

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014593.D
 Acq On : 09 Jan 2020 20:24
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:49:43 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	7.94	168	781824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1164421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1010508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	499548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	320909	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.88	113	326470	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.32	98	1336794	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.62	95	454384	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	189627	42.957	ug/l	99
3) Chloromethane	2.21	50	253236	46.867	ug/l	100
4) Vinyl Chloride	2.36	62	401801	50.558	ug/l	100
5) Bromomethane	2.77	94	255968	52.138	ug/l	98
6) Chloroethane	2.92	64	241152	53.231	ug/l	98
7) Trichlorofluoromethane	3.25	101	197069	49.561	ug/l	99
8) Diethyl Ether	3.67	74	216220	54.652	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	392838	52.875	ug/l	98
10) Methyl Iodide	4.27	142	590404	52.668	ug/l	100
11) Tert butyl alcohol	5.15	59	147831	283.568	ug/l	98
12) 1,1-Dichloroethene	4.04	96	418074	53.735	ug/l	97
13) Acrolein	3.89	56	187030	313.485	ug/l	100
14) Allyl chloride	4.66	41	612073	51.480	ug/l	99
15) Acrylonitrile	5.35	53	521239	288.231	ug/l	97
16) Acetone	4.11	43	518361	268.560	ug/l	97
17) Carbon Disulfide	4.38	76	1182512	50.427	ug/l	98
18) Methyl Acetate	4.66	43	253856	54.457	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	568029	58.815	ug/l	99
20) Methylene Chloride	4.91	84	440056	57.000	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	439842	53.241	ug/l	98
22) Diisopropyl ether	6.31	45	1201880	54.007	ug/l	98
23) Vinyl Acetate	6.24	43	3713686	276.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	749210	53.371	ug/l	99
25) 2-Butanone	7.16	43	692469	279.559	ug/l	99
26) 2,2-Dichloropropane	7.16	77	385103	49.551	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	476309	54.870	ug/l	99
28) Bromochloromethane	7.51	49	280950	51.050	ug/l	96
29) Tetrahydrofuran	7.52	42	424079	276.359	ug/l	97
30) Chloroform	7.67	83	709627	54.058	ug/l	99
31) Cyclohexane	7.95	56	734474	50.346	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	566603	53.668	ug/l	100
36) 1,1-Dichloropropene	8.07	75	600831	53.523	ug/l	100
37) Ethyl Acetate	7.24	43	287682	56.506	ug/l	98
38) Carbon Tetrachloride	8.06	117	527183	54.132	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	9.33	83	791208	54.923	ug/l	98
40) Benzene	8.32	78	1723340	54.260	ug/l	100
41) Methacrylonitrile	7.48	41	165964	58.480	ug/l	97
42) 1,2-Dichloroethane	8.39	62	443106	53.760	ug/l	100
43) Isopropyl Acetate	8.42	43	529245	57.247	ug/l	99
44) Trichloroethene	9.09	130	476303	55.421	ug/l	95
45) 1,2-Dichloropropane	9.37	63	429795	55.145	ug/l	98
46) Dibromomethane	9.46	93	214004	55.620	ug/l	98
47) Bromodichloromethane	9.64	83	526424	55.418	ug/l	100
48) Methyl methacrylate	9.43	41	259198	57.424	ug/l	99
49) 1,4-Dioxane	9.44	88	83231	1156.577	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1392684	290.087	ug/l	99
52) Toluene	10.38	92	1091427	54.623	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	550878	56.010	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	664616	55.290	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	317415	56.487	ug/l	99
56) Ethyl methacrylate	10.64	69	442851	60.641	ug/l	98
57) 1,3-Dichloropropane	10.93	76	557472	56.446	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	658564	296.512	ug/l	99
59) 2-Hexanone	10.96	43	991365	299.663	ug/l	99
60) Dibromochloromethane	11.13	129	361392	57.000	ug/l	99
61) 1,2-Dibromoethane	11.23	107	300432	56.324	ug/l	99
64) Tetrachloroethene	10.86	164	434022	59.327	ug/l	97
65) Chlorobenzene	11.65	112	1141239	55.126	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	392242	56.273	ug/l	99
67) Ethyl Benzene	11.73	91	2081399	55.789	ug/l	98
68) m/p-Xylenes	11.83	106	1586489	111.108	ug/l	99
69) o-Xylene	12.16	106	740788	56.165	ug/l	99
70) Styrene	12.18	104	1275257	57.163	ug/l	99
71) Bromoform	12.35	173	221735	58.320	ug/l #	100
73) Isopropylbenzene	12.46	105	2046375	55.829	ug/l	100
74) N-amyl acetate	12.27	43	483799	58.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	371106	56.093	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	472457	100.030	ug/l #	100
77) Bromobenzene	12.74	156	475862	55.896	ug/l	98
78) n-propylbenzene	12.80	91	2392330	55.504	ug/l	100
79) 2-Chlorotoluene	12.89	91	1342030	54.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1702190	55.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	121425	57.280	ug/l	100
82) 4-Chlorotoluene	12.99	91	1395362	54.756	ug/l	100
83) tert-Butylbenzene	13.21	119	1513264	56.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1690312	55.191	ug/l	100
85) sec-Butylbenzene	13.38	105	2105186	56.443	ug/l	100
86) p-Isopropyltoluene	13.49	119	1927358	56.693	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	917721	55.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	905043	55.376	ug/l	99
89) n-Butylbenzene	13.82	91	1790016	56.700	ug/l	100
90) Hexachloroethane	14.09	117	327931	55.217	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	818052	56.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	60225	57.484	ug/l	96

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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	597337	60.793	ug/l	99
94) Hexachlorobutadiene	15.23	225	377687	57.358	ug/l	97
95) Naphthalene	15.36	128	1092426	65.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	521627	60.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

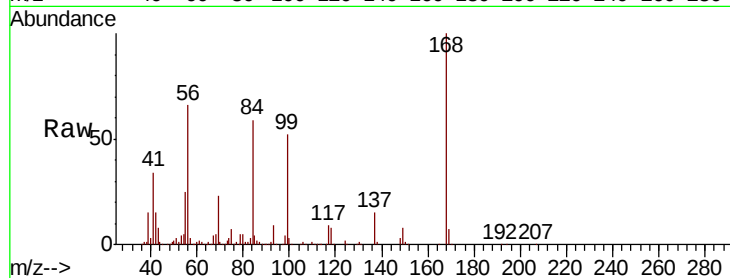
ClientSampled :

Tot Ion:168 Resp: 781824

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

400000

300000

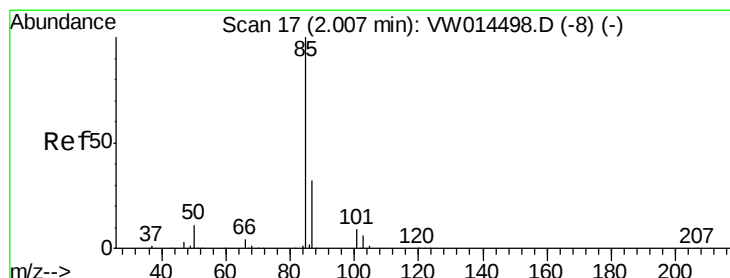
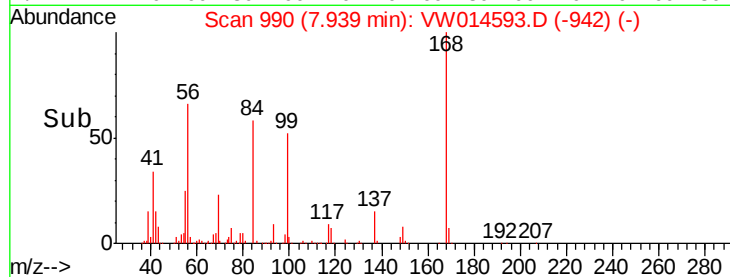
200000

100000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 42.957 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014593.D

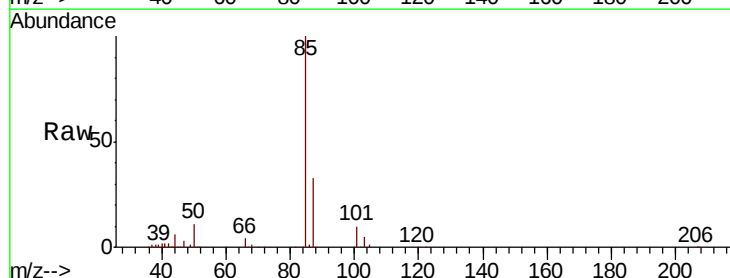
Acq: 09 Jan 2020 20:24

Tgt Ion: 85 Resp: 189627

Ion Ratio Lower Upper

85 100

87 32.9 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

60000

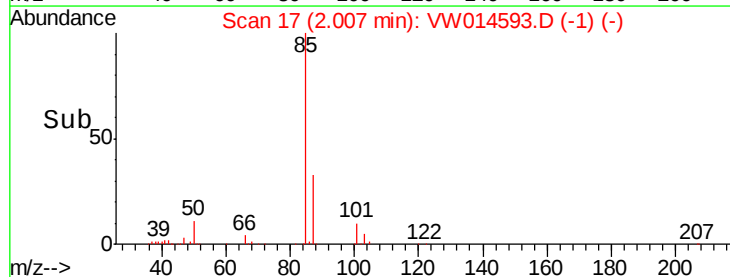
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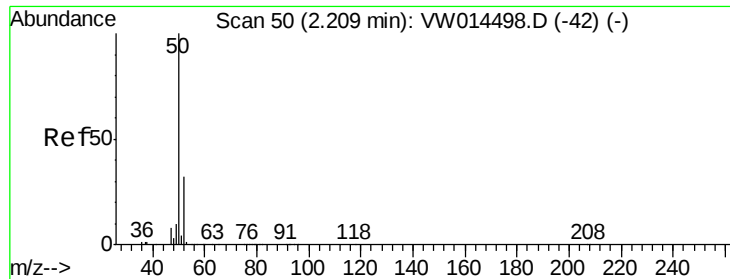
20000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.867 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

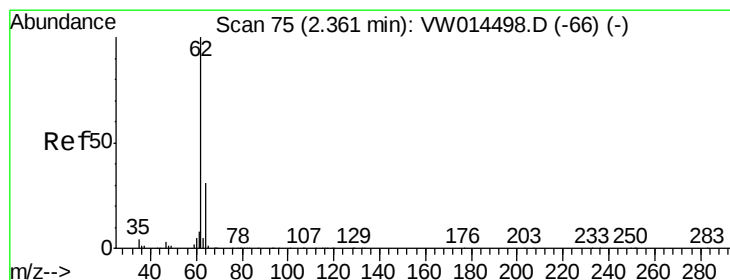
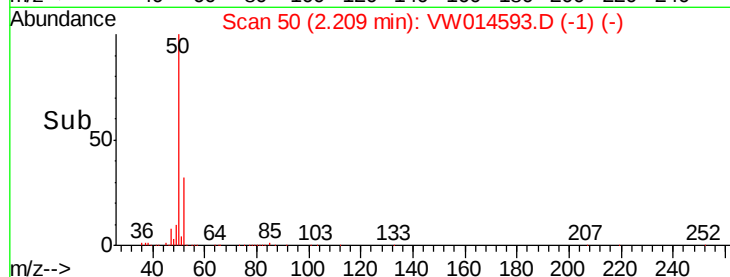
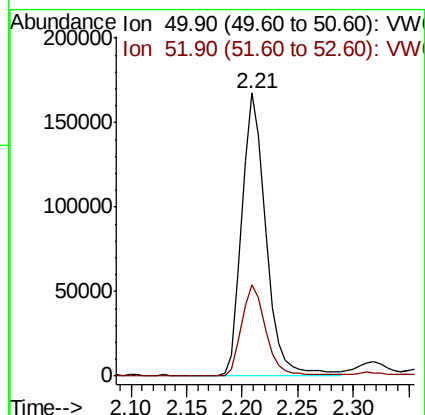
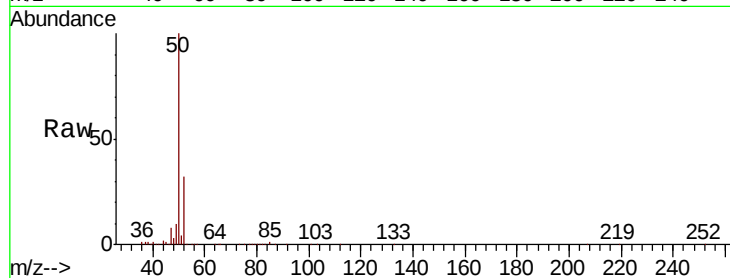
Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 253236

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.8	38.8



#4

Vinyl Chloride

Concen: 50.558 ug/l

RT: 2.36 min Scan# 75

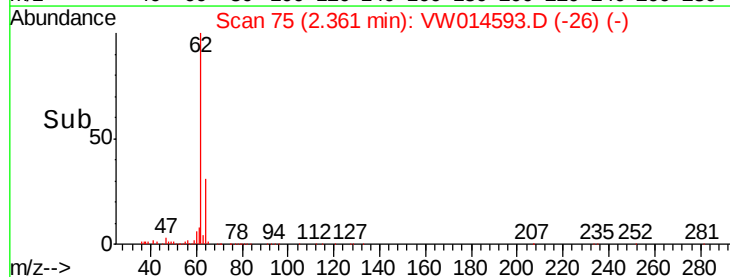
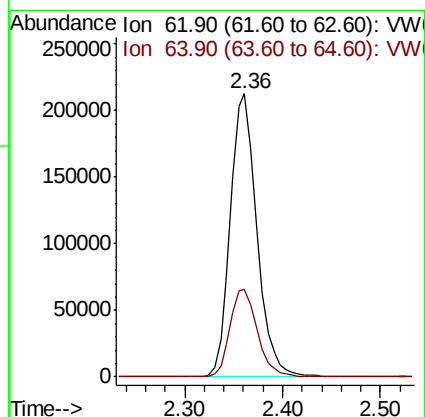
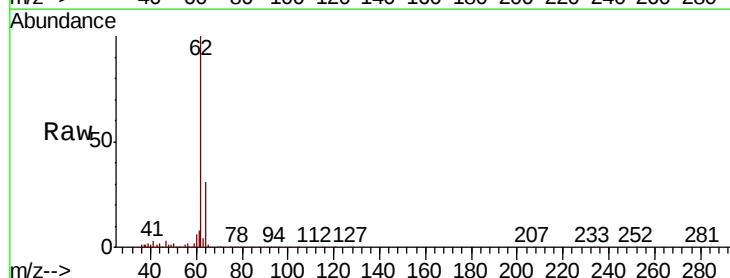
Delta R.T. -0.00 min

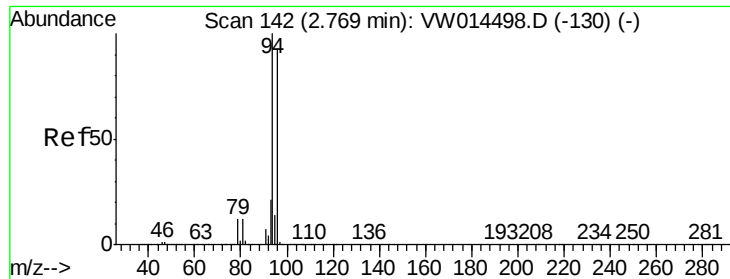
Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion: 62 Resp: 401801

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.0	37.4





#5

Bromomethane

Concen: 52.138 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

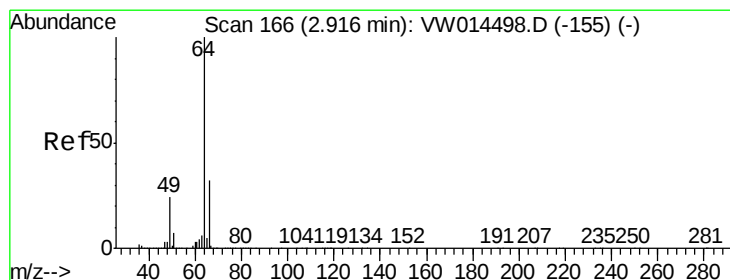
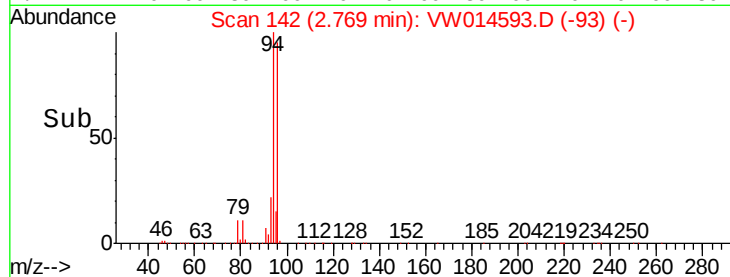
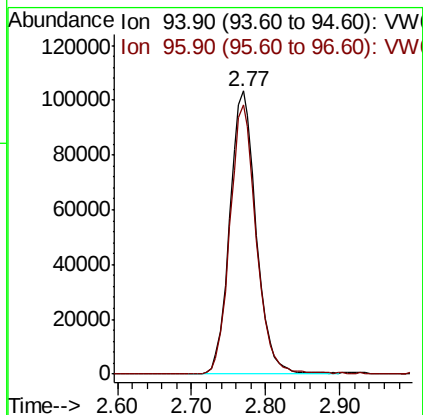
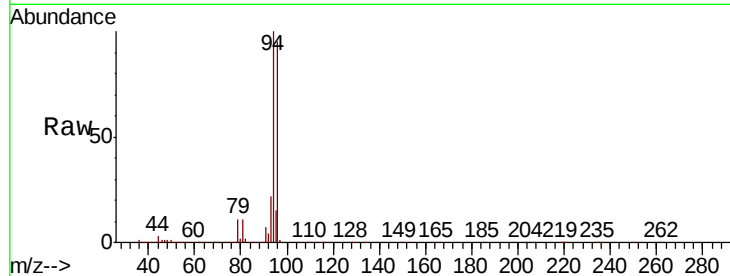
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 255968

Ion Ratio Lower Upper

94 100

96 95.0 74.2 111.2



#6

Chloroethane

Concen: 53.231 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014593.D

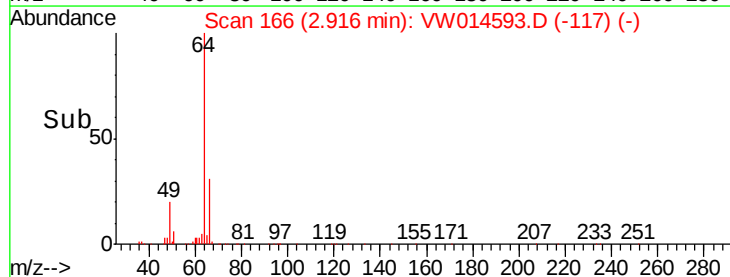
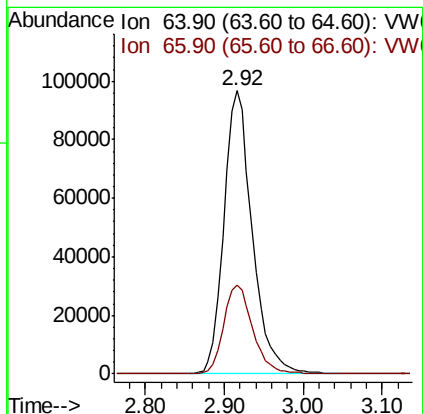
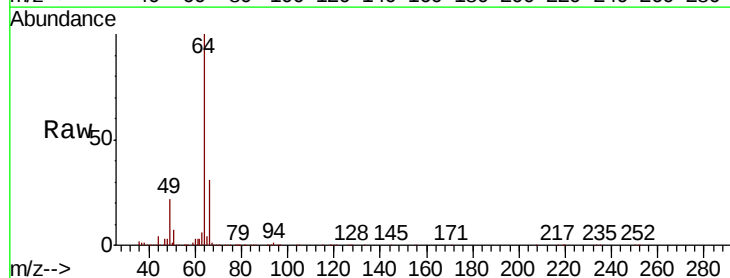
Acq: 09 Jan 2020 20:24

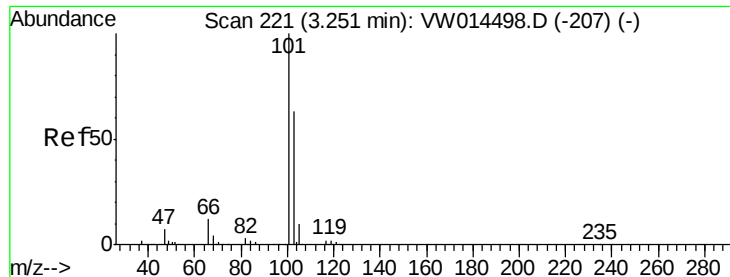
Tgt Ion: 64 Resp: 241152

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



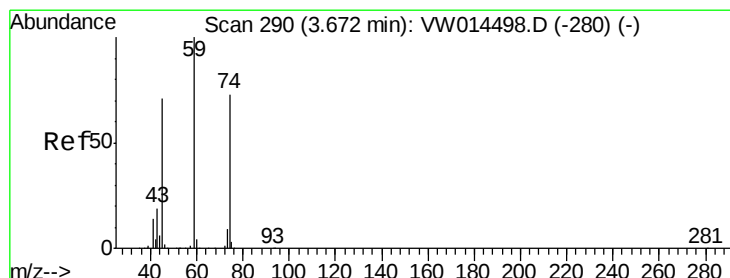
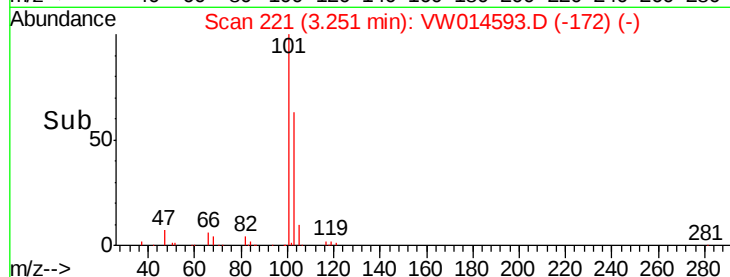
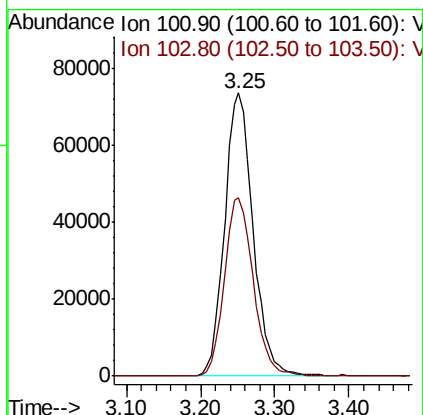
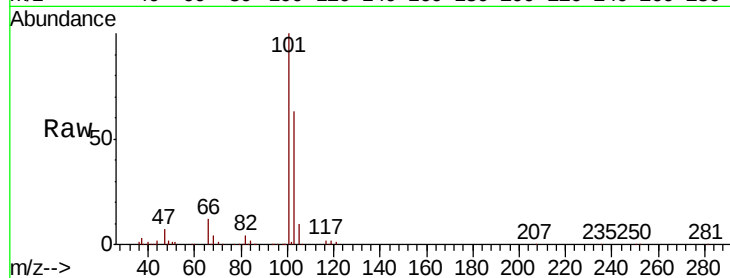


#7

Trichlorofluoromethane
 Concen: 49.561 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampled :

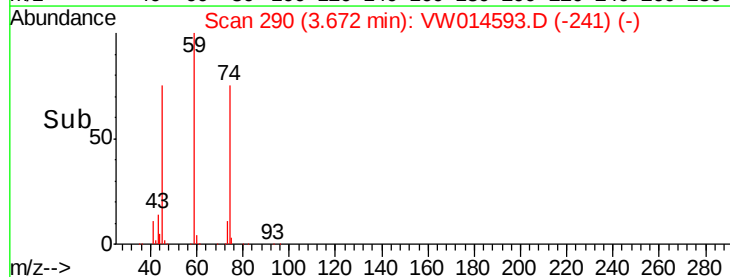
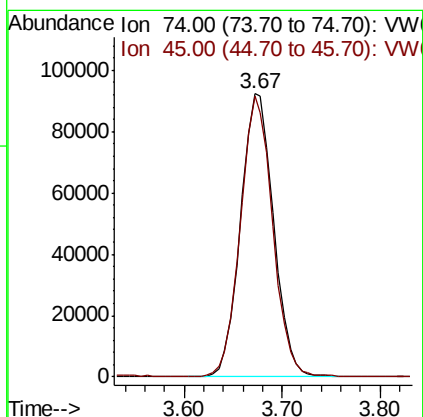
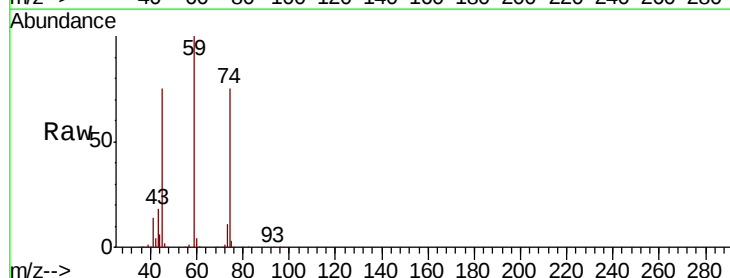
Tot Ion:101 Resp: 197069
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.1 75.1



#8

Diethyl Ether
 Concen: 54.652 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion: 74 Resp: 216220
 Ion Ratio Lower Upper
 74 100
 45 96.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.875 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

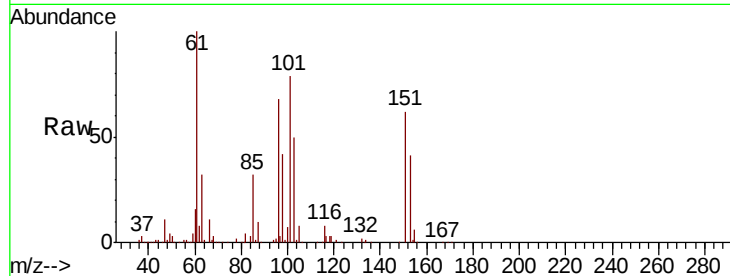
Tot Ion:101 Resp: 392838

Ion Ratio Lower Upper

101 100

85 41.3 33.7 50.5

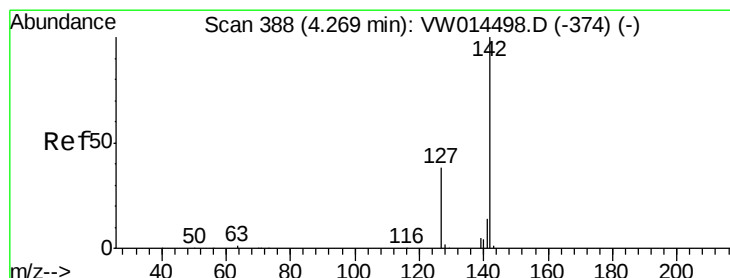
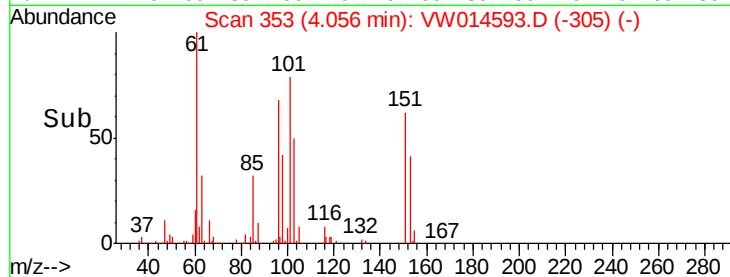
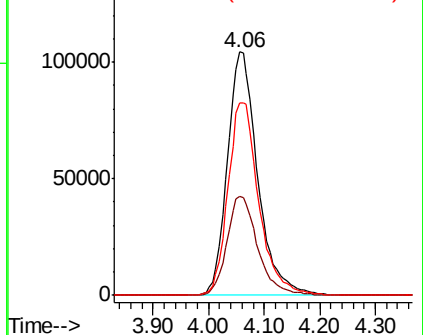
151 81.0 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.668 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

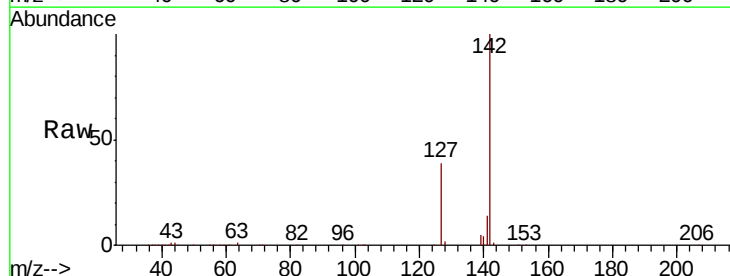
Tgt Ion:142 Resp: 590404

Ion Ratio Lower Upper

142 100

127 37.9 30.2 45.4

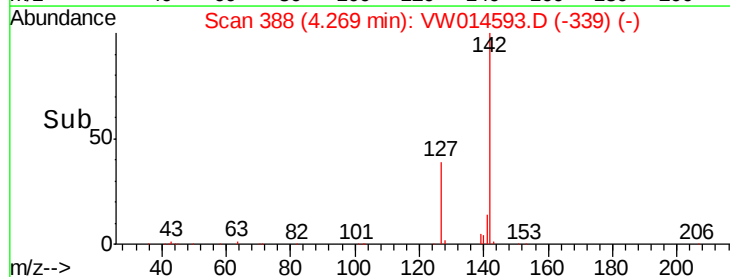
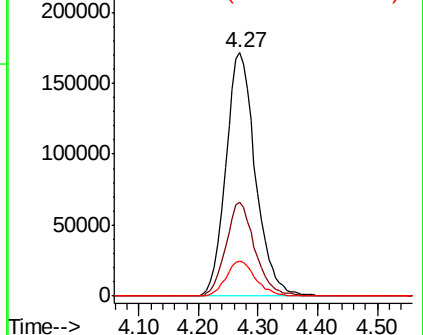
141 14.5 11.4 17.2

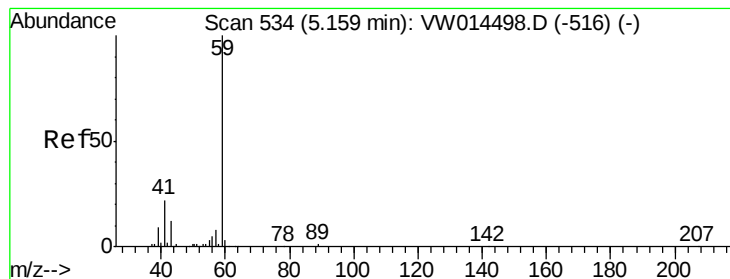


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 283.568 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

