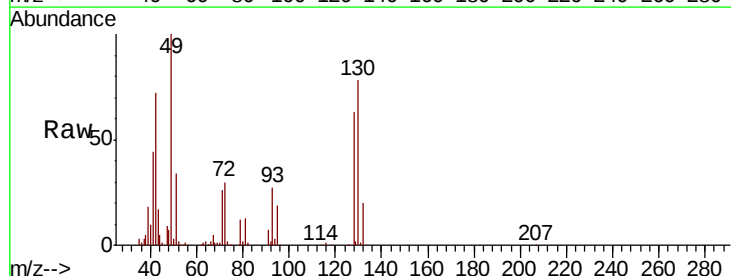
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	274.8
98	63.4	0.0	128.6

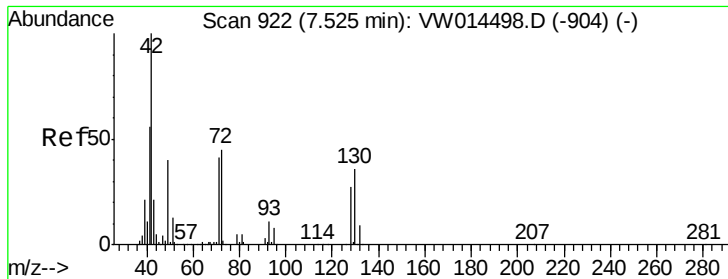


#28

Bromochloromethane
Concen: 38.359 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.0
130	78.3	62.5	93.7

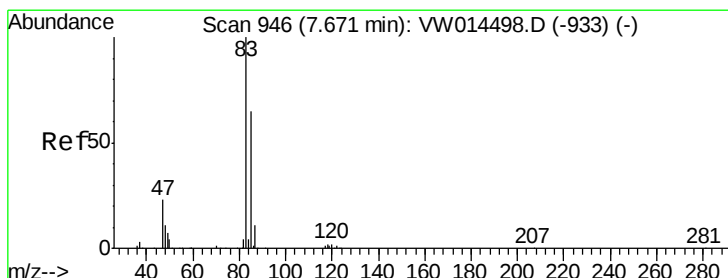
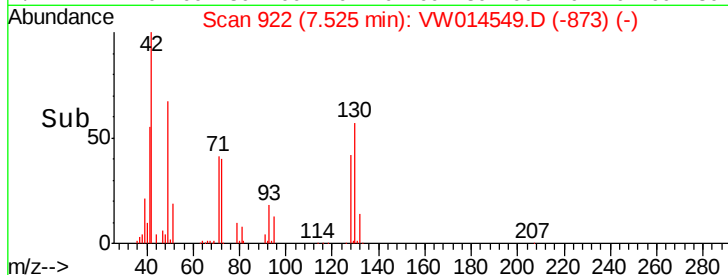
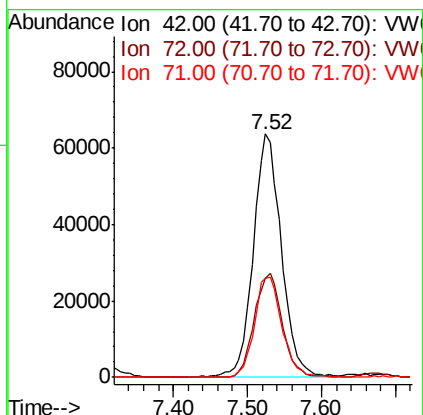
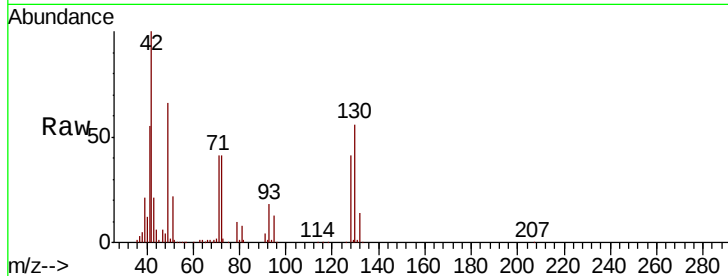




#29
Tetrahydrofuran
Concen: 145.482 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

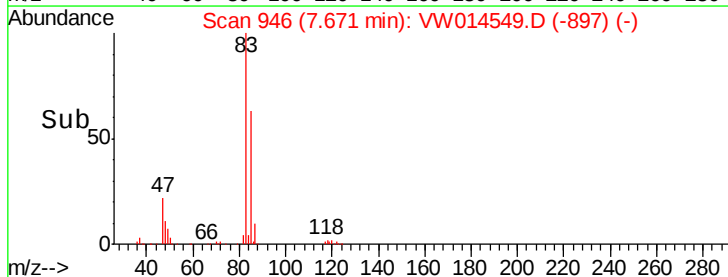
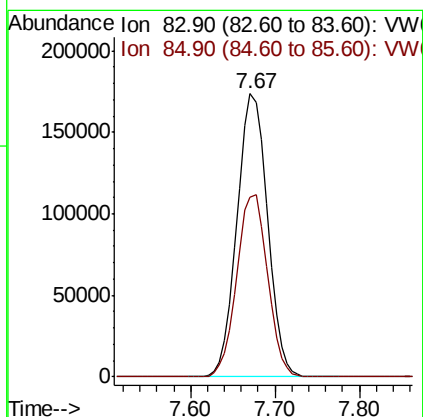
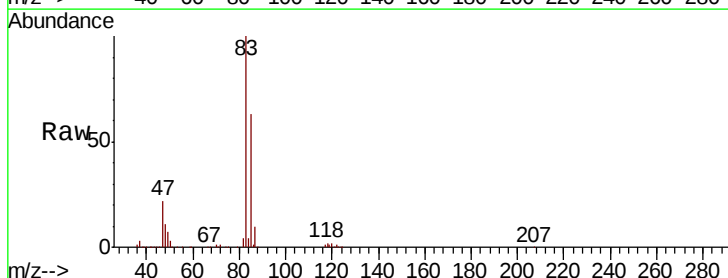
Instrument :
MSVOA_W
ClientSampleId :

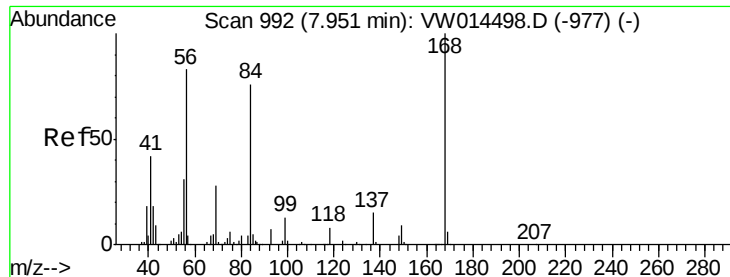
Tot Ion: 42 Resp: 167870
Ion Ratio Lower Upper
42 100
72 42.4 34.5 51.7
71 40.5 32.0 48.0



#30
Chloroform
Concen: 43.085 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 83 Resp: 425291
Ion Ratio Lower Upper
83 100
85 63.3 52.2 78.2

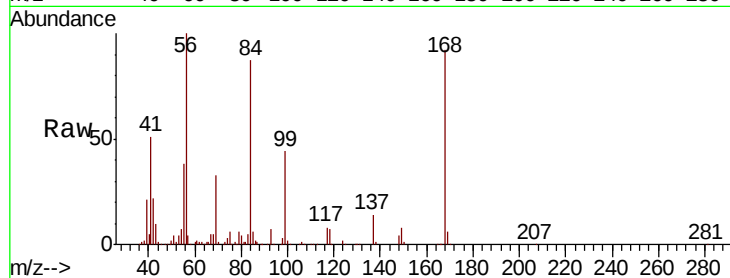




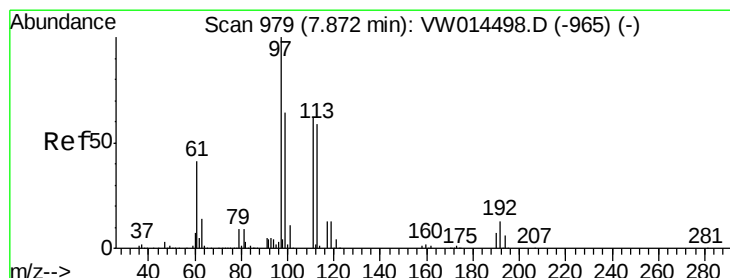
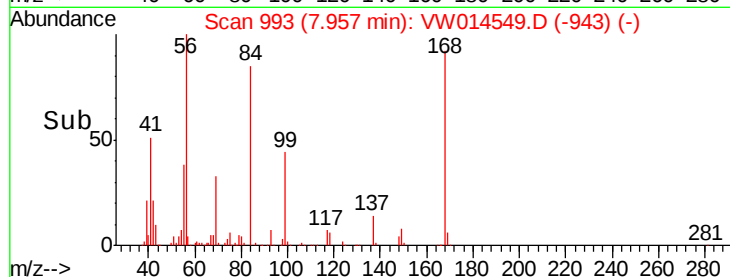
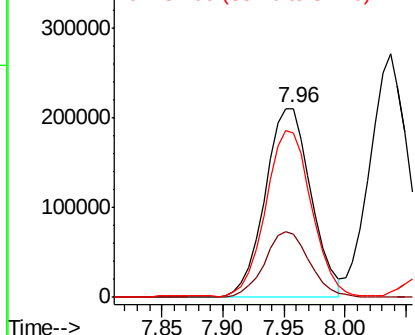
#31
Cyclohexane
Concen: 50.359 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 552434
Ion Ratio Lower Upper
56 100
69 33.2 26.8 40.2
84 85.9 71.8 107.6

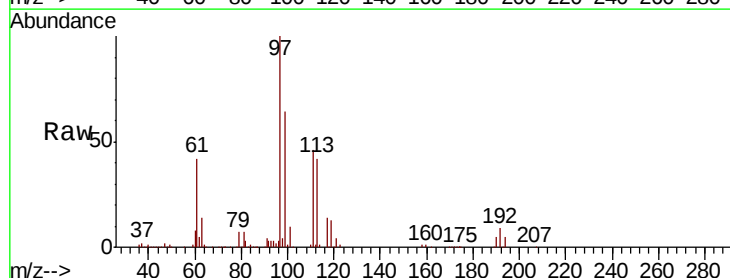


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

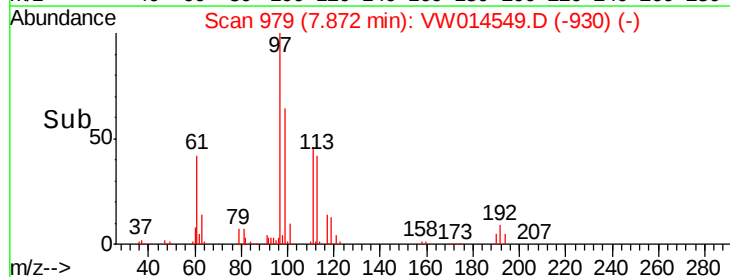
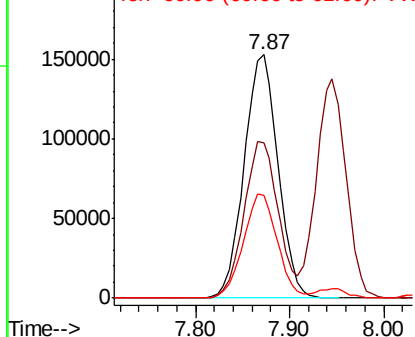


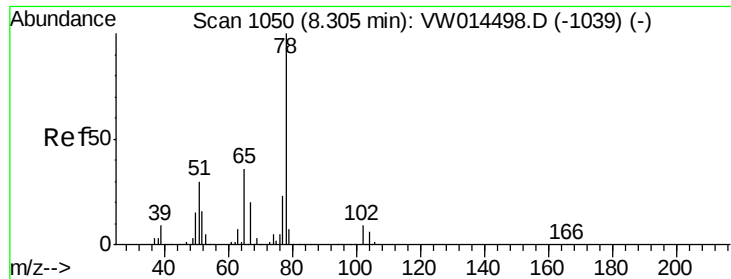
#32
1,1,1-Trichloroethane
Concen: 48.543 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 97 Resp: 385378
Ion Ratio Lower Upper
97 100
99 65.3 51.8 77.6
61 42.7 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

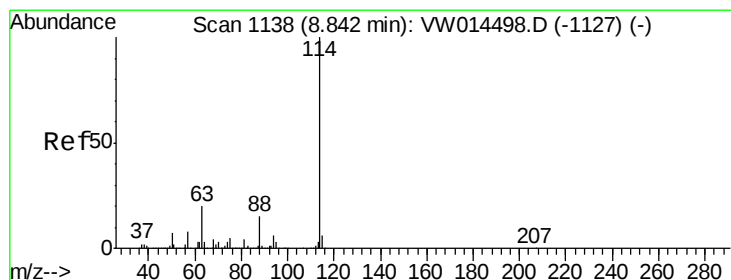
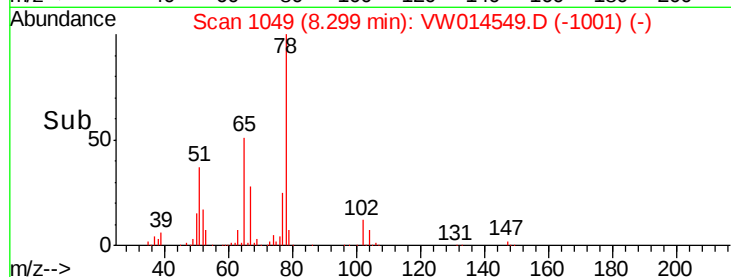
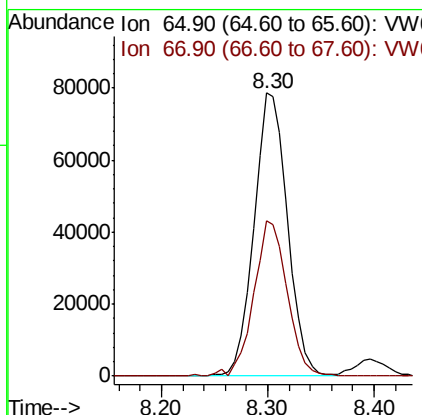
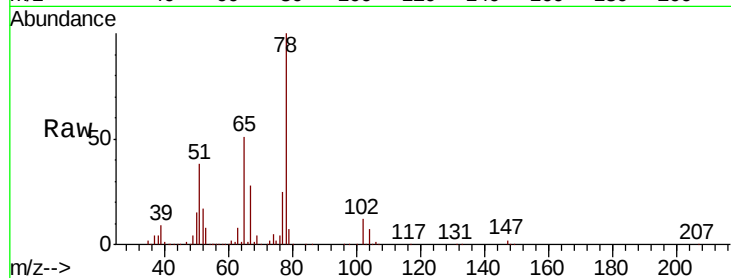




#33
 1,2-Dichloroethane-d4
 Concen: 33.659 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

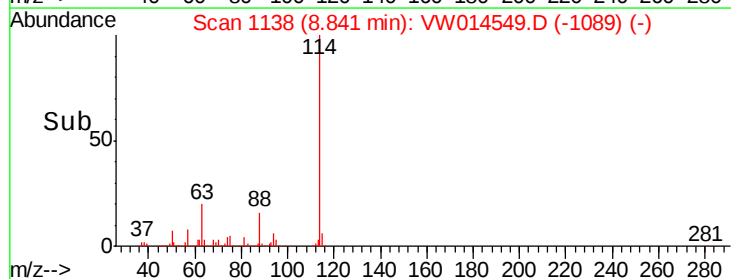
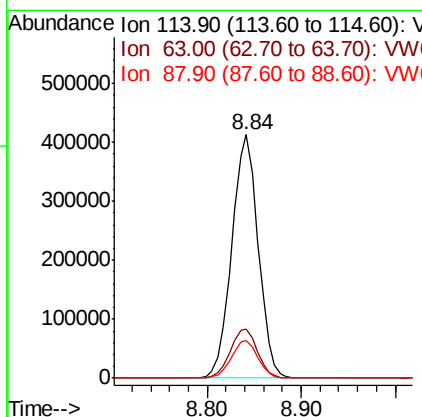
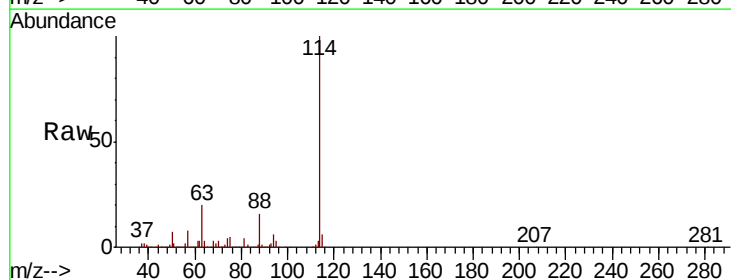
Instrument :
 MSVOA_W
 ClientSampleId :

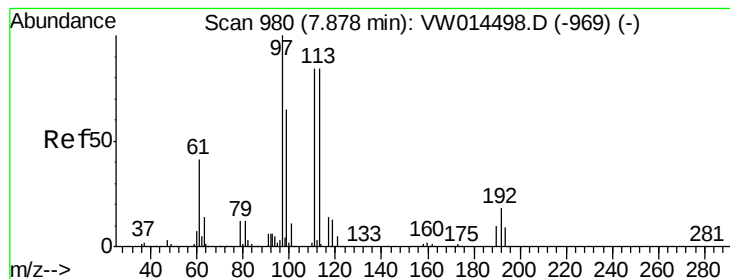
Tot Ion: 65 Resp: 173007
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion: 114 Resp: 802032
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.4
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 41.995 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampled :

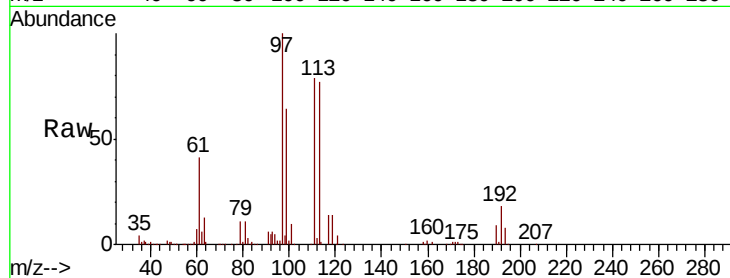
Tot Ion:113 Resp: 192496

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.2

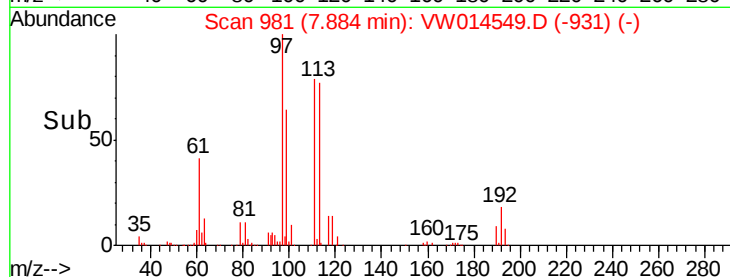
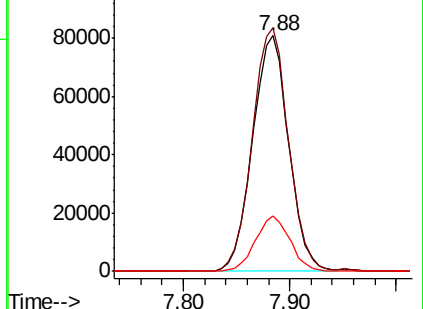
192 22.5 17.8 26.8



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: 54.802 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

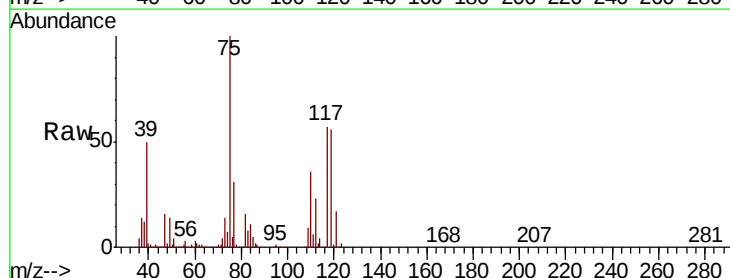
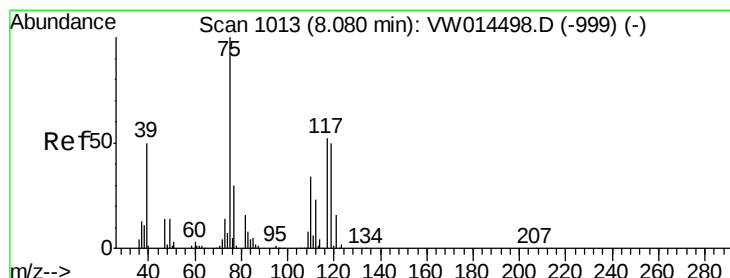
Tgt Ion: 75 Resp: 423731

Ion Ratio Lower Upper

75 100

110 36.0 17.8 53.5

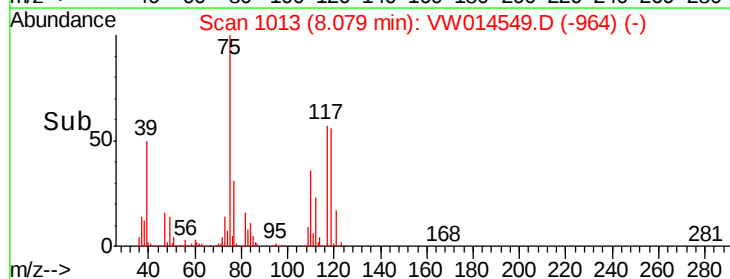
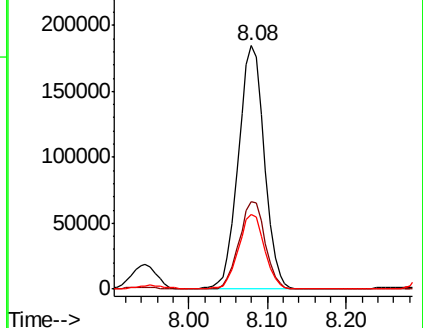
77 31.1 24.7 37.1

