

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014501.D
 Acq On : 03 Jan 2020 16:19
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:43:21 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	843518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1269257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1074407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	528957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	369851	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.88	113	372731	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.32	98	1584912	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.62	95	529256	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	243352	51.096	ug/l	100
3) Chloromethane	2.21	50	286472	49.141	ug/l	96
4) Vinyl Chloride	2.36	62	440734	51.401	ug/l	99
5) Bromomethane	2.77	94	281683	53.180	ug/l	98
6) Chloroethane	2.92	64	260102	53.215	ug/l	100
7) Trichlorofluoromethane	3.25	101	250081	58.293	ug/l	96
8) Diethyl Ether	3.68	74	220605	51.682	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	422115	52.660	ug/l	99
10) Methyl Iodide	4.26	142	622119	51.438	ug/l	99
11) Tert butyl alcohol	5.16	59	154441	273.779	ug/l	100
12) 1,1-Dichloroethene	4.04	96	443320	52.812	ug/l	98
13) Acrolein	3.88	56	167163	259.693	ug/l	100
14) Allyl chloride	4.66	41	698503	54.452	ug/l	99
15) Acrylonitrile	5.35	53	495425	253.920	ug/l	100
16) Acetone	4.11	43	561303	269.539	ug/l	99
17) Carbon Disulfide	4.38	76	1335211	52.775	ug/l	98
18) Methyl Acetate	4.66	43	247656	49.242	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	543504	52.160	ug/l	98
20) Methylene Chloride	4.91	84	448925	53.626	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	468801	52.596	ug/l	96
22) Diisopropyl ether	6.31	45	1254537	52.250	ug/l	99
23) Vinyl Acetate	6.24	43	3841038	264.921	ug/l	100
24) 1,1-Dichloroethane	6.21	63	789505	52.128	ug/l	99
25) 2-Butanone	7.16	43	670236	250.793	ug/l	98
26) 2,2-Dichloropropane	7.16	77	433076	51.648	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	492955	52.634	ug/l	99
28) Bromochloromethane	7.51	49	314997	53.050	ug/l	98
29) Tetrahydrofuran	7.52	42	408138	246.518	ug/l	99
30) Chloroform	7.67	83	730669	51.590	ug/l	99
31) Cyclohexane	7.95	56	796368	50.596	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	601816	52.834	ug/l	99
36) 1,1-Dichloropropene	8.08	75	647512	52.918	ug/l	100
37) Ethyl Acetate	7.24	43	279258	50.321	ug/l	98
38) Carbon Tetrachloride	8.06	117	564023	53.131	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	849345	54.089	ug/l	99
40) Benzene	8.32	78	1794257	51.826	ug/l	100
41) Methacrylonitrile	7.48	41	155941	50.409	ug/l	99
42) 1,2-Dichloroethane	8.40	62	454629	50.602	ug/l	100
43) Isopropyl Acetate	8.42	43	506288	50.240	ug/l	100
44) Trichloroethene	9.09	130	491178	52.431	ug/l	96
45) 1,2-Dichloropropane	9.37	63	438052	51.563	ug/l	96
46) Dibromomethane	9.45	93	212949	50.775	ug/l	99
47) Bromodichloromethane	9.64	83	540936	52.242	ug/l	99
48) Methyl methacrylate	9.43	41	251839	51.185	ug/l	99
49) 1,4-Dioxane	9.44	88	82297	1049.141	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1320053	252.247	ug/l	99
52) Toluene	10.38	92	1147537	52.687	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	572180	53.371	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	695788	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	315144	51.450	ug/l	98
56) Ethyl methacrylate	10.64	69	422022	53.015	ug/l	99
57) 1,3-Dichloropropane	10.93	76	552148	51.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	630942	260.612	ug/l	100
59) 2-Hexanone	10.96	43	930988	258.169	ug/l	100
60) Dibromochloromethane	11.13	129	362856	52.503	ug/l	100
61) 1,2-Dibromoethane	11.23	107	296938	51.071	ug/l	99
64) Tetrachloroethene	10.86	164	406433	52.252	ug/l	98
65) Chlorobenzene	11.65	112	1161779	52.781	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.72	131	399893	53.959	ug/l	99
67) Ethyl Benzene	11.72	91	2138360	53.907	ug/l	97
68) m/p-Xylenes	11.83	106	1627369	107.192	ug/l	100
69) o-Xylene	12.16	106	756029	53.911	ug/l	100
70) Styrene	12.18	104	1281397	54.022	ug/l	100
71) Bromoform	12.35	173	210807	52.149	ug/l #	100
73) Isopropylbenzene	12.46	105	2103537	54.198	ug/l	100
74) N-amyl acetate	12.27	43	463463	53.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	356051	50.825	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	453442	90.666	ug/l #	100
77) Bromobenzene	12.74	156	471431	52.297	ug/l	100
78) n-propylbenzene	12.80	91	2479579	54.330	ug/l	100
79) 2-Chlorotoluene	12.89	91	1380153	53.140	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1768275	54.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	118820	52.934	ug/l	98
82) 4-Chlorotoluene	12.99	91	1426582	52.869	ug/l	100
83) tert-Butylbenzene	13.21	119	1556383	54.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1748602	53.920	ug/l	100
85) sec-Butylbenzene	13.38	105	2141719	54.230	ug/l	99
86) p-Isopropyltoluene	13.49	119	1958662	54.411	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	922569	52.630	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	918126	53.053	ug/l	99
89) n-Butylbenzene	13.82	91	1854348	55.472	ug/l	99
90) Hexachloroethane	14.09	117	341253	54.266	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	811283	52.657	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	57254	51.609	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	589516	56.661	ug/l	99
94) Hexachlorobutadiene	15.24	225	373744	53.604	ug/l	97
95) Naphthalene	15.36	128	1017279	57.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	507981	56.013	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: VW014501.D

Acq: 03 Jan 2020 16:19

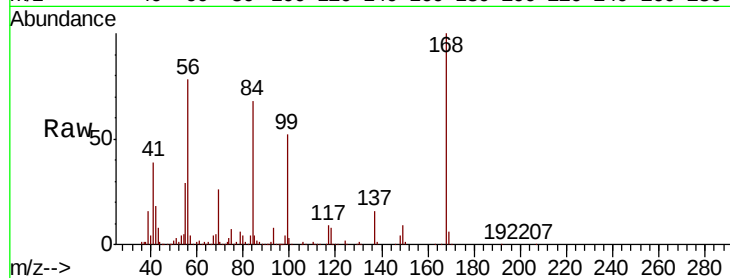
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 843518

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

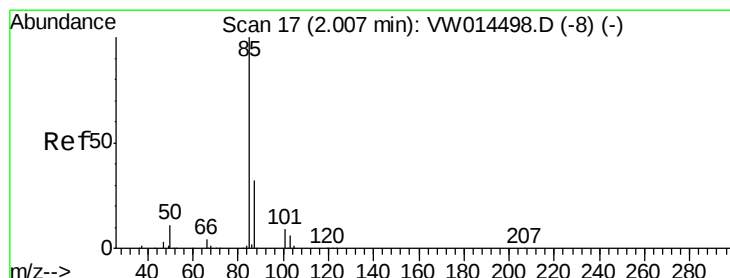
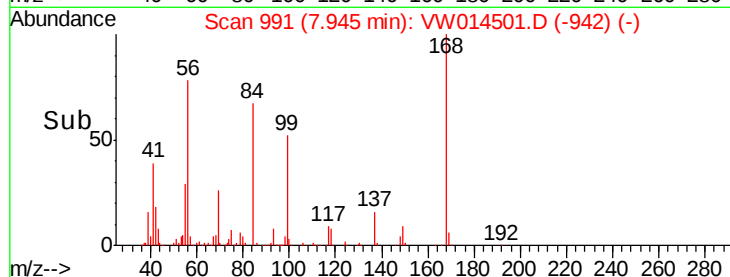
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.096 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014501.D

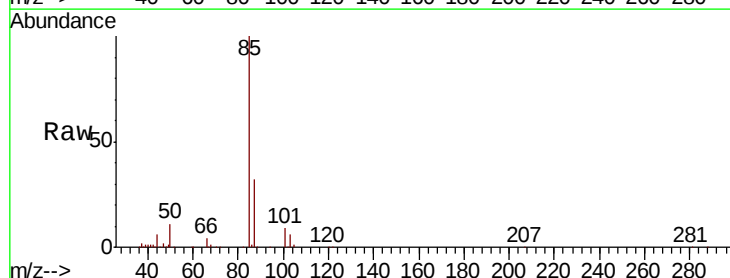
Acq: 03 Jan 2020 16:19

Tgt Ion: 85 Resp: 243352

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100000

80000

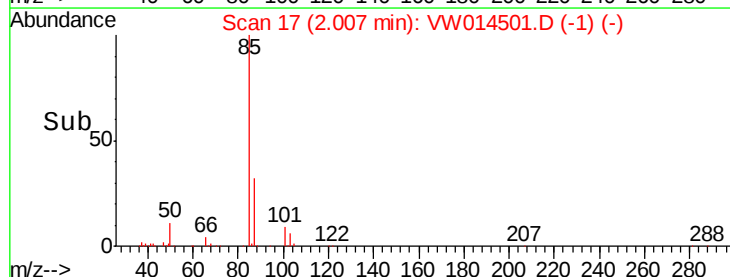
60000

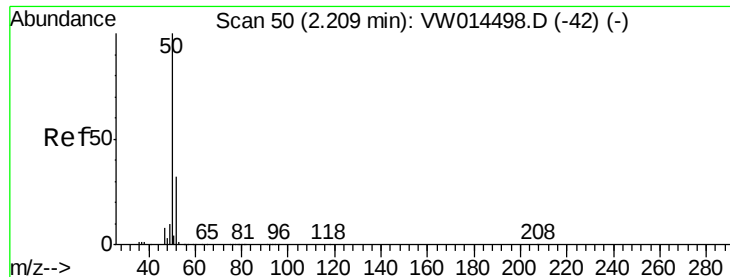
40000

20000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 49.141 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

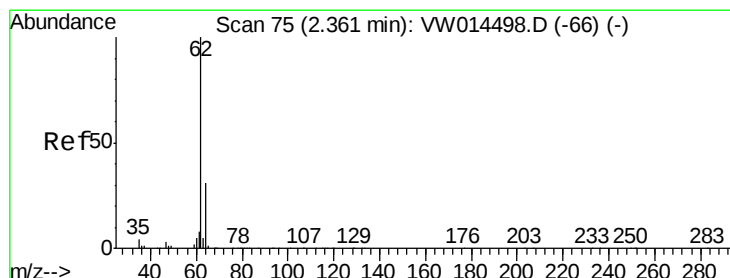
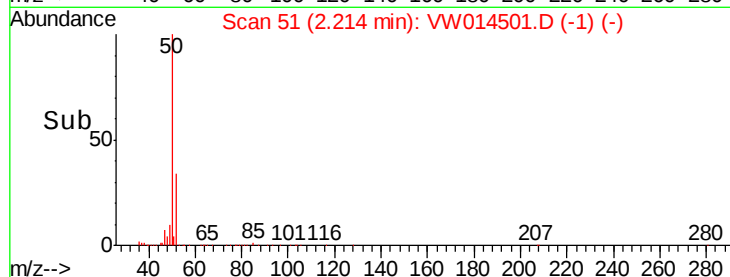
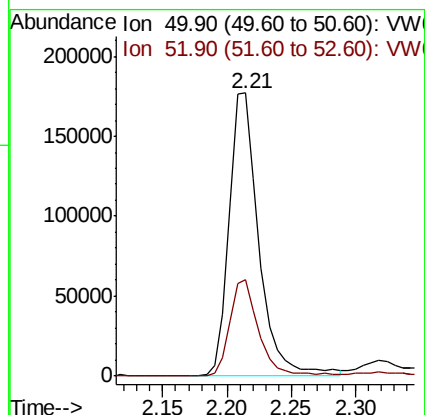
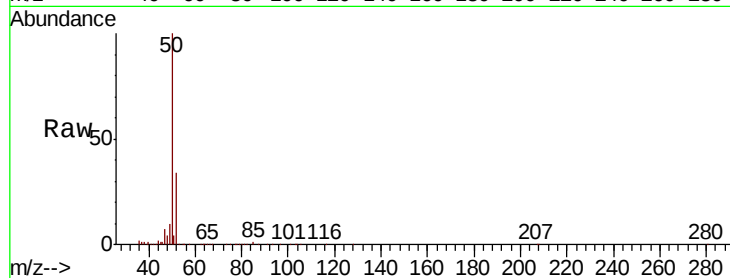
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 286472

Ion Ratio Lower Upper

50 100

52 34.3 25.8 38.8



#4

Vinyl Chloride

Concen: 51.401 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014501.D

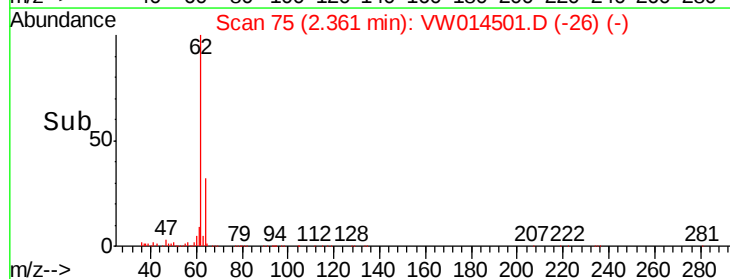
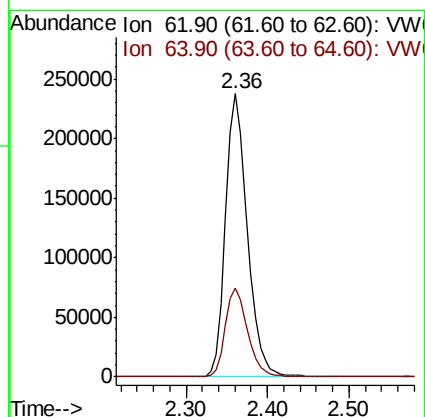
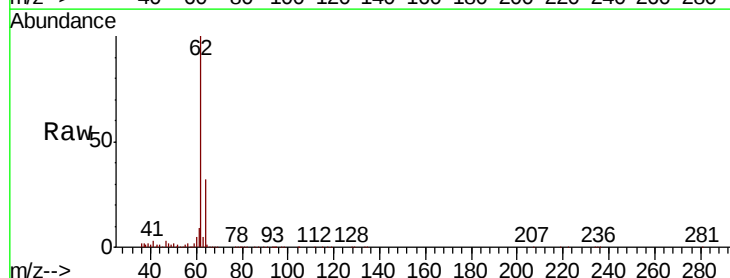
Acq: 03 Jan 2020 16:19

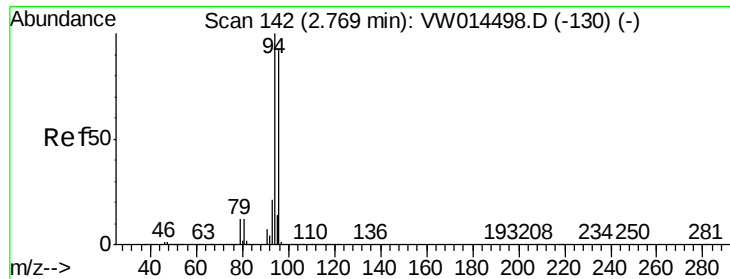
Tgt Ion: 62 Resp: 440734

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 53.180 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

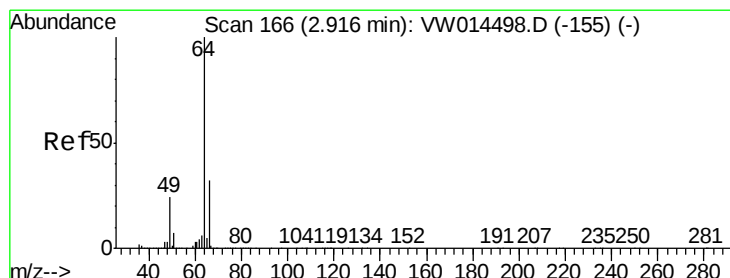
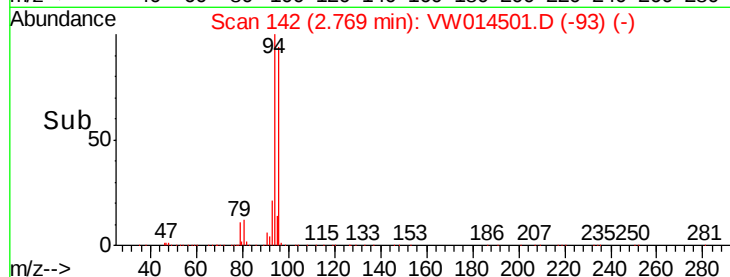
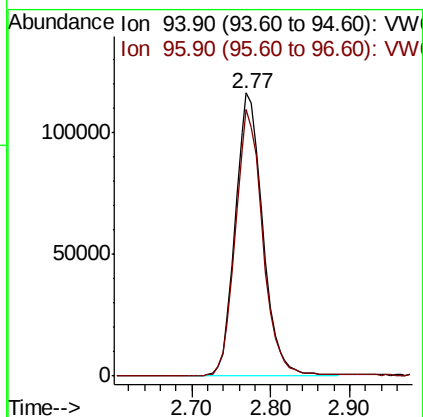
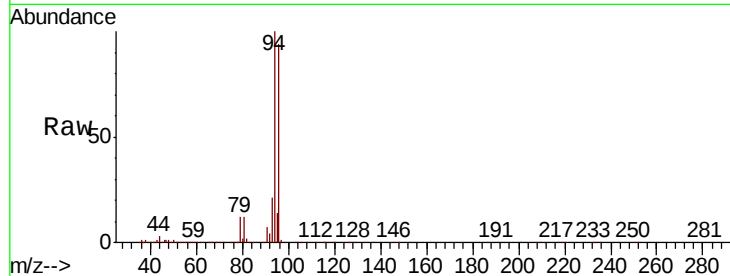
ClientSampleId :

Tot Ion: 94 Resp: 281683

Ion Ratio Lower Upper

94 100

96 94.3 74.2 111.2



#6

Chloroethane

Concen: 53.215 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014501.D

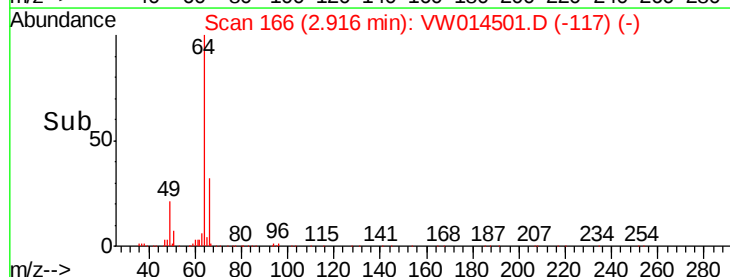
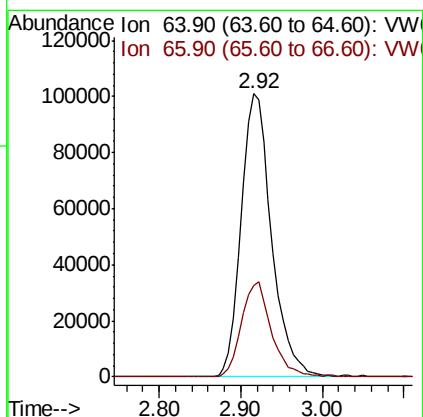
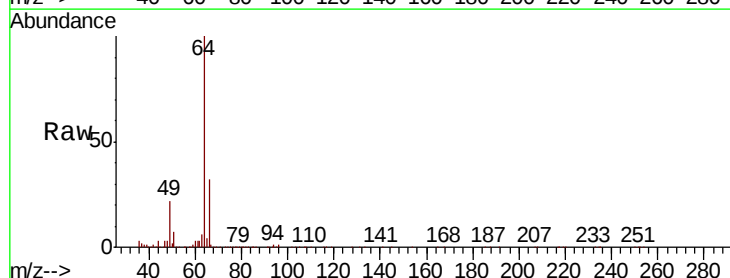
Acq: 03 Jan 2020 16:19

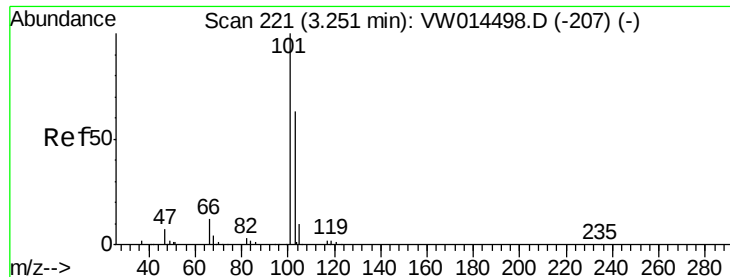
Tgt Ion: 64 Resp: 260102

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



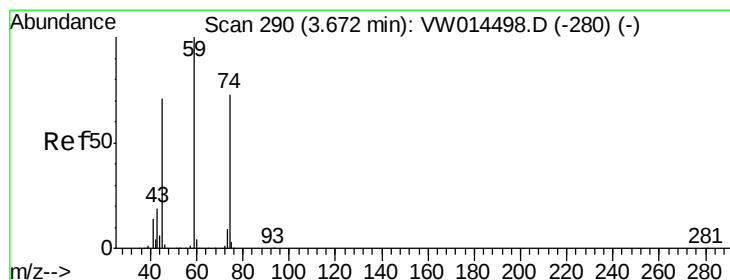
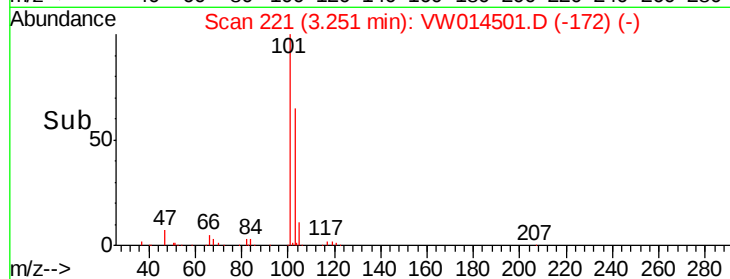
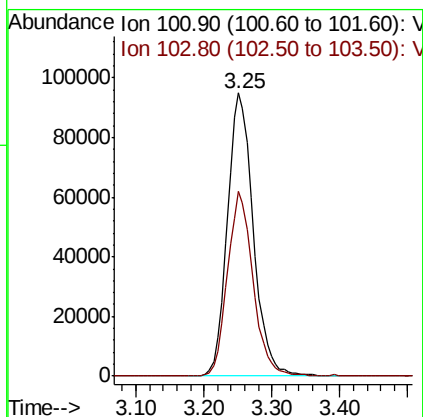
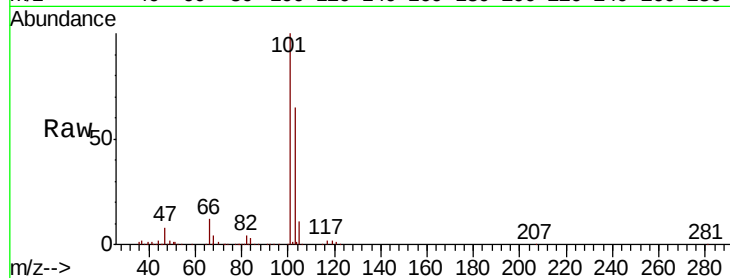


#7

Trichlorofluoromethane
 Concen: 58.293 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Instrument :
 MSVOA_W
 ClientSampled :

