

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014554.D
 Acq On : 08 Jan 2020 12:02
 Operator : SY/VA
 Sample : VW0108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 12:56:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	740795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1134323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	984283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	478274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	316538	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	7.88	113	315979	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.32	98	1316945	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.62	95	448777	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	80494	19.245	ug/l	98
3) Chloromethane	2.21	50	107155	20.930	ug/l	96
4) Vinyl Chloride	2.35	62	154315	20.493	ug/l	100
5) Bromomethane	2.76	94	99431	21.375	ug/l	99
6) Chloroethane	2.92	64	89577	20.868	ug/l	99
7) Trichlorofluoromethane	3.25	101	66528	17.658	ug/l	98
8) Diethyl Ether	3.68	74	77412	20.650	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139392	19.801	ug/l	99
10) Methyl Iodide	4.27	142	218813	20.601	ug/l	100
11) Tert butyl alcohol	5.15	59	49963	84.904	ug/l	100
12) 1,1-Dichloroethene	4.04	96	145589	19.749	ug/l	97
13) Acrolein	3.89	56	49280	87.174	ug/l	99
14) Allyl chloride	4.66	41	227862	20.226	ug/l	99
15) Acrylonitrile	5.36	53	163190	95.238	ug/l	99
16) Acetone	4.12	43	163110	89.187	ug/l	96
17) Carbon Disulfide	4.38	76	434887	19.573	ug/l	97
18) Methyl Acetate	4.67	43	86348	19.549	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	192512	21.037	ug/l	95
20) Methylene Chloride	4.92	84	173259	20.782	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	161507	20.633	ug/l	99
22) Diisopropyl ether	6.31	45	450956	21.386	ug/l	98
23) Vinyl Acetate	6.25	43	1264659	99.320	ug/l	98
24) 1,1-Dichloroethane	6.21	63	280050	21.055	ug/l	99
25) 2-Butanone	7.17	43	224396	95.609	ug/l	100
26) 2,2-Dichloropropane	7.16	77	155040	21.054	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	174251	21.185	ug/l	100
28) Bromochloromethane	7.51	49	97472	18.692	ug/l	99
29) Tetrahydrofuran	7.52	42	133894	92.087	ug/l	99
30) Chloroform	7.67	83	264652	21.277	ug/l	99
31) Cyclohexane	7.95	56	263730	19.079	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	204218	20.415	ug/l	99
36) 1,1-Dichloropropene	8.08	75	215759	19.730	ug/l	98
37) Ethyl Acetate	7.24	43	93598	18.872	ug/l	99
38) Carbon Tetrachloride	8.07	117	186171	19.624	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014554.D
 Acq On : 08 Jan 2020 12:02
 Operator : SY/VA
 Sample : VW0108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 12:56:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	262779	18.725	ug/l	99
40) Benzene	8.32	78	644572	20.833	ug/l	98
41) Methacrylonitrile	7.48	41	55651	20.130	ug/l	94
42) 1,2-Dichloroethane	8.40	62	164675	20.509	ug/l	99
43) Isopropyl Acetate	8.42	43	168309	18.689	ug/l	98
44) Trichloroethene	9.09	130	170656	20.384	ug/l	93
45) 1,2-Dichloropropane	9.37	63	161377	21.255	ug/l	96
46) Dibromomethane	9.45	93	75402	20.117	ug/l	98
47) Bromodichloromethane	9.64	83	190444	20.580	ug/l	99
48) Methyl methacrylate	9.43	41	75180	17.098	ug/l	90
49) 1,4-Dioxane	9.45	88	25571	364.763	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	446237	95.414	ug/l	100
52) Toluene	10.38	92	408144	20.968	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	193033	20.147	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	241493	20.623	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	110971	20.272	ug/l	99
56) Ethyl methacrylate	10.64	69	138121	19.415	ug/l	100
57) 1,3-Dichloropropane	10.93	76	195290	20.299	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	205693	95.069	ug/l	100
59) 2-Hexanone	10.97	43	306037	94.961	ug/l	98
60) Dibromochloromethane	11.13	129	123692	20.027	ug/l	99
61) 1,2-Dibromoethane	11.23	107	104888	20.186	ug/l	100
64) Tetrachloroethene	10.86	164	150237	21.083	ug/l	97
65) Chlorobenzene	11.65	112	419269	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	141175	20.793	ug/l	99
67) Ethyl Benzene	11.73	91	751597	20.682	ug/l	98
68) m/p-Xylenes	11.83	106	578377	41.585	ug/l	99
69) o-Xylene	12.16	106	268707	20.915	ug/l	99
70) Styrene	12.18	104	462558	21.287	ug/l	99
71) Bromoform	12.35	173	70910	19.148	ug/l #	97
73) Isopropylbenzene	12.46	105	721963	20.573	ug/l	100
74) N-amyl acetate	12.27	43	149902	19.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123546	19.505	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	156834	34.682	ug/l #	100
77) Bromobenzene	12.74	156	168144	20.629	ug/l	99
78) n-propylbenzene	12.80	91	853544	20.684	ug/l	100
79) 2-Chlorotoluene	12.89	91	491657	20.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	616528	20.924	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37162	18.310	ug/l	94
82) 4-Chlorotoluene	12.99	91	514070	21.070	ug/l	100
83) tert-Butylbenzene	13.21	119	527537	20.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	615179	20.980	ug/l	100
85) sec-Butylbenzene	13.38	105	724108	20.278	ug/l	100
86) p-Isopropyltoluene	13.49	119	667450	20.506	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	333065	21.014	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	324497	20.738	ug/l	97
89) n-Butylbenzene	13.82	91	614819	20.341	ug/l	99
90) Hexachloroethane	14.09	117	112617	19.806	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	288507	20.710	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18549	18.492	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
Data File : VW014554.D
Acq On : 08 Jan 2020 12:02
Operator : SY/VA
Sample : VW0108SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 08 12:56:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	186940	19.872	ug/l	97
94) Hexachlorobutadiene	15.24	225	125155	19.852	ug/l	97
95) Naphthalene	15.36	128	297153	18.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	164462	20.056	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

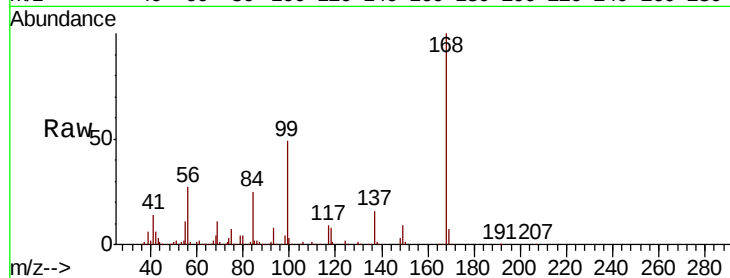
ClientSampled :

Tot Ion:168 Resp: 740795

Ion Ratio Lower Upper

168 100

99 49.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

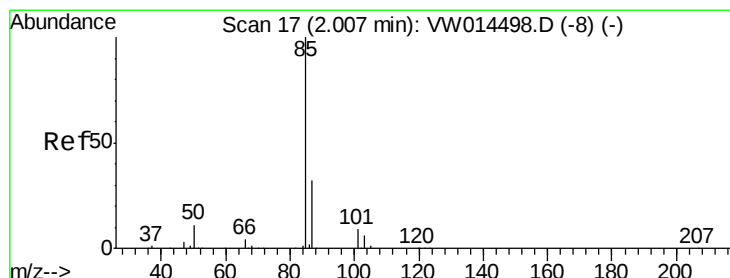
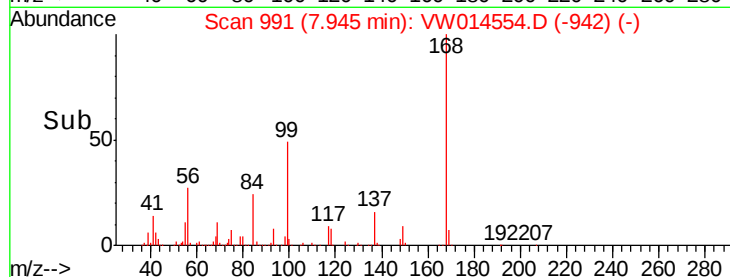
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.245 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014554.D

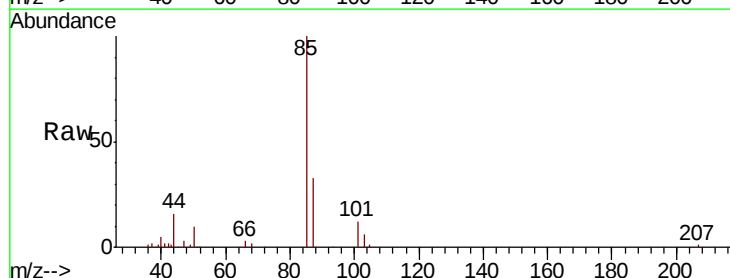
Acq: 08 Jan 2020 12:02

Tgt Ion: 85 Resp: 80494

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

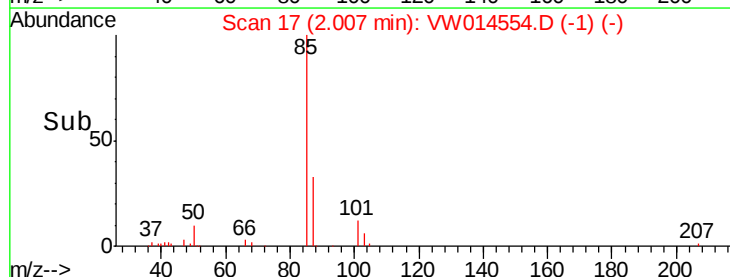
15000

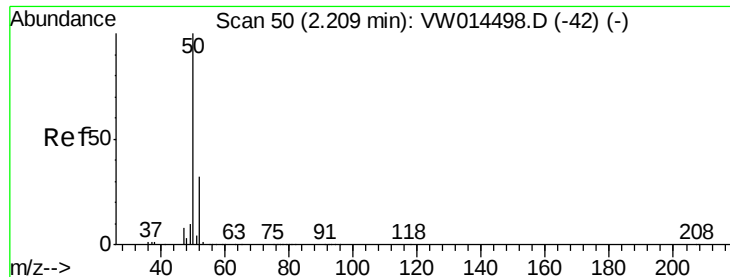
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.930 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

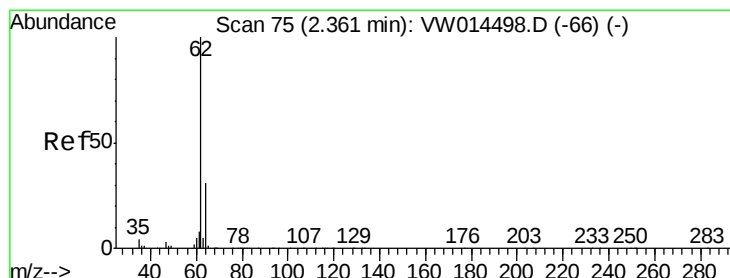
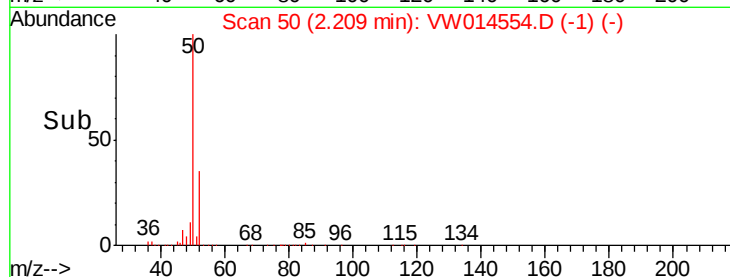
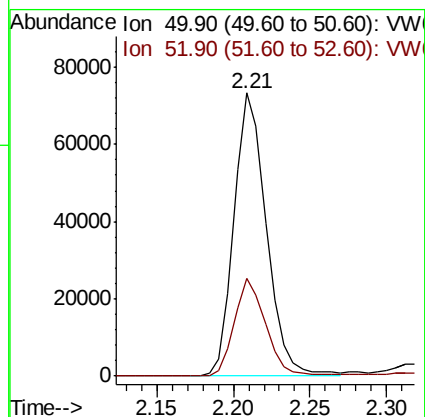
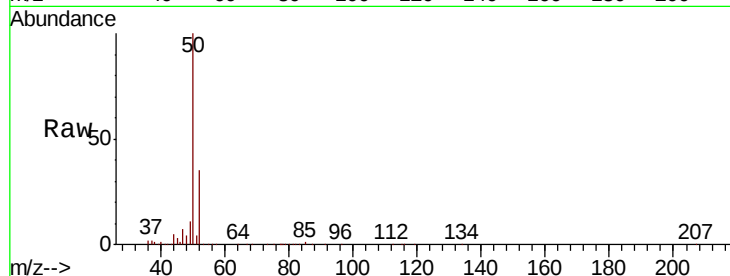
ClientSampleId :

Tot Ion: 50 Resp: 107155

Ion Ratio Lower Upper

50 100

52 34.6 25.8 38.8



#4

Vinyl Chloride

Concen: 20.493 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014554.D

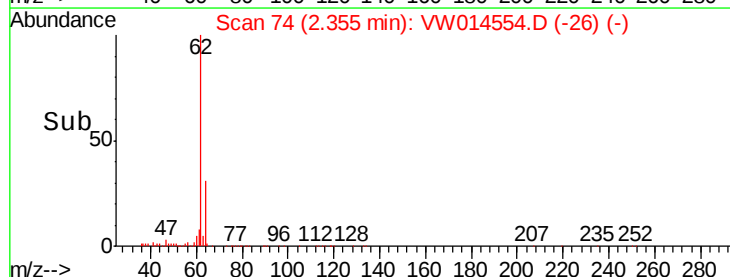
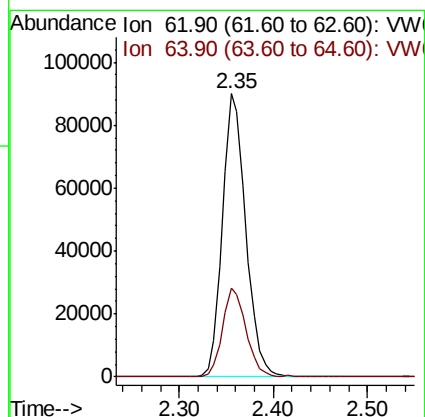
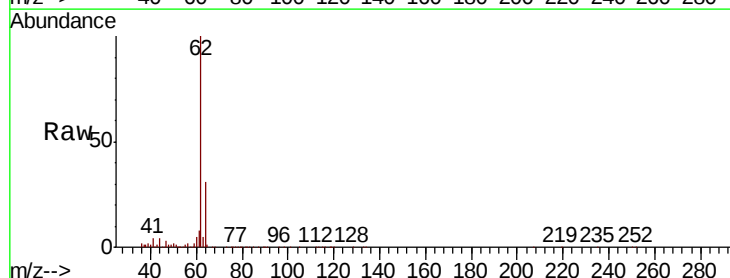
Acq: 08 Jan 2020 12:02

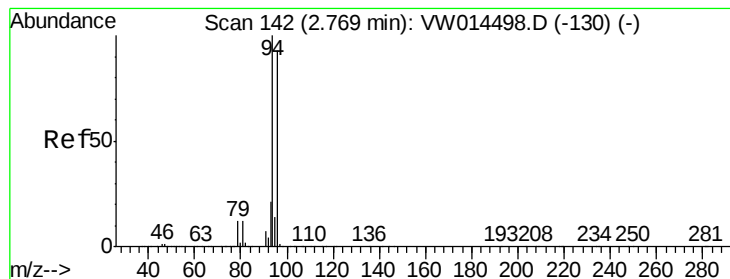
Tgt Ion: 62 Resp: 154315

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 21.375 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

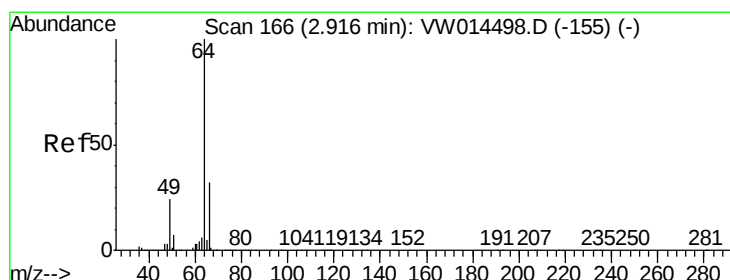
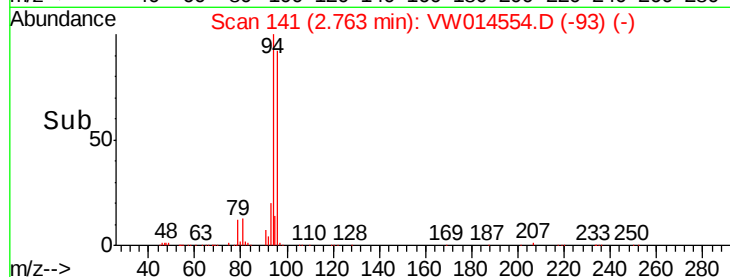
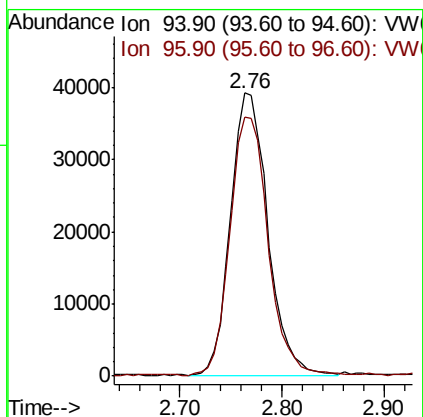
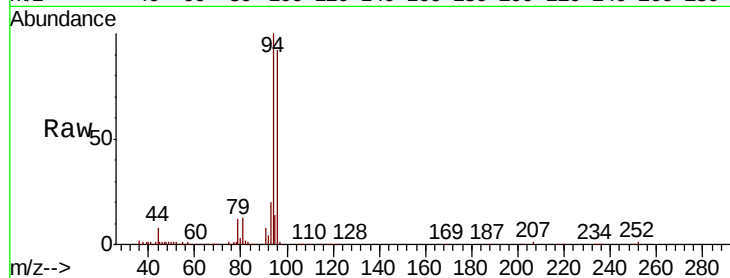
ClientSampled :

Tot Ion: 94 Resp: 99431

Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.2



#6

Chloroethane

Concen: 20.868 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014554.D

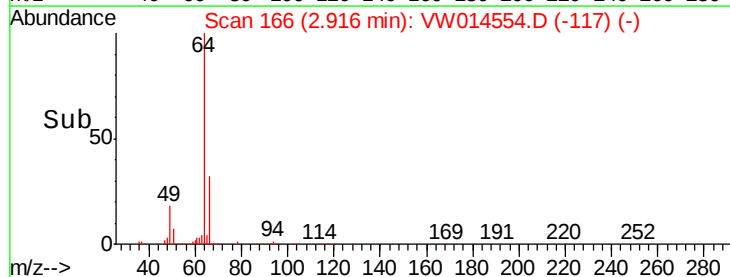
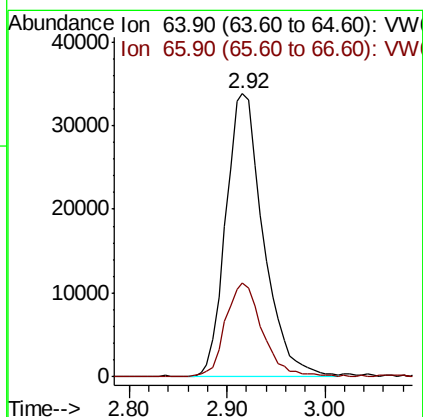
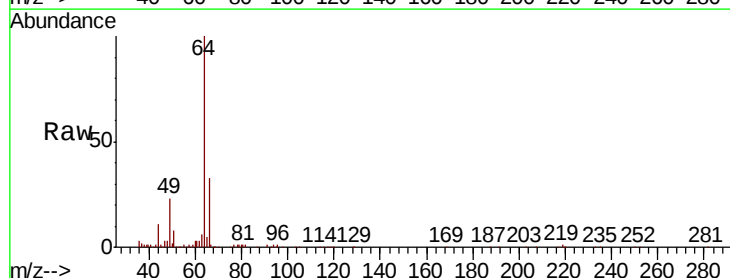
Acq: 08 Jan 2020 12:02

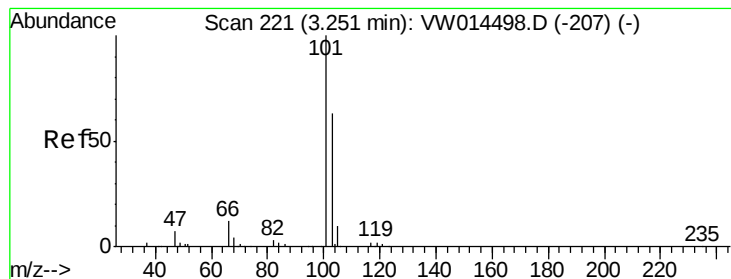
Tgt Ion: 64 Resp: 89577

Ion Ratio Lower Upper

64 100

66 32.9 25.7 38.5



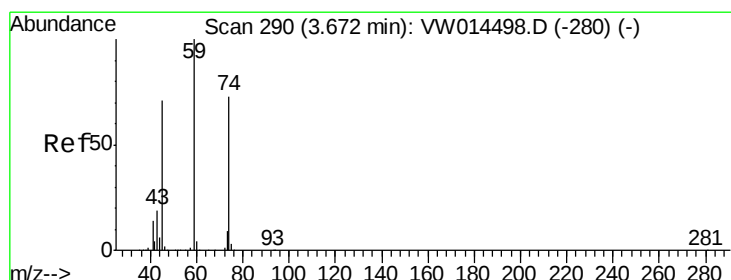
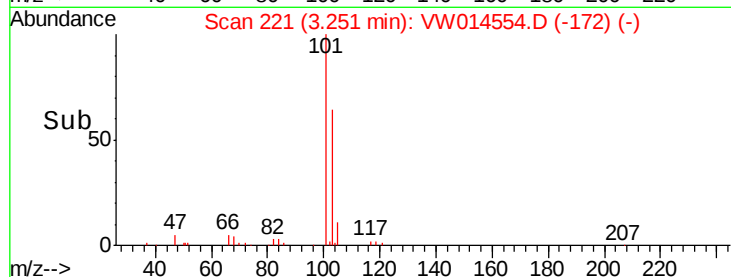
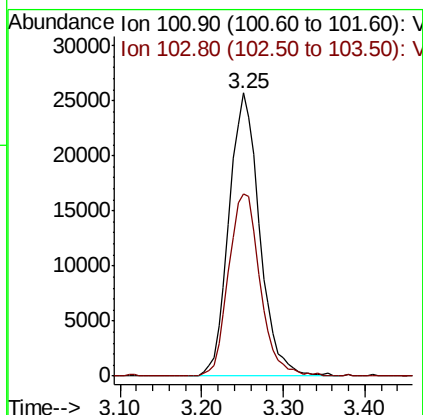
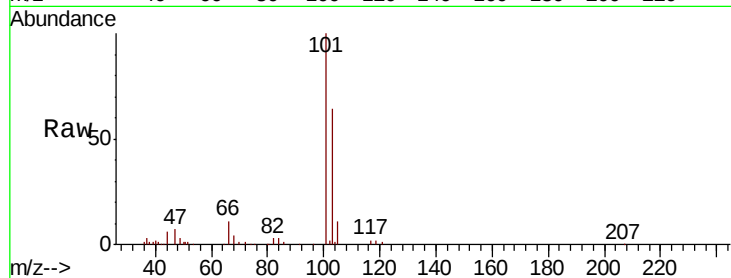


#7

Trichlorofluoromethane
Concen: 17.658 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampled :

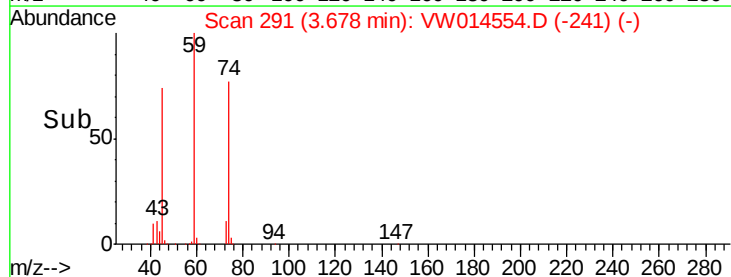
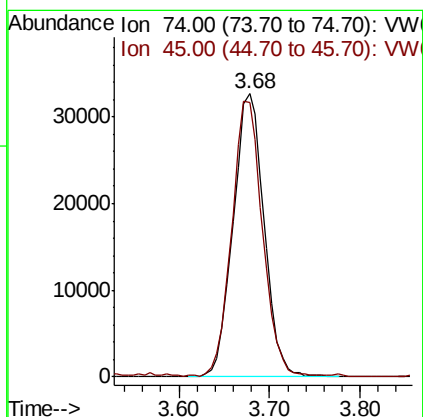
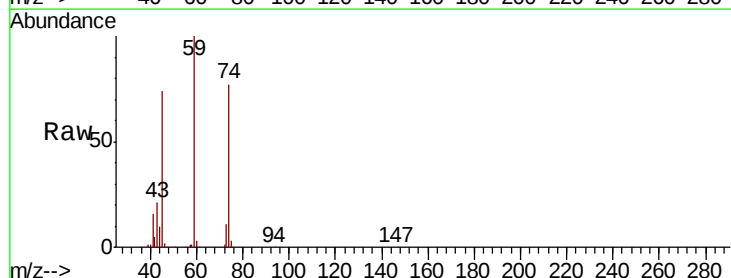
Tot Ion:101 Resp: 66528
Ion Ratio Lower Upper
101 100
103 64.3 50.1 75.1

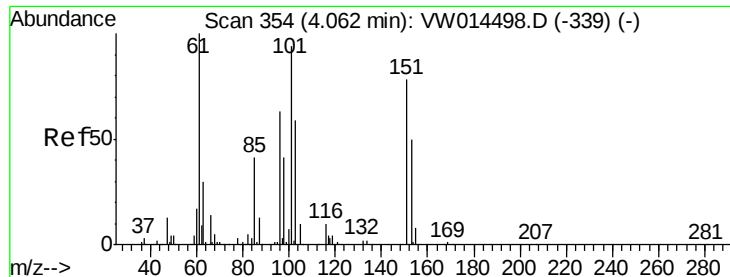


#8

Diethyl Ether
Concen: 20.650 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 74 Resp: 77412
Ion Ratio Lower Upper
74 100
45 96.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.801 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

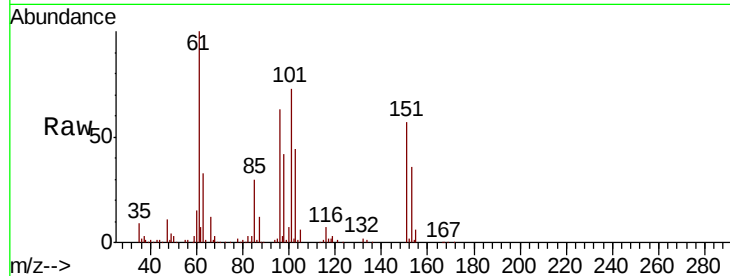
Tot Ion:101 Resp: 139392

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

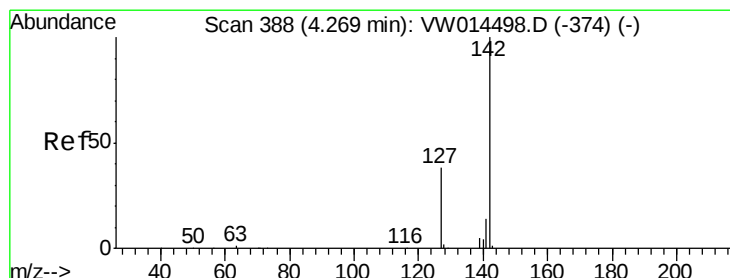
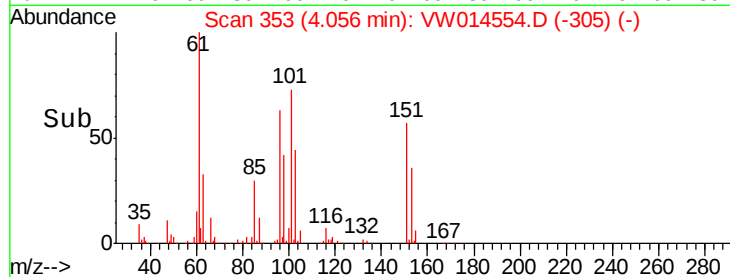
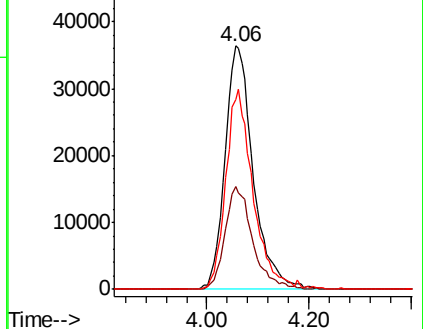
151 78.6 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.601 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

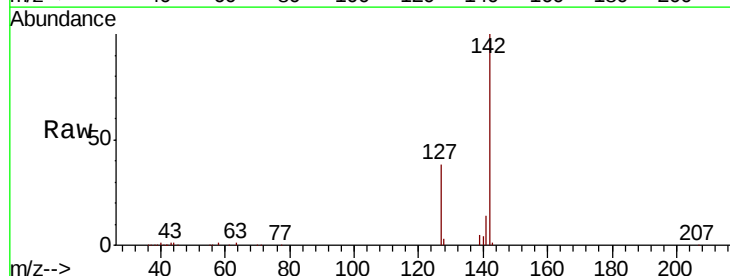
Tgt Ion:142 Resp: 218813

Ion Ratio Lower Upper

142 100

127 38.0 30.2 45.4

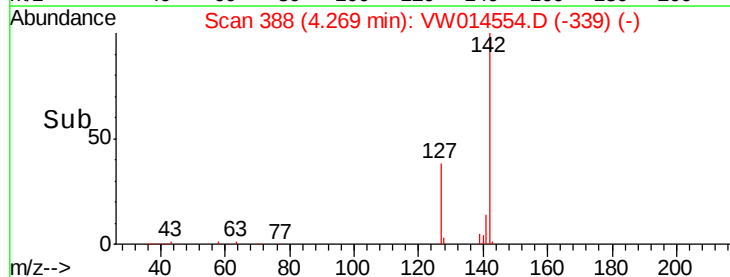
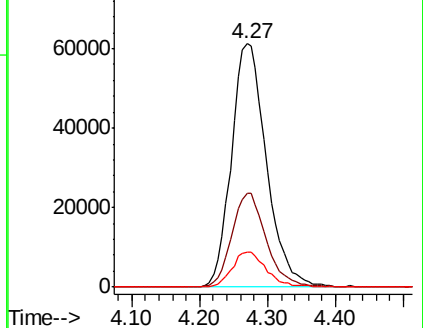
141 14.0 11.4 17.2

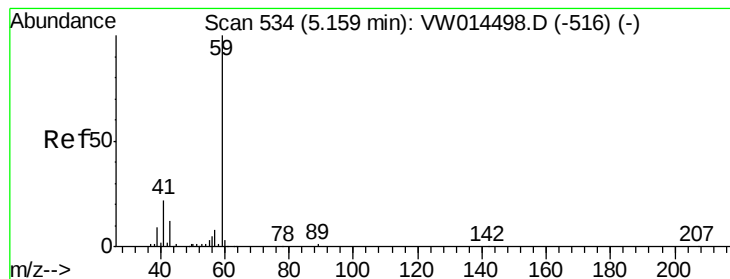


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.904 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