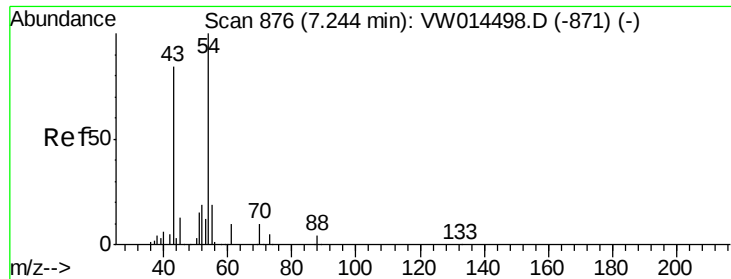


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

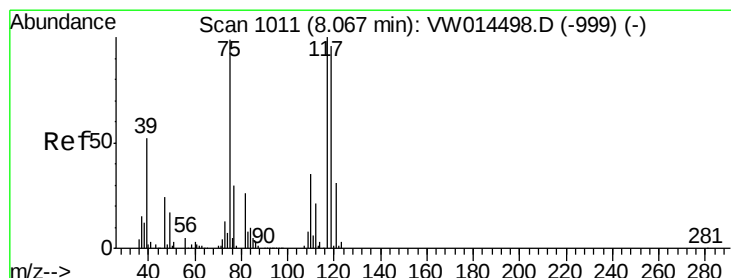
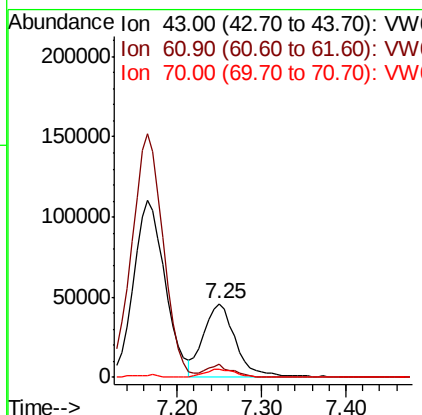
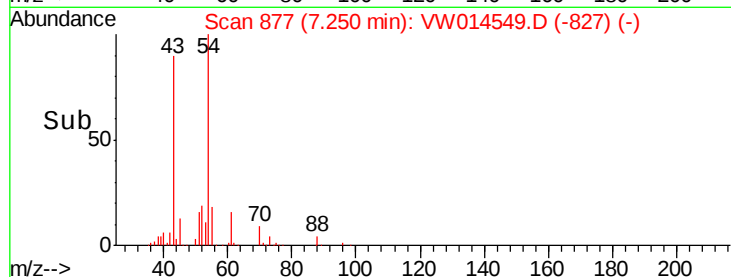
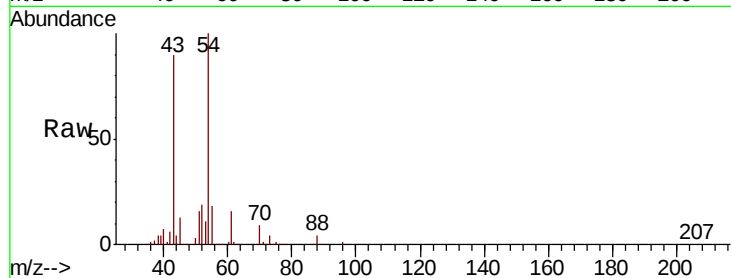




#37
Ethyl Acetate
Concen: 34.253 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

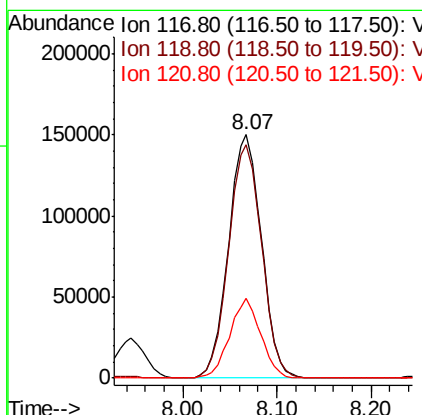
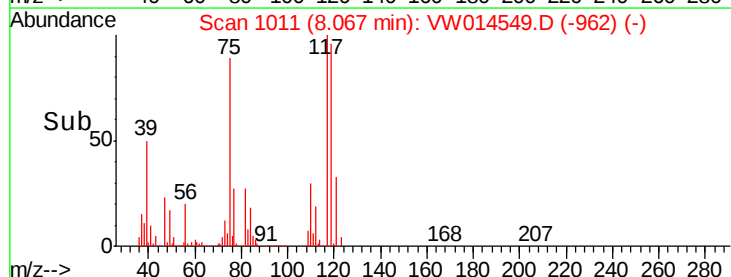
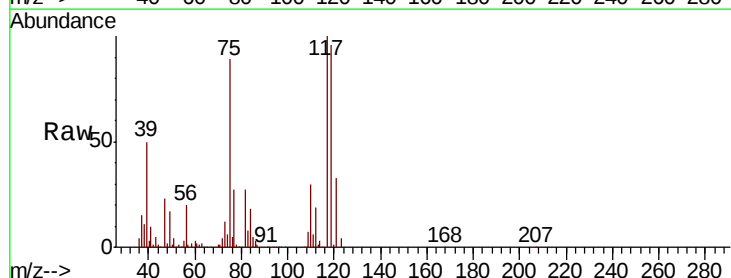
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 120114
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 54.244 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 117 Resp: 363867
Ion Ratio Lower Upper
117 100
119 96.1 77.0 115.6
121 32.5 24.6 36.8

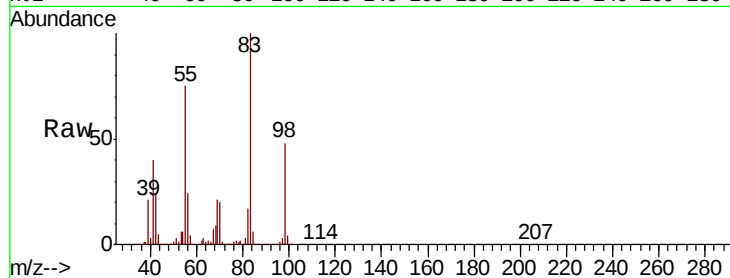




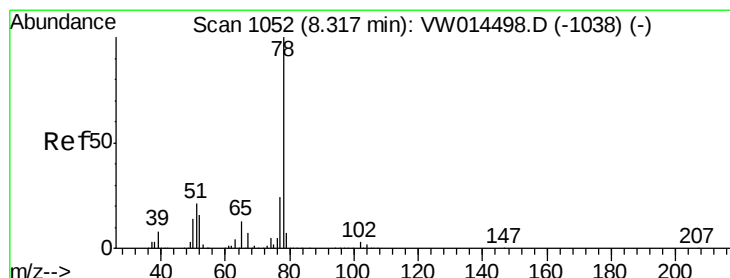
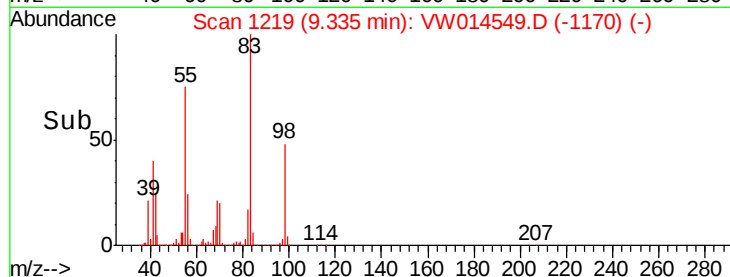
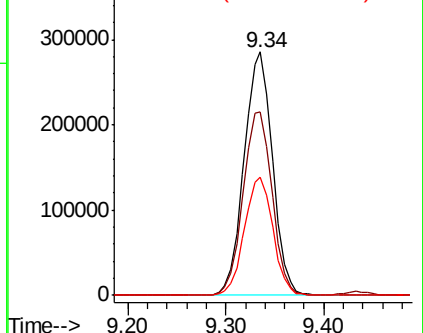
#39
Methvlcvclohexane
Concen: 57.996 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 575468
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 48.4 38.8 58.2

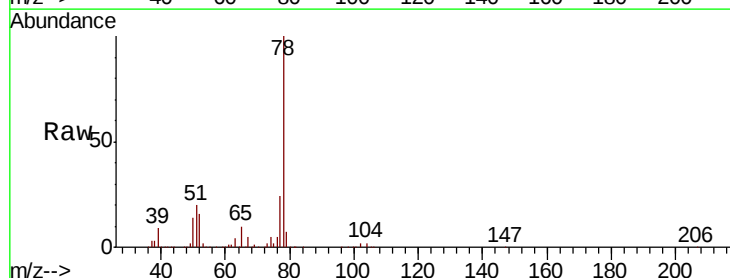


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

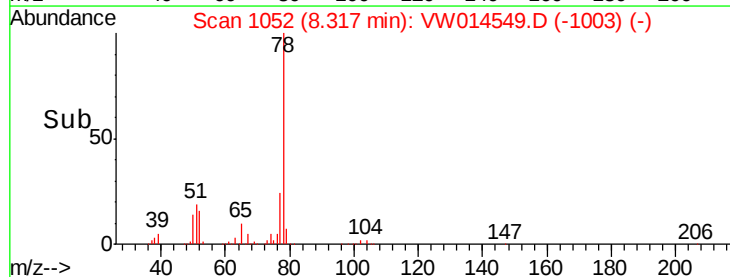
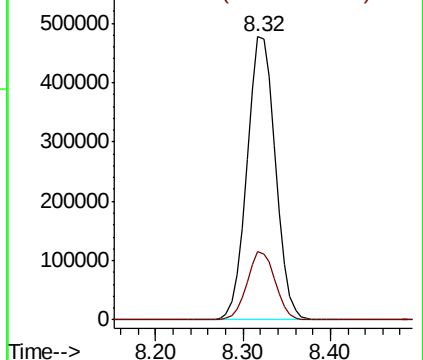


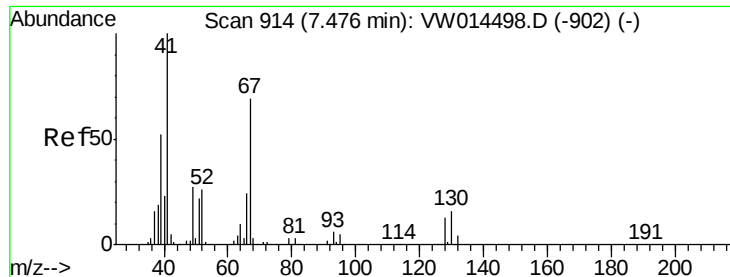
#40
Benzene
Concen: 49.101 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 78 Resp: 1074162
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

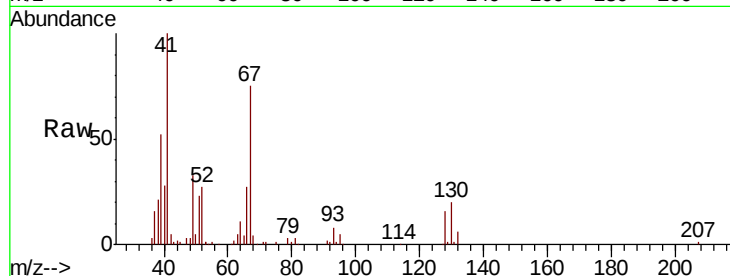




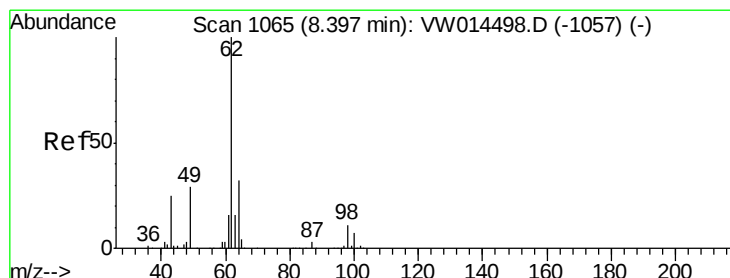
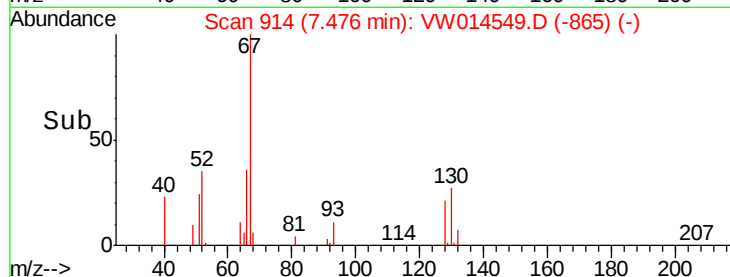
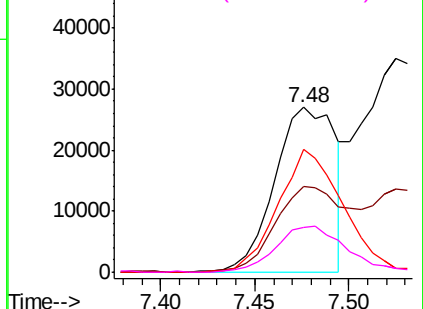
#41
Methacrylonitrile
Concen: 30.814 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	60233
Ion	Ratio	Lower	Upper
41	100		
39	63.7	46.0	69.0
67	81.2	60.8	91.2
52	32.9	23.7	35.5

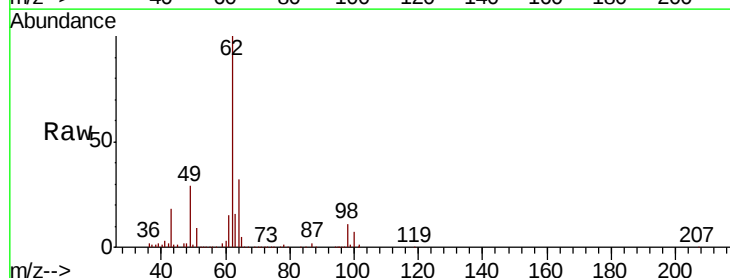


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

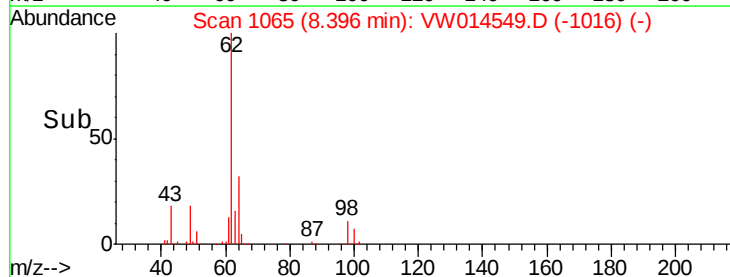
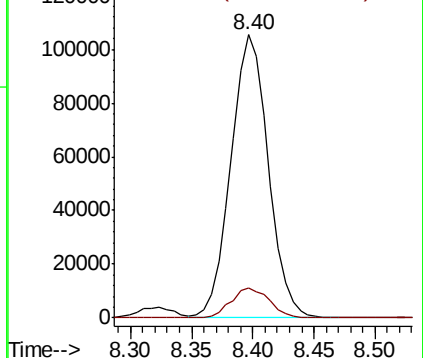


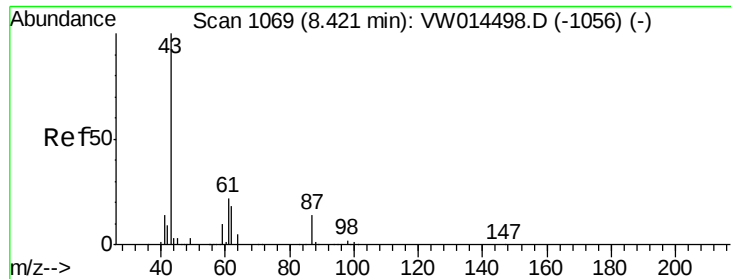
#42
1,2-Dichloroethane
Concen: 39.157 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:	62	Resp:	222301
Ion	Ratio	Lower	Upper
62	100		
98	11.0	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: 35.047 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampled :

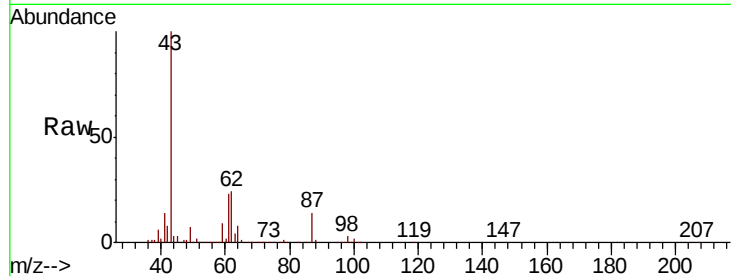
Tot Ion: 43 Resp: 223170

Ion Ratio Lower Upper

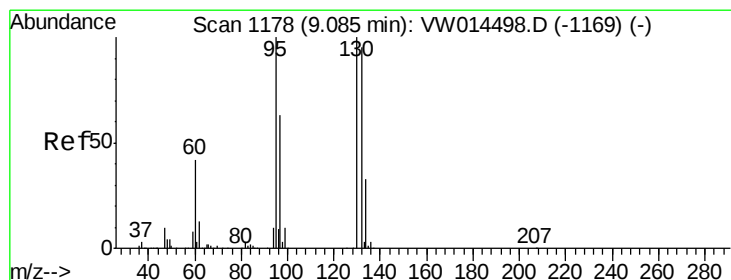
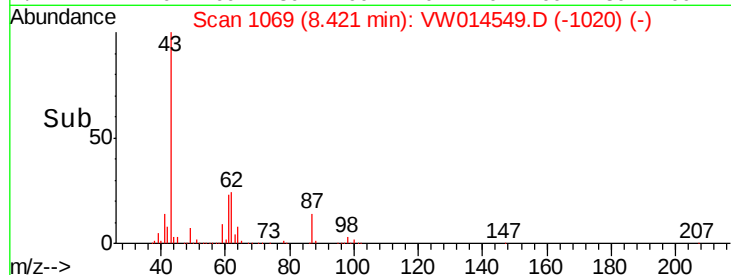
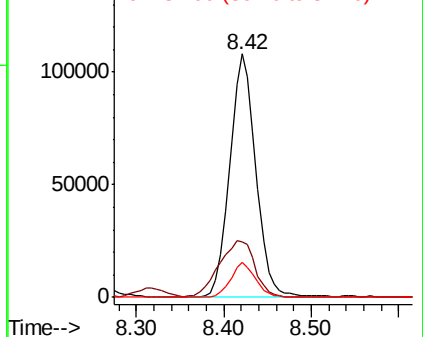
43 100

61 31.6 24.7 37.1

87 13.6 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: 51.452 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014549.D

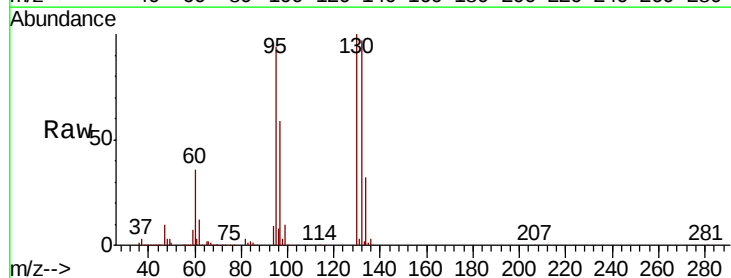
Acq: 07 Jan 2020 16:55

Tgt Ion:130 Resp: 304576

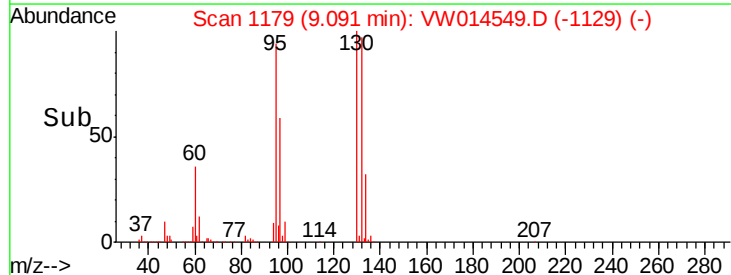
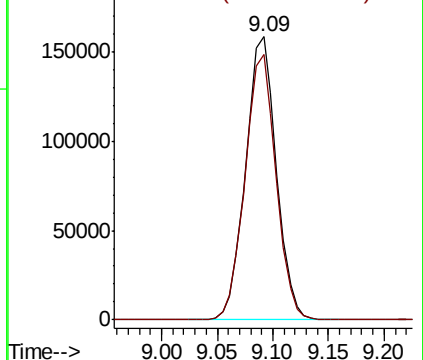
Ion Ratio Lower Upper

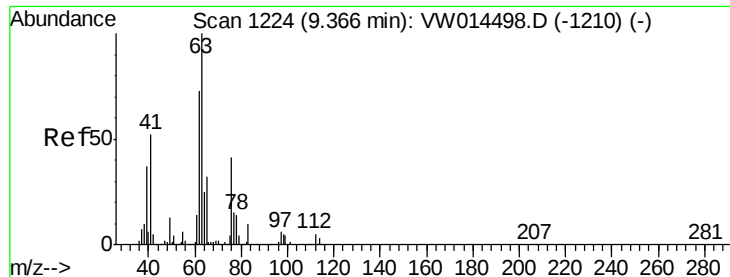
130 100

95 93.7 0.0 199.4



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

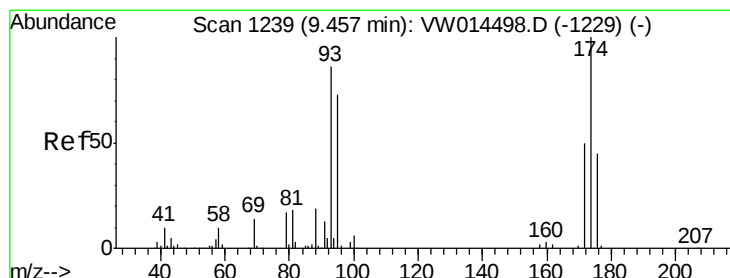
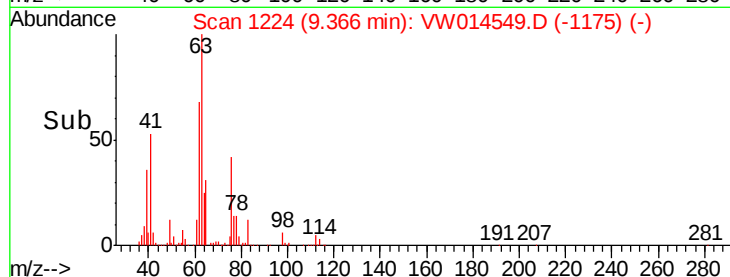
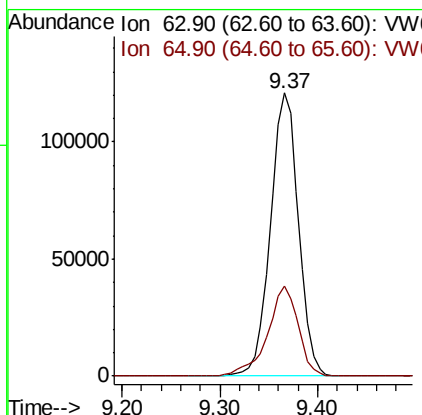
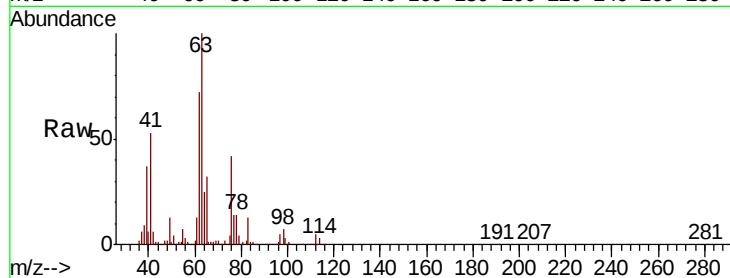