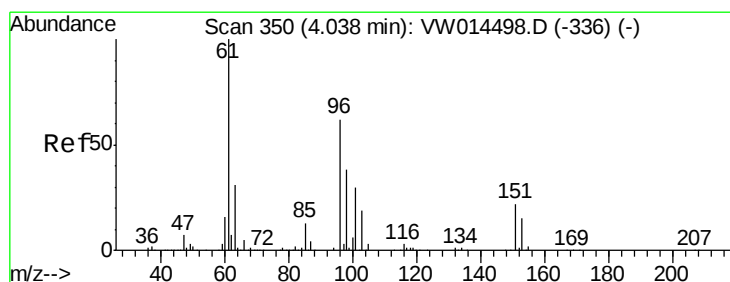
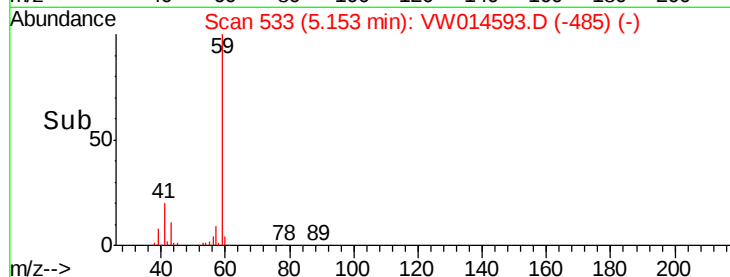
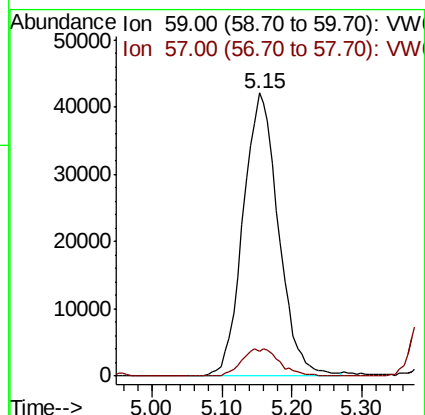
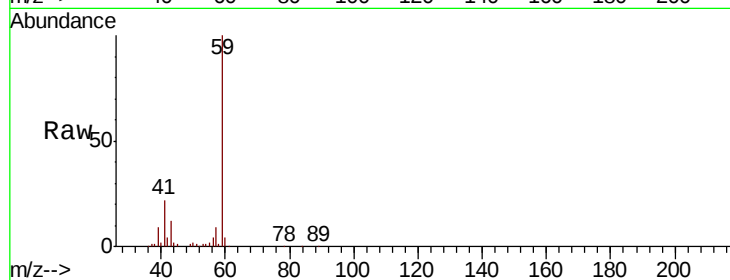
ClientSampleId :

Tot Ion: 59 Resp: 147831

Ion Ratio Lower Upper

59 100

57 10.6 7.8 11.8



#12

1,1-Dichloroethene

Concen: 53.735 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

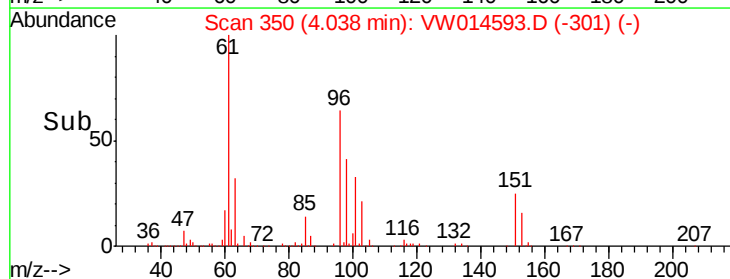
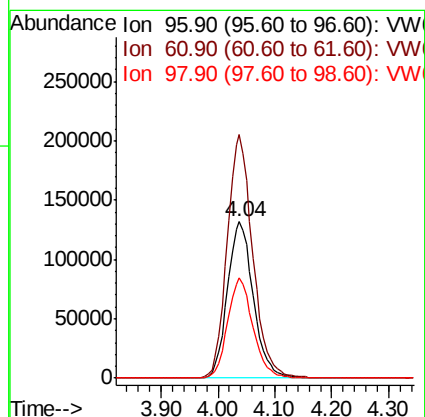
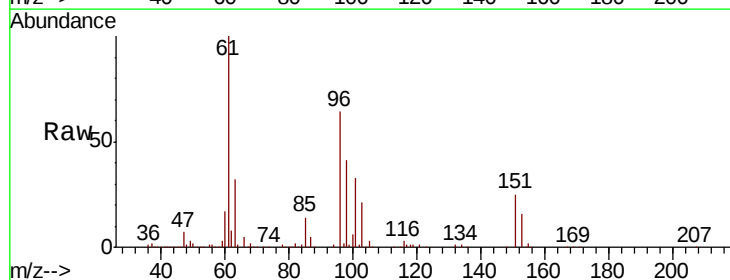
Tgt Ion: 96 Resp: 418074

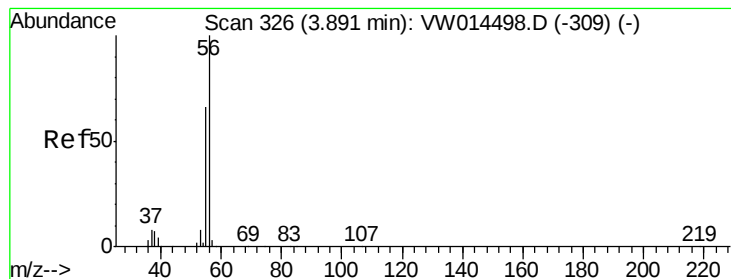
Ion Ratio Lower Upper

96 100

61 155.8 128.4 192.6

98 63.8 49.1 73.7





#13

Acrolein

Concen: 313.485 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

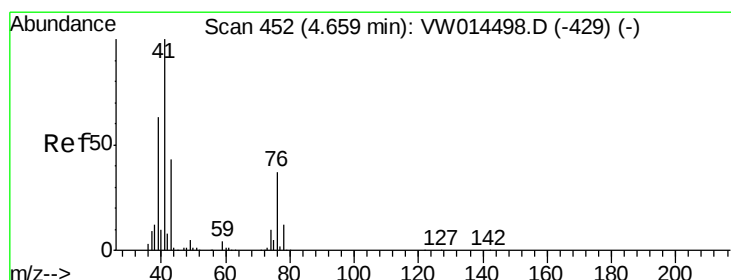
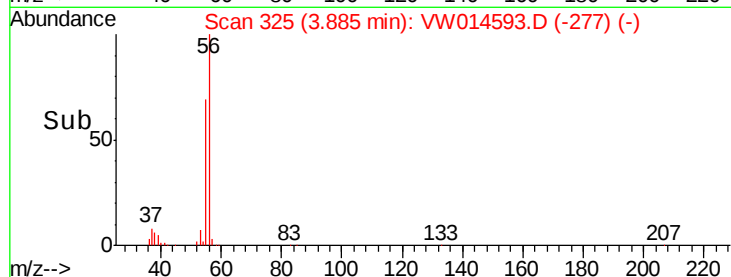
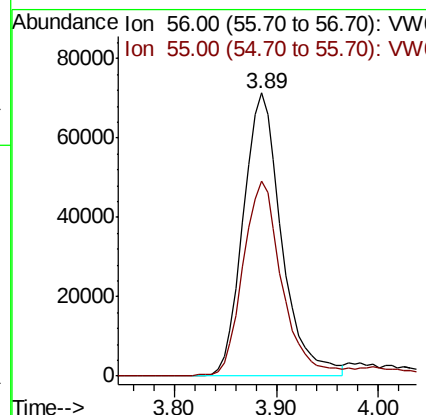
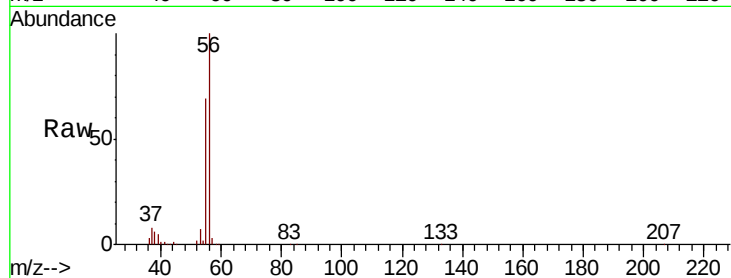
ClientSampleId :

Tot Ion: 56 Resp: 187030

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Allyl chloride

Concen: 51.480 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

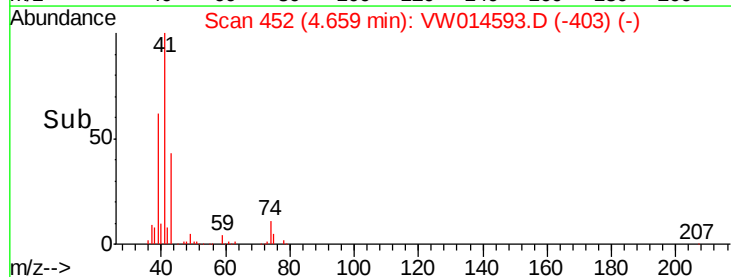
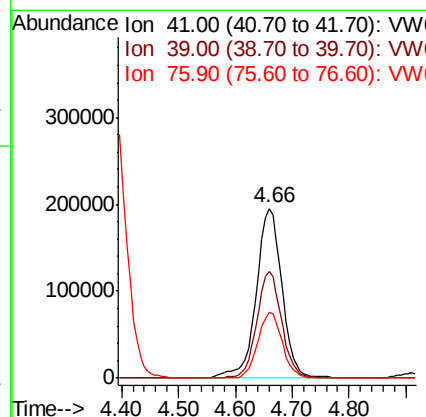
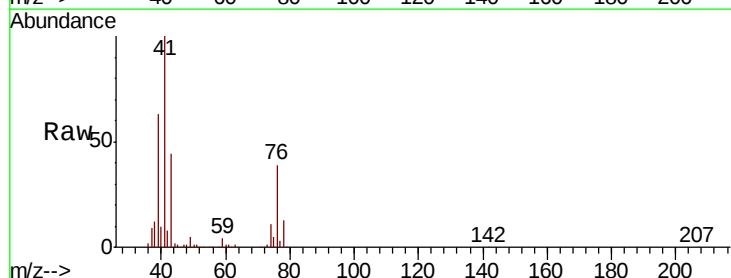
Tgt Ion: 41 Resp: 612073

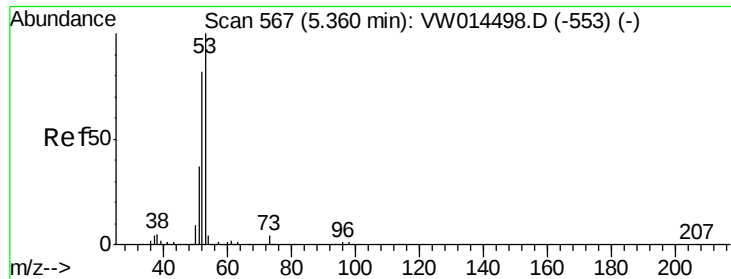
Ion Ratio Lower Upper

41 100

39 60.2 48.5 72.7

76 36.5 28.1 42.1





#15

Acrylonitrile

Concen: 288.231 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

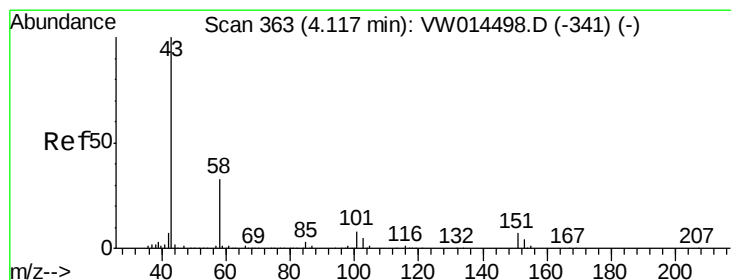
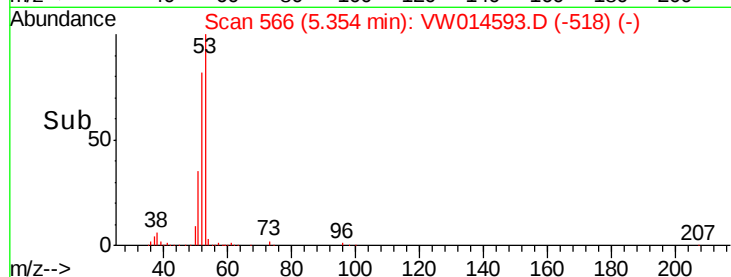
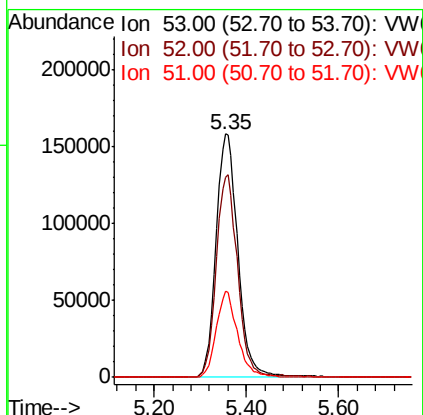
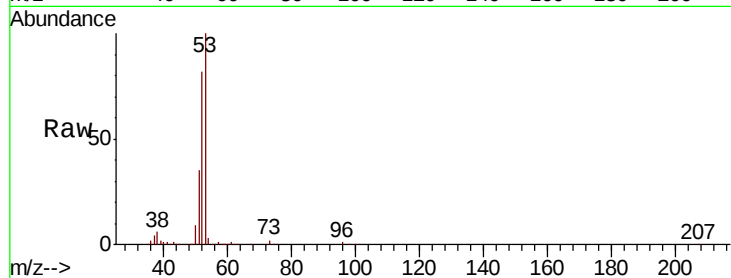
Tot Ion: 53 Resp: 521239

Ion Ratio Lower Upper

53 100

52 80.6 66.5 99.7

51 34.4 28.4 42.6



#16

Acetone

Concen: 268.560 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014593.D

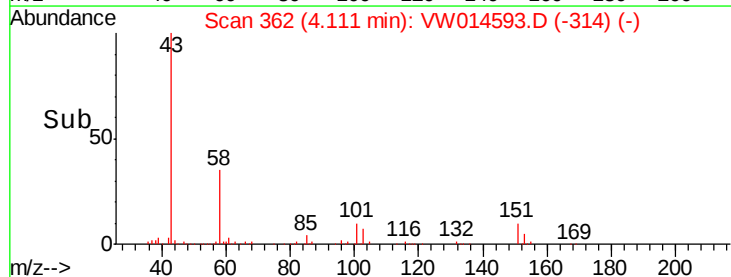
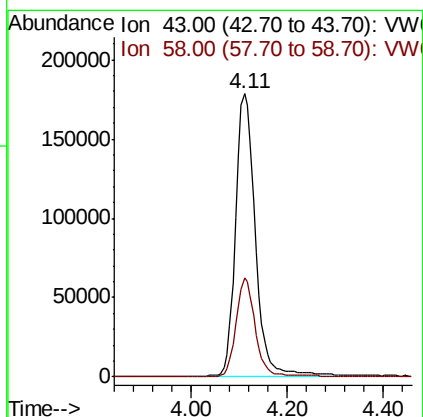
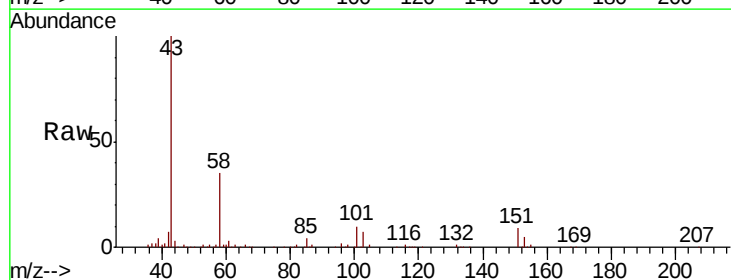
Acq: 09 Jan 2020 20:24

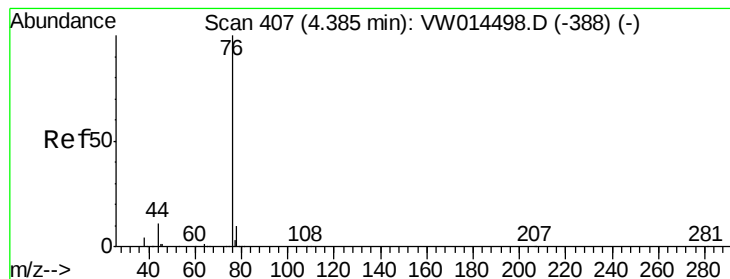
Tgt Ion: 43 Resp: 518361

Ion Ratio Lower Upper

43 100

58 34.8 26.6 39.8





#17

Carbon Disulfide

Concen: 50.427 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

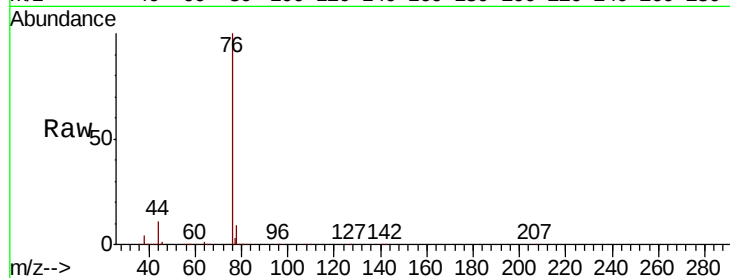
ClientSampled :

Tot Ion: 76 Resp: 1182512

Ion Ratio Lower Upper

76 100

78 9.1 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

400000

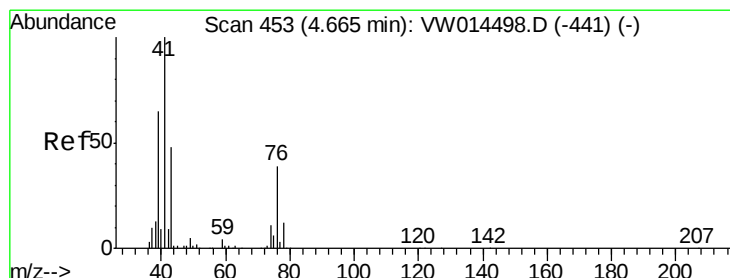
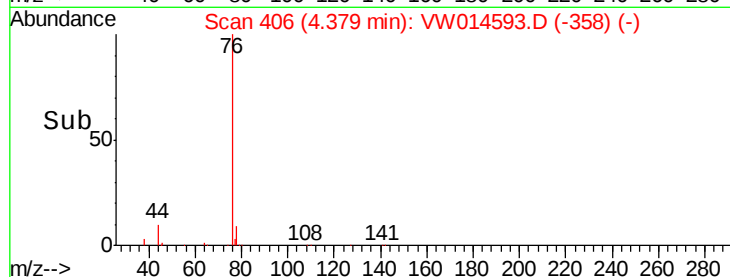
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.457 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014593.D

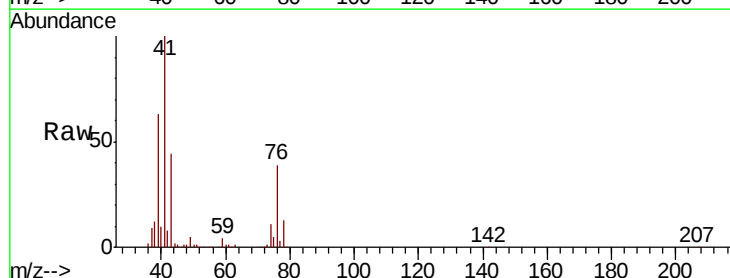
Acq: 09 Jan 2020 20:24

Tgt Ion: 43 Resp: 253856

Ion Ratio Lower Upper

43 100

74 25.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

100000

80000

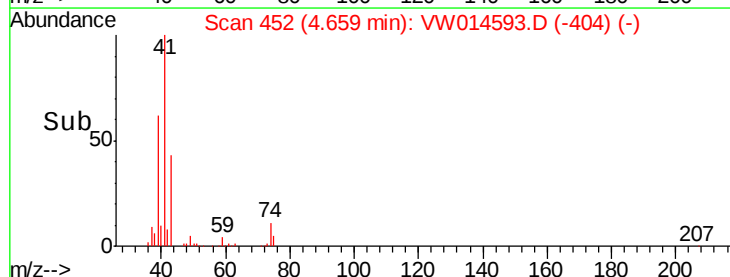
60000

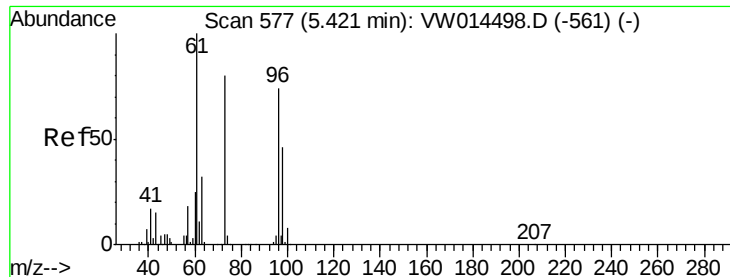
40000

20000

0

Time-->

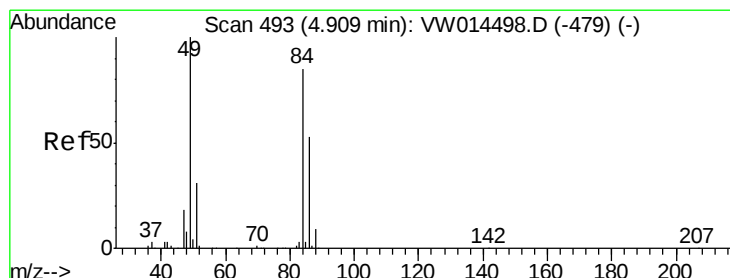
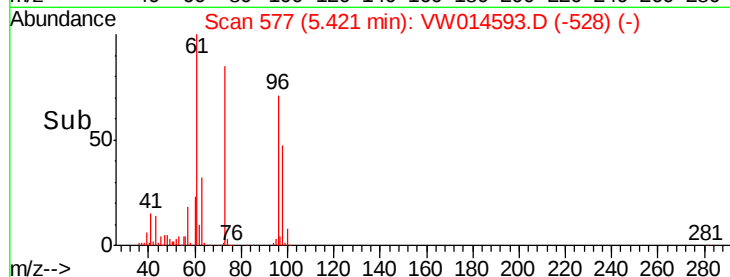
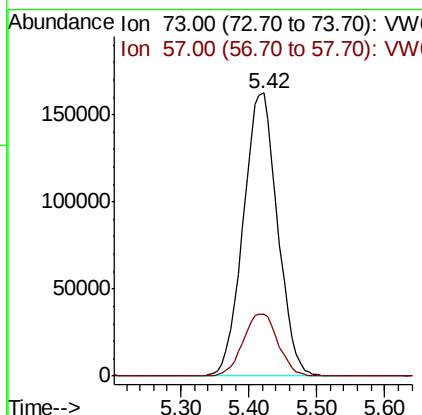
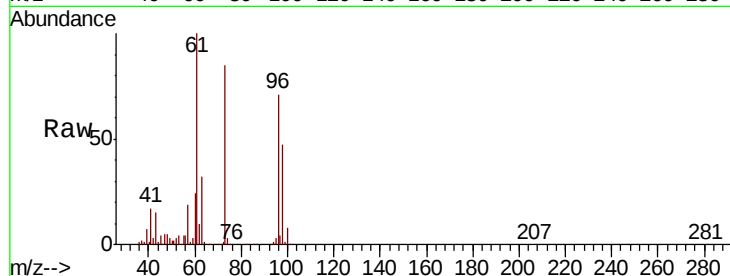




#19
Methvl tert-butvl Ether
Concen: 58.815 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

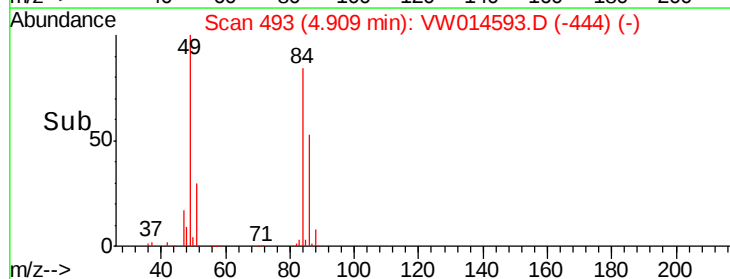
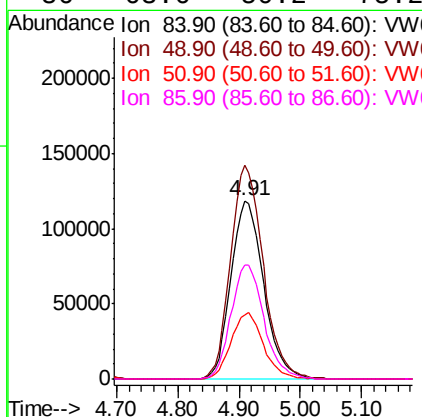
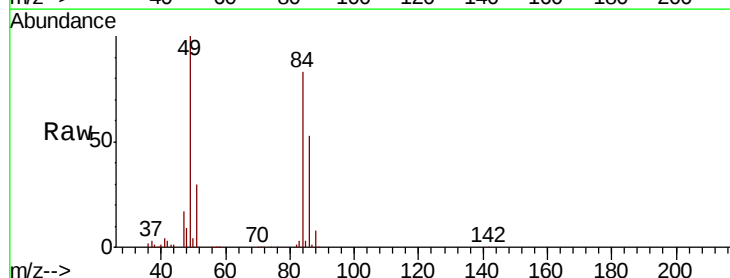
Instrument :
MSVOA_W
ClientSampleId :

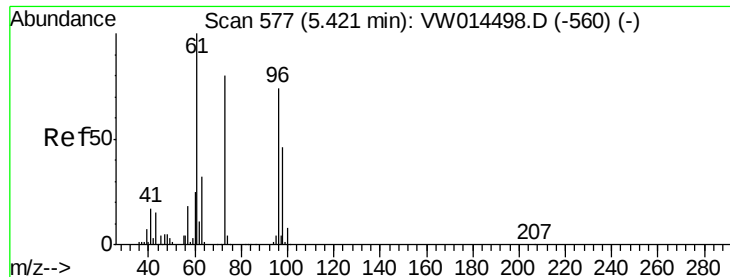
Tot Ion: 73 Resp: 568029
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 57.000 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 84 Resp: 440056
Ion Ratio Lower Upper
84 100
49 119.9 94.4 141.6
51 35.6 29.5 44.3
86 63.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 53.241 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampled :

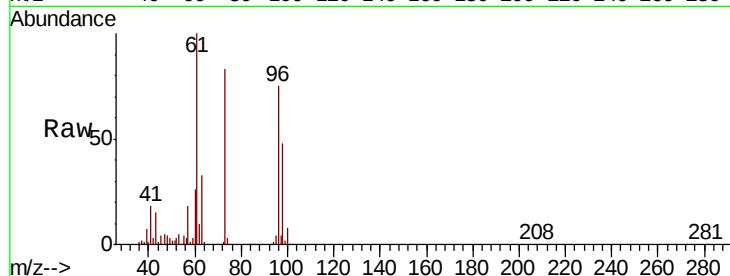
Tot Ion: 96 Resp: 439842

Ion Ratio Lower Upper

96 100

61 132.6 107.8 161.6

98 63.5 49.4 74.0

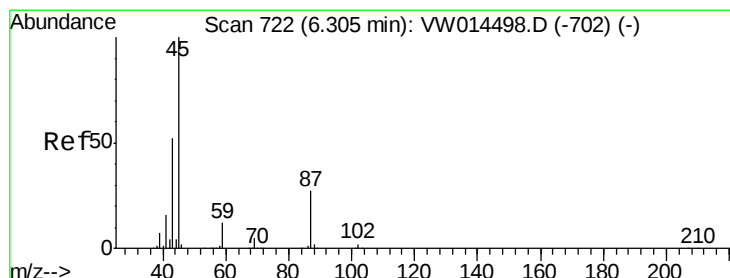
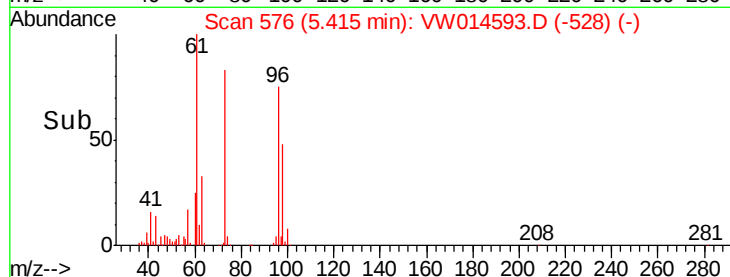
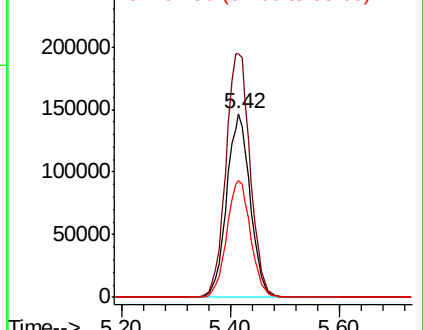


Abundance

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: 54.007 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion: 45 Resp: 1201880

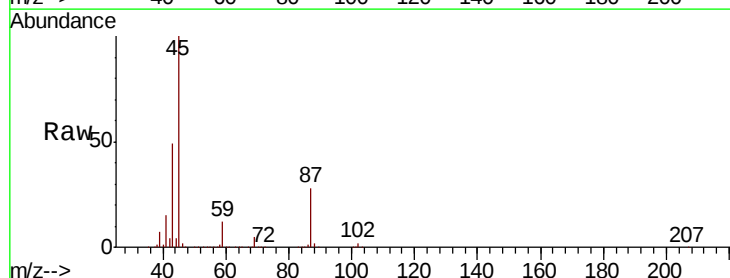
Ion Ratio Lower Upper

45 100

43 49.3 41.4 62.0

87 27.6 22.2 33.2

59 11.7 9.5 14.3



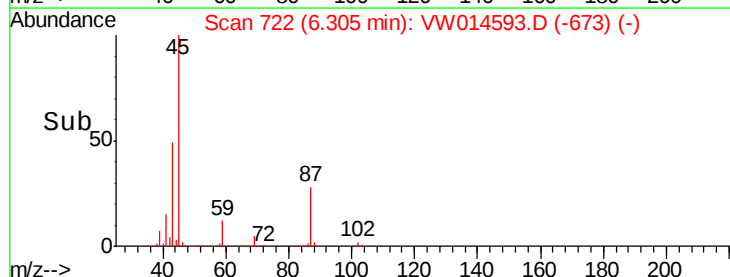
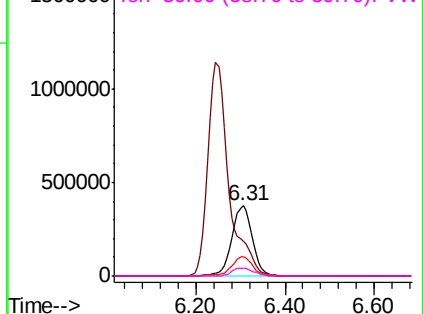
Abundance

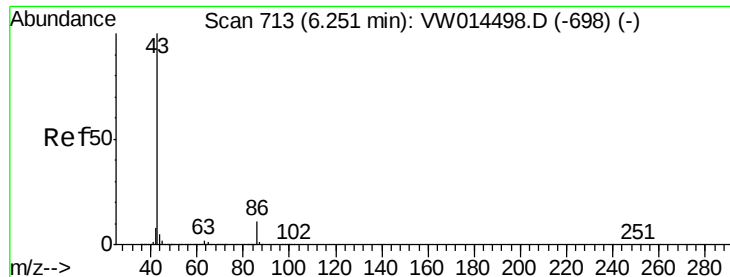
Ion 45.00 (44.70 to 45.70): VW

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: 276.350 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