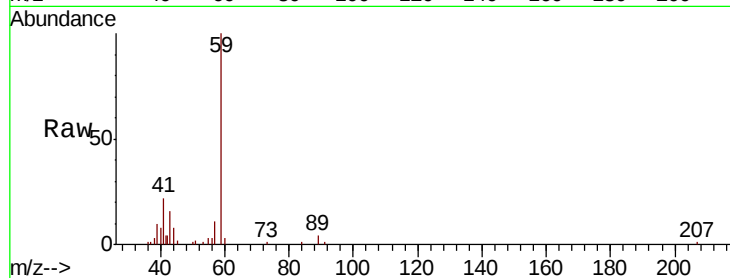
ClientSampleId :

Tot Ion: 59 Resp: 49963

Ion Ratio Lower Upper

59 100

57 9.7 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

15000

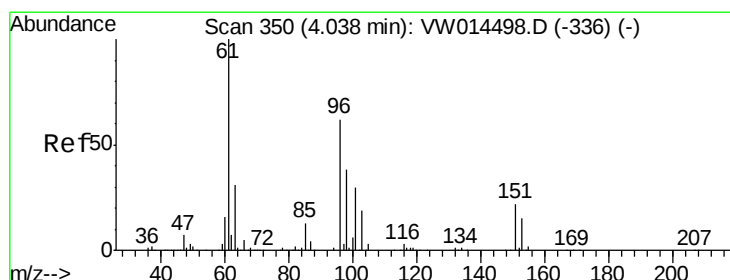
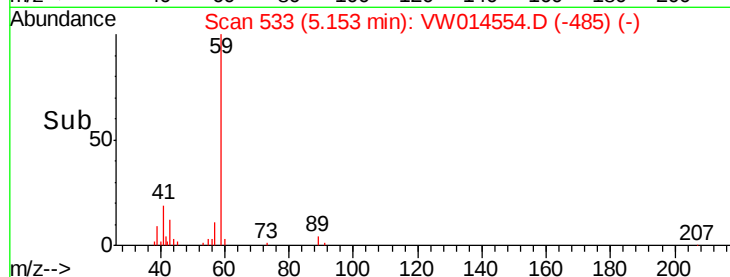
10000

5000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 19.749 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

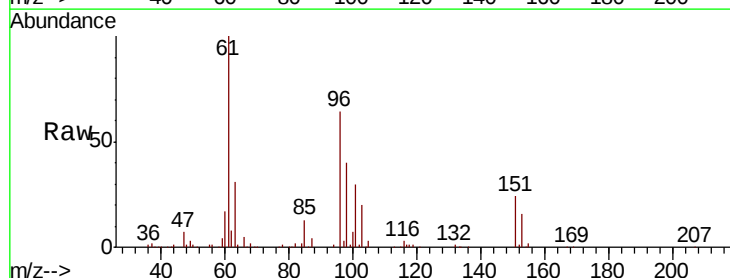
Tgt Ion: 96 Resp: 145589

Ion Ratio Lower Upper

96 100

61 156.6 128.4 192.6

98 62.9 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

4.04

80000

60000

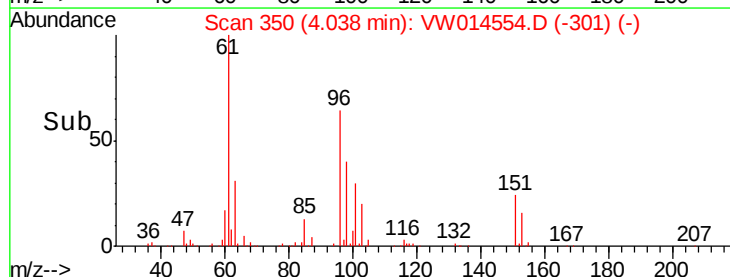
40000

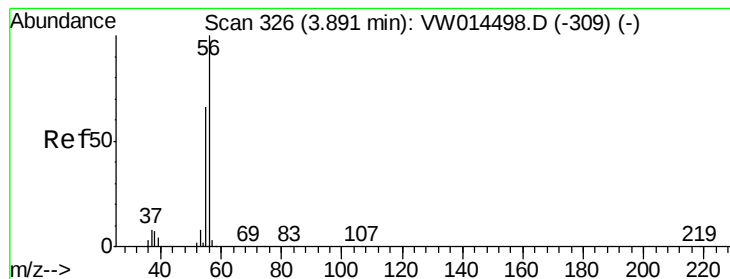
20000

0

Time-->

3.90 4.00 4.10 4.20 4.30





#13

Acrolein

Concen: 87.174 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

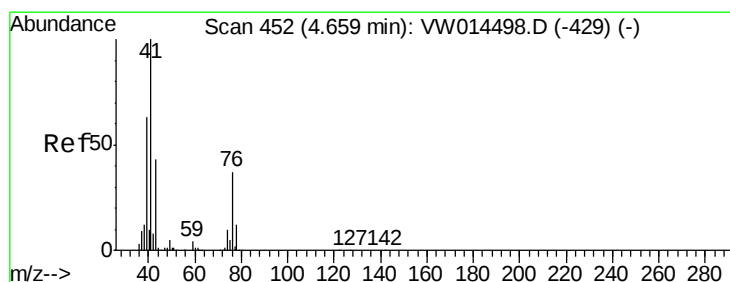
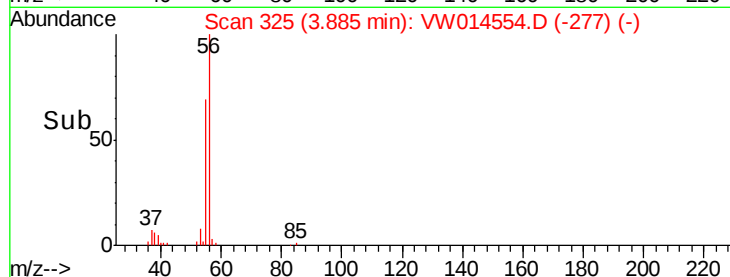
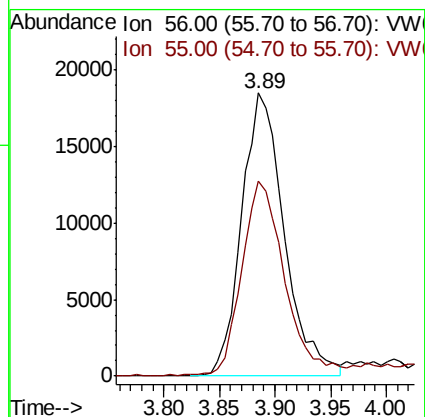
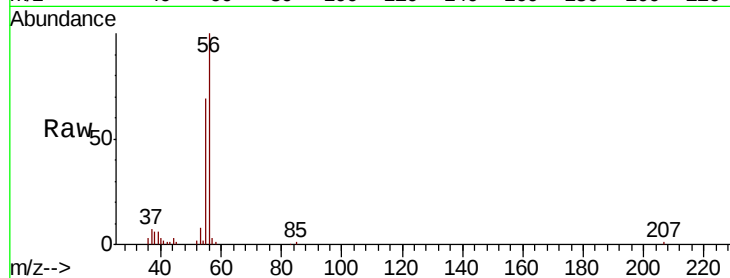
ClientSampleId :

Tot Ion: 56 Resp: 49280

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 20.226 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

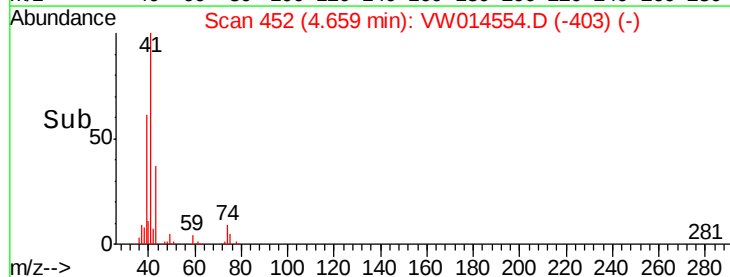
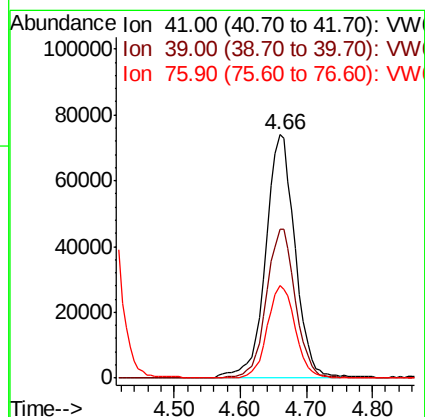
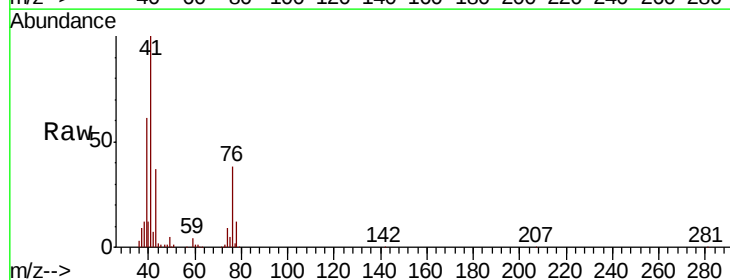
Tgt Ion: 41 Resp: 227862

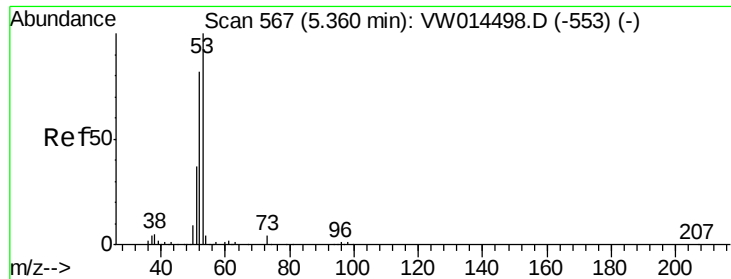
Ion Ratio Lower Upper

41 100

39 60.9 48.5 72.7

76 36.4 28.1 42.1





#15

Acrylonitrile

Concen: 95.238 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

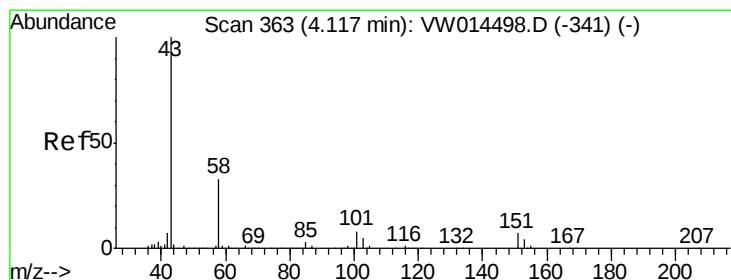
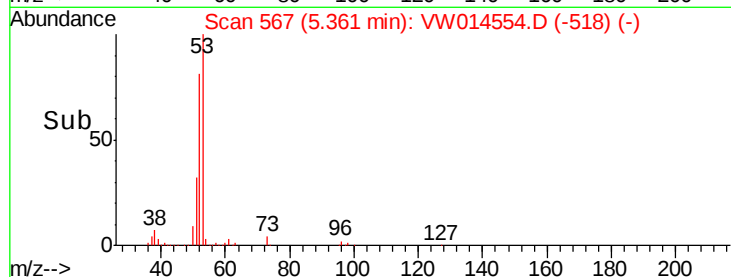
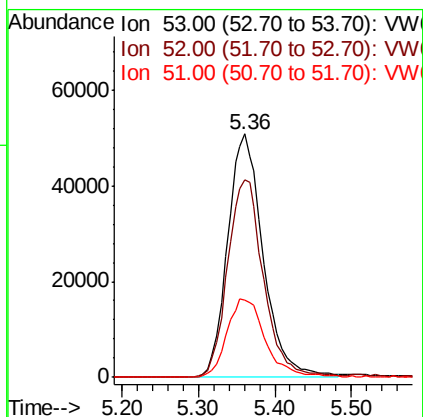
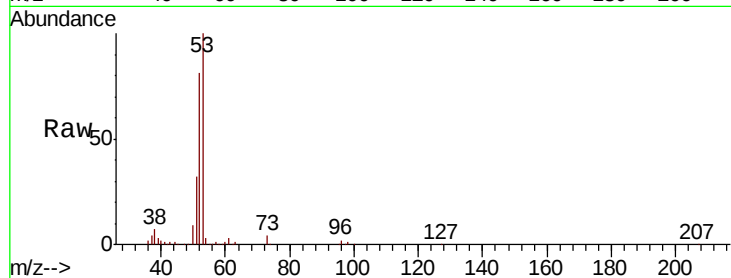
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 163190

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	34.8	28.4	42.6



#16

Acetone

Concen: 89.187 ug/l

RT: 4.12 min Scan# 363

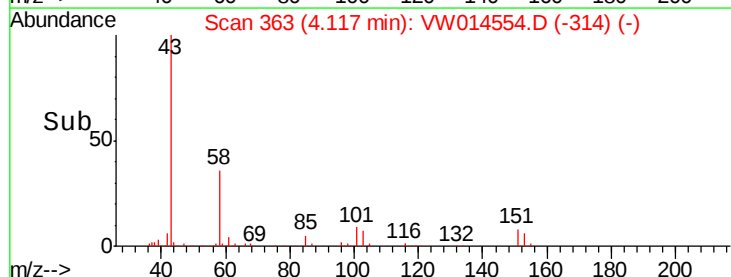
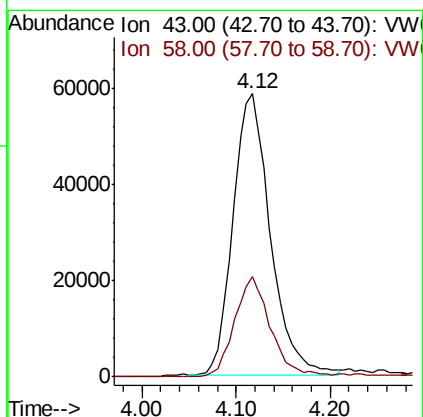
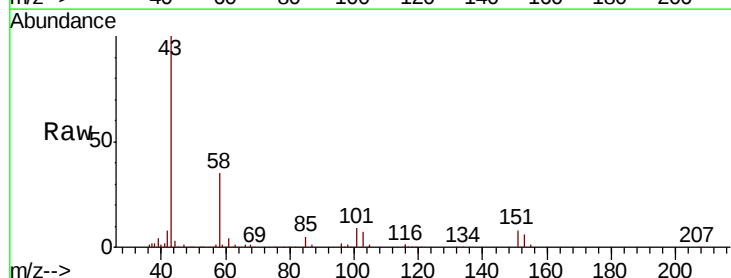
Delta R.T. 0.00 min

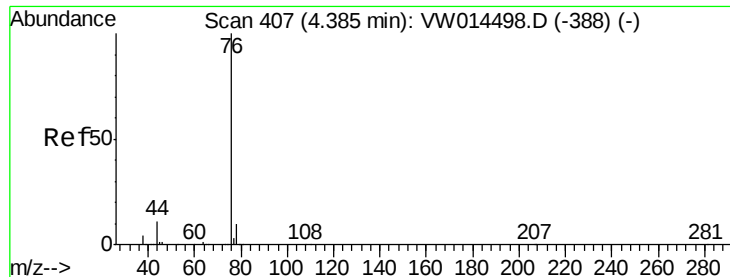
Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Tgt Ion: 43 Resp: 163110

Ion	Ratio	Lower	Upper
43	100		
58	35.2	26.6	39.8





#17

Carbon Disulfide

Concen: 19.573 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

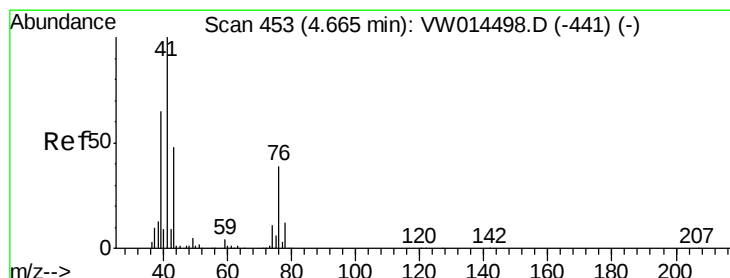
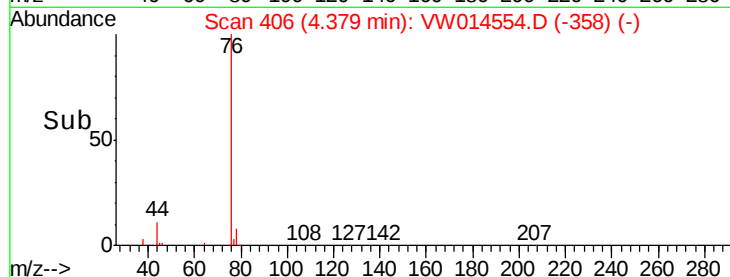
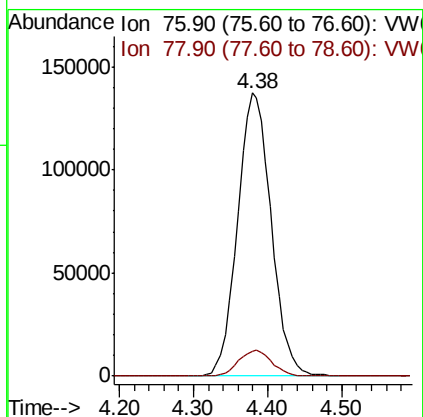
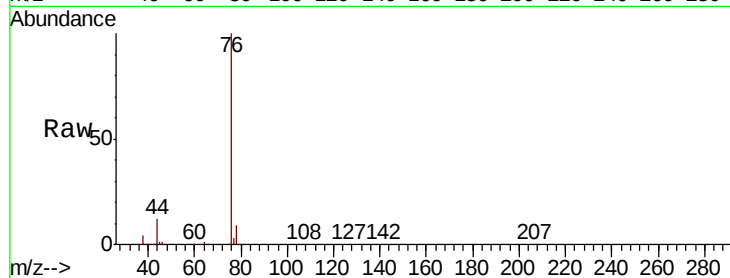
ClientSampled :

Tot Ion: 76 Resp: 434887

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6



#18

Methyl Acetate

Concen: 19.549 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014554.D

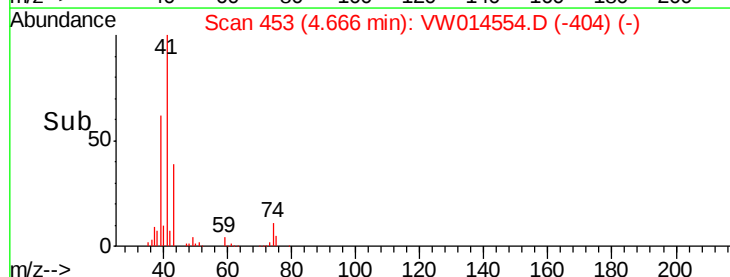
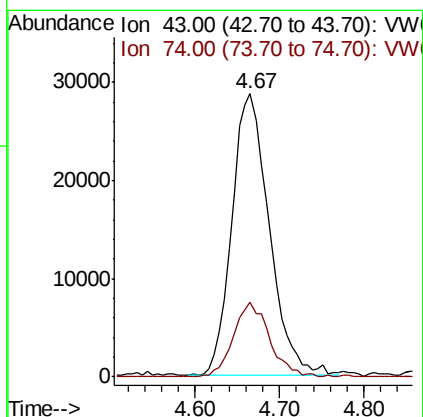
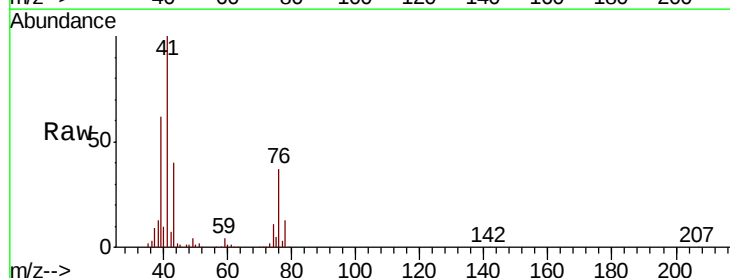
Acq: 08 Jan 2020 12:02

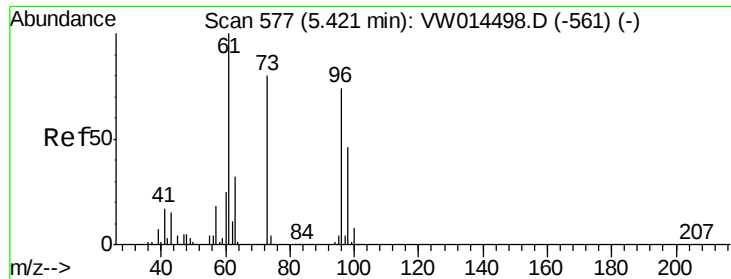
Tgt Ion: 43 Resp: 86348

Ion Ratio Lower Upper

43 100

74 25.8 19.3 28.9

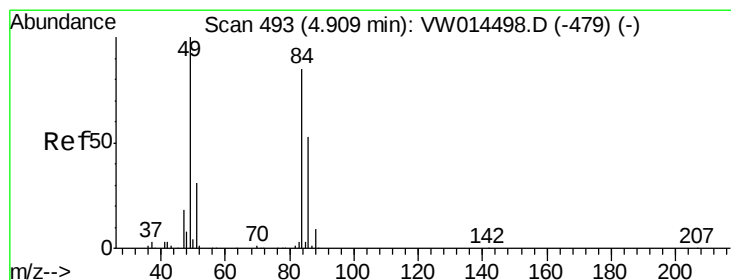
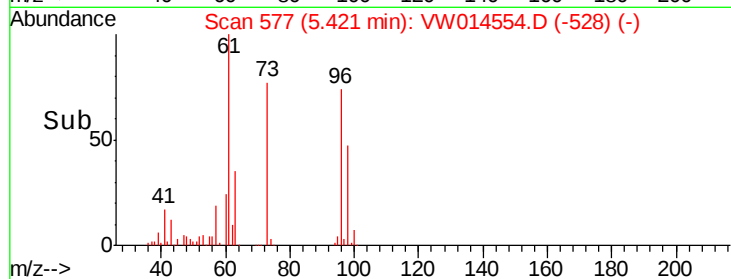
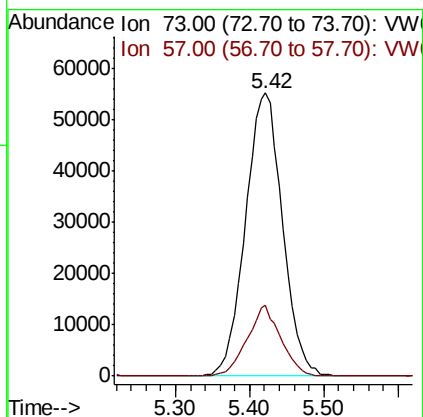
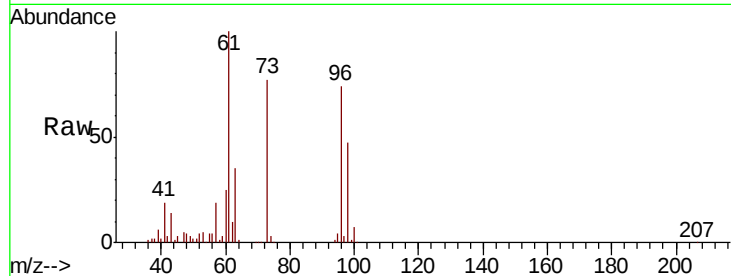




#19
Methvl tert-butvl Ether
Concen: 21.037 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

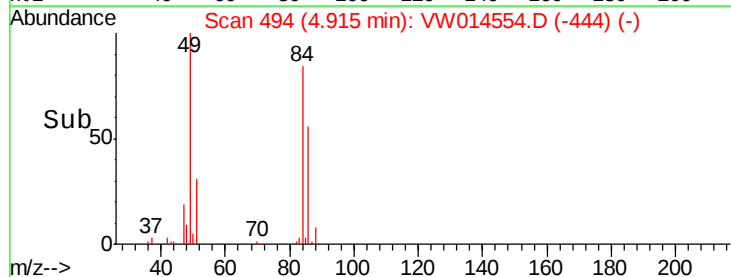
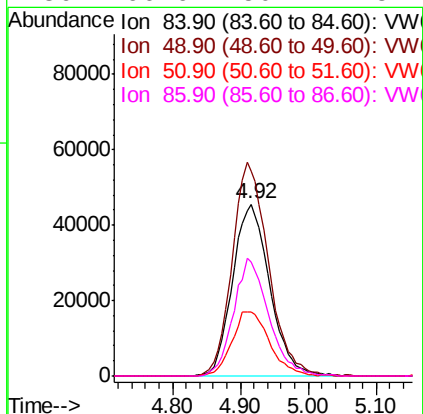
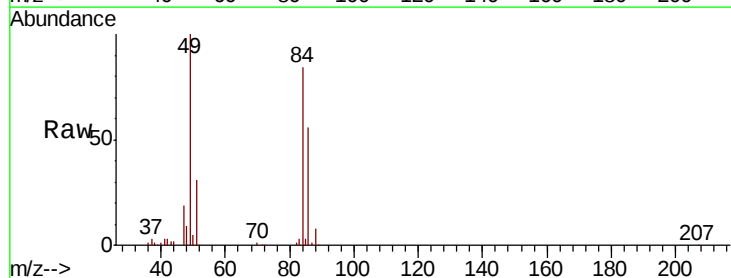
Instrument :
MSVOA_W
ClientSampleId :

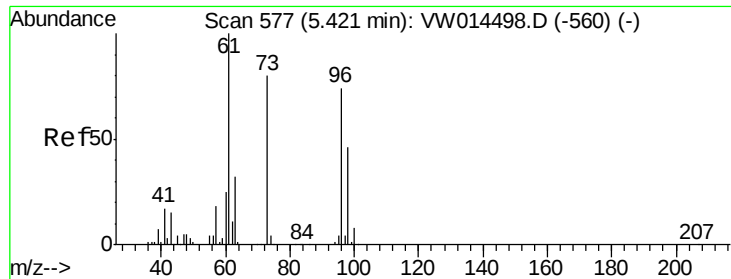
Tot Ion: 73 Resp: 192512
Ion Ratio Lower Upper
73 100
57 24.9 18.1 27.1



#20
Methylene Chloride
Concen: 20.782 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 84 Resp: 173259
Ion Ratio Lower Upper
84 100
49 119.5 94.4 141.6
51 37.3 29.5 44.3
86 66.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.633 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

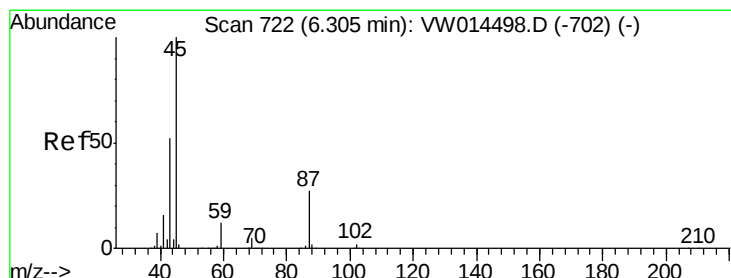
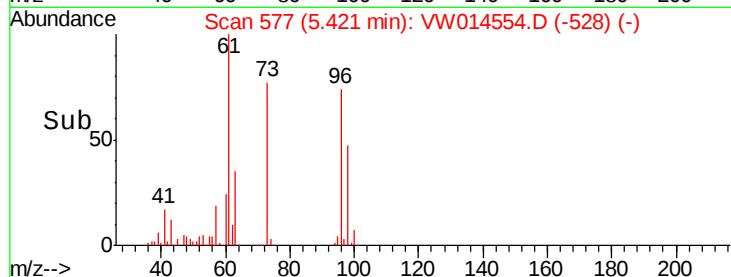
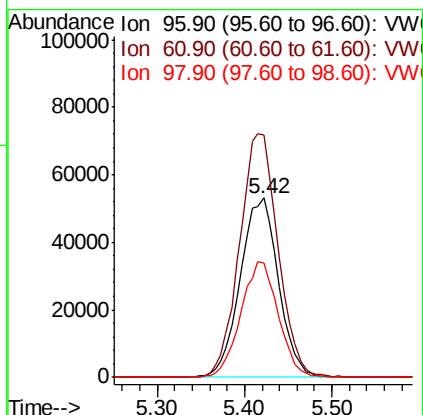
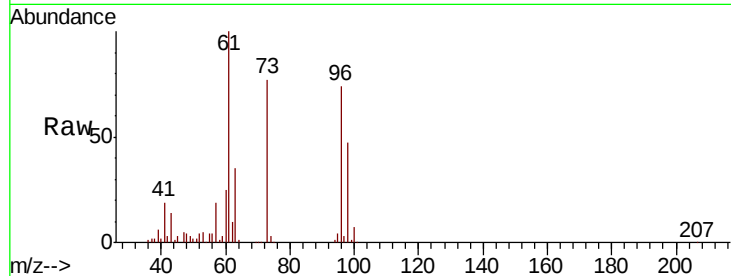
Tot Ion: 96 Resp: 161507

Ion Ratio Lower Upper

96 100

61 135.7 107.8 161.6

98 63.7 49.4 74.0



#22

Diisopropyl ether

Concen: 21.386 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Tgt Ion: 45 Resp: 450956

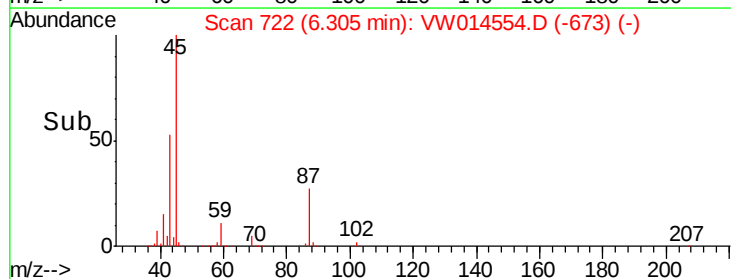
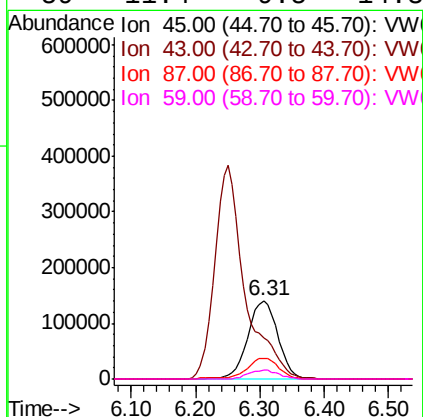
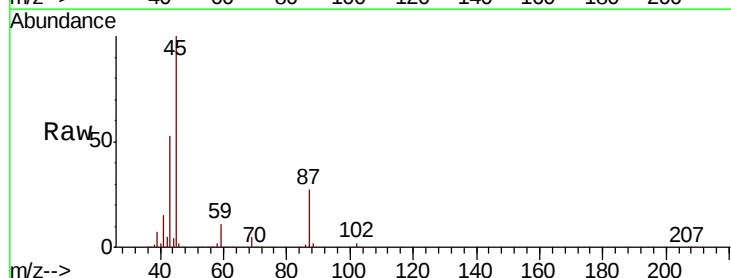
Ion Ratio Lower Upper