#45
 1,2-Dichloropropane
 Concen: 44.908 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

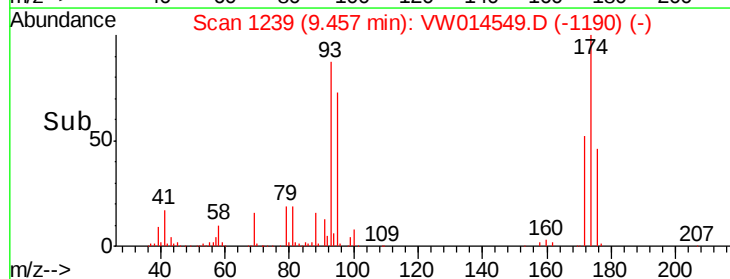
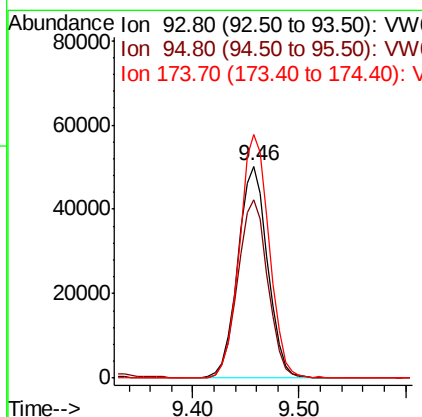
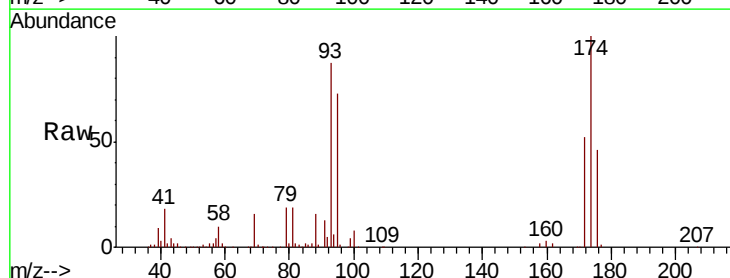
Instrument :
 MSVOA_W
 ClientSampled :

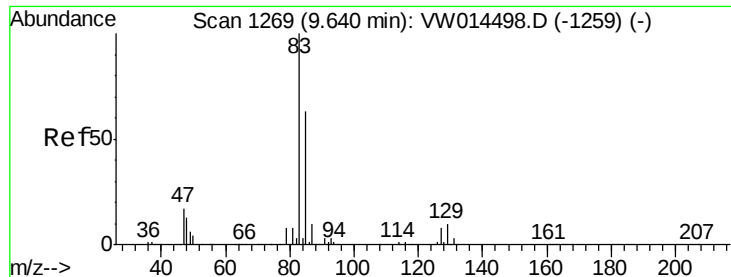
Tot Ion: 63 Resp: 241077
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.6 38.4



#46
 Dibromomethane
 Concen: 37.361 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion: 93 Resp: 99012
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.4 99.6
 174 114.0 89.1 133.7





#47

Bromodichloromethane

Concen: 42.856 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

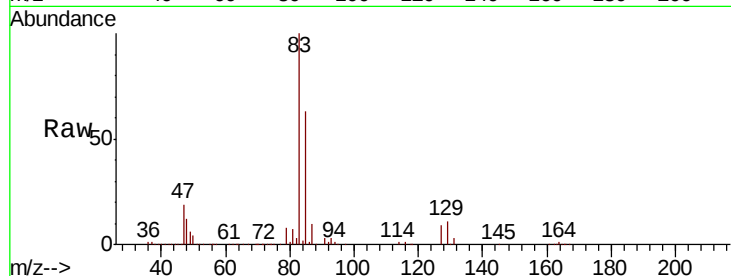
Tot Ion: 83 Resp: 280401

Ion Ratio Lower Upper

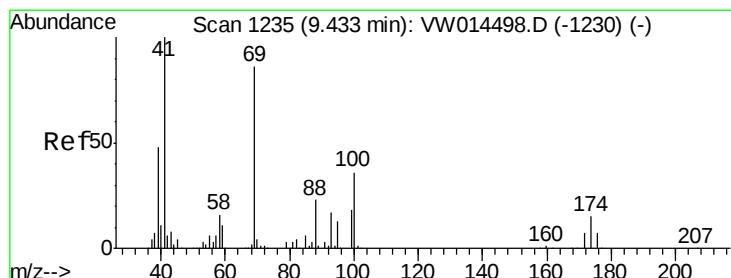
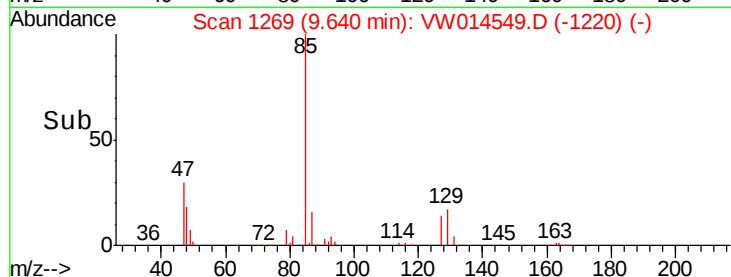
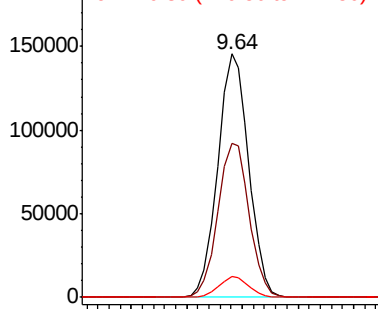
83 100

85 63.4 50.6 76.0

127 8.7 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: 34.806 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

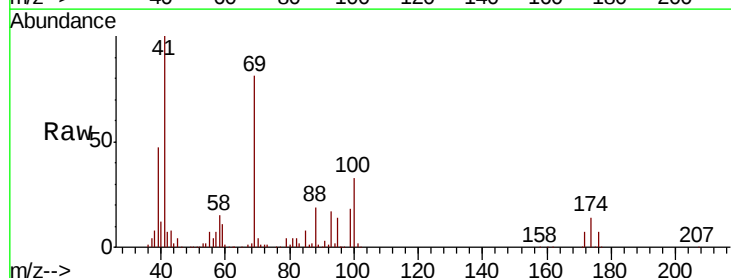
Tgt Ion: 41 Resp: 108212

Ion Ratio Lower Upper

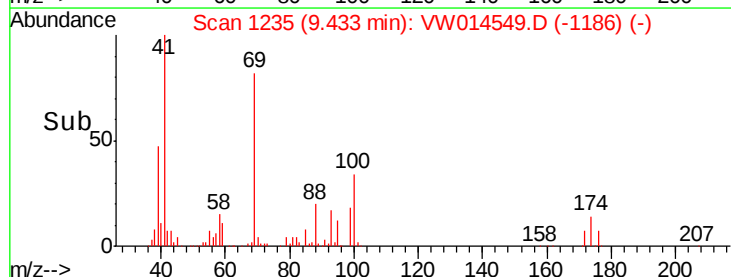
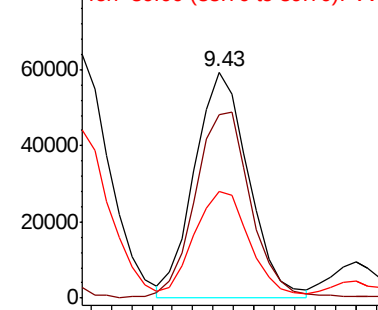
41 100

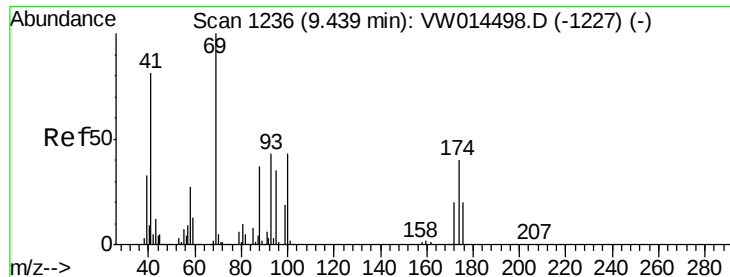
69 84.8 68.3 102.5

39 45.2 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: 631.146 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :

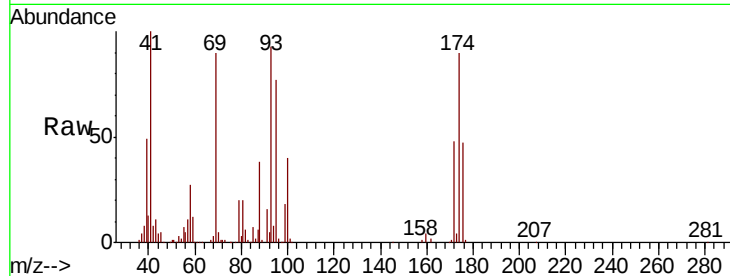
Tot Ion: 88 Resp: 31284

Ion Ratio Lower Upper

88 100

43 29.0 24.9 37.3

58 70.1 56.9 85.3

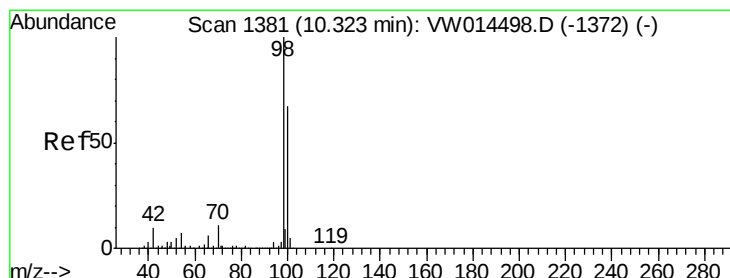
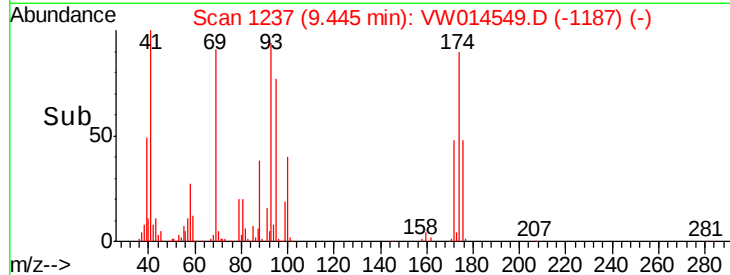
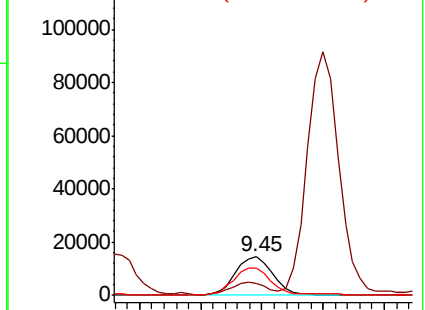


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 45.553 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014549.D

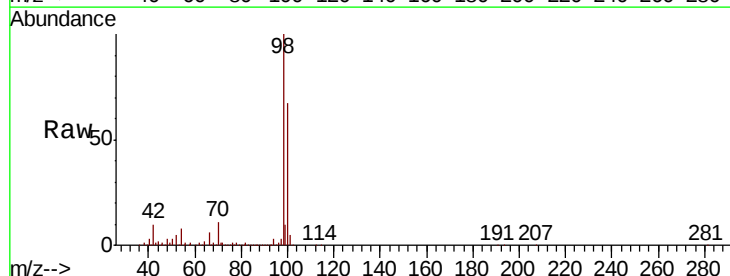
Acq: 07 Jan 2020 16:55

Tgt Ion: 98 Resp: 871385

Ion Ratio Lower Upper

98 100

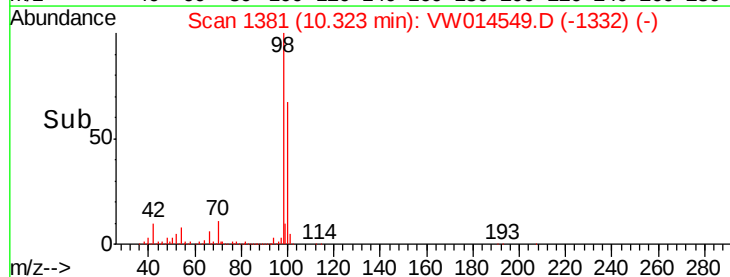
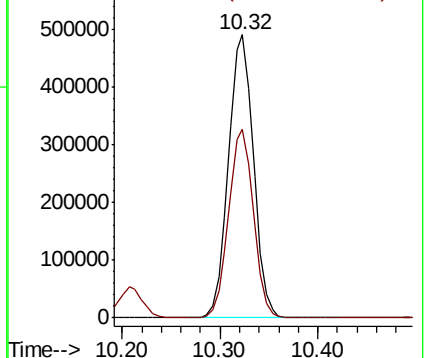
100 66.0 53.8 80.6

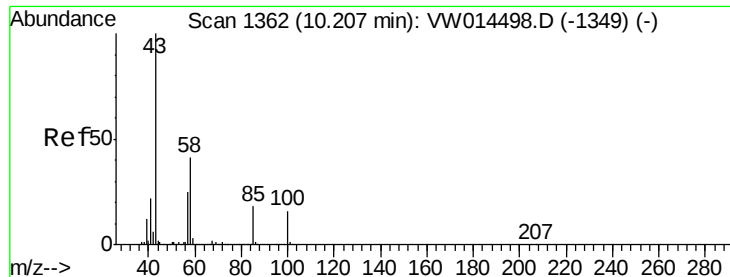


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 171.702 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

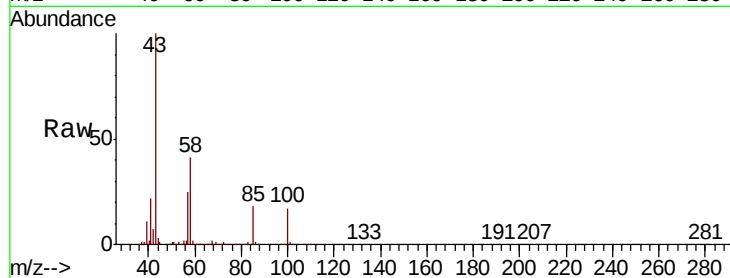
ClientSampled :

Tot Ion: 43 Resp: 567784

Ion Ratio Lower Upper

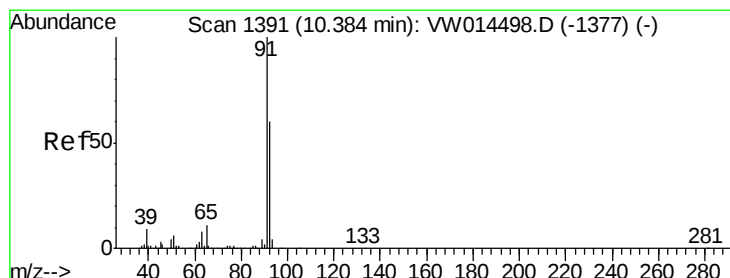
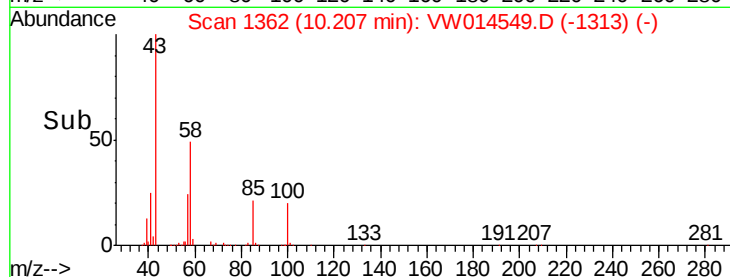
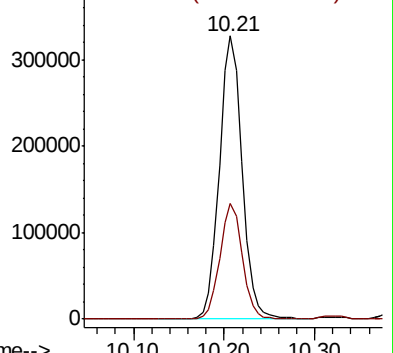
43 100

58 40.6 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.045 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014549.D

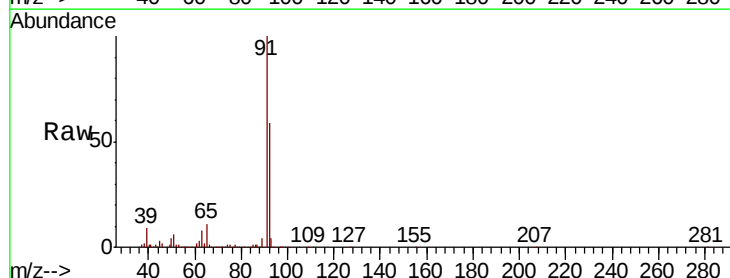
Acq: 07 Jan 2020 16:55

Tgt Ion: 92 Resp: 674999

Ion Ratio Lower Upper

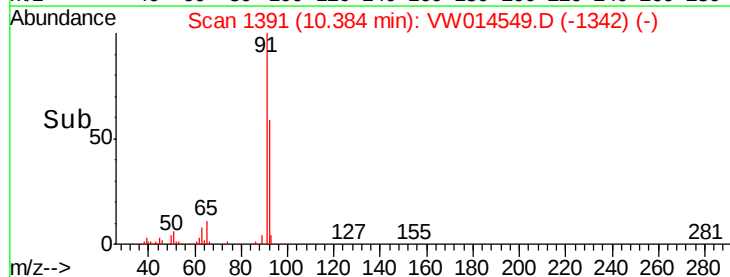
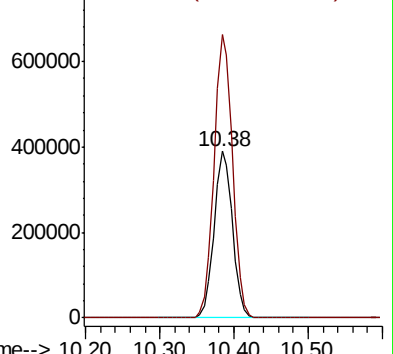
92 100

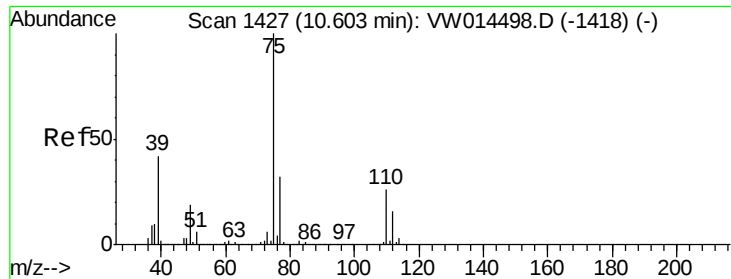
91 171.0 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 38.865 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

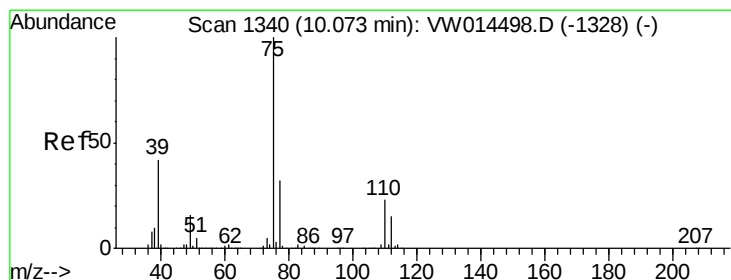
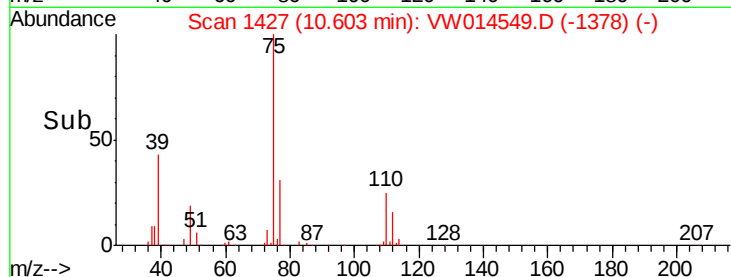
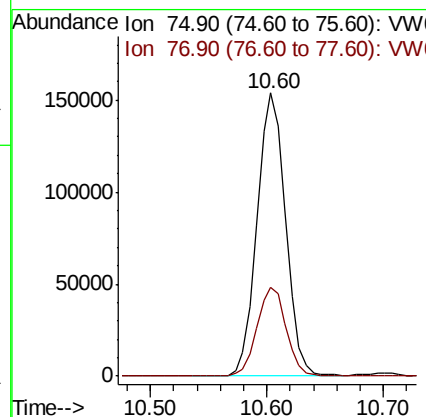
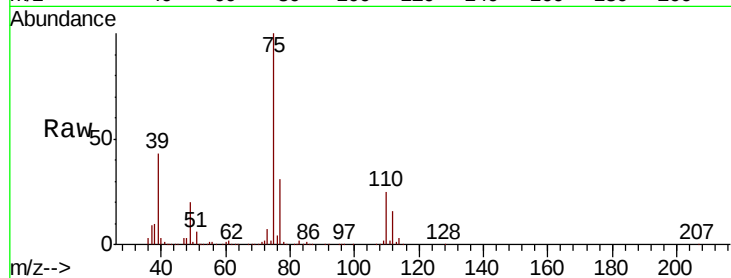
ClientSampleId :

Tot Ion: 75 Resp: 263285

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 42.619 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