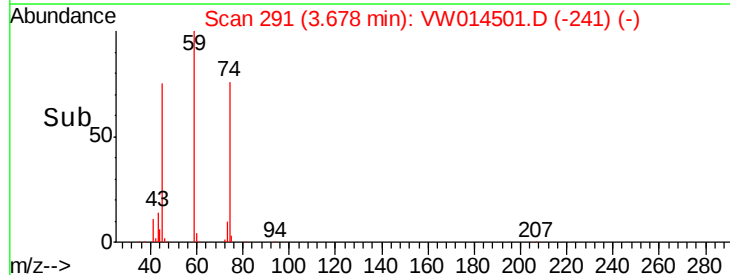
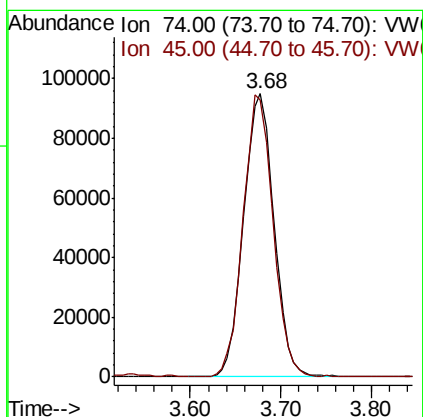
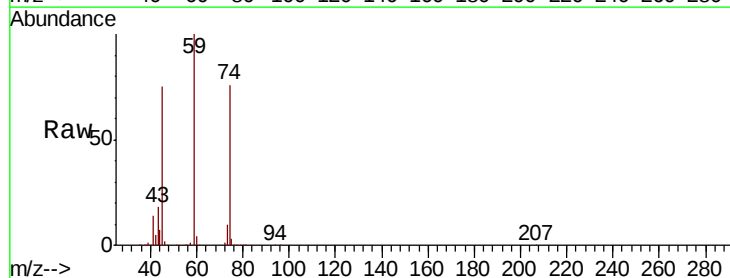
Tot Ion:101 Resp: 250081
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.1 75.1



#8

Diethyl Ether
 Concen: 51.682 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 74 Resp: 220605
 Ion Ratio Lower Upper
 74 100
 45 98.0 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.660 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

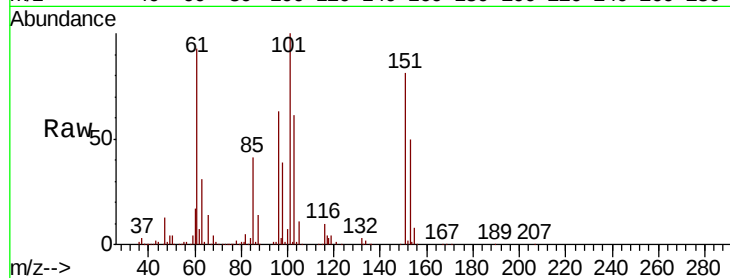
Tot Ion:101 Resp: 422115

Ion Ratio Lower Upper

101 100

85 41.7 33.7 50.5

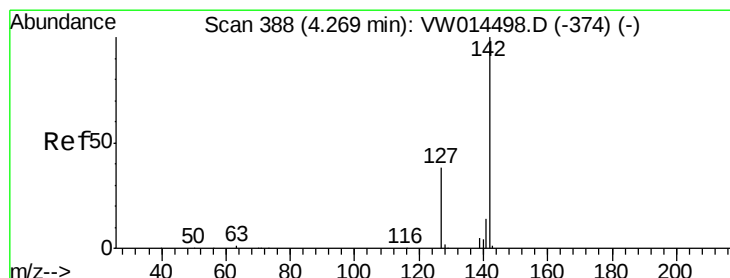
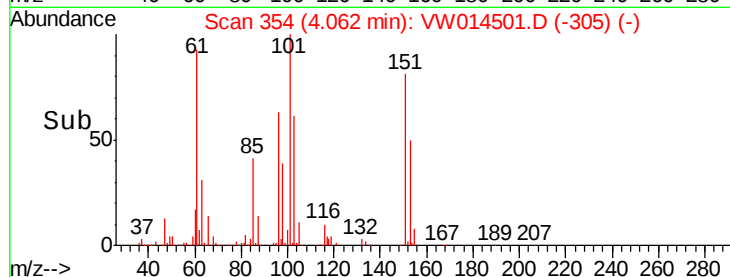
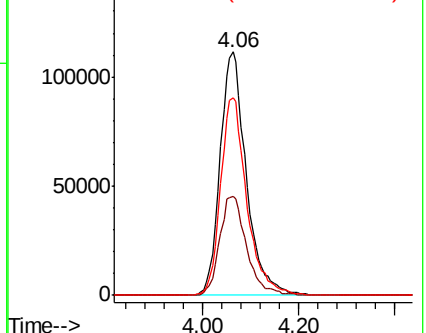
151 81.0 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.438 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

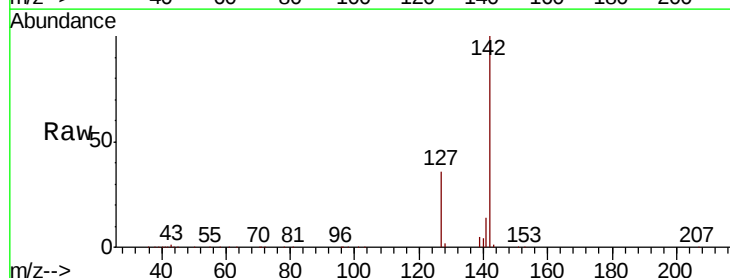
Tgt Ion:142 Resp: 622119

Ion Ratio Lower Upper

142 100

127 38.6 30.2 45.4

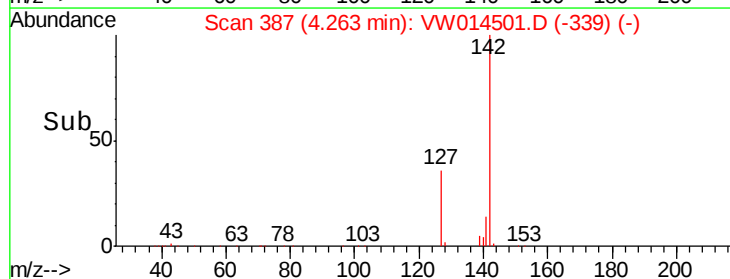
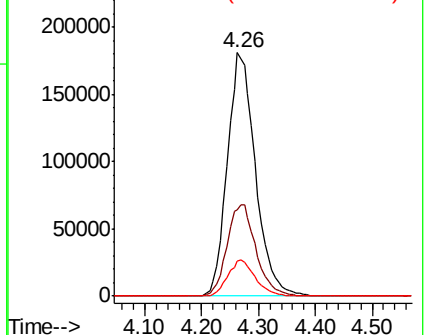
141 14.4 11.4 17.2

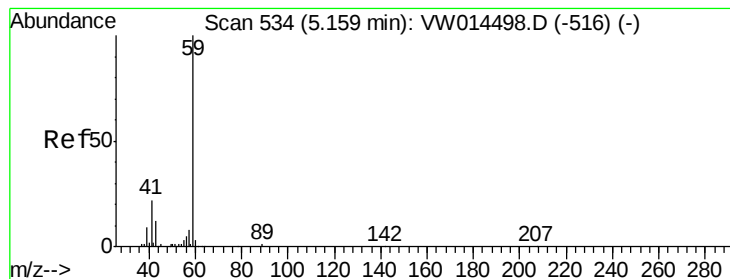


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



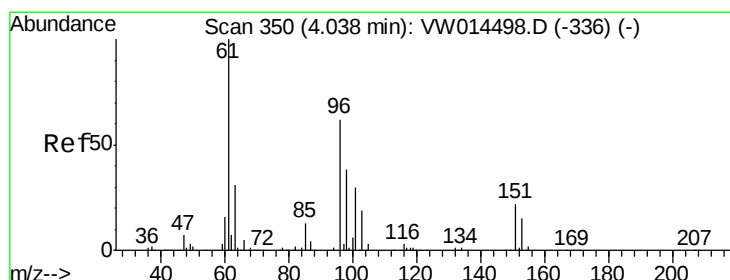
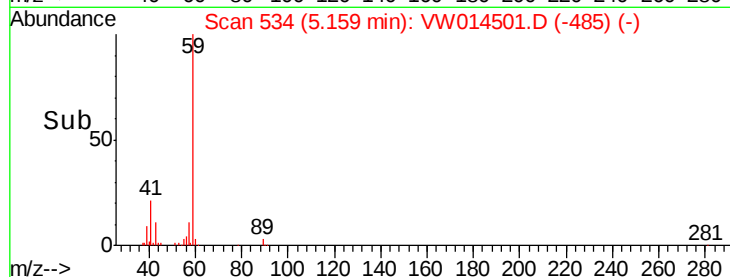
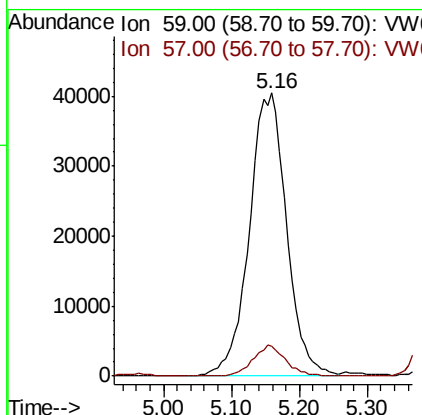
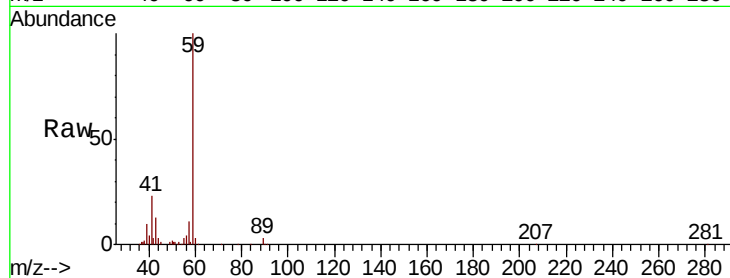


#11

Tert butyl alcohol
 Concen: 273.779 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Instrument :
 MSVOA_W
 ClientSampleId :

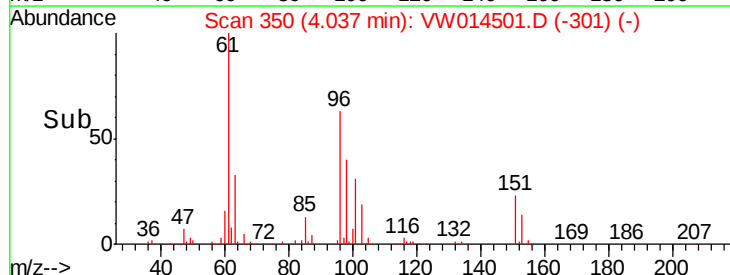
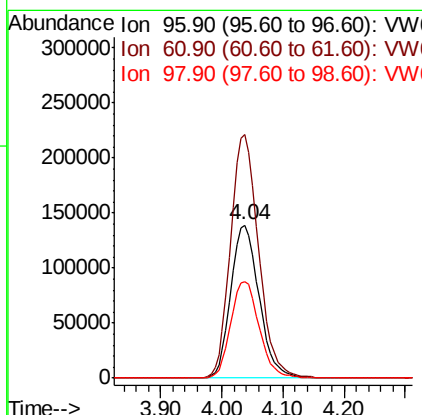
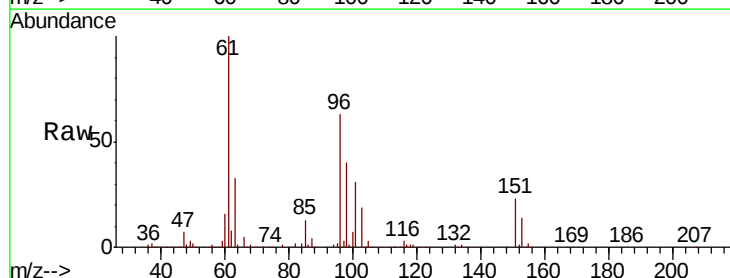
Tot Ion: 59 Resp: 154441
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.8

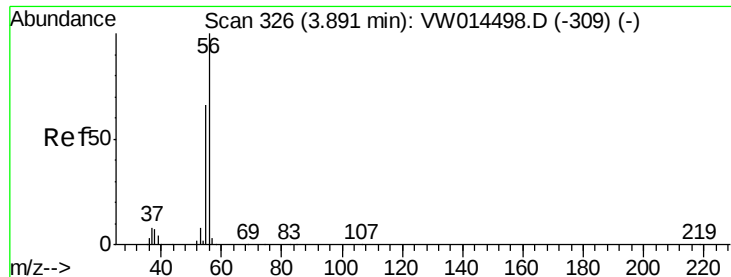


#12

1,1-Dichloroethene
 Concen: 52.812 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 96 Resp: 443320
 Ion Ratio Lower Upper
 96 100
 61 158.8 128.4 192.6
 98 63.1 49.1 73.7





#13

Acrolein

Concen: 259.693 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

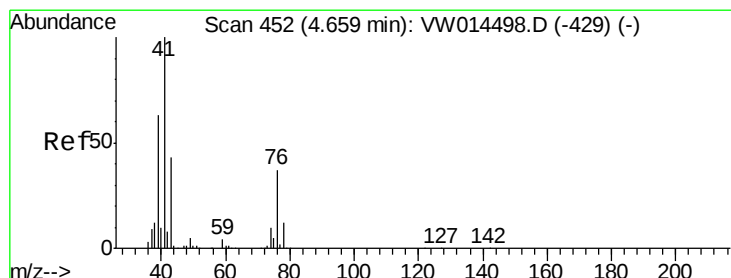
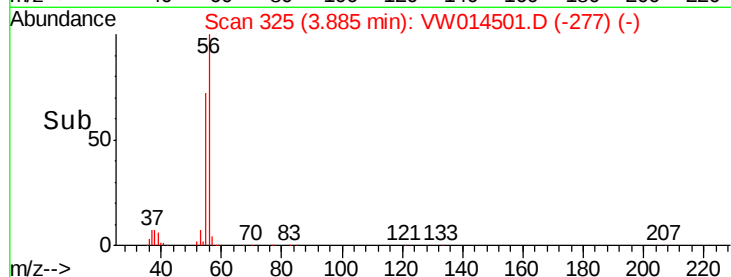
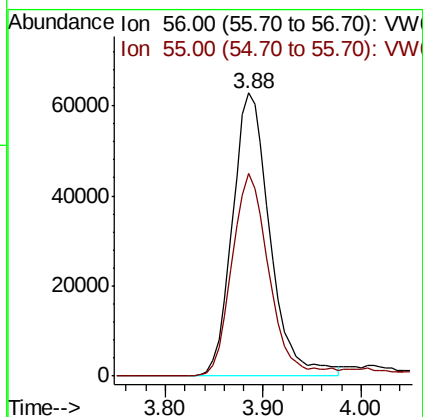
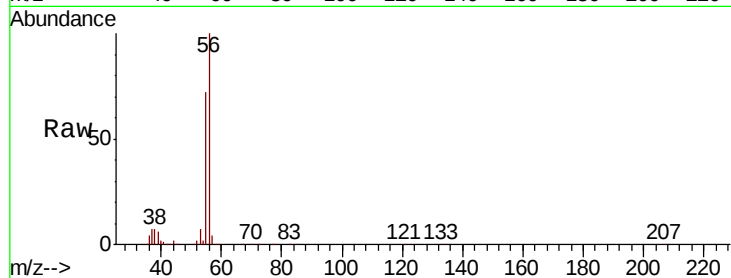
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 167163

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Allyl chloride

Concen: 54.452 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

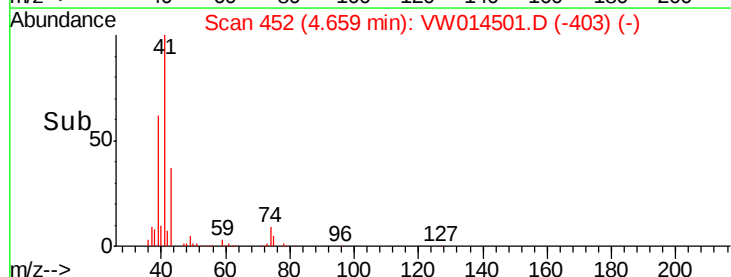
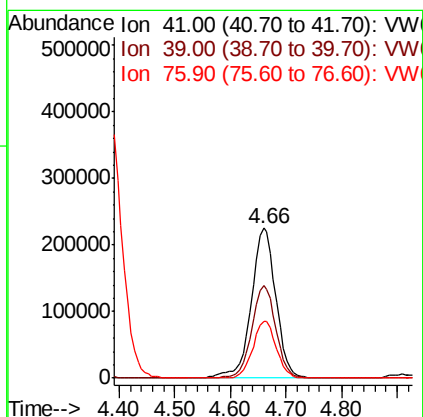
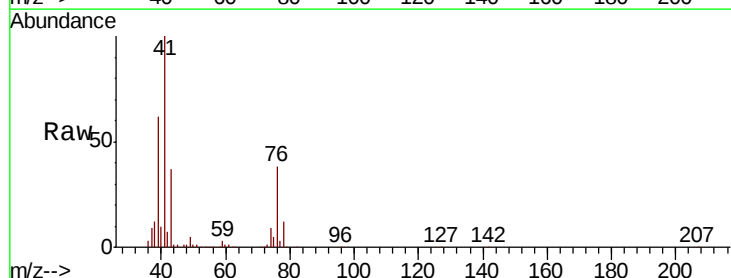
Tgt Ion: 41 Resp: 698503

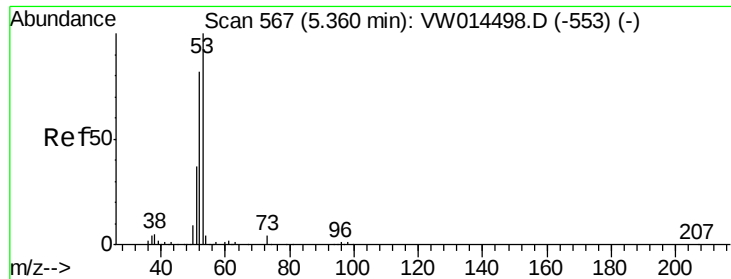
Ion Ratio Lower Upper

41 100

39 60.4 48.5 72.7

76 35.6 28.1 42.1





#15

Acrylonitrile

Concen: 253.920 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

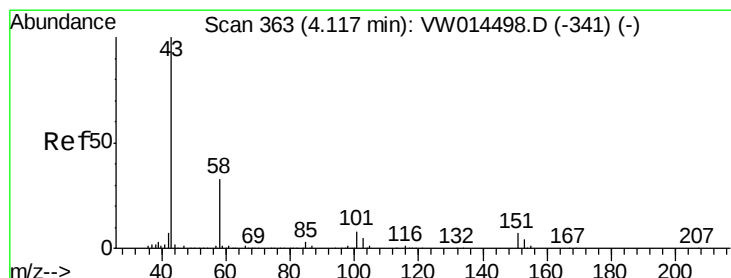
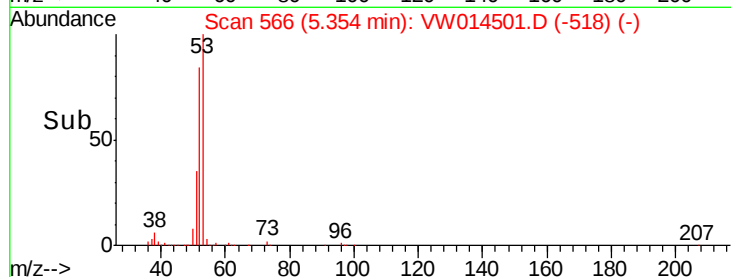
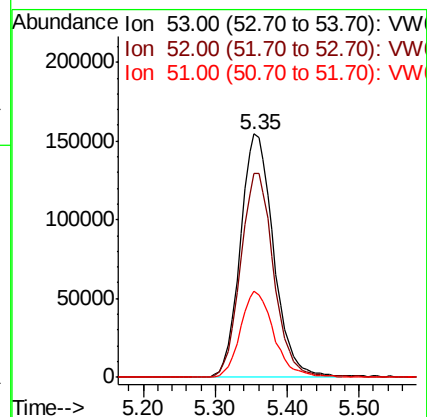
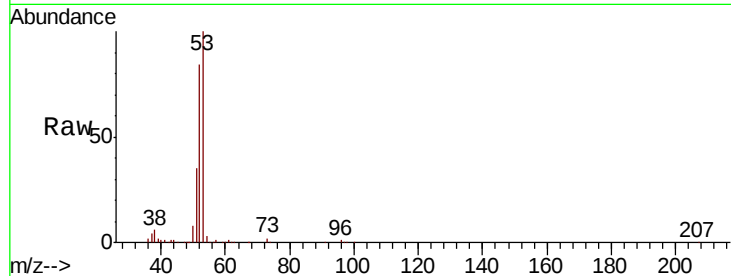
Tot Ion: 53 Resp: 495425

Ion Ratio Lower Upper

53 100

52 83.3 66.5 99.7

51 35.6 28.4 42.6



#16

Acetone

Concen: 269.539 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014501.D

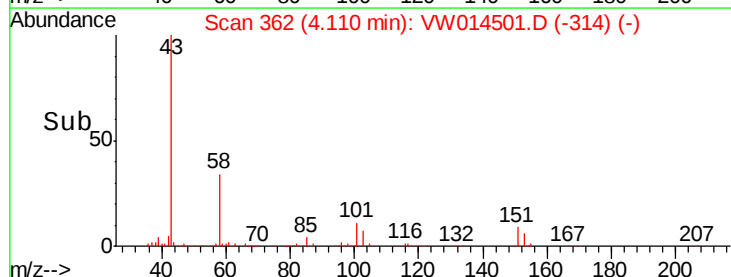
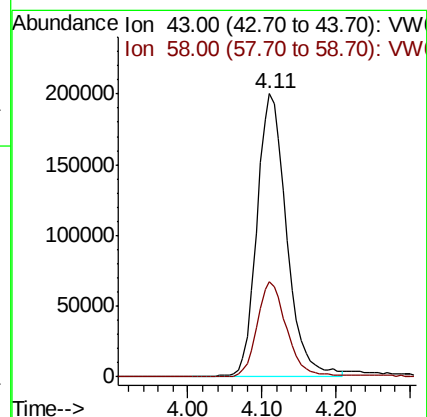
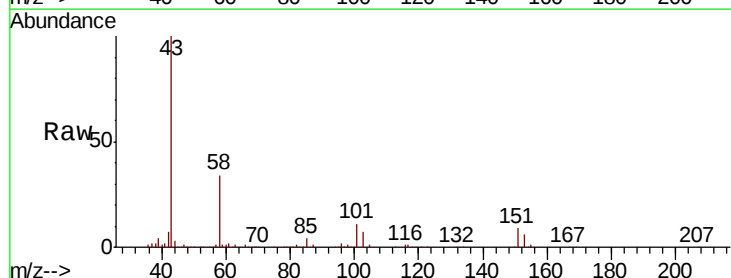
Acq: 03 Jan 2020 16:19