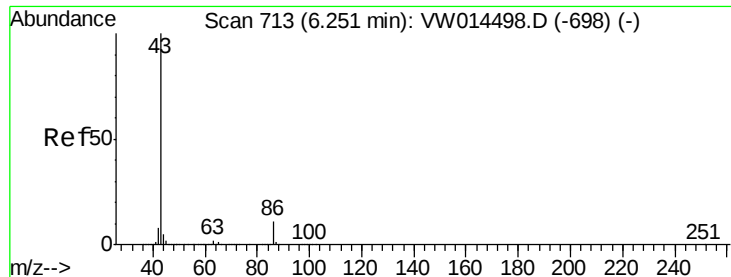
45 100

43 52.7 41.4 62.0

87 26.8 22.2 33.2

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 99.320 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

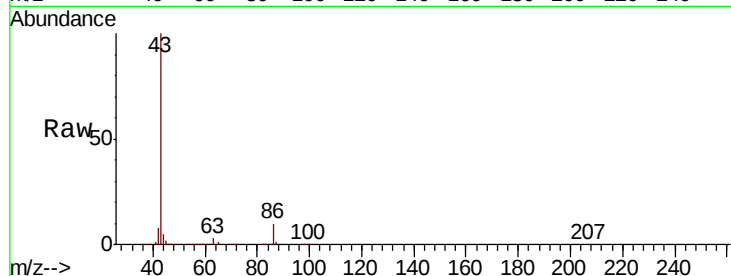
ClientSampled :

Tot Ion: 43 Resp: 1264659

Ion Ratio Lower Upper

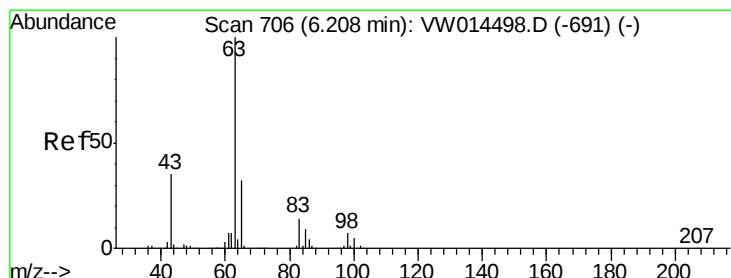
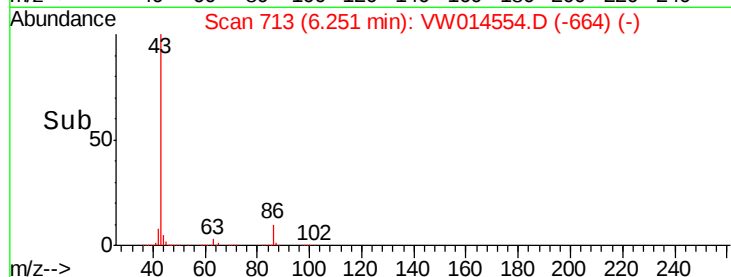
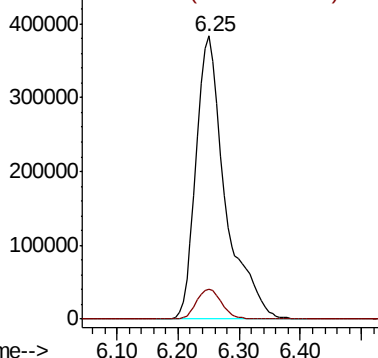
43 100

86 10.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.055 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

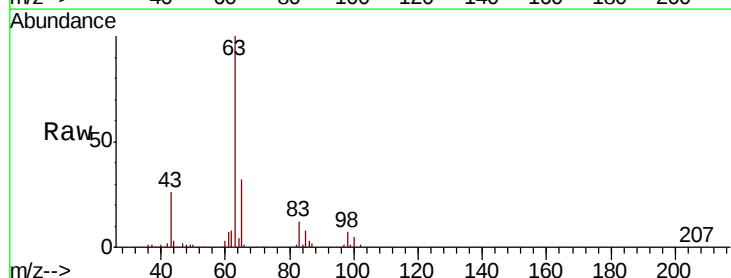
Tgt Ion: 63 Resp: 280050

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

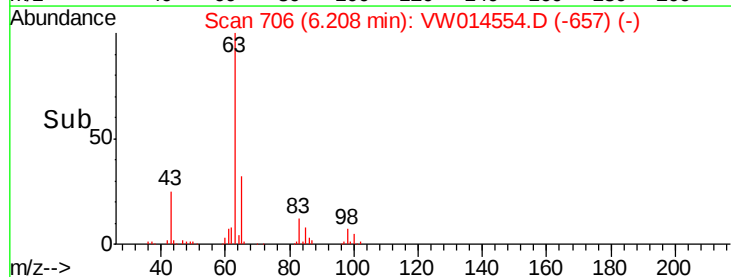
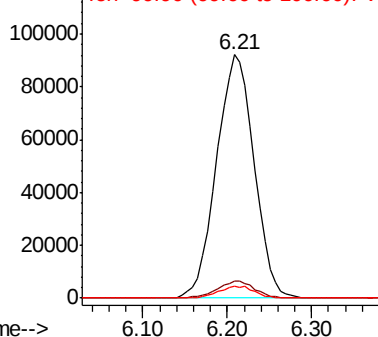
100 4.7 2.5 7.4

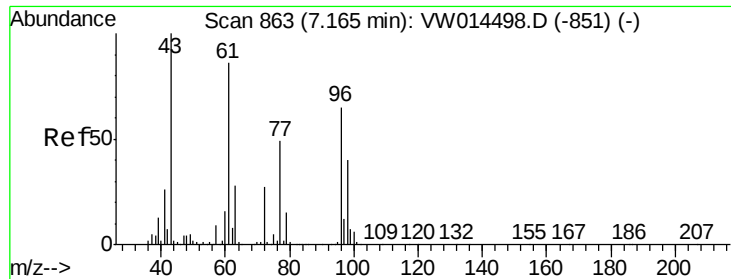


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

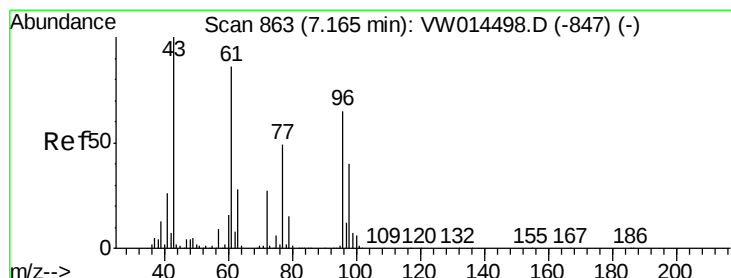
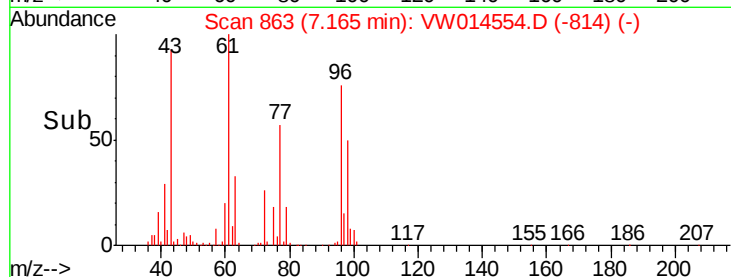
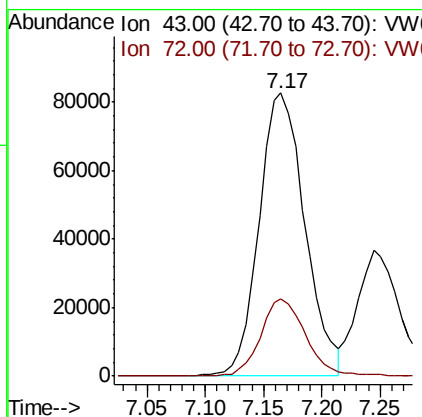
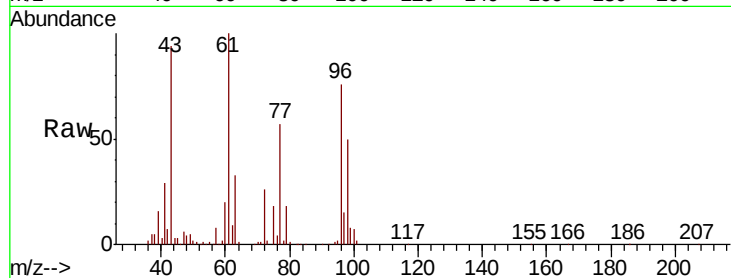




#25
 2-Butanone
 Concen: 95.609 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

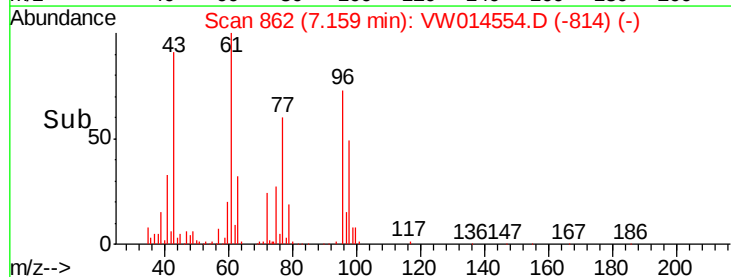
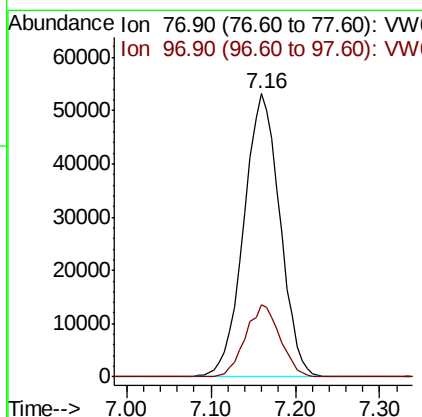
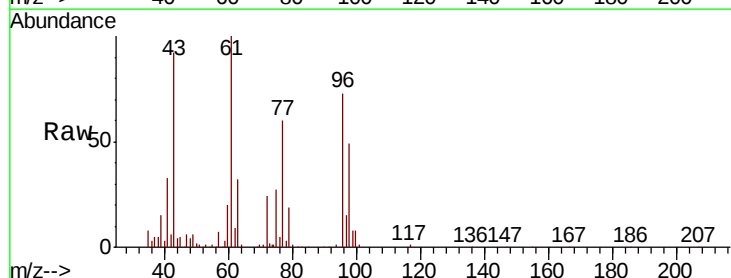
Instrument :
 MSVOA_W
 ClientSampled :

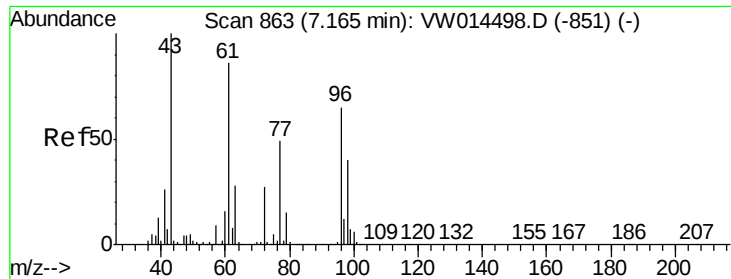
Tot Ion: 43 Resp: 224396
 Ion Ratio Lower Upper
 43 100
 72 27.6 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 21.054 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion: 77 Resp: 155040
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.5 37.5



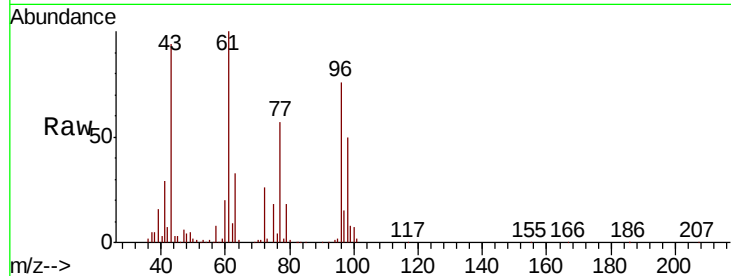


#27

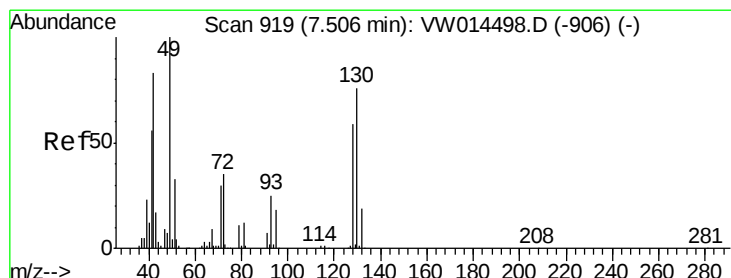
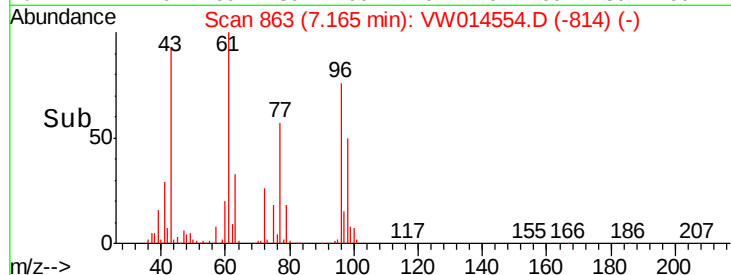
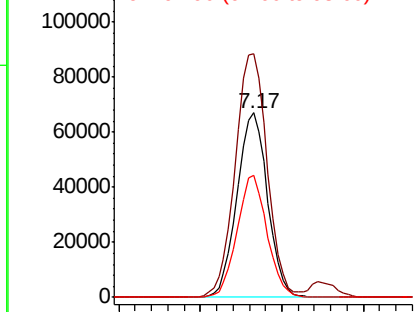
cis-1,2-Dichloroethene
Concen: 21.185 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 174251
Ion Ratio Lower Upper
96 100
61 138.0 0.0 274.8
98 64.5 0.0 128.6



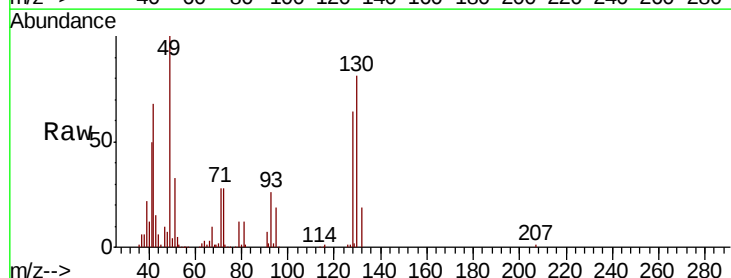
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



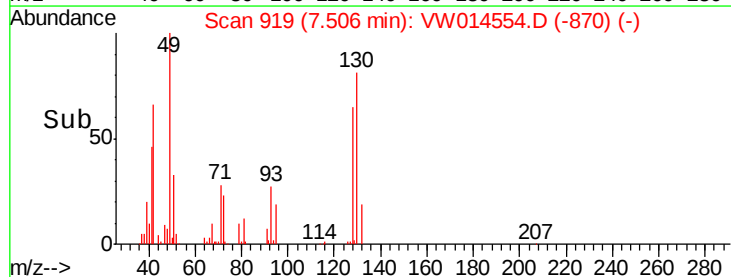
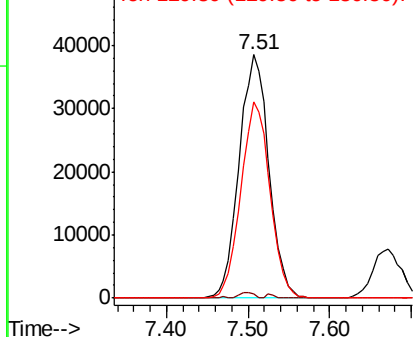
#28

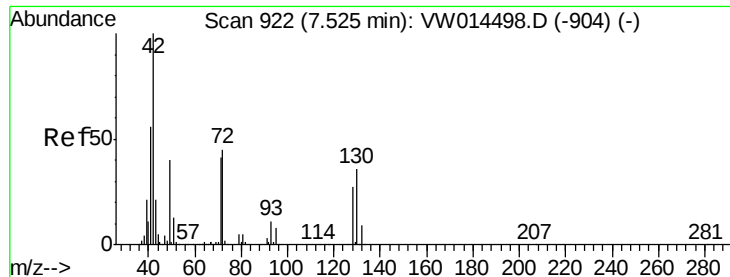
Bromochloromethane
Concen: 18.692 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 49 Resp: 97472
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.0
130 79.0 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

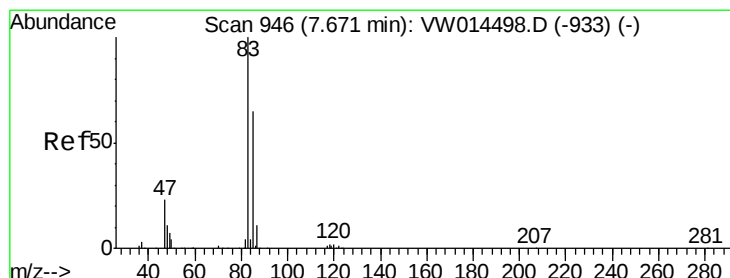
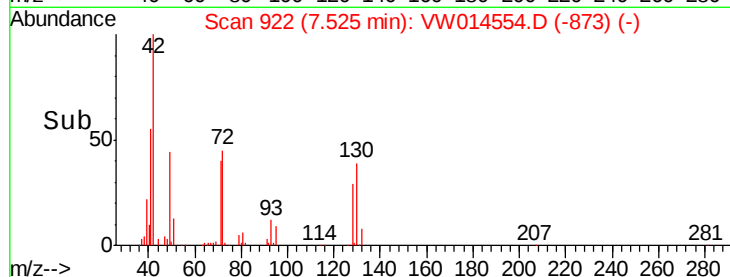
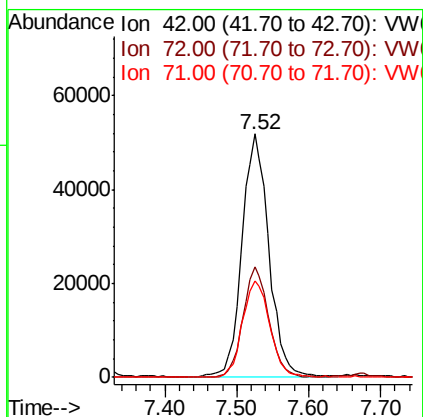
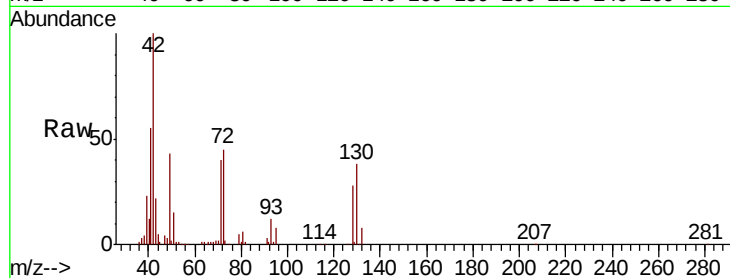




#29
Tetrahydrofuran
Concen: 92.087 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

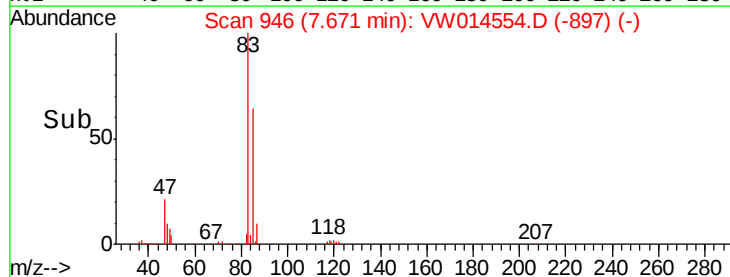
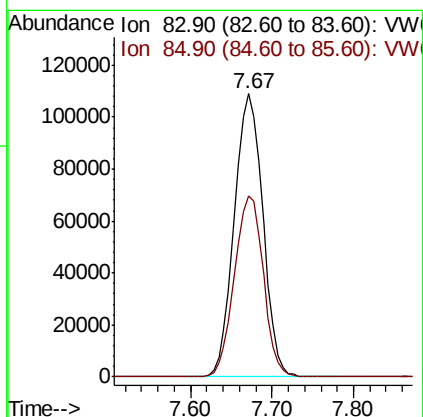
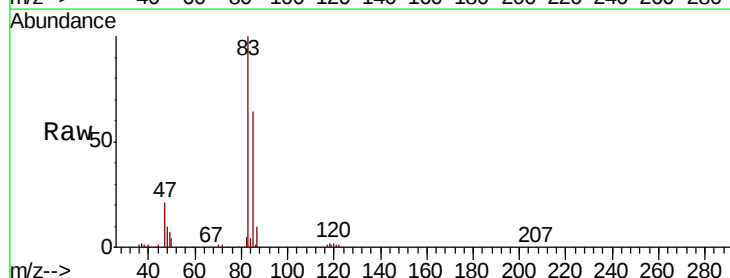
Instrument :
MSVOA_W
ClientSampleId :

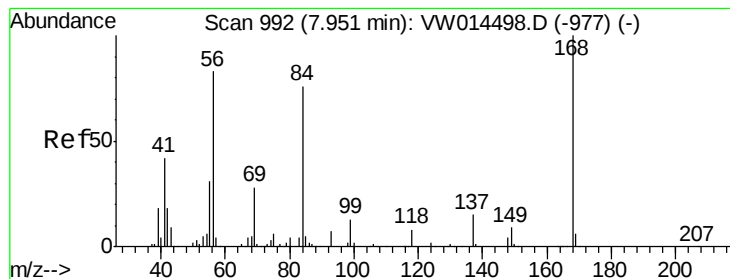
Tot Ion: 42 Resp: 133894
Ion Ratio Lower Upper
42 100
72 43.4 34.5 51.7
71 40.4 32.0 48.0



#30
Chloroform
Concen: 21.277 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 83 Resp: 264652
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2





#31

Cyclohexane

Concen: 19.079 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

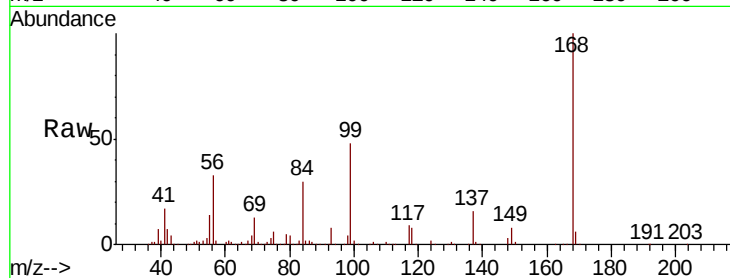
Tot Ion: 56 Resp: 263730

Ion Ratio Lower Upper

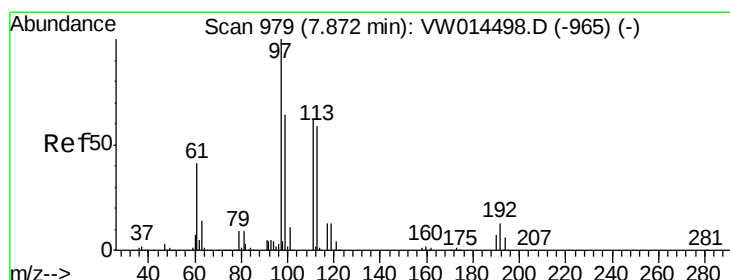
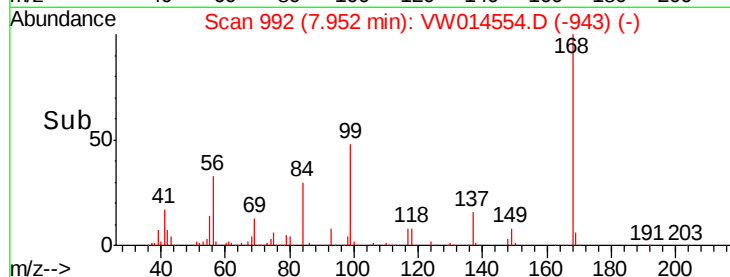
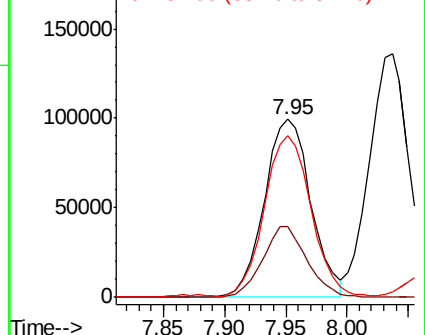
56 100

69 39.6 26.8 40.2

84 90.0 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 20.415 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

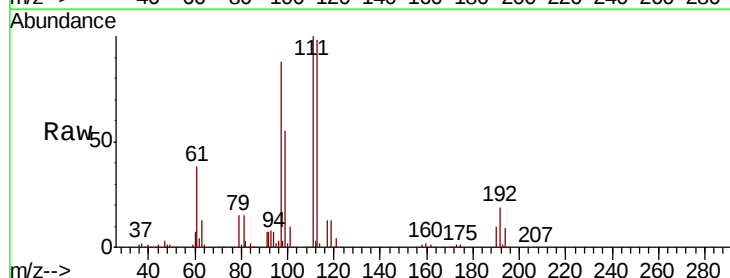
Tgt Ion: 97 Resp: 204218

Ion Ratio Lower Upper

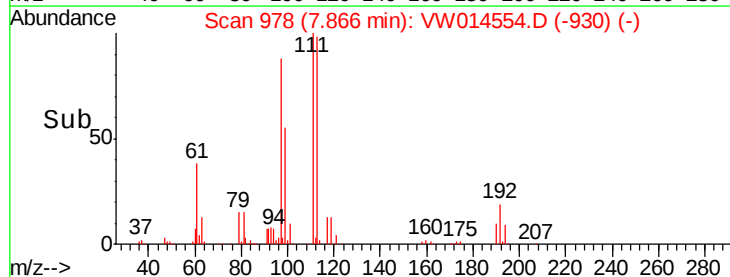
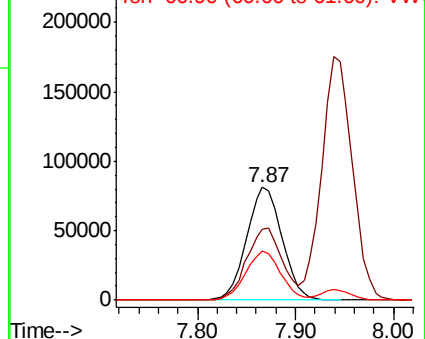
97 100

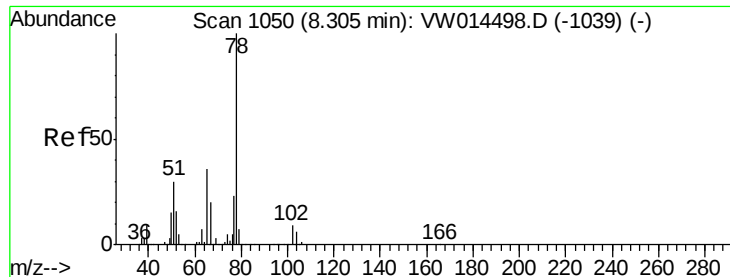
99 64.3 51.8 77.6

61 42.9 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: 48.872 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

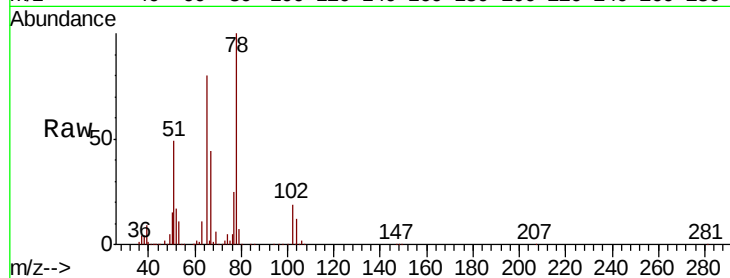
ClientSampleId :

Tot Ion: 65 Resp: 316538

Ion Ratio Lower Upper

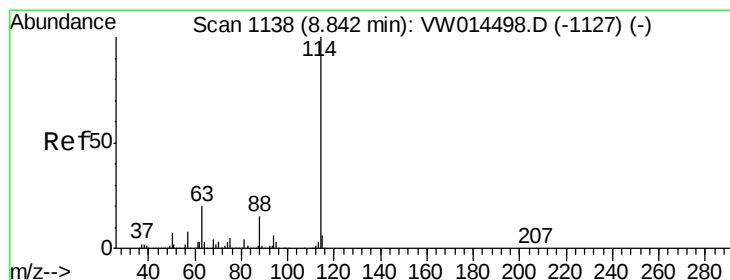
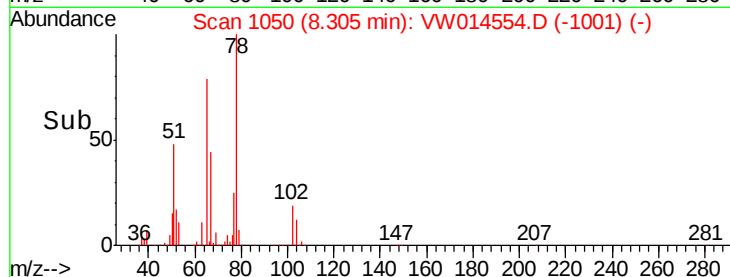
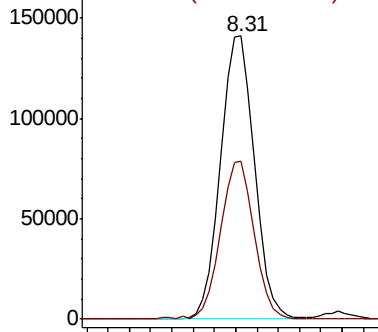
65 100

67 55.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

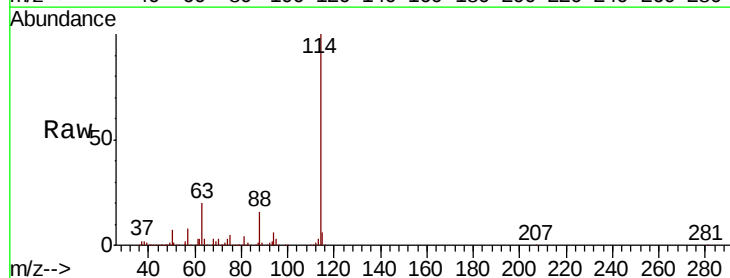
Tgt Ion: 114 Resp: 1134323

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

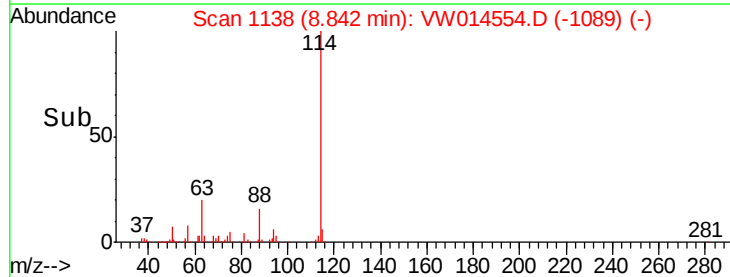
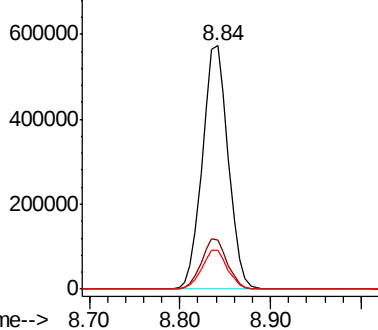
88 15.7 0.0 30.6