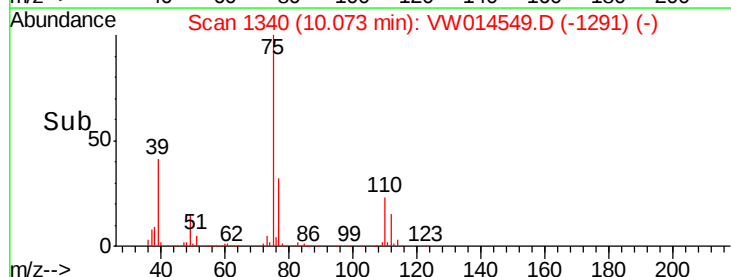
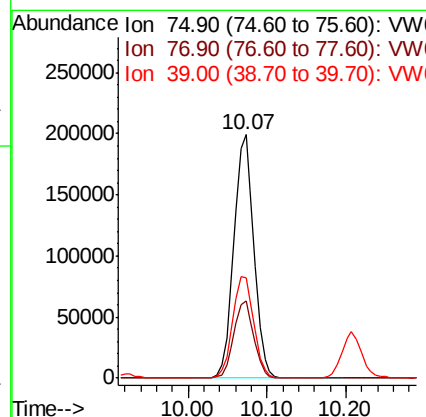
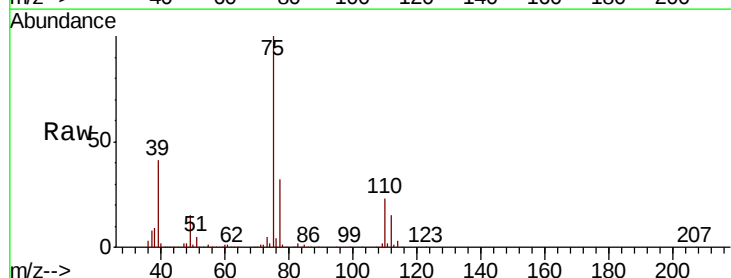
Tgt Ion: 75 Resp: 352865

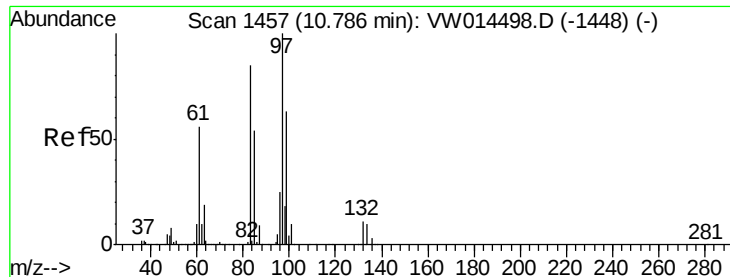
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 40.8 33.4 50.2

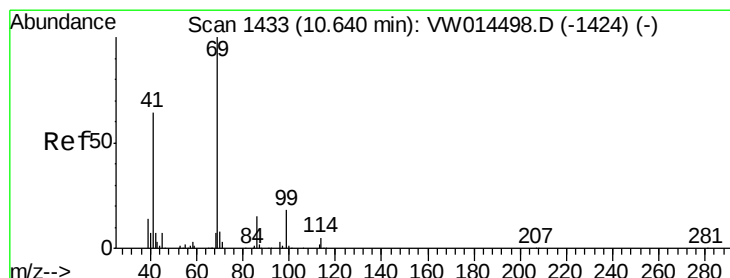
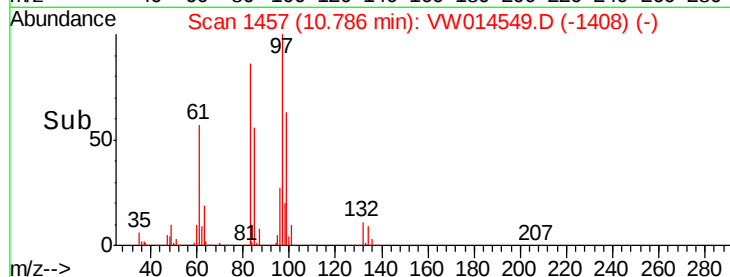
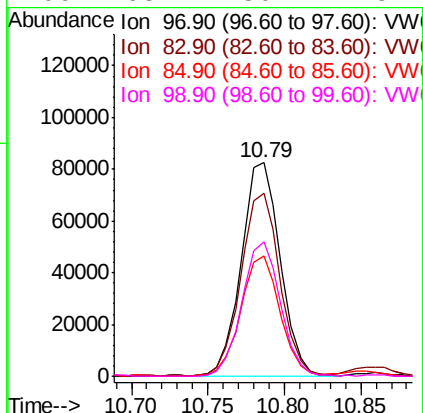
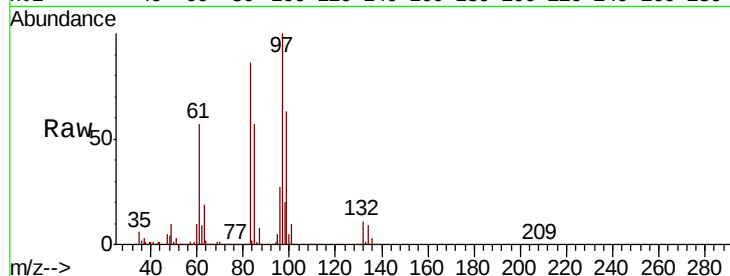




#55
 1,1,2-Trichloroethane
 Concen: 37.494 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

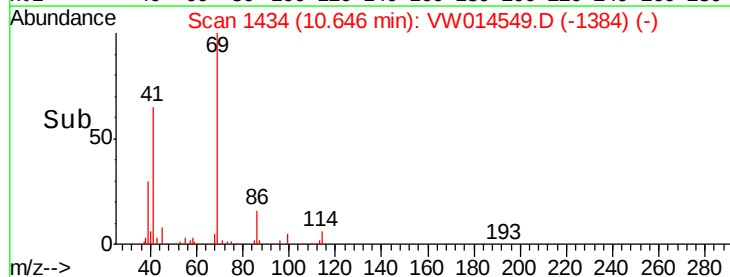
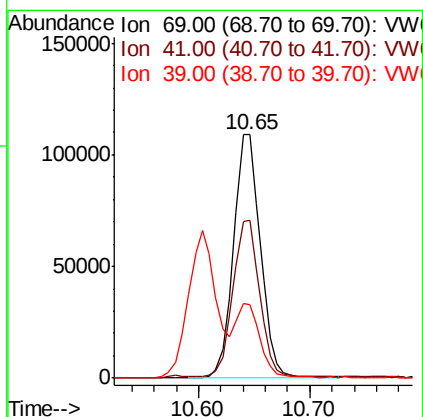
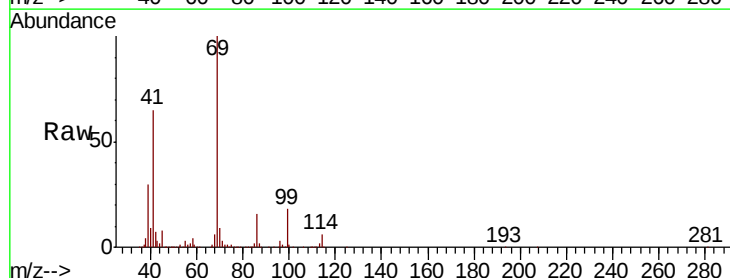
Instrument :
 MSVOA_W
 ClientSampleId :

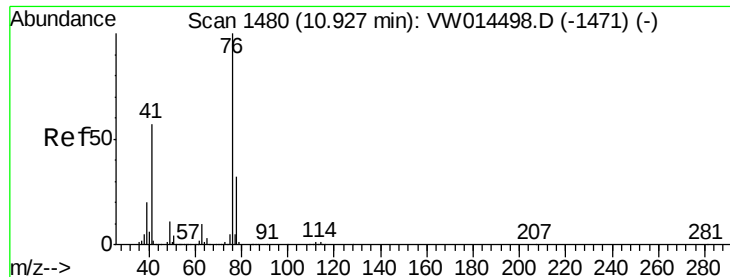
Tot Ion:	97	Resp:	145121
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.2	102.4
85	56.5	43.0	64.4
99	63.1	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 36.329 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion:	69	Resp:	182739
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.3	76.9
39	26.6	21.0	31.6





#57

1,3-Dichloropropane

Concen: 38.185 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

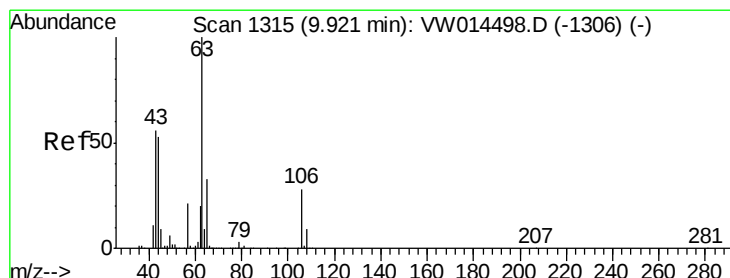
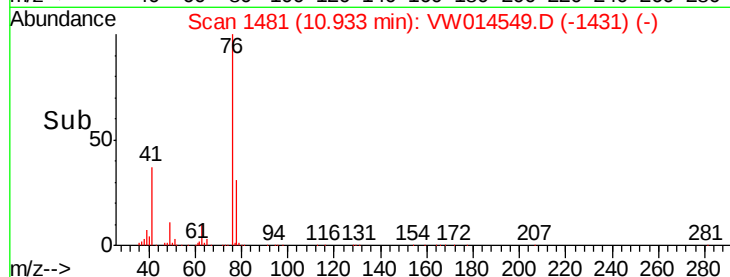
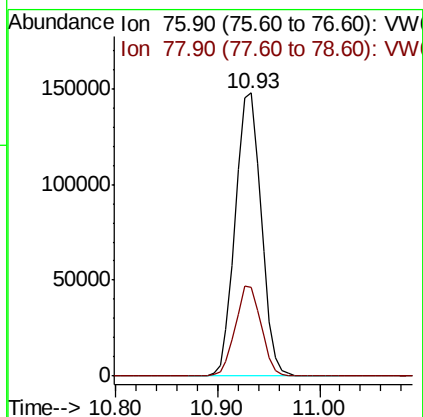
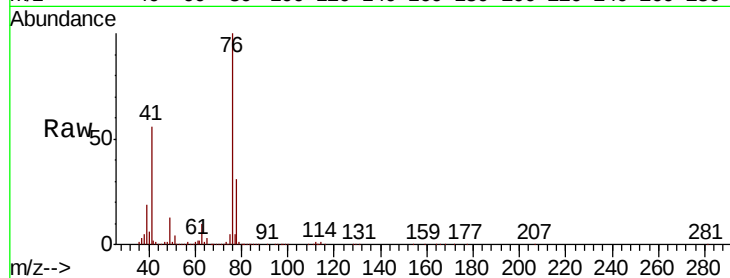
ClientSampleId :

Tot Ion: 76 Resp: 259752

Ion Ratio Lower Upper

76 100

78 31.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 181.831 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014549.D

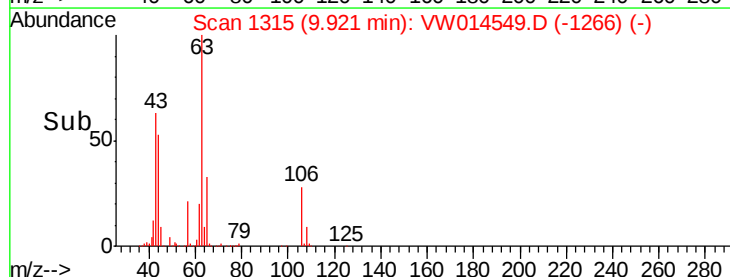
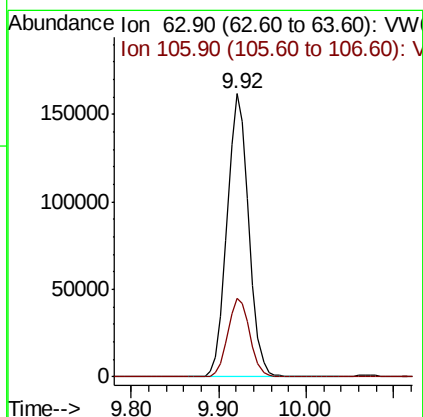
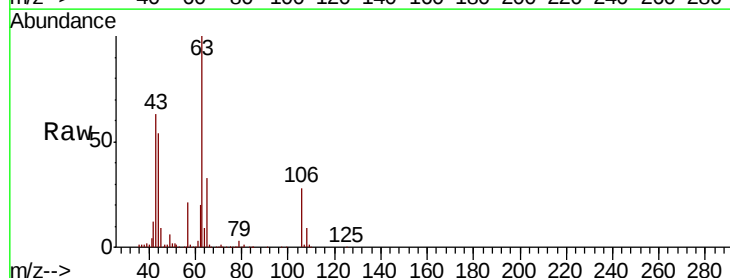
Acq: 07 Jan 2020 16:55

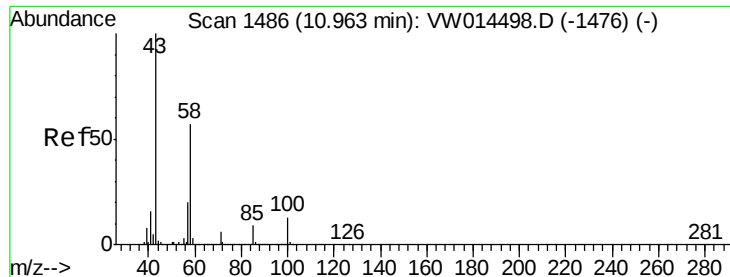
Tgt Ion: 63 Resp: 278167

Ion Ratio Lower Upper

63 100

106 28.1 23.0 34.6

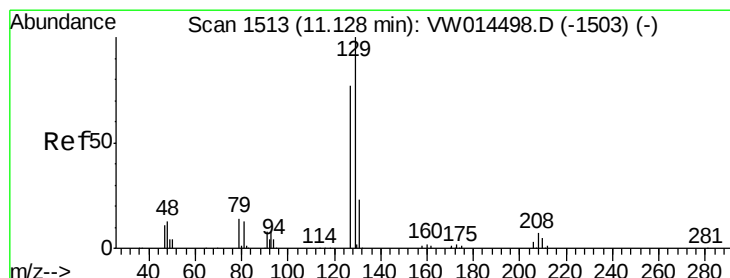
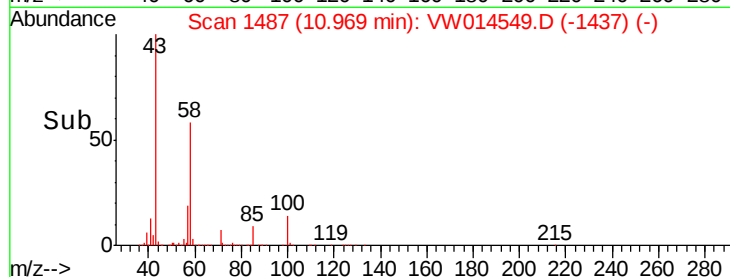
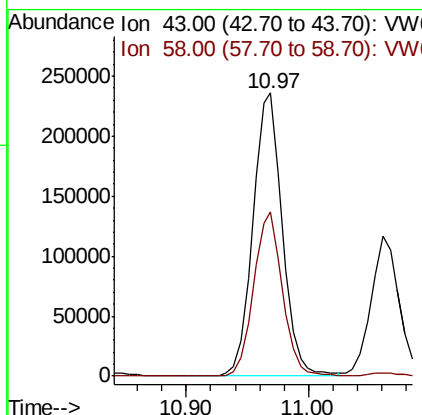
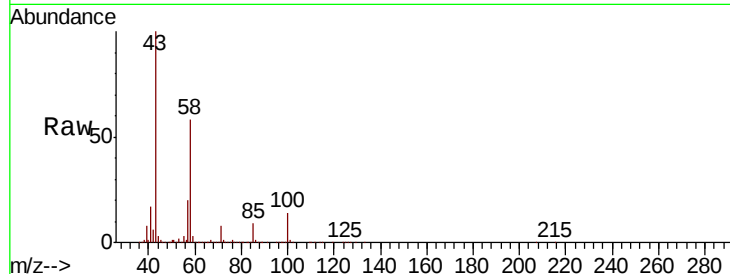




#59
2-Hexanone
Concen: 172.829 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

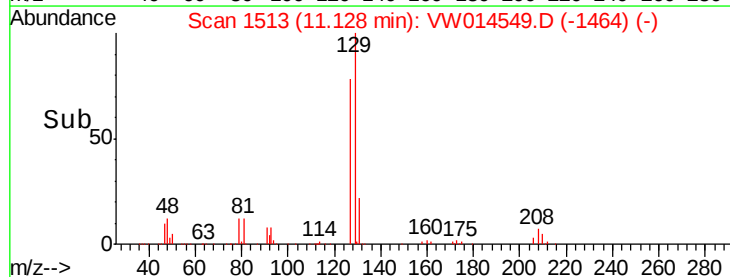
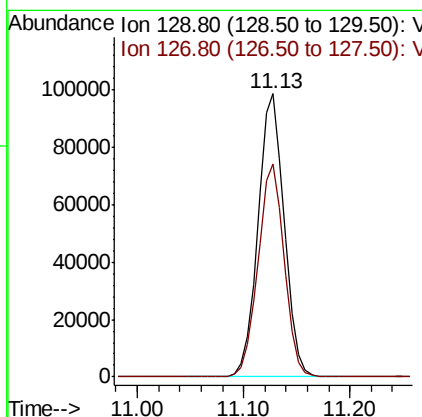
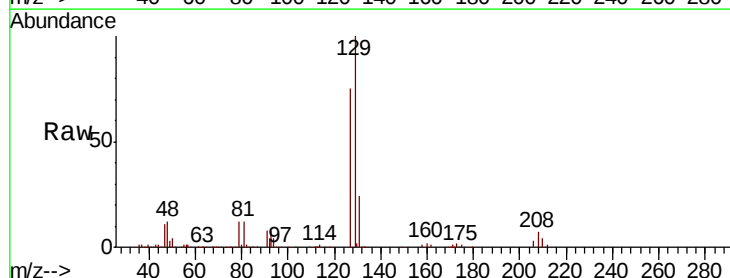
Instrument :
MSVOA_W
ClientSampled :

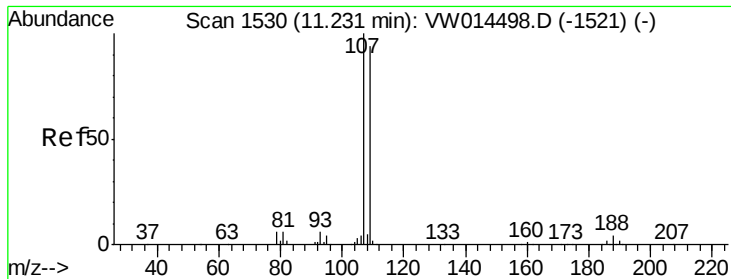
Tot Ion: 43 Resp: 393820
Ion Ratio Lower Upper
43 100
58 57.0 28.7 86.3



#60
Dibromochloromethane
Concen: 38.999 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion: 129 Resp: 170310
Ion Ratio Lower Upper
129 100
127 75.3 38.1 114.5

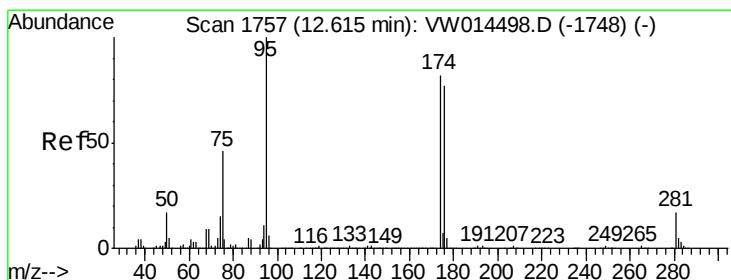
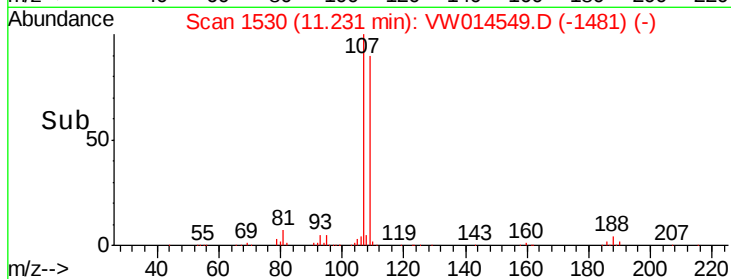
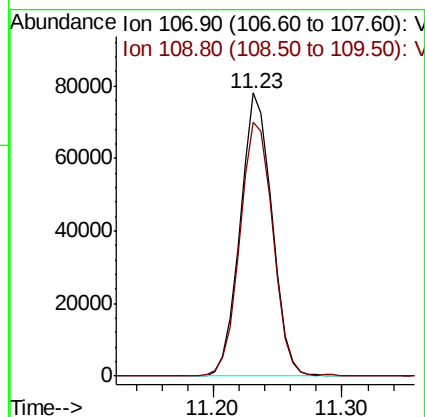
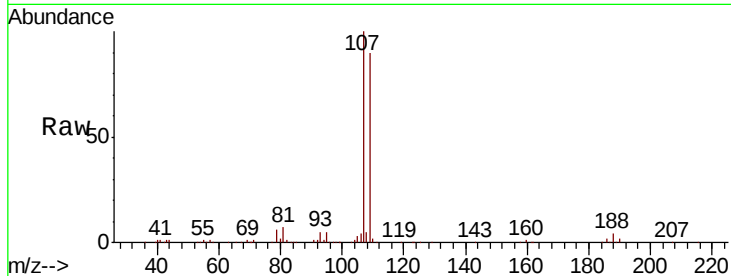




#61
 1,2-Dibromoethane
 Concen: 36.212 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