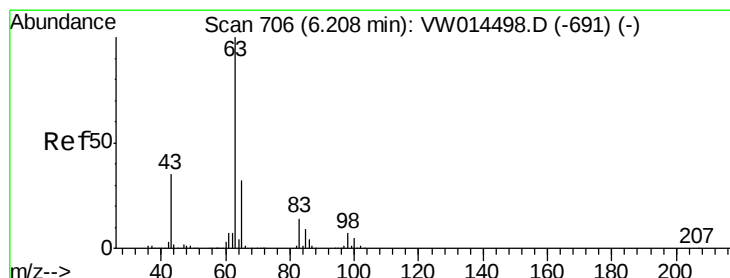
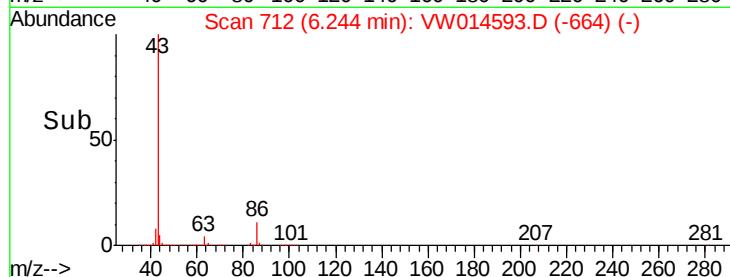
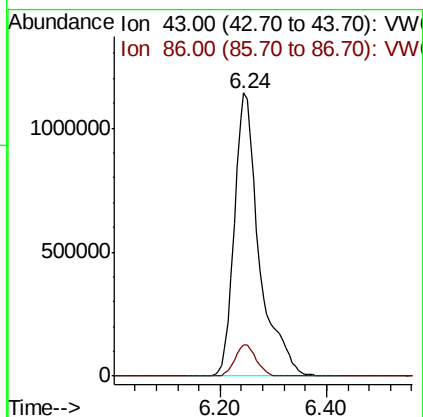
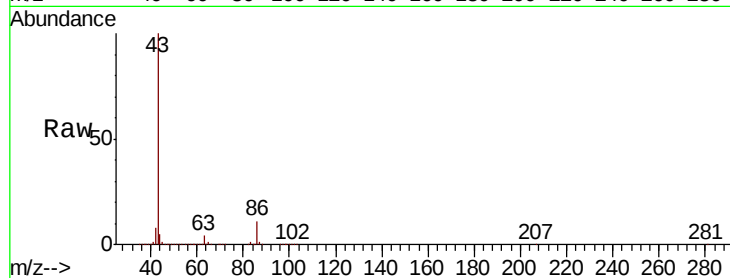
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3713686

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



#24

1,1-Dichloroethane

Concen: 53.371 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

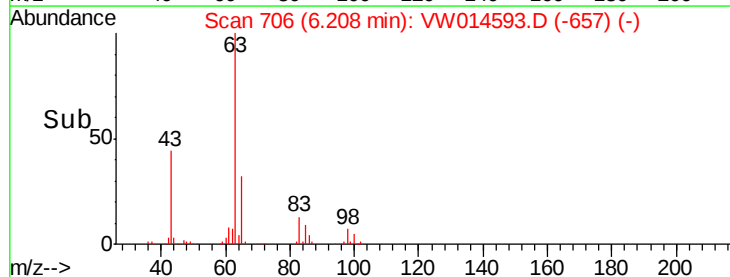
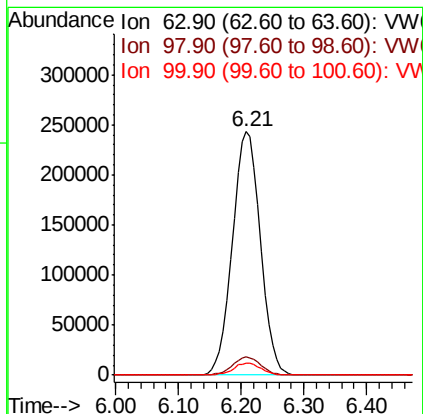
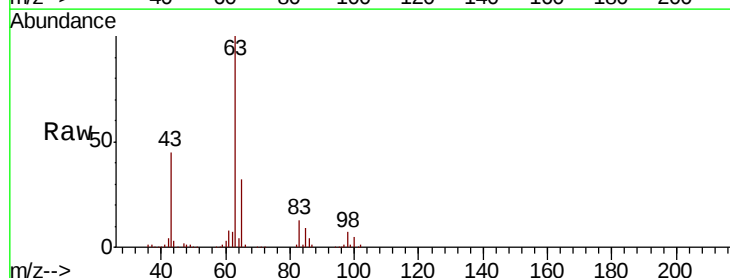
Tgt Ion: 63 Resp: 749210

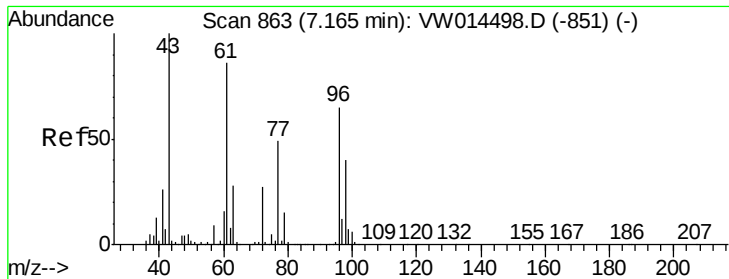
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 279.559 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

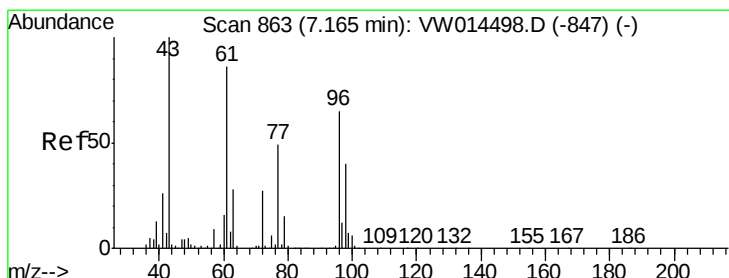
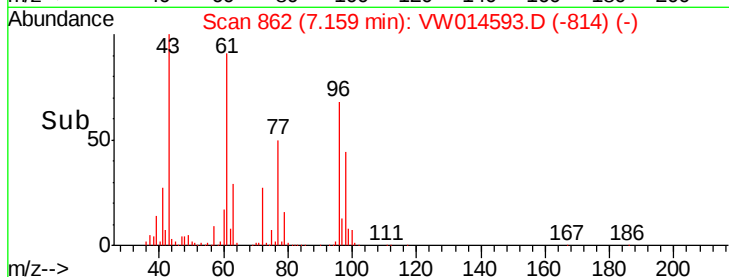
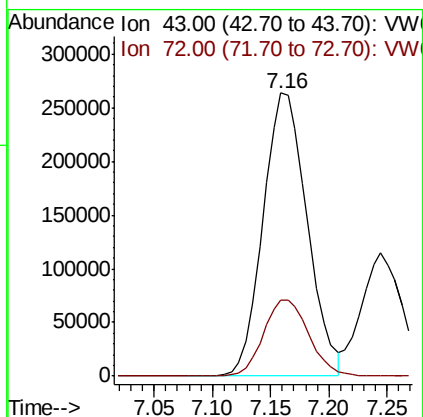
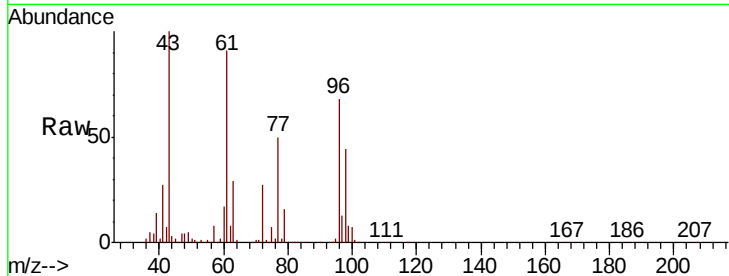
ClientSampled :

Tot Ion: 43 Resp: 692469

Ion Ratio Lower Upper

43 100

72 27.0 21.9 32.9



#26

2,2-Dichloropropane

Concen: 49.551 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014593.D

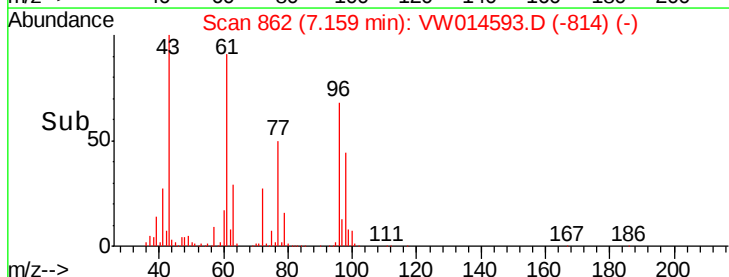
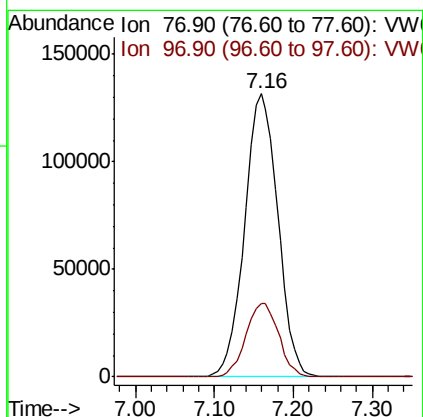
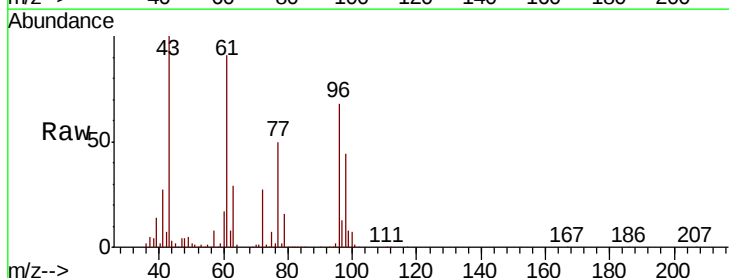
Acq: 09 Jan 2020 20:24

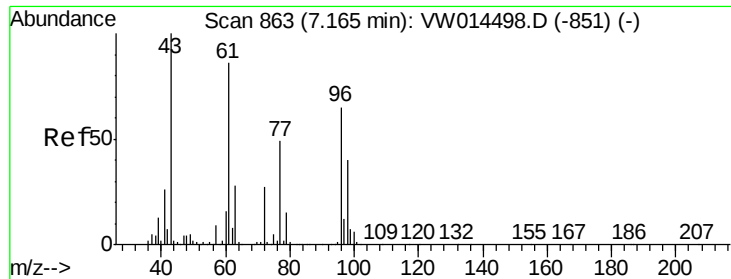
Tgt Ion: 77 Resp: 385103

Ion Ratio Lower Upper

77 100

97 25.7 12.5 37.5



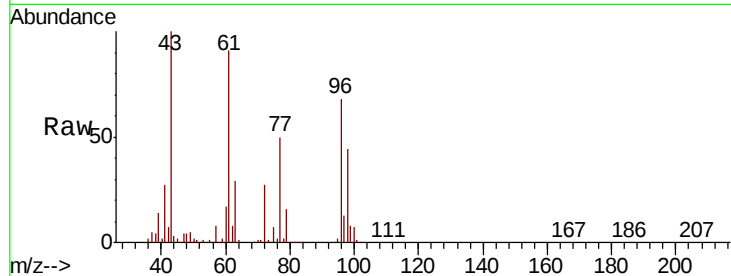


#27

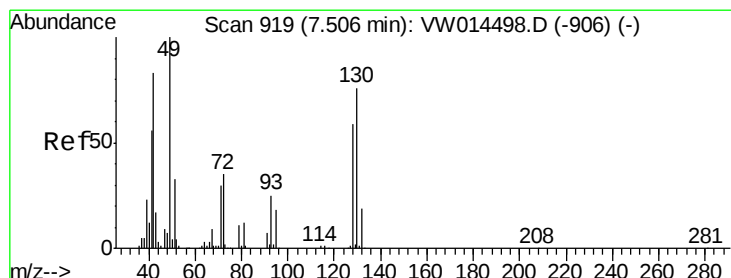
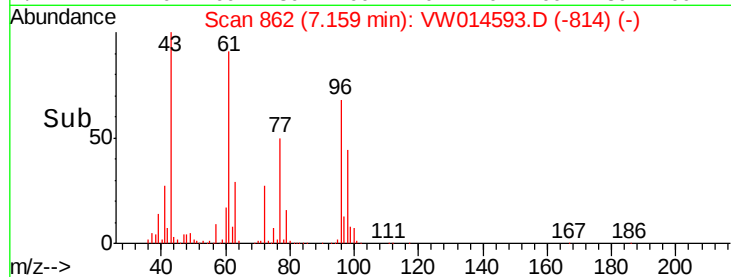
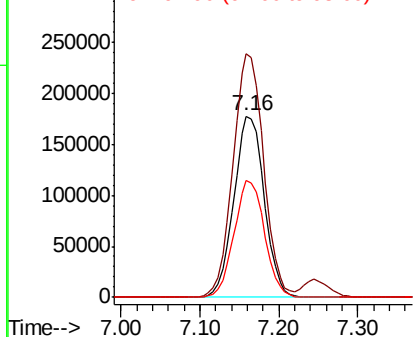
cis-1,2-Dichloroethene
Concen: 54.870 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	274.8
98	64.4	0.0	128.6



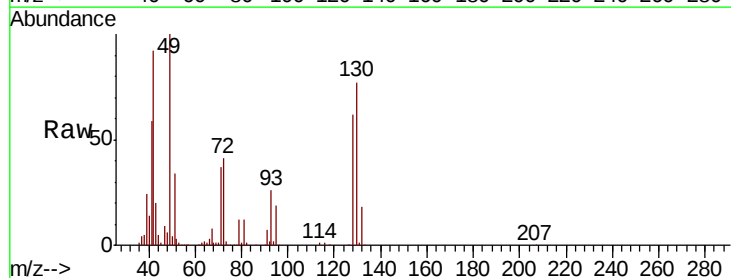
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



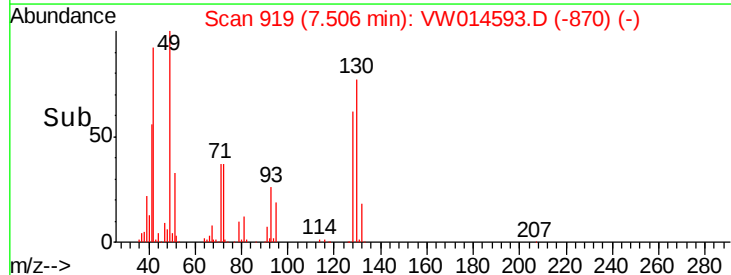
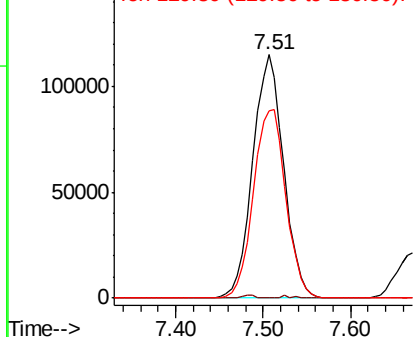
#28

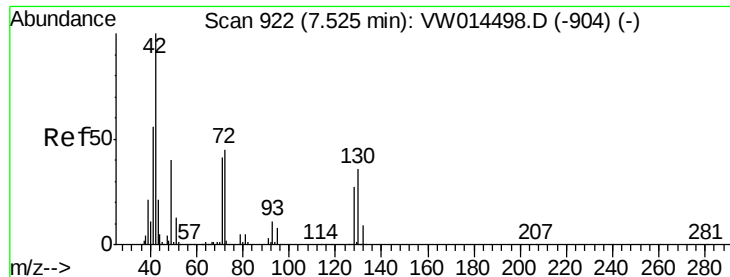
Bromochloromethane
Concen: 51.050 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.0
130	81.6	62.5	93.7



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

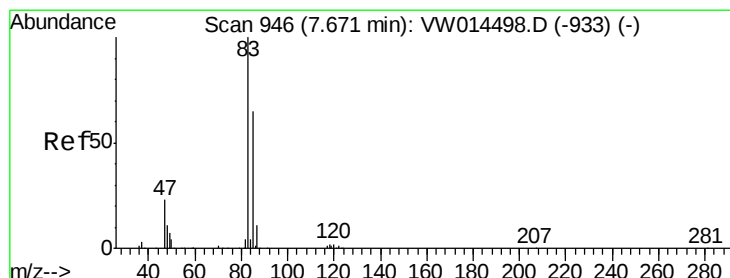
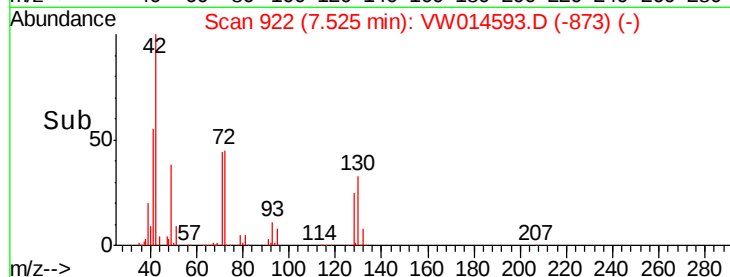
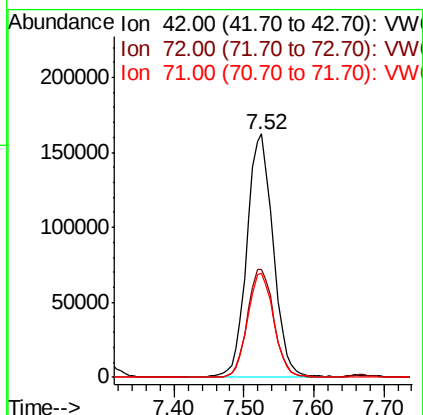
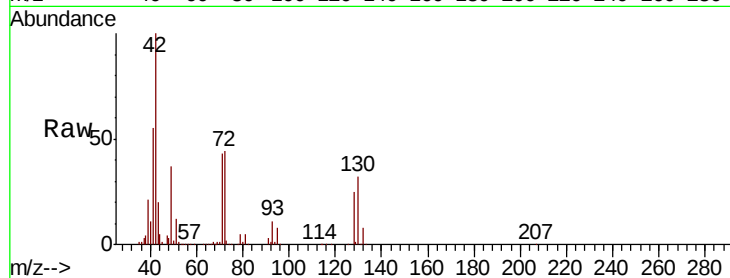




#29
Tetrahydrofuran
Concen: 276.359 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

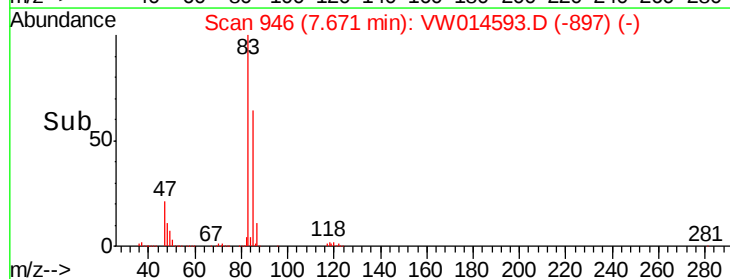
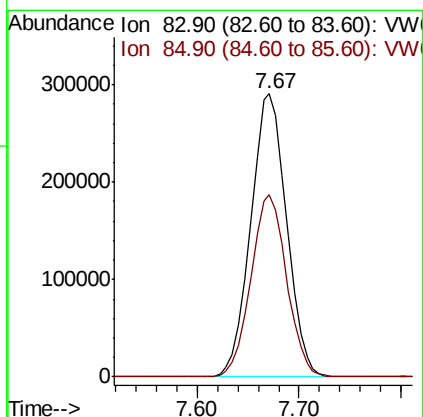
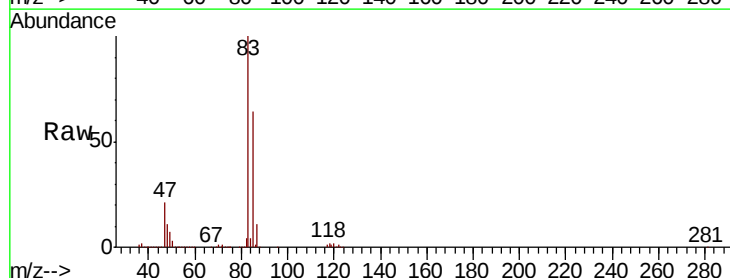
Instrument :
MSVOA_W
ClientSampleId :

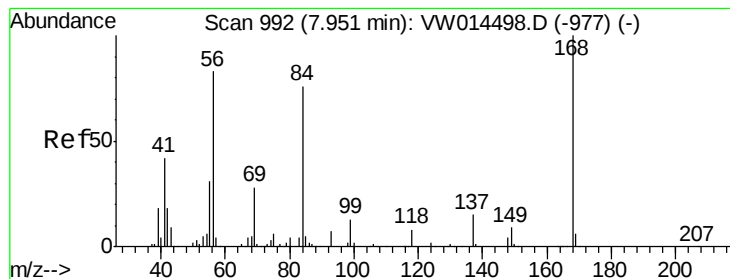
Tot Ion: 42 Resp: 424079
Ion Ratio Lower Upper
42 100
72 44.8 34.5 51.7
71 42.6 32.0 48.0



#30
Chloroform
Concen: 54.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 83 Resp: 709627
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.2





#31

Cyclohexane

Concen: 50.346 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampled :

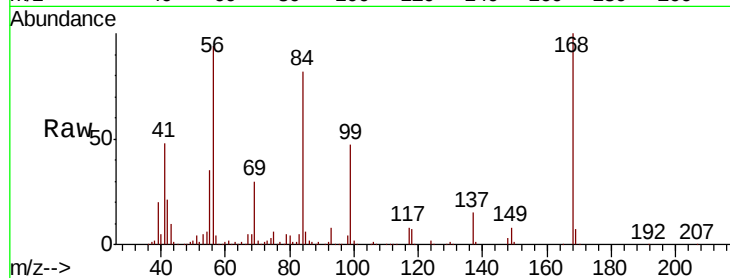
Tot Ion: 56 Resp: 734474

Ion Ratio Lower Upper

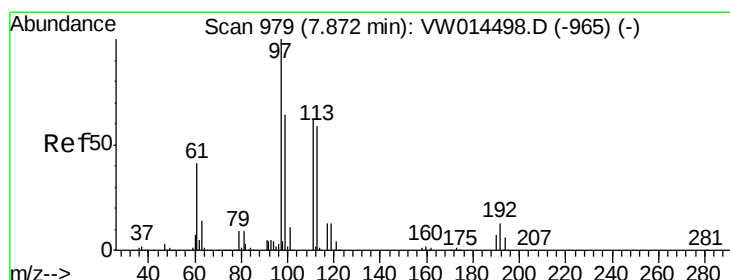
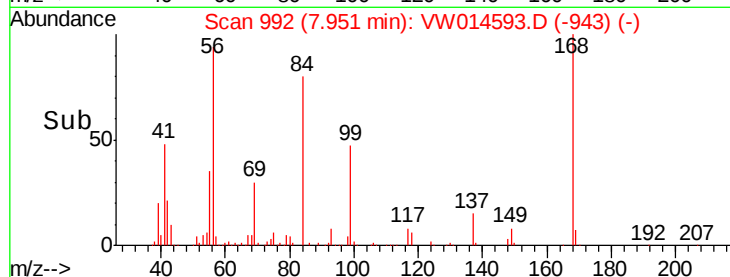
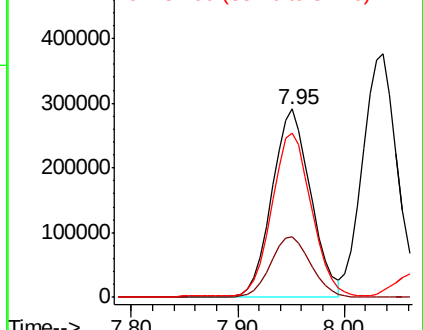
56 100

69 32.1 26.8 40.2

84 86.6 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 53.668 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

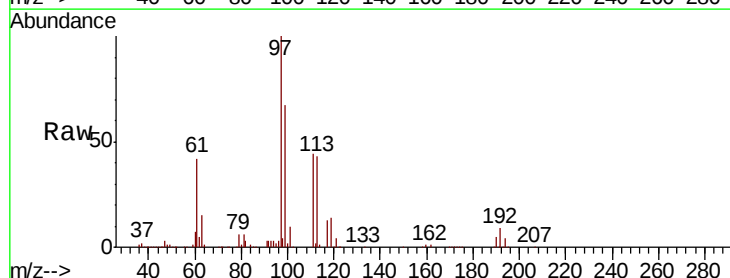
Tgt Ion: 97 Resp: 566603

Ion Ratio Lower Upper

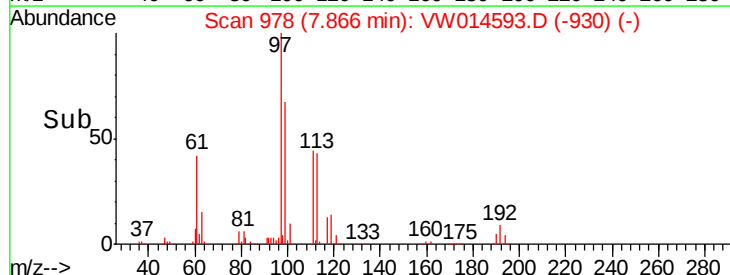
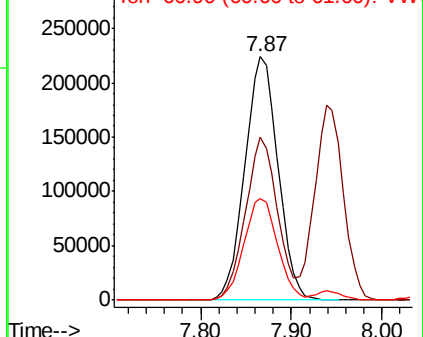
97 100

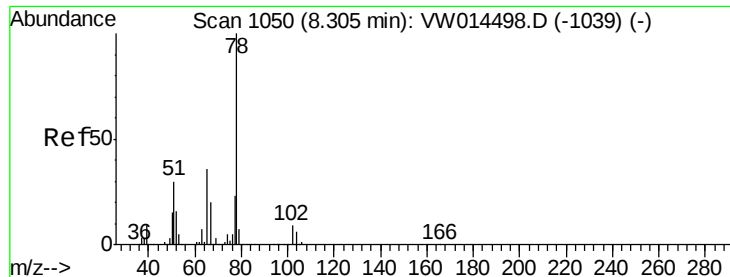
99 64.2 51.8 77.6

61 42.5 33.8 50.8



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

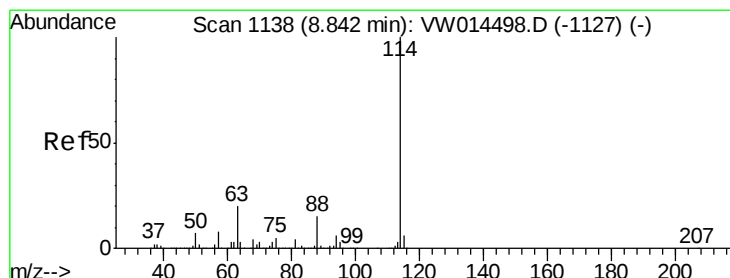
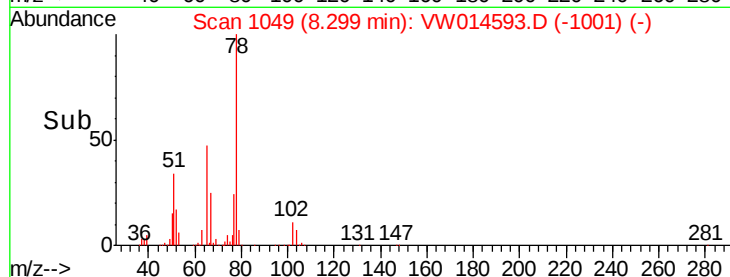
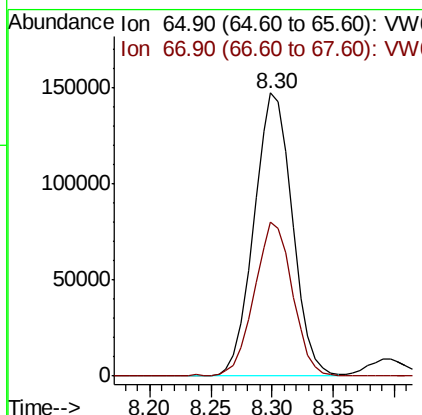
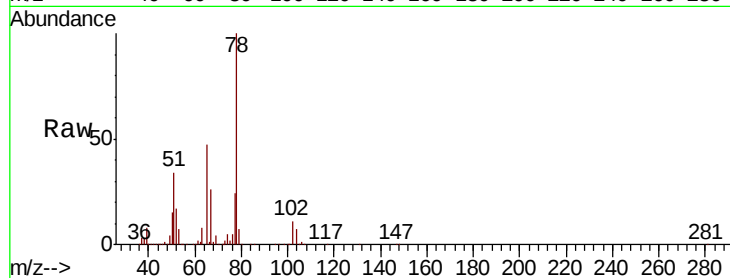




#33
 1,2-Dichloroethane-d4
 Concen: 46.947 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

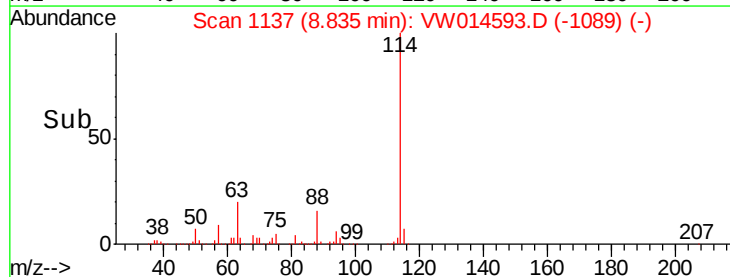
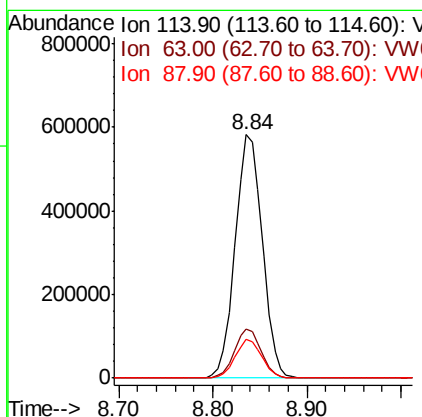
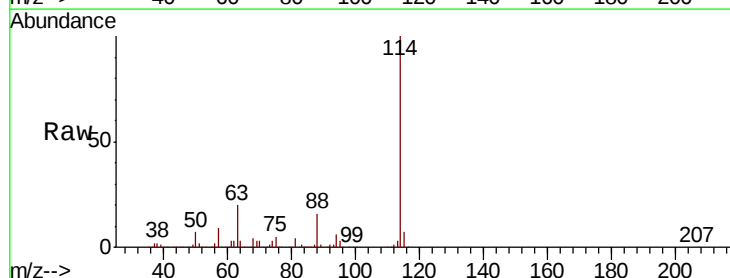
Instrument :
 MSVOA_W
 ClientSampleId :

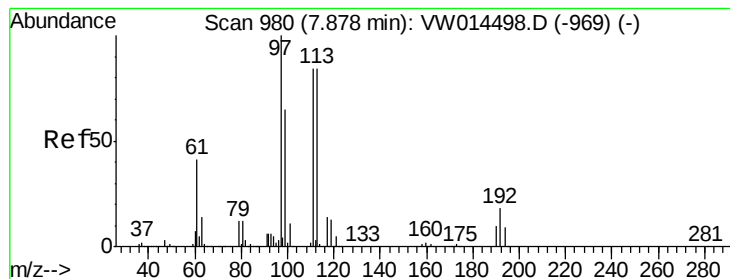
Tot Ion: 65 Resp: 320909
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion: 114 Resp: 1164421
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.057 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