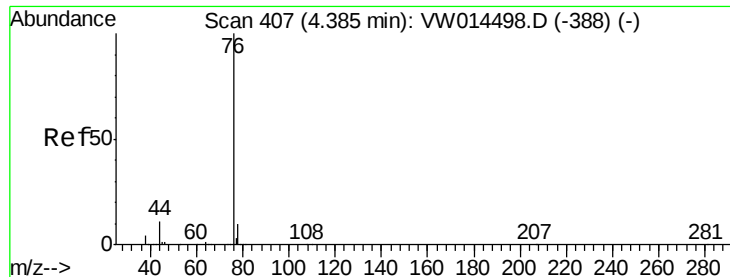
Tgt Ion: 43 Resp: 561303

Ion Ratio Lower Upper

43 100

58 33.7 26.6 39.8





#17

Carbon Disulfide

Concen: 52.775 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

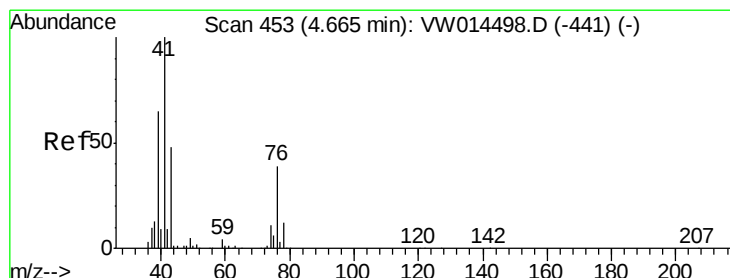
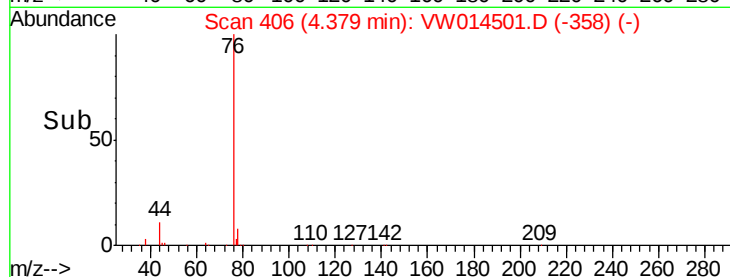
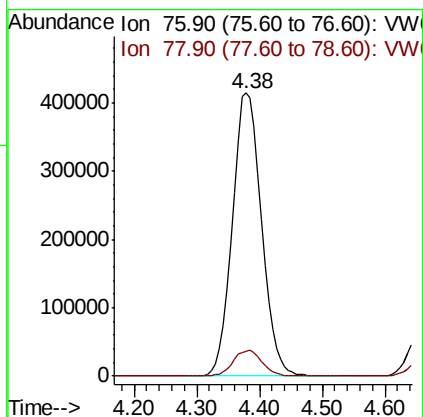
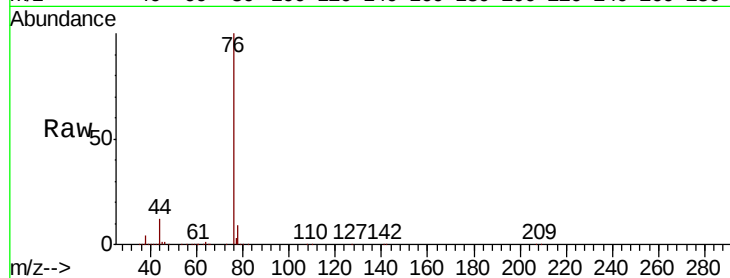
ClientSampleId :

Tot Ion: 76 Resp: 1335211

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.6



#18

Methyl Acetate

Concen: 49.242 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014501.D

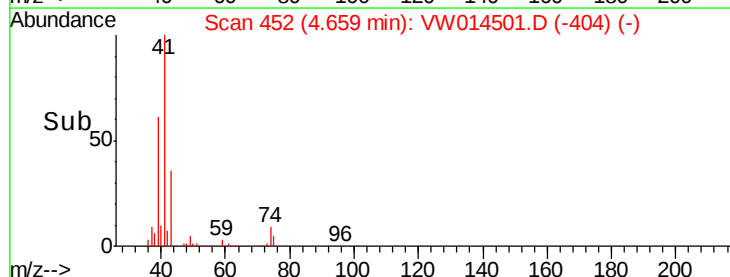
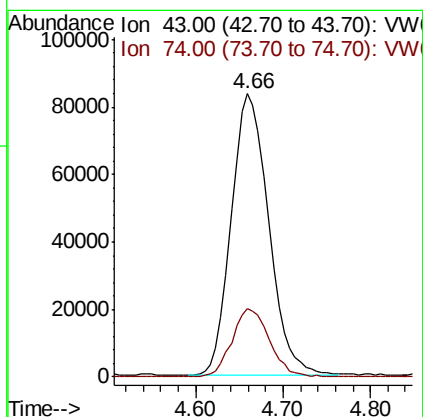
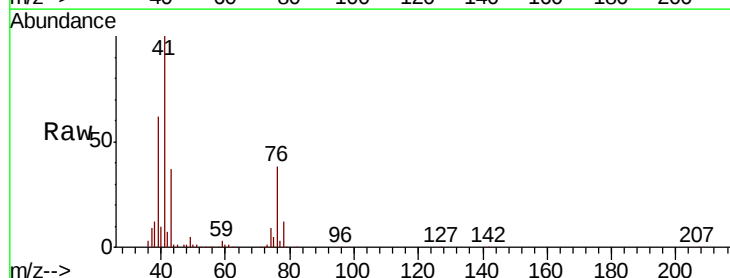
Acq: 03 Jan 2020 16:19

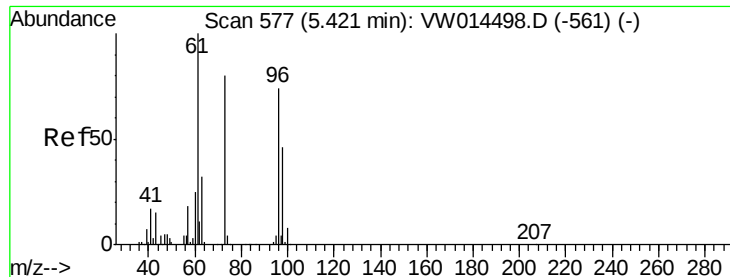
Tgt Ion: 43 Resp: 247656

Ion Ratio Lower Upper

43 100

74 24.3 19.3 28.9

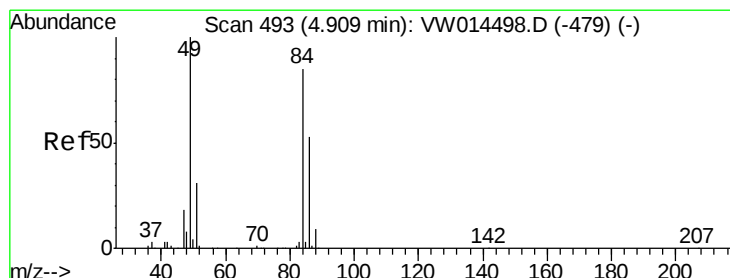
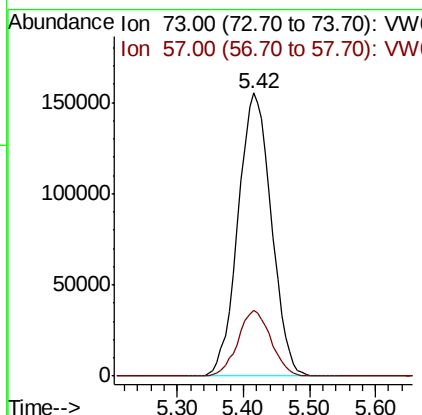
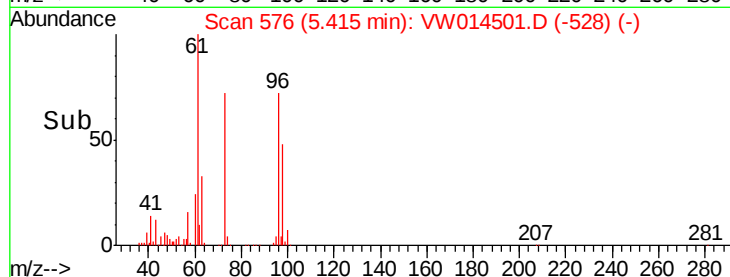
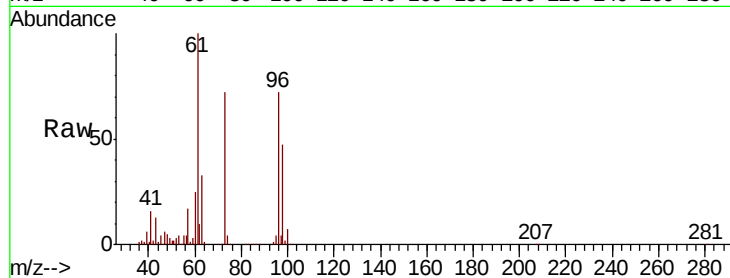




#19
Methvl tert-butvl Ether
Concen: 52.160 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

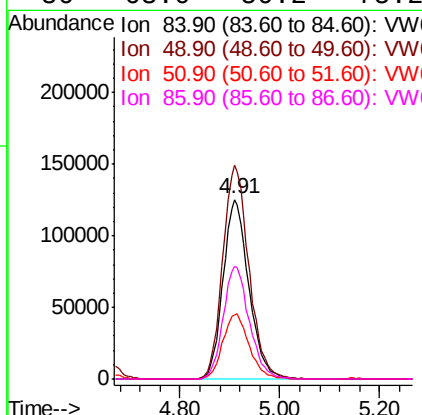
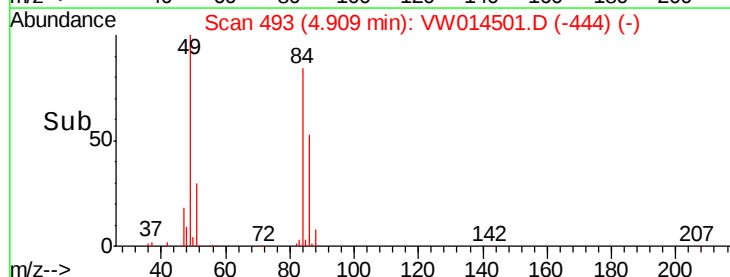
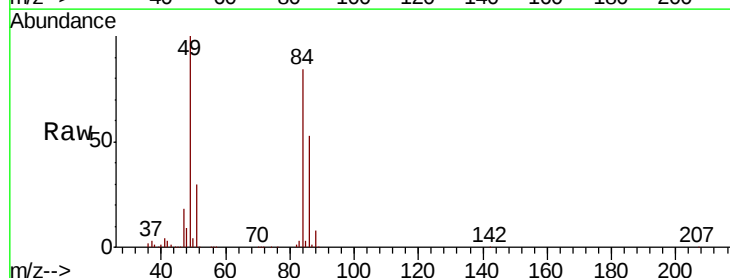
Instrument :
MSVOA_W
ClientSampleId :

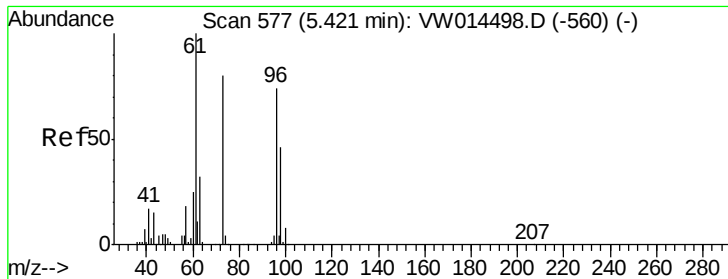
Tot Ion: 73 Resp: 543504
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1



#20
Methylene Chloride
Concen: 53.626 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 84 Resp: 448925
Ion Ratio Lower Upper
84 100
49 119.0 94.4 141.6
51 35.9 29.5 44.3
86 63.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 52.596 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

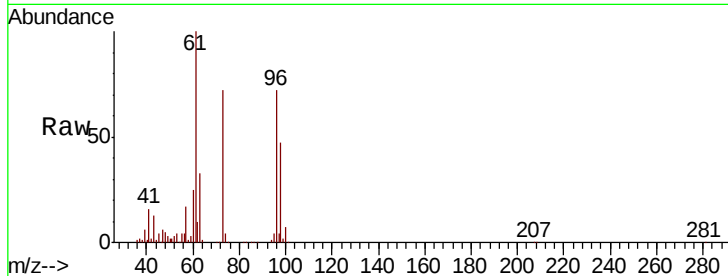
Tot Ion: 96 Resp: 468801

Ion Ratio Lower Upper

96 100

61 139.1 107.8 161.6

98 66.0 49.4 74.0

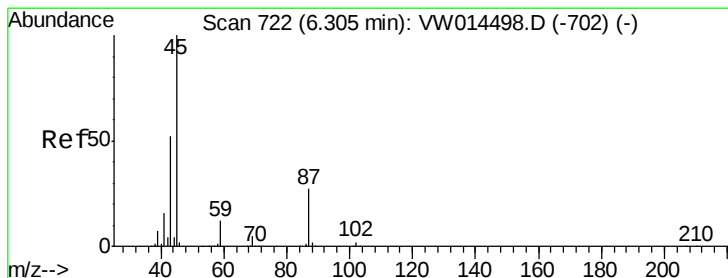
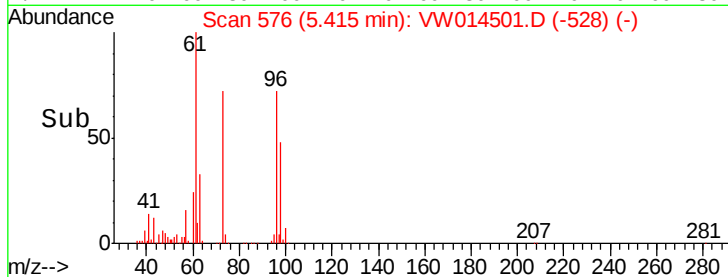
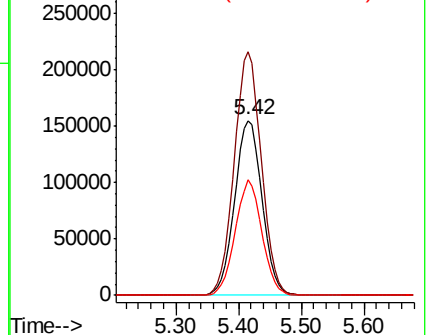


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.250 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Tgt Ion: 45 Resp: 1254537

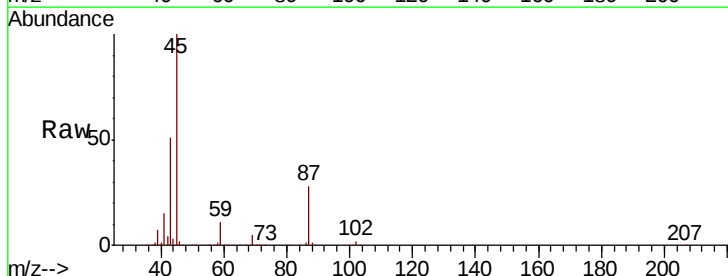
Ion Ratio Lower Upper

45 100

43 50.7 41.4 62.0

87 27.7 22.2 33.2

59 11.3 9.5 14.3



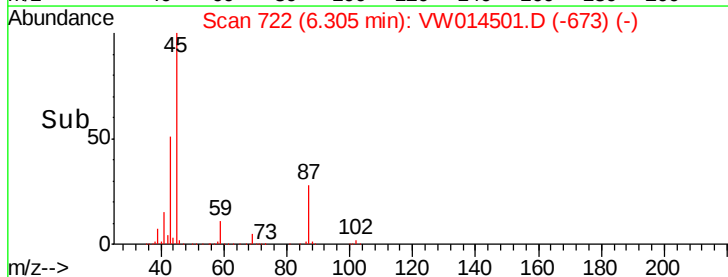
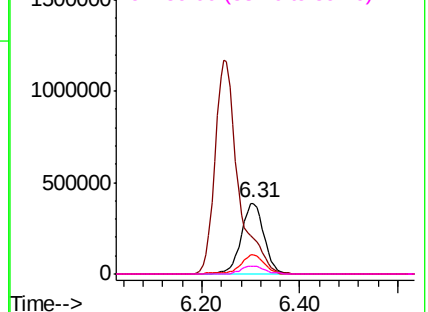
Abundance

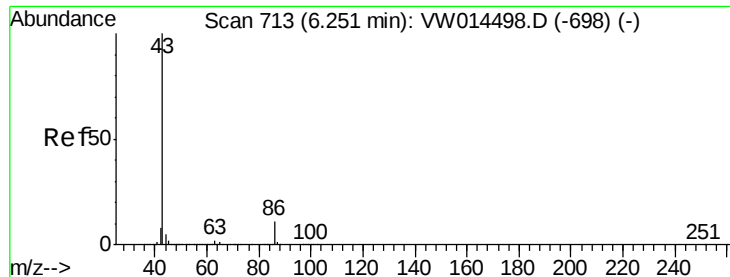
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 264.921 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

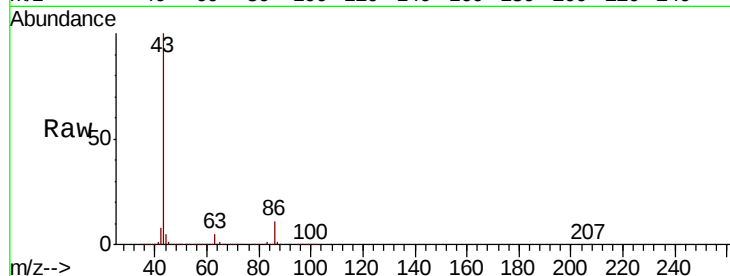
ClientSampleId :

Tot Ion: 43 Resp: 3841038

Ion Ratio Lower Upper

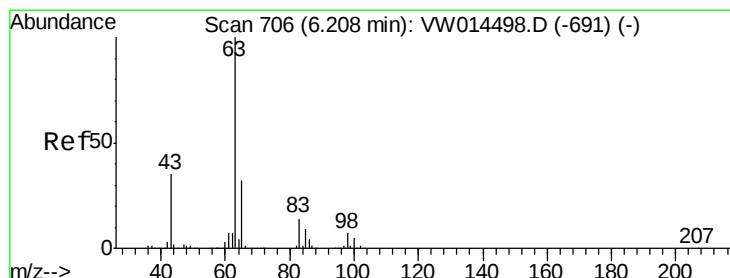
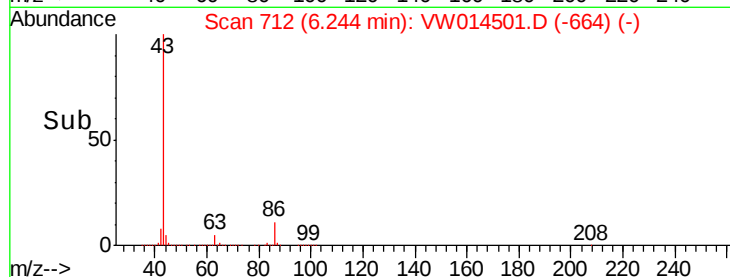
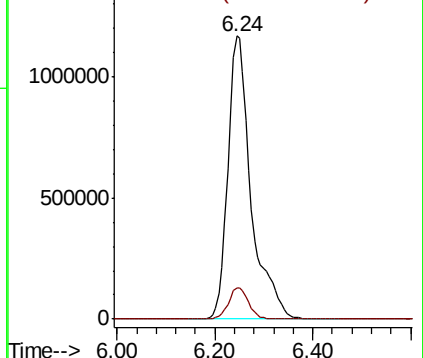
43 100

86 11.0 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: 52.128 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

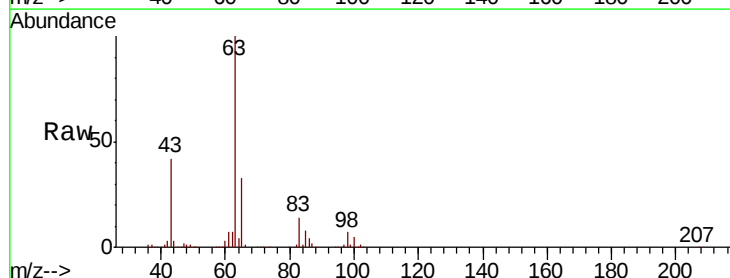
Tgt Ion: 63 Resp: 789505

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

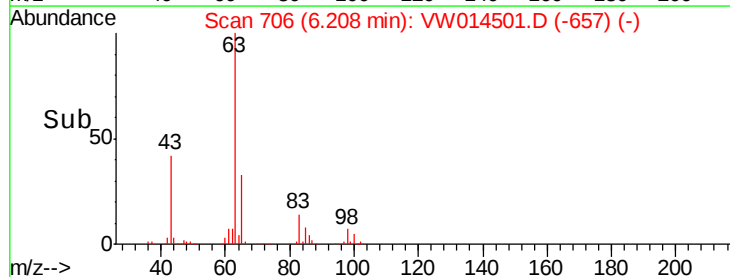
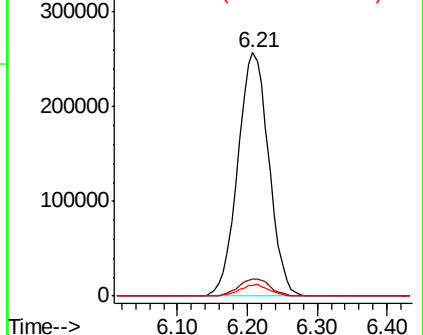
100 4.6 2.5 7.4

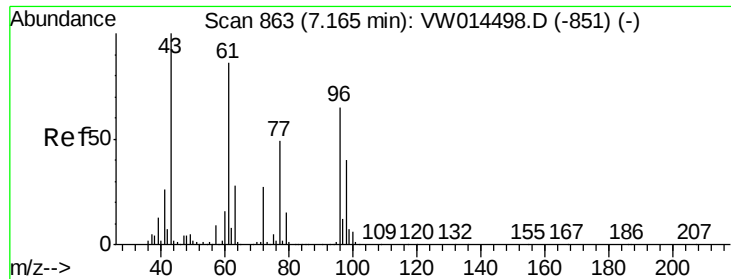


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

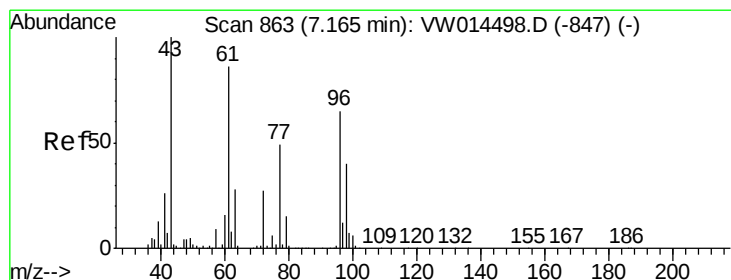
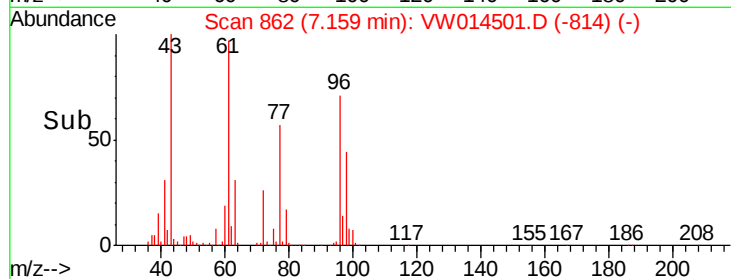
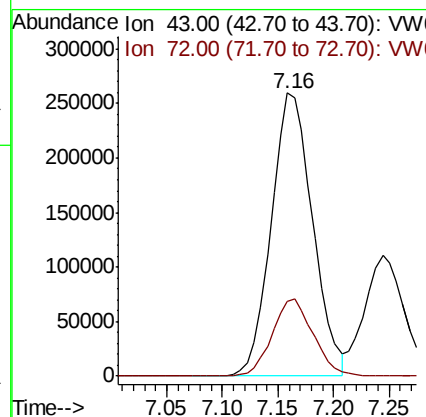
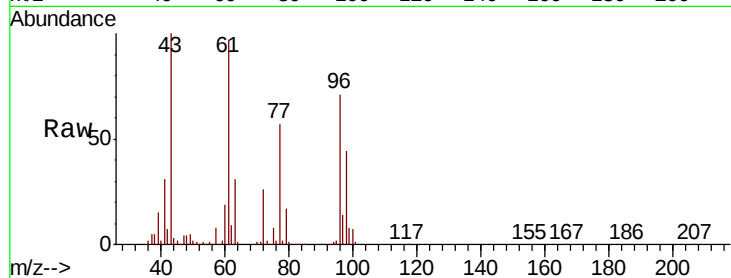




#25
2-Butanone
Concen: 250.793 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