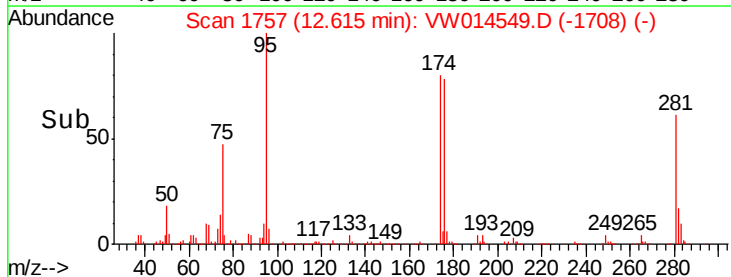
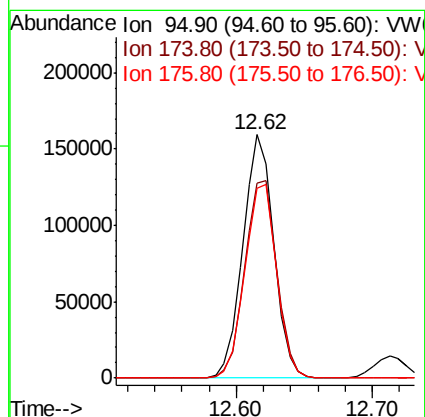
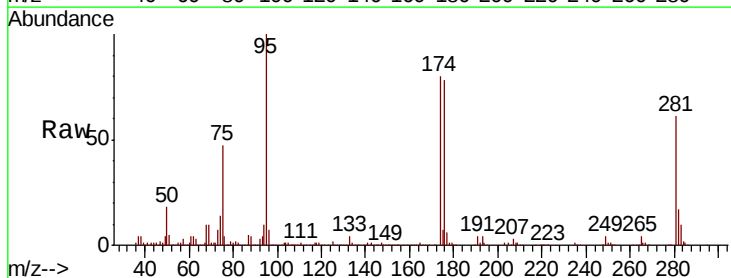
Instrument :
 MSVOA_W
 ClientSampleId :

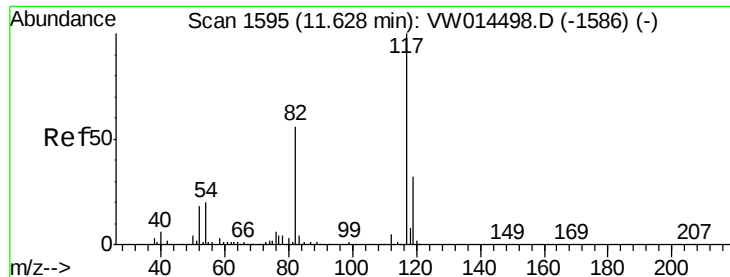
Tot Ion:107 Resp: 133043
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 39.009 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion: 95 Resp: 253105
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 168.6
 176 82.3 0.0 162.0

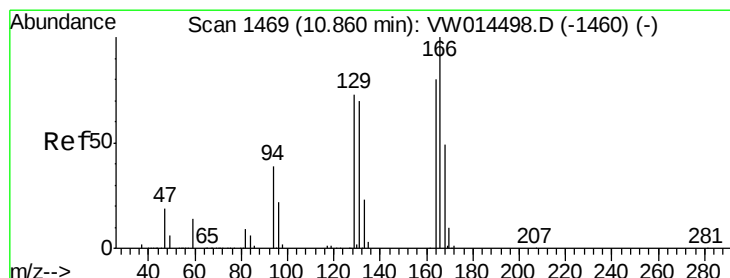
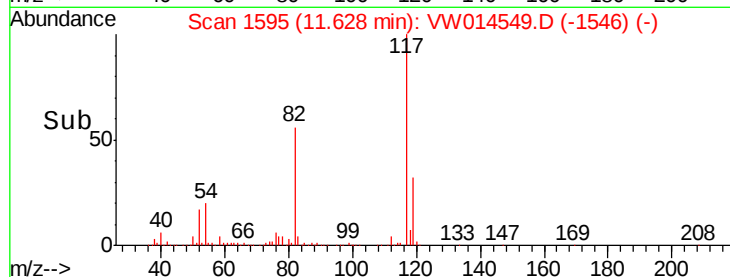
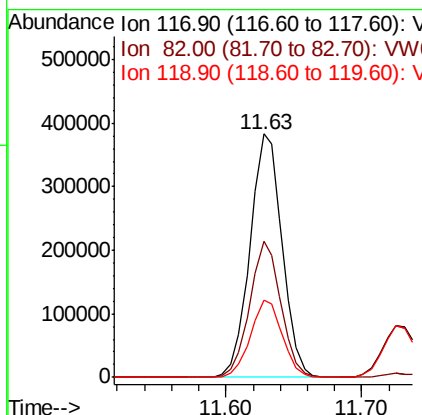
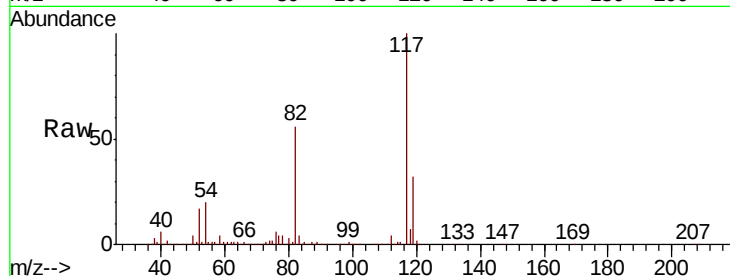




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

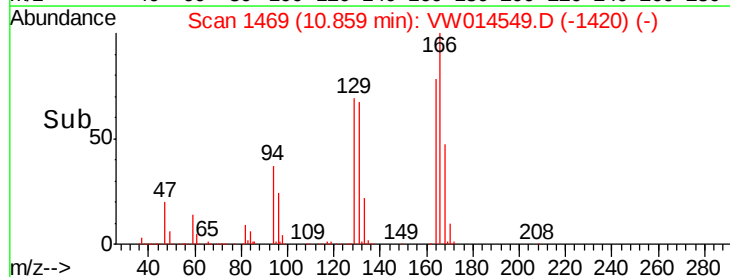
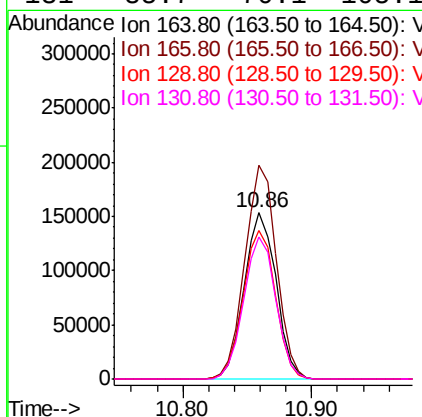
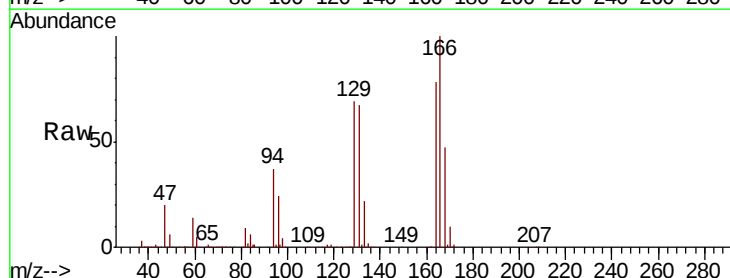
Instrument :
MSVOA_W
ClientSampled :

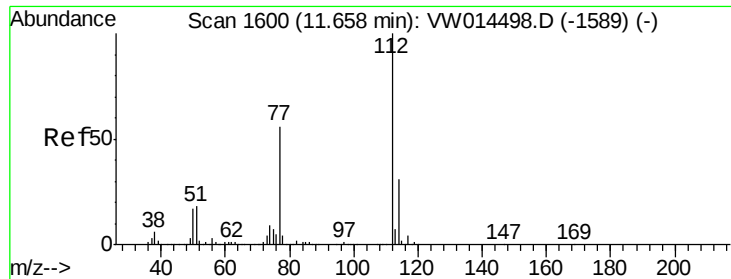
Tot Ion:117 Resp: 634305
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 56.913 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:164 Resp: 261351
Ion Ratio Lower Upper
164 100
166 128.7 99.8 149.6
129 89.3 72.4 108.6
131 85.7 70.1 105.1

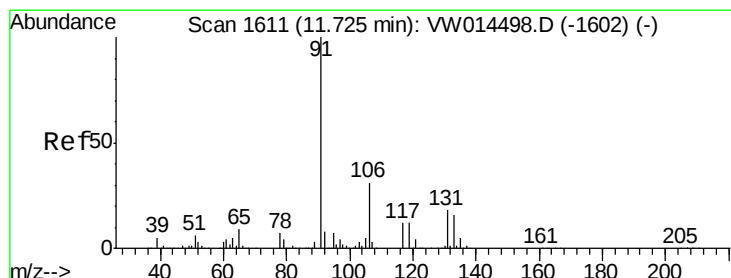
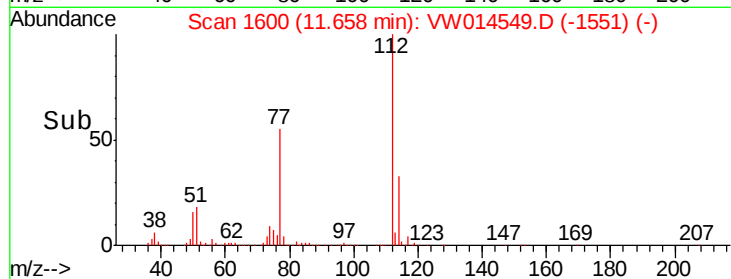
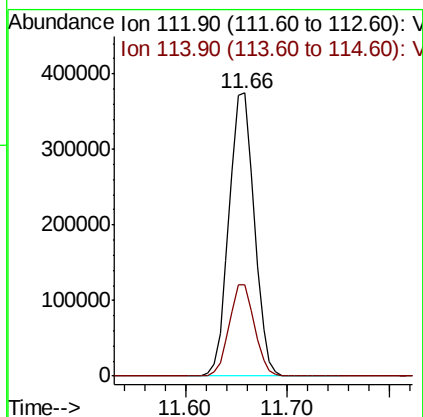
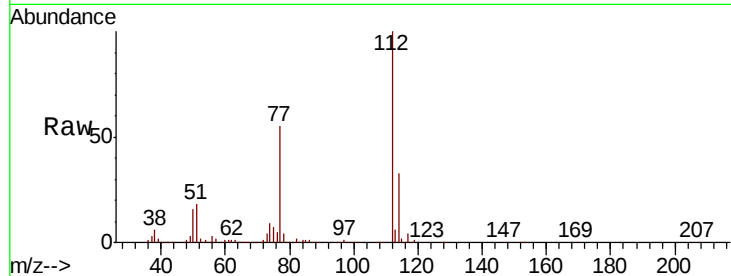




#65
Chlorobenzene
Concen: 49.436 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

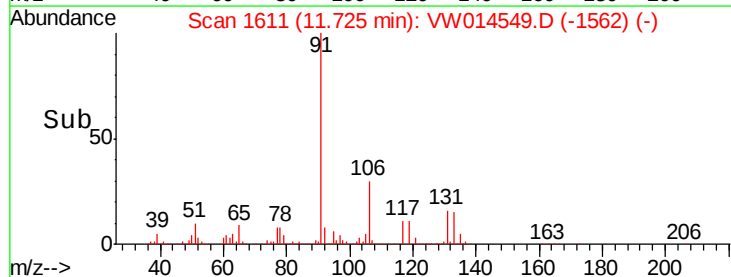
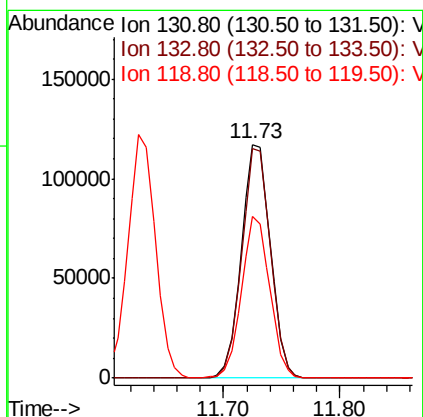
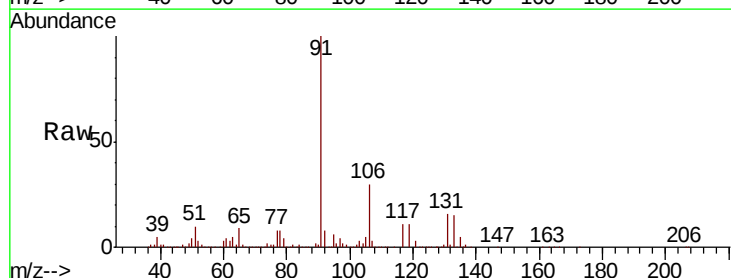
Instrument :
MSVOA_W
ClientSampleId :

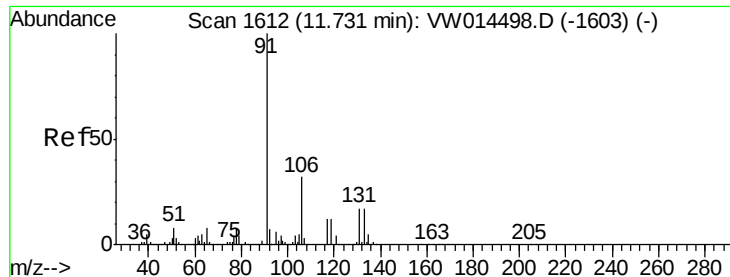
Tot Ion:112 Resp: 642414
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.731 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:131 Resp: 204466
Ion Ratio Lower Upper
131 100
133 97.2 47.3 142.0
119 67.2 33.1 99.3

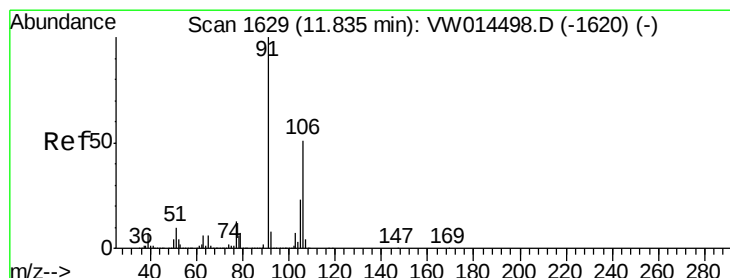
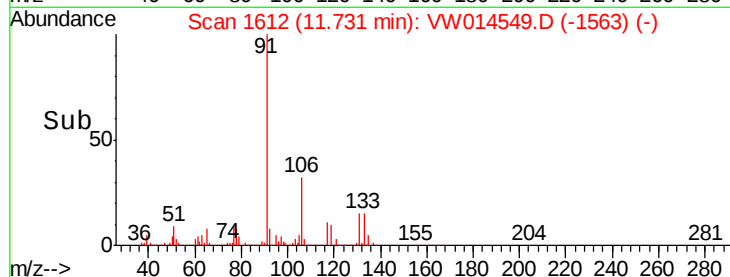
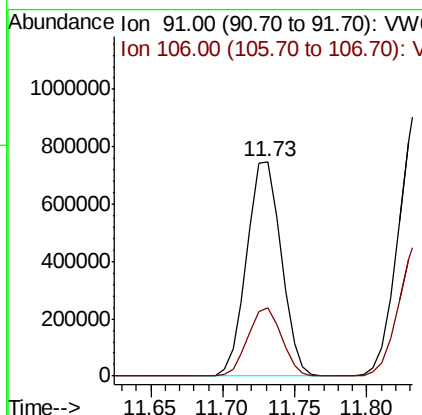
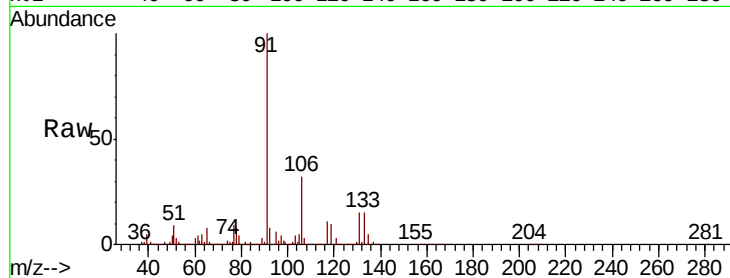




#67
Ethyl Benzene
Concen: 53.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

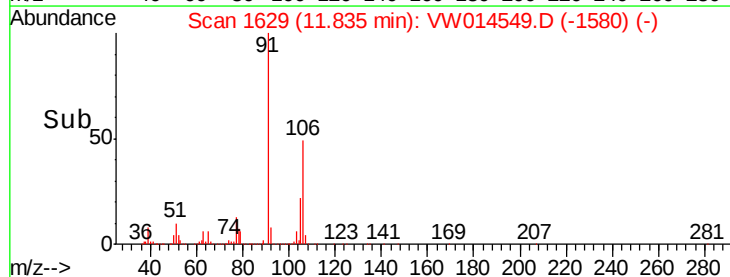
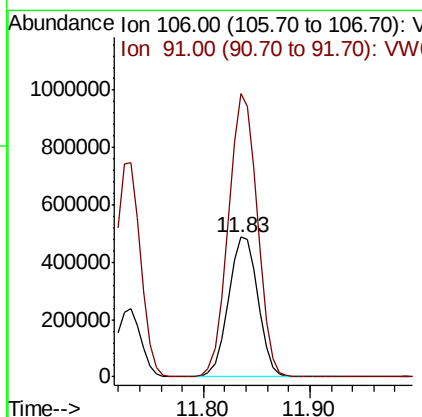
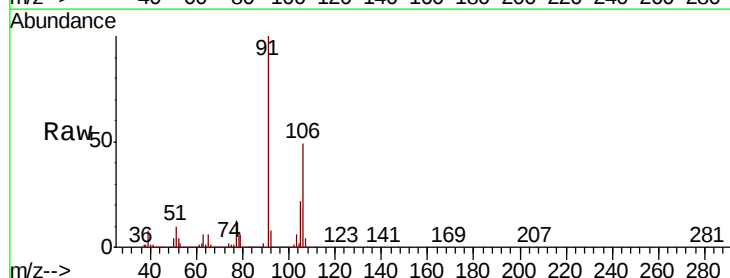
Instrument :
MSVOA_W
ClientSampleId :

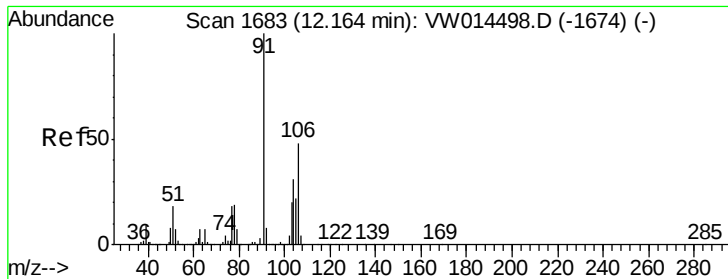
Tot Ion: 91 Resp: 1243806
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 105.558 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:106 Resp: 946114
Ion Ratio Lower Upper
106 100
91 199.0 159.0 238.6

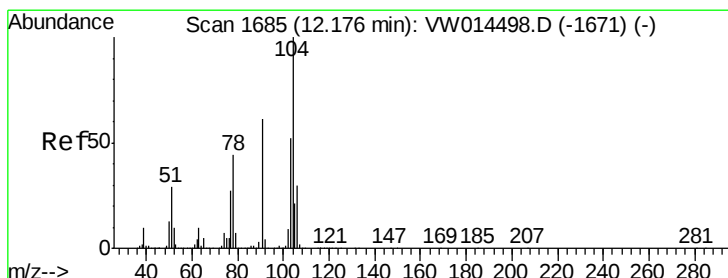
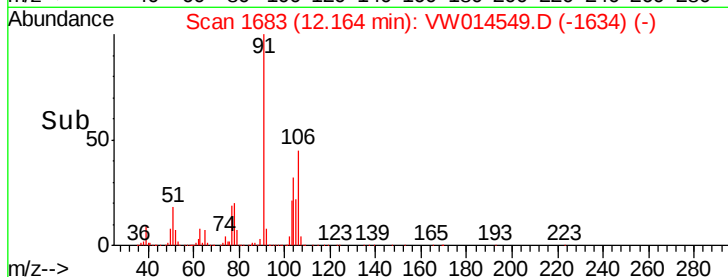
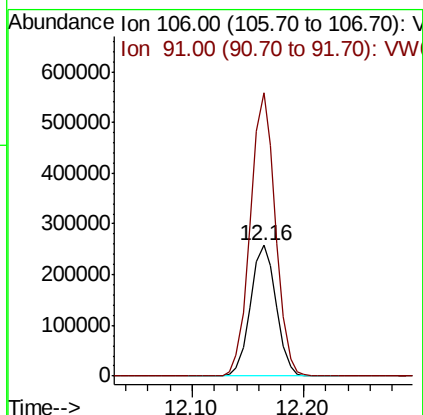
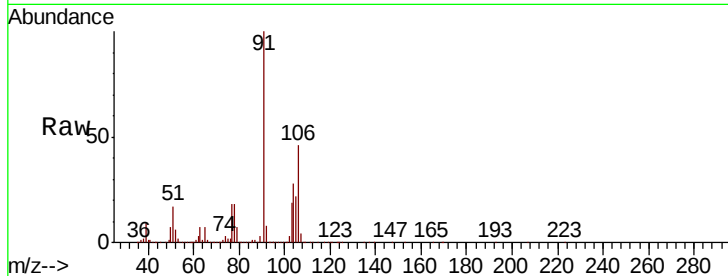




#69
o-Xylene
Concen: 50.129 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

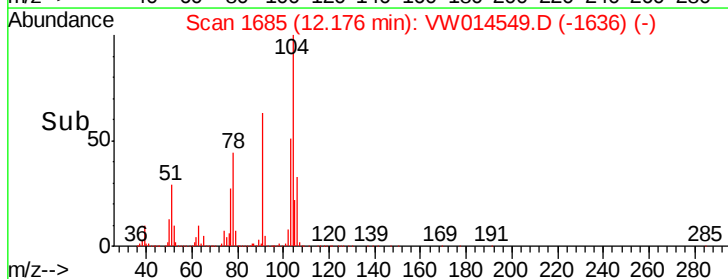
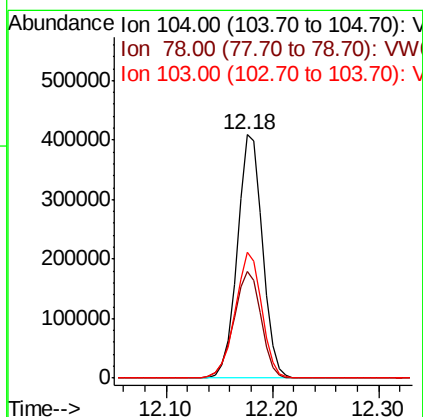
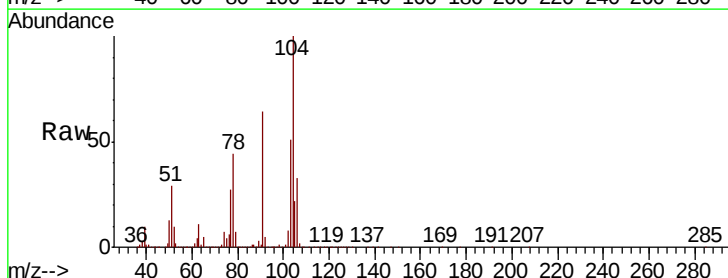
Instrument :
MSVOA_W
ClientSampled :