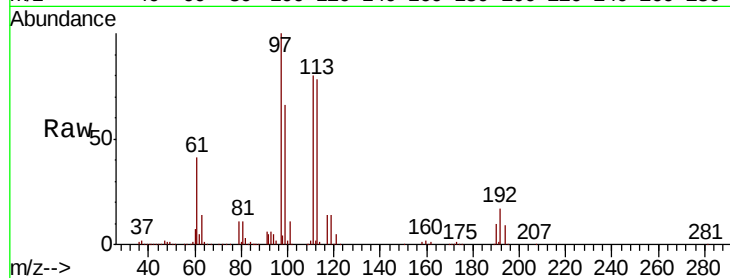
Tot Ion:113 Resp: 326470

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

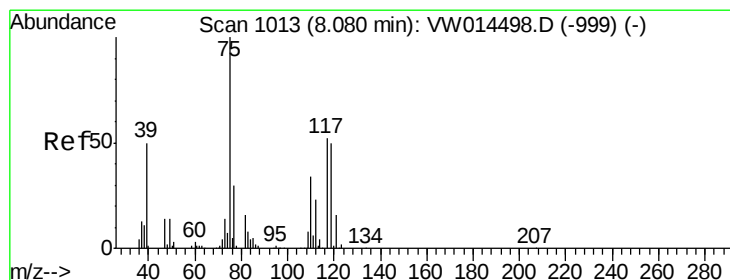
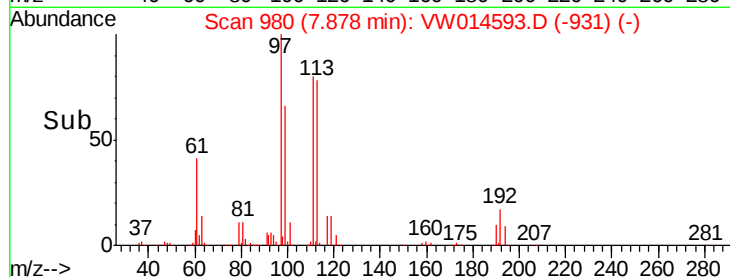
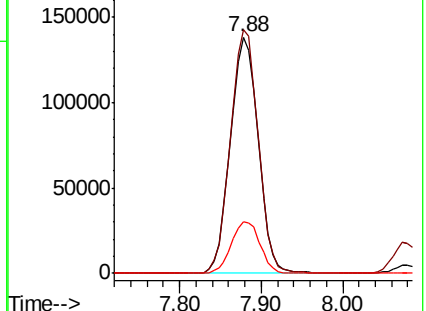
192 22.4 17.8 26.8



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: 53.523 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

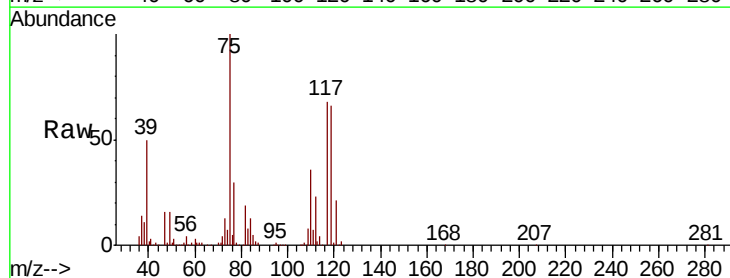
Tgt Ion: 75 Resp: 600831

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.5

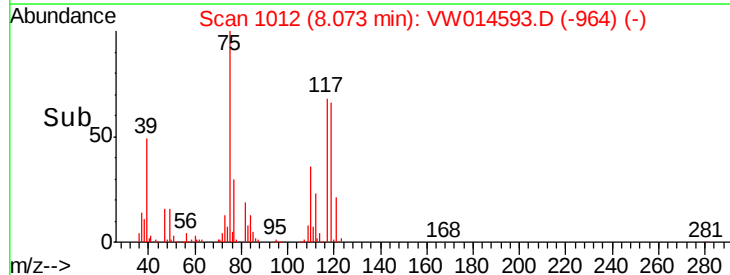
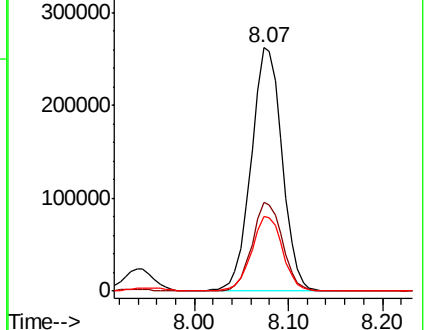
77 30.6 24.7 37.1

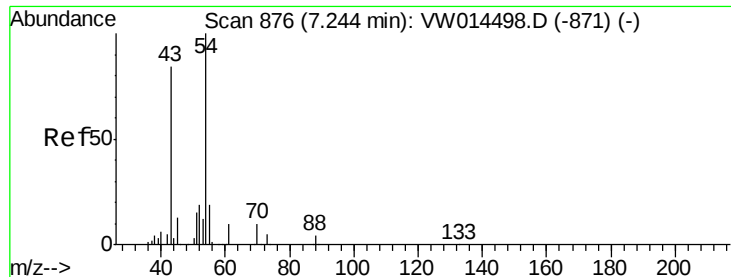


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 56.506 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

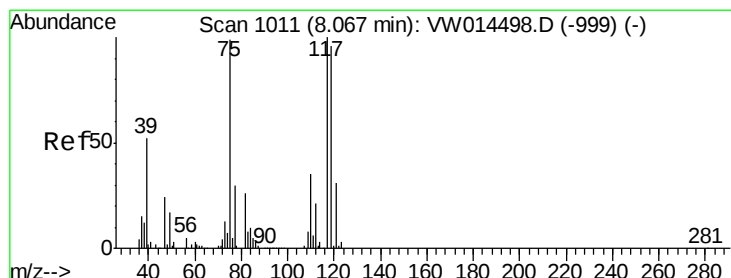
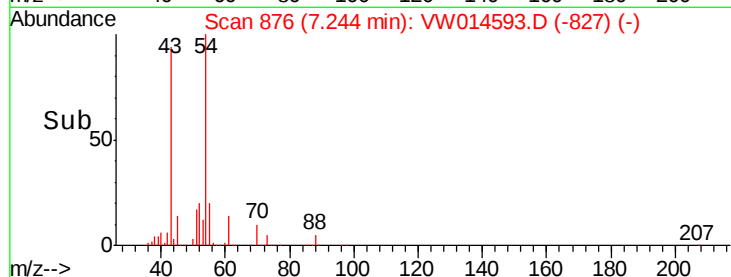
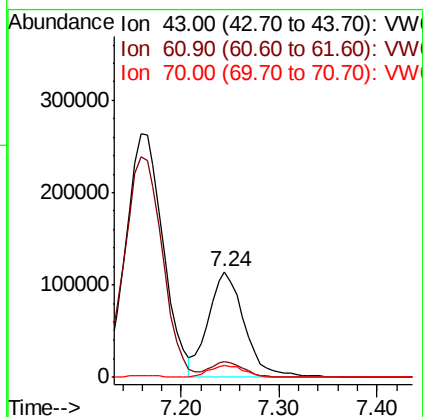
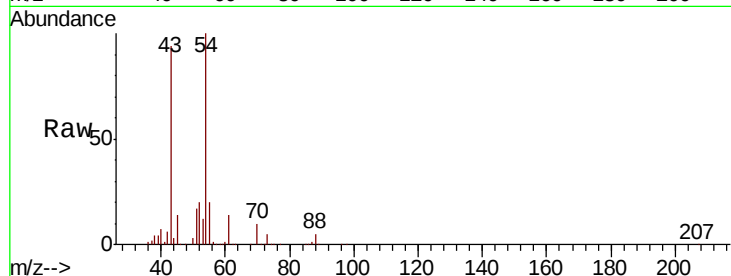
Tot Ion: 43 Resp: 287682

Ion Ratio Lower Upper

43 100

61 13.5 11.7 17.5

70 11.4 9.0 13.6



#38

Carbon Tetrachloride

Concen: 54.132 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

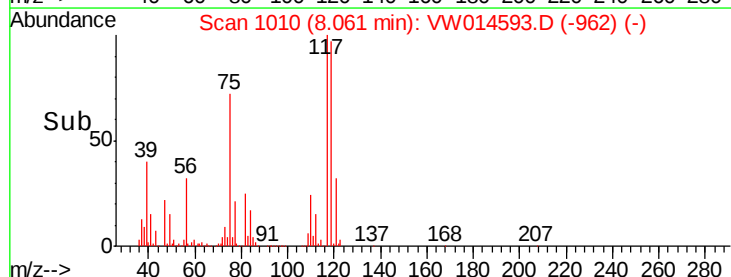
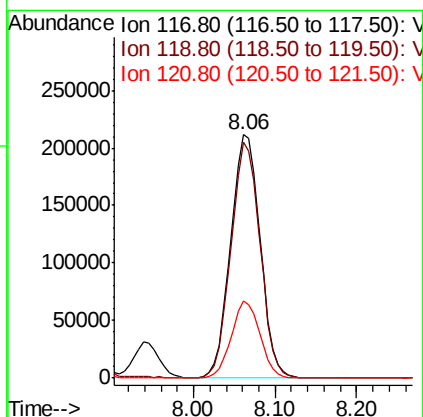
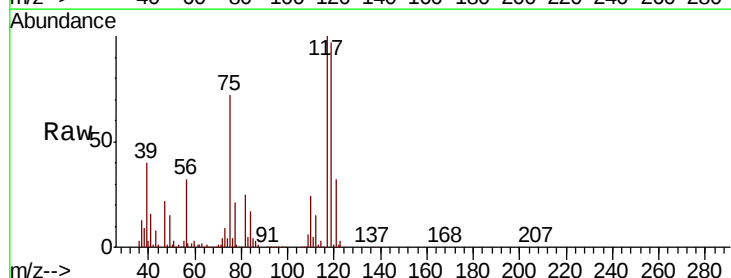
Tgt Ion: 117 Resp: 527183

Ion Ratio Lower Upper

117 100

119 96.7 77.0 115.6

121 31.9 24.6 36.8

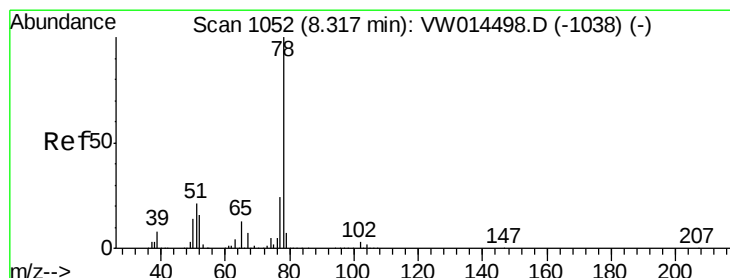
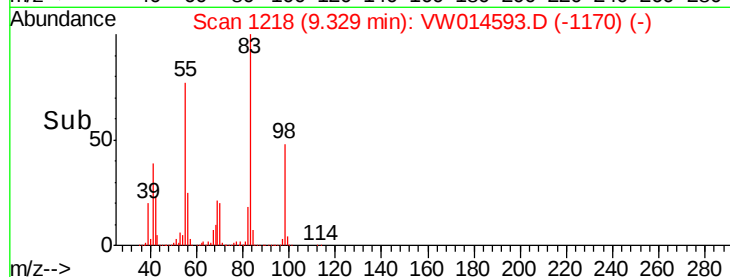
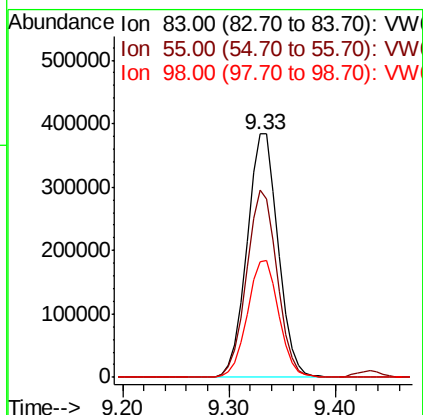
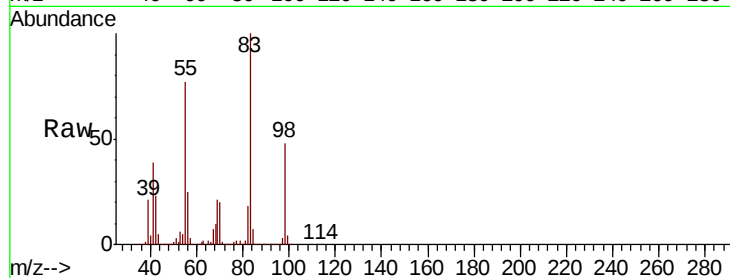




#39
Methvlcvclohexane
Concen: 54.923 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

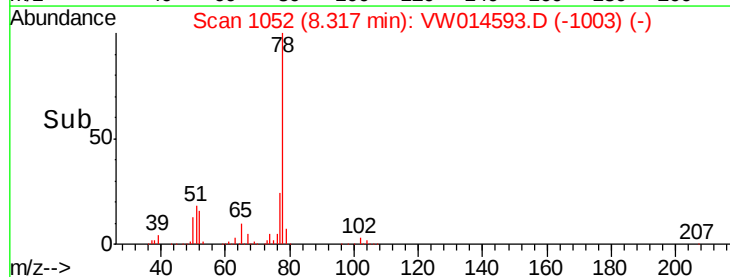
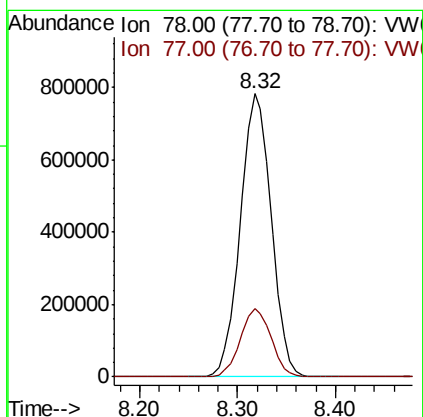
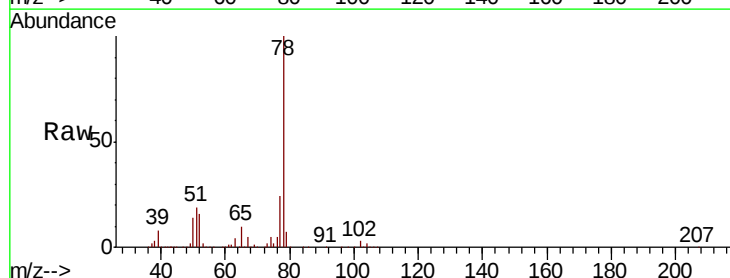
Instrument :
MSVOA_W
ClientSampleId :

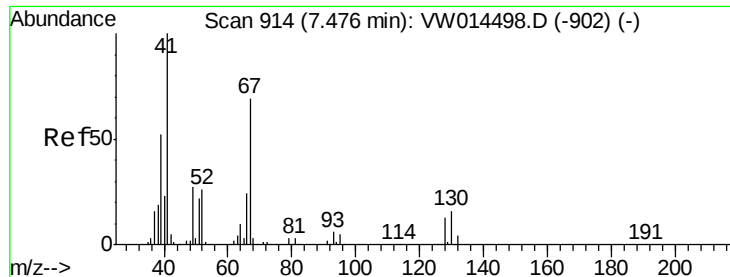
Tot Ion: 83 Resp: 791208
Ion Ratio Lower Upper
83 100
55 76.9 60.1 90.1
98 47.6 38.8 58.2



#40
Benzene
Concen: 54.260 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 78 Resp: 1723340
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

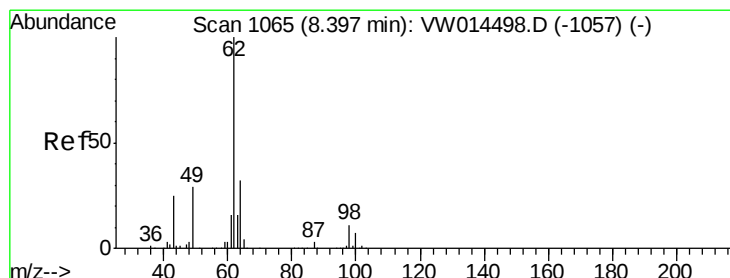
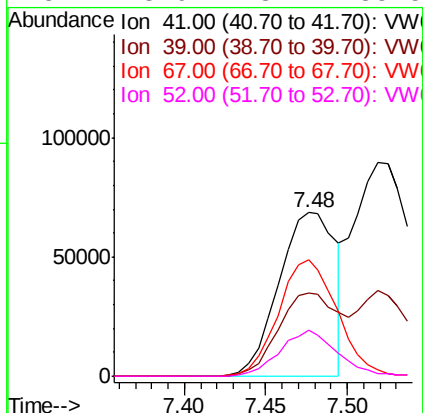
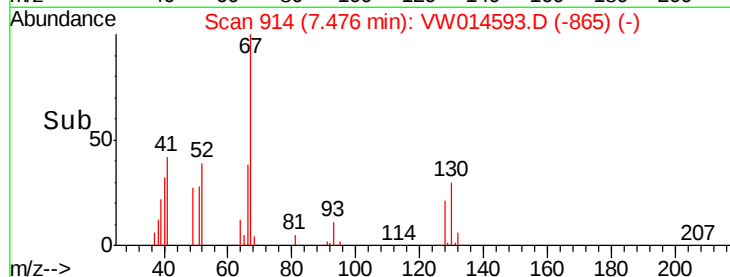
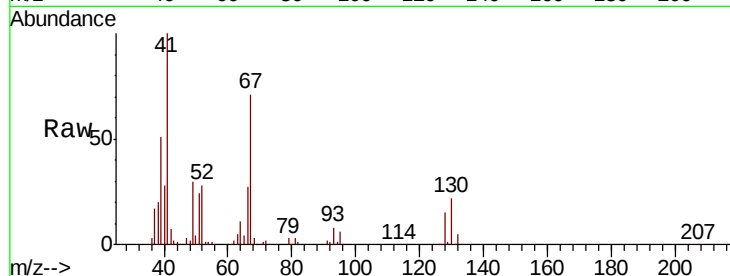




#41
Methacrylonitrile
Concen: 58.480 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

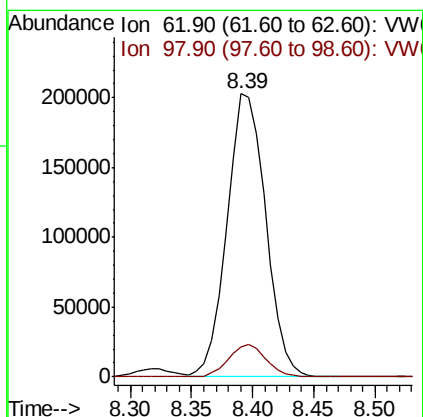
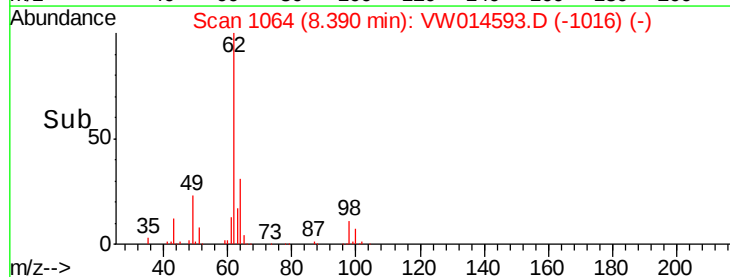
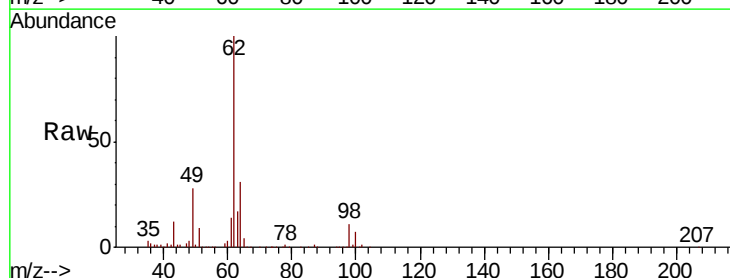
Instrument :
MSVOA_W
ClientSampled :

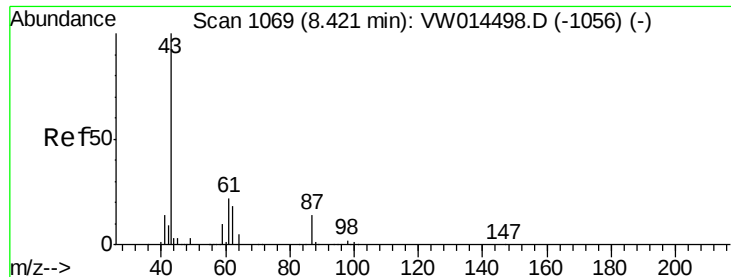
Tot Ion:	41	Resp:	165964
Ion	Ratio	Lower	Upper
41	100		
39	55.5	46.0	69.0
67	73.5	60.8	91.2
52	28.9	23.7	35.5



#42
1,2-Dichloroethane
Concen: 53.760 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:	62	Resp:	443106
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0

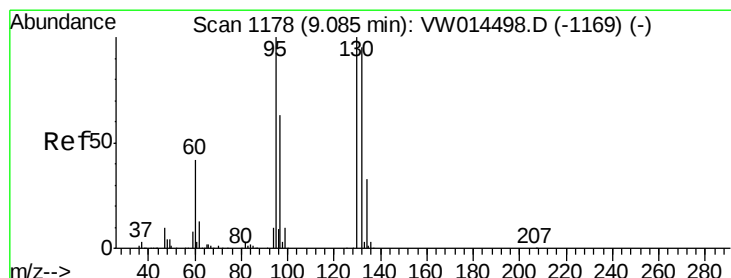
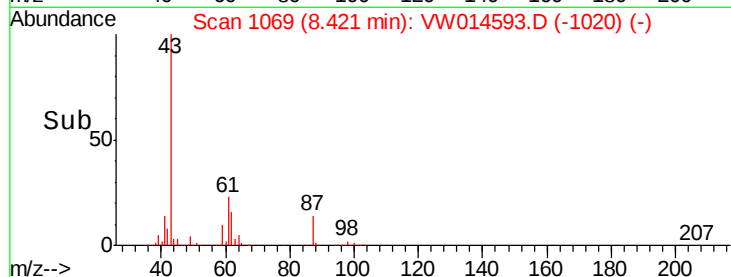
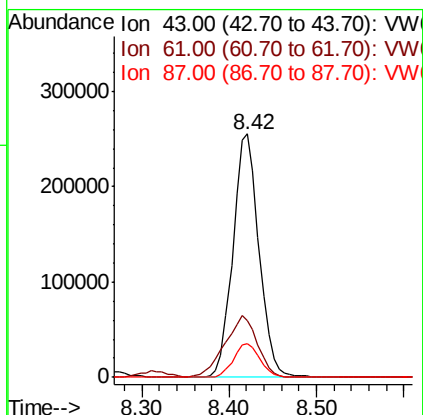
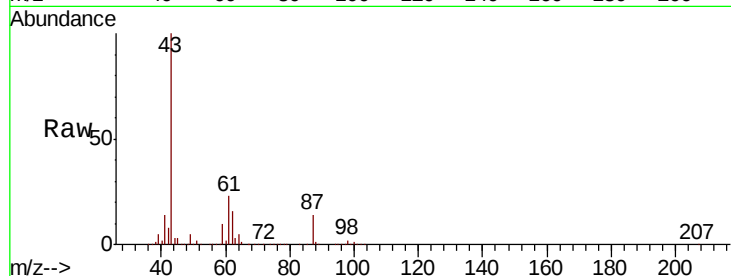




#43
Isopropyl Acetate
Concen: 57.247 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

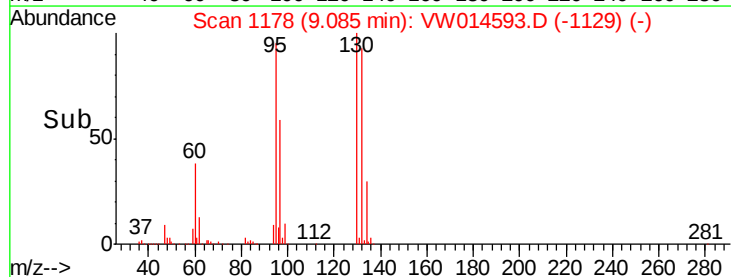
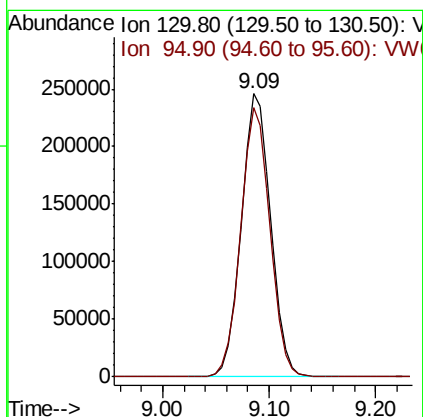
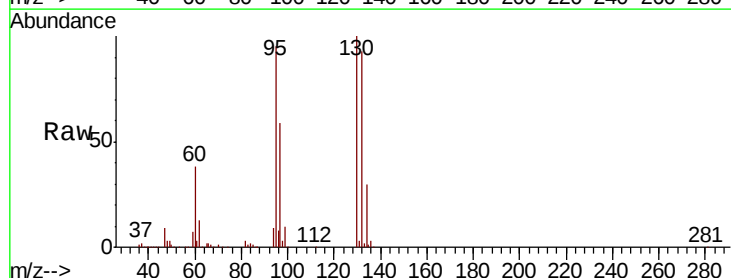
Instrument :
MSVOA_W
ClientSampleId :

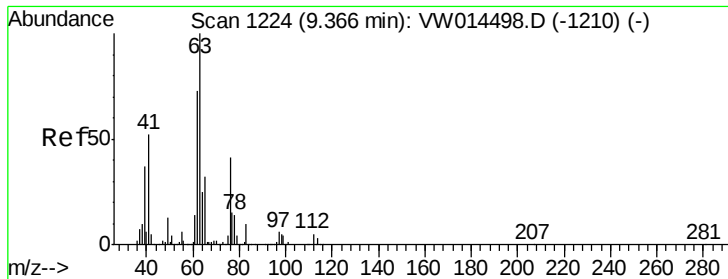
Tot Ion: 43 Resp: 529245
Ion Ratio Lower Upper
43 100
61 31.4 24.7 37.1
87 13.8 11.1 16.7



#44
Trichloroethene
Concen: 55.421 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:130 Resp: 476303
Ion Ratio Lower Upper
130 100
95 95.1 0.0 199.4

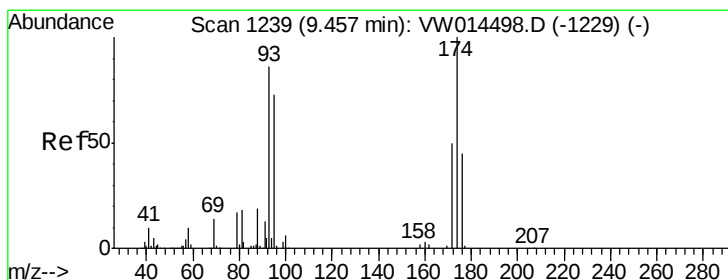
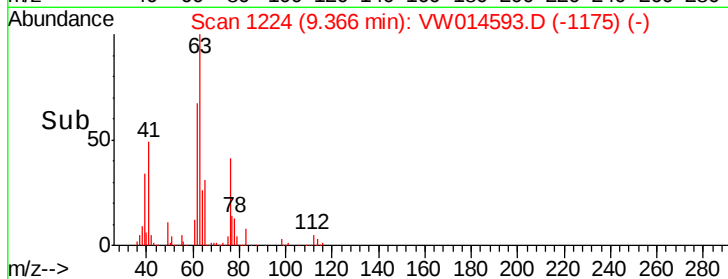
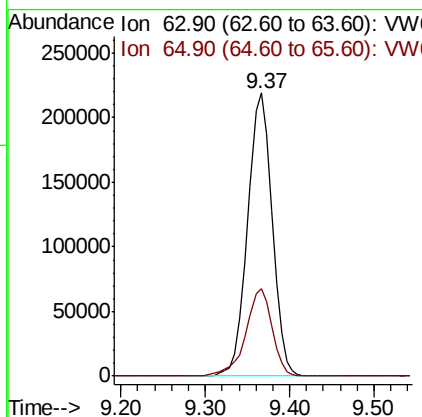
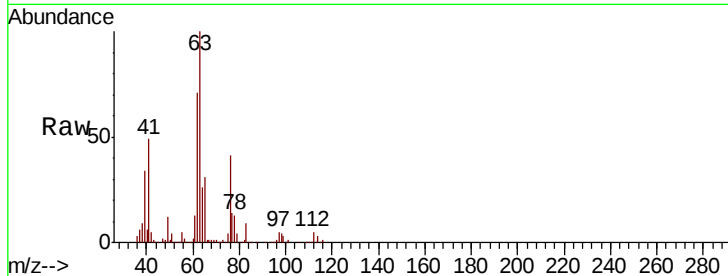




#45
 1,2-Dichloropropane
 Concen: 55.145 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

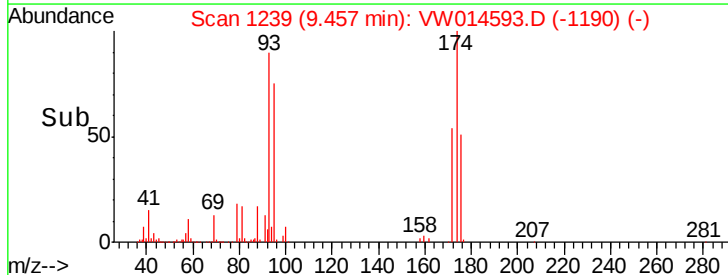
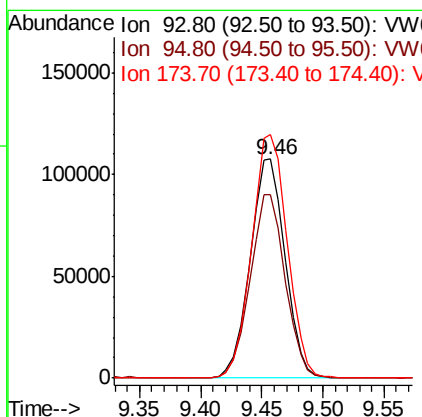
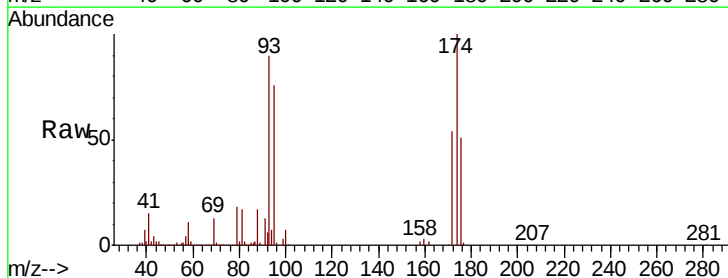
Instrument :
 MSVOA_W
 ClientSampleId :

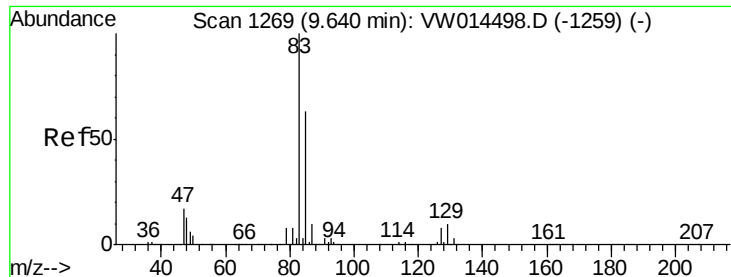
Tot Ion: 63 Resp: 429795
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4