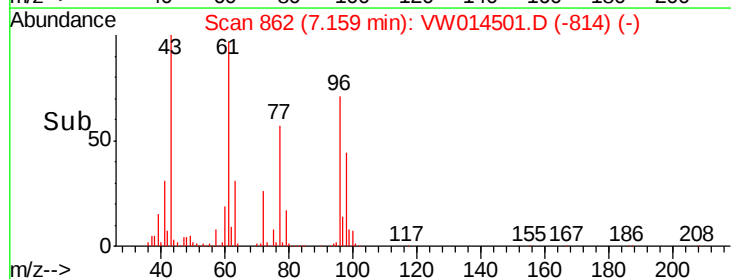
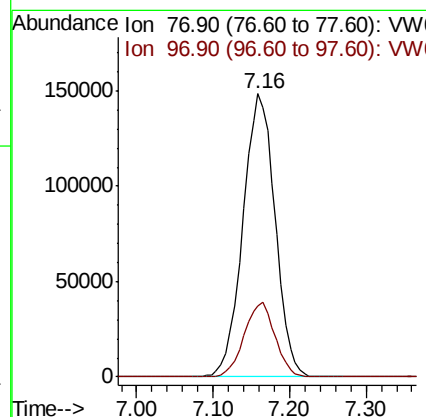
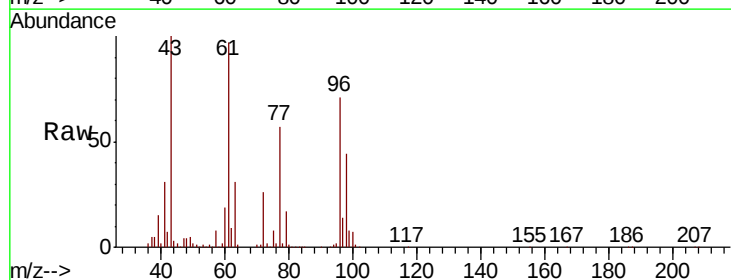
Instrument :
MSVOA_W
ClientSampled :

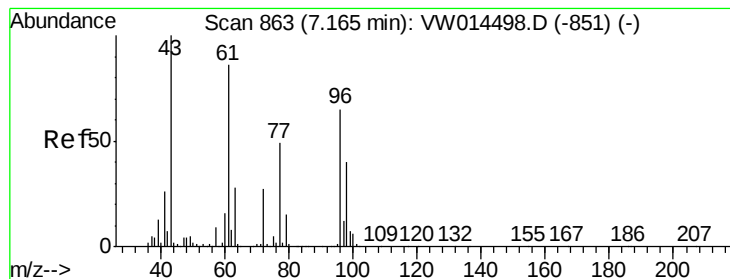
Tot Ion: 43 Resp: 670236
Ion Ratio Lower Upper
43 100
72 26.4 21.9 32.9



#26
2,2-Dichloropropane
Concen: 51.648 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 77 Resp: 433076
Ion Ratio Lower Upper
77 100
97 25.2 12.5 37.5



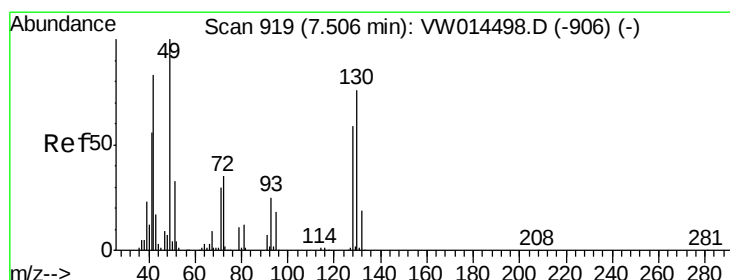
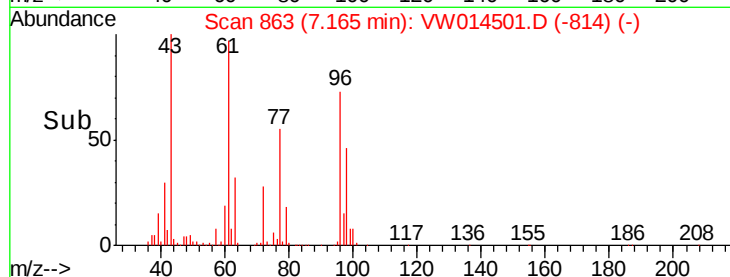
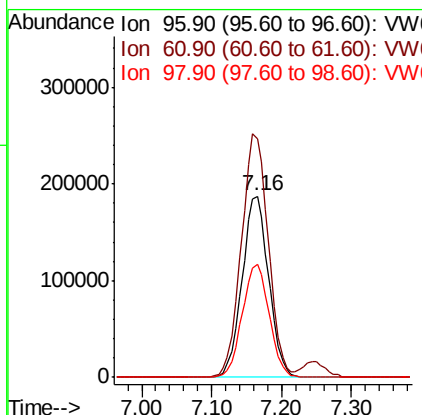
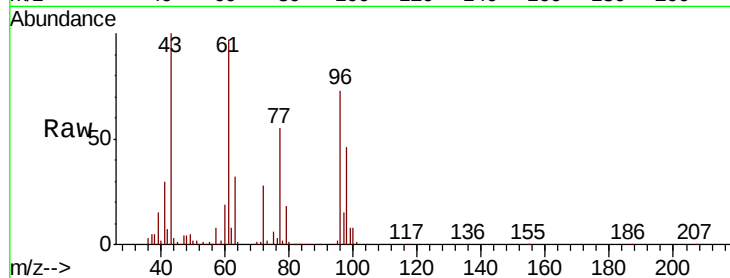


#27

cis-1,2-Dichloroethene
Concen: 52.634 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Instrument :
MSVOA_W
ClientSampled :

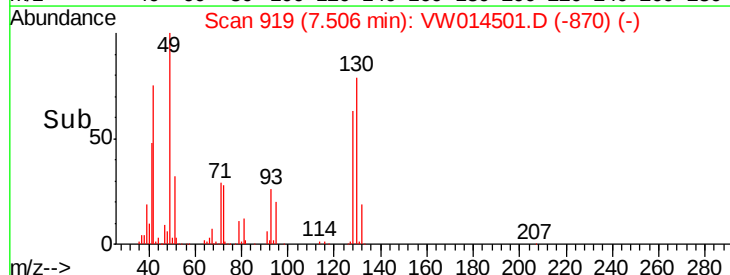
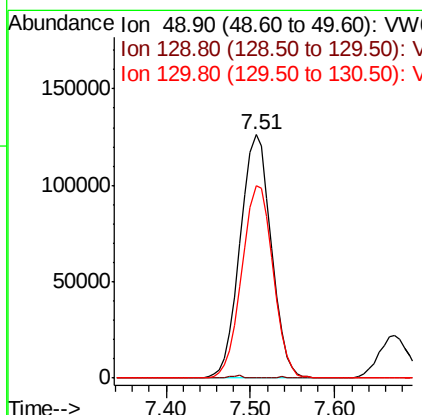
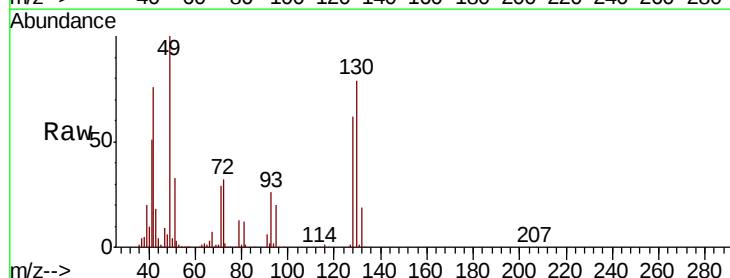
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	274.8
98	63.5	0.0	128.6

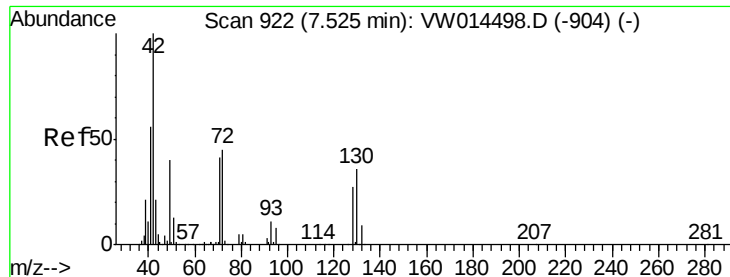


#28

Bromochloromethane
Concen: 53.050 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.0
130	79.5	62.5	93.7





#29

Tetrahydrofuran

Concen: 246.518 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

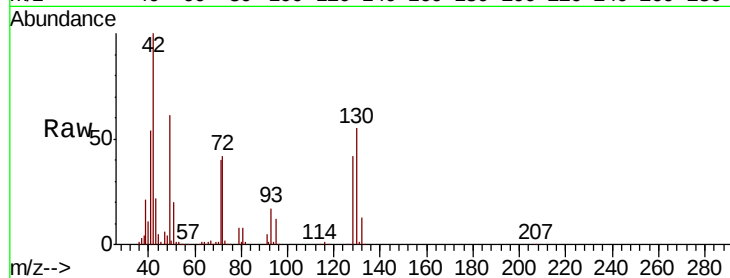
Tot Ion: 42 Resp: 408138

Ion Ratio Lower Upper

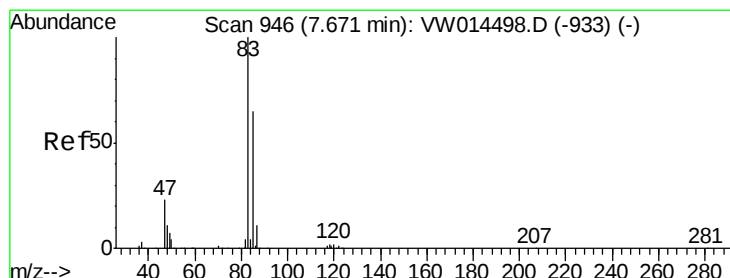
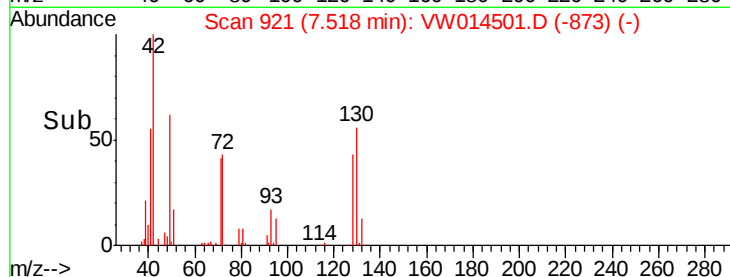
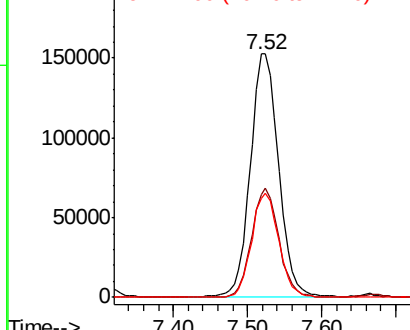
42 100

72 43.0 34.5 51.7

71 41.3 32.0 48.0



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



#30

Chloroform

Concen: 51.590 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014501.D

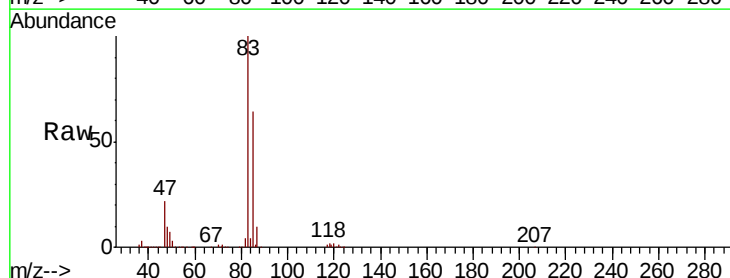
Acq: 03 Jan 2020 16:19

Tgt Ion: 83 Resp: 730669

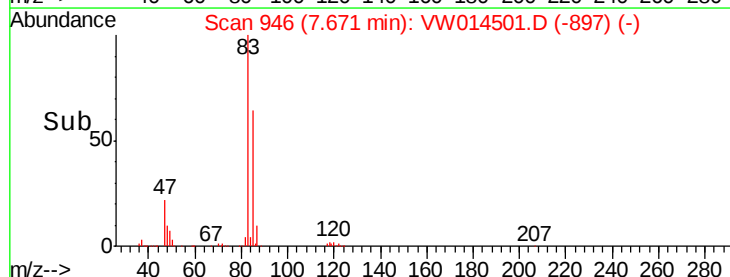
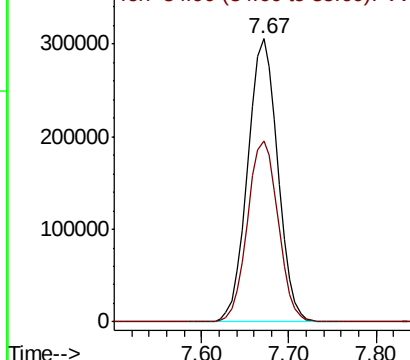
Ion Ratio Lower Upper

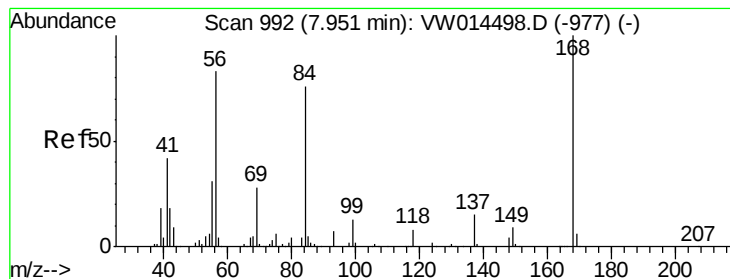
83 100

85 64.2 52.2 78.2



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





#31

Cyclohexane

Concen: 50.596 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

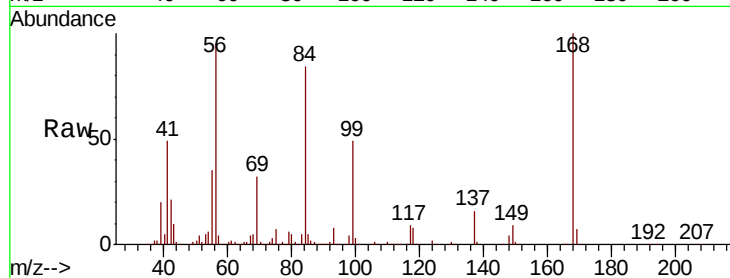
Tot Ion: 56 Resp: 796368

Ion Ratio Lower Upper

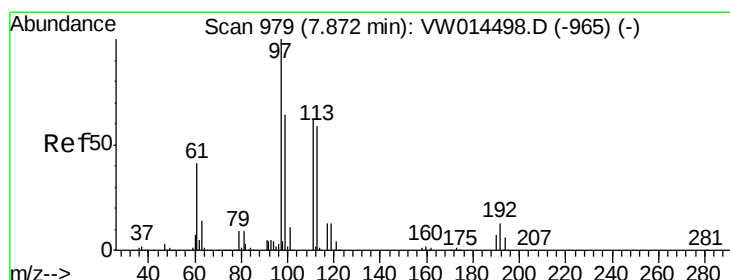
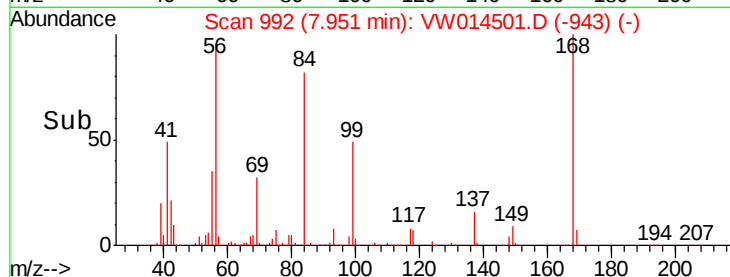
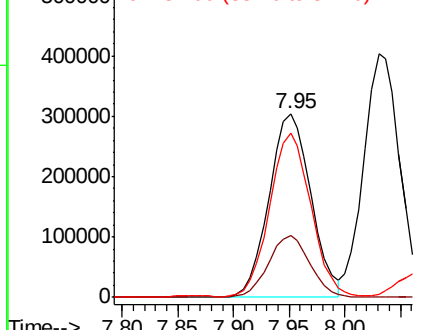
56 100

69 33.5 26.8 40.2

84 88.0 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: 52.834 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

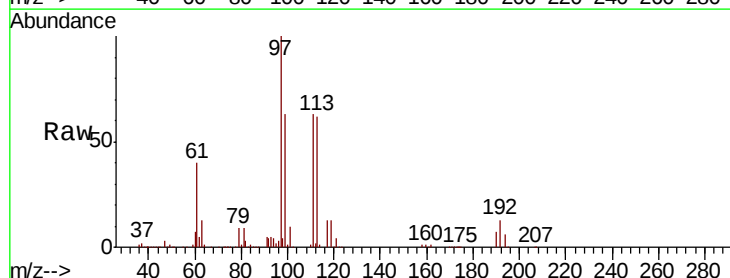
Tgt Ion: 97 Resp: 601816

Ion Ratio Lower Upper

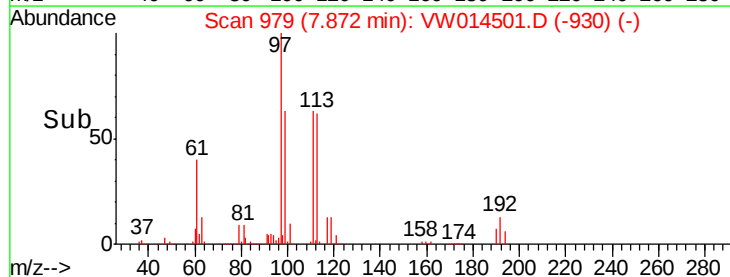
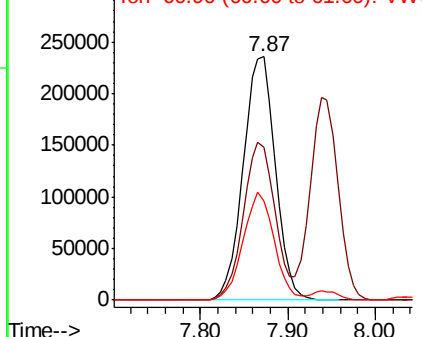
97 100

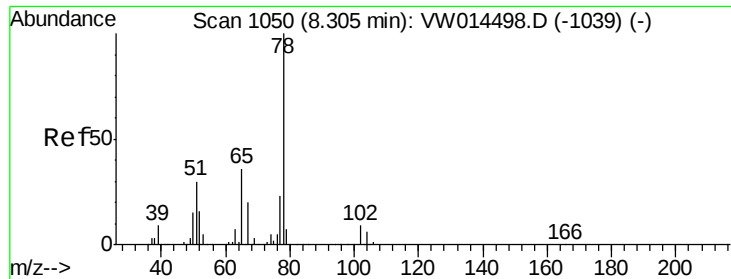
99 63.6 51.8 77.6

61 42.6 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 50.149 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

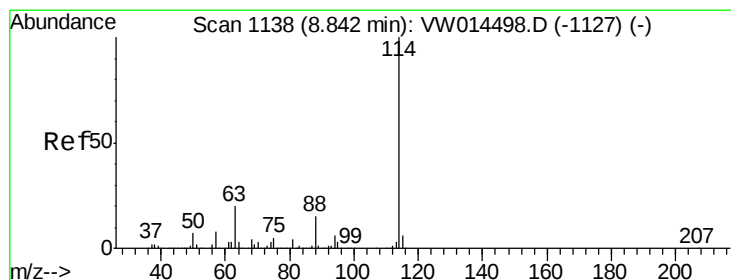
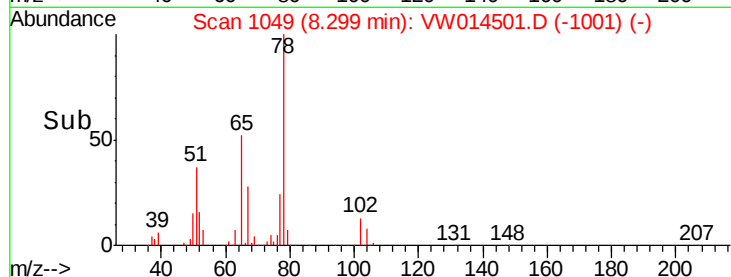
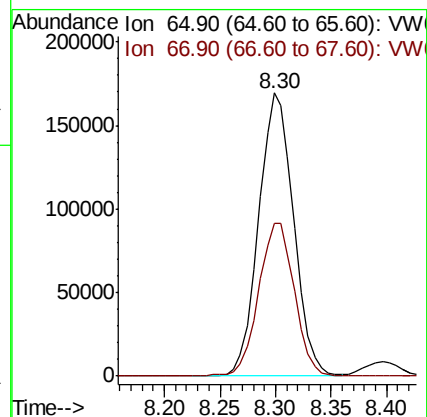
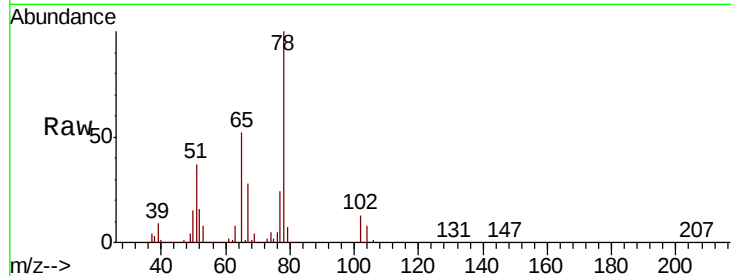
ClientSampleId :

Tot Ion: 65 Resp: 369851

Ion Ratio Lower Upper

65 100

67 55.4 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

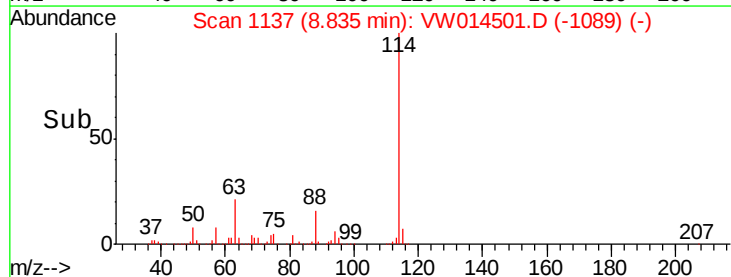
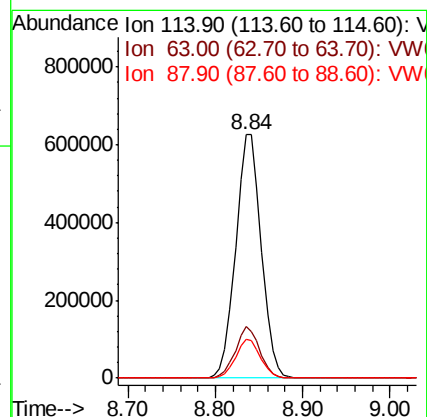
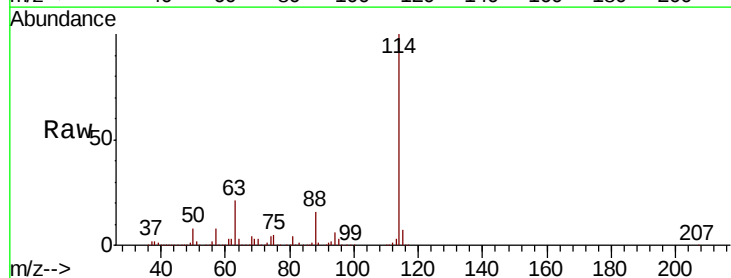
Tgt Ion: 114 Resp: 1269257