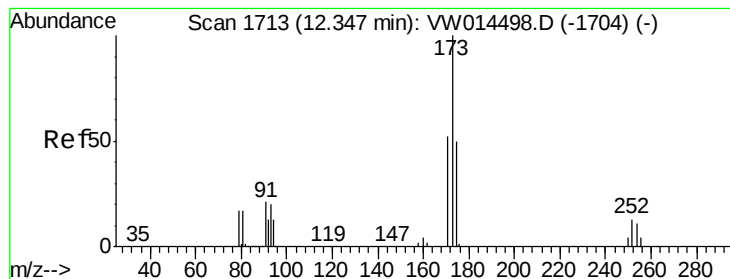
Tot Ion:106 Resp: 415031
Ion Ratio Lower Upper
106 100
91 210.6 105.2 315.6



#70
Styrene
Concen: 48.510 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:104 Resp: 679314
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 54.7 43.7 65.5





#71

Bromoform

Concen: 37.707 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

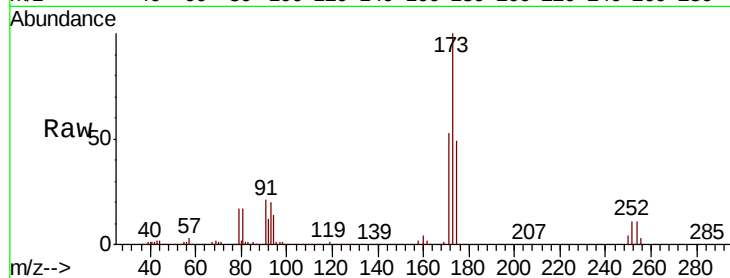
Tot Ion:173 Resp: 89991

Ion Ratio Lower Upper

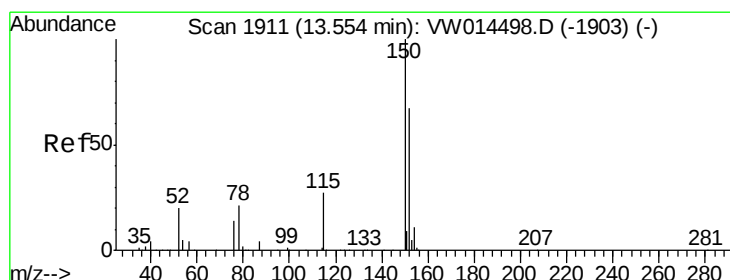
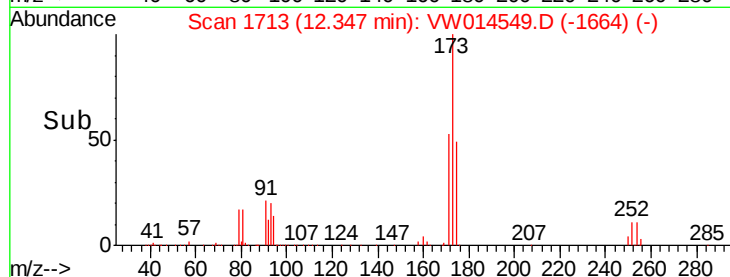
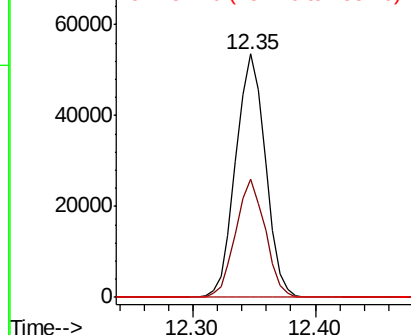
173 100

175 48.5 24.5 73.5

254 0.2 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: VW014549.D

Acq: 07 Jan 2020 16:55

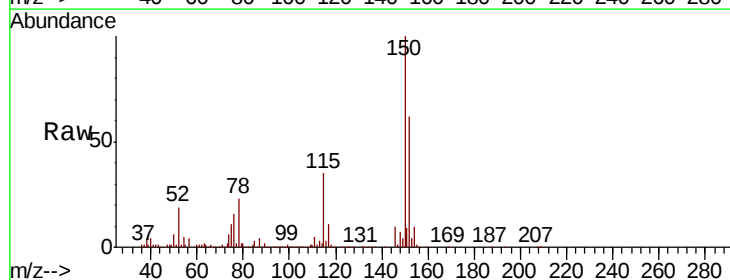
Tgt Ion:152 Resp: 274540

Ion Ratio Lower Upper

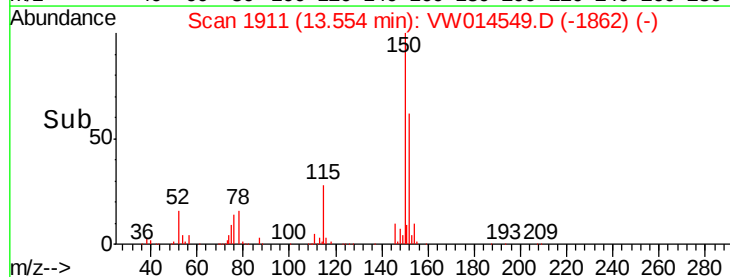
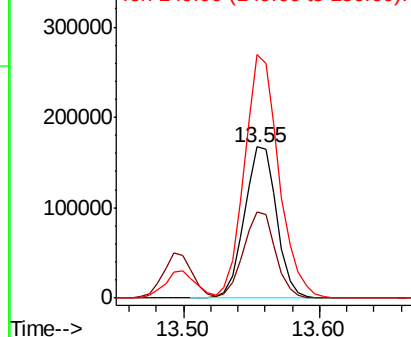
152 100

115 56.5 27.7 83.1

150 173.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 61.150 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

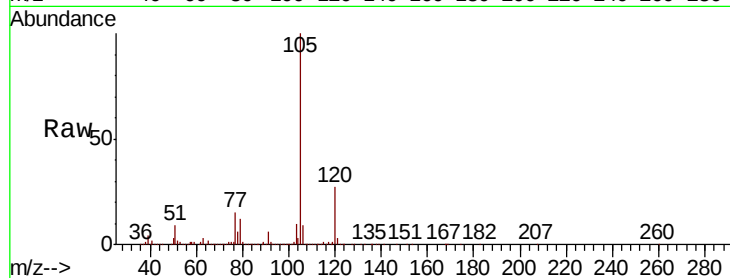
ClientSampled :

Tot Ion:105 Resp: 1231824

Ion Ratio Lower Upper

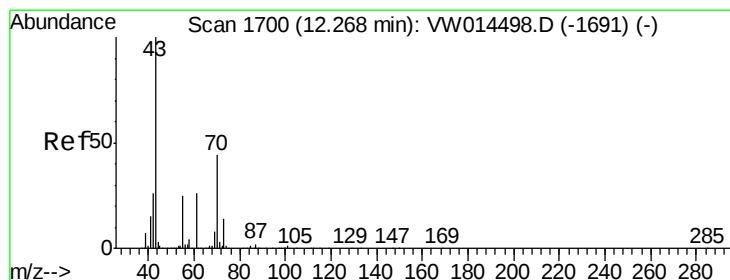
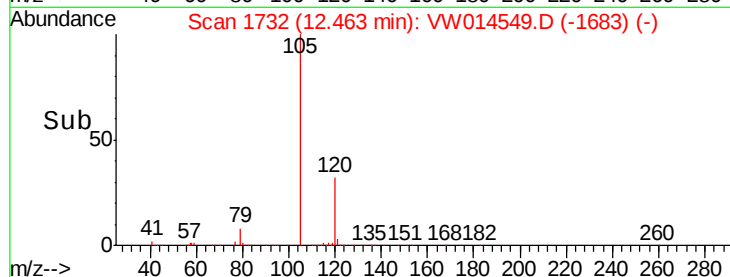
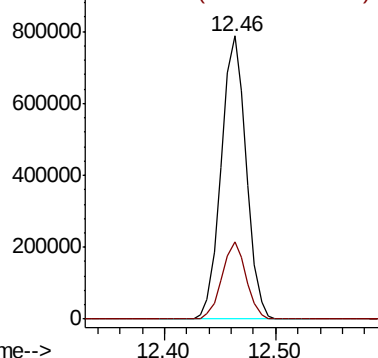
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.009 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Tgt Ion: 43 Resp: 185229

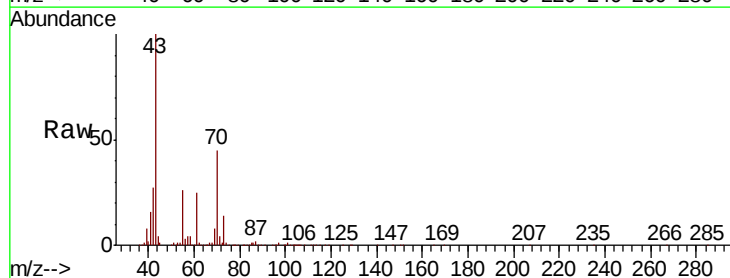
Ion Ratio Lower Upper

43 100

70 45.8 36.5 54.7

55 27.3 20.9 31.3

61 25.1 20.7 31.1

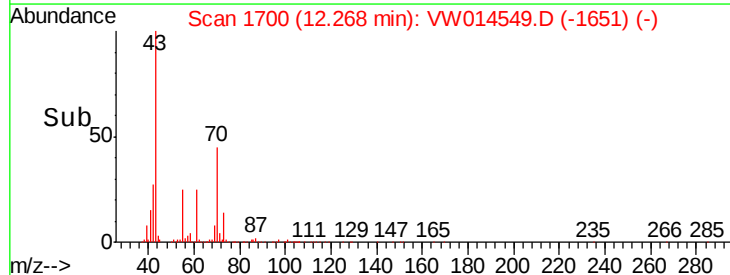
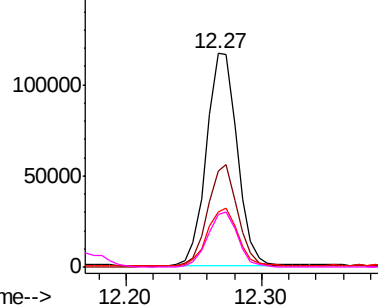


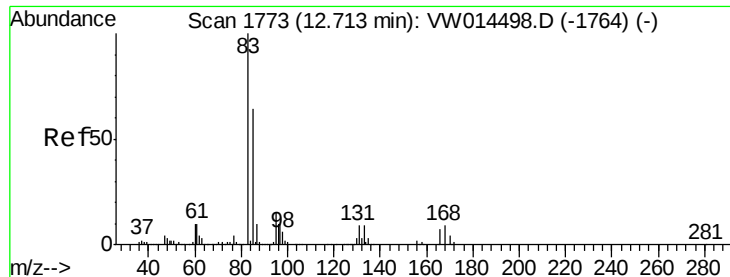
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 42.377 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

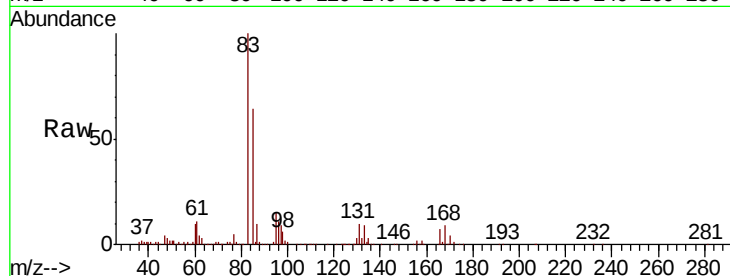
Tot Ion: 83 Resp: 154082

Ion Ratio Lower Upper

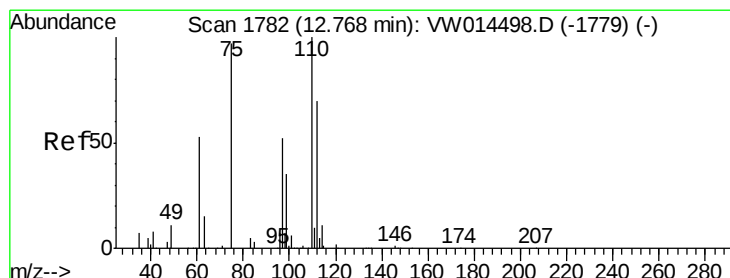
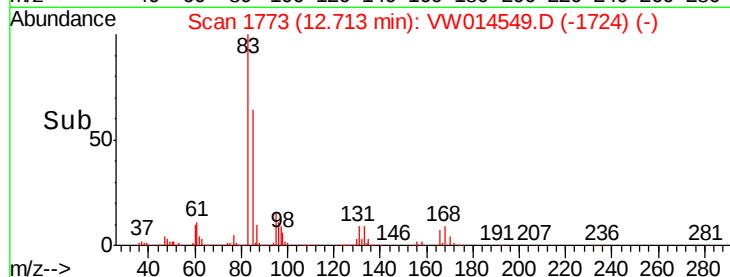
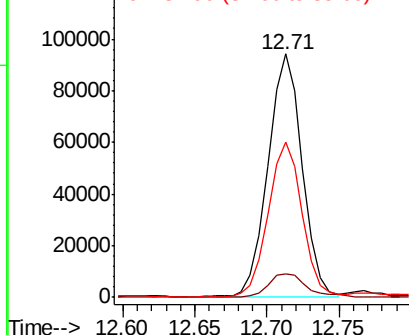
83 100

131 11.1 5.1 15.4

85 63.3 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: 74.813 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014549.D

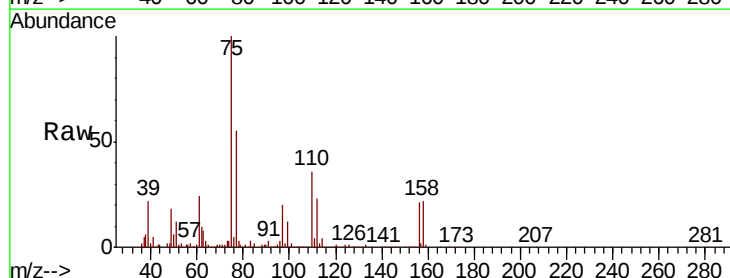
Acq: 07 Jan 2020 16:55

Tgt Ion: 75 Resp: 194195

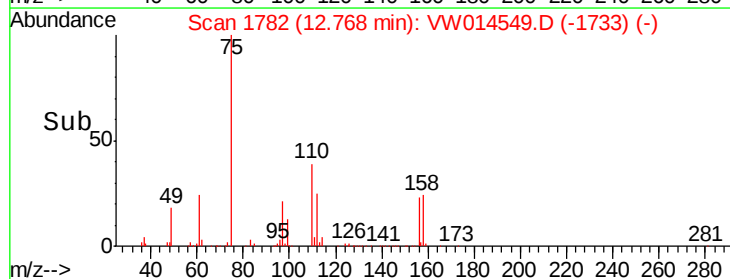
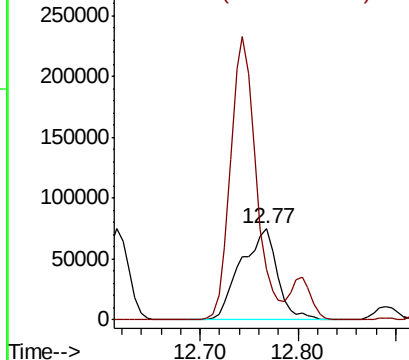
Ion Ratio Lower Upper

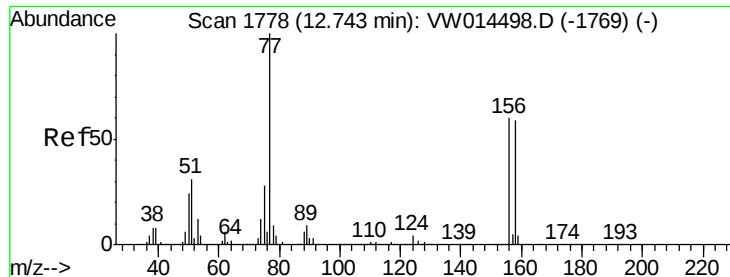
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.909 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

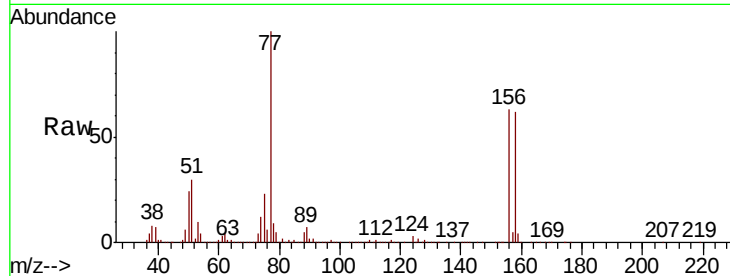
Tot Ion:156 Resp: 238190

Ion Ratio Lower Upper

156 100

77 178.2 92.3 277.1

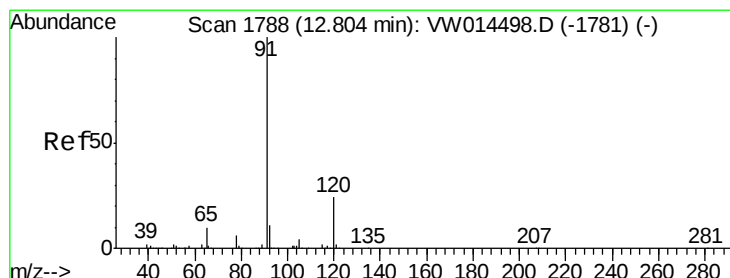
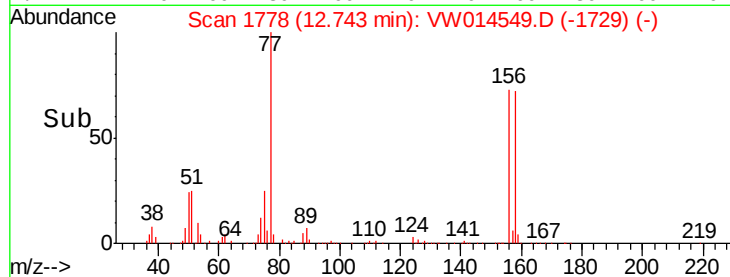
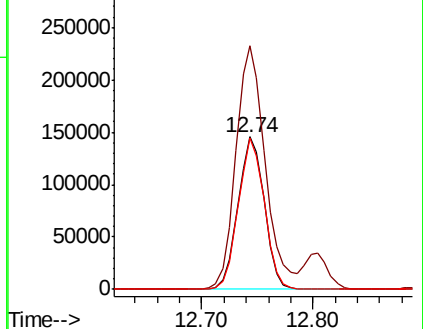
158 98.0 48.6 145.9



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: 59.731 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014549.D

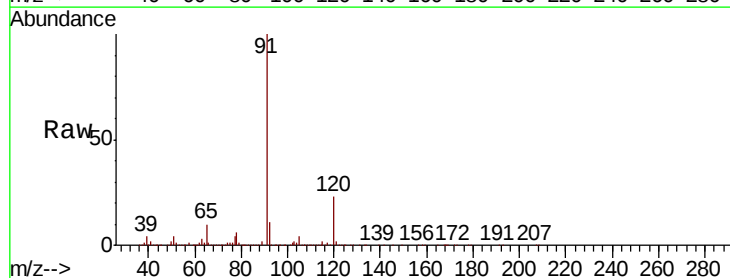
Acq: 07 Jan 2020 16:55

Tgt Ion: 91 Resp: 1414888

Ion Ratio Lower Upper

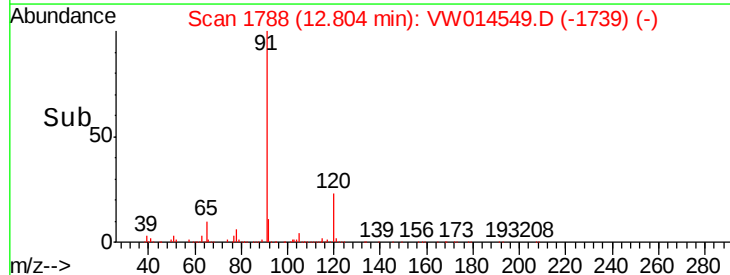
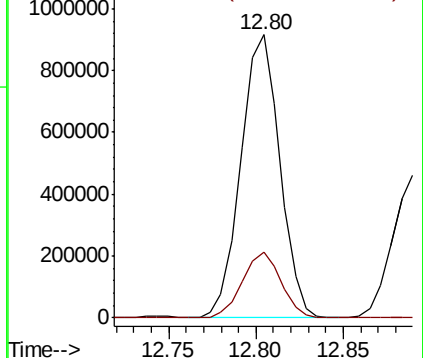
91 100

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: 55.313 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