#46
 Dibromomethane
 Concen: 55.620 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion: 93 Resp: 214004
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.4 99.6
 174 113.5 89.1 133.7





#47

Bromodichloromethane

Concen: 55.418 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

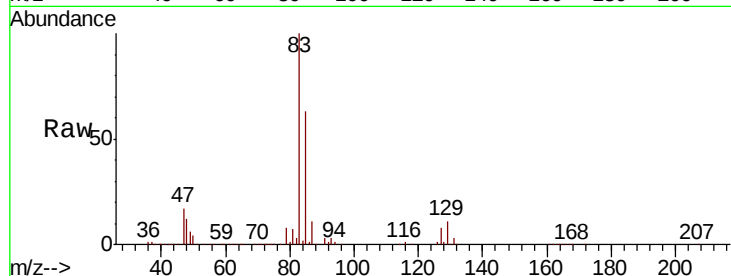
Tot Ion: 83 Resp: 526424

Ion Ratio Lower Upper

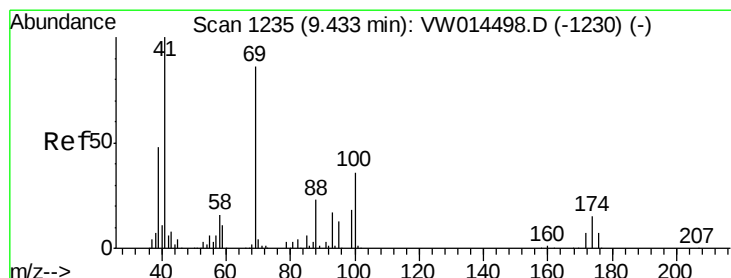
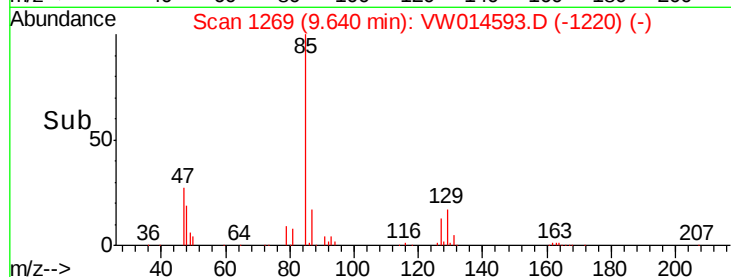
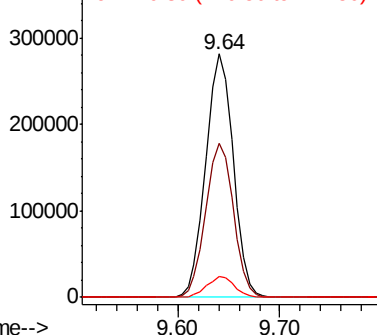
83 100

85 63.0 50.6 76.0

127 8.4 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: 57.424 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

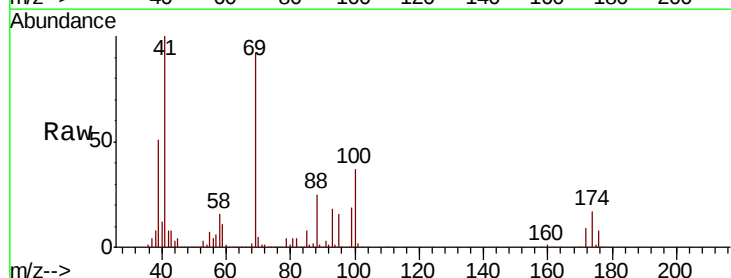
Tgt Ion: 41 Resp: 259198

Ion Ratio Lower Upper

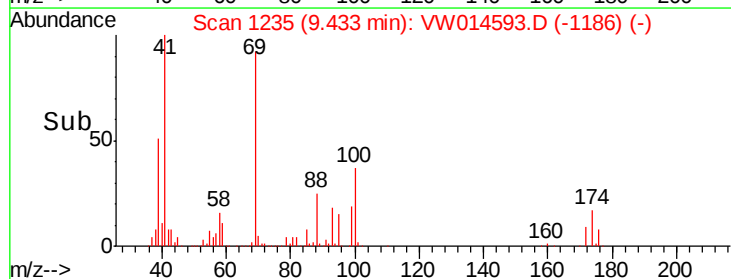
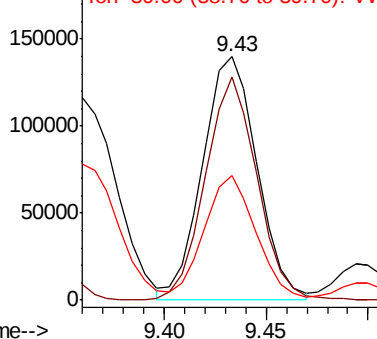
41 100

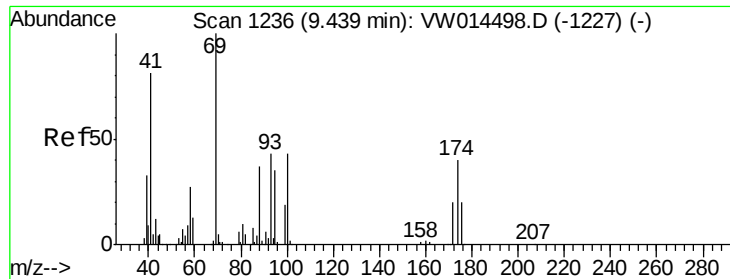
69 86.7 68.3 102.5

39 45.9 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

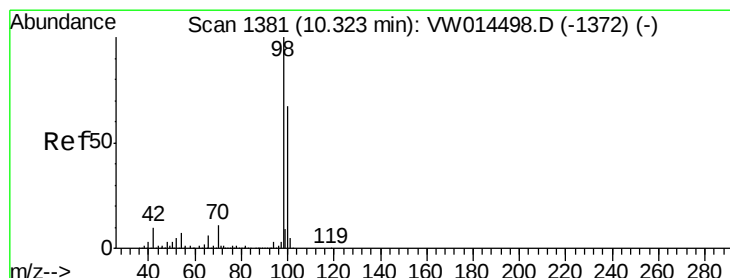
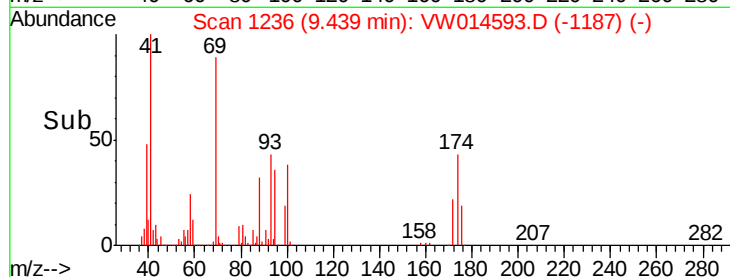
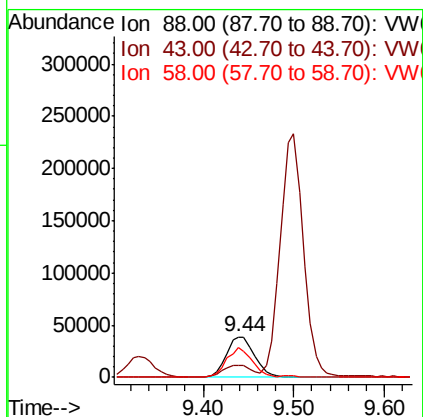
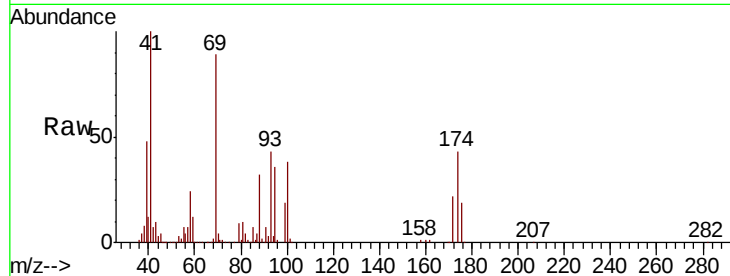




#49
1,4-Dioxane
Concen: 1156.577 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

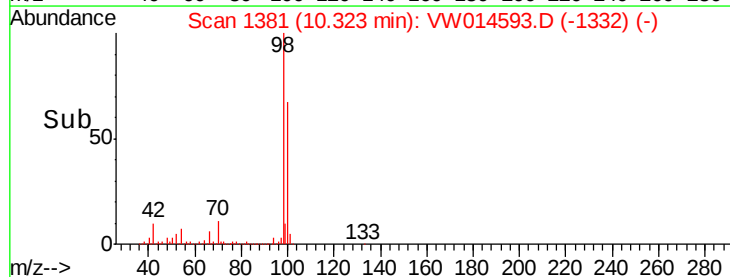
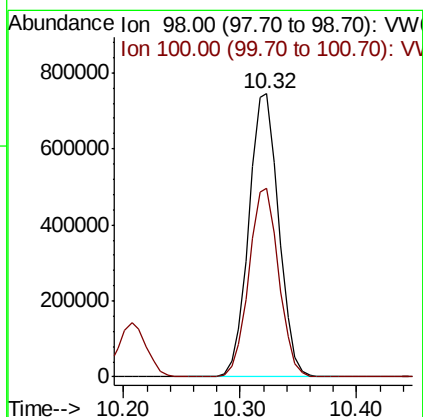
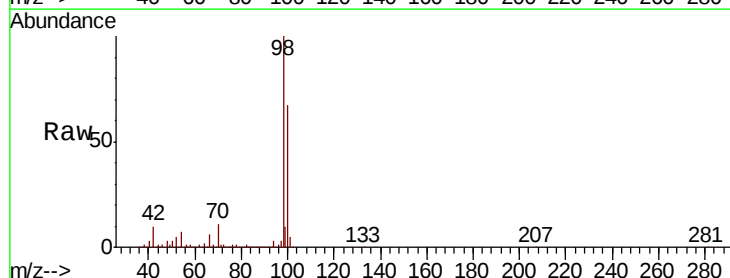
Instrument :
MSVOA_W
ClientSampleId :

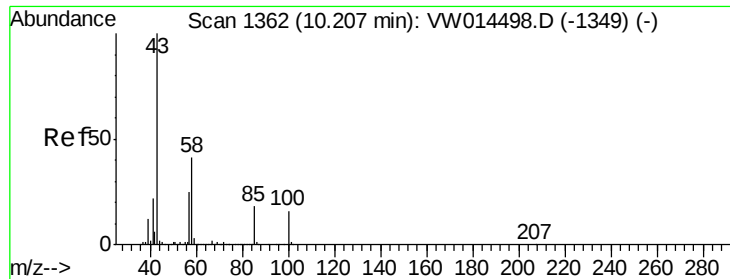
Tot Ion: 88 Resp: 83231
Ion Ratio Lower Upper
88 100
43 29.8 24.9 37.3
58 67.6 56.9 85.3



#50
Toluene-d8
Concen: 48.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 98 Resp: 1336794
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6

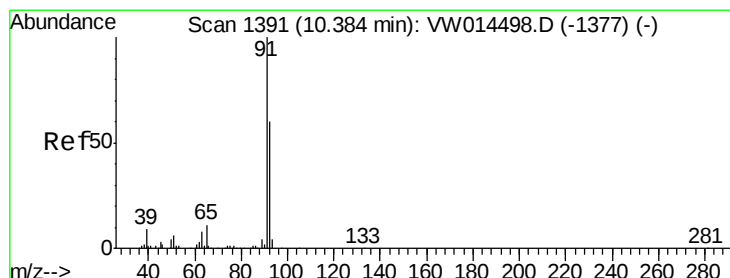
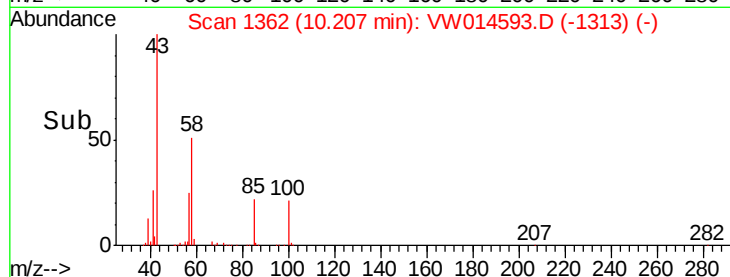
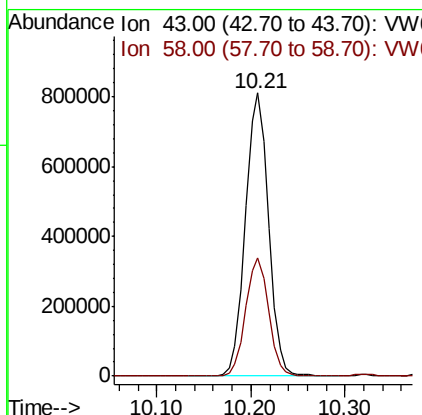
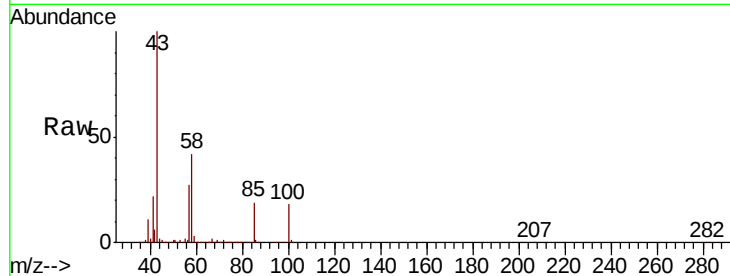




#51
 4-Methyl-2-Pentanone
 Concen: 290.087 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

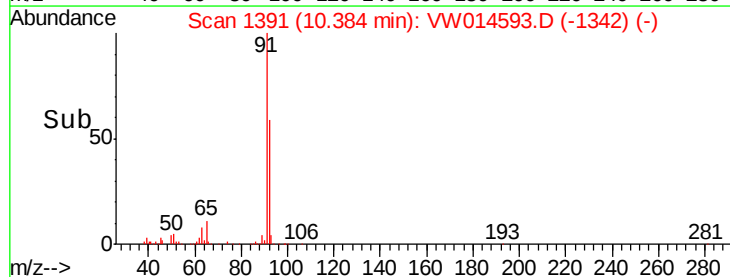
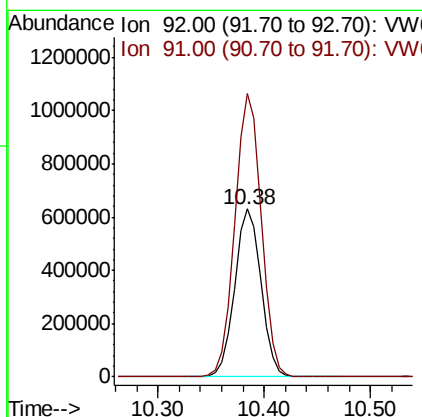
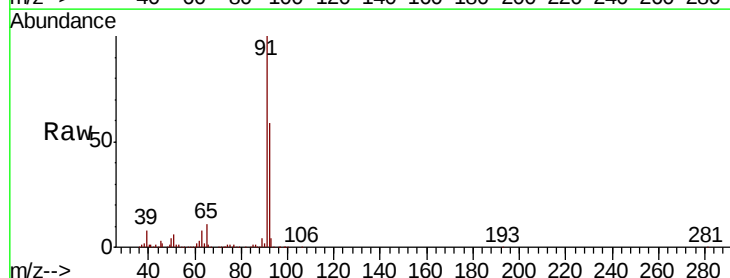
Instrument :
 MSVOA_W
 ClientSampled :

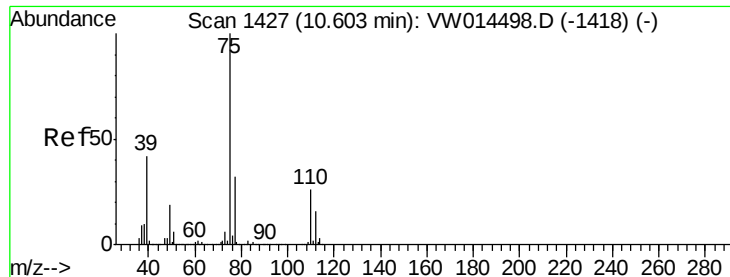
Tot Ion: 43 Resp: 1392684
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.7 49.1



#52
 Toluene
 Concen: 54.623 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion: 92 Resp: 1091427
 Ion Ratio Lower Upper
 92 100
 91 169.8 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 56.010 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

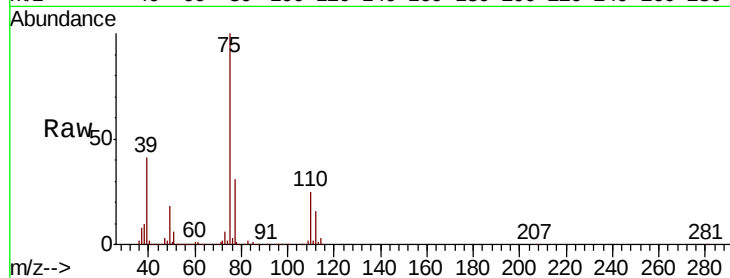
ClientSampleId :

Tot Ion: 75 Resp: 550878

Ion Ratio Lower Upper

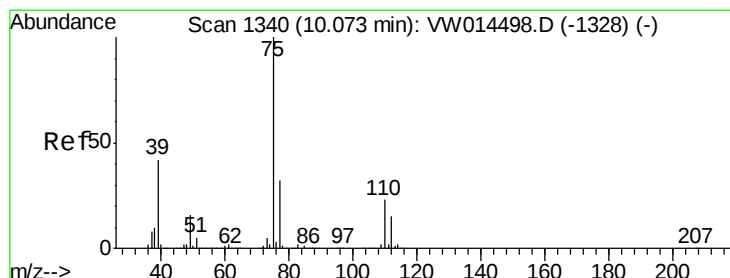
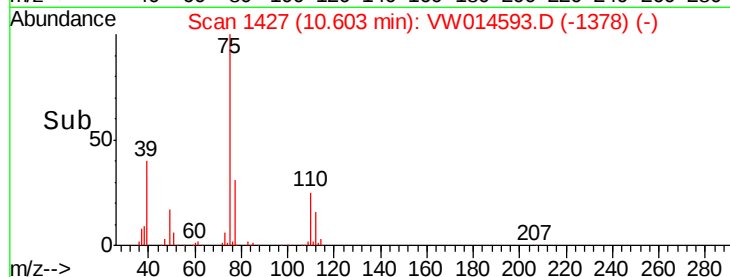
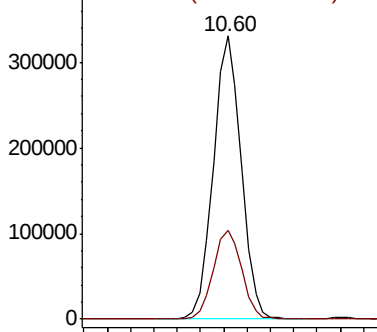
75 100

77 31.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 55.290 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

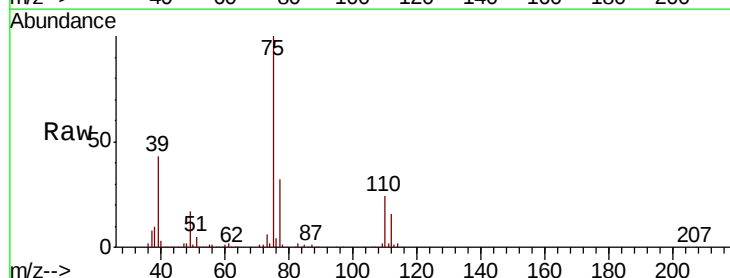
Tgt Ion: 75 Resp: 664616

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

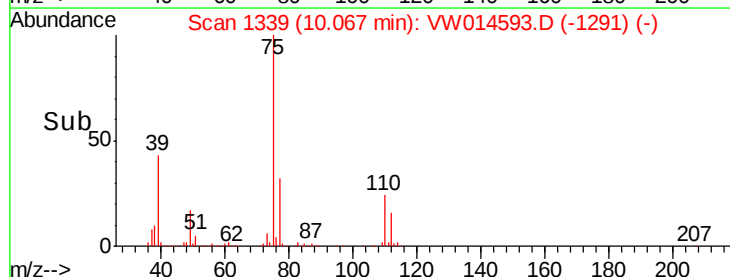
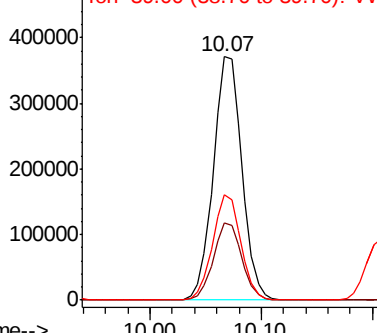
39 43.4 33.4 50.2

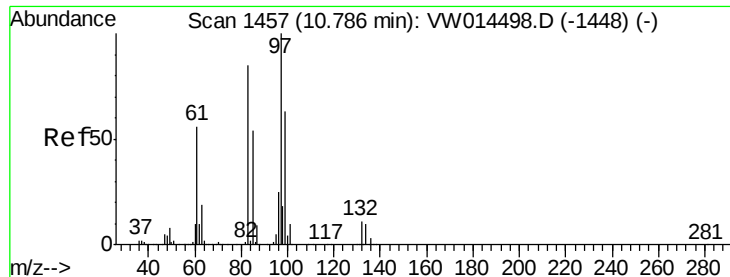


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 56.487 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 317415

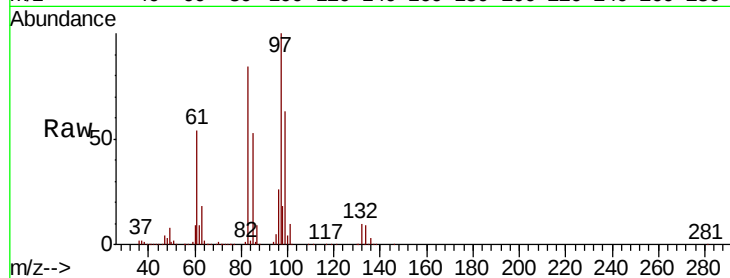
Ion Ratio Lower Upper

97 100

83 83.7 68.2 102.4

85 53.0 43.0 64.4

99 62.7 50.1 75.1

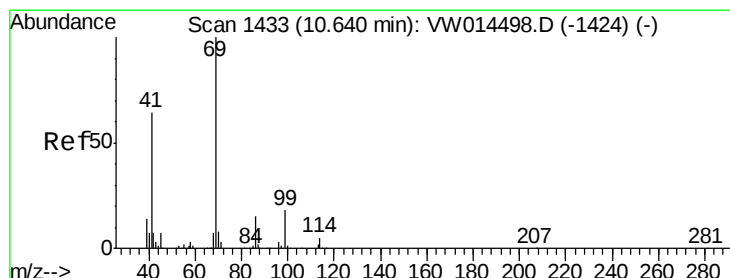
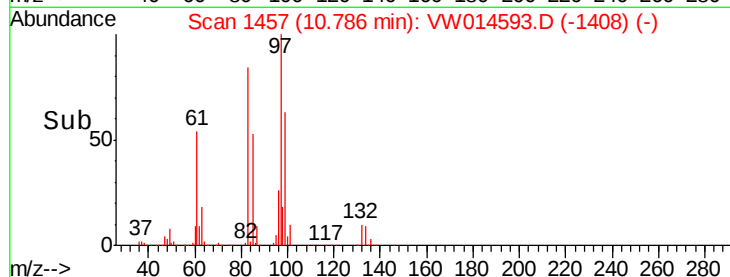
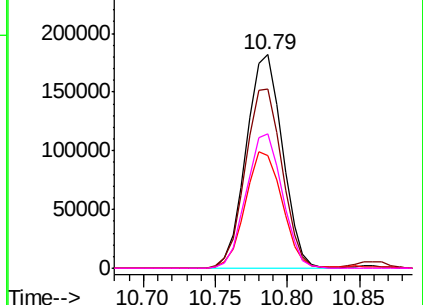


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 60.641 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

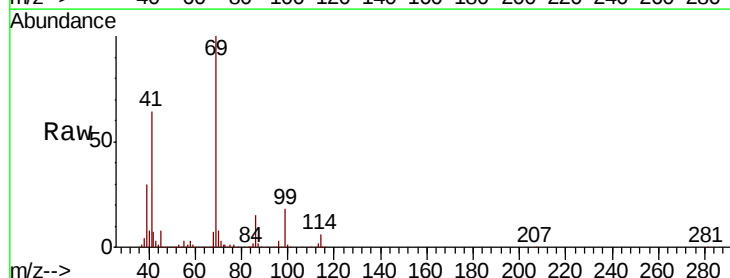
Tgt Ion: 69 Resp: 442851

Ion Ratio Lower Upper

69 100

41 62.3 51.3 76.9

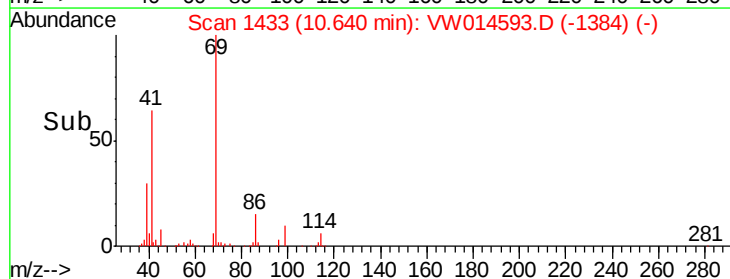
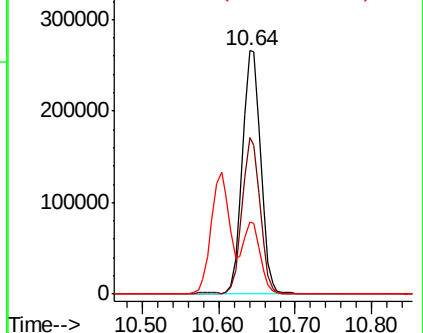
39 25.5 21.0 31.6



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 56.446 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

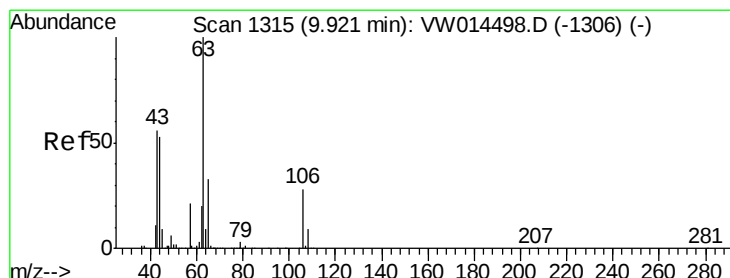
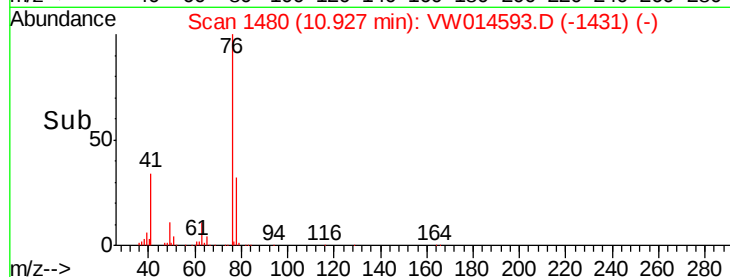
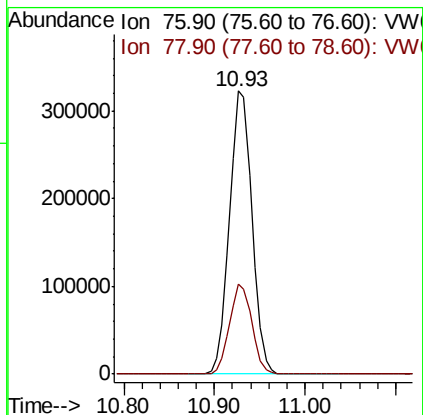
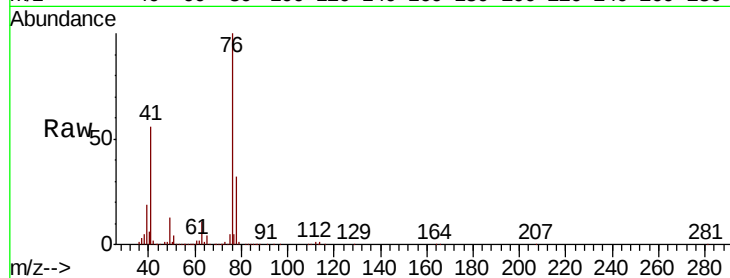
ClientSampleId :

Tot Ion: 76 Resp: 557472

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 296.512 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014593.D

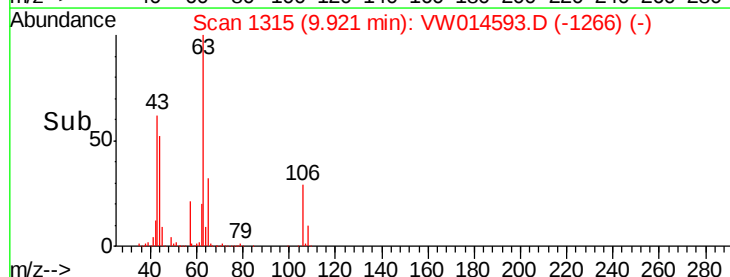
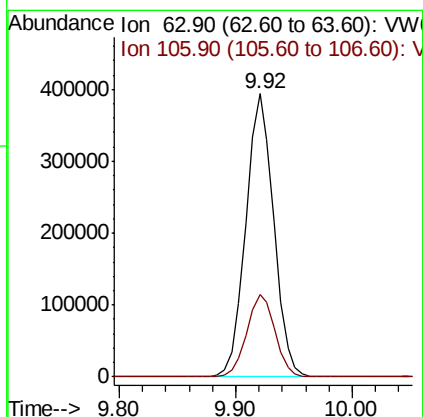
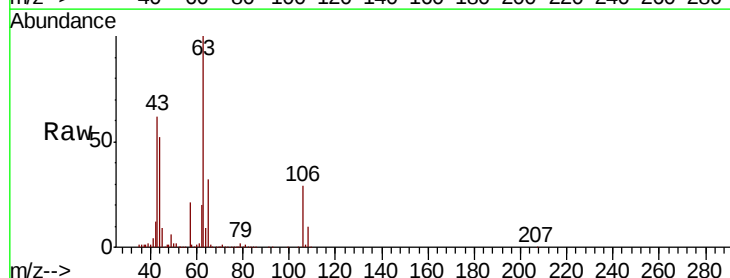
Acq: 09 Jan 2020 20:24