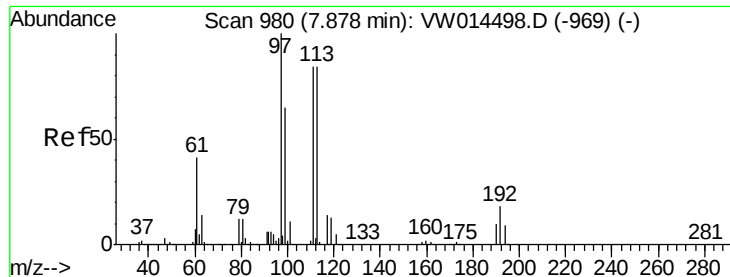


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

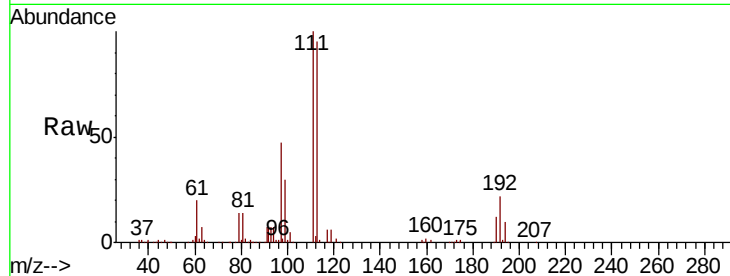




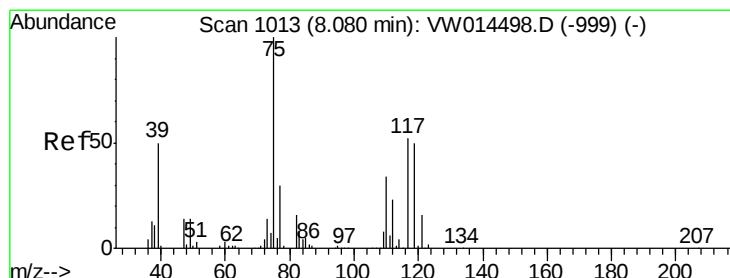
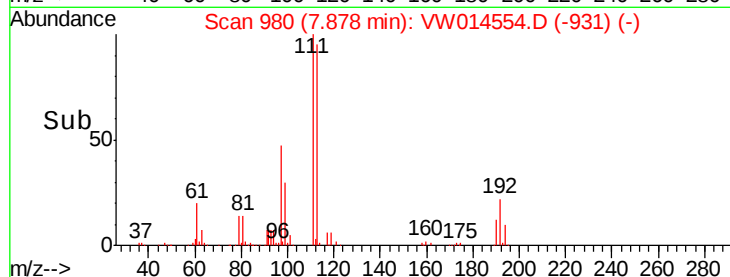
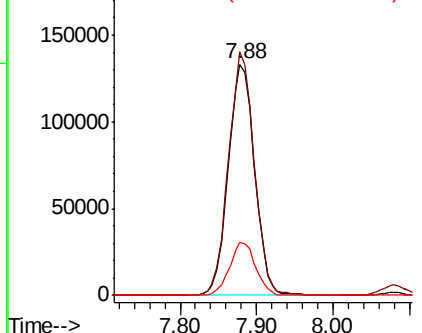
#35
 Dibromofluoromethane
 Concen: 48.741 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	22.8	17.8	26.8

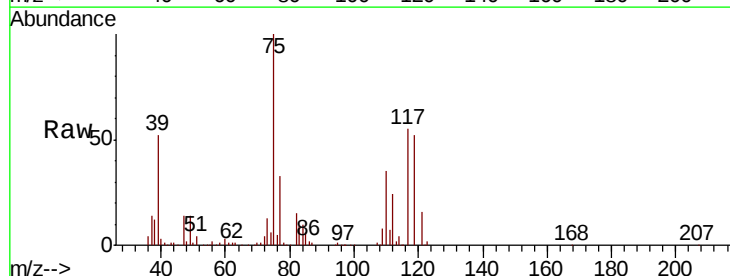


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

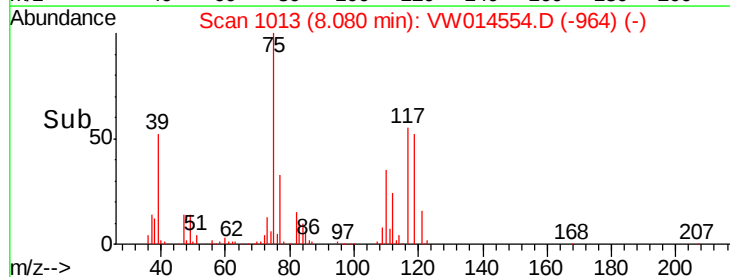
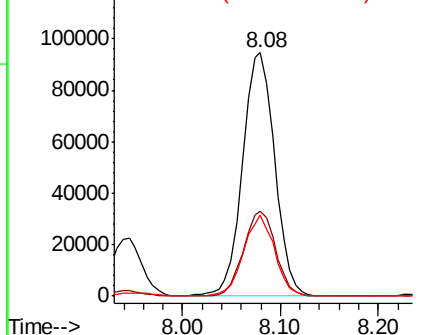


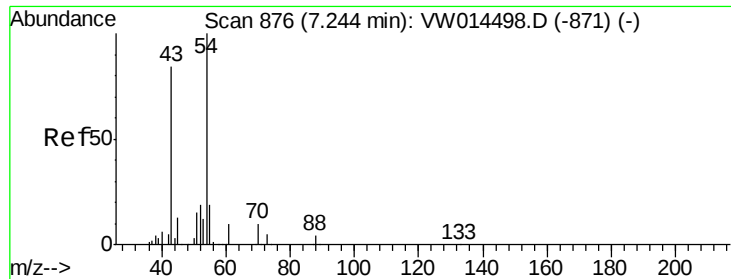
#36
 1,1-Dichloropropene
 Concen: 19.730 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.8	53.5
77	32.1	24.7	37.1



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

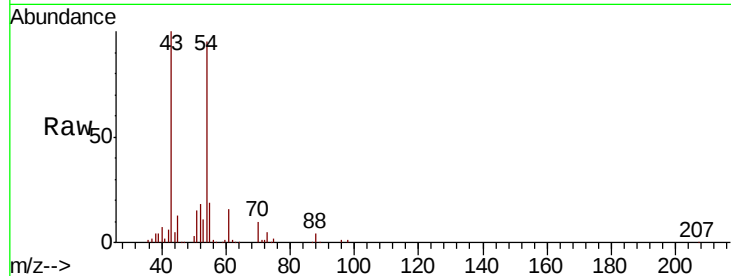




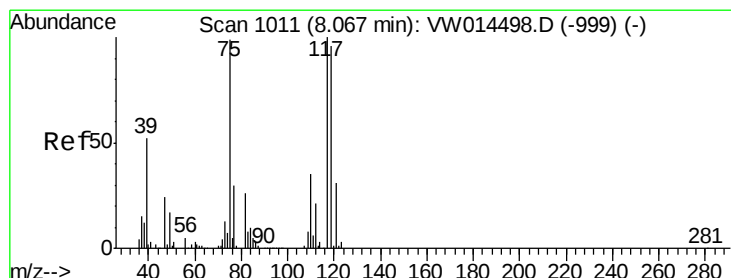
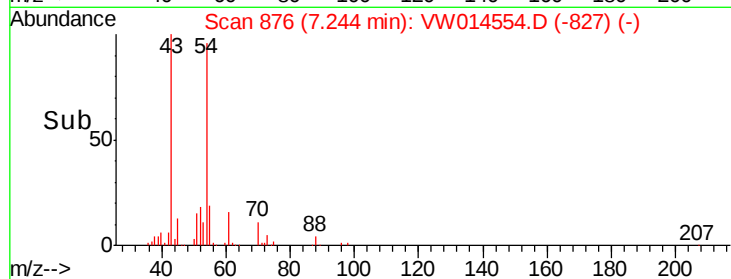
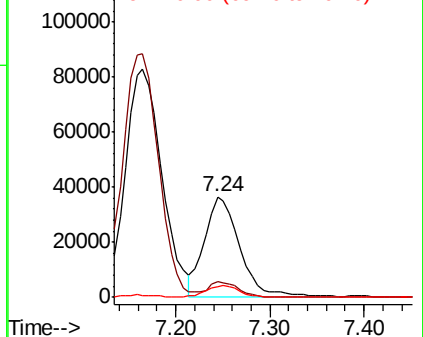
#37
Ethyl Acetate
Concen: 18.872 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 93598
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 11.2 9.0 13.6

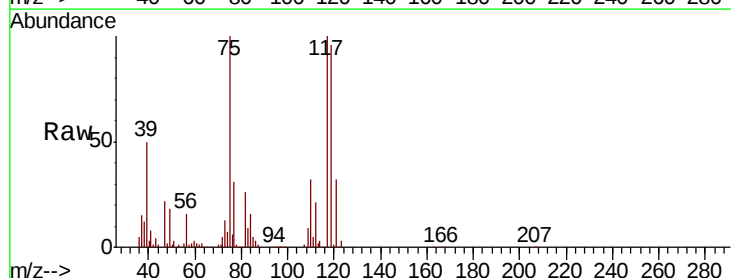


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

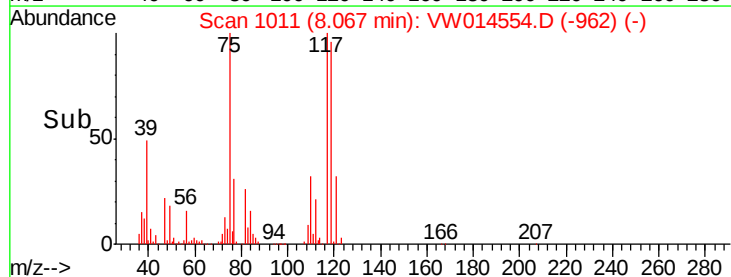
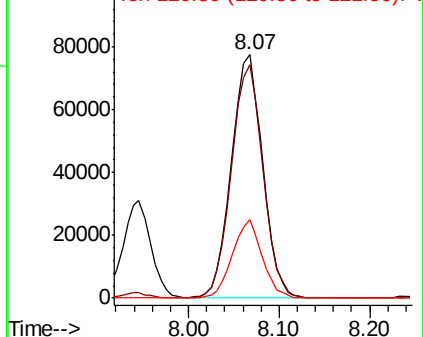


#38
Carbon Tetrachloride
Concen: 19.624 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 117 Resp: 186171
Ion Ratio Lower Upper
117 100
119 96.1 77.0 115.6
121 32.1 24.6 36.8



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

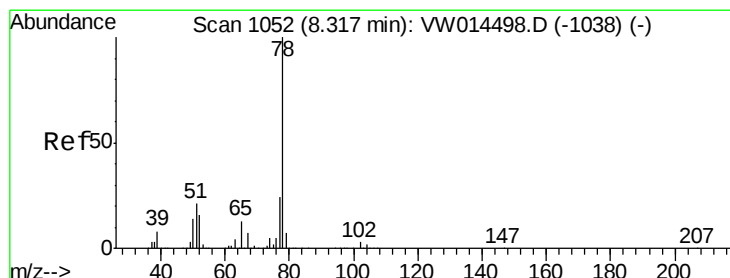
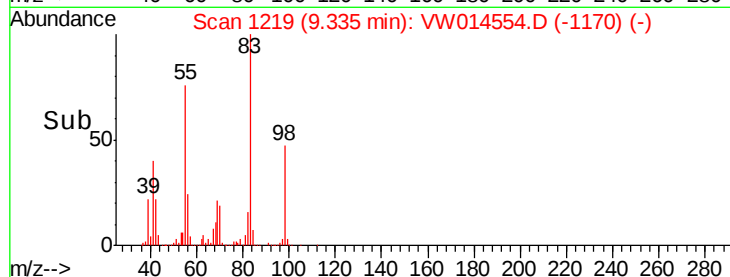
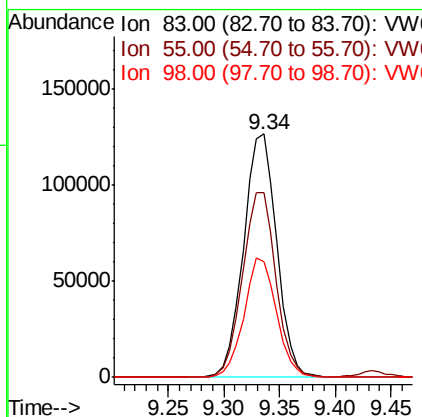
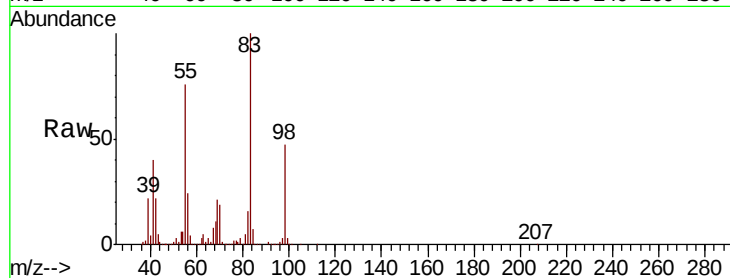




#39
Methvlcvclohexane
Concen: 18.725 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

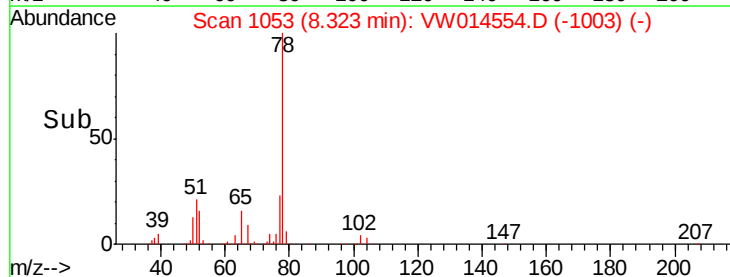
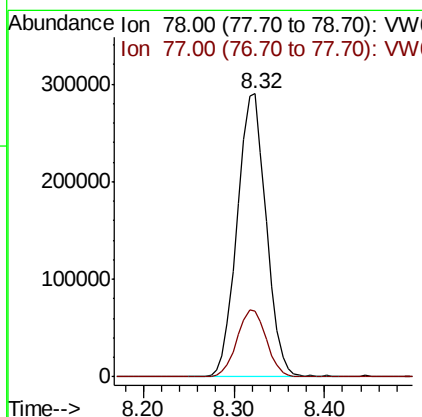
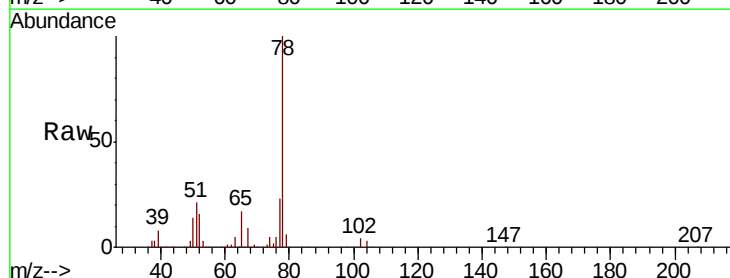
Instrument :
MSVOA_W
ClientSampleId :

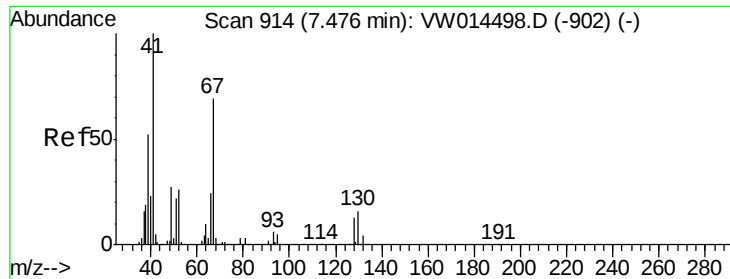
Tot Ion: 83 Resp: 262779
Ion Ratio Lower Upper
83 100
55 75.9 60.1 90.1
98 47.4 38.8 58.2



#40
Benzene
Concen: 20.833 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 78 Resp: 644572
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

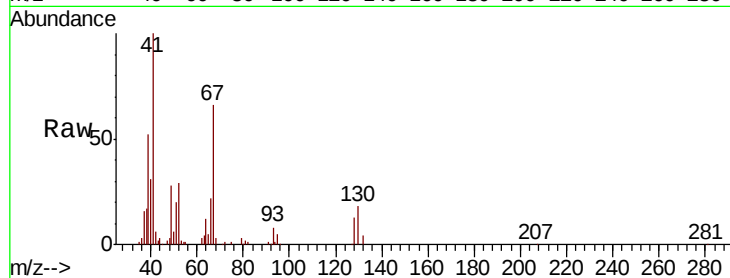




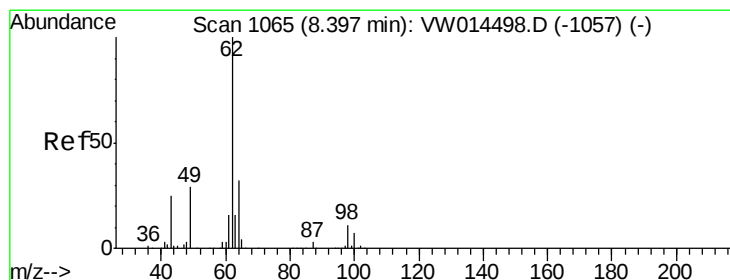
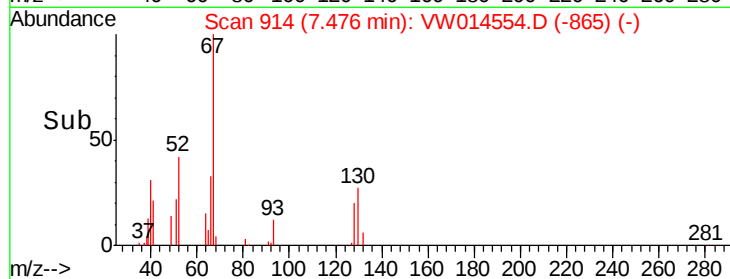
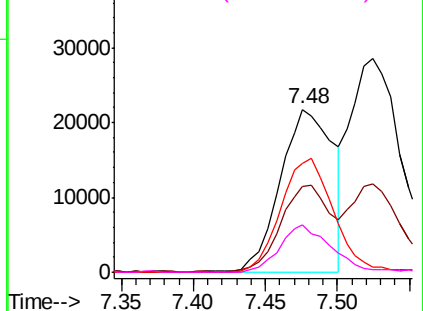
#41
Methacrylonitrile
Concen: 20.130 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	55651
Ion	Ratio	Lower	Upper
41	100		
39	50.7	46.0	69.0
67	70.5	60.8	91.2
52	28.8	23.7	35.5

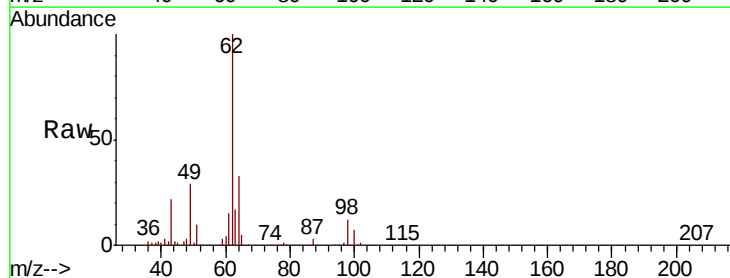


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

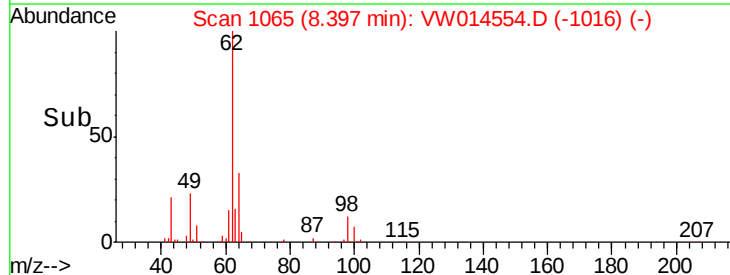
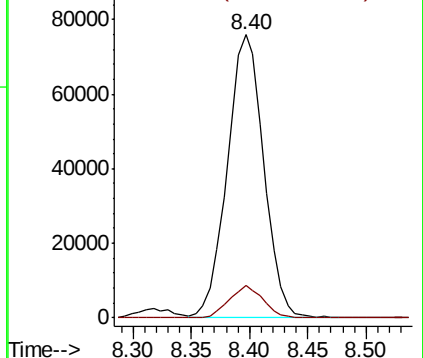


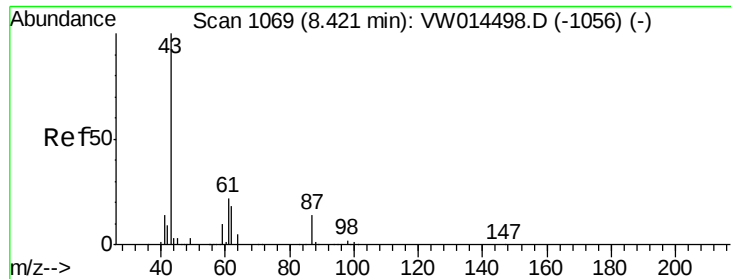
#42
1,2-Dichloroethane
Concen: 20.509 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion:	62	Resp:	164675
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 18.689 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

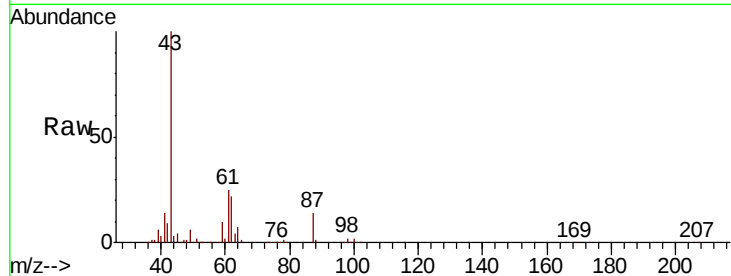
Tot Ion: 43 Resp: 168309

Ion Ratio Lower Upper

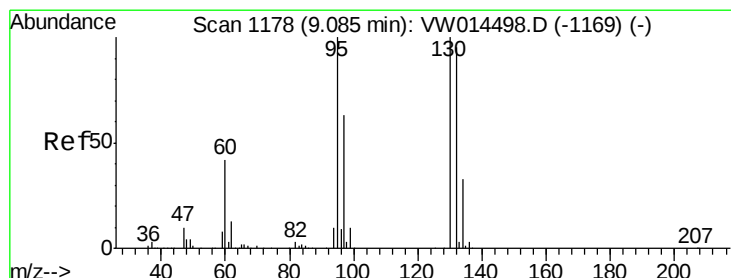
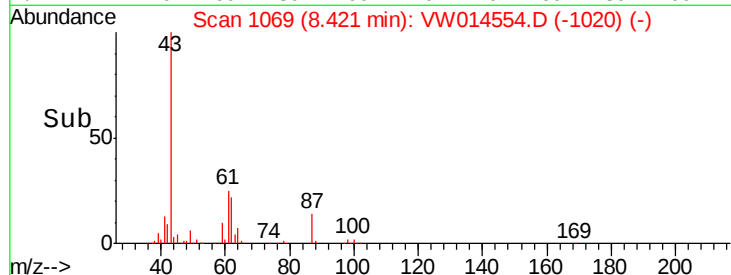
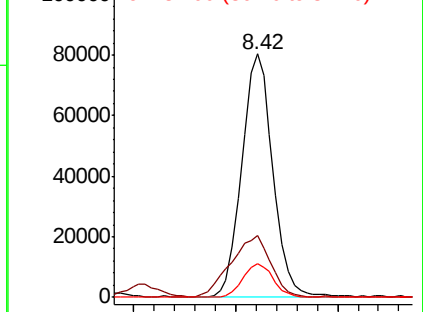
43 100

61 32.3 24.7 37.1

87 14.0 11.1 16.7



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



#44

Trichloroethene

Concen: 20.384 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014554.D

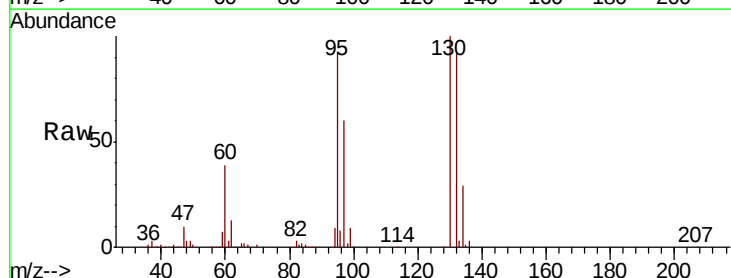
Acq: 08 Jan 2020 12:02

Tgt Ion: 130 Resp: 170656

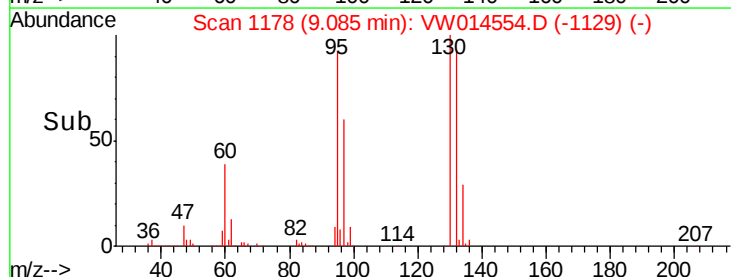
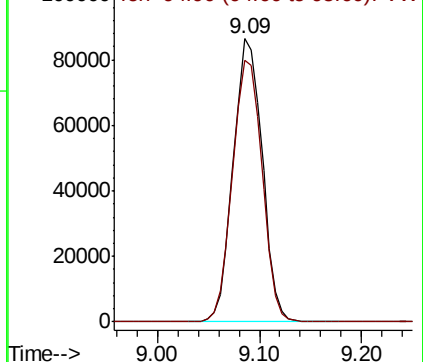
Ion Ratio Lower Upper

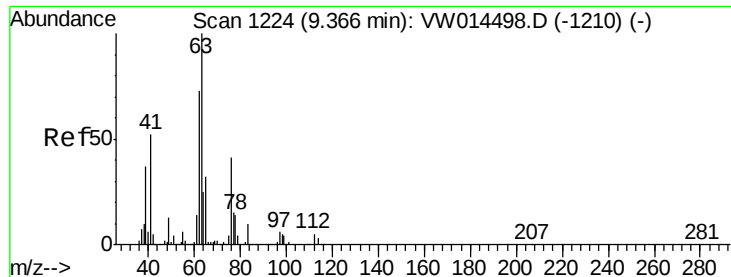
130 100

95 92.4 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 21.255 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

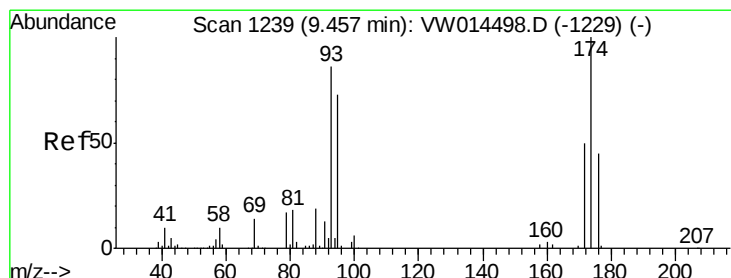
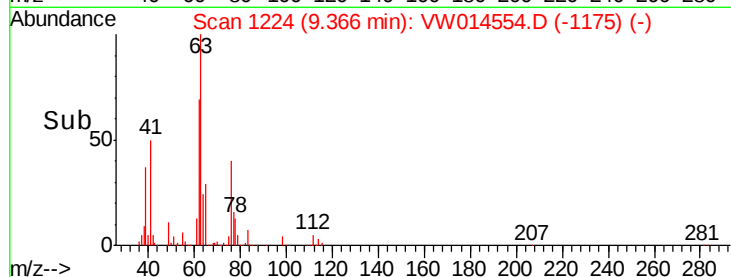
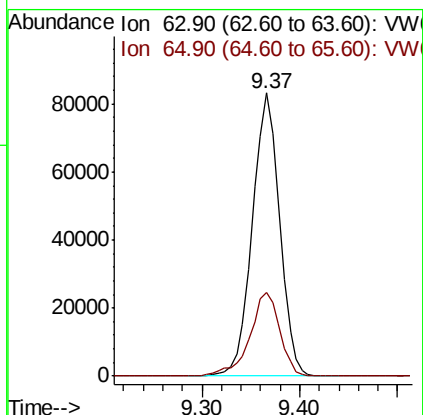
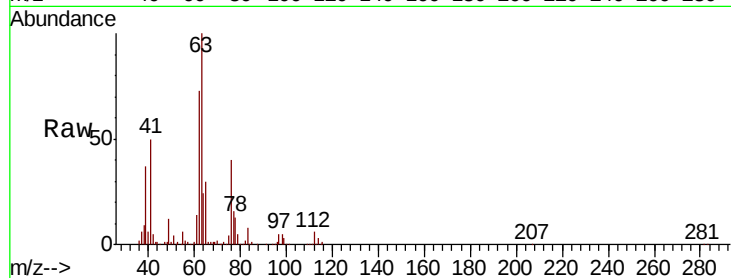
ClientSampleId :

Tot Ion: 63 Resp: 161377

Ion Ratio Lower Upper

63 100

65 29.7 25.6 38.4



#46

Dibromomethane

Concen: 20.117 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

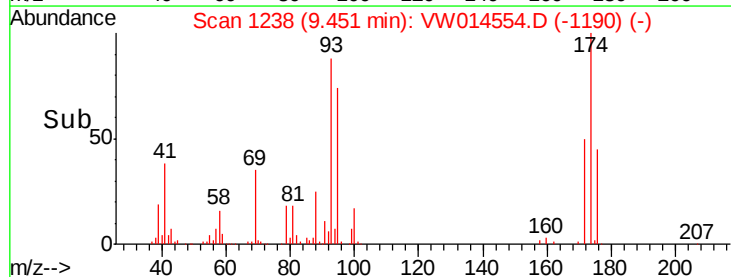
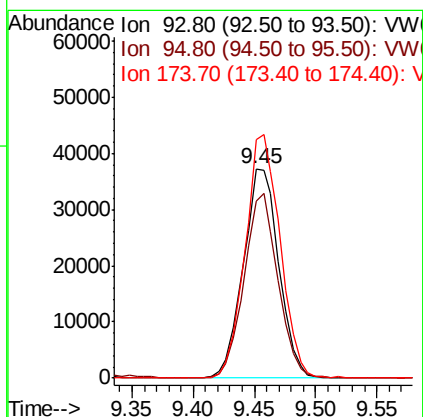
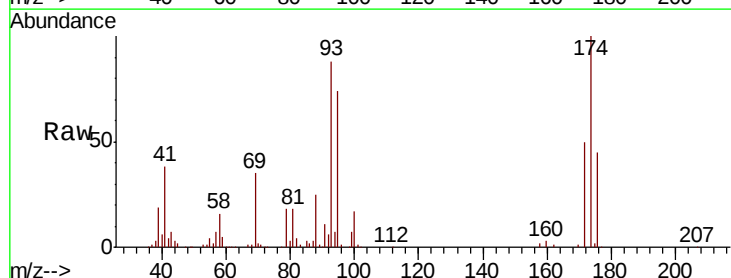
Tgt Ion: 93 Resp: 75402