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

88 16.1 0.0 30.6

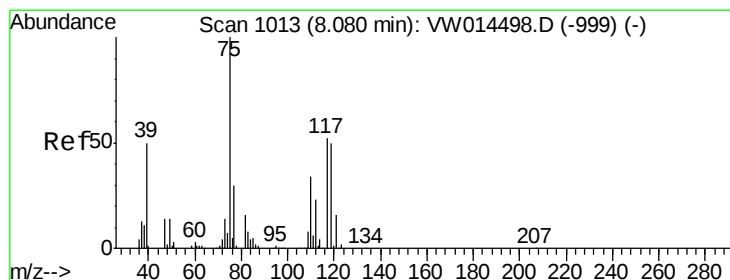
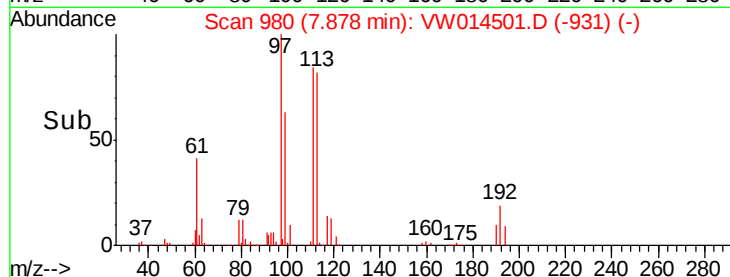
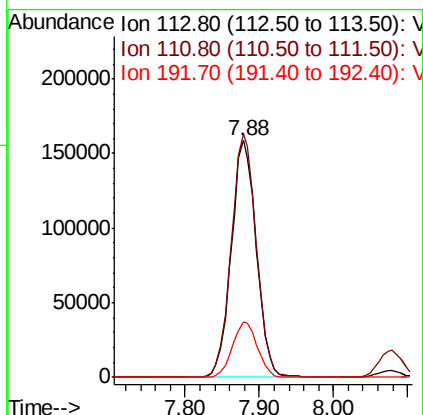
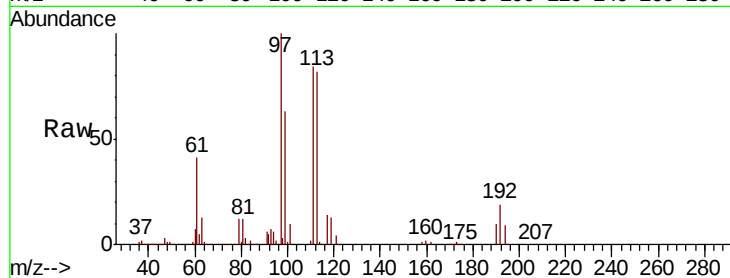




#35
 Dibromofluoromethane
 Concen: 51.383 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

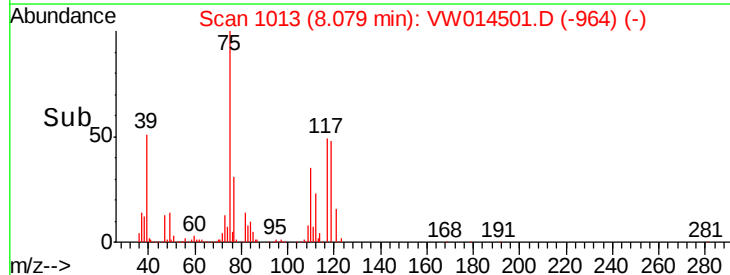
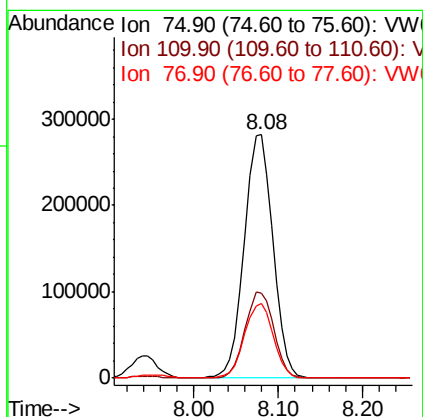
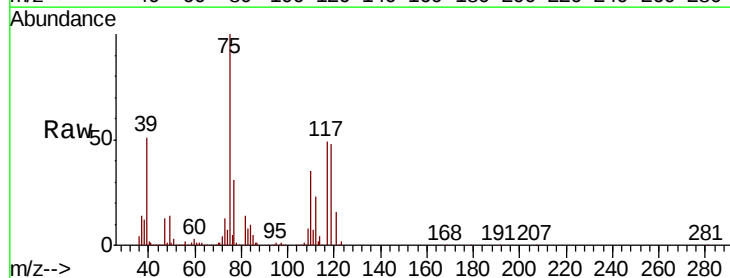
Instrument :
 MSVOA_W
 ClientSampleId :

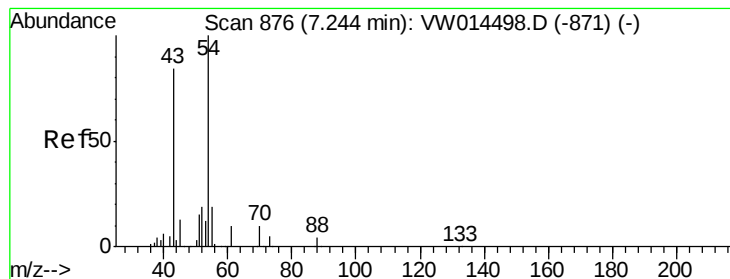
Tot Ion:113 Resp: 372731
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.2
 192 23.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 52.918 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 75 Resp: 647512
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.8 53.5
 77 30.7 24.7 37.1





#37

Ethyl Acetate

Concen: 50.321 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

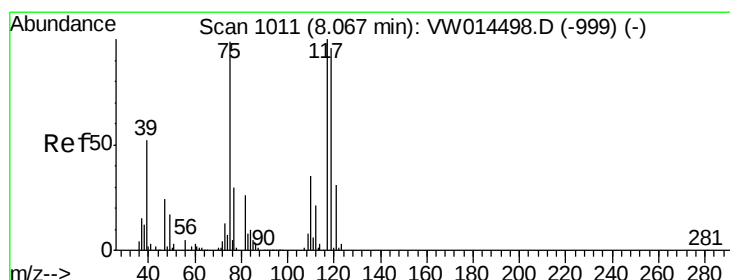
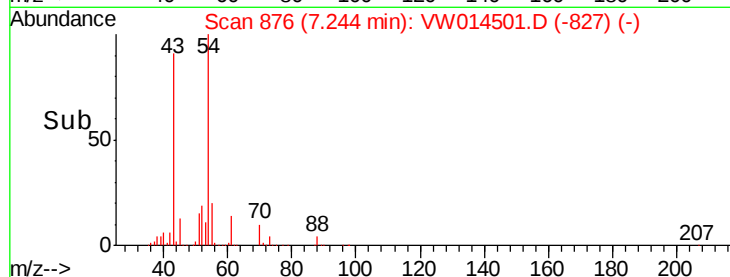
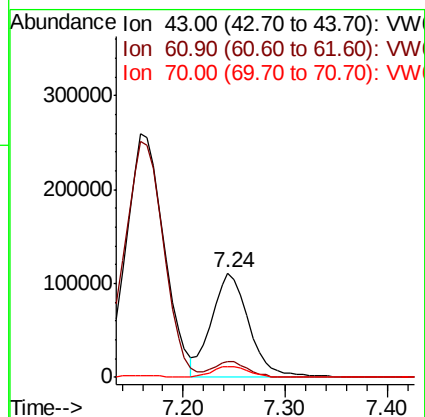
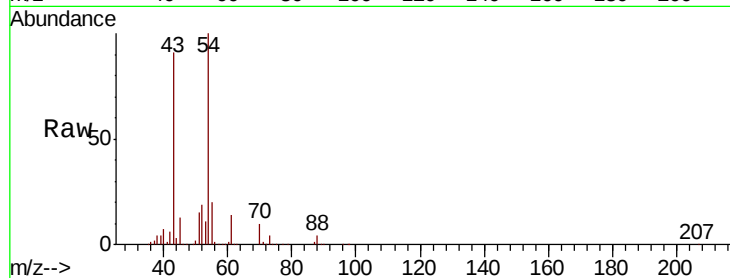
Tot Ion: 43 Resp: 279258

Ion Ratio Lower Upper

43 100

61 13.6 11.7 17.5

70 10.8 9.0 13.6



#38

Carbon Tetrachloride

Concen: 53.131 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

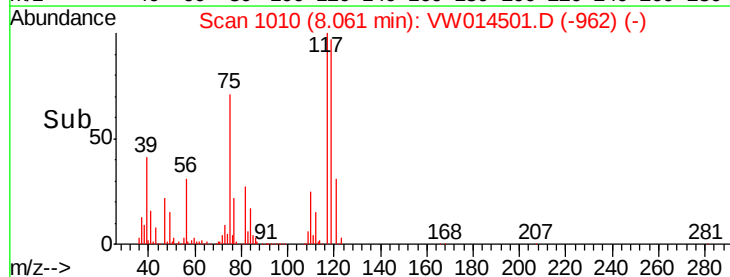
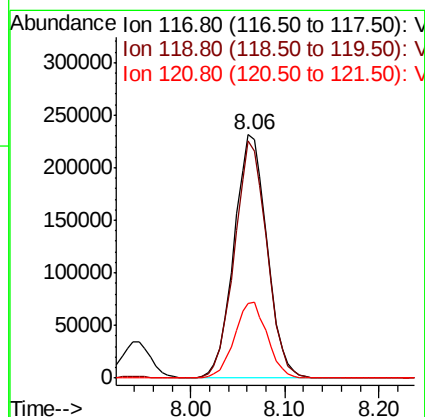
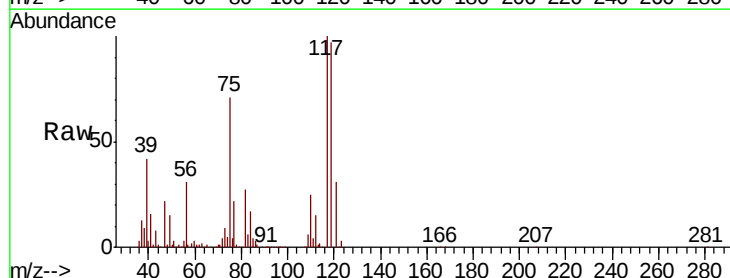
Tgt Ion: 117 Resp: 564023

Ion Ratio Lower Upper

117 100

119 97.4 77.0 115.6

121 30.7 24.6 36.8

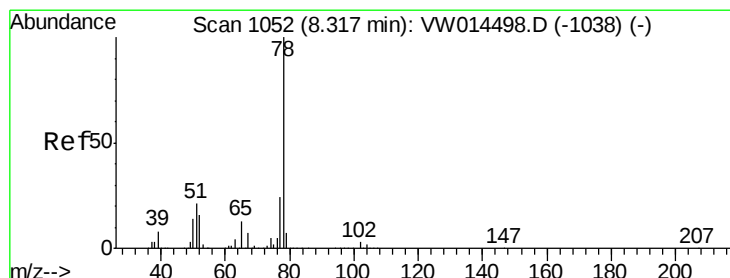
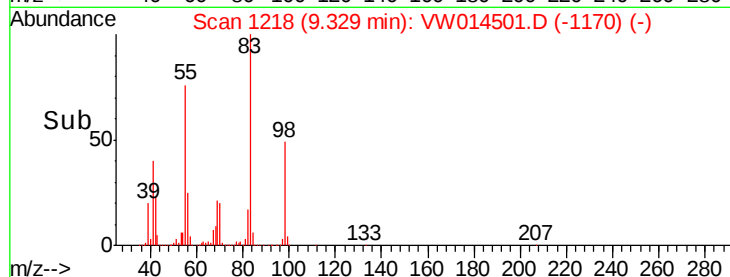
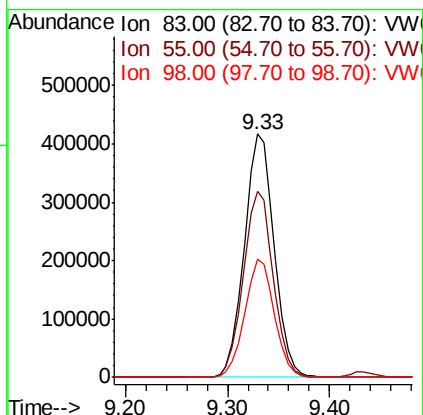
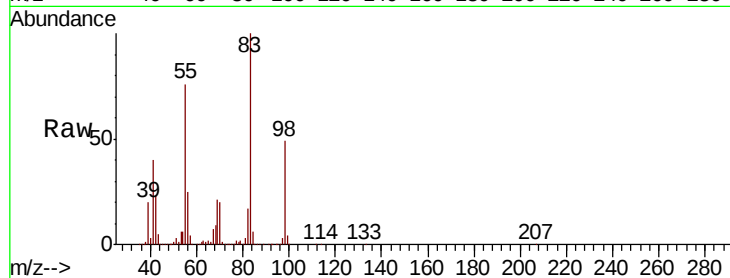




#39
Methvlcvclohexane
Concen: 54.089 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

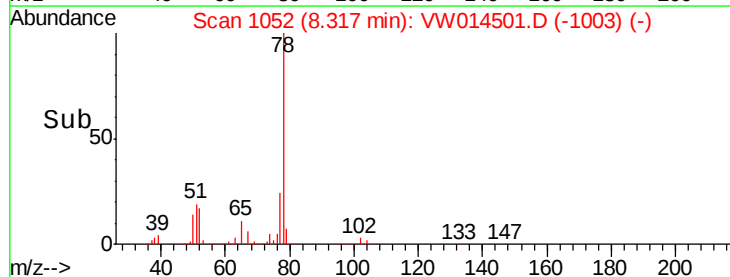
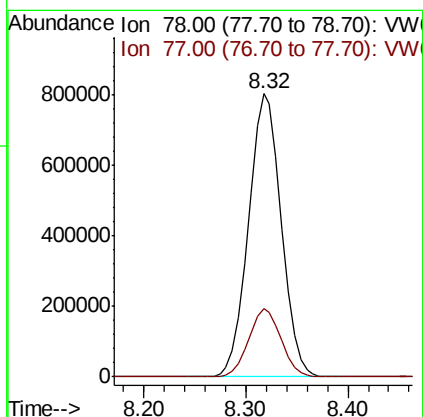
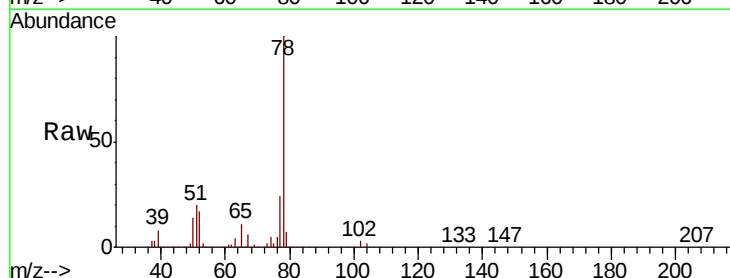
Instrument :
MSVOA_W
ClientSampleId :

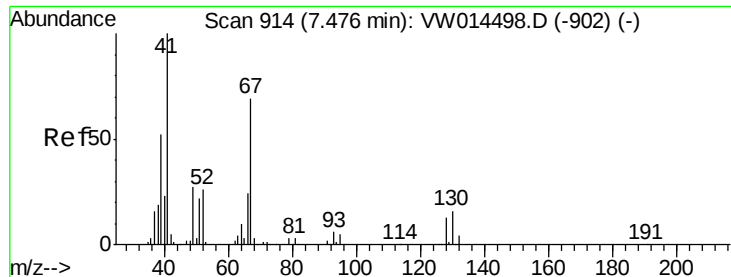
Tot Ion: 83 Resp: 849345
Ion Ratio Lower Upper
83 100
55 76.2 60.1 90.1
98 48.6 38.8 58.2



#40
Benzene
Concen: 51.826 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 78 Resp: 1794257
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9

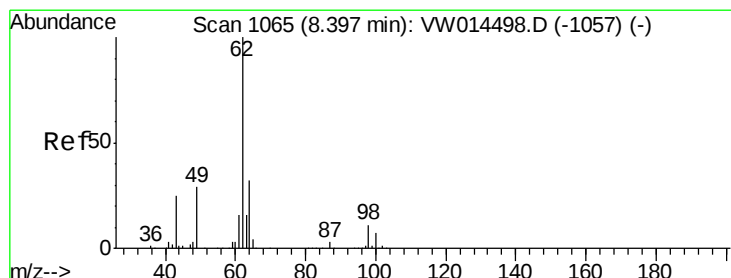
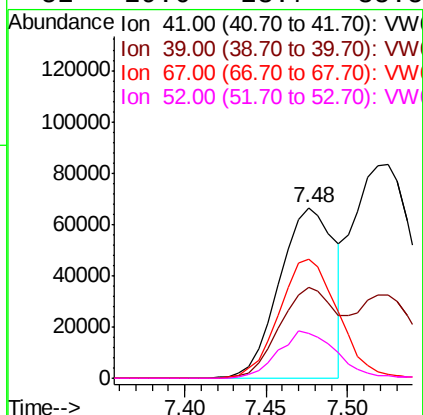
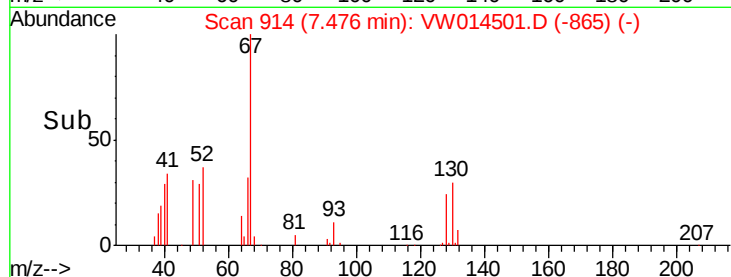
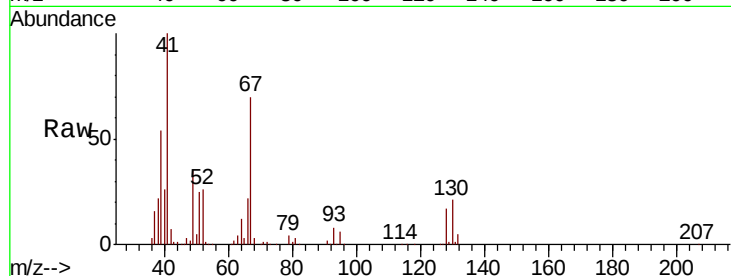




#41
Methacrylonitrile
Concen: 50.409 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

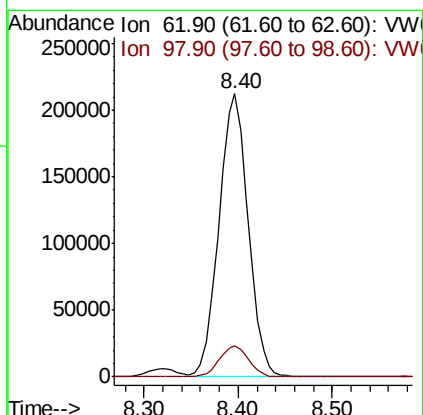
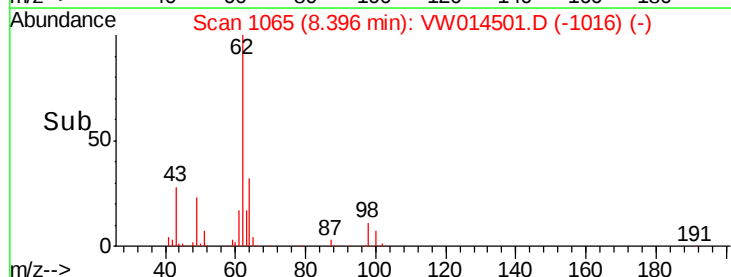
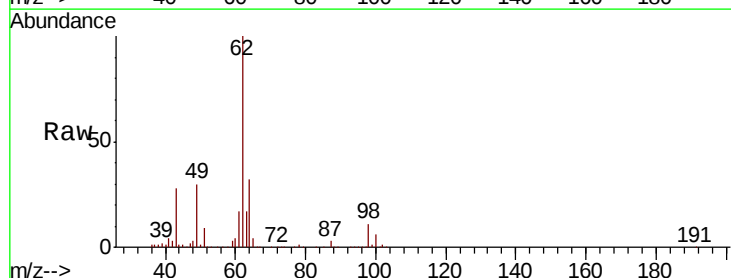
Instrument :
MSVOA_W
ClientSampled :

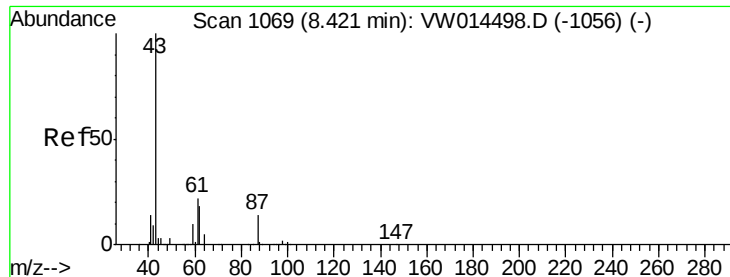
Tot Ion:	41	Resp:	155941
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.0	69.0
67	75.3	60.8	91.2
52	29.6	23.7	35.5



#42
1,2-Dichloroethane
Concen: 50.602 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion:	62	Resp:	454629
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43

Isopropyl Acetate

Concen: 50.240 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

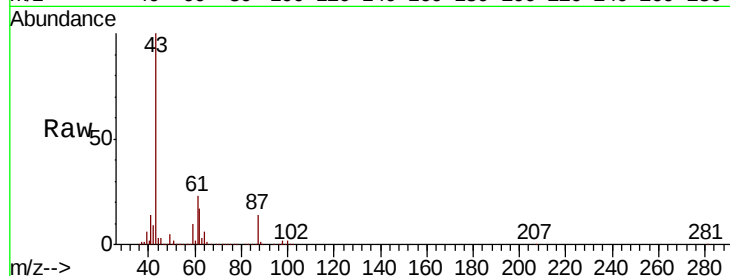
Tot Ion: 43 Resp: 506288

Ion Ratio Lower Upper

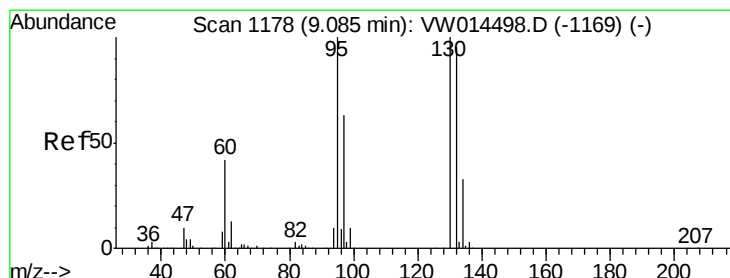
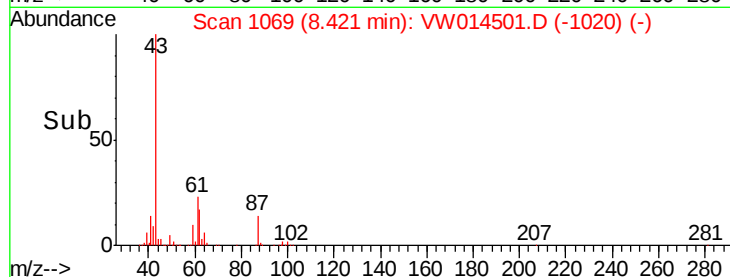
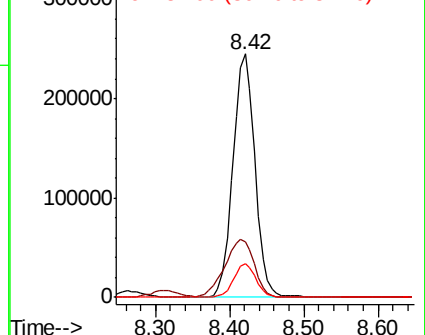
43 100

61 31.3 24.7 37.1

87 13.9 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: 52.431 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014501.D