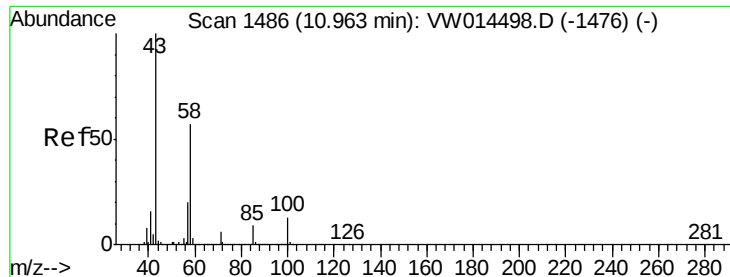
Tgt Ion: 63 Resp: 658564

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.6

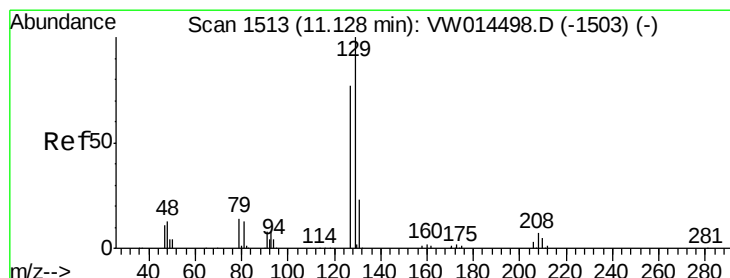
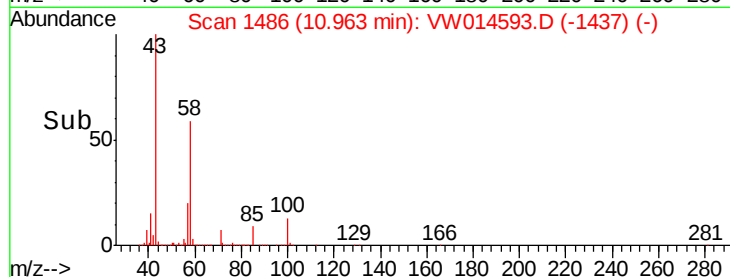
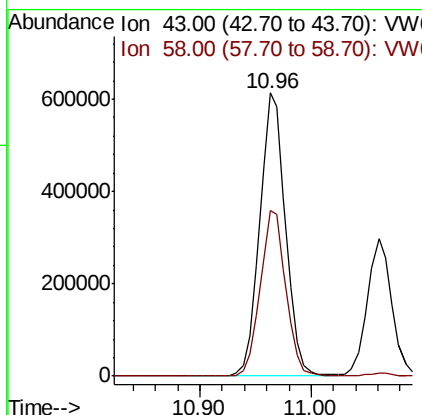
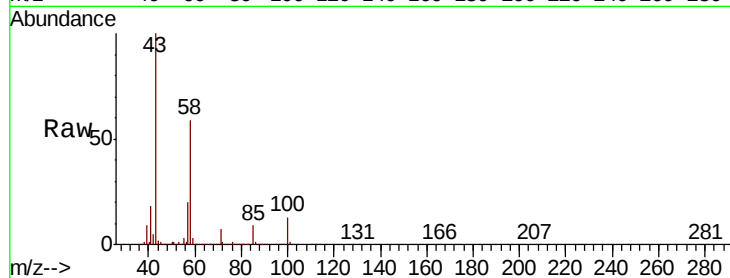




#59
2-Hexanone
Concen: 299.663 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

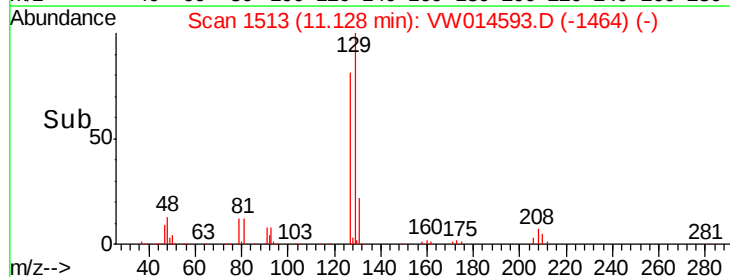
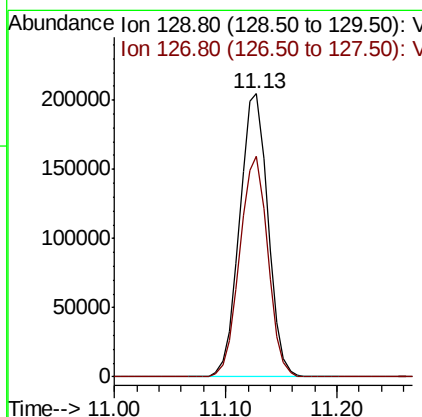
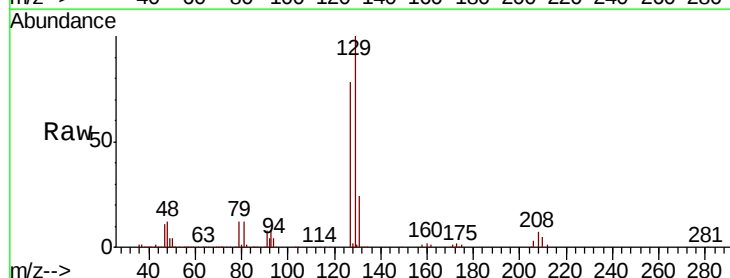
Instrument :
MSVOA_W
ClientSampleId :

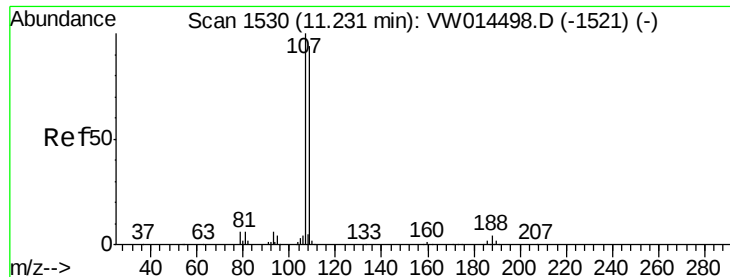
Tot Ion: 43 Resp: 991365
Ion Ratio Lower Upper
43 100
58 58.1 28.7 86.3



#60
Dibromochloromethane
Concen: 57.000 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 129 Resp: 361392
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 56.324 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

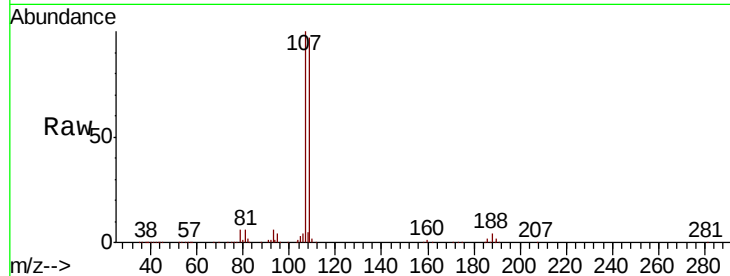
ClientSampleId :

Tot Ion: 107 Resp: 300432

Ion Ratio Lower Upper

107 100

109 95.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

200000

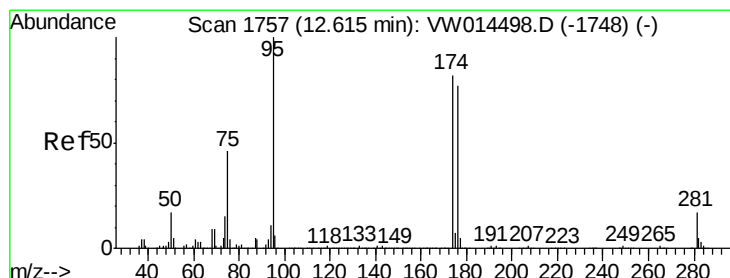
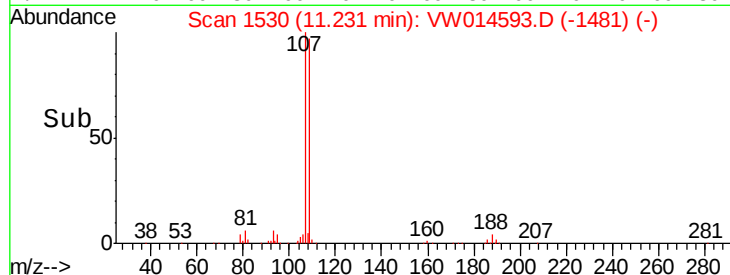
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#62

4-Bromofluorobenzene

Concen: 48.236 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

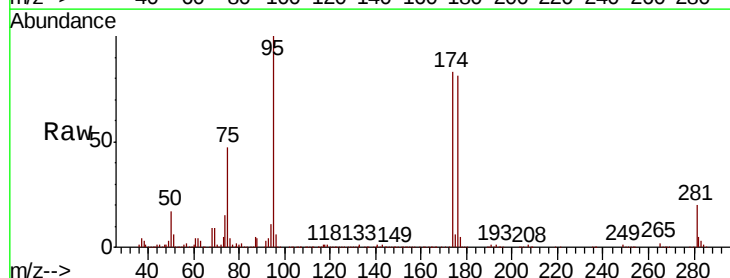
Tgt Ion: 95 Resp: 454384

Ion Ratio Lower Upper

95 100

174 86.4 0.0 168.6

176 82.8 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

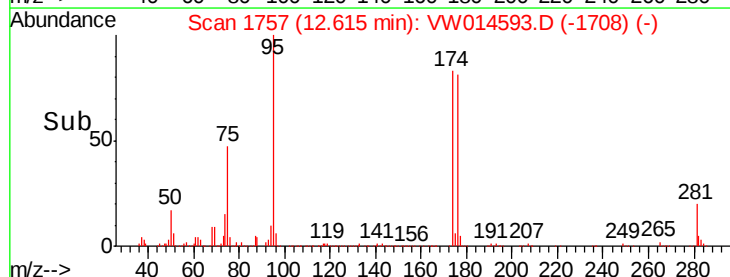
300000

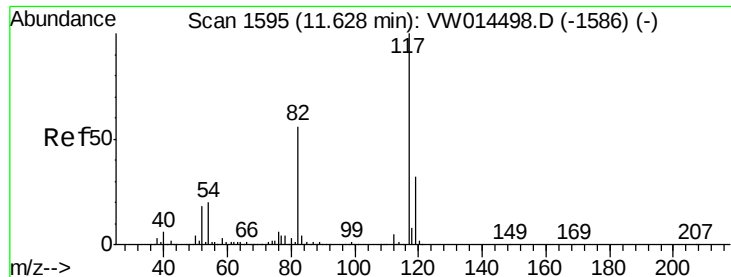
200000

100000

0

Time--> 12.55 12.60 12.65 12.70

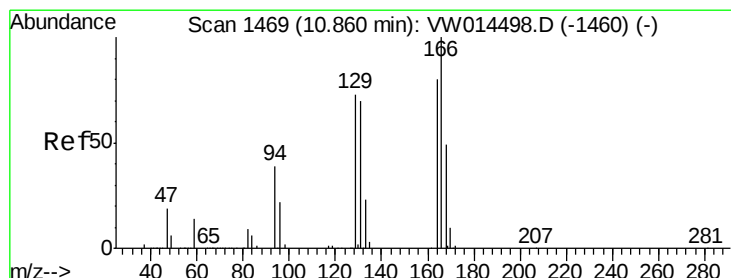
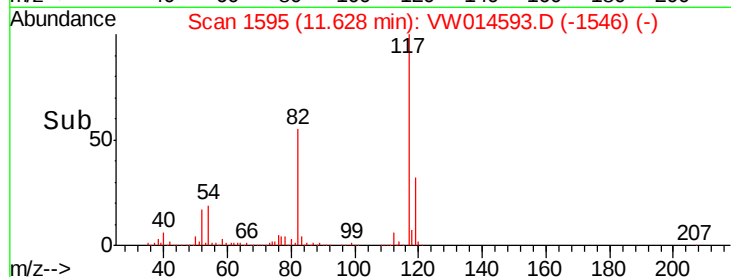
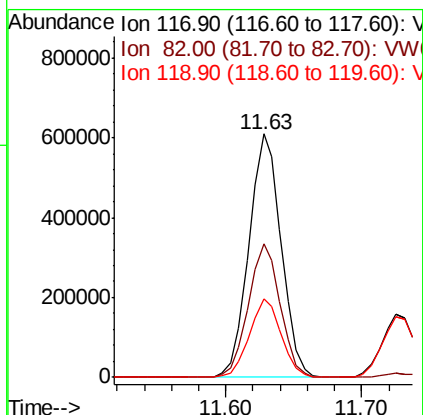
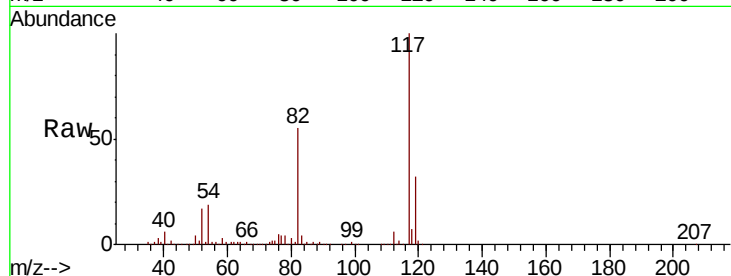




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

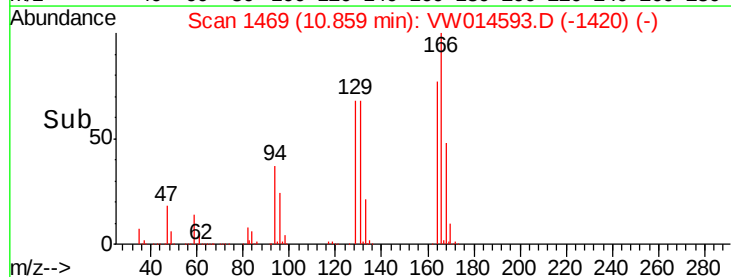
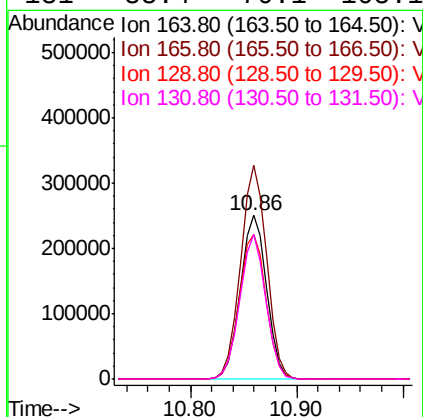
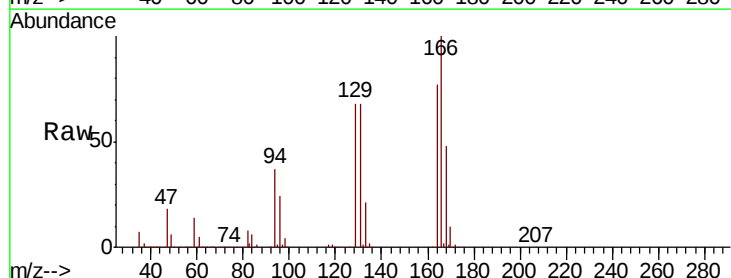
Instrument :
MSVOA_W
ClientSampleId :

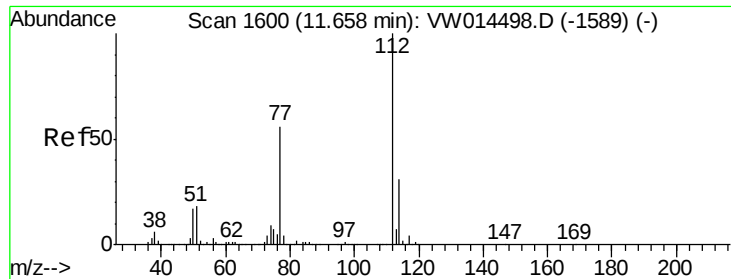
Tot Ion:117 Resp: 1010508
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 59.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:164 Resp: 434022
Ion Ratio Lower Upper
164 100
166 130.5 99.8 149.6
129 88.2 72.4 108.6
131 88.4 70.1 105.1

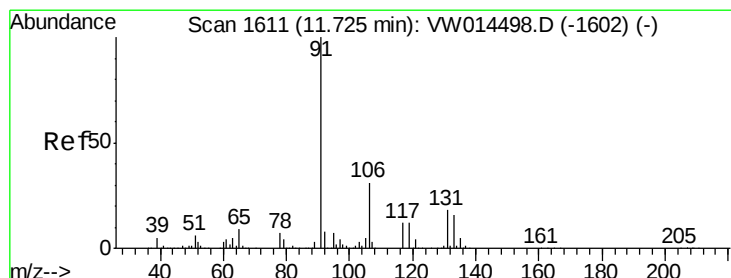
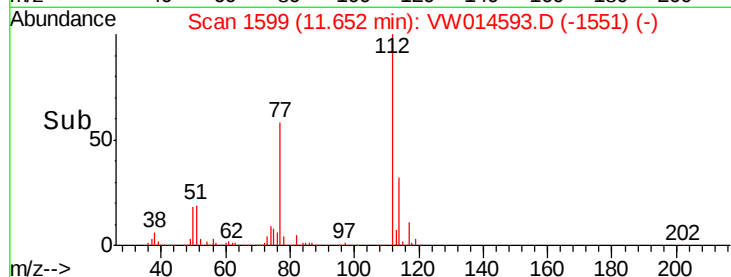
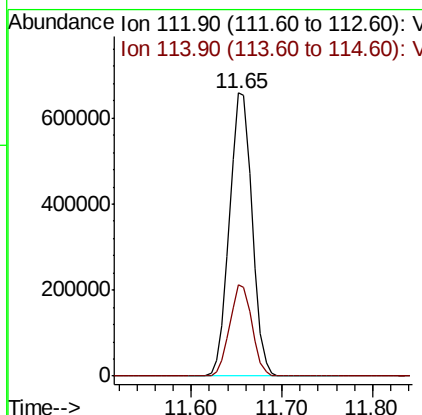
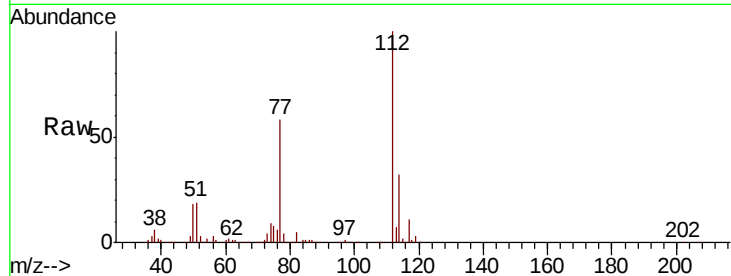




#65
Chlorobenzene
Concen: 55.126 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

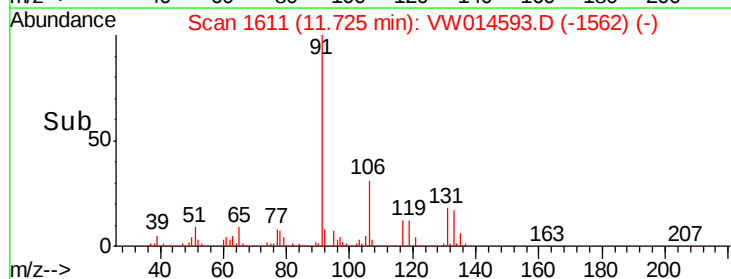
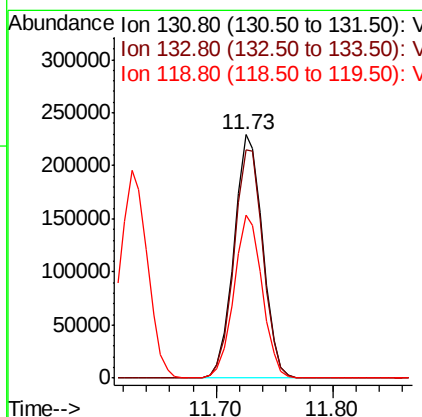
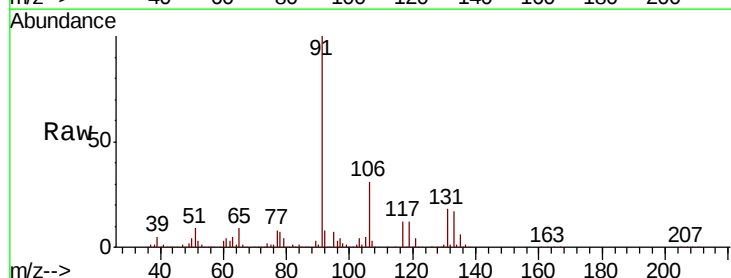
Instrument :
MSVOA_W
ClientSampleId :

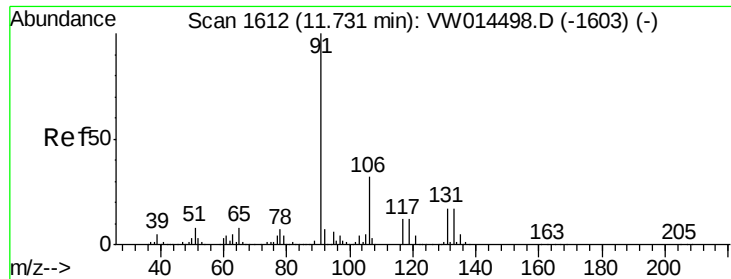
Tot Ion:112 Resp: 1141239
Ion Ratio Lower Upper
112 100
114 32.1 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.273 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:131 Resp: 392242
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 66.0 33.1 99.3

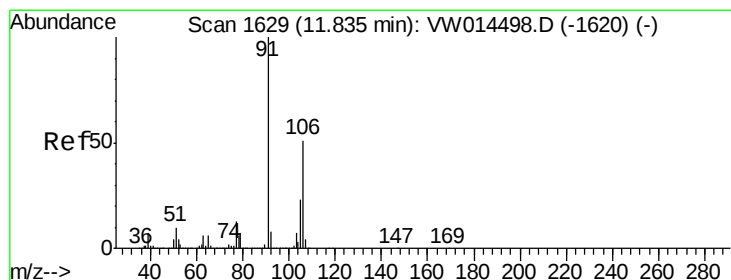
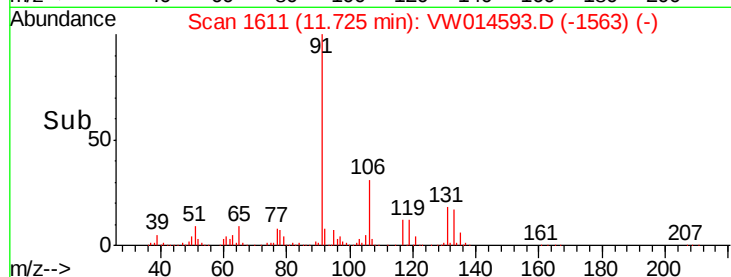
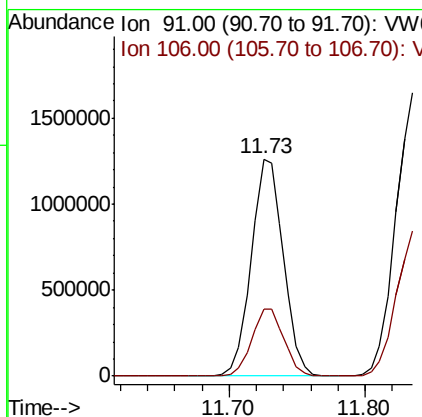
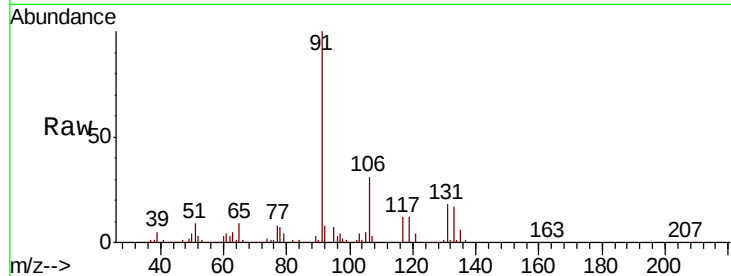




#67
Ethyl Benzene
Concen: 55.789 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

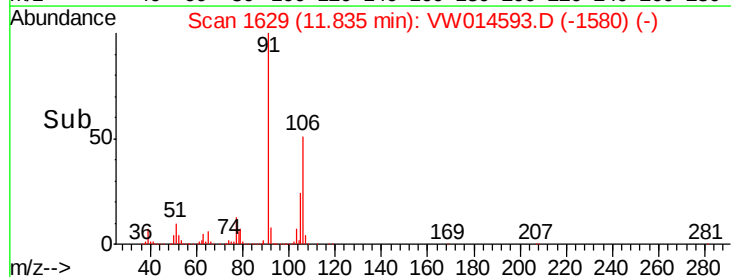
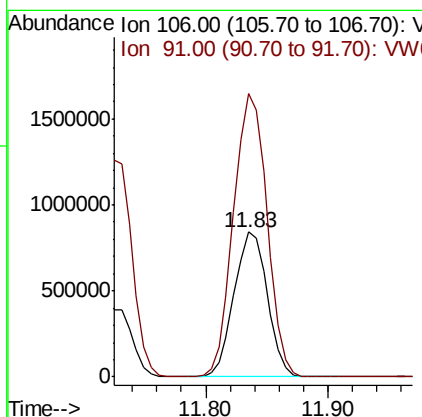
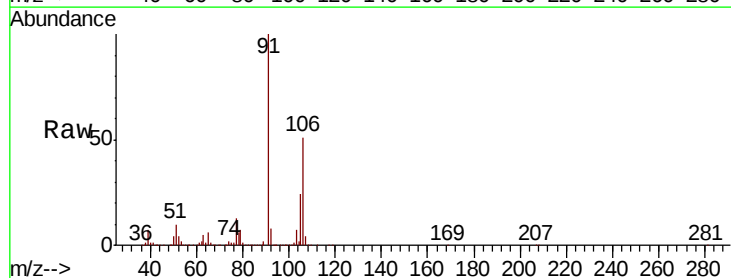
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 2081399
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 111.108 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:106 Resp: 1586489
Ion Ratio Lower Upper
106 100
91 197.0 159.0 238.6

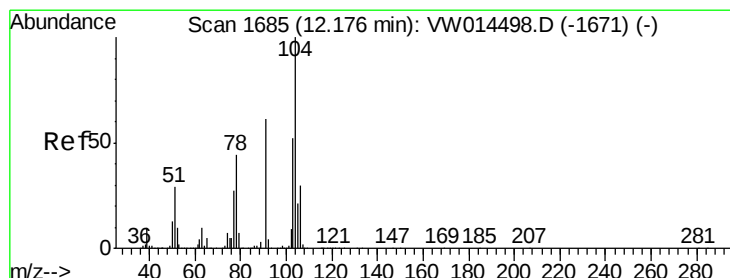
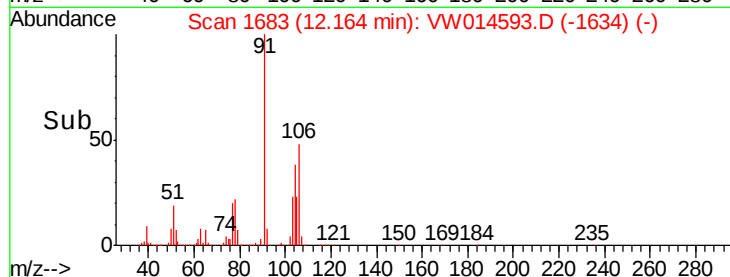
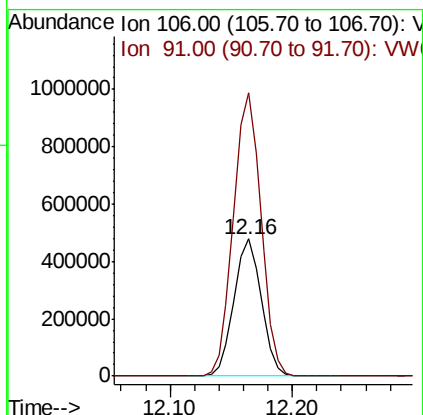
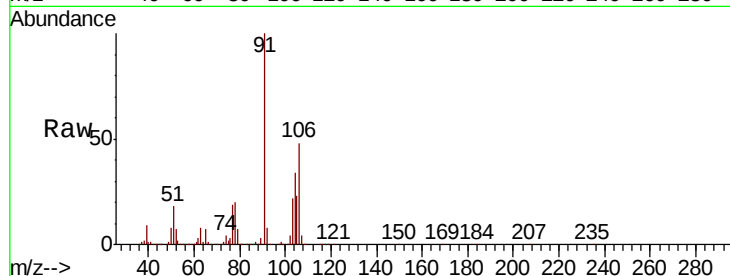




#69
o-Xylene
Concen: 56.165 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

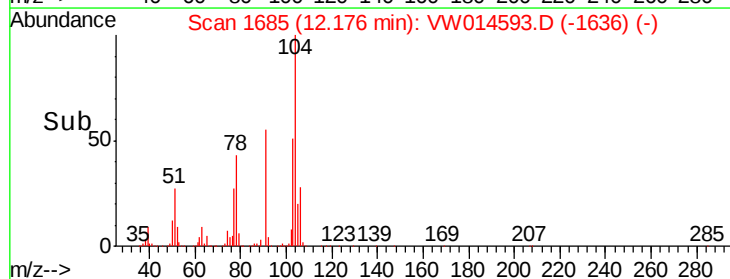
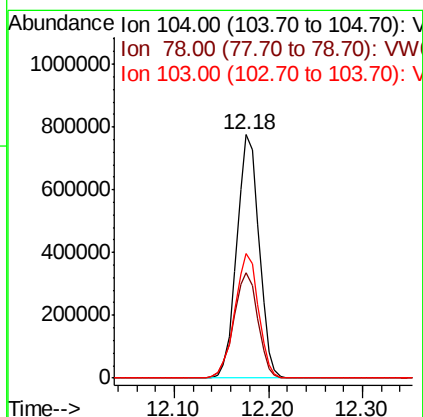
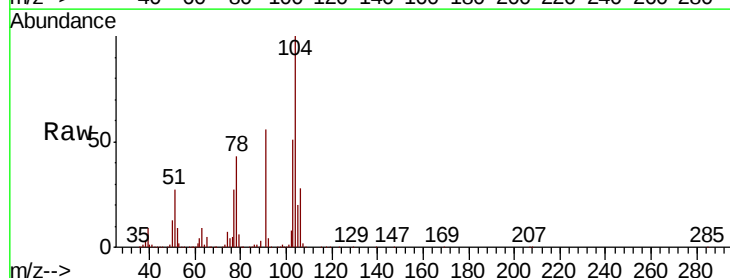
Instrument :
MSVOA_W
ClientSampleId :

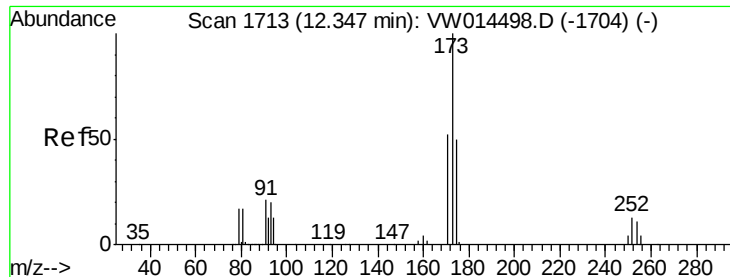
Tot Ion:106 Resp: 740788
Ion Ratio Lower Upper
106 100
91 208.4 105.2 315.6



#70
Styrene
Concen: 57.163 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:104 Resp: 1275257
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 58.320 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