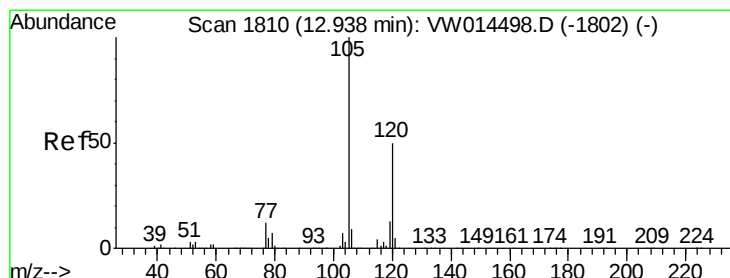
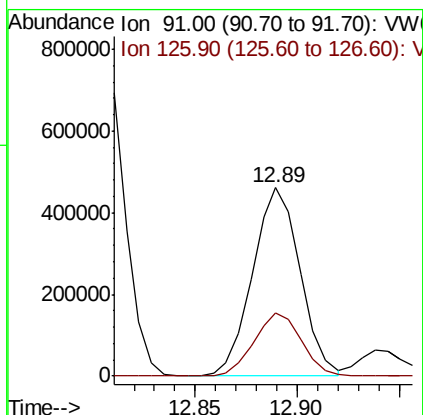
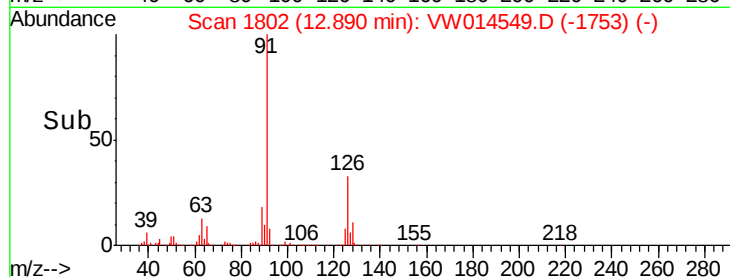
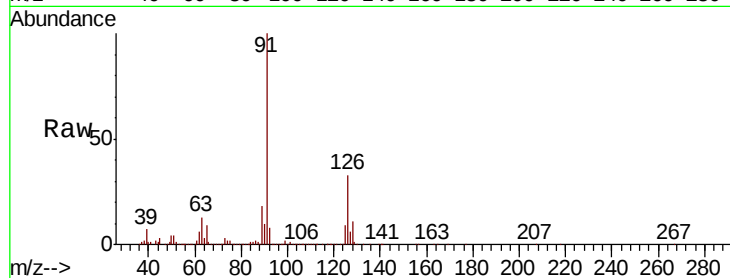
ClientSampleId :

Tot Ion: 91 Resp: 745618

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 57.411 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014549.D

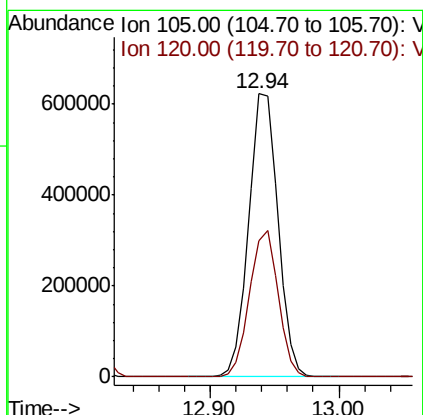
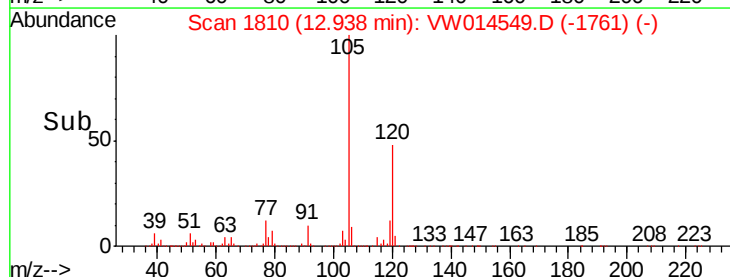
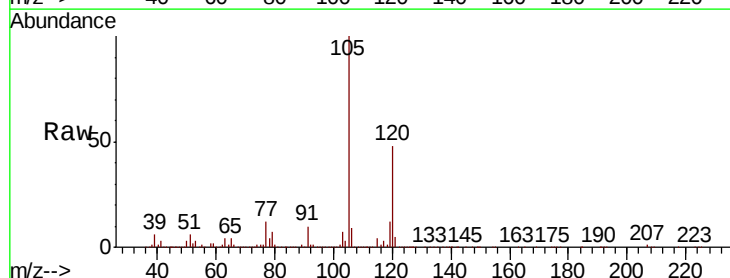
Acq: 07 Jan 2020 16:55

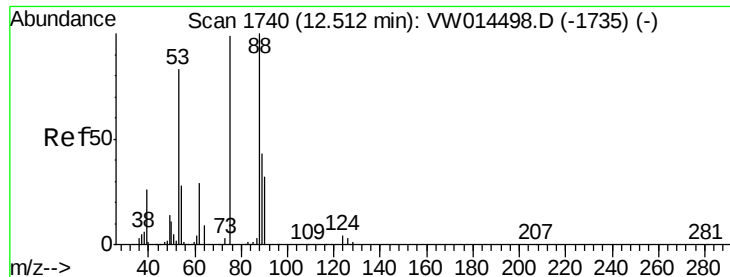
Tgt Ion:105 Resp: 971052

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 41.021 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

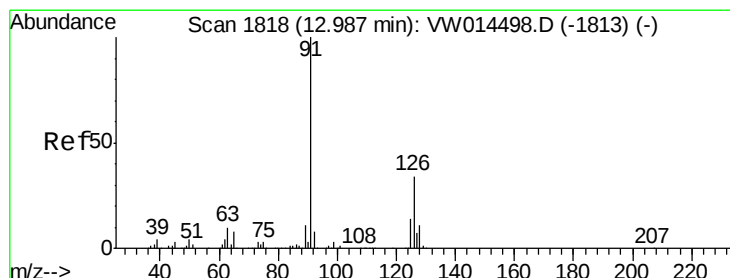
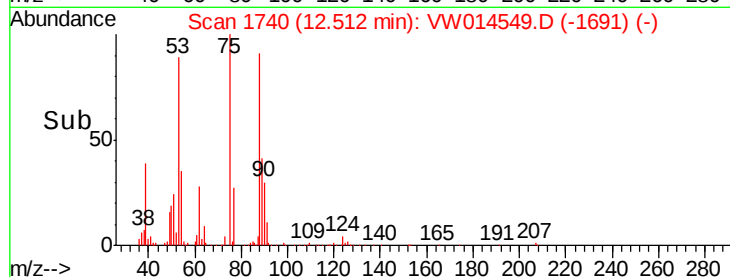
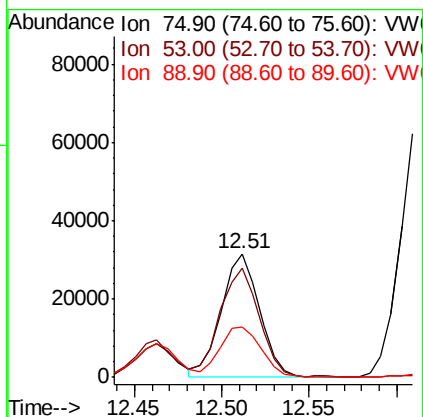
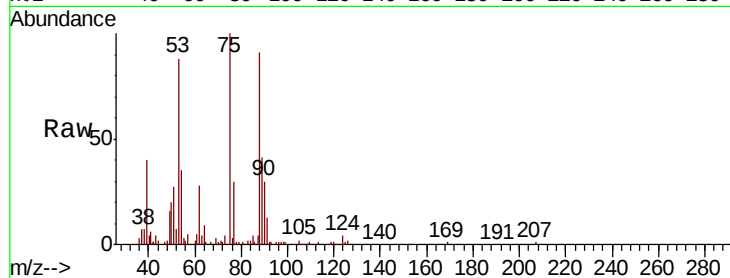
Tot Ion: 75 Resp: 47791

Ion Ratio Lower Upper

75 100

53 91.5 70.9 106.3

89 44.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 54.146 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014549.D

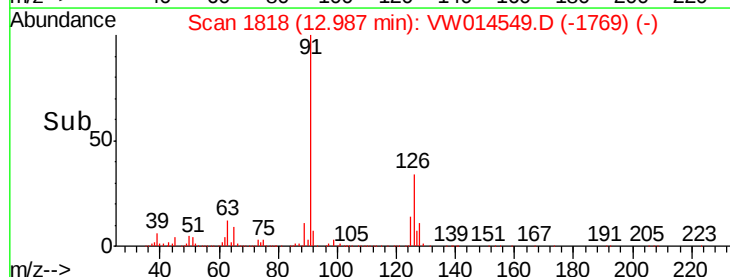
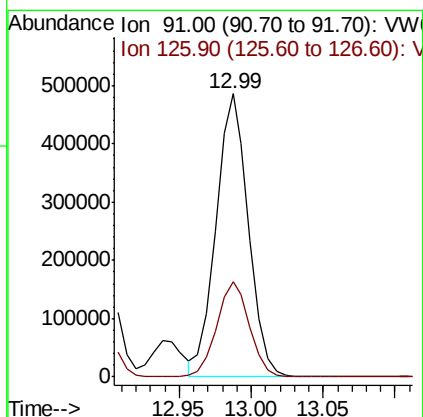
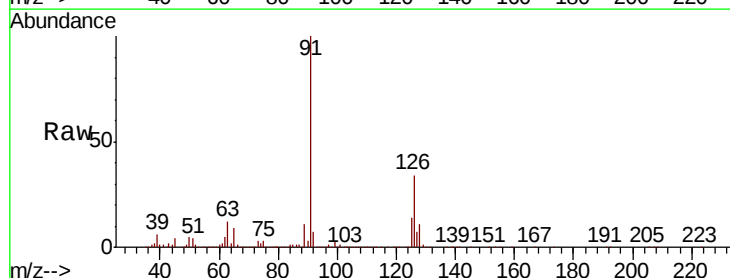
Acq: 07 Jan 2020 16:55

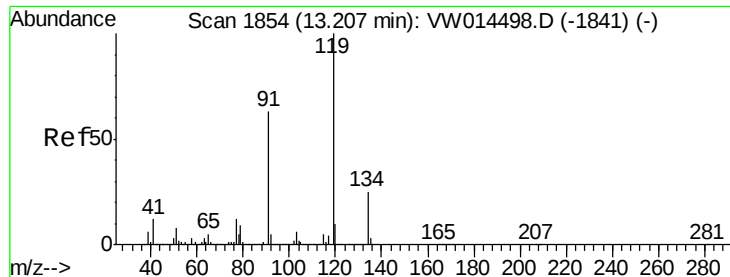
Tgt Ion: 91 Resp: 758321

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2

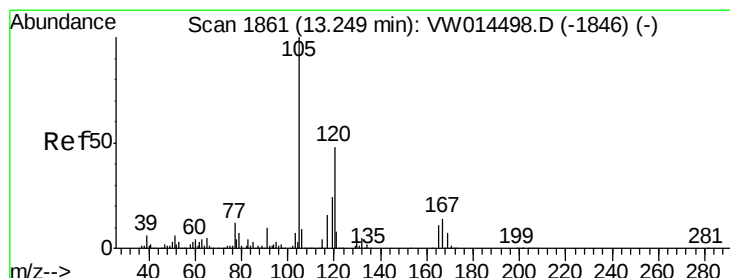
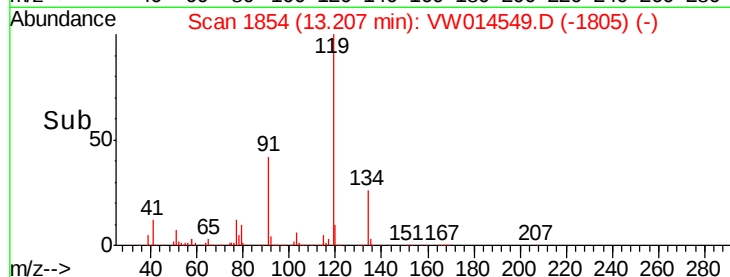
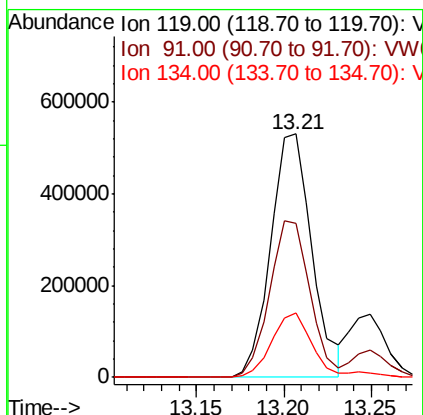
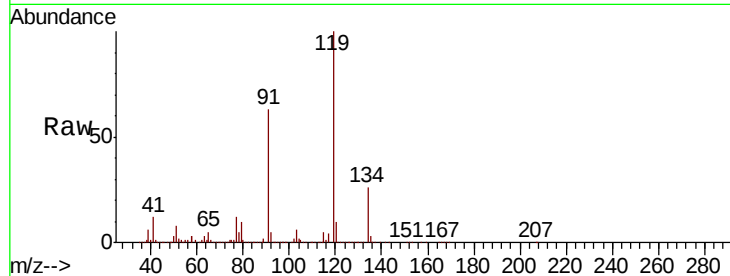




#83
tert-Butylbenzene
Concen: 59.051 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

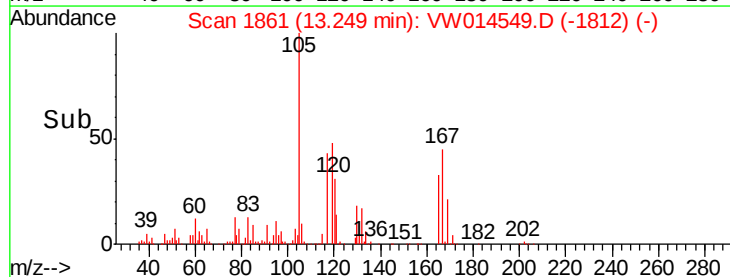
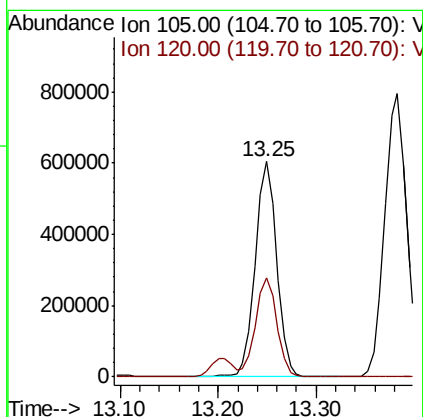
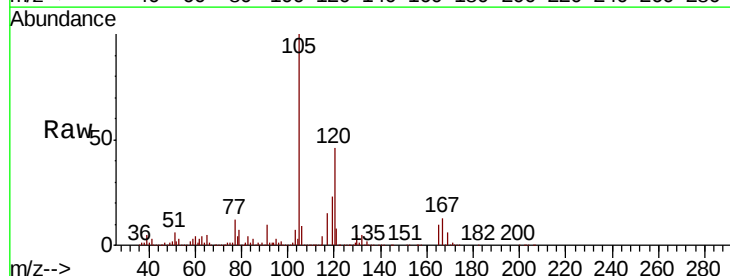
Instrument :
MSVOA_W
ClientSampleId :

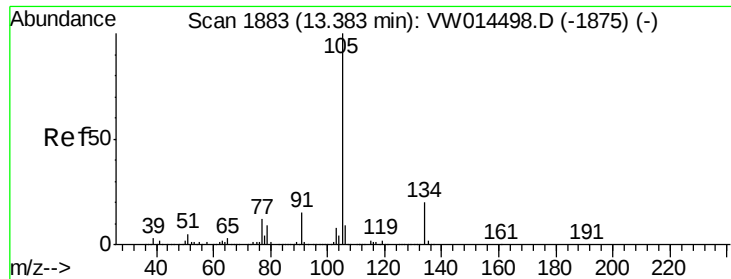
Tot Ion:119 Resp: 874466
Ion Ratio Lower Upper
119 100
91 63.0 31.1 93.3
134 27.1 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 54.738 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:105 Resp: 921336
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.0

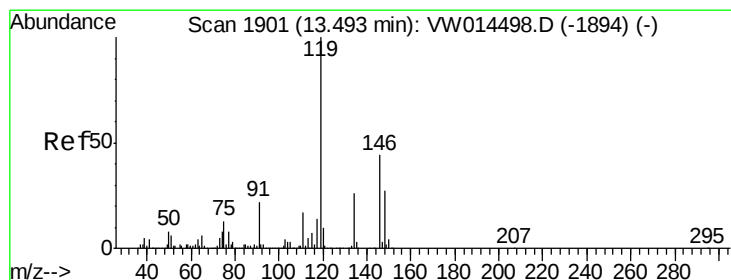
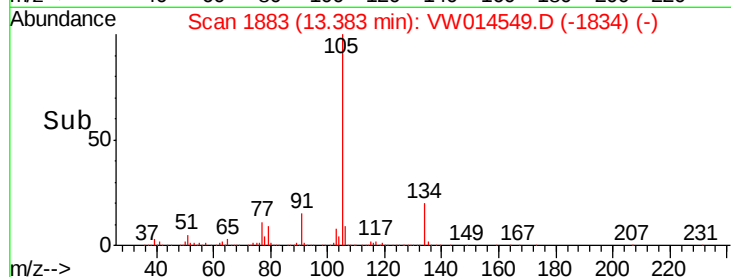
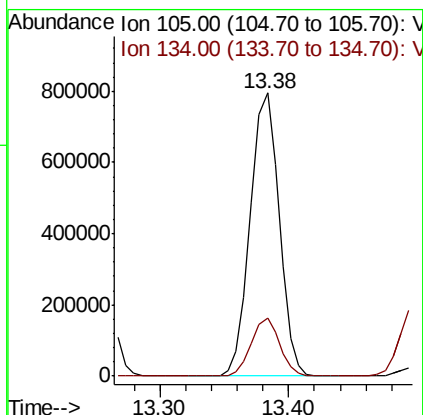
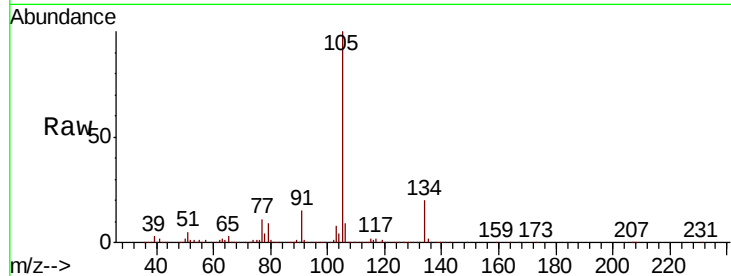




#85
 sec-Butylbenzene
 Concen: 60.138 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

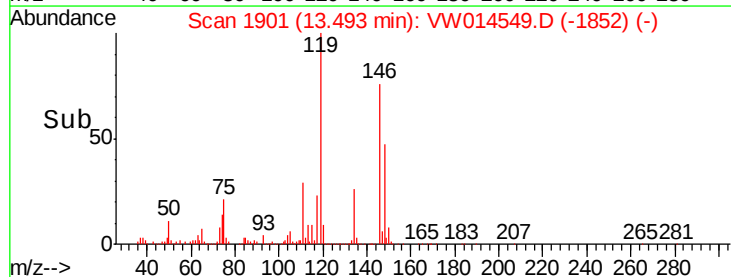
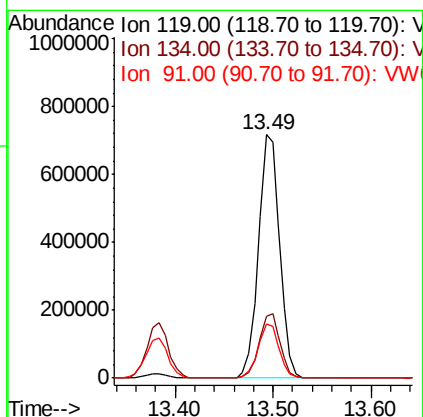
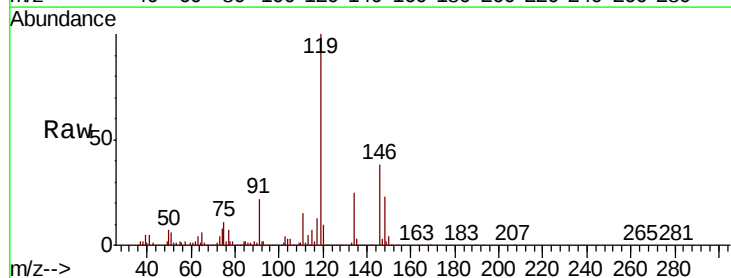
Instrument :
 MSVOA_W
 ClientSampleId :

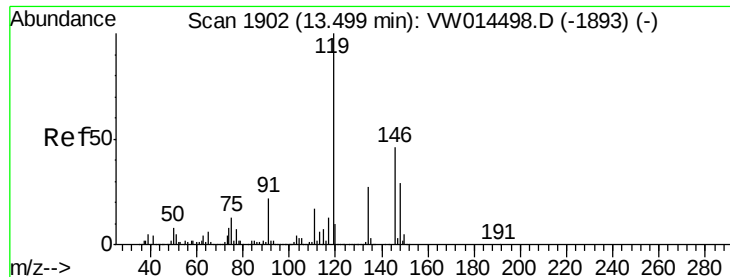
Tot Ion:105 Resp: 1232689
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 57.800 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion:119 Resp: 1079912
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 50.276 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampled :

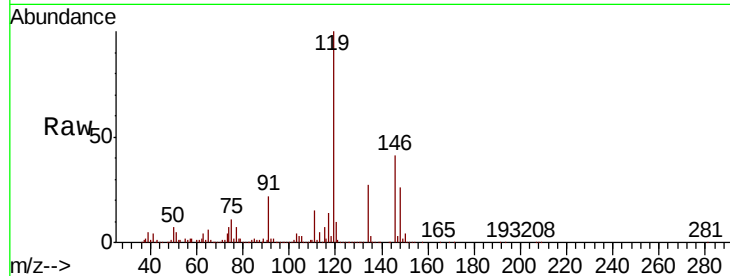
Tot Ion:146 Resp: 457413

Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.9

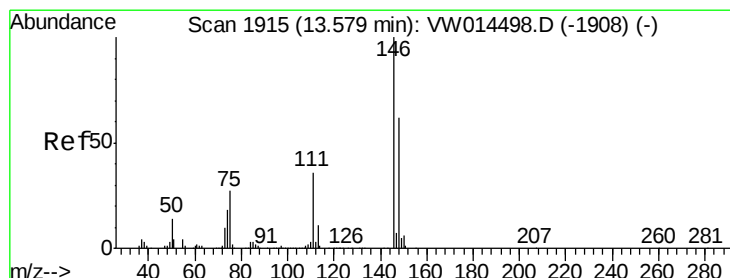
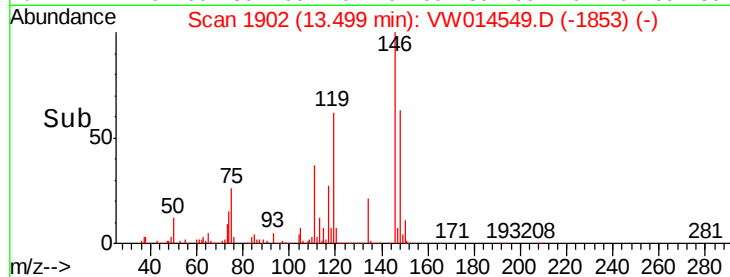
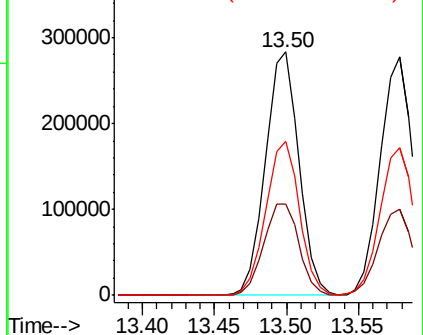
148 63.6 31.8 95.4