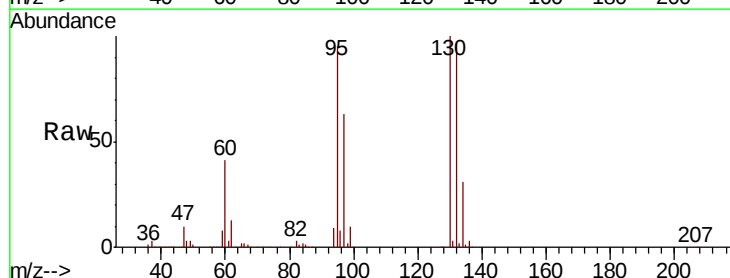
Acq: 03 Jan 2020 16:19

Tgt Ion: 130 Resp: 491178

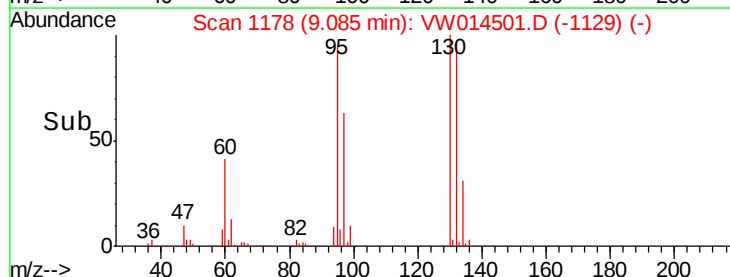
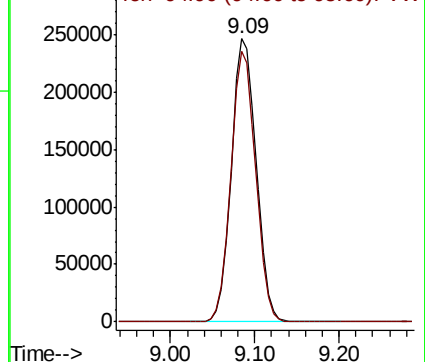
Ion Ratio Lower Upper

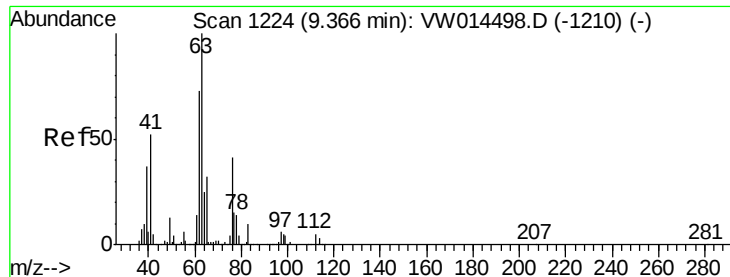
130 100

95 95.4 0.0 199.4



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

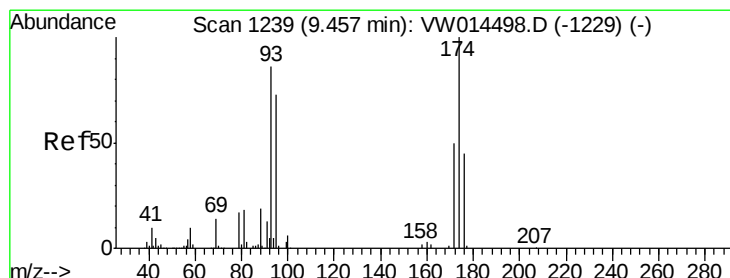
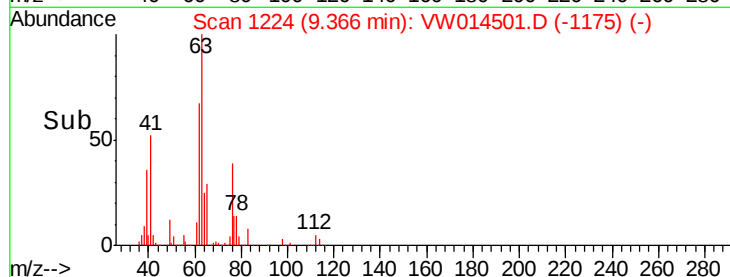
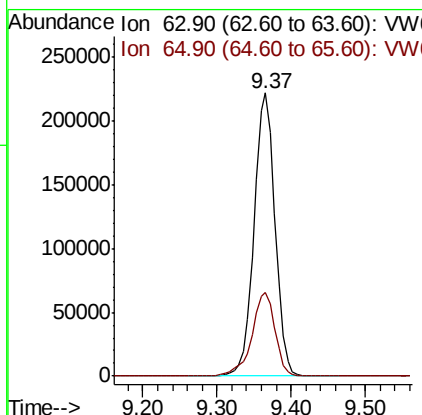
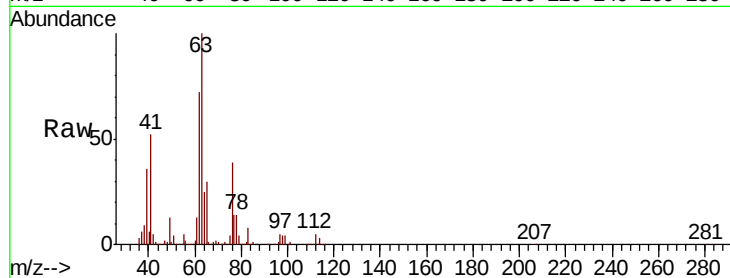




#45
 1,2-Dichloropropane
 Concen: 51.563 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

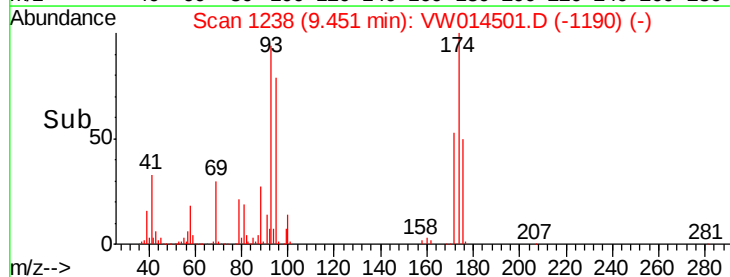
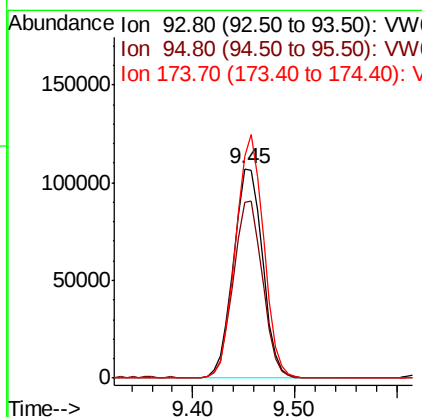
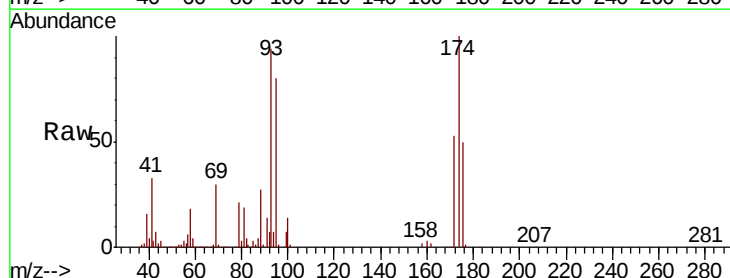
Instrument :
 MSVOA_W
 ClientSampled :

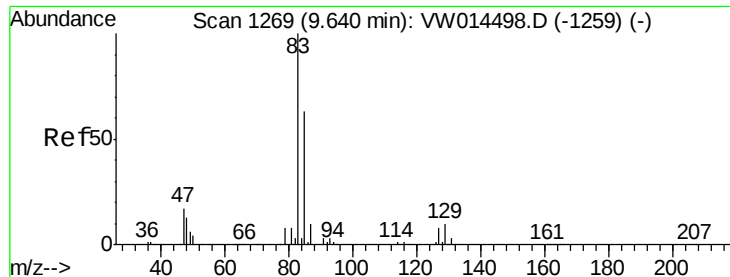
Tot Ion: 63 Resp: 438052
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.6 38.4



#46
 Dibromomethane
 Concen: 50.775 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 93 Resp: 212949
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.4 99.6
 174 111.5 89.1 133.7





#47

Bromodichloromethane

Concen: 52.242 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

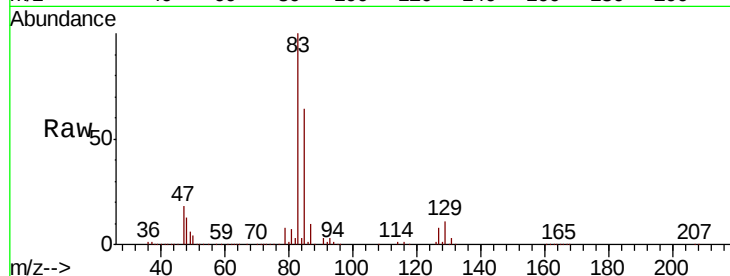
Tot Ion: 83 Resp: 540936

Ion Ratio Lower Upper

83 100

85 64.2 50.6 76.0

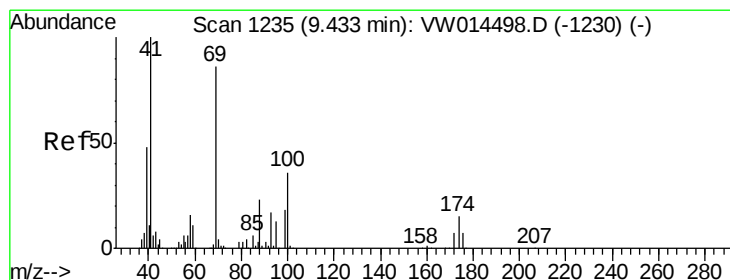
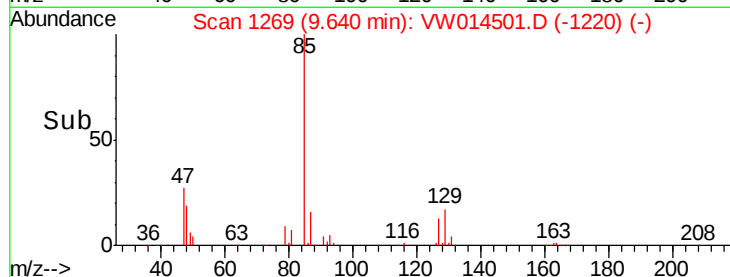
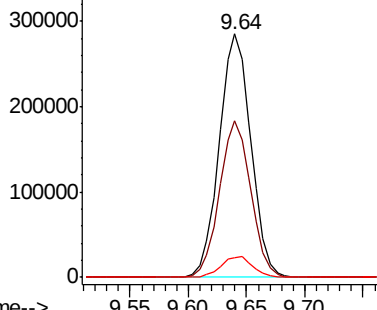
127 8.2 6.6 9.8



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: 51.185 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

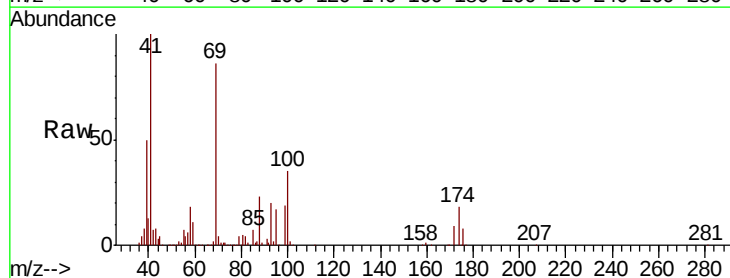
Tgt Ion: 41 Resp: 251839

Ion Ratio Lower Upper

41 100

69 85.5 68.3 102.5

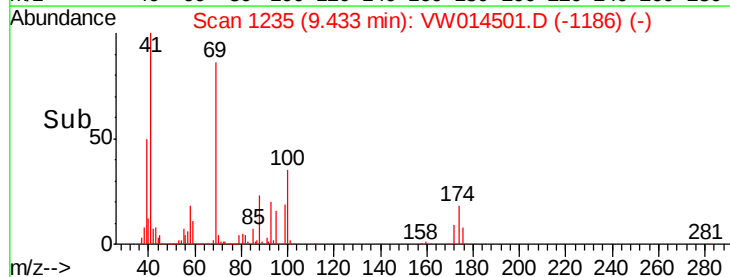
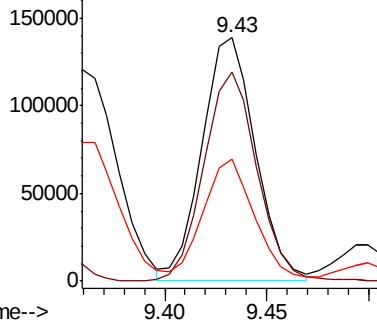
39 45.2 36.8 55.2

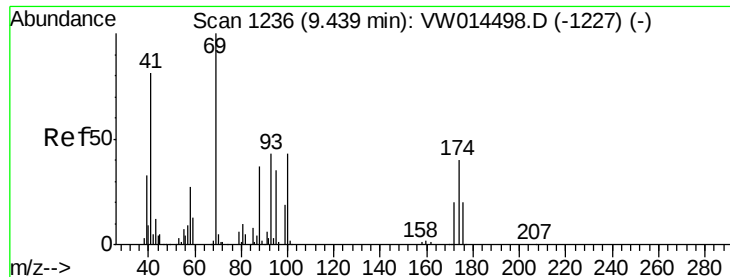


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1049.141 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :
MSVOA_W
ClientSampleId :

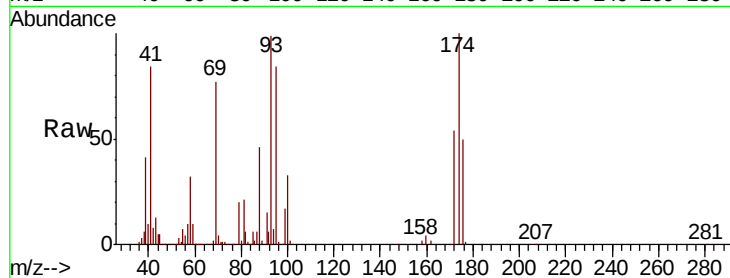
Tot Ion: 88 Resp: 82297

Ion Ratio Lower Upper

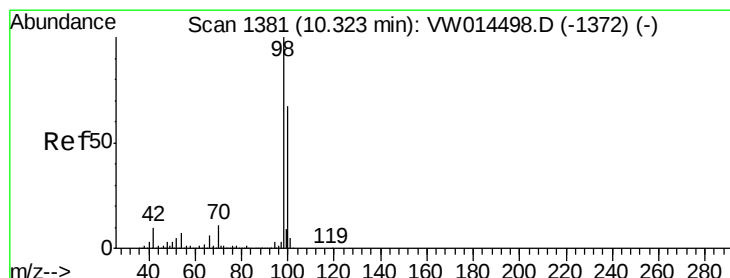
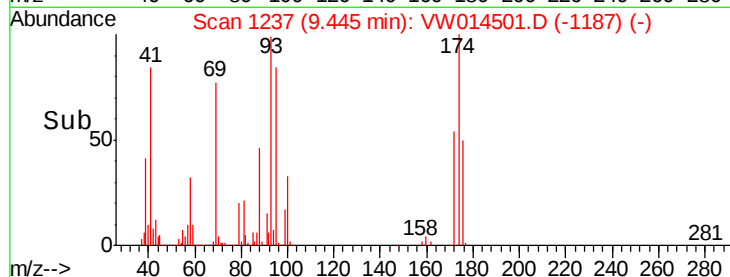
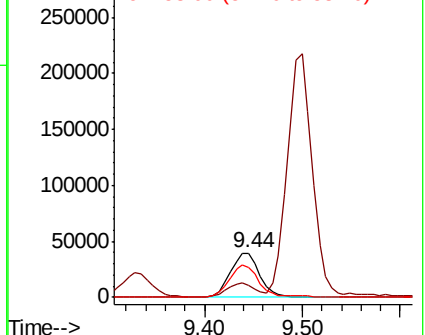
88 100

43 30.3 24.9 37.3

58 71.9 56.9 85.3



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



#50

Toluene-d8

Concen: 52.354 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014501.D

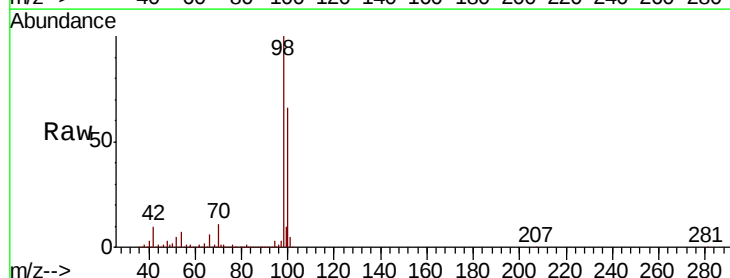
Acq: 03 Jan 2020 16:19

Tgt Ion: 98 Resp: 1584912

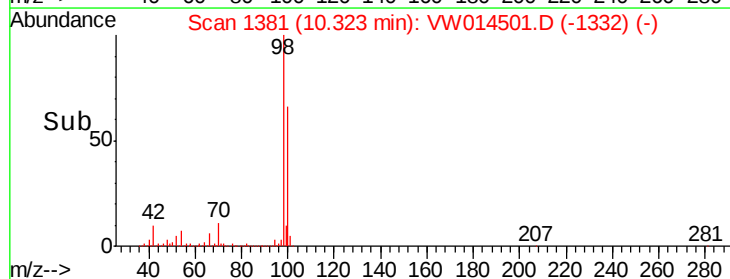
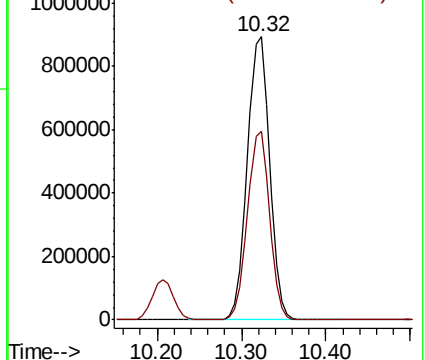
Ion Ratio Lower Upper

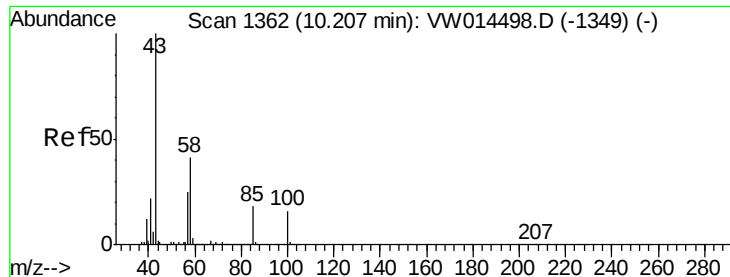
98 100

100 66.0 53.8 80.6



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

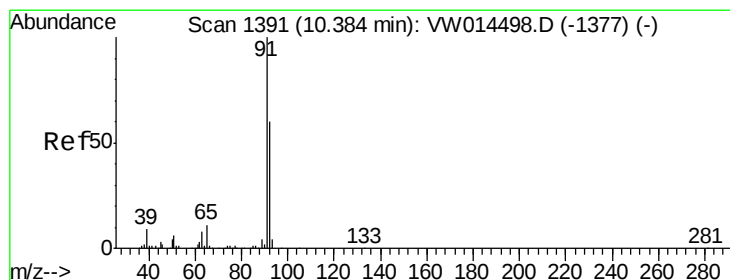
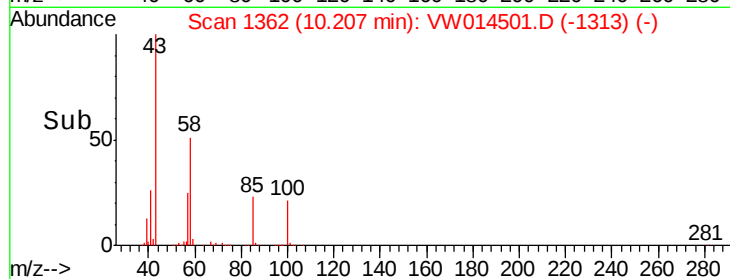
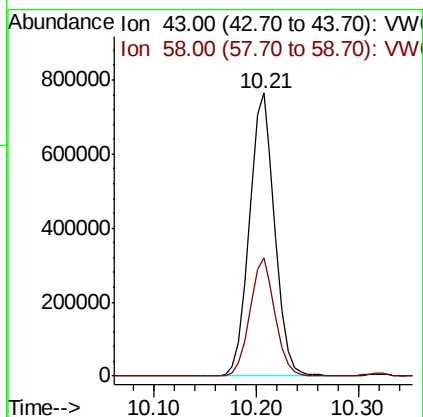
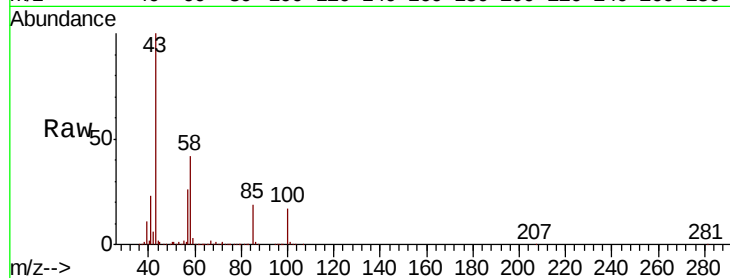




#51
4-Methyl-2-Pentanone
Concen: 252.247 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

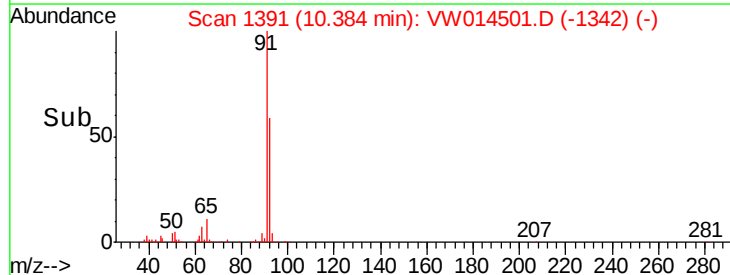
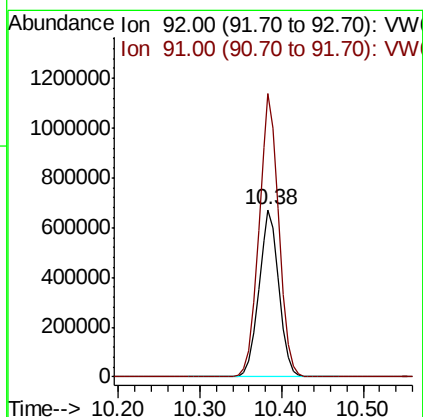
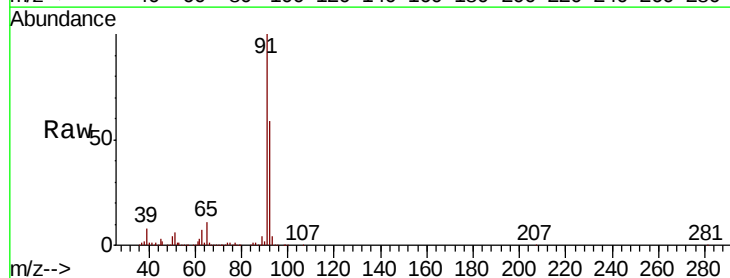
Instrument :
MSVOA_W
ClientSampled :

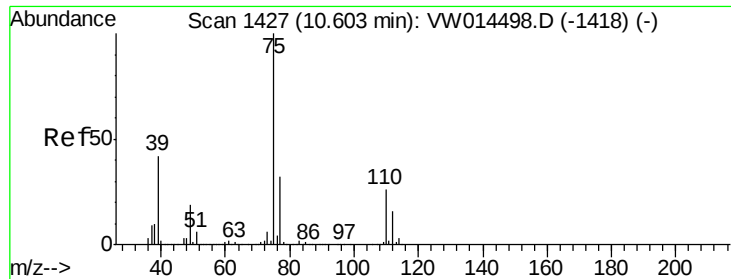
Tot Ion: 43 Resp: 1320053
Ion Ratio Lower Upper
43 100
58 41.4 32.7 49.1



#52
Toluene
Concen: 52.687 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 92 Resp: 1147537
Ion Ratio Lower Upper
92 100
91 168.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 53.371 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