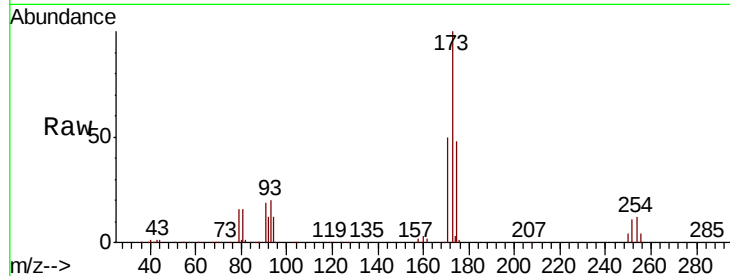
Tot Ion:173 Resp: 221735

Ion Ratio Lower Upper

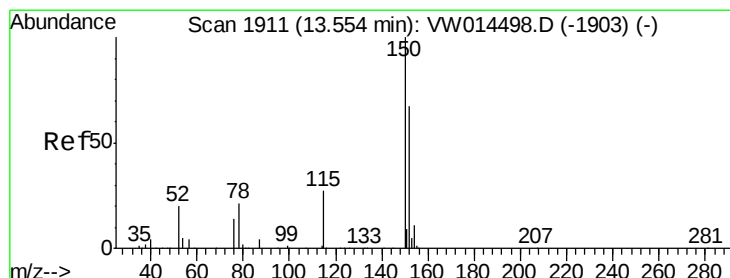
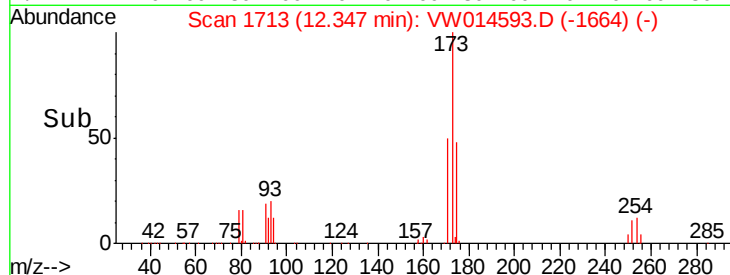
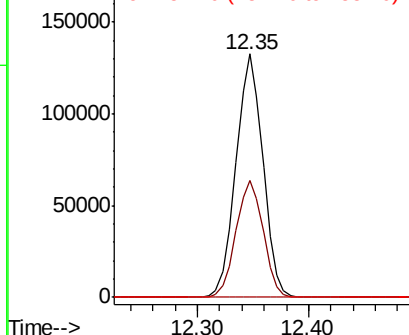
173 100

175 48.7 24.5 73.5

254 0.3 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: VW014593.D

Acq: 09 Jan 2020 20:24

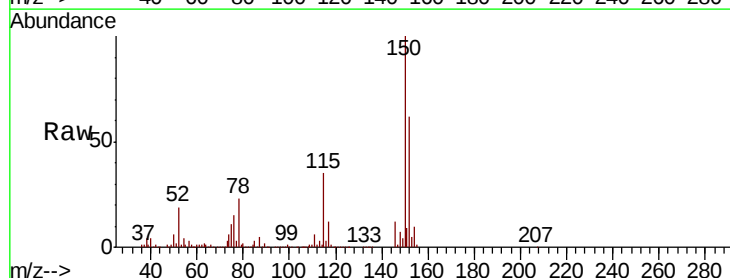
Tgt Ion:152 Resp: 499548

Ion Ratio Lower Upper

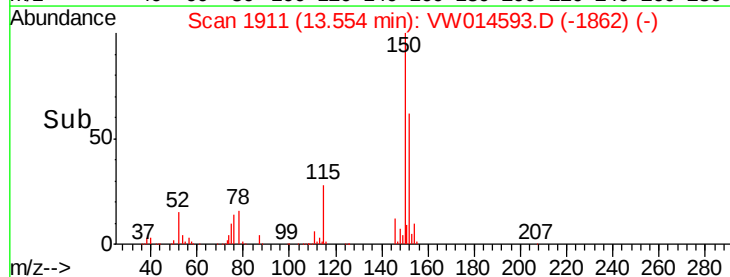
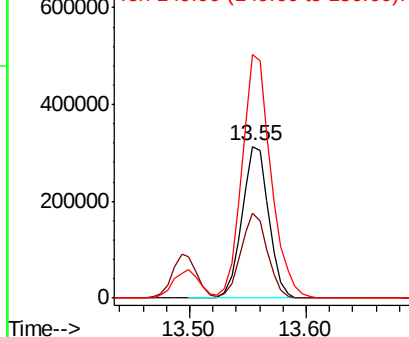
152 100

115 55.6 27.7 83.1

150 175.1 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: 55.829 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

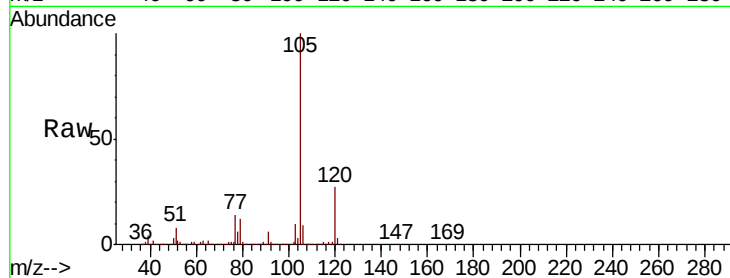
ClientSampled :

Tot Ion:105 Resp: 2046375

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

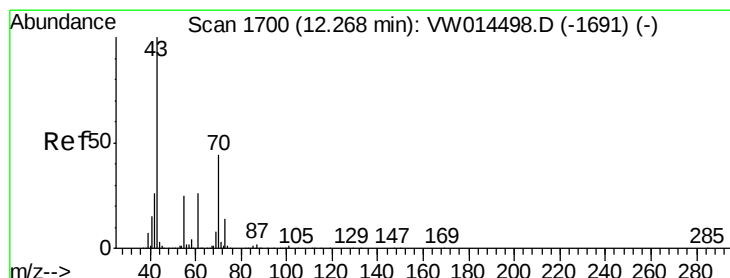
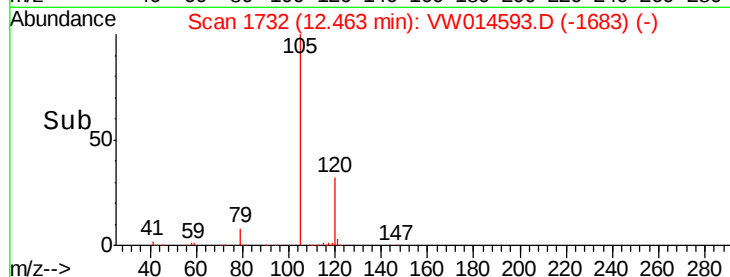
1000000

500000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 58.866 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion: 43 Resp: 483799

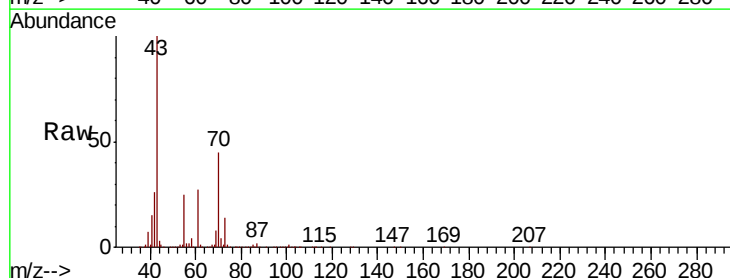
Ion Ratio Lower Upper

43 100

70 45.7 36.5 54.7

55 25.7 20.9 31.3

61 26.1 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

500000

400000

300000

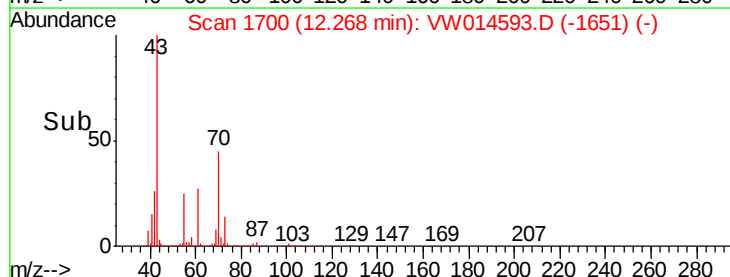
200000

100000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.093 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

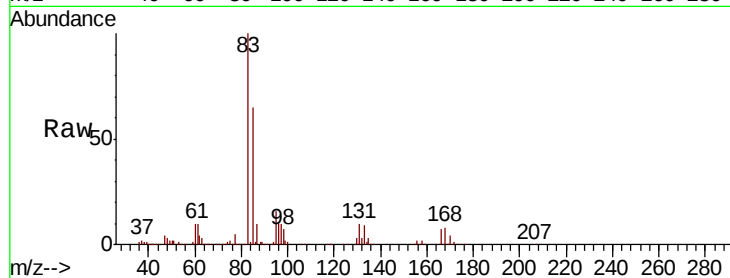
Tot Ion: 83 Resp: 371106

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

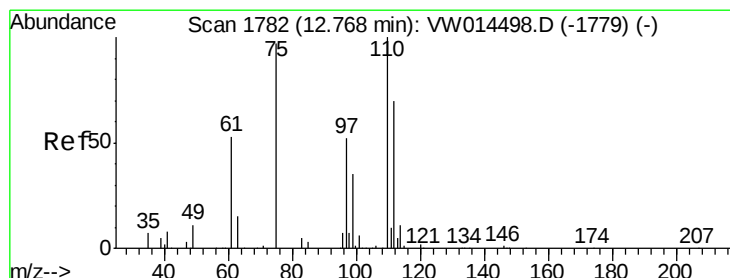
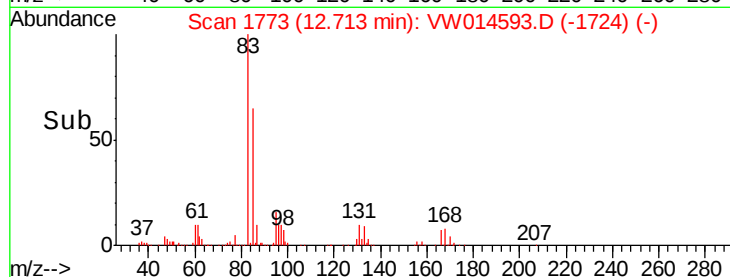
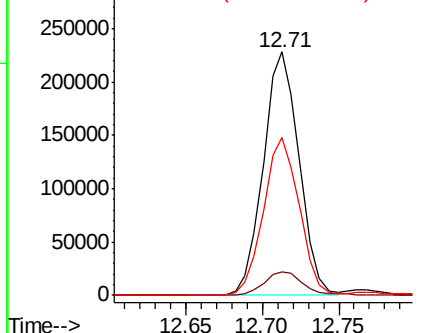
85 64.7 31.9 95.7



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: 100.030 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014593.D

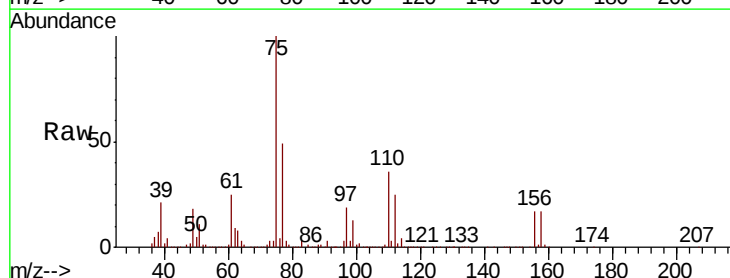
Acq: 09 Jan 2020 20:24

Tgt Ion: 75 Resp: 472457

Ion Ratio Lower Upper

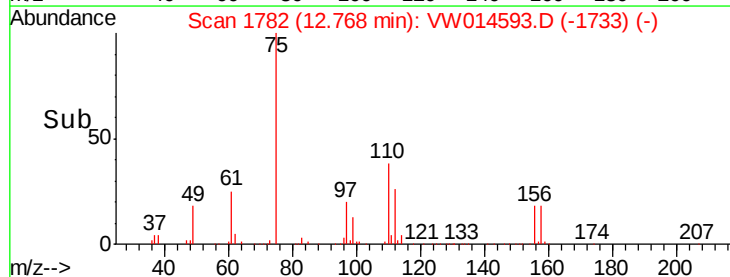
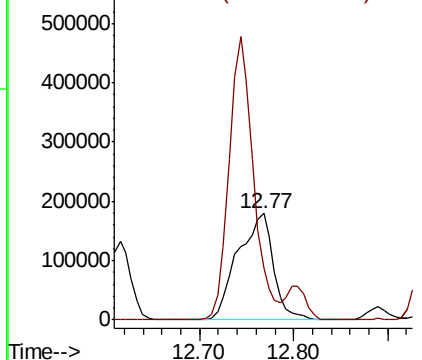
75 100

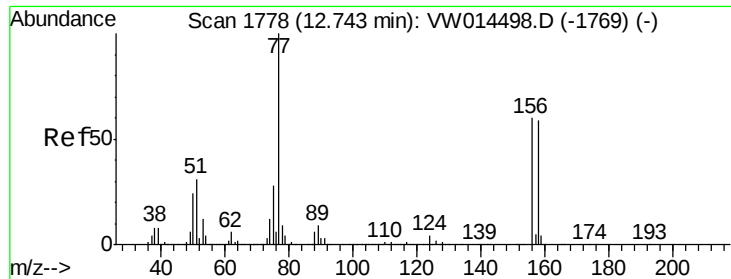
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.896 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

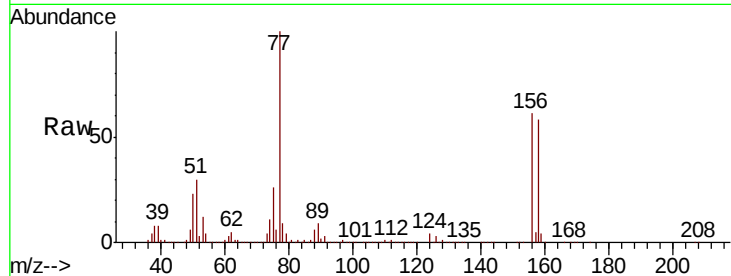
Tot Ion:156 Resp: 475862

Ion Ratio Lower Upper

156 100

77 181.7 92.3 277.1

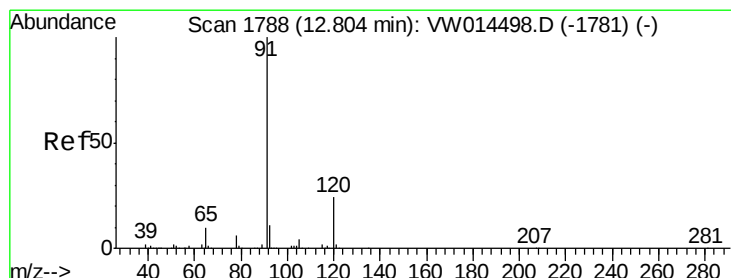
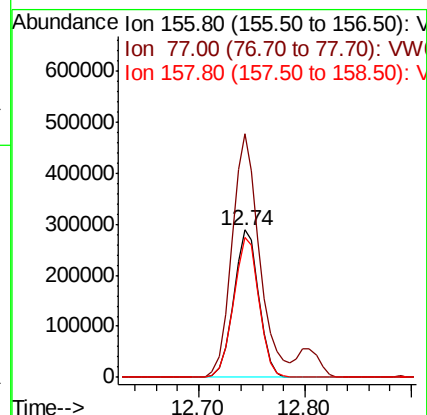
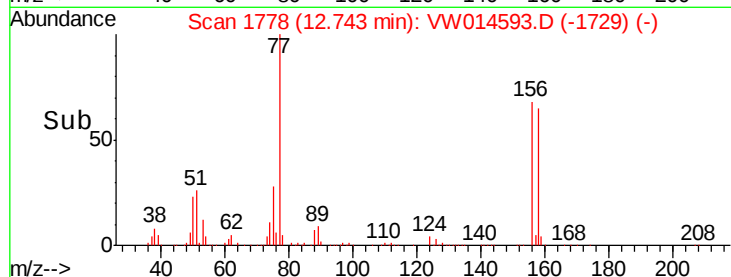
158 96.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.504 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014593.D

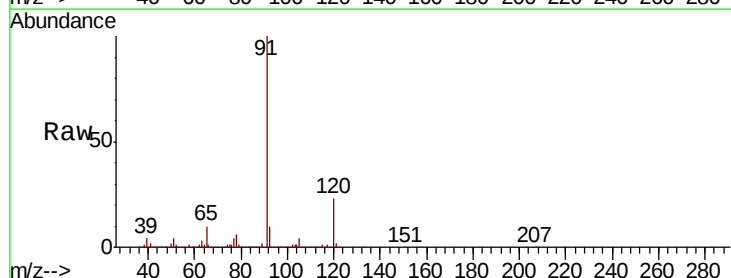
Acq: 09 Jan 2020 20:24

Tgt Ion: 91 Resp: 2392330

Ion Ratio Lower Upper

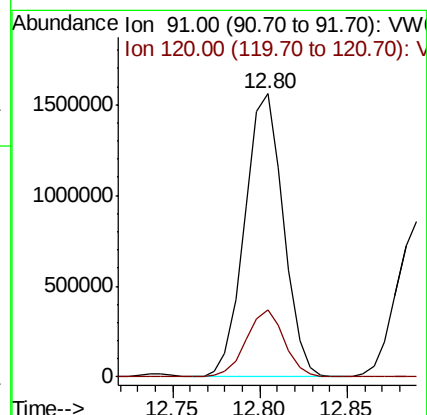
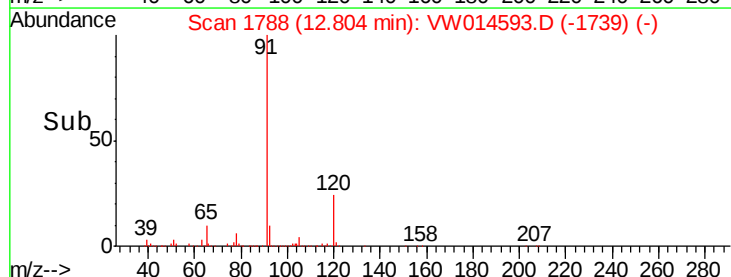
91 100

120 23.3 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: 54.714 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

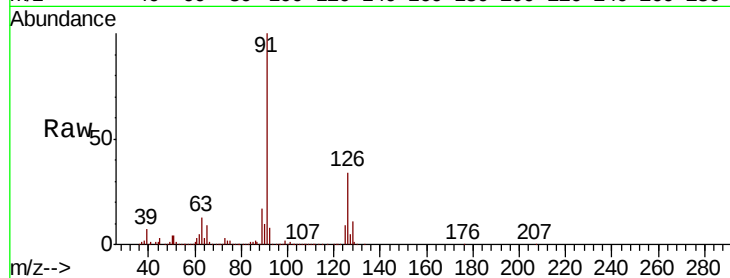
ClientSampled :

Tot Ion: 91 Resp: 1342030

Ion Ratio Lower Upper

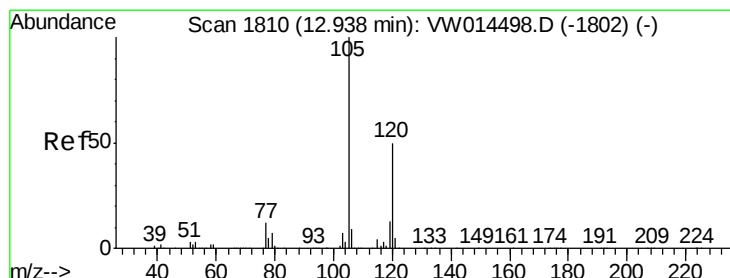
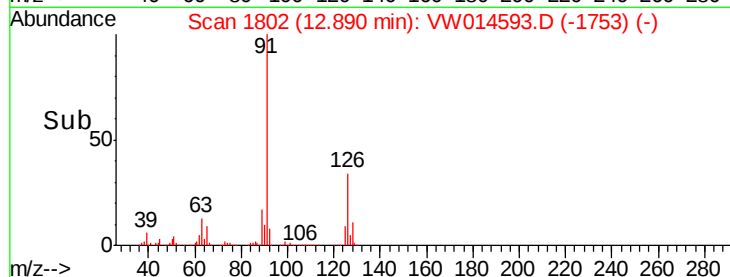
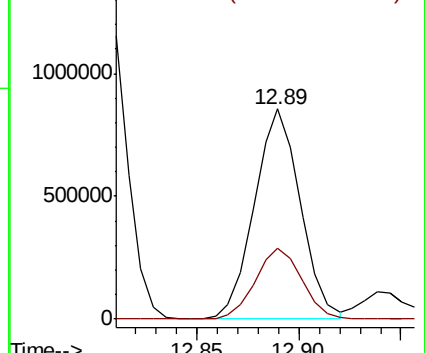
91 100

126 34.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.308 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014593.D

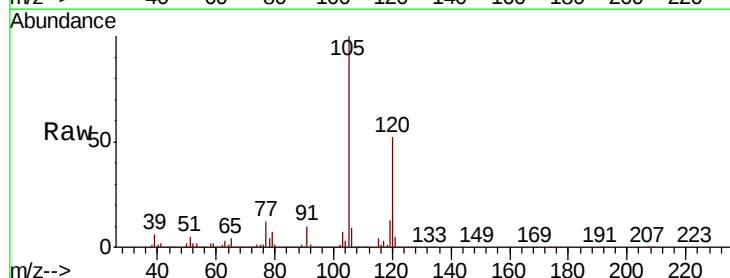
Acq: 09 Jan 2020 20:24

Tgt Ion:105 Resp: 1702190

Ion Ratio Lower Upper

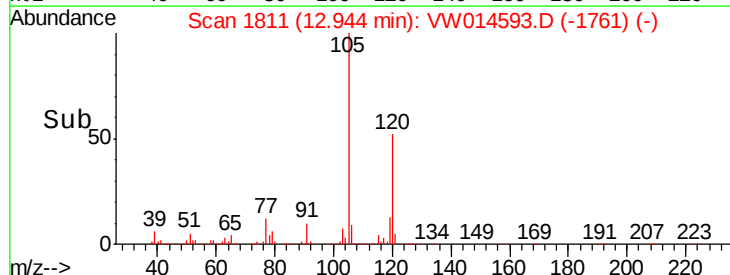
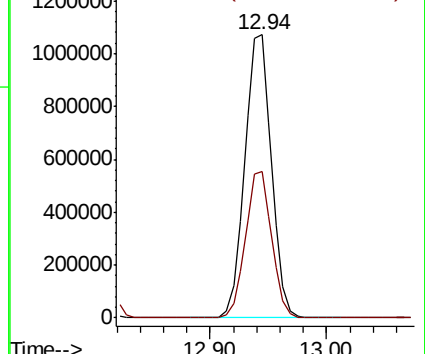
105 100

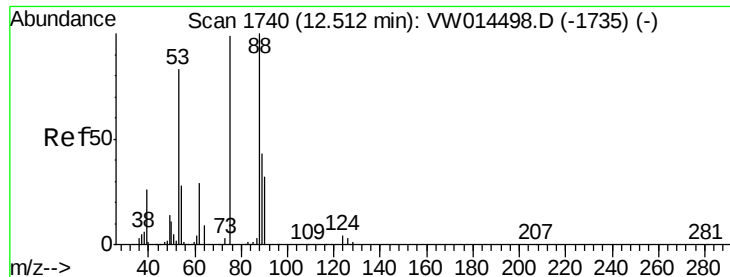
120 51.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.280 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

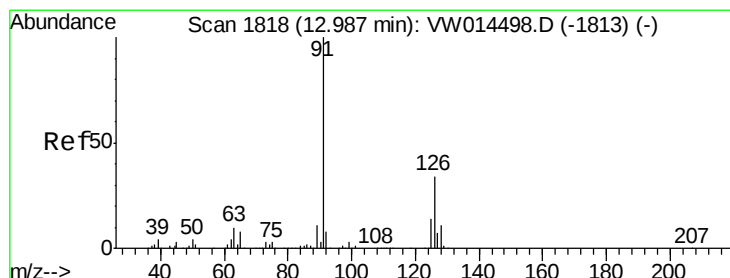
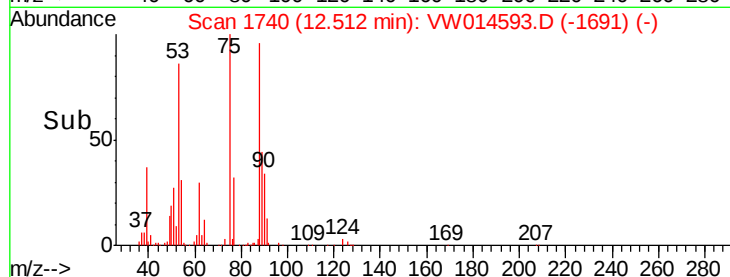
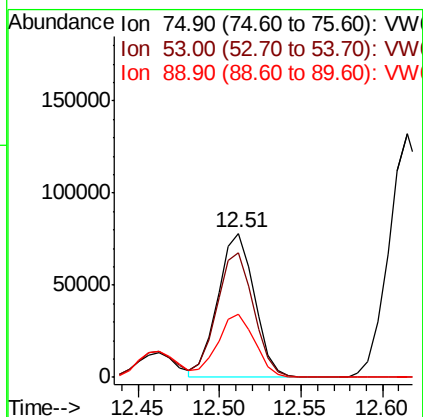
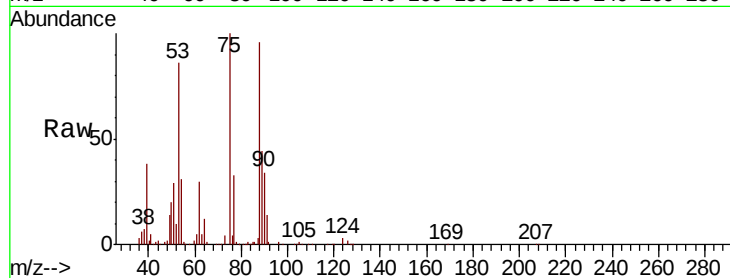
Tot Ion: 75 Resp: 121425

Ion Ratio Lower Upper

75 100

53 88.4 70.9 106.3

89 45.3 35.8 53.8



#82

4-Chlorotoluene

Concen: 54.756 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014593.D

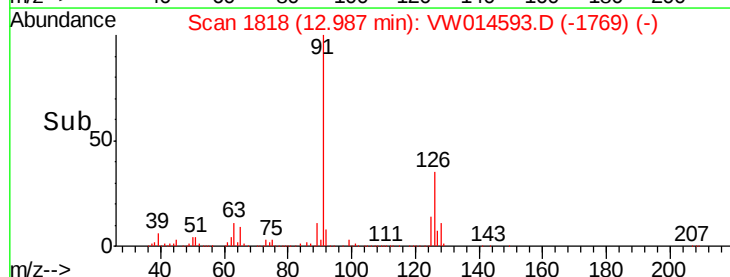
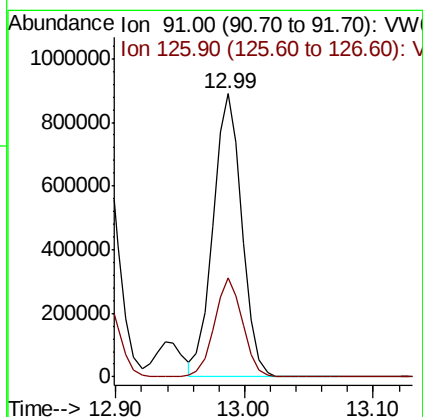
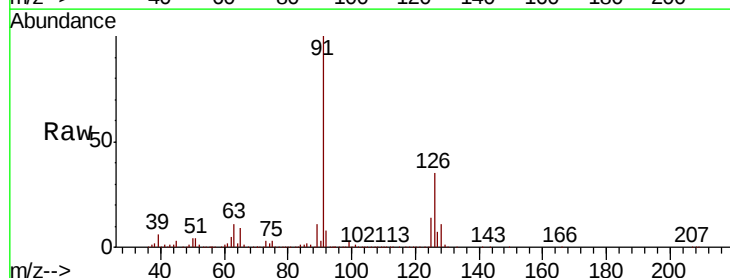
Acq: 09 Jan 2020 20:24

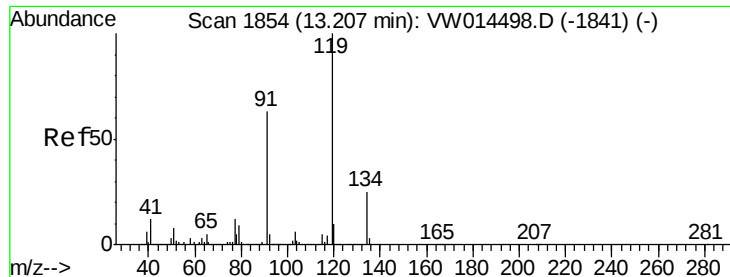
Tgt Ion: 91 Resp: 1395362

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 56.160 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampled :

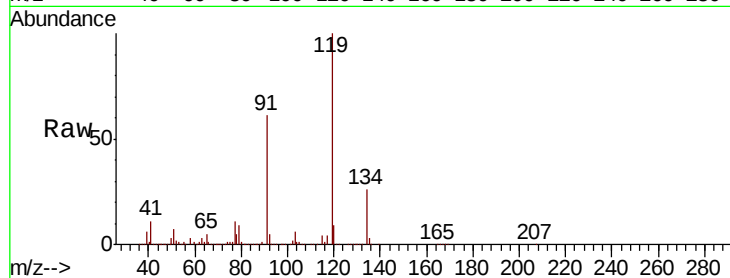
Tot Ion:119 Resp: 1513264

Ion Ratio Lower Upper

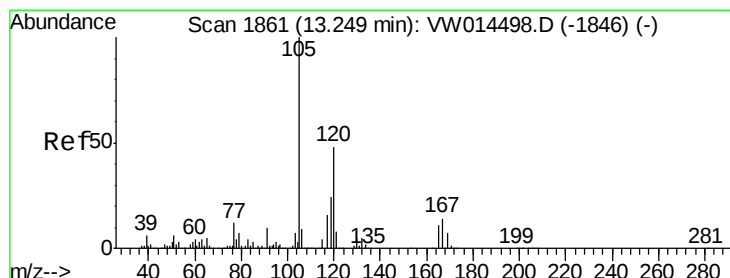
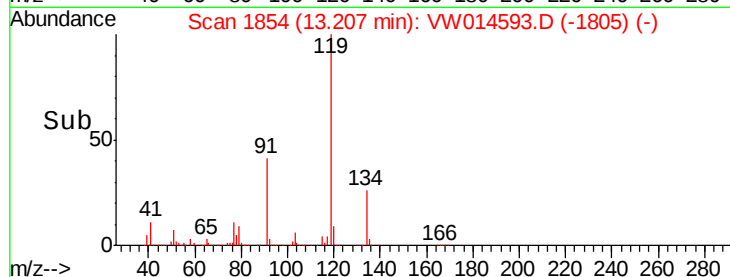
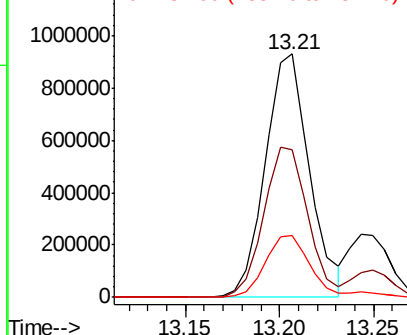
119 100