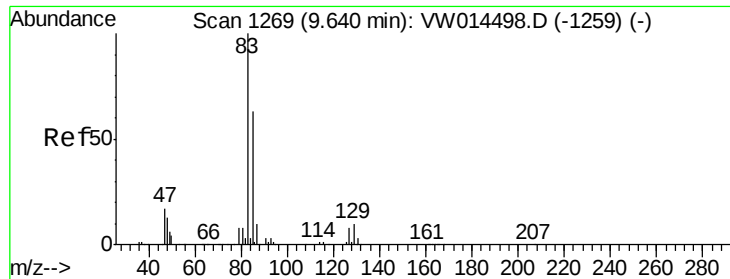
Ion Ratio Lower Upper

93 100

95 84.0 66.4 99.6

174 114.1 89.1 133.7





#47

Bromodichloromethane

Concen: 20.580 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

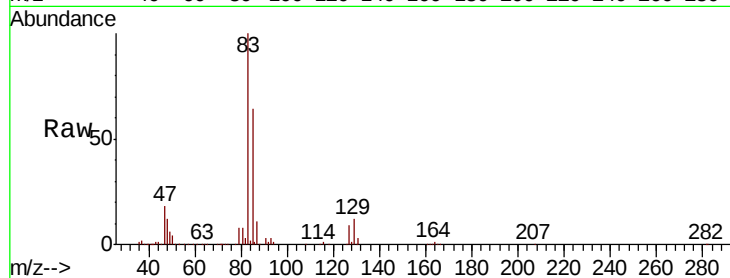
Tot Ion: 83 Resp: 190444

Ion Ratio Lower Upper

83 100

85 63.8 50.6 76.0

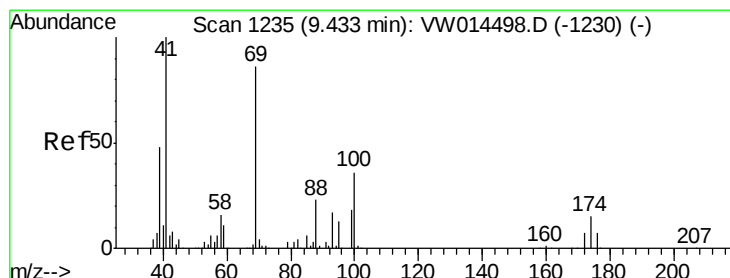
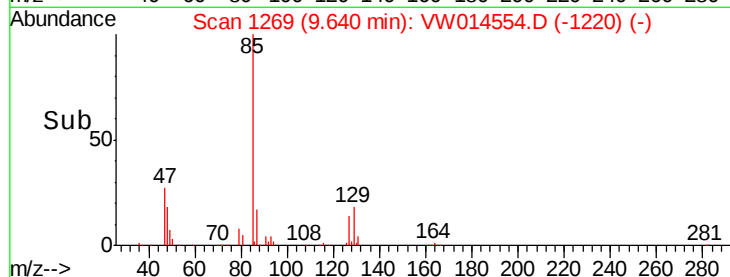
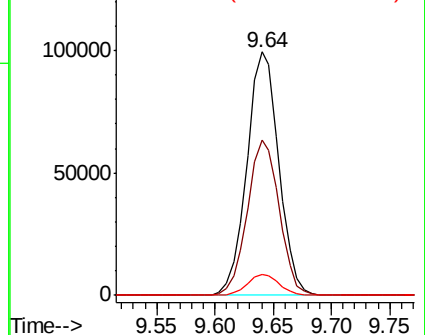
127 8.6 6.6 9.8



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: 17.098 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

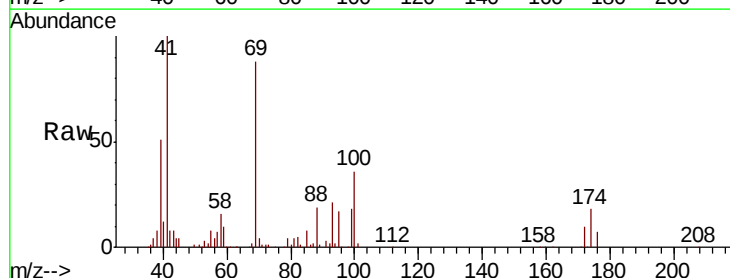
Tgt Ion: 41 Resp: 75180

Ion Ratio Lower Upper

41 100

69 95.4 68.3 102.5

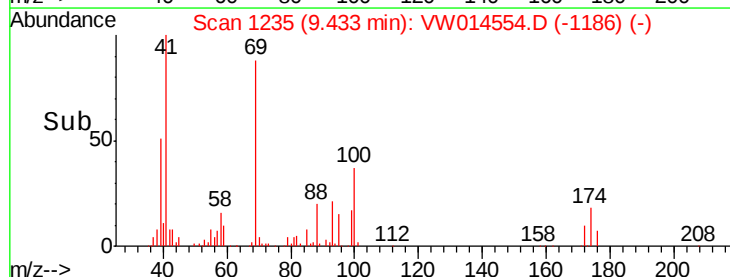
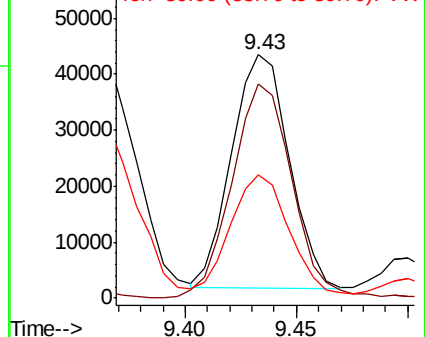
39 51.2 36.8 55.2

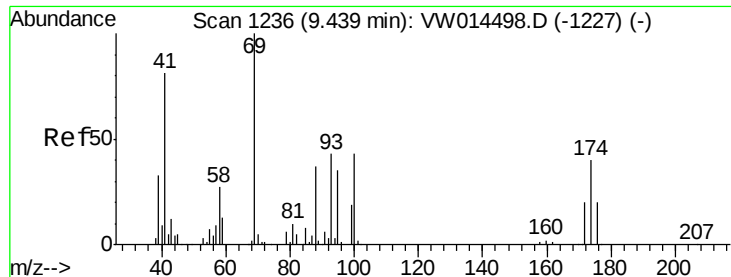


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 364.763 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampleId :

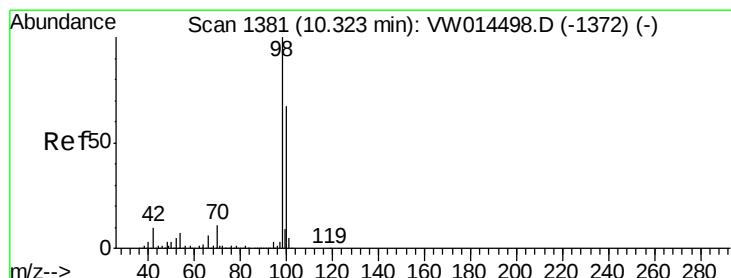
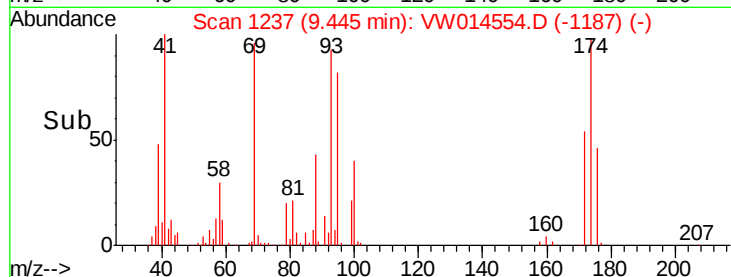
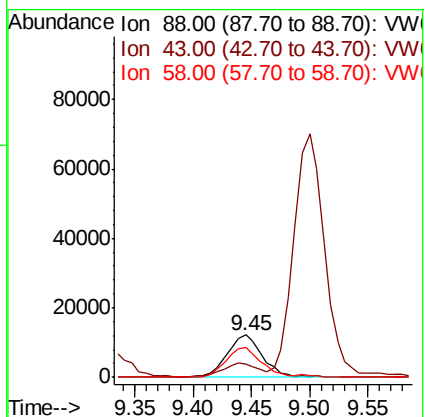
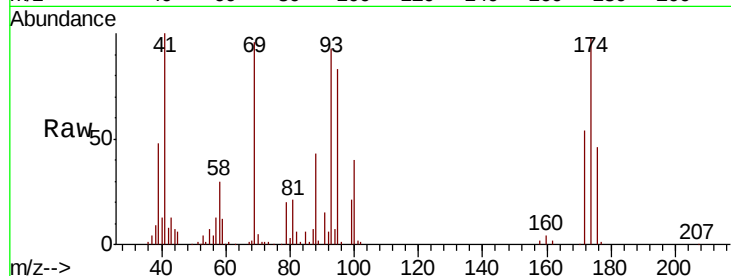
Tot Ion: 88 Resp: 25571

Ion Ratio Lower Upper

88 100

43 31.0 24.9 37.3

58 75.7 56.9 85.3



#50

Toluene-d8

Concen: 48.677 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014554.D

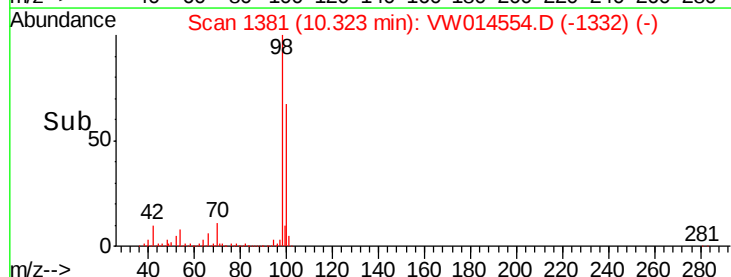
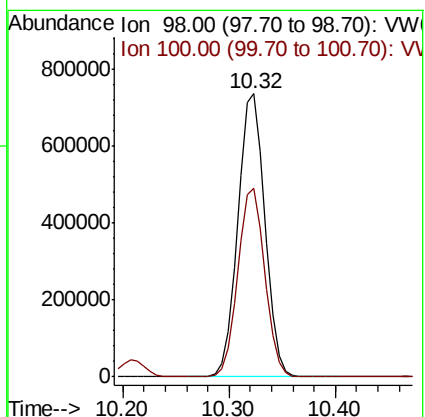
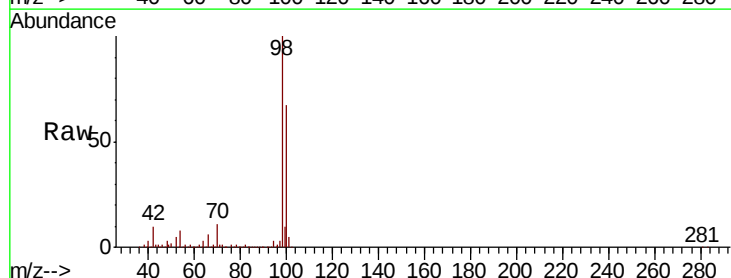
Acq: 08 Jan 2020 12:02

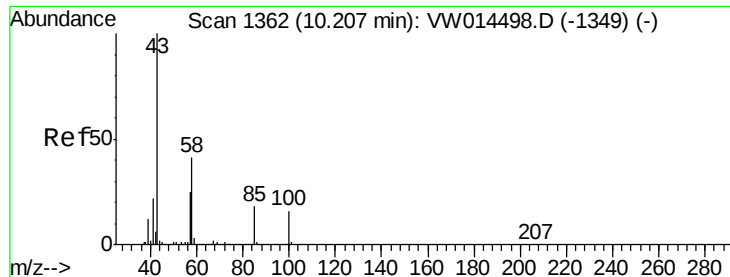
Tgt Ion: 98 Resp: 1316945

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 95.414 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

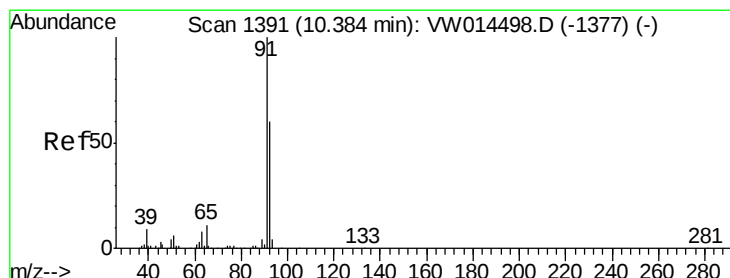
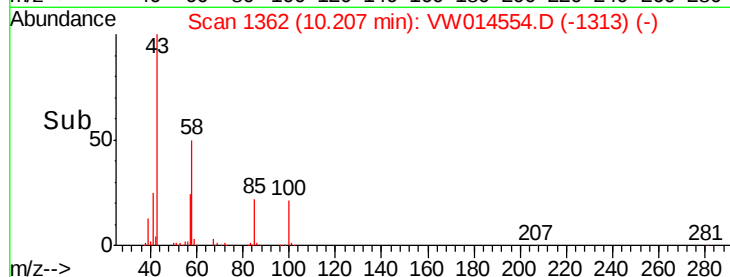
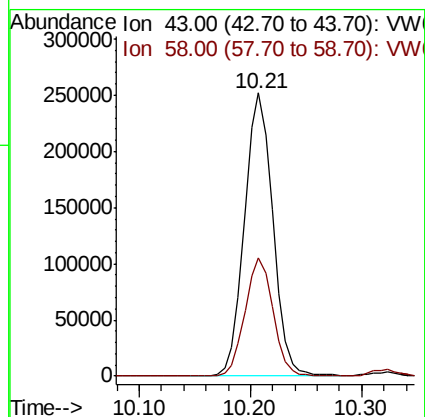
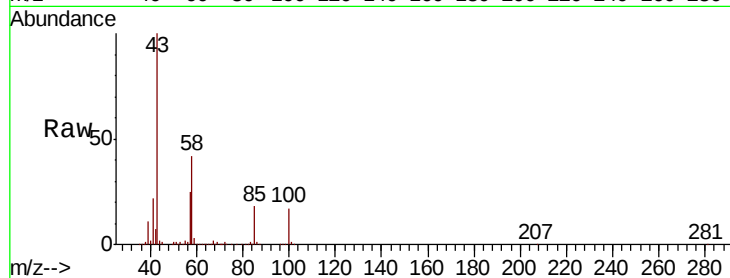
ClientSampled :

Tot Ion: 43 Resp: 446237

Ion Ratio Lower Upper

43 100

58 41.2 32.7 49.1



#52

Toluene

Concen: 20.968 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014554.D

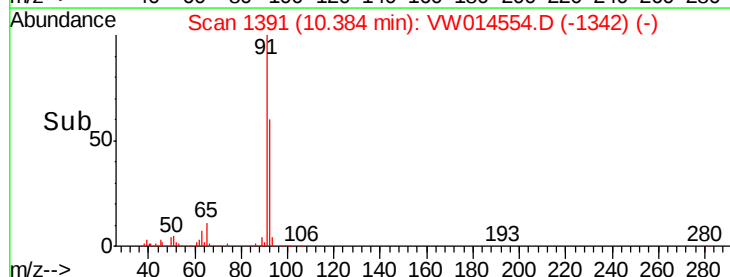
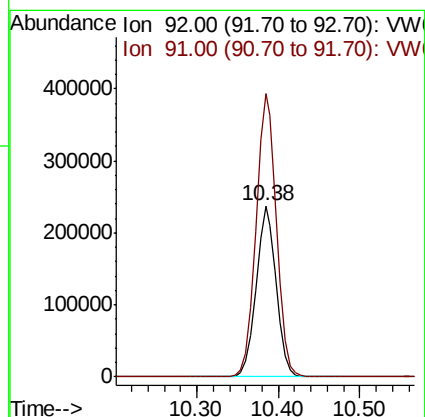
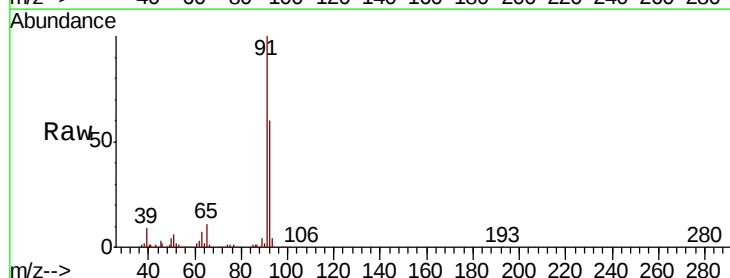
Acq: 08 Jan 2020 12:02

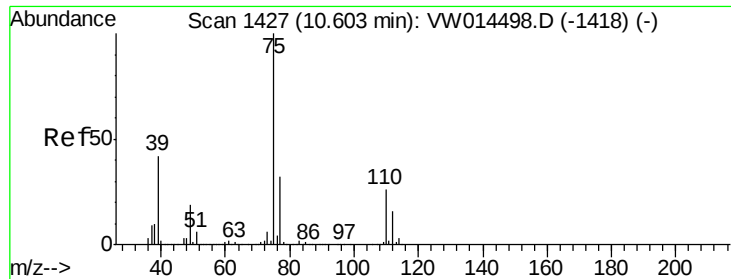
Tgt Ion: 92 Resp: 408144

Ion Ratio Lower Upper

92 100

91 169.0 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 20.147 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

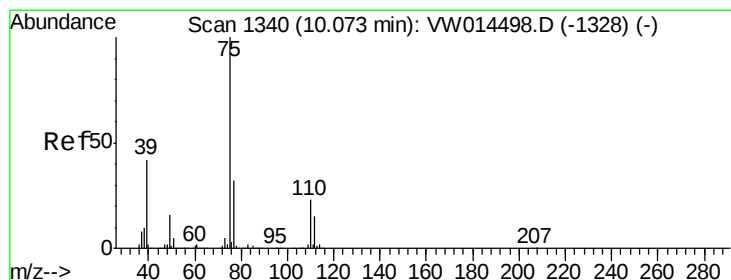
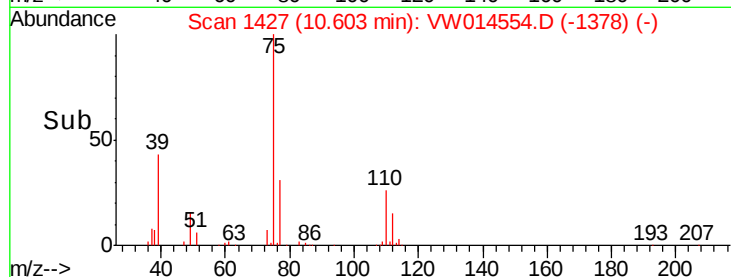
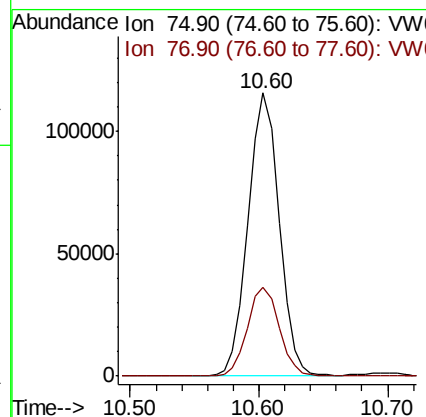
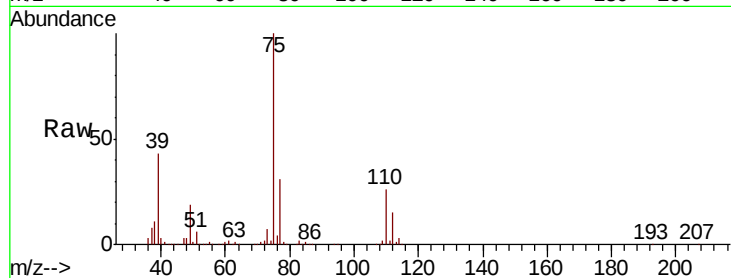
ClientSampled :

Tot Ion: 75 Resp: 193033

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.623 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

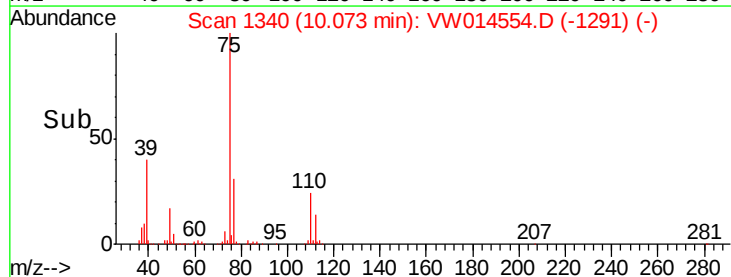
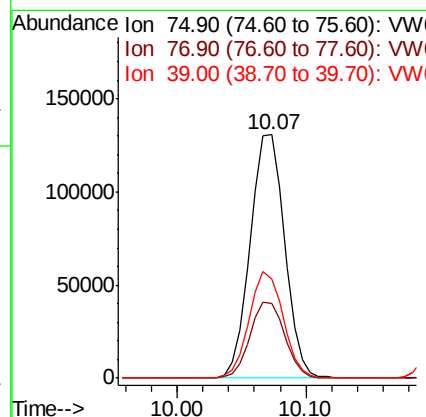
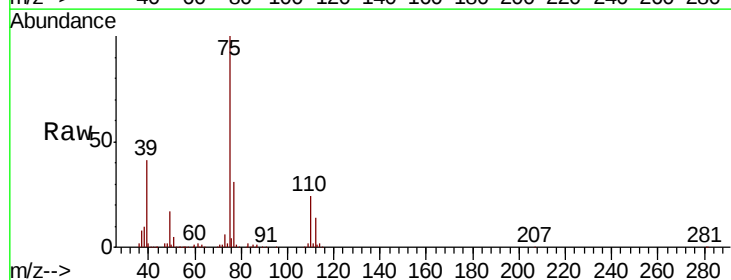
Tgt Ion: 75 Resp: 241493

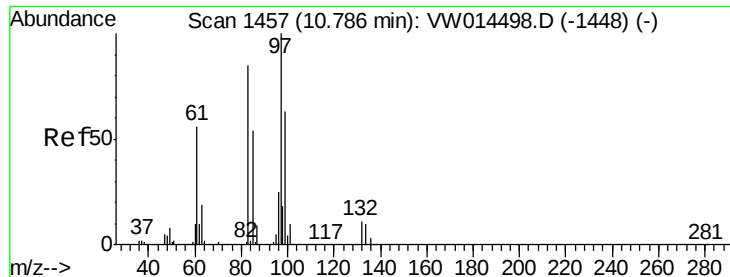
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 40.5 33.4 50.2

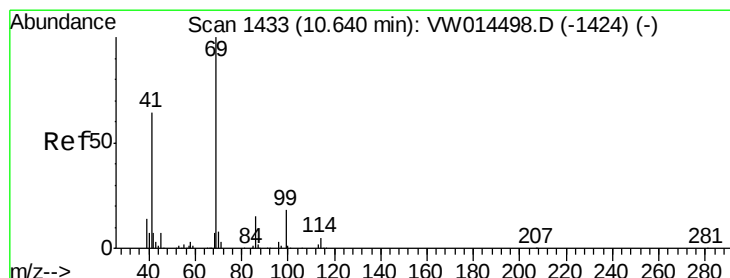
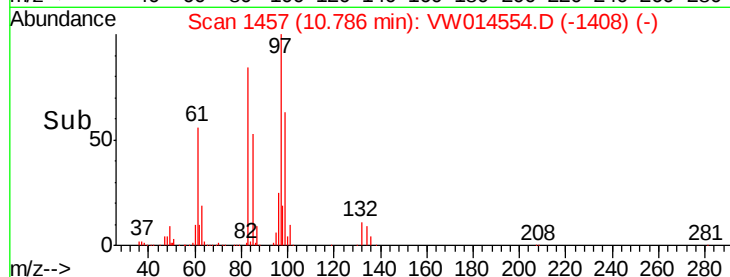
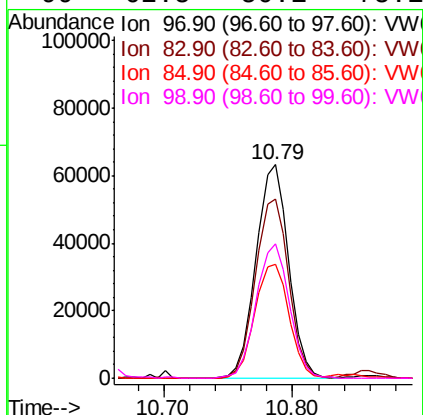
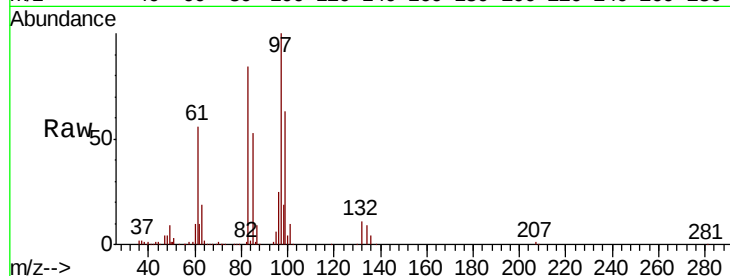




#55
 1,1,2-Trichloroethane
 Concen: 20.272 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

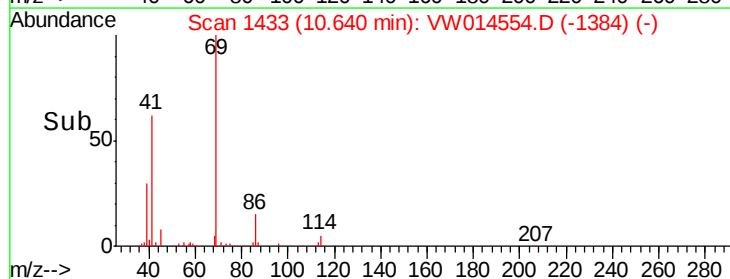
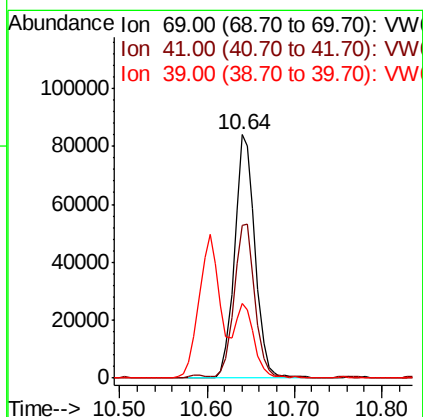
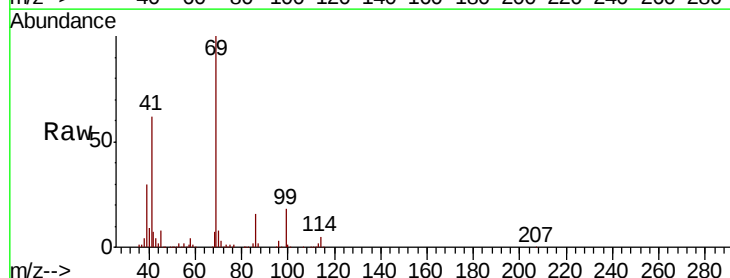
Instrument :
 MSVOA_W
 ClientSampleId :

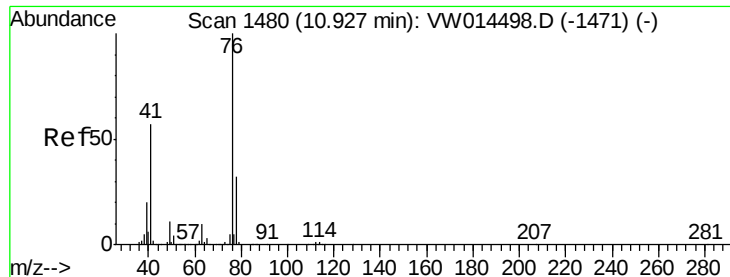
Tot Ion:	97	Resp:	110971
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.2	102.4
85	53.1	43.0	64.4
99	62.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 19.415 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion:	69	Resp:	138121
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.3	76.9
39	26.4	21.0	31.6

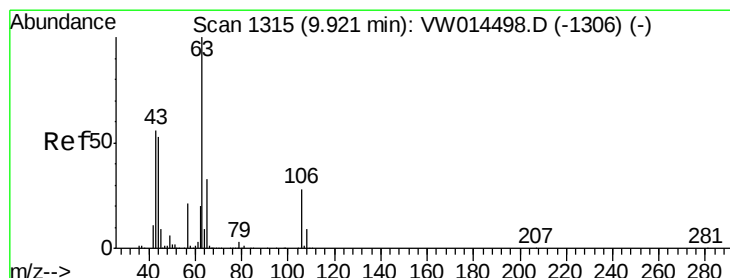
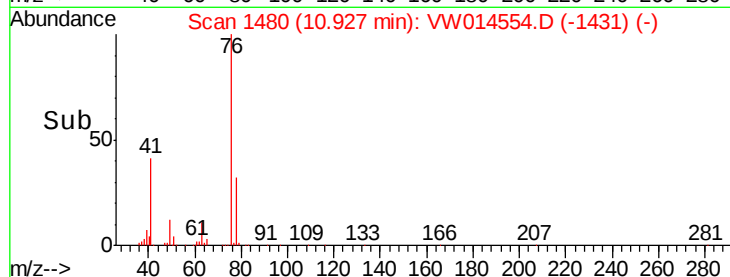
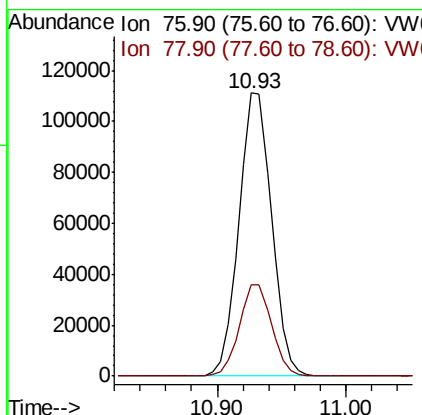
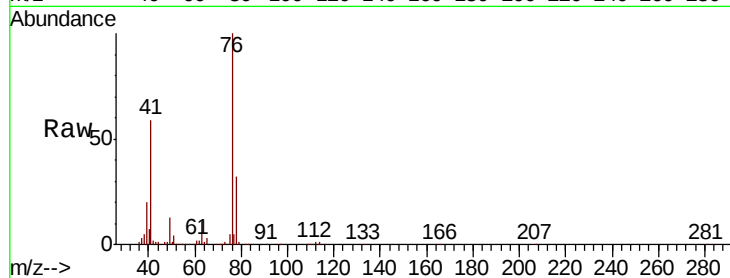




#57
 1,3-Dichloropropane
 Concen: 20.299 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

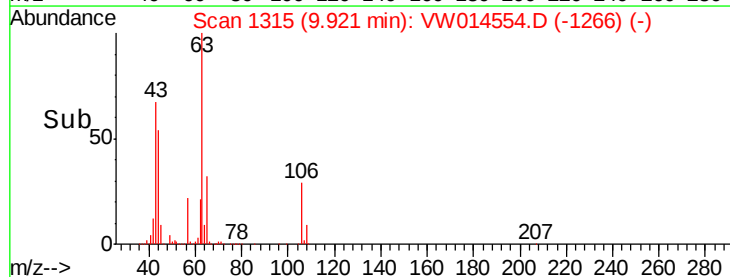
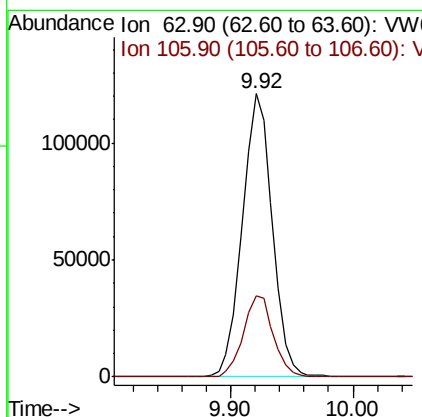
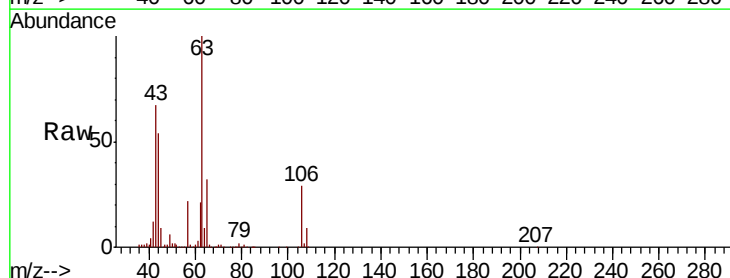
Instrument :
 MSVOA_W
 ClientSampled :