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: 49.055 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

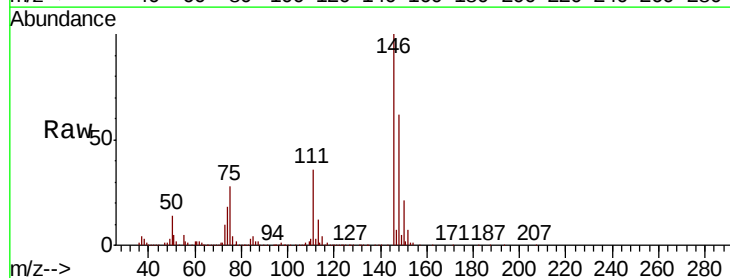
Tgt Ion:146 Resp: 440613

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

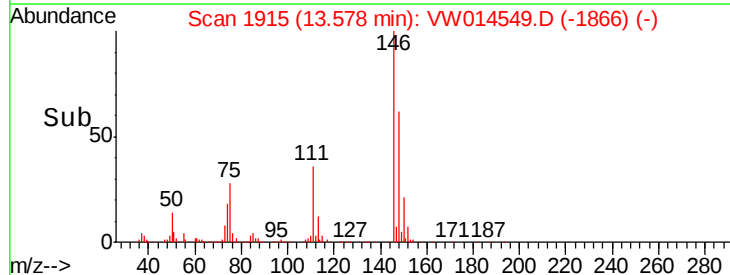
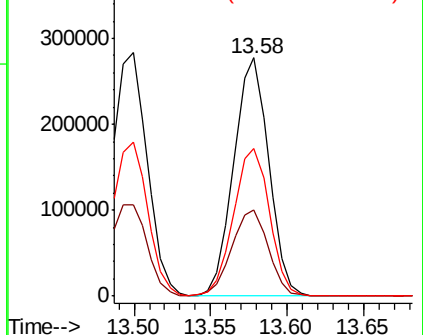
148 63.4 31.7 95.1

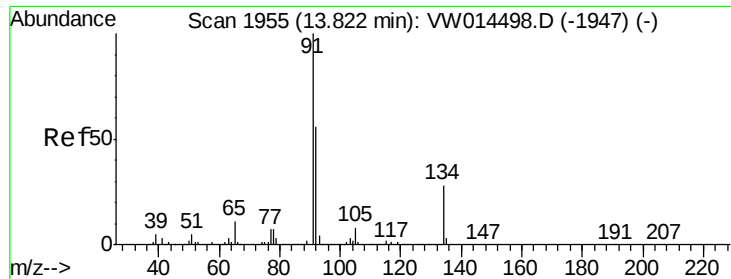


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.641 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014549.D

Acq: 07 Jan 2020 16:55

Instrument :

MSVOA_W

ClientSampled :

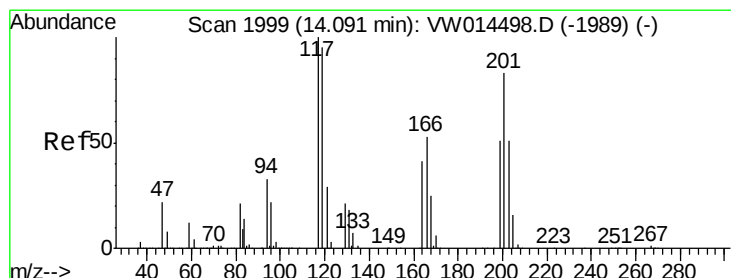
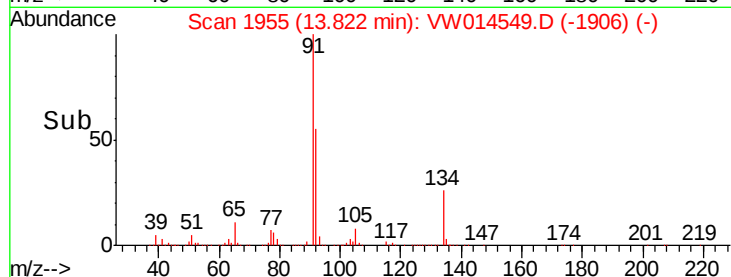
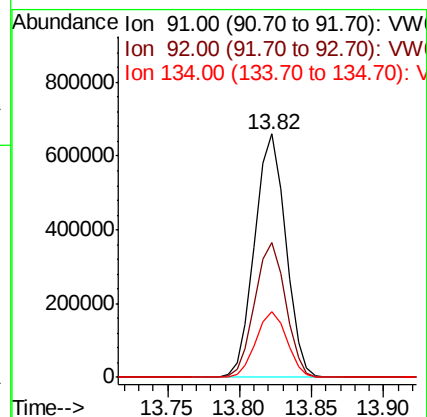
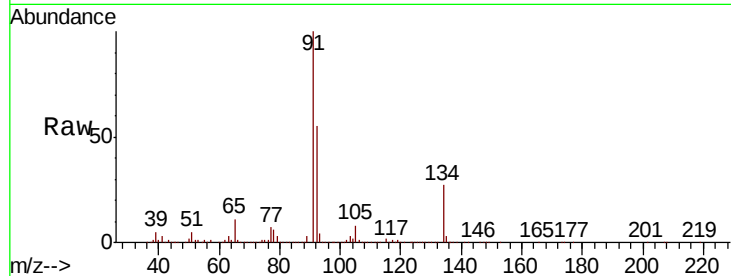
Tot Ion: 91 Resp: 982720

Ion Ratio Lower Upper

91 100

92 55.1 27.5 82.5

134 27.0 13.7 41.1



#90

Hexachloroethane

Concen: 53.105 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014549.D

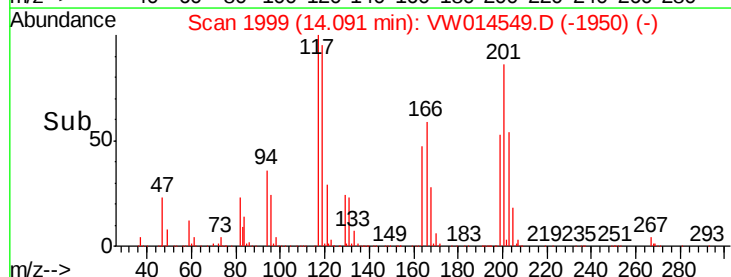
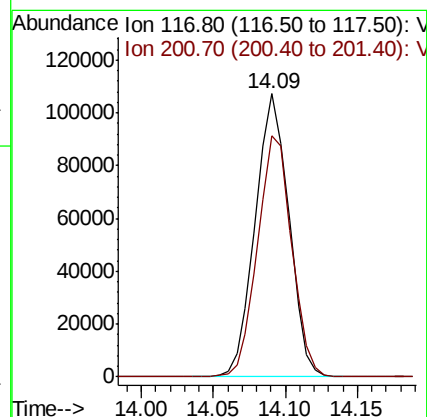
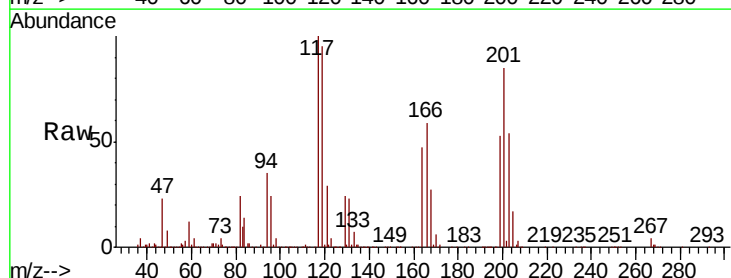
Acq: 07 Jan 2020 16:55

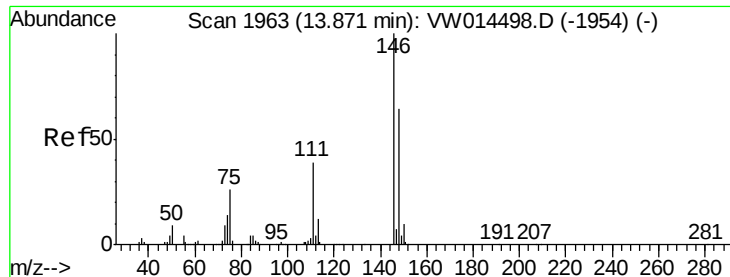
Tgt Ion: 117 Resp: 173328

Ion Ratio Lower Upper

117 100

201 86.3 43.0 128.8

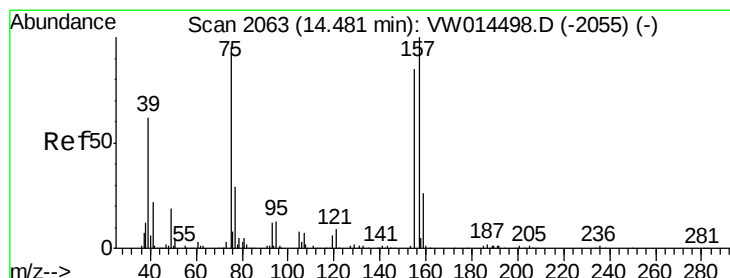
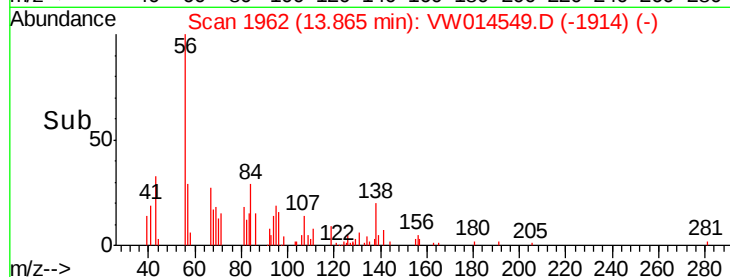
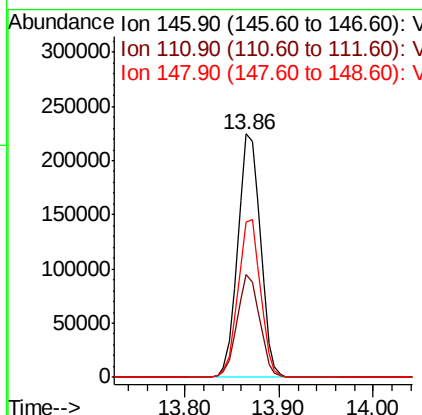
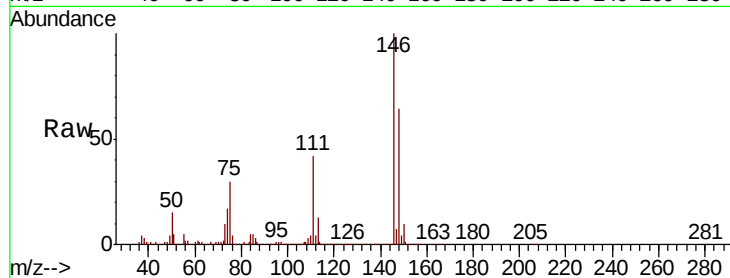




#91
 1,2-Dichlorobenzene
 Concen: 47.160 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

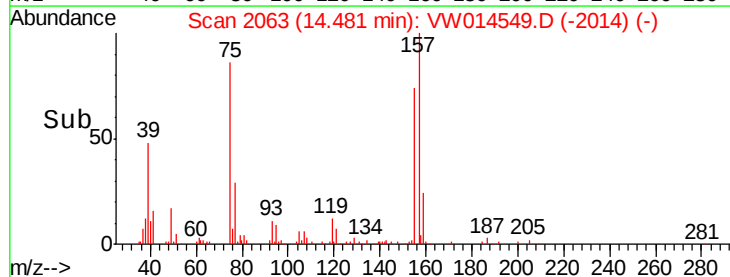
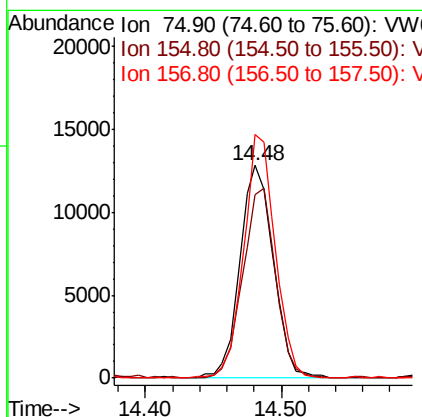
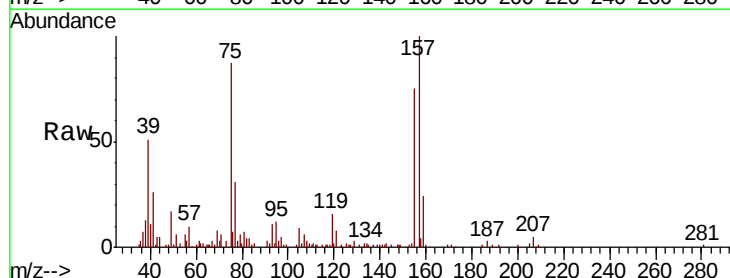
Instrument :
 MSVOA_W
 ClientSampleId :

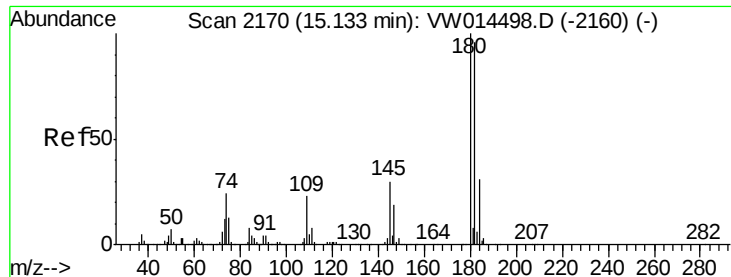
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	64.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.386 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	45.8	137.4
157	108.1	58.1	174.2

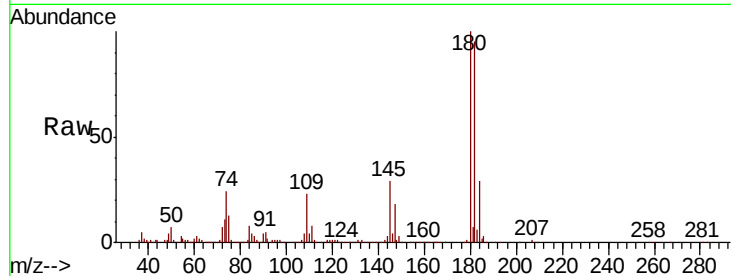




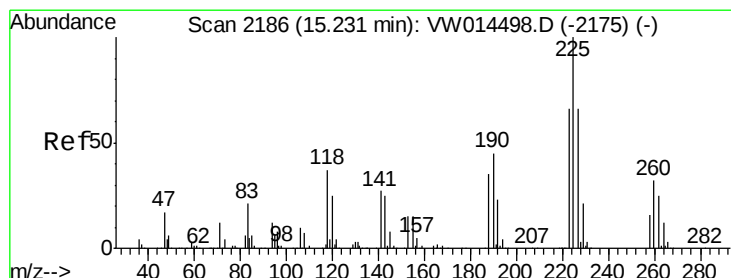
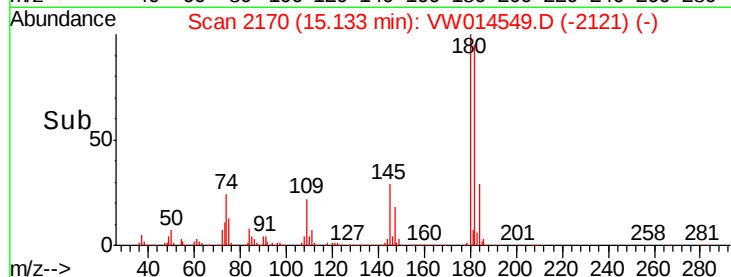
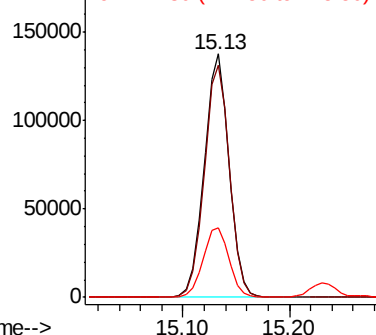
#93
 1,2,4-Trichlorobenzene
 Concen: 41.518 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.8
145	29.9	14.7	44.1

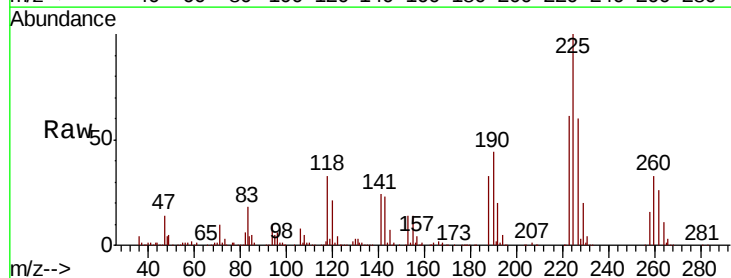


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

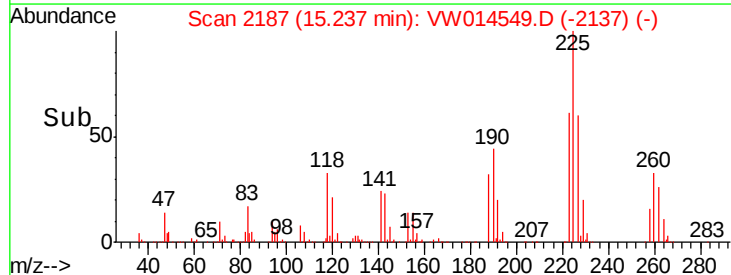
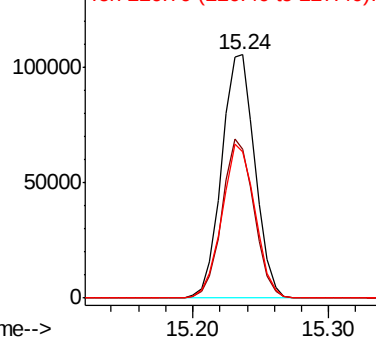


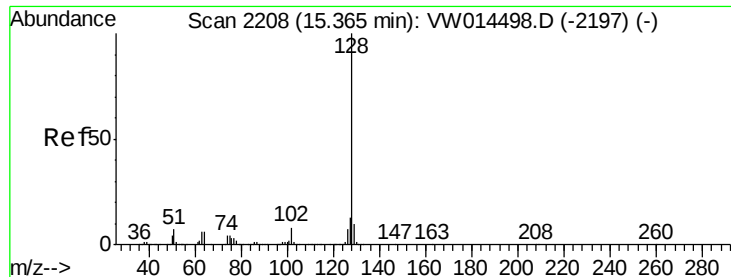
#94
 Hexachlorobutadiene
 Concen: 49.954 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014549.D
 Acq: 07 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	62.9	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

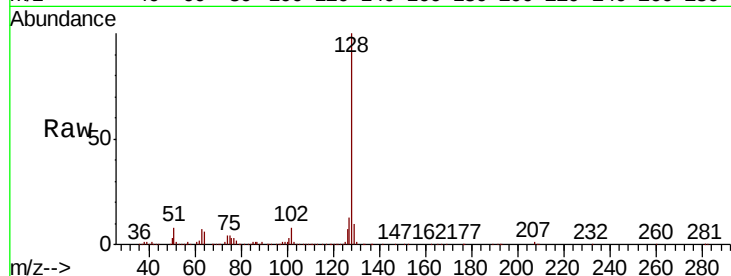




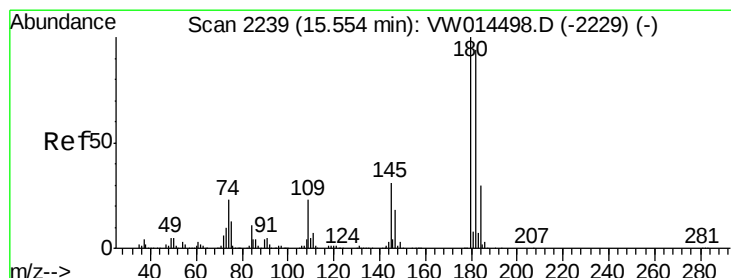
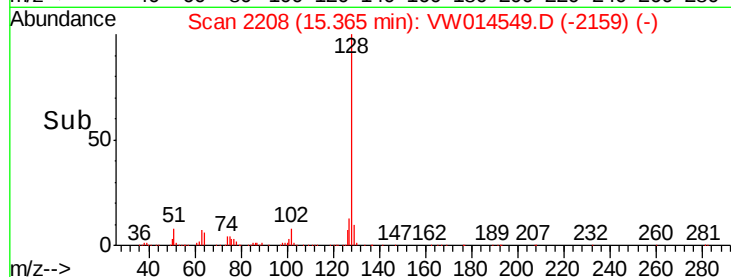
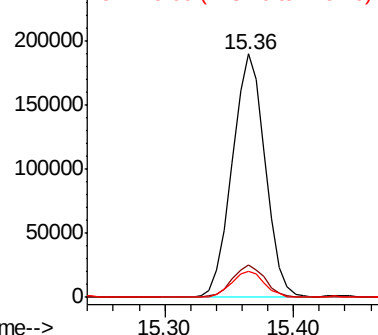
#95
Naphthalene
Concen: 36.395 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 335184
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.7 13.1

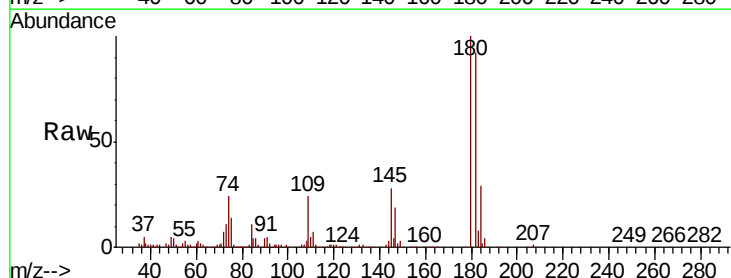


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 39.550 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014549.D
Acq: 07 Jan 2020 16:55

Tgt Ion:180 Resp: 186159
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.2
145 29.2 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