91 61.8 31.1 93.3

134 27.0 13.5 40.5



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



#84

1,2,4-Trimethylbenzene

Concen: 55.191 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014593.D

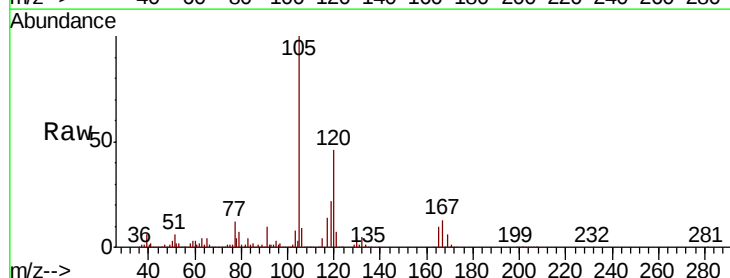
Acq: 09 Jan 2020 20:24

Tgt Ion:105 Resp: 1690312

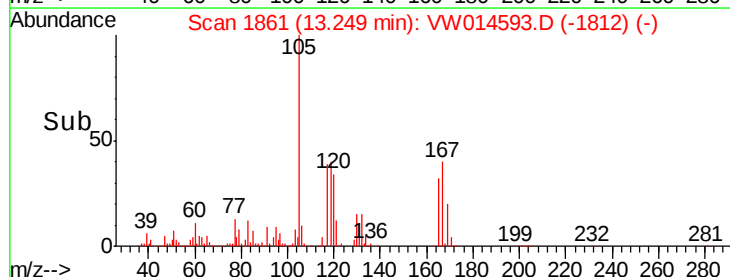
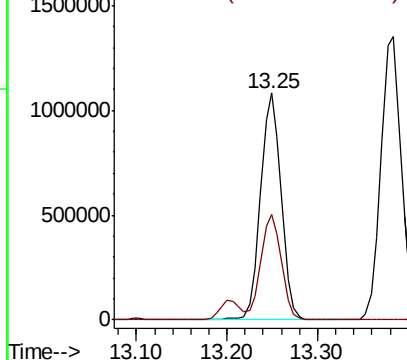
Ion Ratio Lower Upper

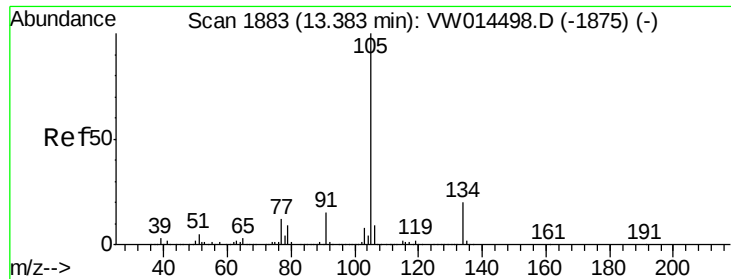
105 100

120 46.4 23.4 70.0



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

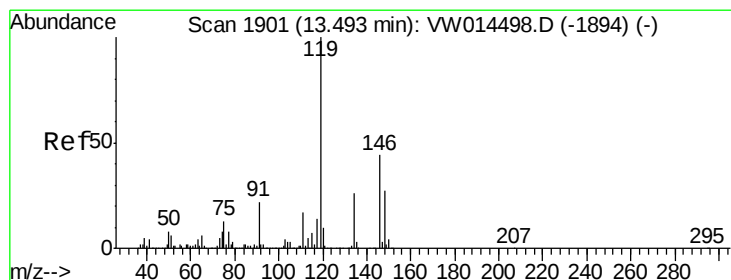
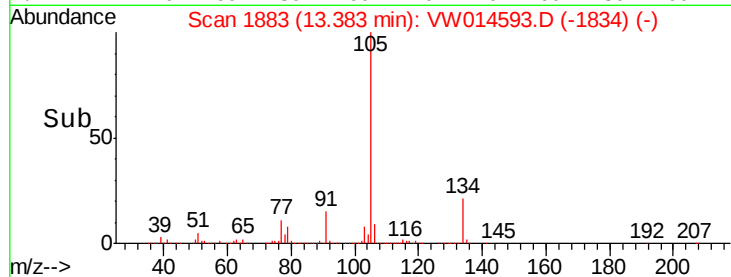
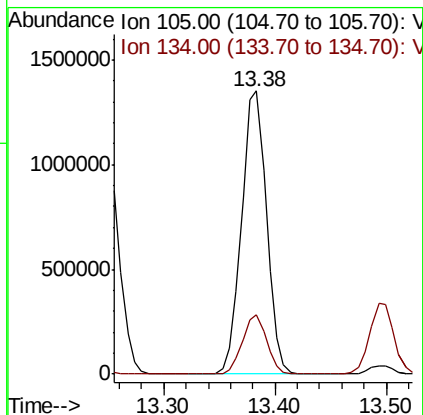
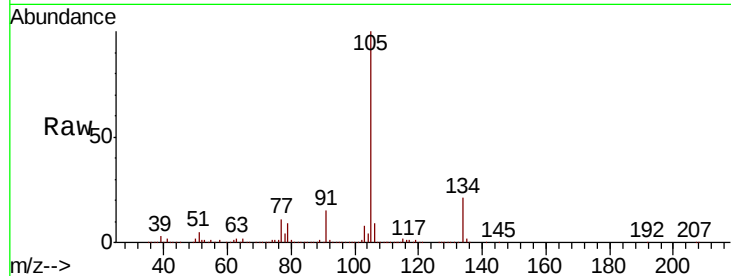




#85
 sec-Butylbenzene
 Concen: 56.443 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

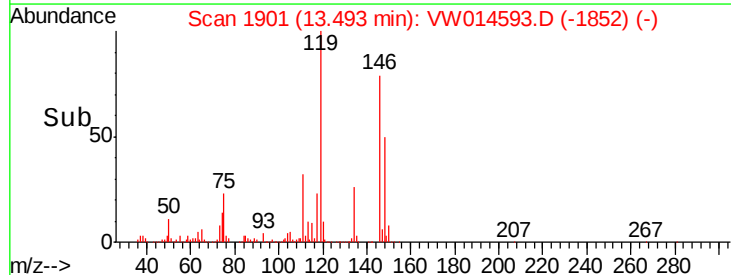
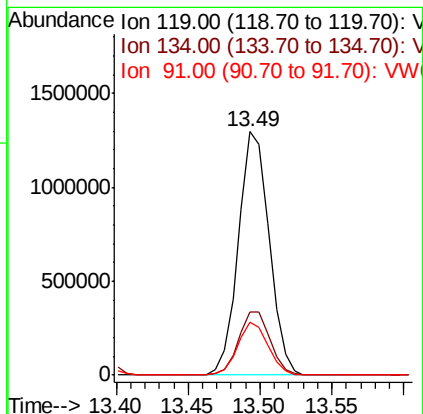
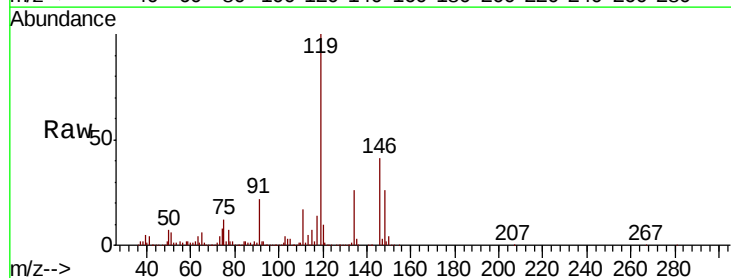
Instrument :
 MSVOA_W
 ClientSampleId :

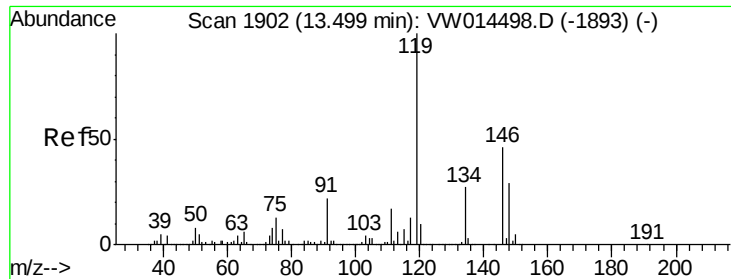
Tot Ion:105 Resp: 2105186
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 56.693 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion:119 Resp: 1927358
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 21.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 55.436 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

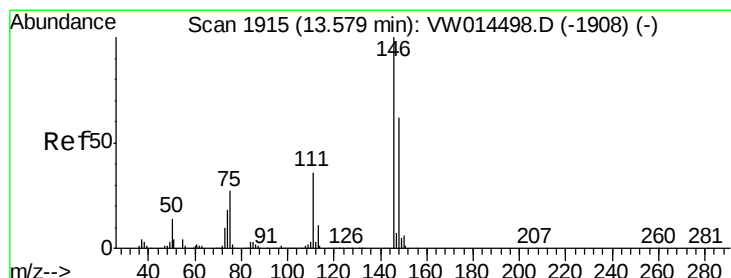
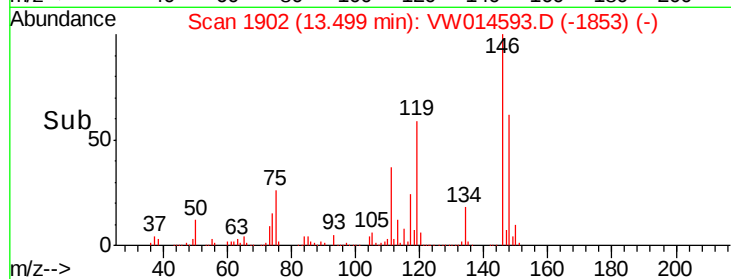
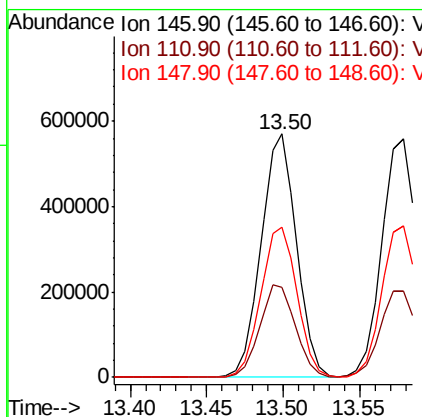
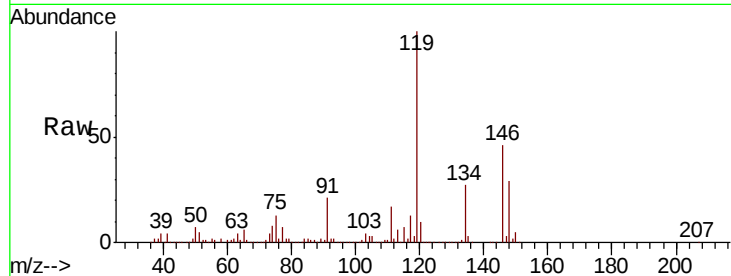
Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 917721

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.3	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 55.376 ug/l

RT: 13.58 min Scan# 1915

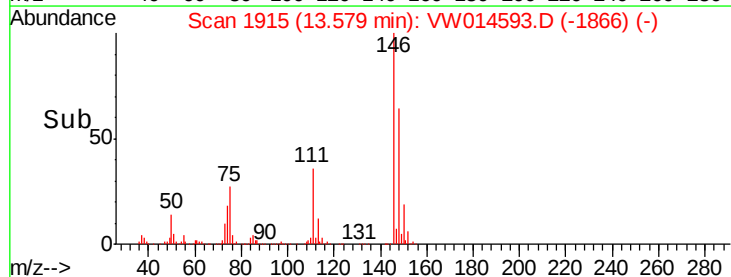
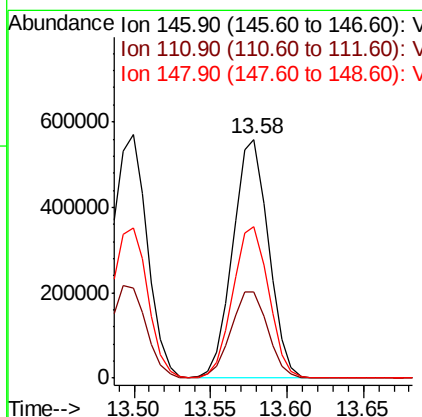
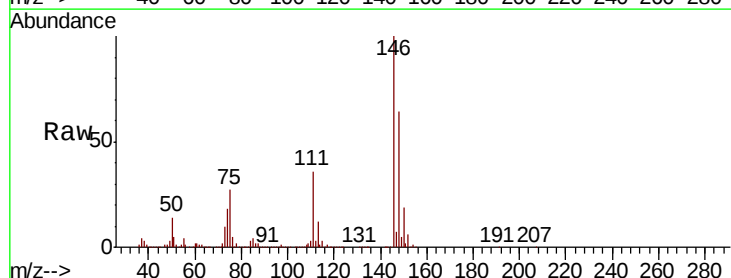
Delta R.T. -0.00 min

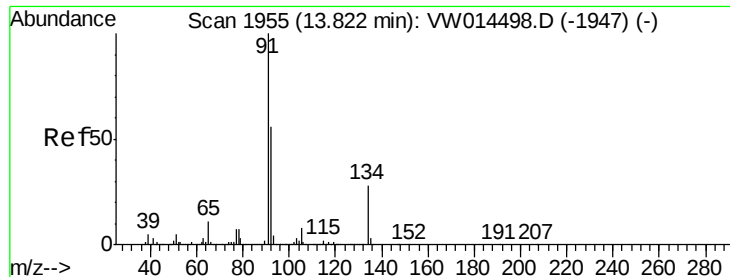
Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:146 Resp: 905043

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.0	31.7	95.1





#89

n-Butylbenzene

Concen: 56.700 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampled :

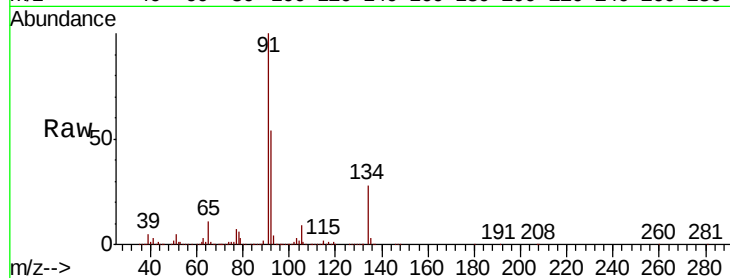
Tot Ion: 91 Resp: 1790016

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.5
134	27.1	13.7	41.1

91 100

92 55.1 27.5 82.5

134 27.1 13.7 41.1

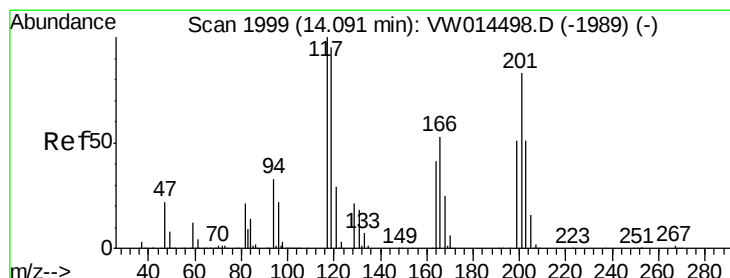
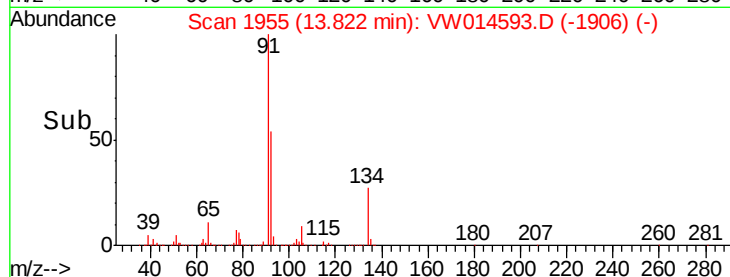
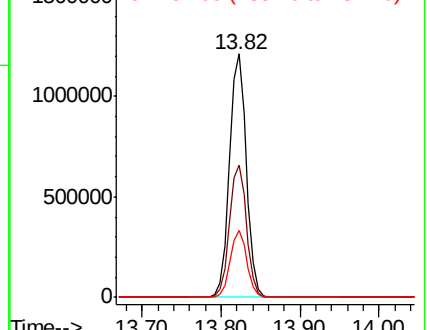


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.217 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014593.D

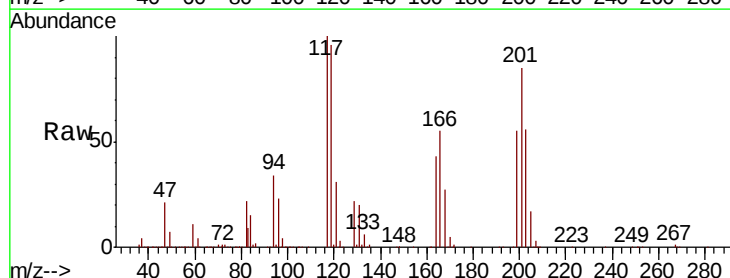
Acq: 09 Jan 2020 20:24

Tgt Ion: 117 Resp: 327931

Ion	Ratio	Lower	Upper
117	100		
201	86.4	43.0	128.8

117 100

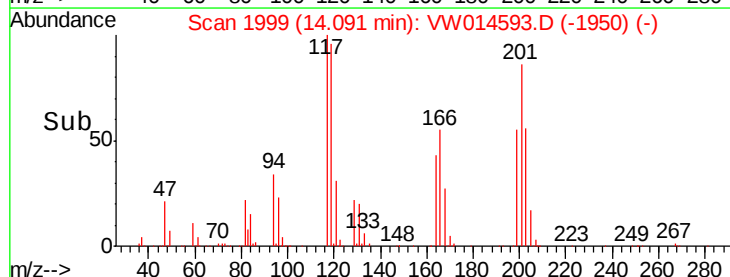
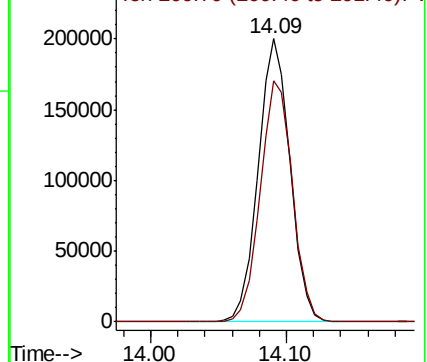
201 86.4 43.0 128.8

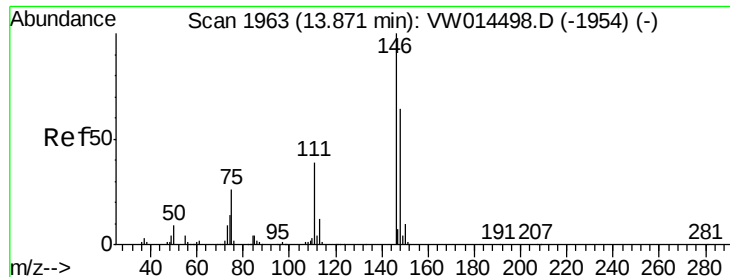


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

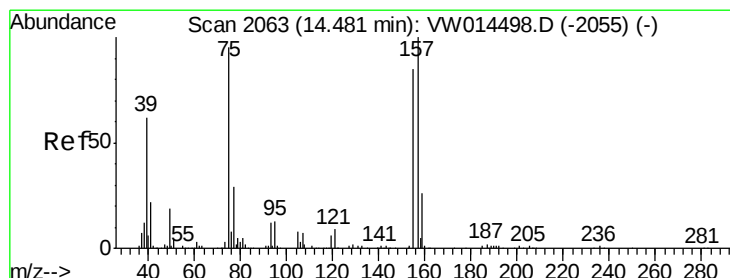
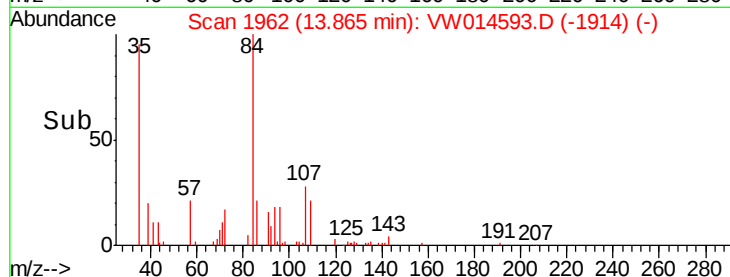
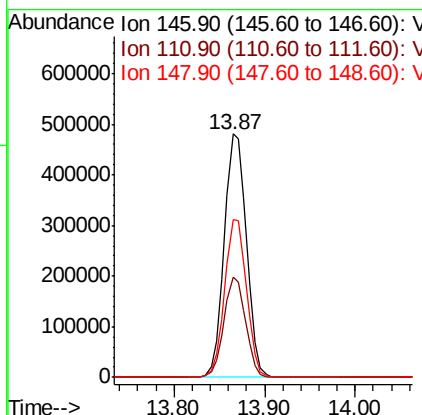
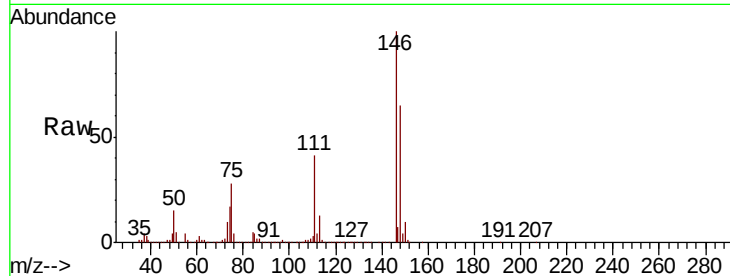




#91
 1,2-Dichlorobenzene
 Concen: 56.222 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

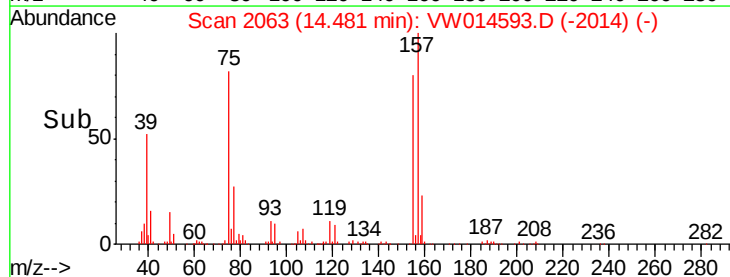
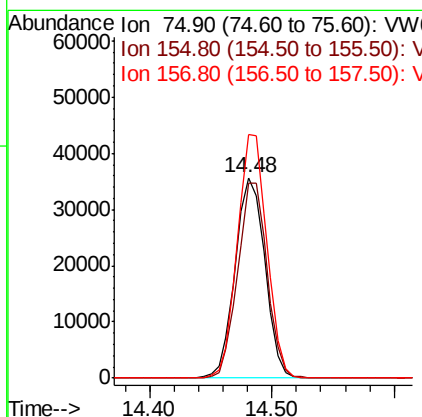
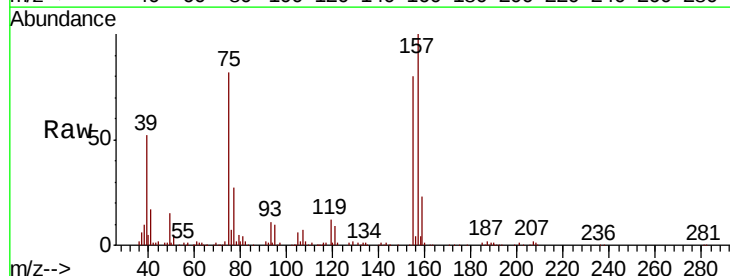
Instrument :
 MSVOA_W
 ClientSampleId :

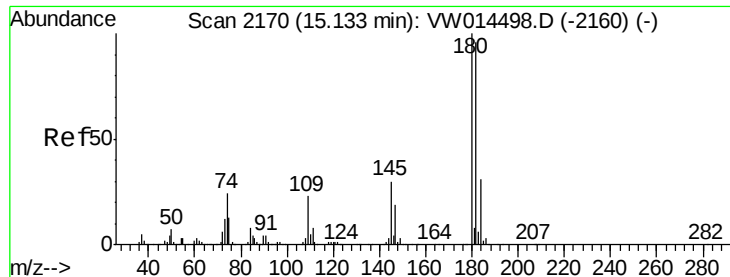
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.484 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	45.8	137.4
157	120.0	58.1	174.2

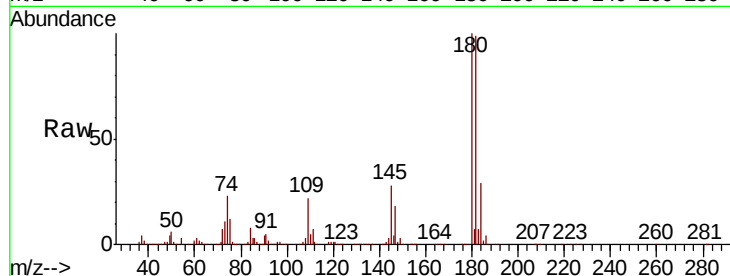




#93
 1,2,4-Trichlorobenzene
 Concen: 60.793 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	28.1	14.7	44.1

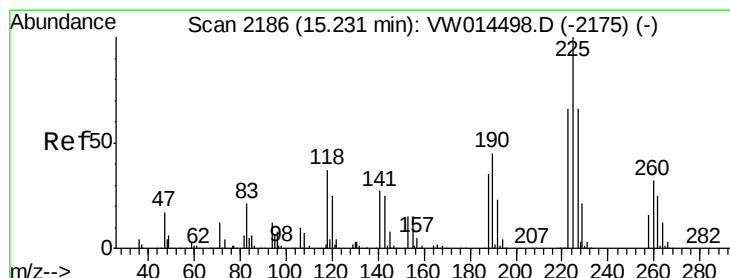
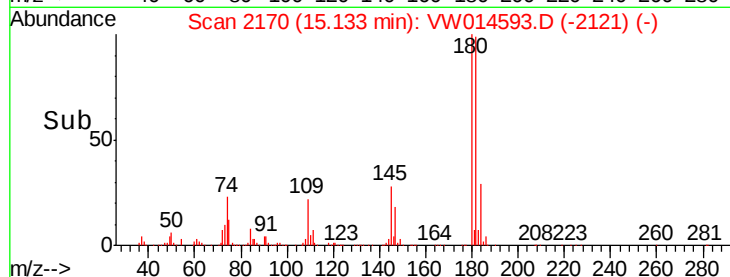
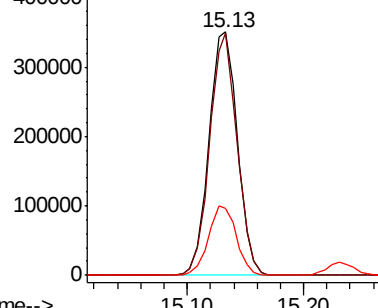


Abundance

Ion 179.80 (179.50 to 180.50): V

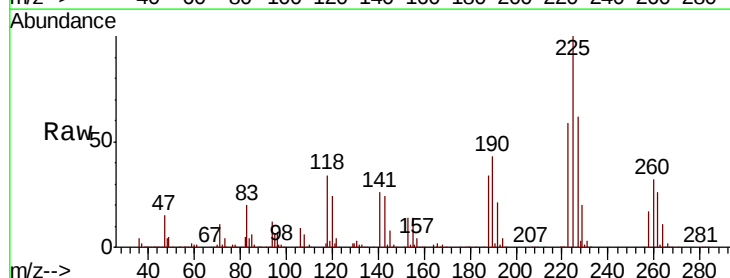
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.358 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.4	97.2
227	63.8	32.6	97.8

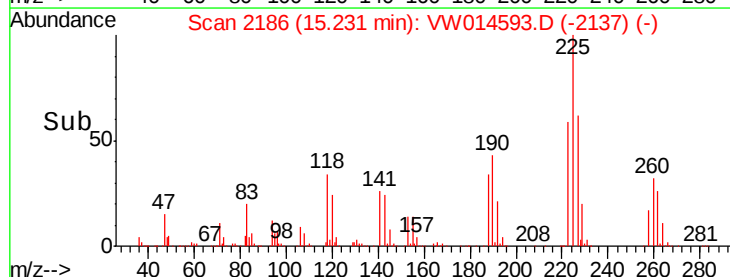
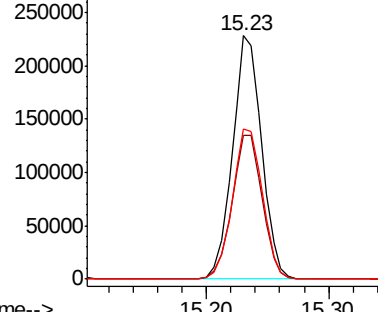


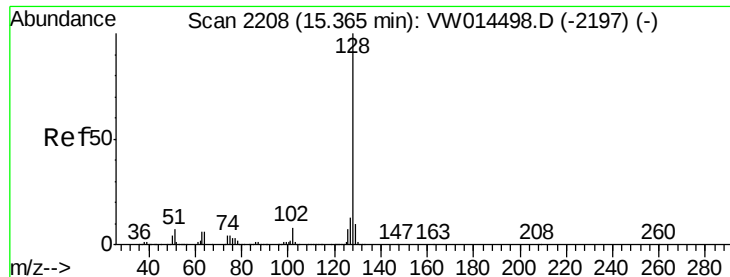
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

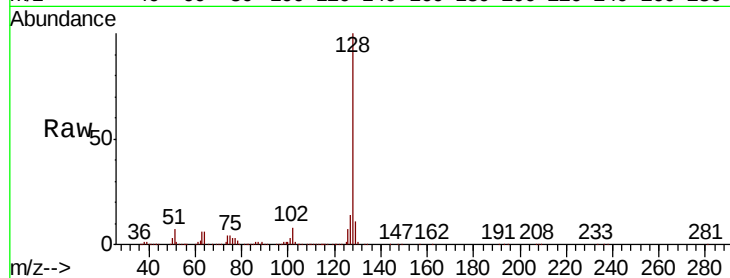




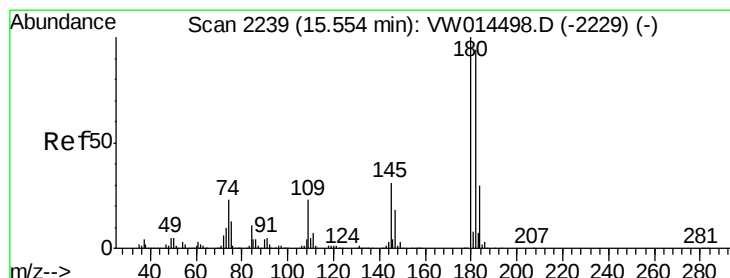
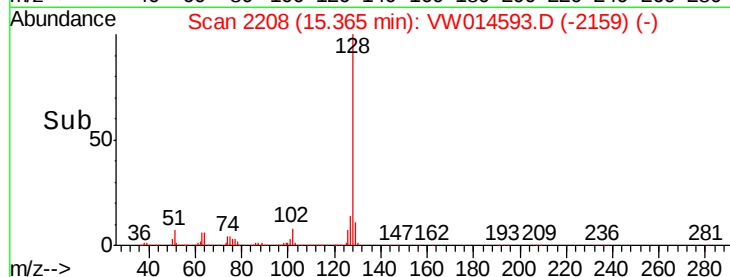
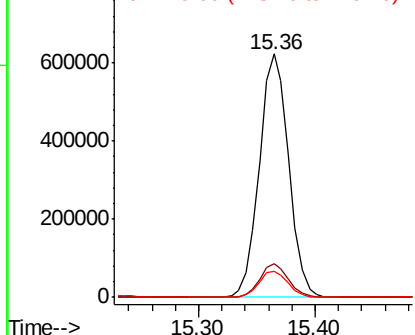
#95
Naphthalene
Concen: 65.191 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 1092426
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.8 8.7 13.1

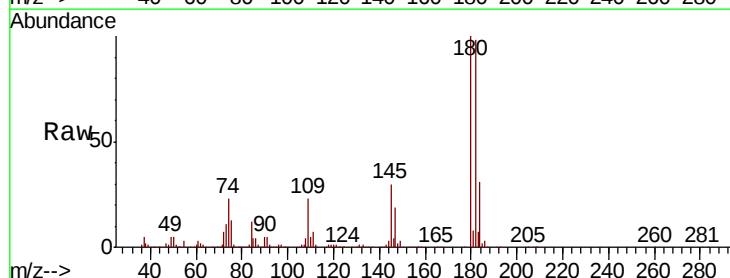


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 60.904 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:180 Resp: 521627
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 30.3 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