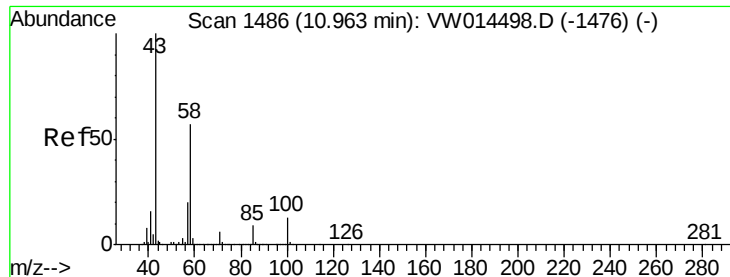
Tot Ion: 76 Resp: 195290
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.069 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion: 63 Resp: 205693
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.0 34.6

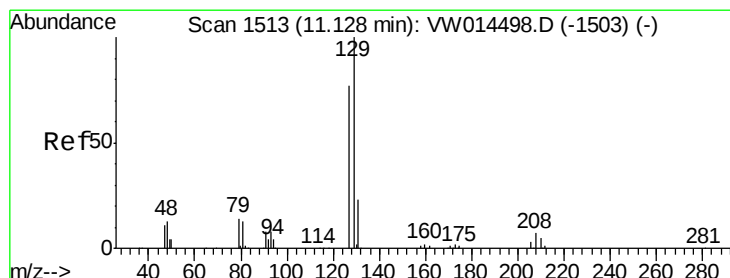
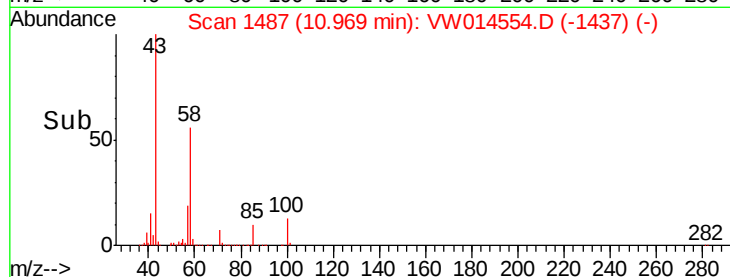
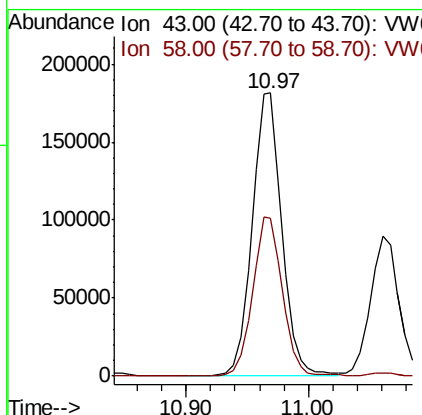
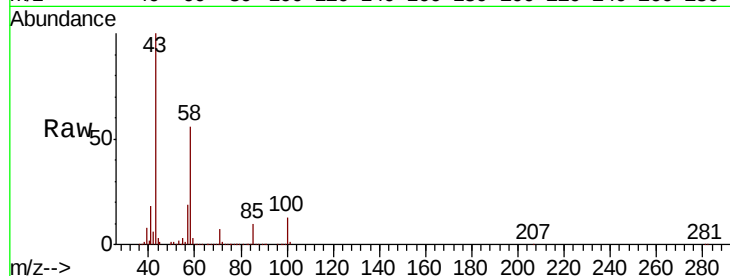




#59
2-Hexanone
Concen: 94.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

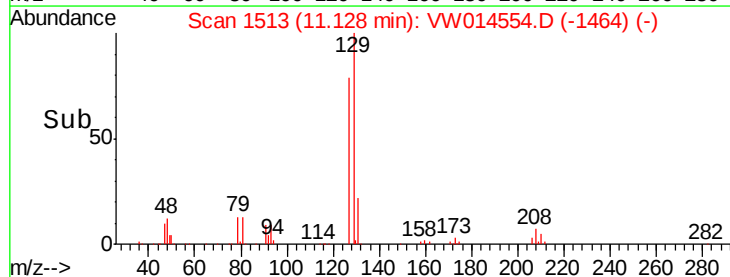
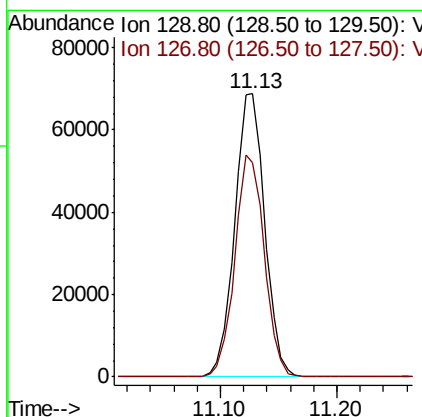
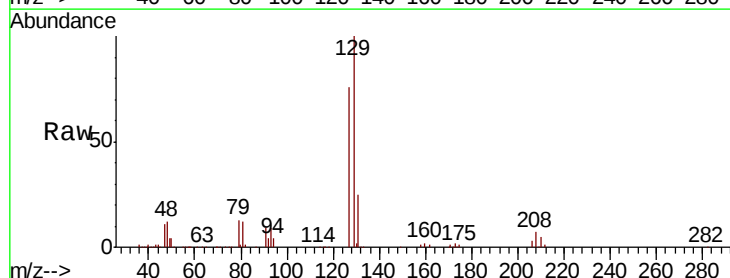
Instrument :
MSVOA_W
ClientSampled :

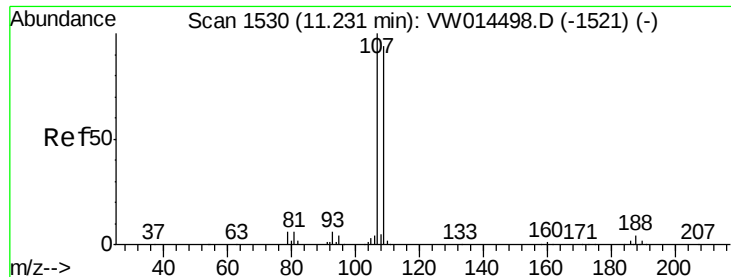
Tot Ion: 43 Resp: 306037
Ion Ratio Lower Upper
43 100
58 56.3 28.7 86.3



#60
Dibromochloromethane
Concen: 20.027 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 129 Resp: 123692
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.186 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

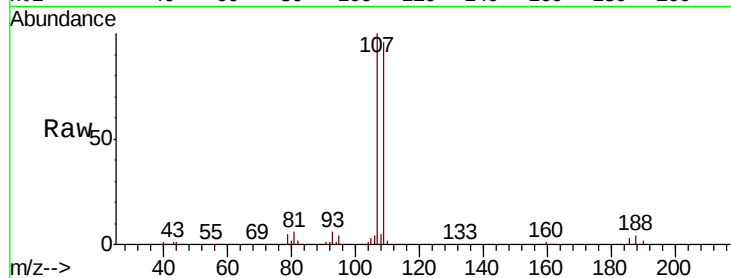
ClientSampleId :

Tot Ion: 107 Resp: 104888

Ion Ratio Lower Upper

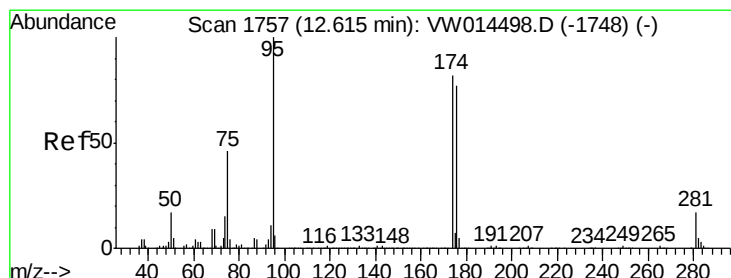
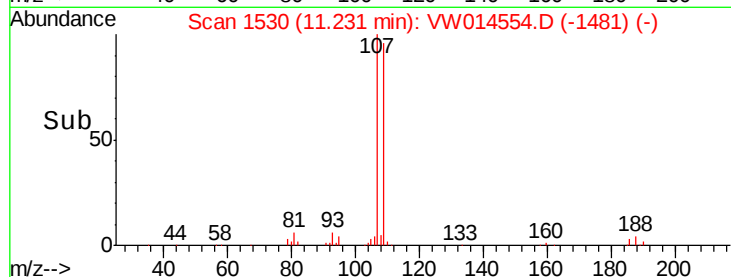
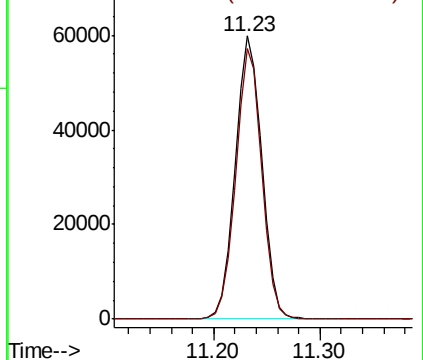
107 100

109 93.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.905 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

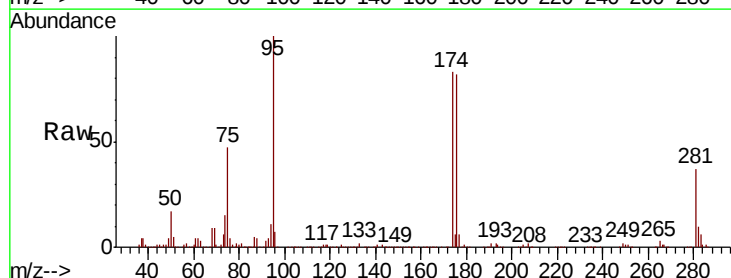
Tgt Ion: 95 Resp: 448777

Ion Ratio Lower Upper

95 100

174 84.5 0.0 168.6

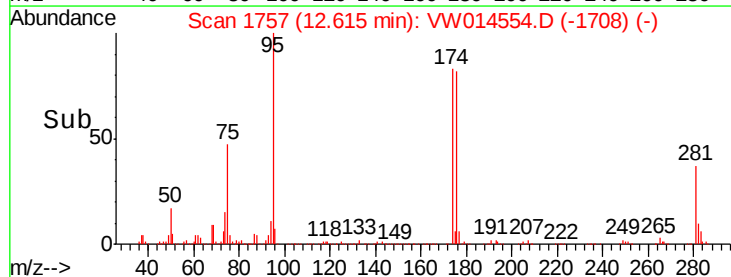
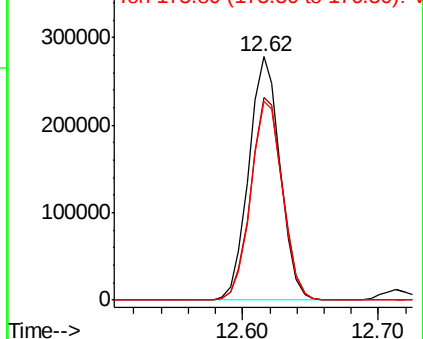
176 82.7 0.0 162.0

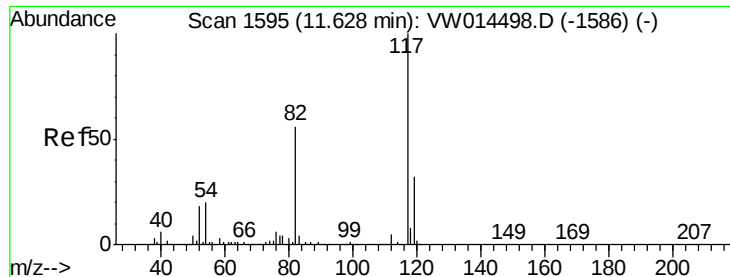


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

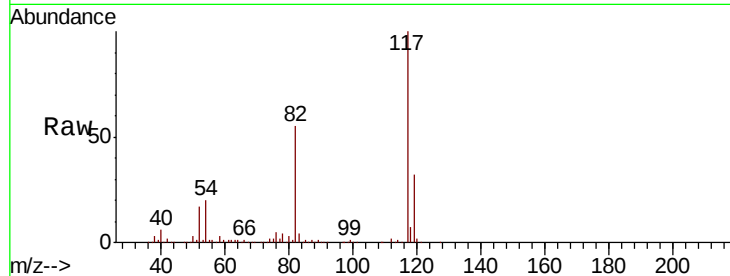




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	31.8	25.7	38.5

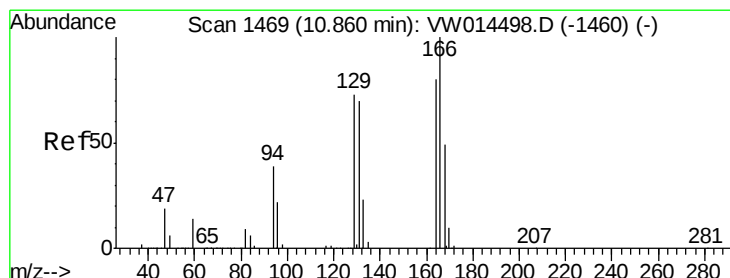
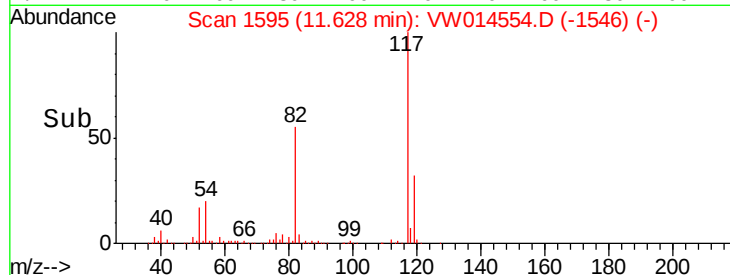
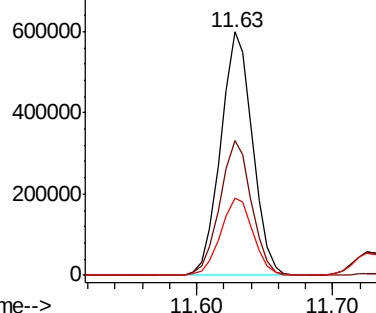


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.083 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	99.8	149.6
129	91.3	72.4	108.6
131	85.9	70.1	105.1

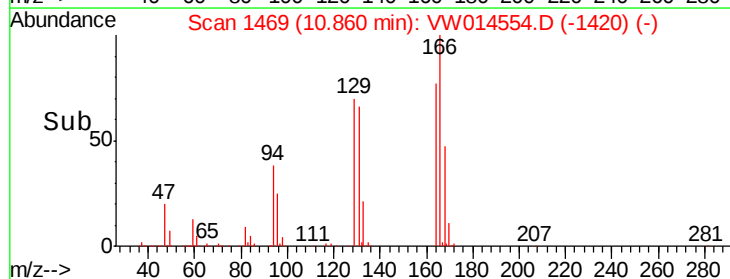
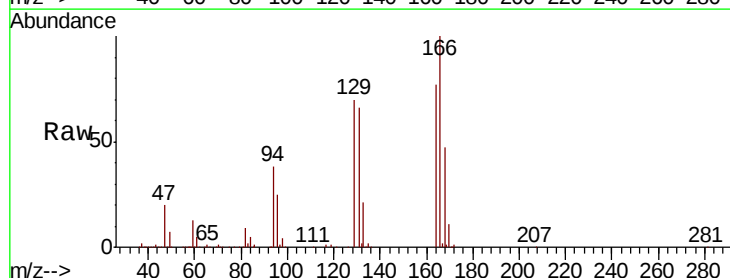
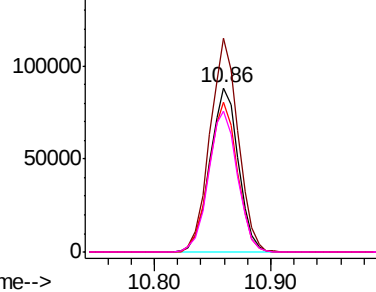
Abundance

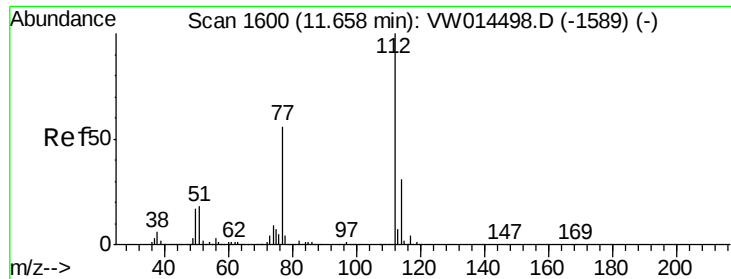
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

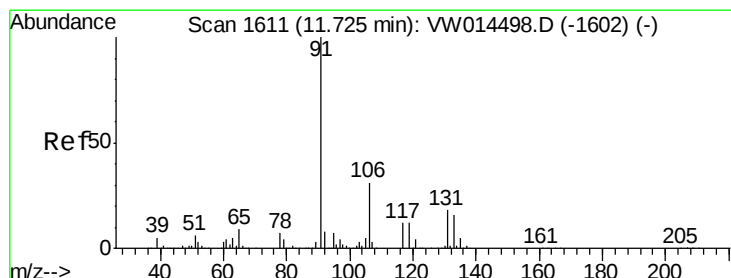
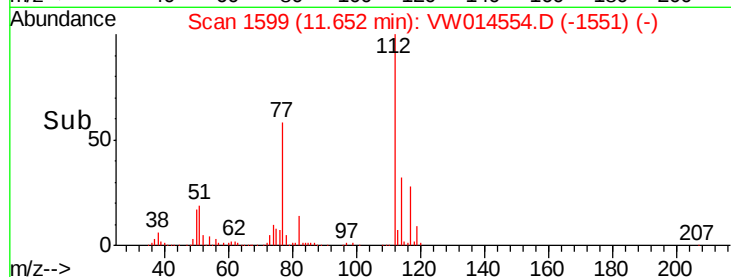
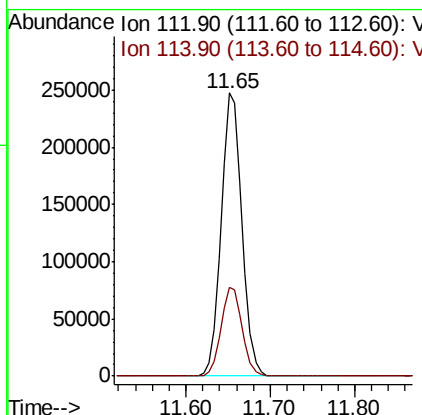
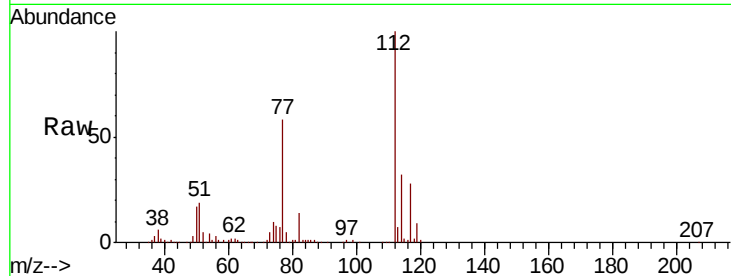




#65
Chlorobenzene
Concen: 20.792 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

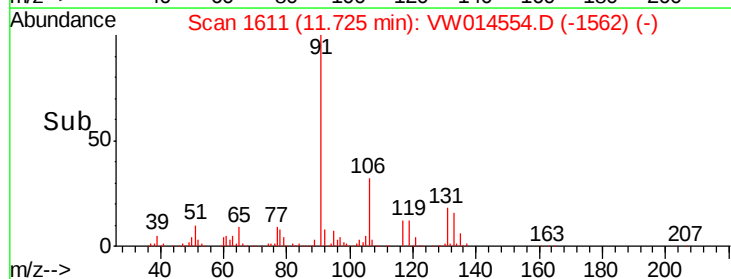
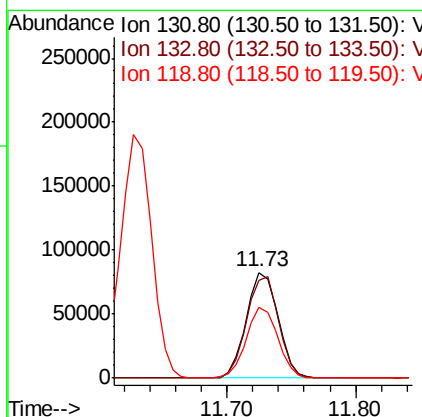
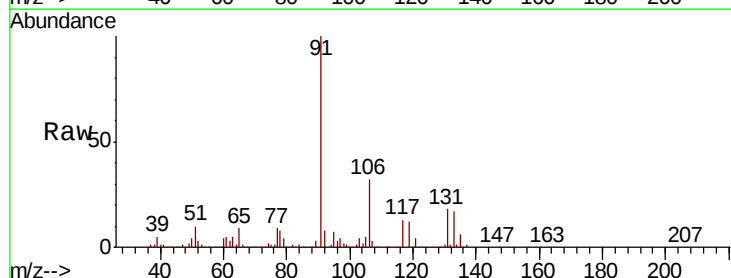
Instrument :
MSVOA_W
ClientSampleId :

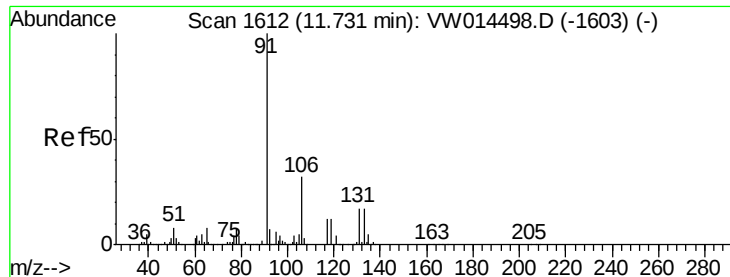
Tot Ion:112 Resp: 419269
Ion Ratio Lower Upper
112 100
114 31.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.793 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion:131 Resp: 141175
Ion Ratio Lower Upper
131 100
133 96.0 47.3 142.0
119 66.4 33.1 99.3

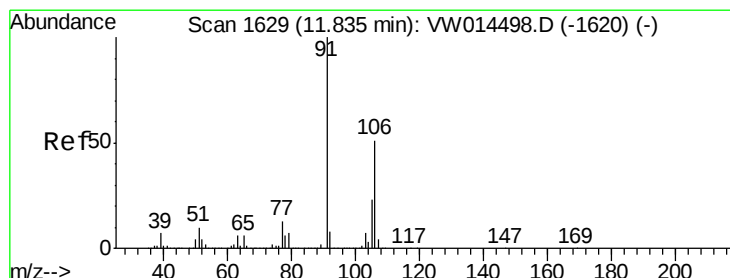
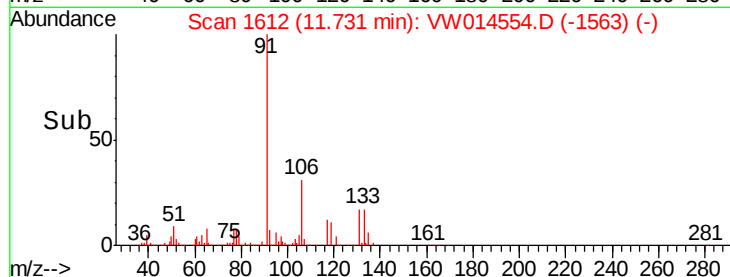
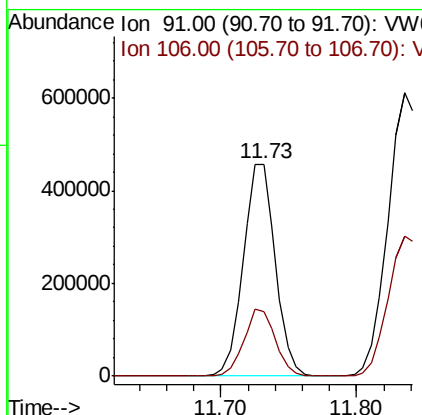
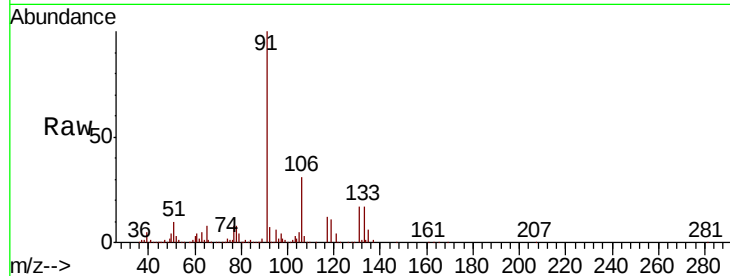




#67
Ethyl Benzene
Concen: 20.682 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

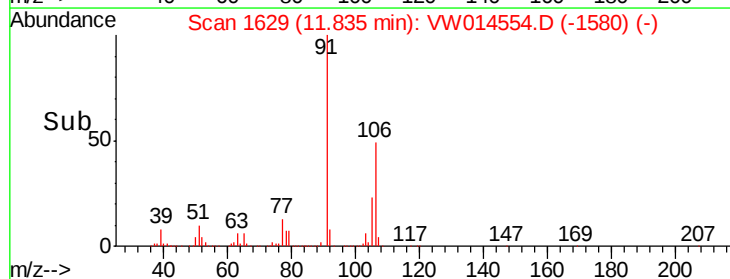
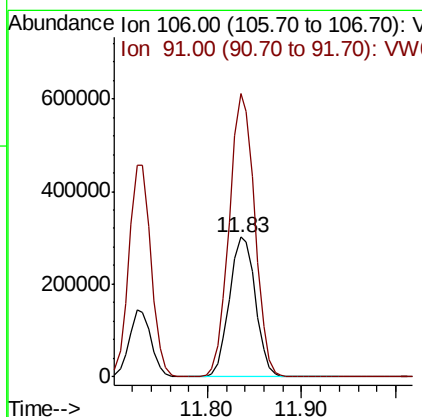
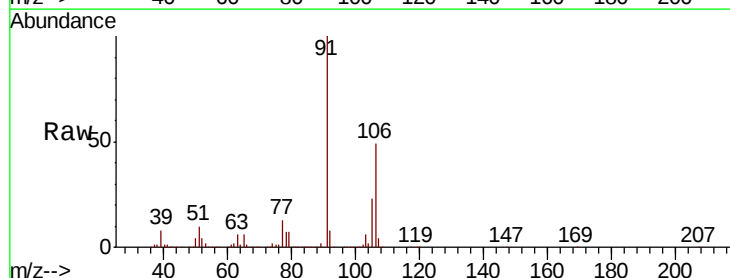
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 751597
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 41.585 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion: 106 Resp: 578377
Ion Ratio Lower Upper
106 100
91 197.9 159.0 238.6

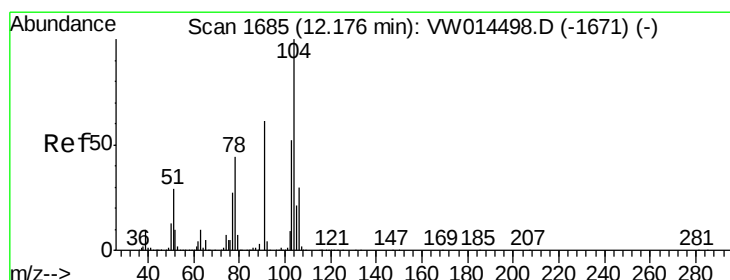
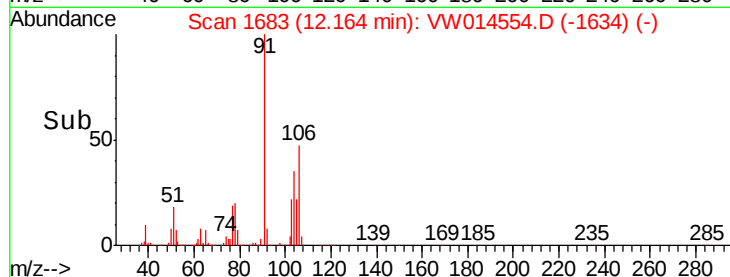
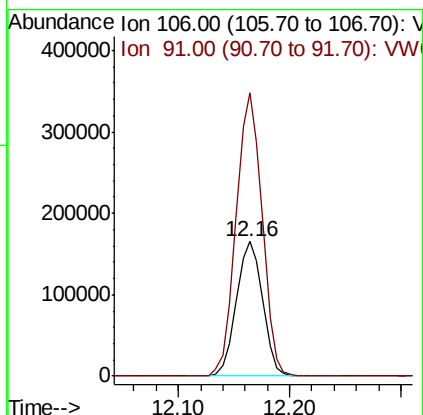
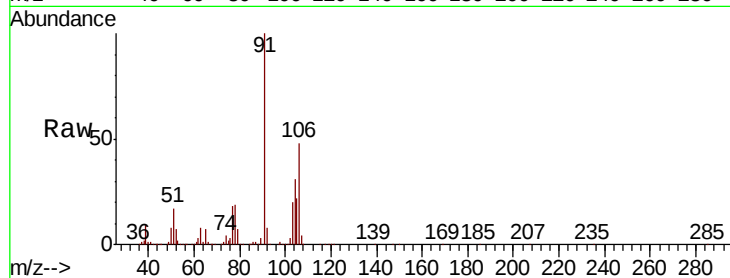




#69
o-Xylene
Concen: 20.915 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

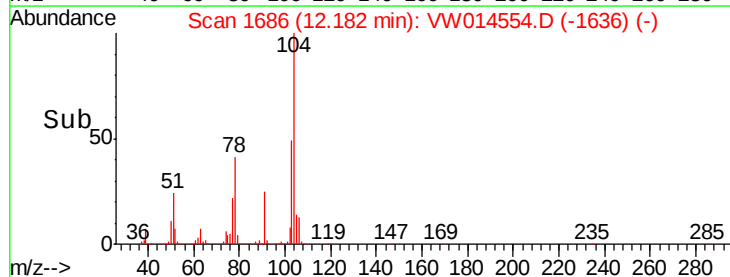
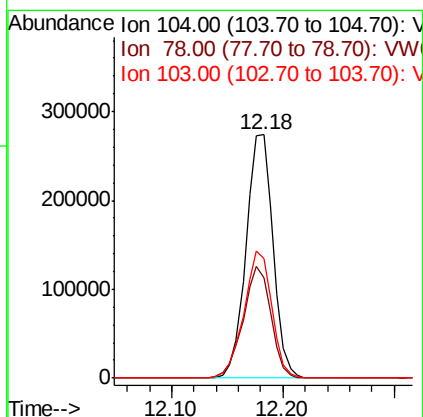
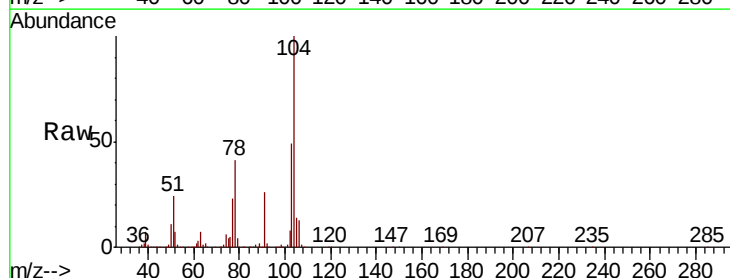
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 268707
Ion Ratio Lower Upper
106 100
91 209.3 105.2 315.6



#70
Styrene
Concen: 21.287 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014554.D
Acq: 08 Jan 2020 12:02

Tgt Ion:104 Resp: 462558
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 54.0 43.7 65.5