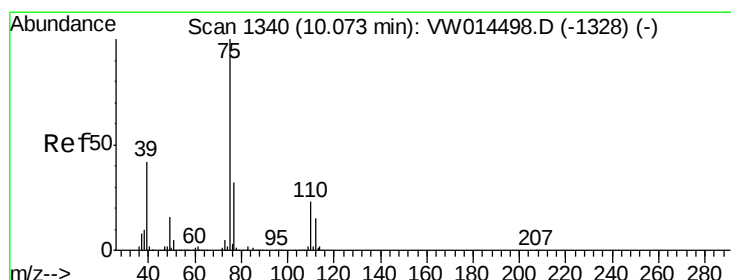
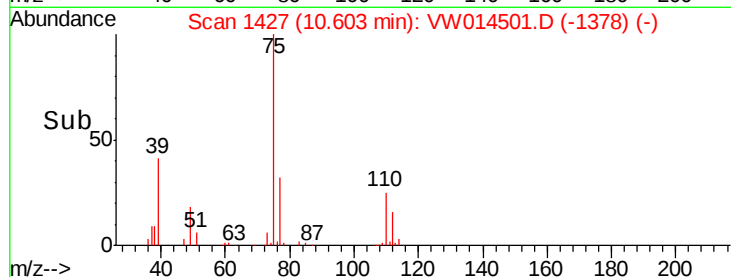
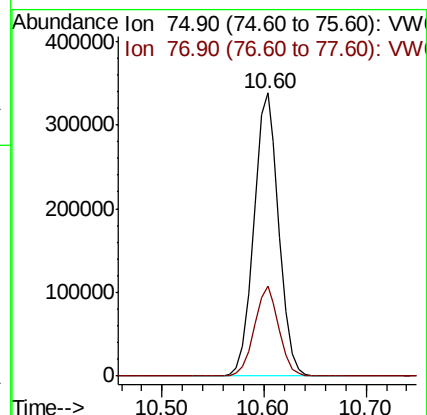
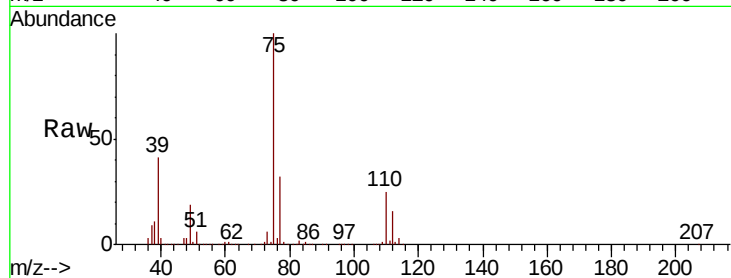
ClientSampleId :

Tot Ion: 75 Resp: 572180

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.102 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

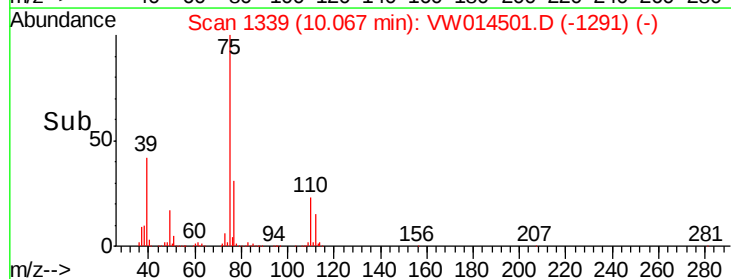
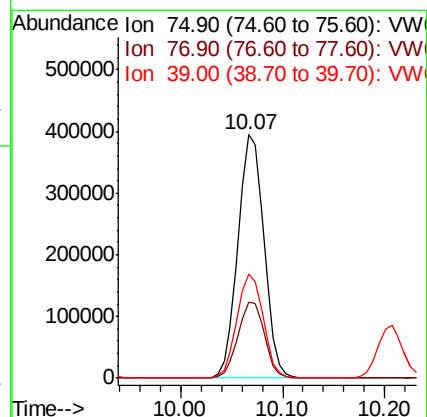
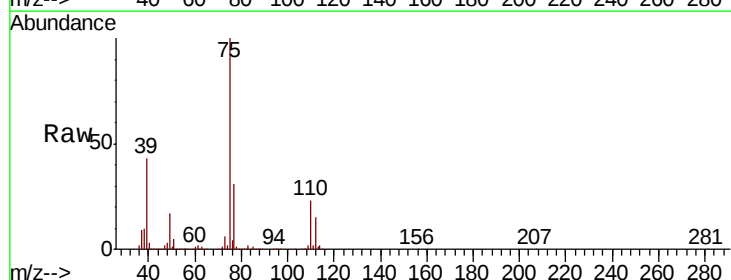
Tgt Ion: 75 Resp: 695788

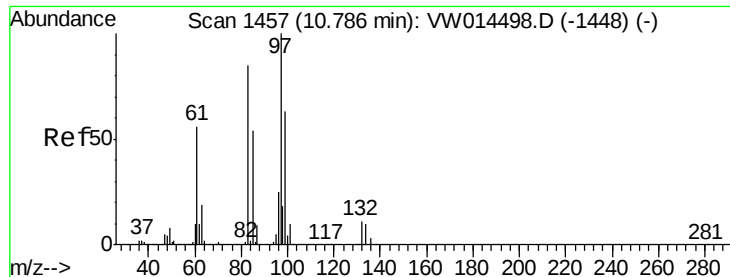
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 42.5 33.4 50.2

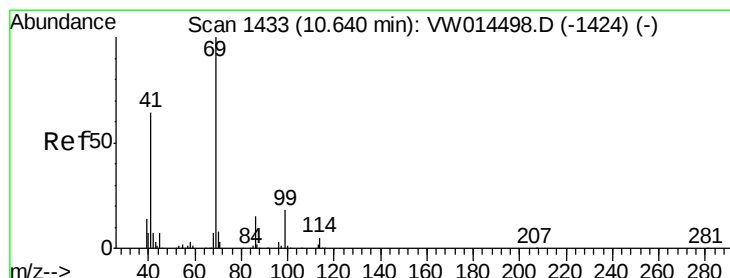
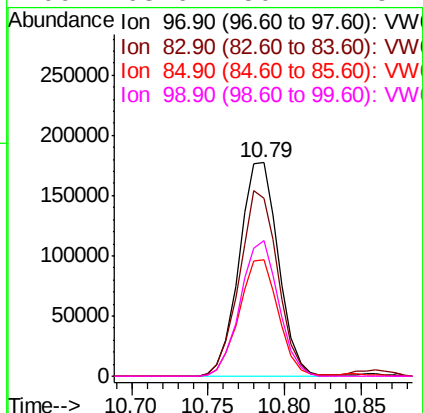
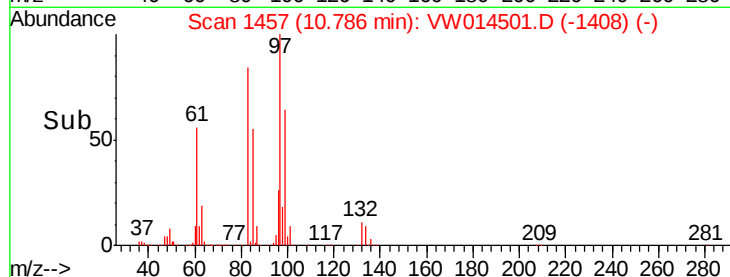
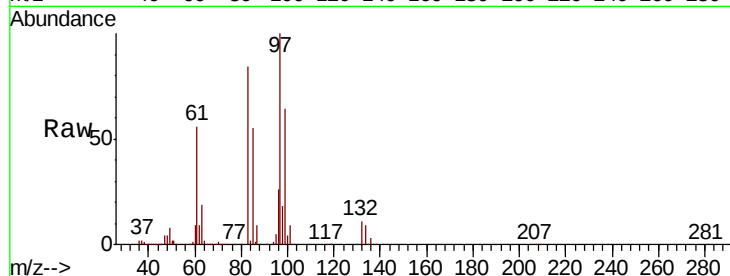




#55
 1,1,2-Trichloroethane
 Concen: 51.450 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

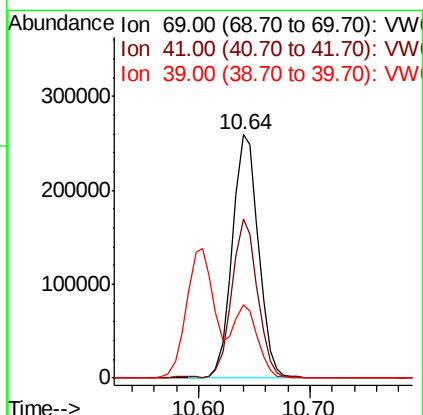
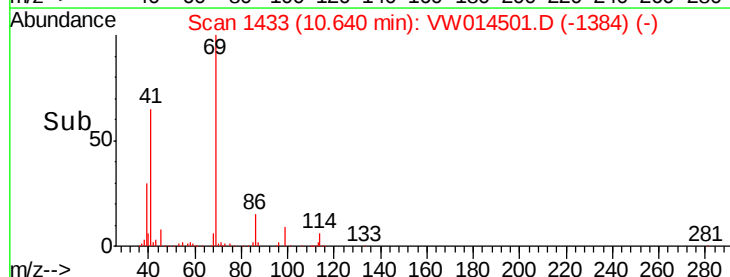
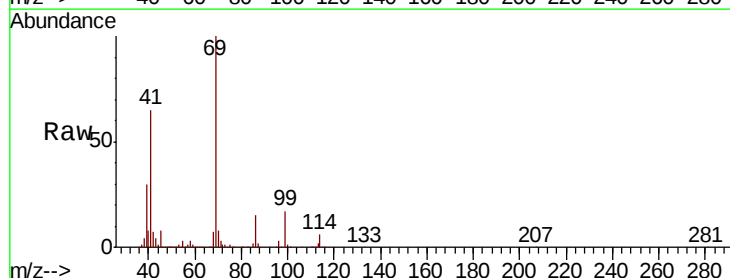
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	315144
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.2	102.4
85	54.6	43.0	64.4
99	63.6	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 53.015 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion:	69	Resp:	422022
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.3	76.9
39	25.3	21.0	31.6

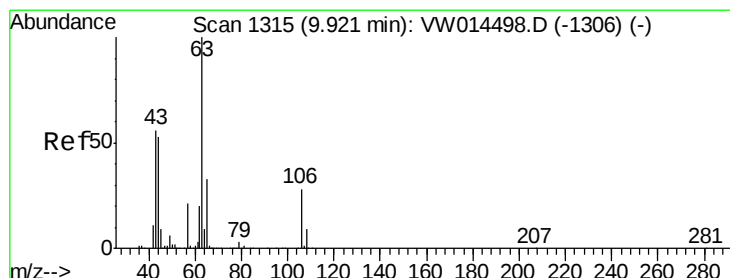
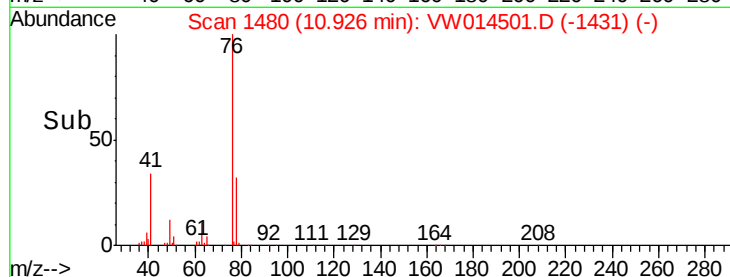
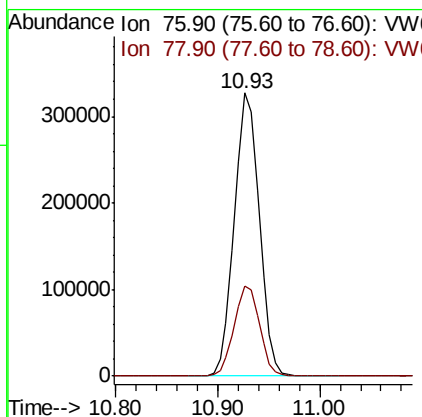
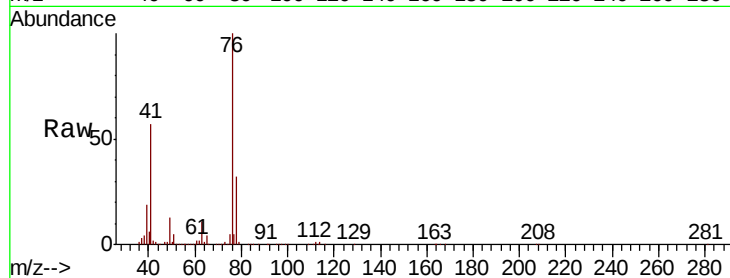




#57
 1,3-Dichloropropane
 Concen: 51.290 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

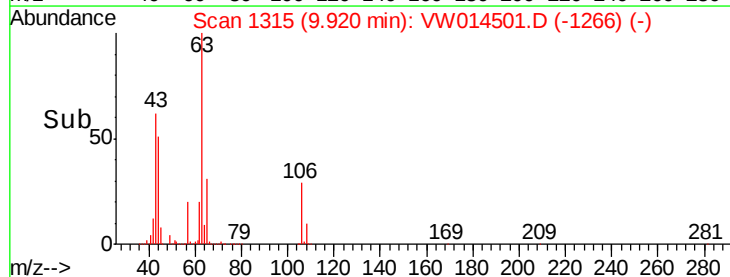
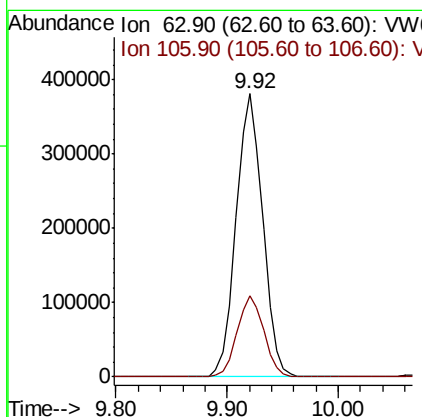
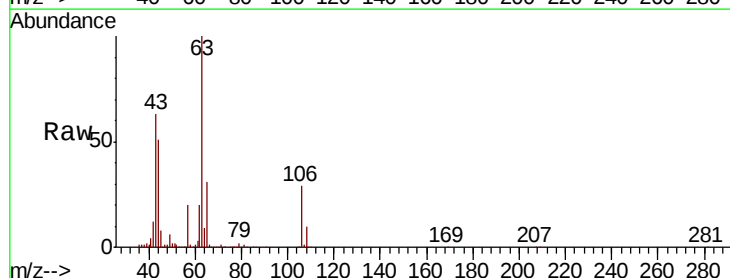
Instrument :
 MSVOA_W
 ClientSampleId :

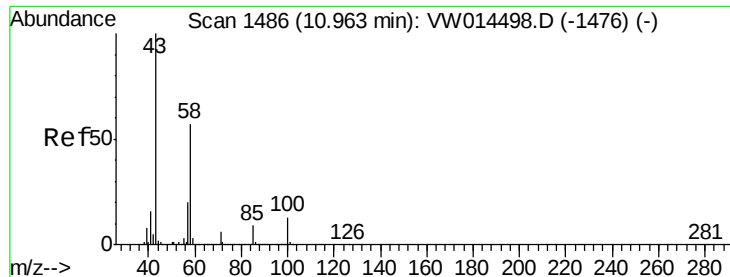
Tot Ion: 76 Resp: 552148
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.612 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 63 Resp: 630942
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.6

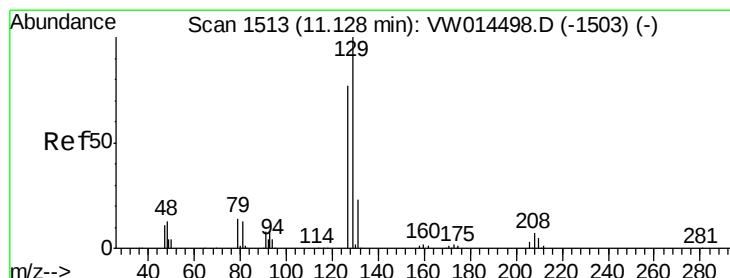
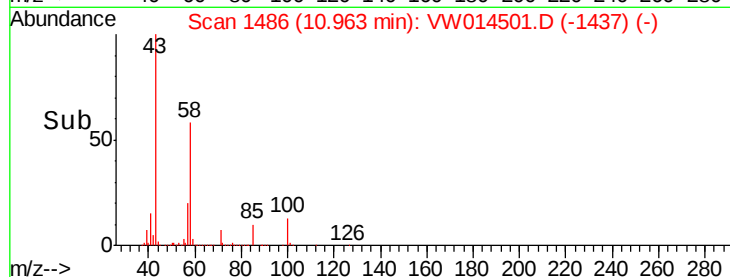
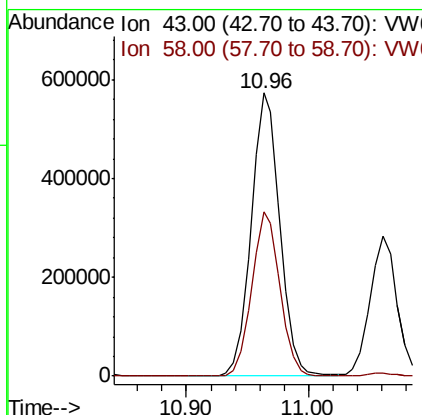
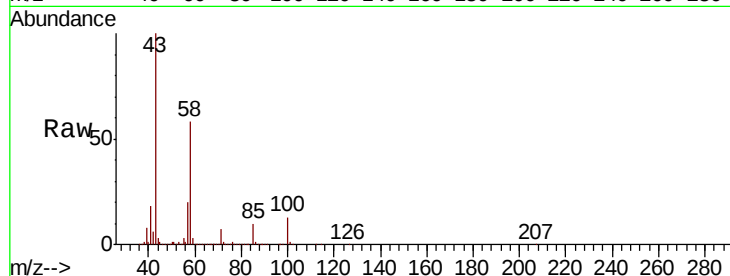




#59
2-Hexanone
Concen: 258.169 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

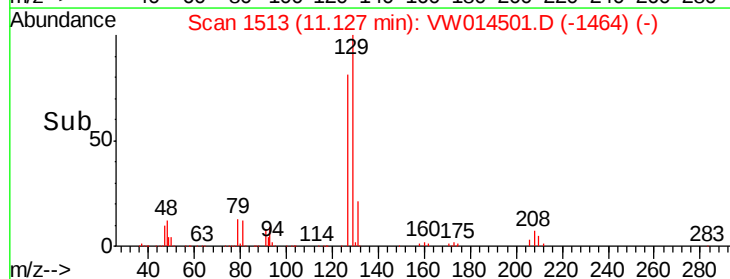
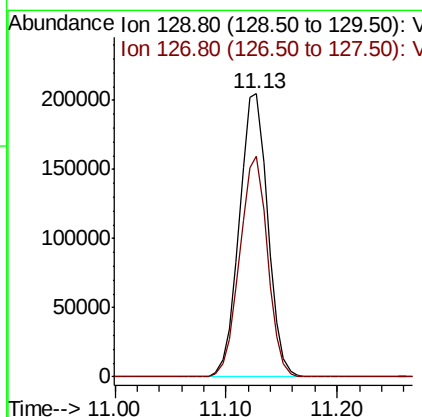
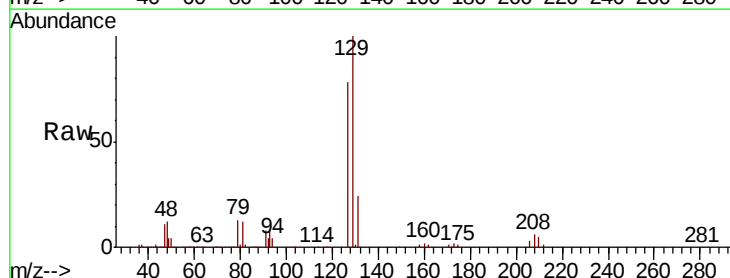
Instrument :
MSVOA_W
ClientSampleId :

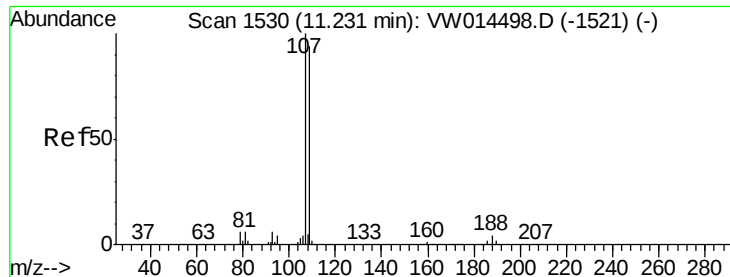
Tot Ion: 43 Resp: 930988
Ion Ratio Lower Upper
43 100
58 57.6 28.7 86.3



#60
Dibromochloromethane
Concen: 52.503 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 129 Resp: 362856
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5

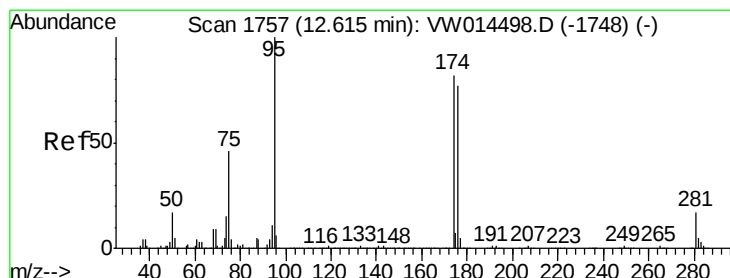
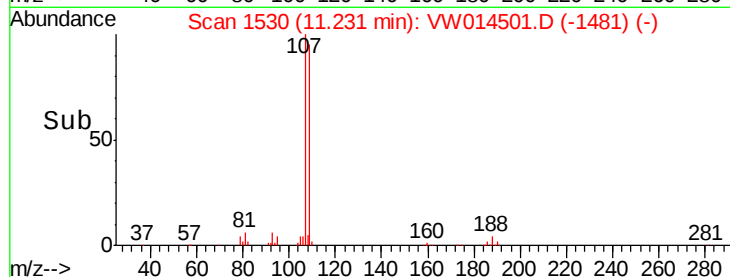
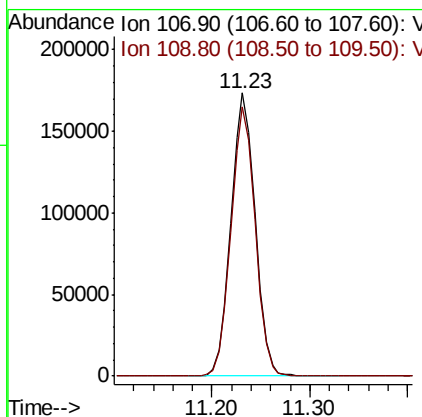
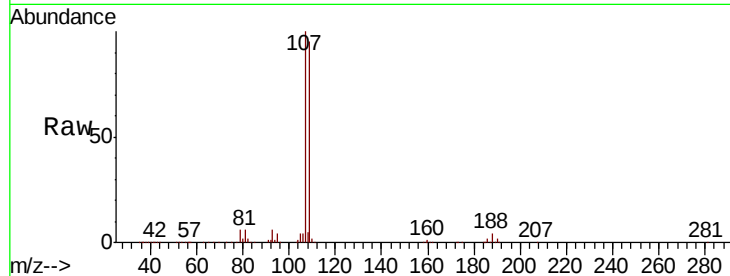




#61
 1,2-Dibromoethane
 Concen: 51.071 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