#71

Bromoform

Concen: 19.148 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

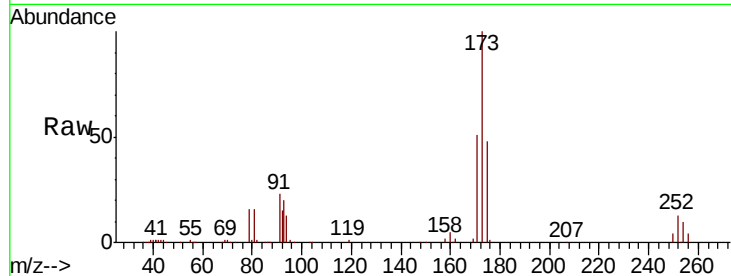
Tot Ion:173 Resp: 70910

Ion Ratio Lower Upper

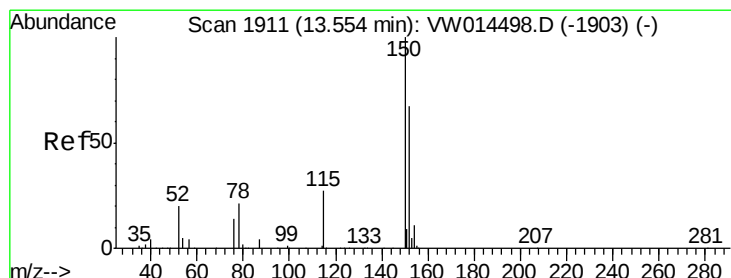
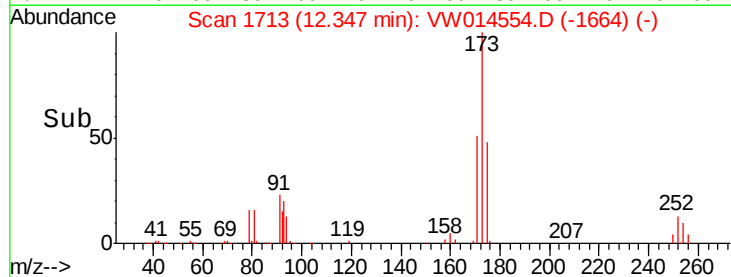
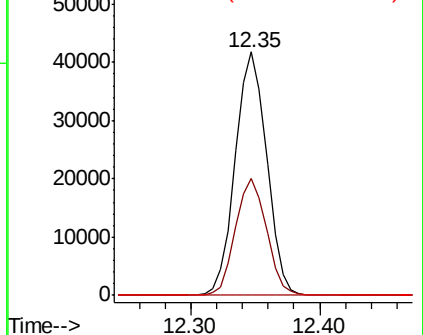
173 100

175 47.2 24.5 73.5

254 0.1 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: VW014554.D

Acq: 08 Jan 2020 12:02

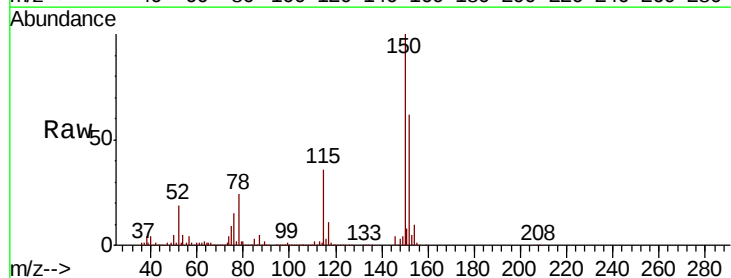
Tgt Ion:152 Resp: 478274

Ion Ratio Lower Upper

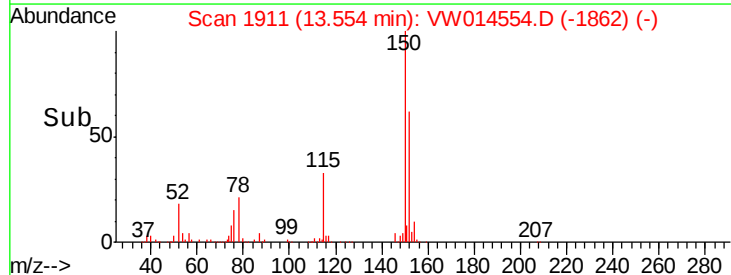
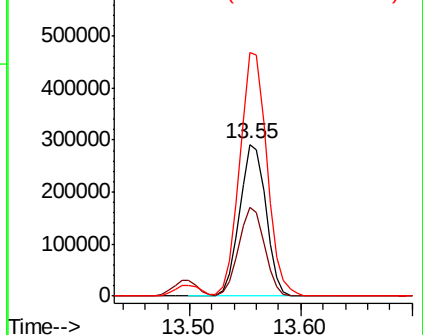
152 100

115 57.1 27.7 83.1

150 166.1 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: 20.573 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

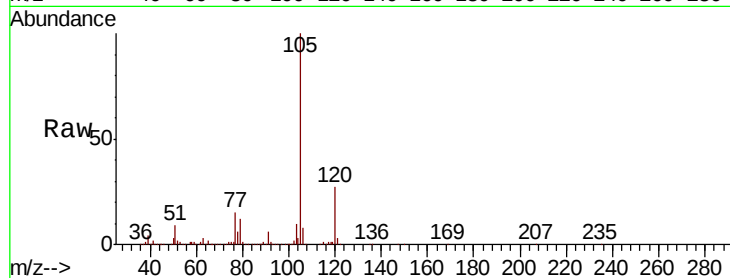
ClientSampled :

Tot Ion:105 Resp: 721963

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

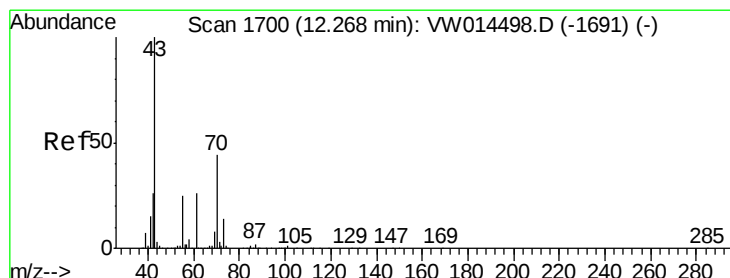
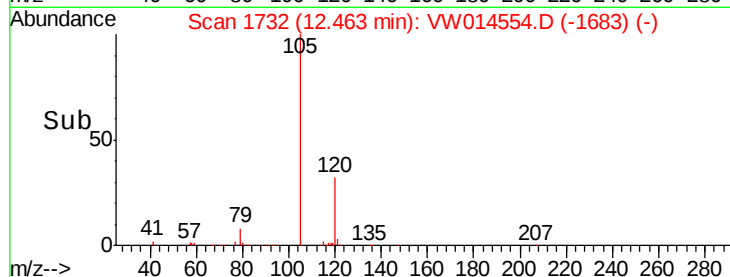
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.051 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Tgt Ion: 43 Resp: 149902

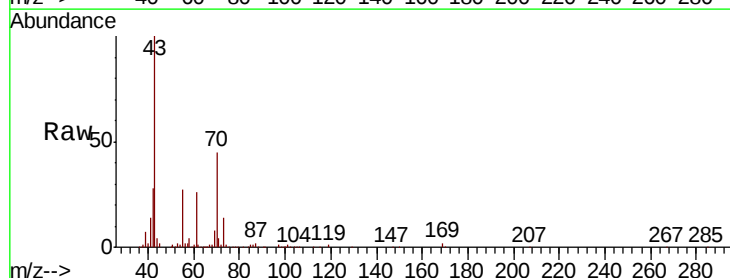
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 27.0 20.9 31.3

61 25.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

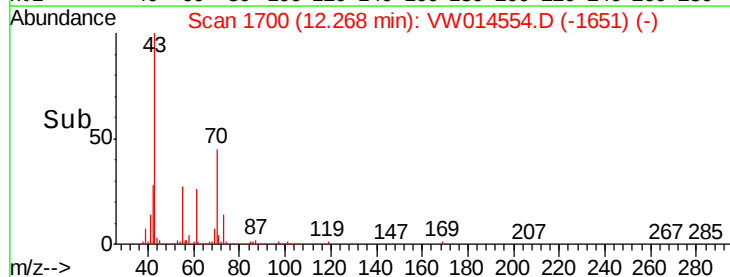
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.505 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

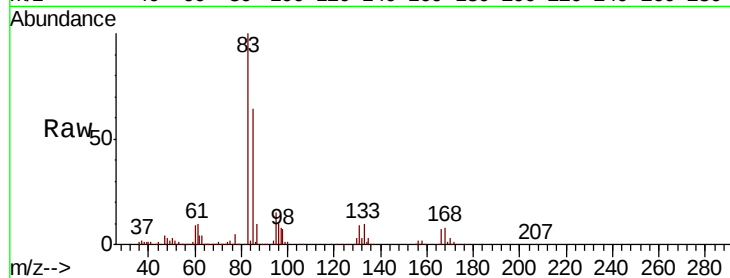
Tot Ion: 83 Resp: 123546

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

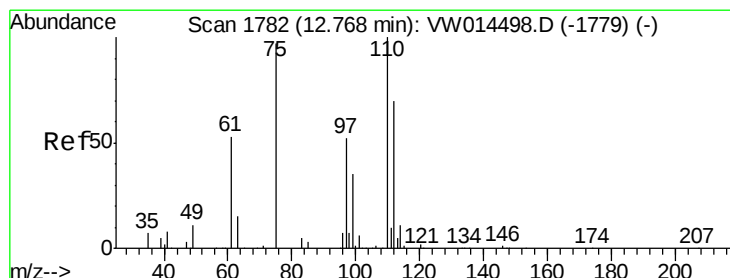
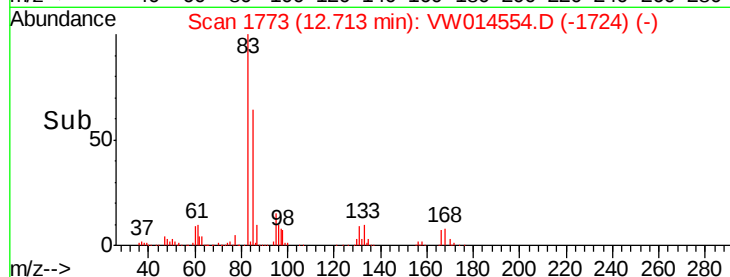
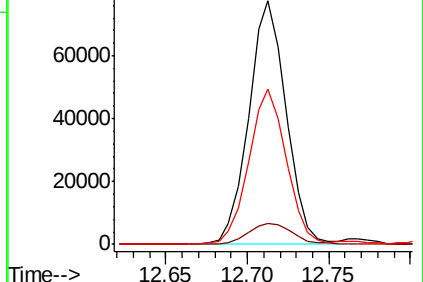
85 64.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.682 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014554.D

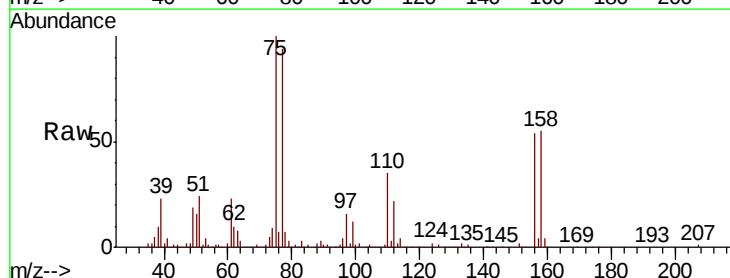
Acq: 08 Jan 2020 12:02

Tgt Ion: 75 Resp: 156834

Ion Ratio Lower Upper

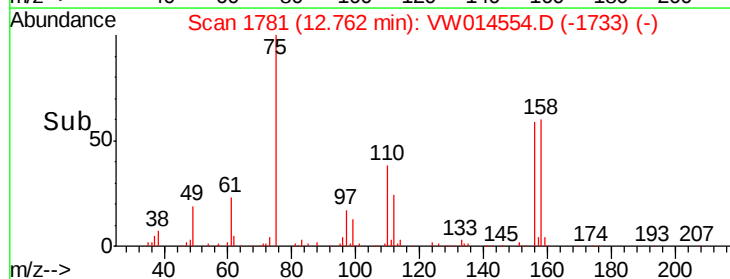
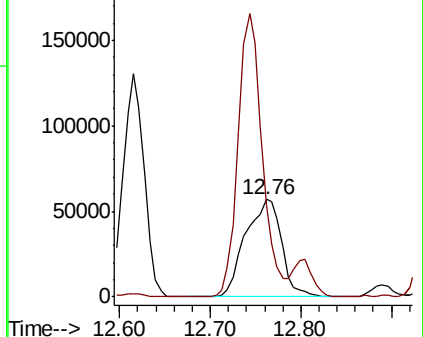
75 100

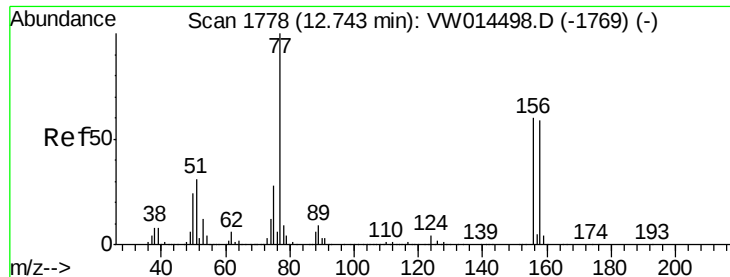
77 197.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.629 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

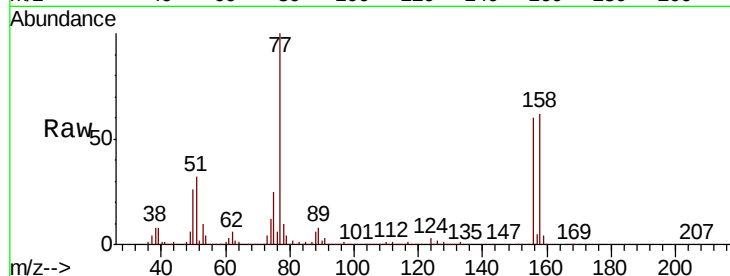
Tot Ion:156 Resp: 168144

Ion Ratio Lower Upper

156 100

77 184.1 92.3 277.1

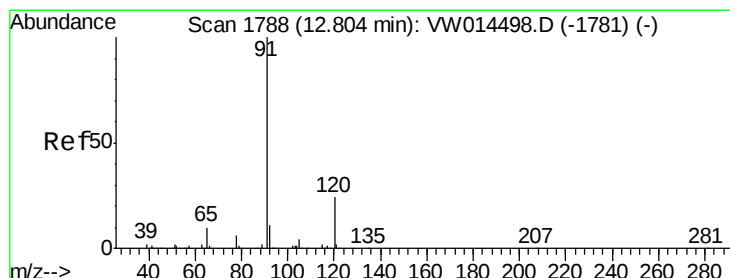
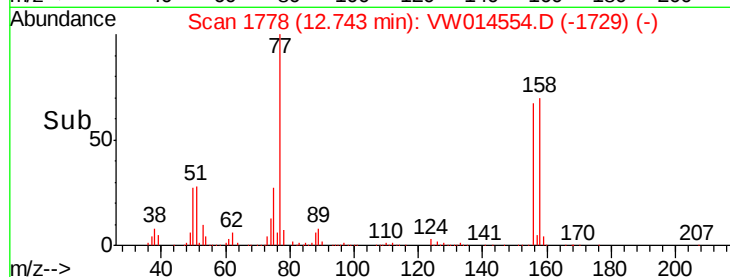
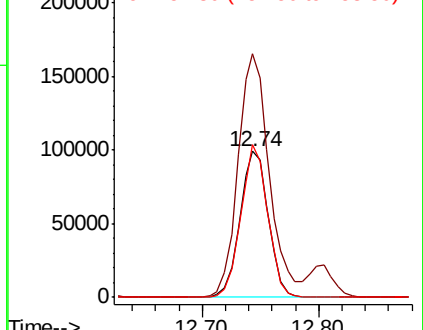
158 98.8 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.684 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014554.D

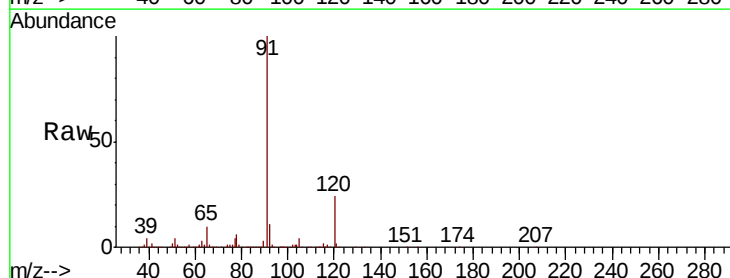
Acq: 08 Jan 2020 12:02

Tgt Ion: 91 Resp: 853544

Ion Ratio Lower Upper

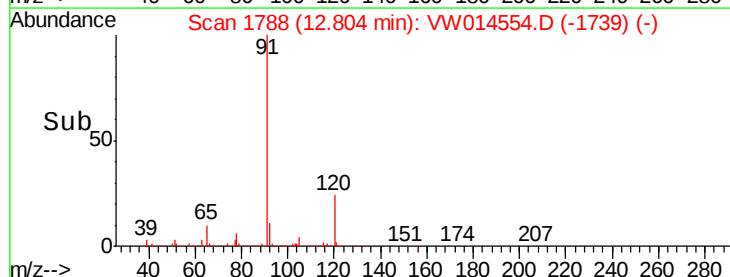
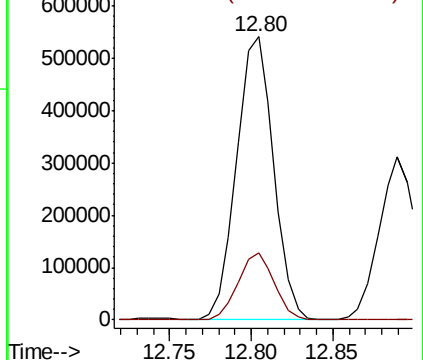
91 100

120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.936 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

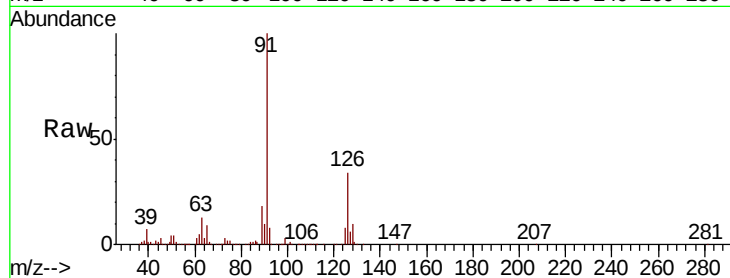
ClientSampled :

Tot Ion: 91 Resp: 491657

Ion Ratio Lower Upper

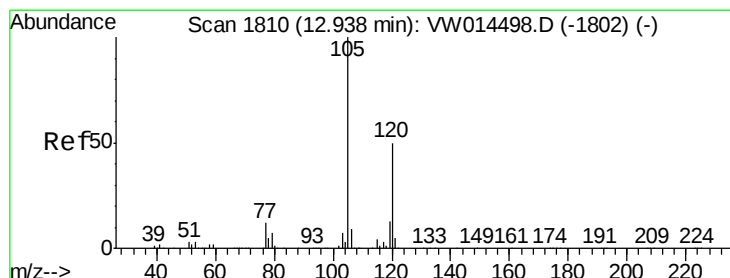
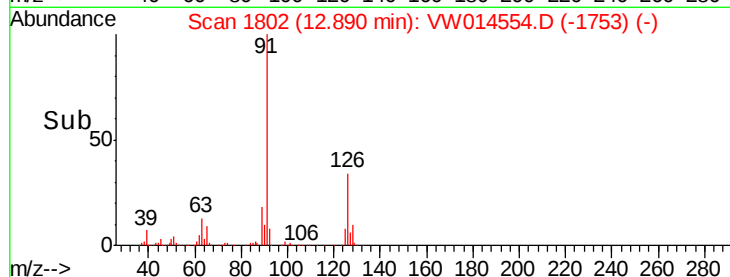
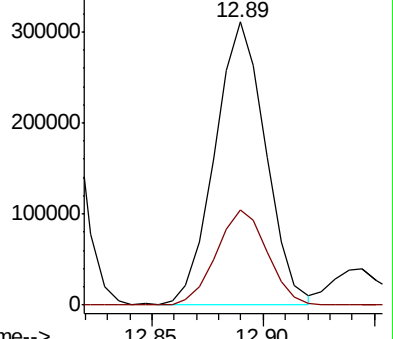
91 100

126 33.9 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: 20.924 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014554.D

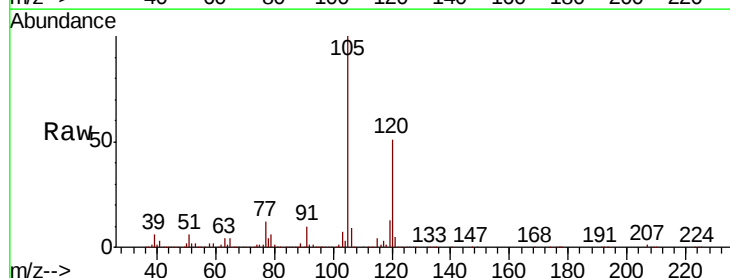
Acq: 08 Jan 2020 12:02

Tgt Ion:105 Resp: 616528

Ion Ratio Lower Upper

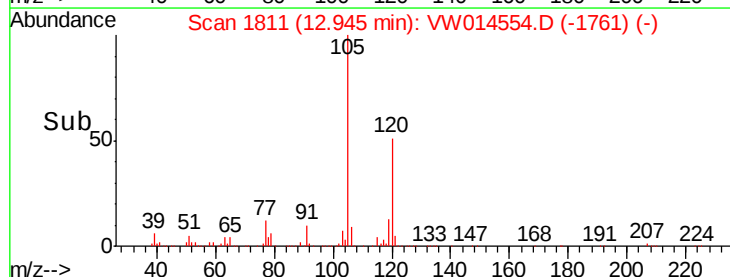
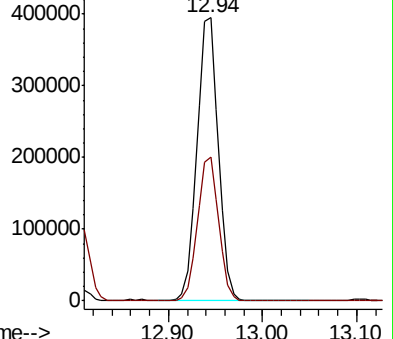
105 100

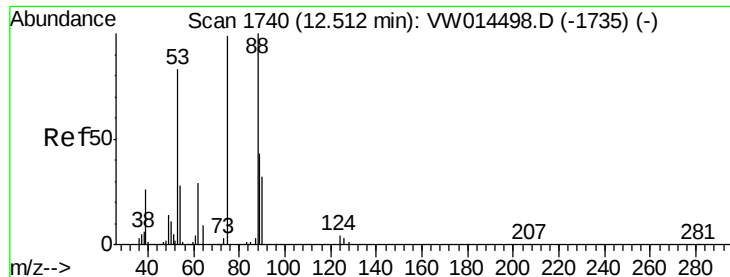
120 50.6 25.2 75.6



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: 18.310 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

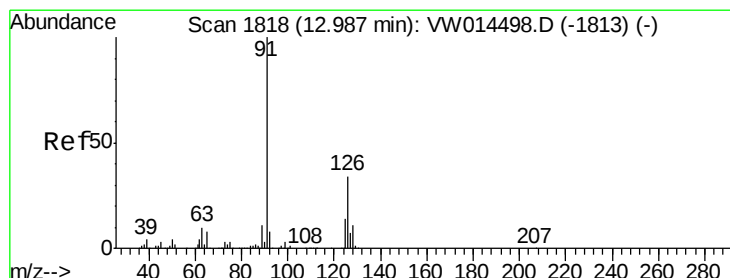
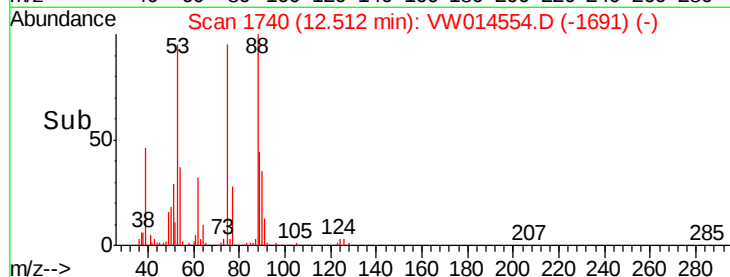
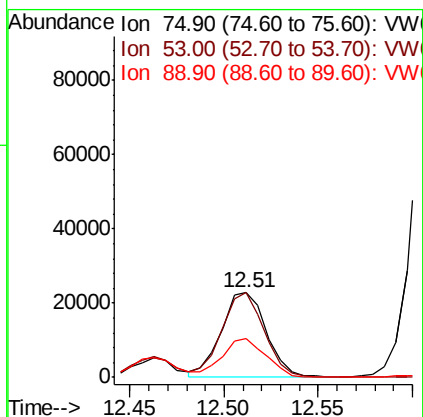
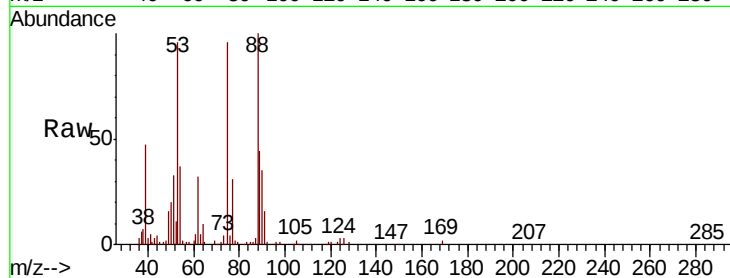
Tot Ion: 75 Resp: 37162

Ion Ratio Lower Upper

75 100

53 95.3 70.9 106.3

89 46.4 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.070 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014554.D

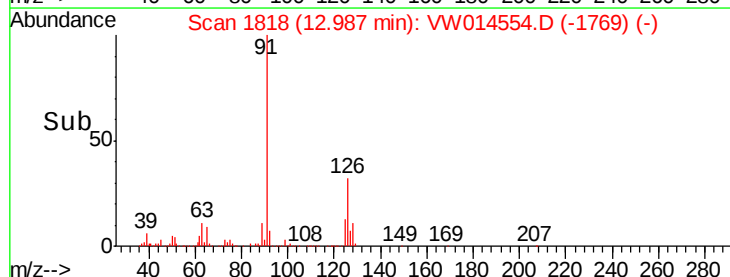
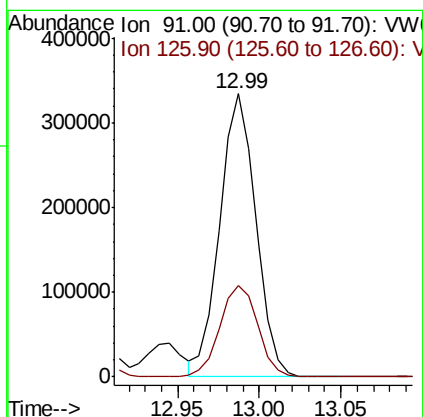
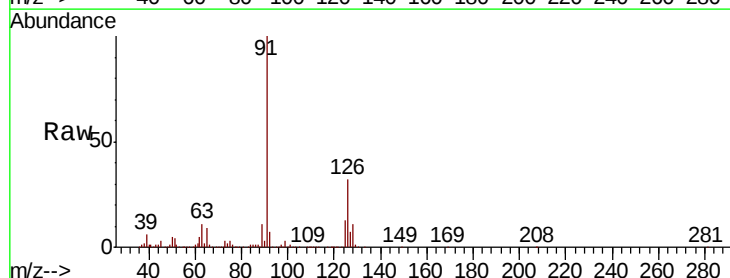
Acq: 08 Jan 2020 12:02

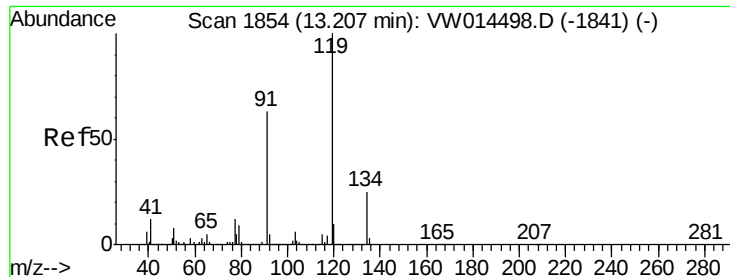
Tgt Ion: 91 Resp: 514070

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 20.449 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

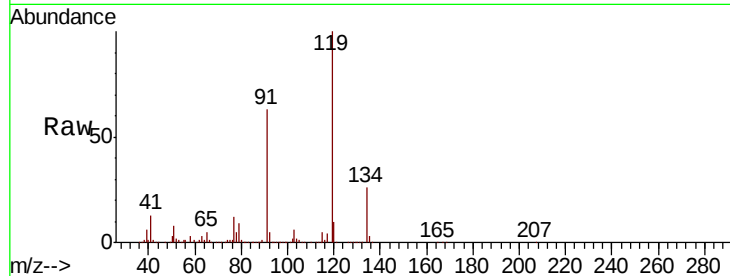
Tot Ion:119 Resp: 527537

Ion Ratio Lower Upper

119 100

91 61.4 31.1 93.3

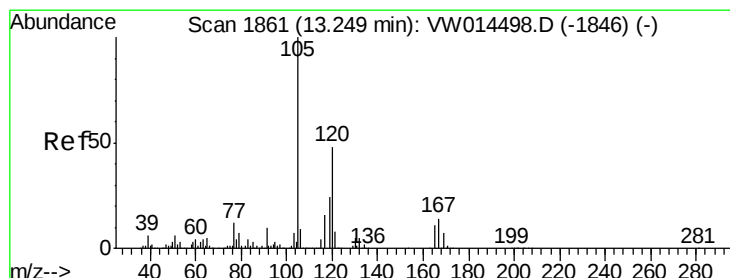
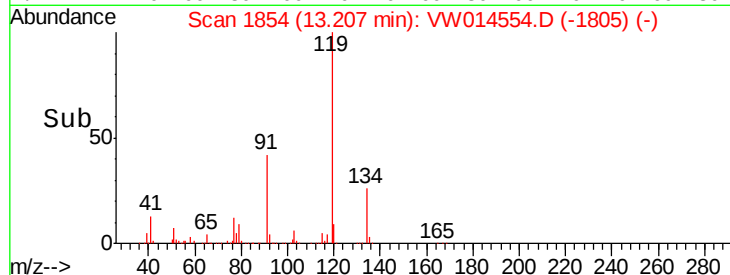
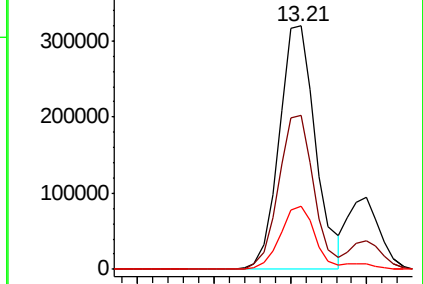
134 25.3 13.5 40.5



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: 20.980 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014554.D

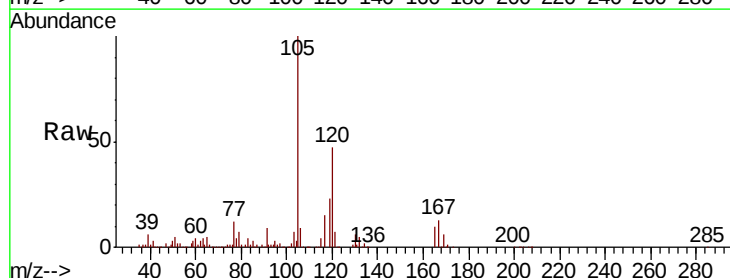
Acq: 08 Jan 2020 12:02

Tgt Ion:105 Resp: 615179

Ion Ratio Lower Upper

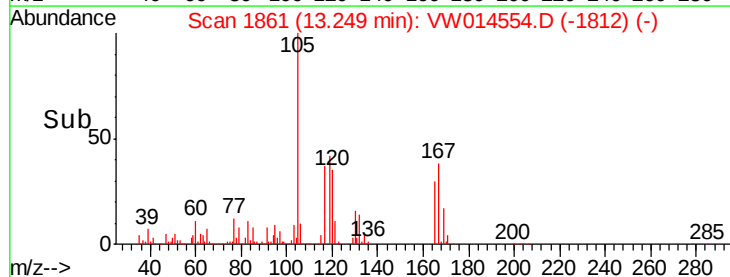
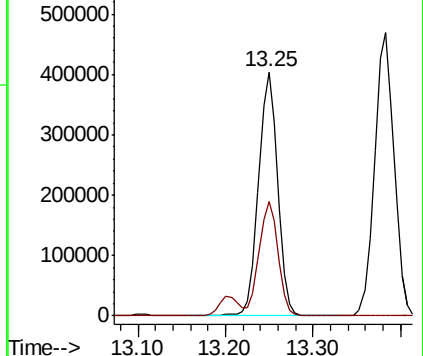
105 100

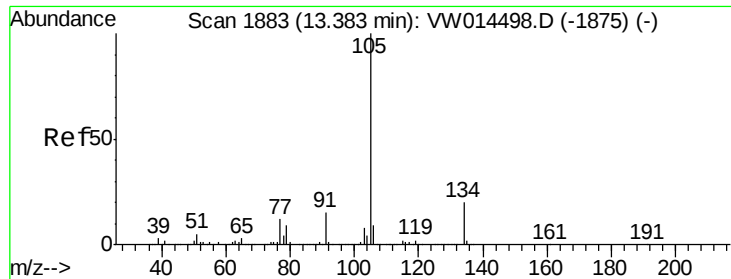
120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

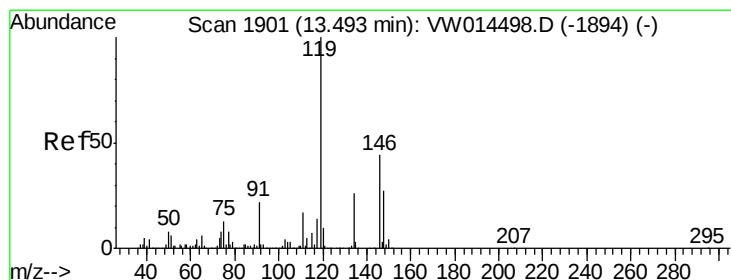
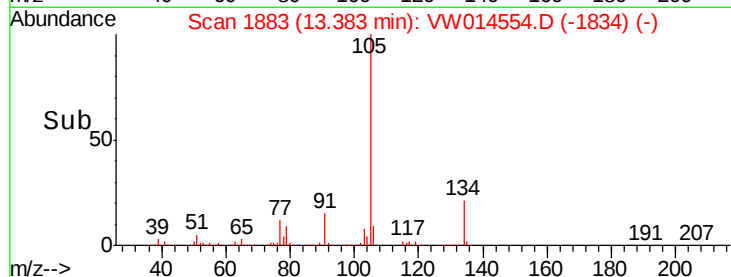
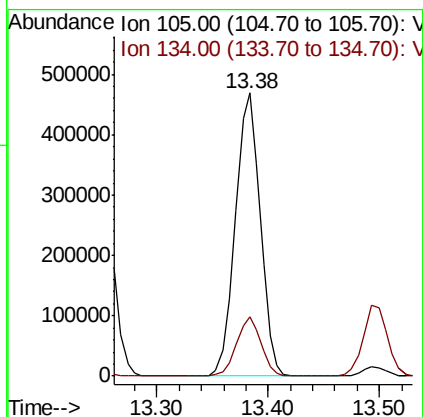
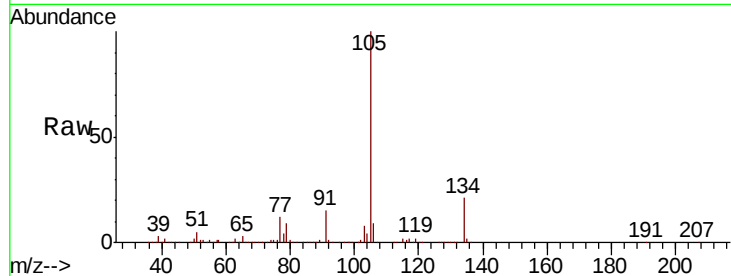




#85
 sec-Butylbenzene
 Concen: 20.278 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

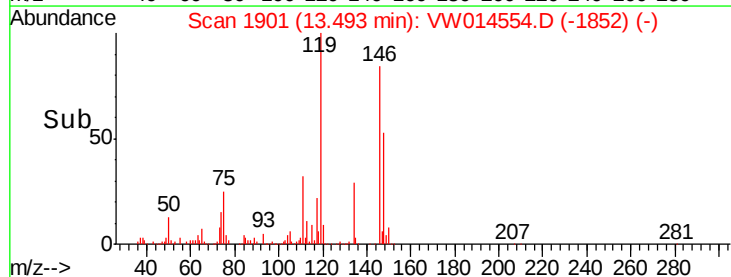
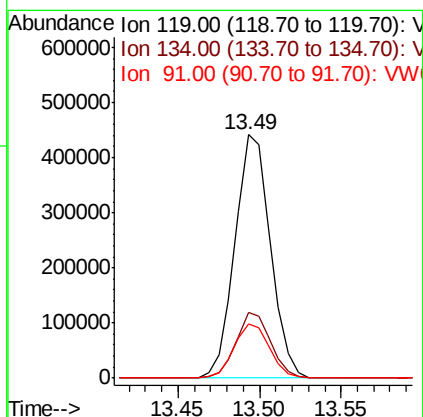
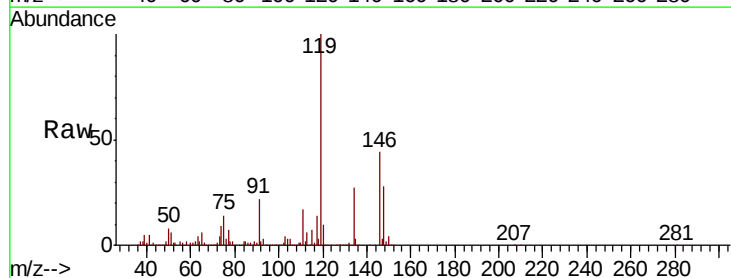
Instrument :
 MSVOA_W
 ClientSampled :

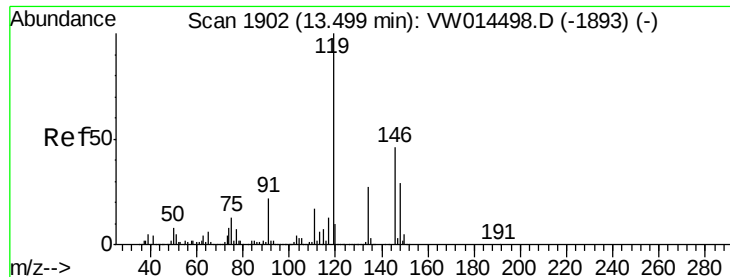
Tot Ion:105 Resp: 724108
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.506 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion:119 Resp: 667450
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 22.1 11.1 33.3

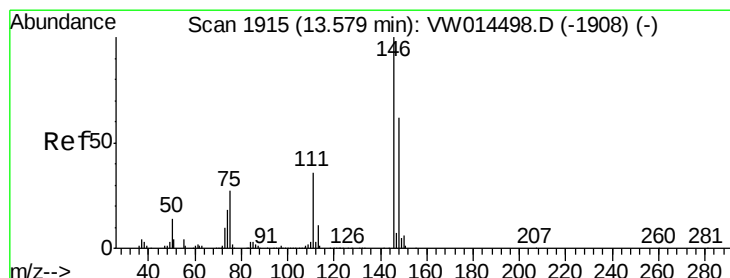
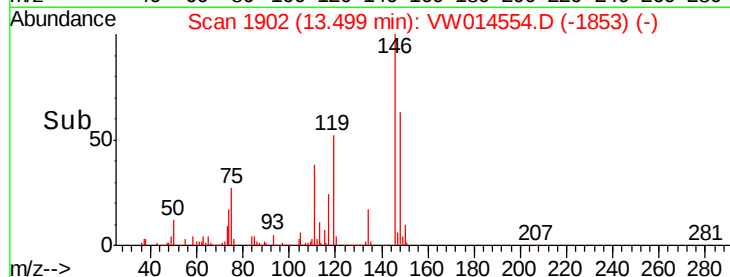
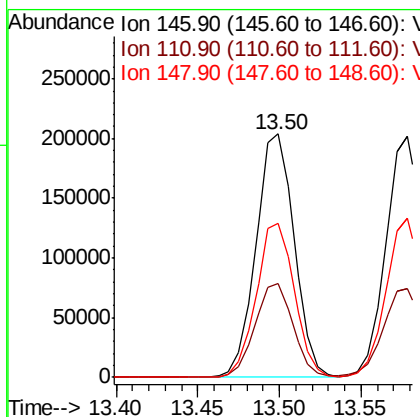
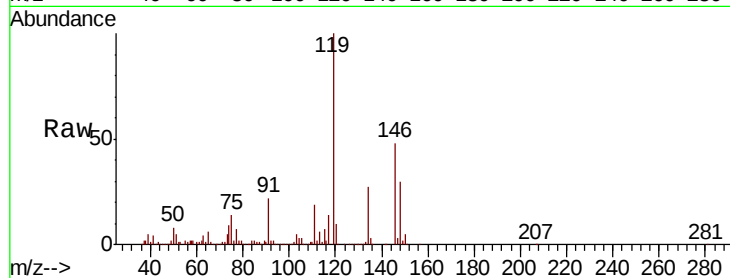




#87
 1,3-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

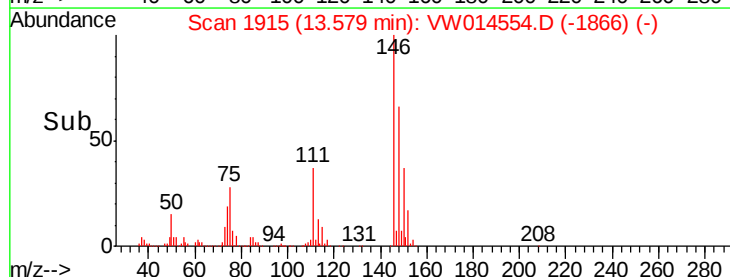
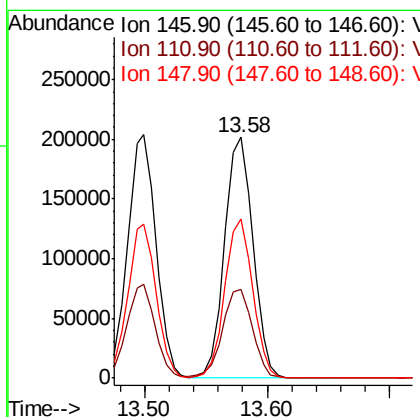
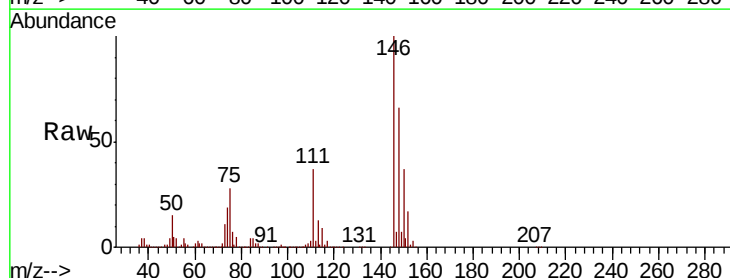
Instrument :
 MSVOA_W
 ClientSampled :

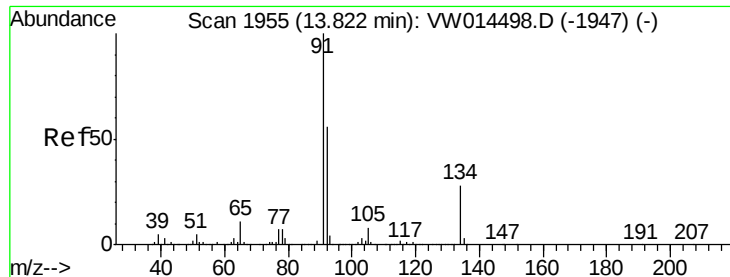
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	62.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.738 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.7	56.1
148	65.2	31.7	95.1





#89

n-Butylbenzene

Concen: 20.341 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

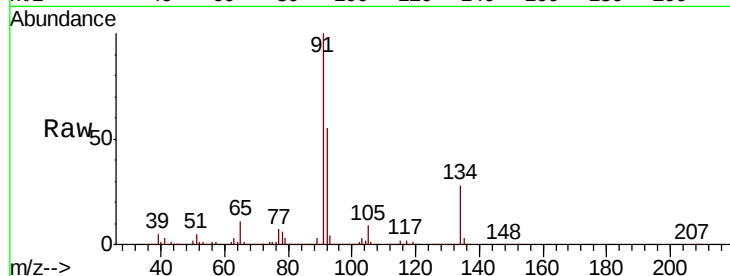
Tot Ion: 91 Resp: 614819

Ion Ratio Lower Upper

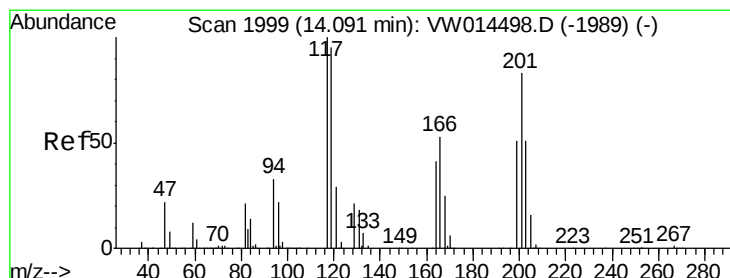
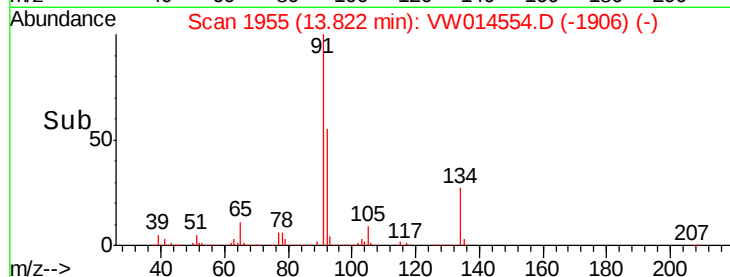
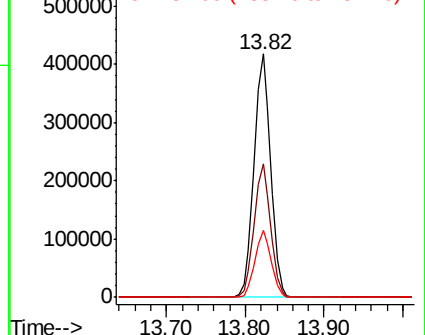
91 100

92 54.3 27.5 82.5

134 27.0 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: 19.806 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014554.D

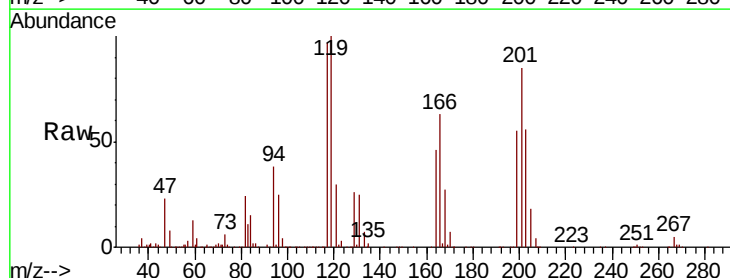
Acq: 08 Jan 2020 12:02

Tgt Ion: 117 Resp: 112617

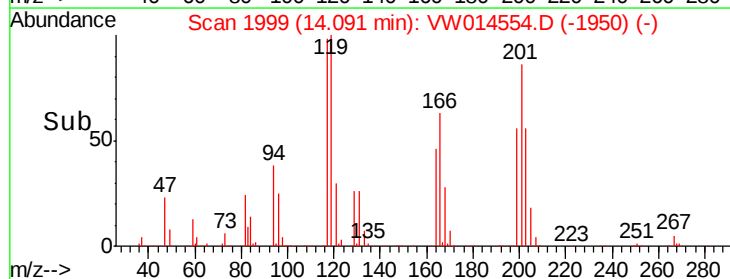
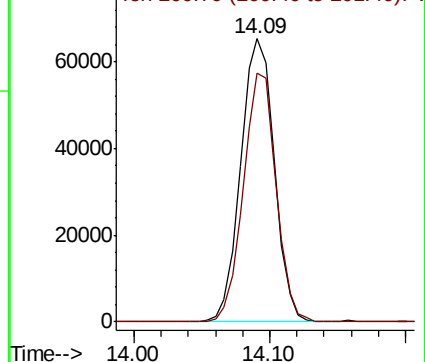
Ion Ratio Lower Upper

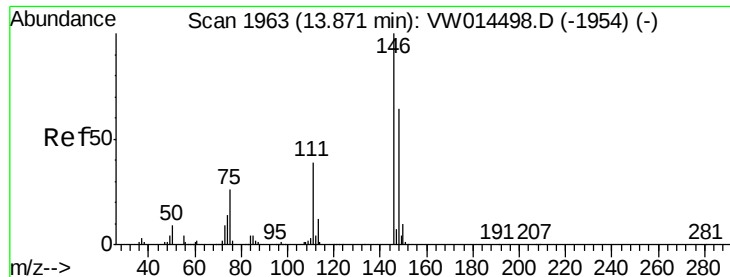
117 100

201 85.6 43.0 128.8



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

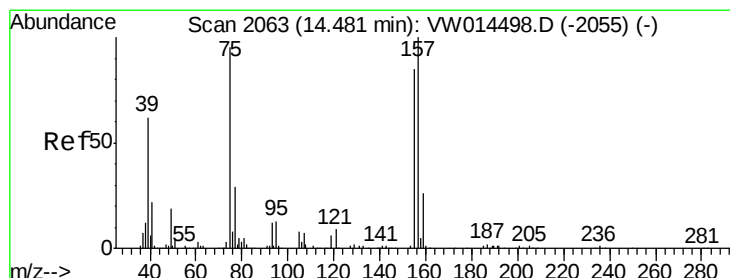
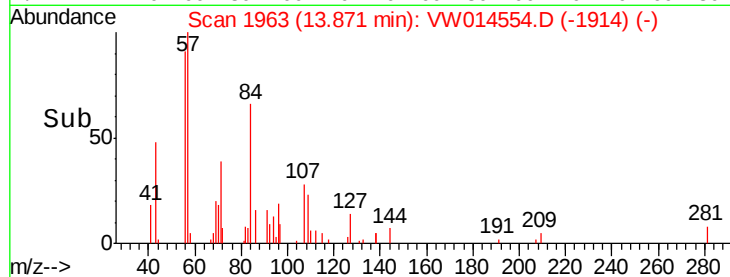
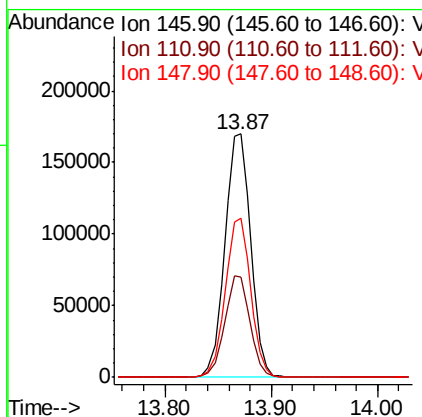
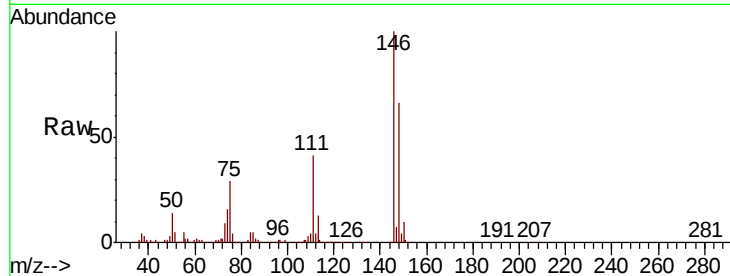




#91
 1,2-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

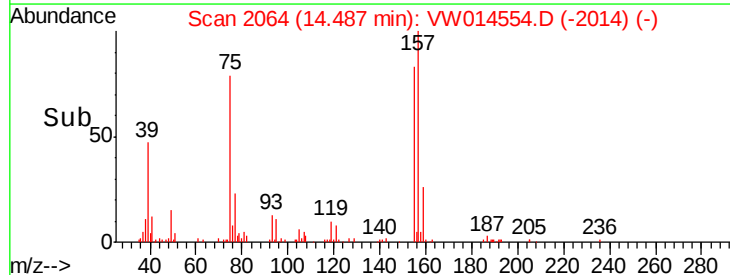
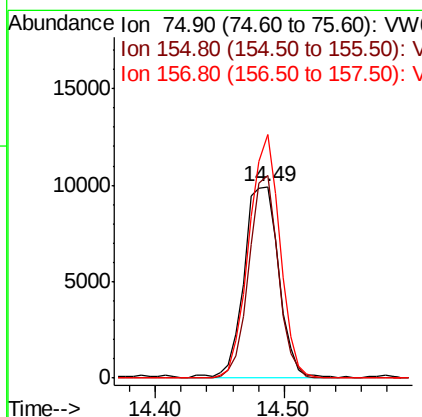
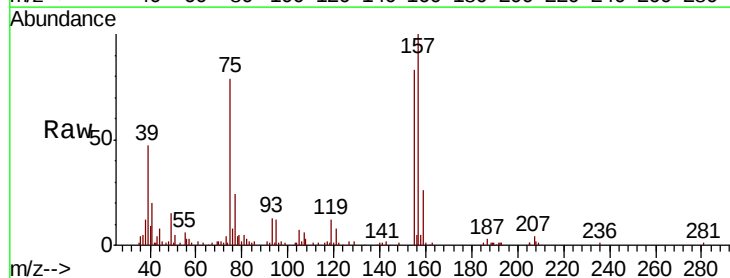
Instrument :
 MSVOA_W
 ClientSampleId :

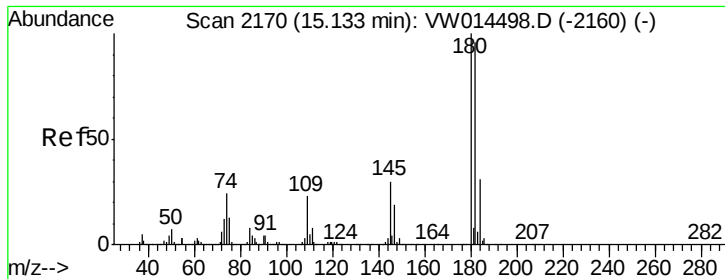
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.492 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	45.8	137.4
157	112.2	58.1	174.2

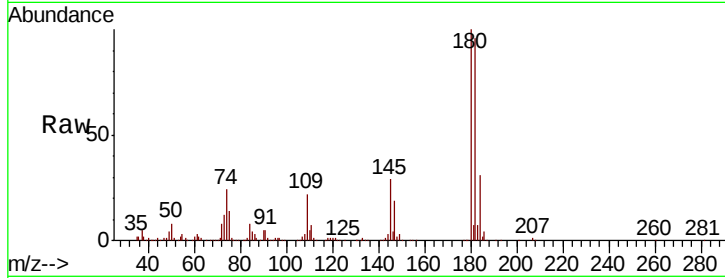




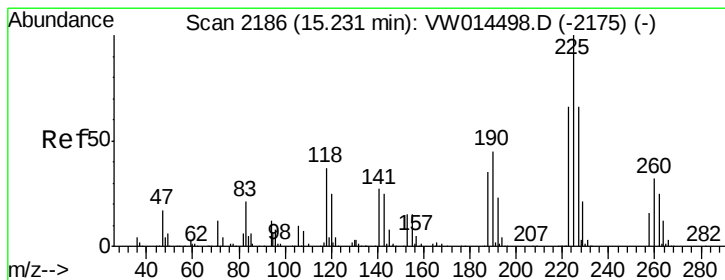
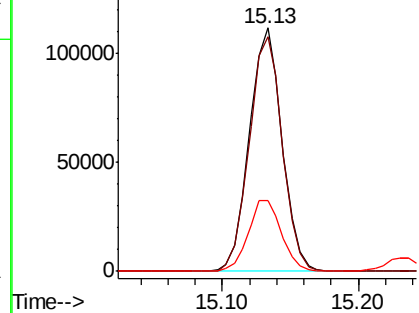
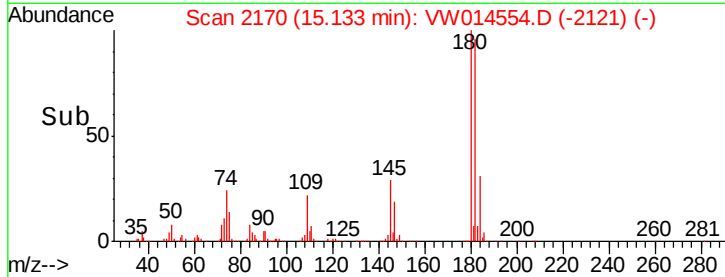
#93
 1,2,4-Trichlorobenzene
 Concen: 19.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	29.8	14.7	44.1

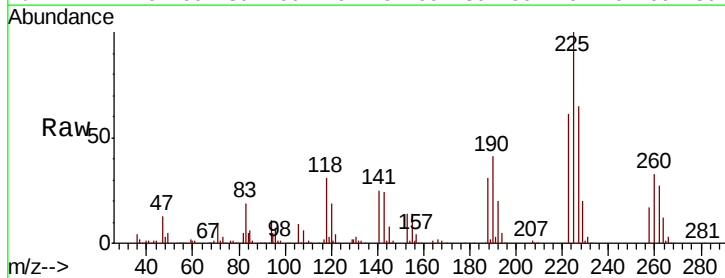


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

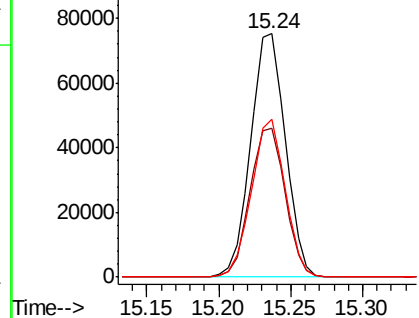
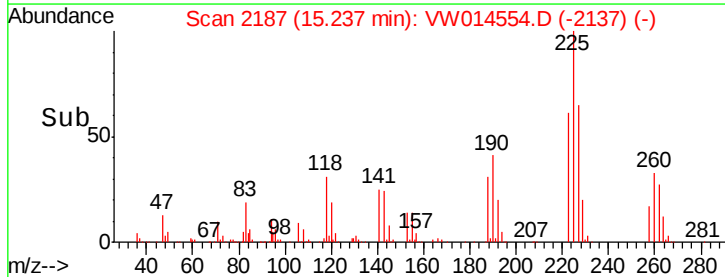


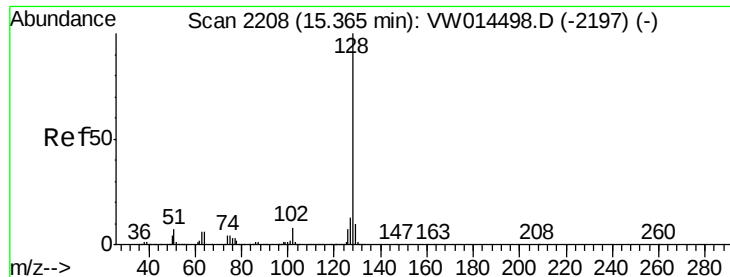
#94
 Hexachlorobutadiene
 Concen: 19.852 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014554.D
 Acq: 08 Jan 2020 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.4	97.2
227	63.2	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.521 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

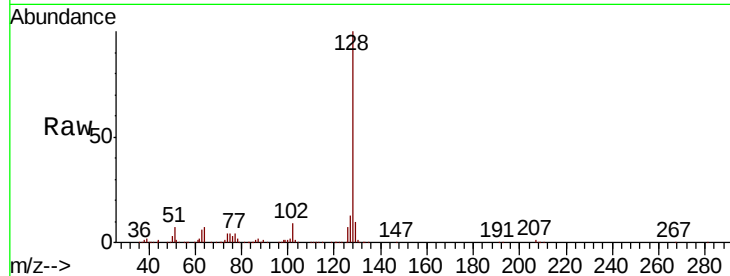
Tot Ion:128 Resp: 297153

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

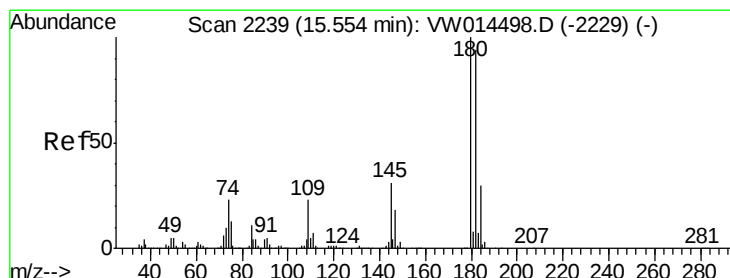
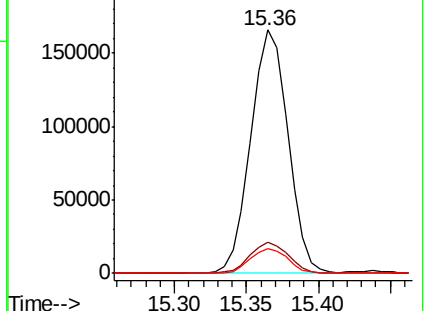
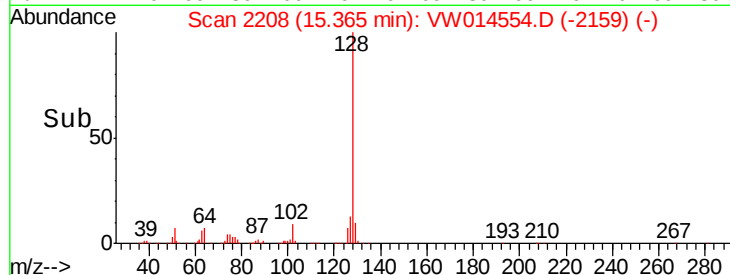
129 10.3 8.7 13.1



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: 20.056 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014554.D

Acq: 08 Jan 2020 12:02

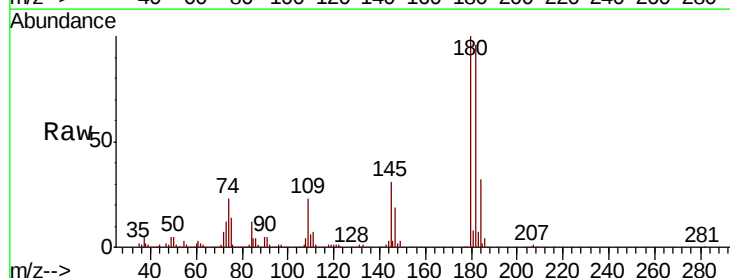
Tgt Ion:180 Resp: 164462

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

145 30.4 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