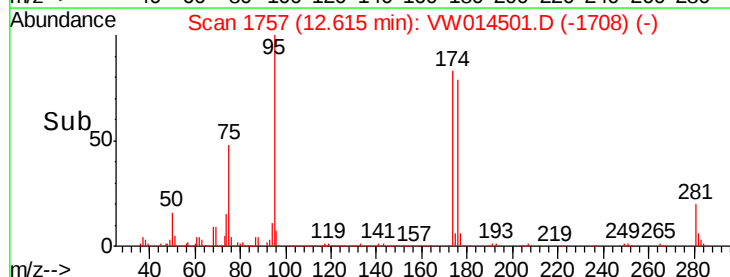
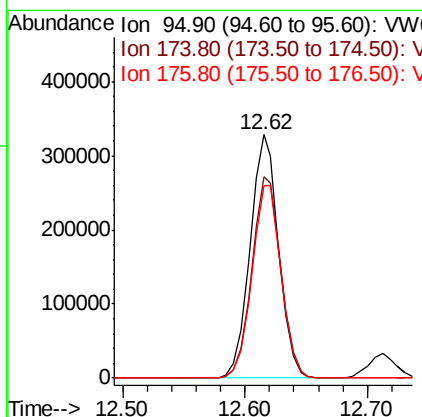
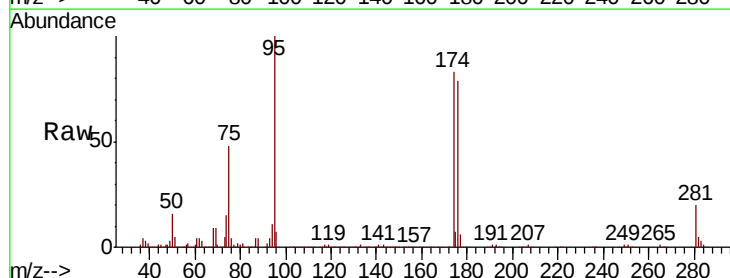
Instrument :
 MSVOA_W
 ClientSampleId :

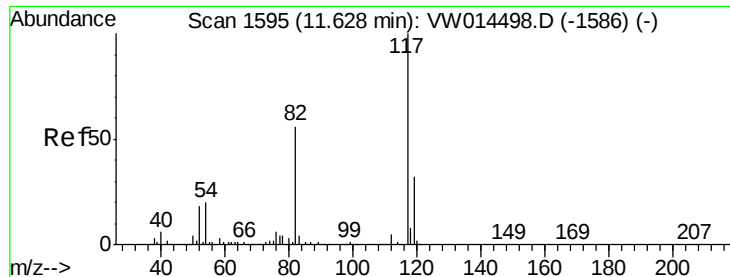
Tot Ion: 107 Resp: 296938
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 51.543 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion: 95 Resp: 529256
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 168.6
 176 81.3 0.0 162.0

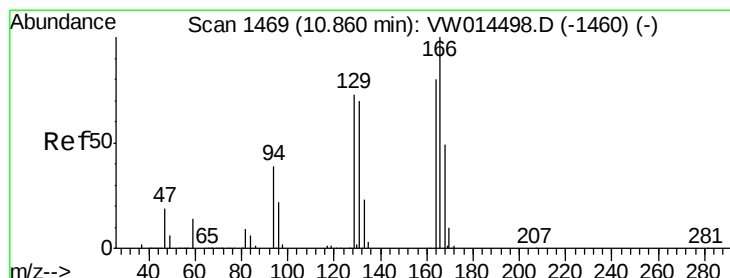
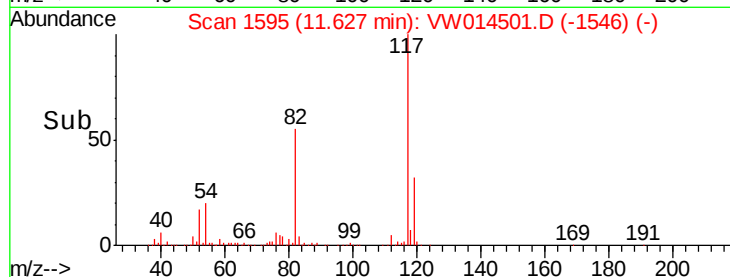
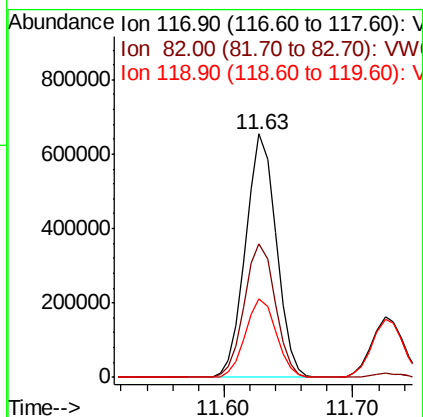
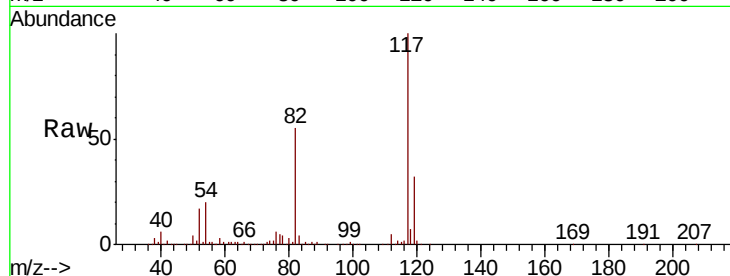




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

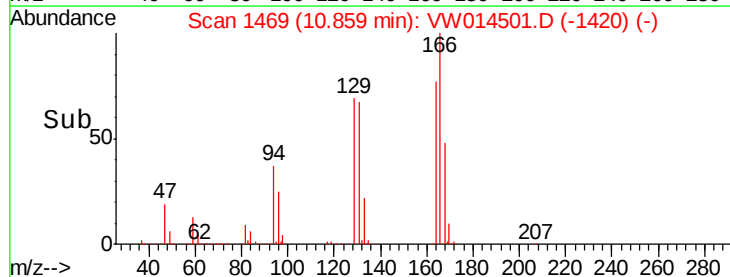
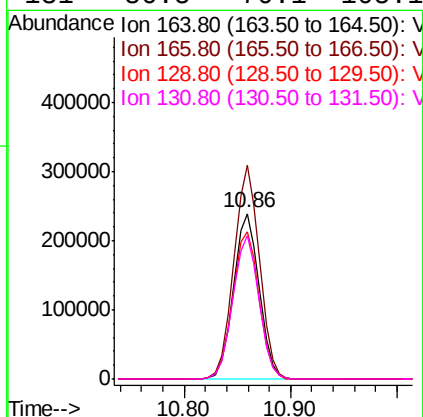
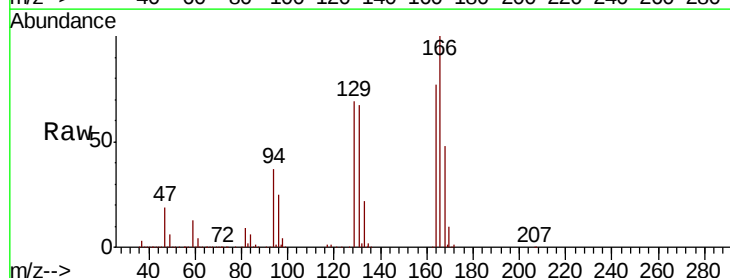
Instrument :
MSVOA_W
ClientSampled :

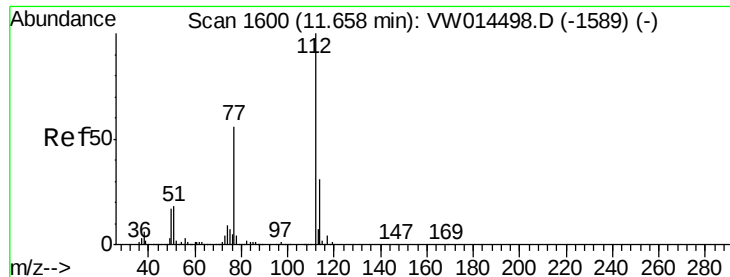
Tot Ion:117 Resp: 1074407
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 52.252 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion:164 Resp: 406433
Ion Ratio Lower Upper
164 100
166 129.1 99.8 149.6
129 88.8 72.4 108.6
131 86.5 70.1 105.1





#65

Chlorobenzene

Concen: 52.781 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

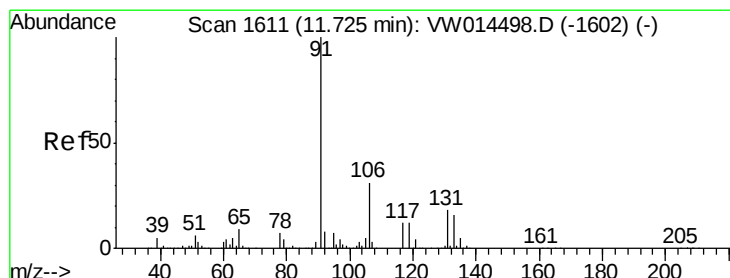
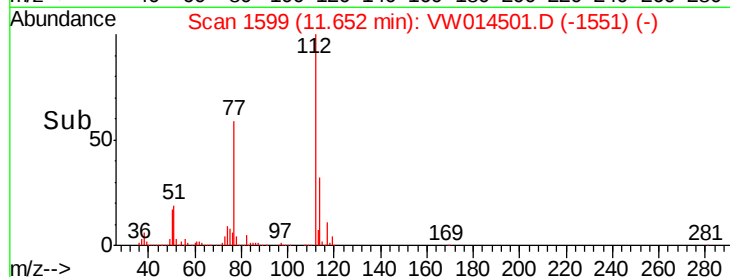
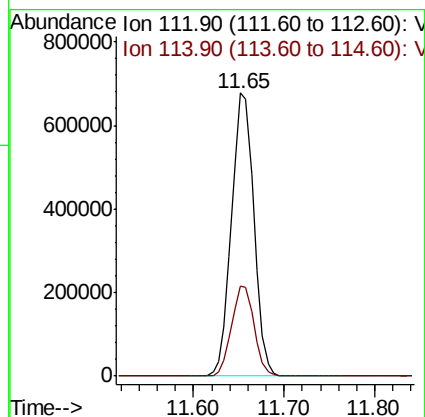
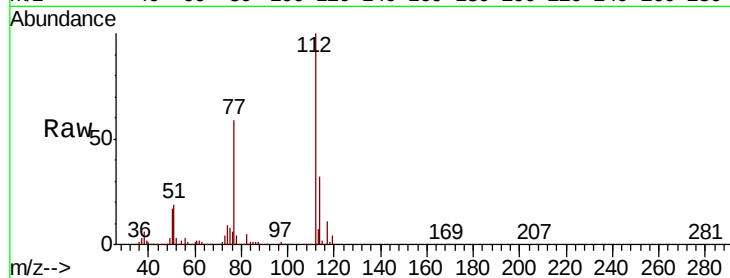
ClientSampleId :

Tot Ion:112 Resp: 1161779

Ion Ratio Lower Upper

112 100

114 31.9 24.6 37.0



#66

1,1,1,2-Tetrachloroethane

Concen: 53.959 ug/l

RT: 11.72 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

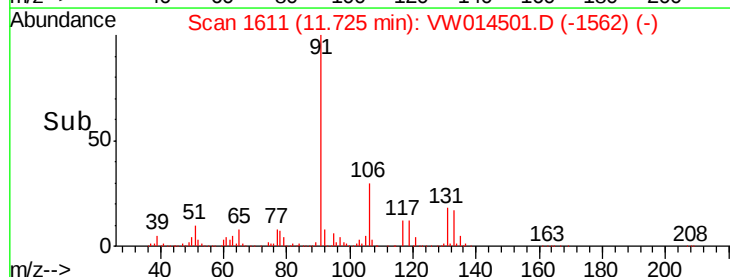
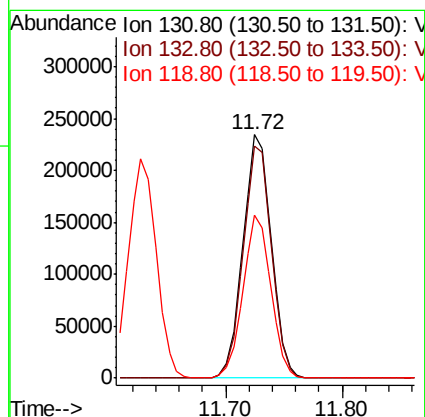
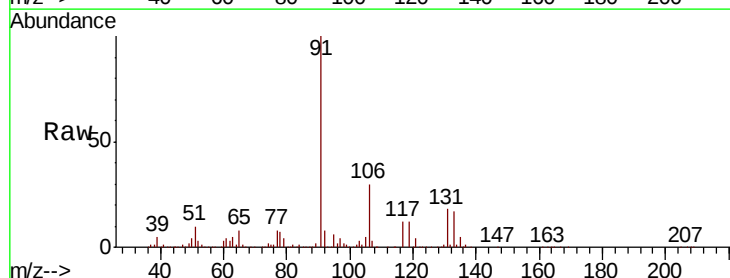
Tgt Ion:131 Resp: 399893

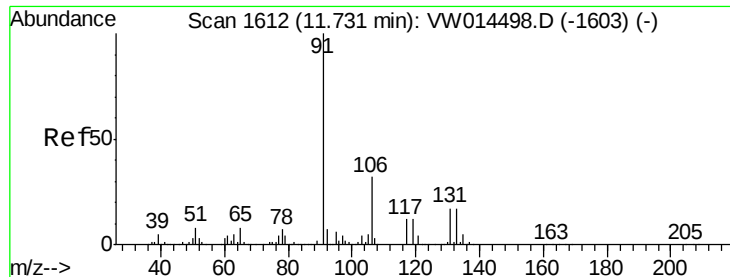
Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

119 65.7 33.1 99.3

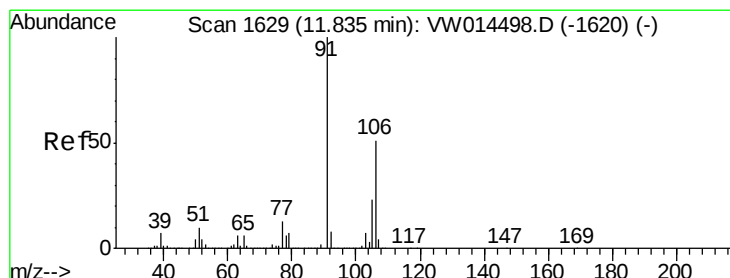
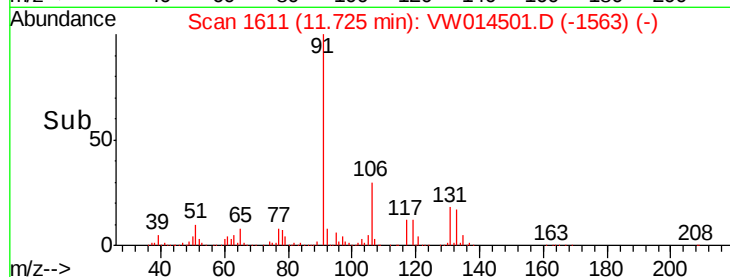
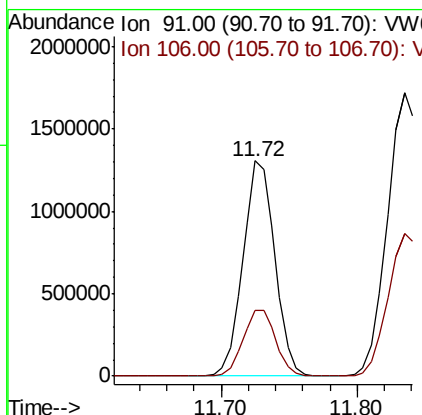
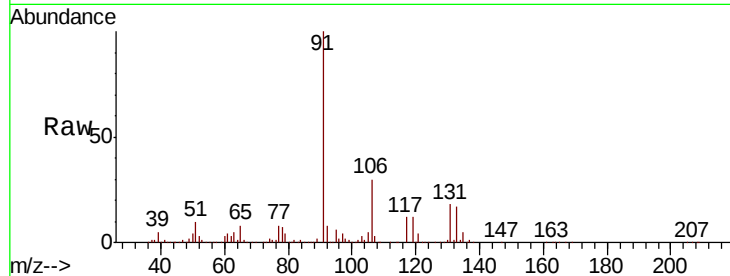




#67
Ethyl Benzene
Concen: 53.907 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

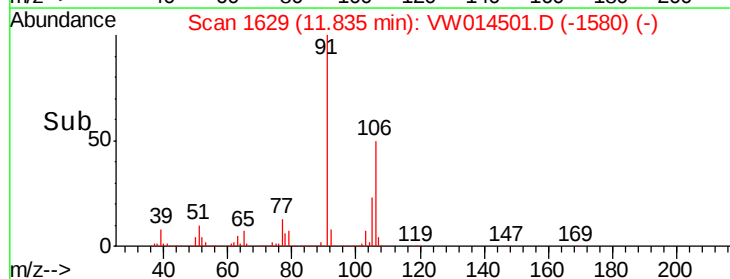
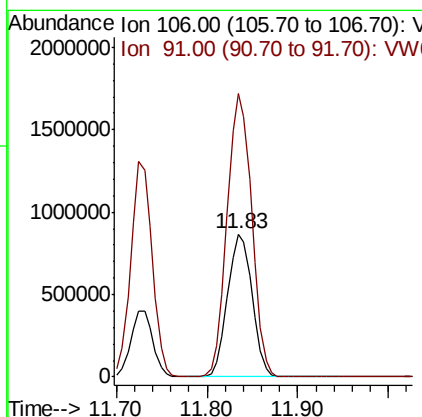
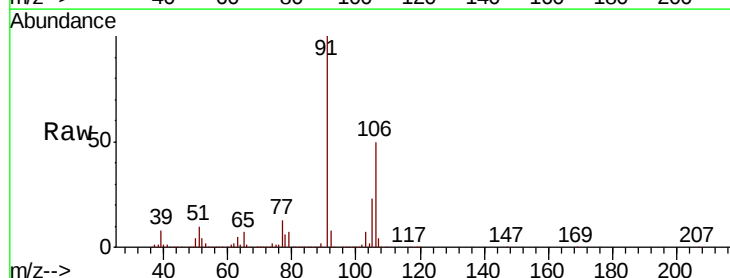
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 2138360
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 107.192 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion: 106 Resp: 1627369
Ion Ratio Lower Upper
106 100
91 199.0 159.0 238.6

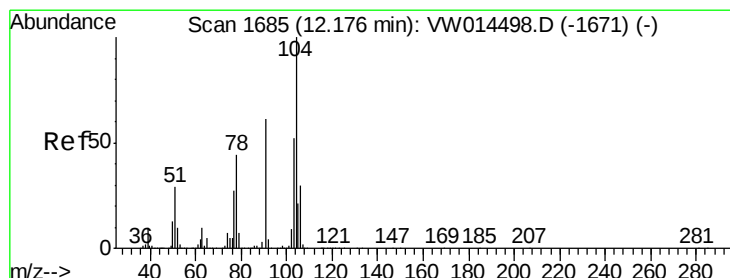
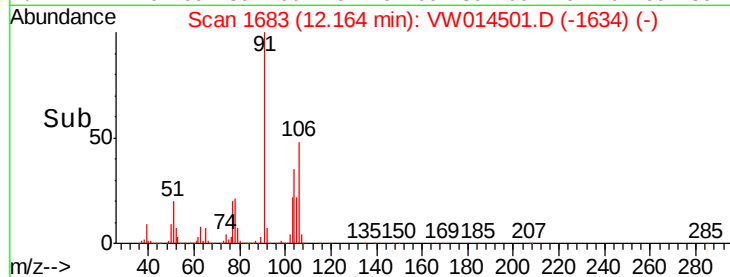
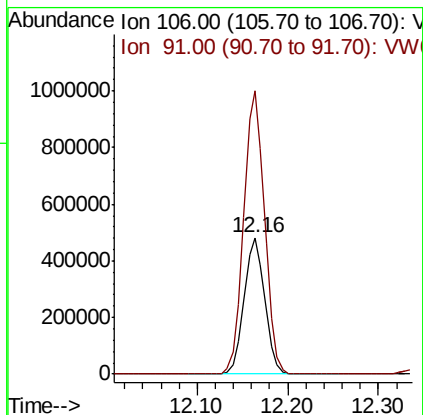
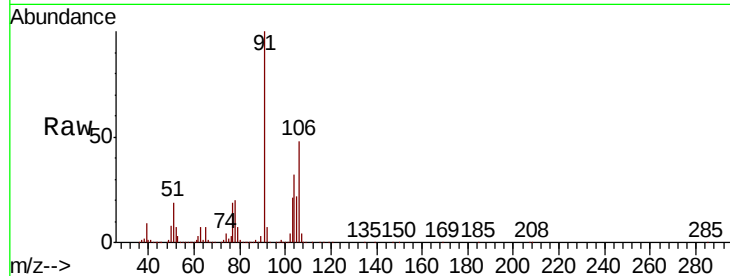




#69
o-Xylene
Concen: 53.911 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

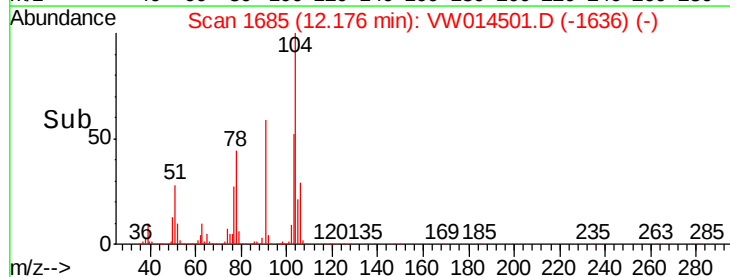
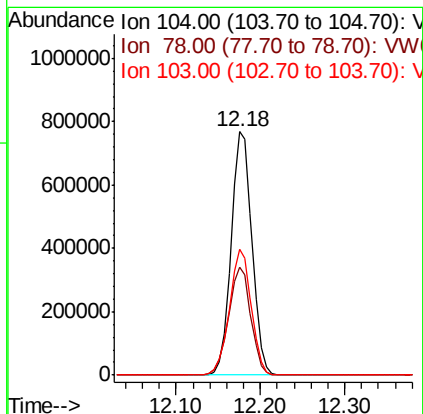
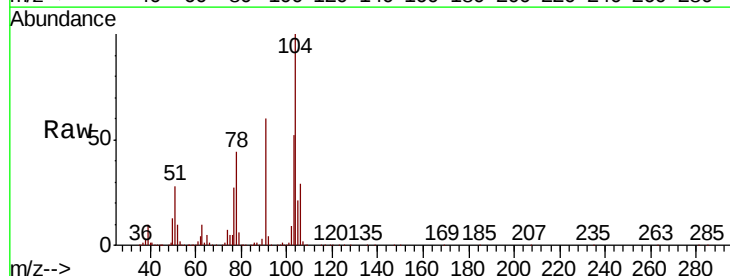
Instrument :
MSVOA_W
ClientSampleId :

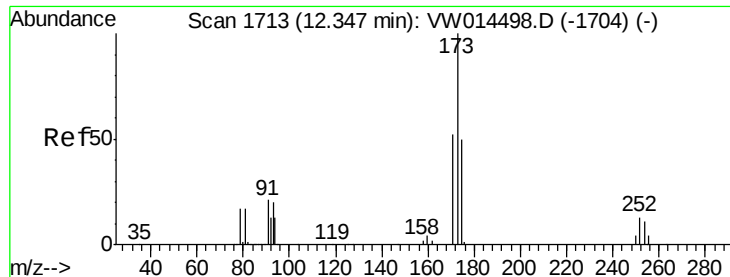
Tot Ion:106 Resp: 756029
Ion Ratio Lower Upper
106 100
91 210.0 105.2 315.6



#70
Styrene
Concen: 54.022 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion:104 Resp: 1281397
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 52.149 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

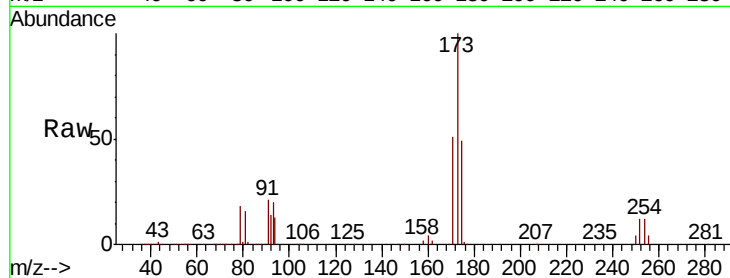
Tot Ion:173 Resp: 210807

Ion Ratio Lower Upper

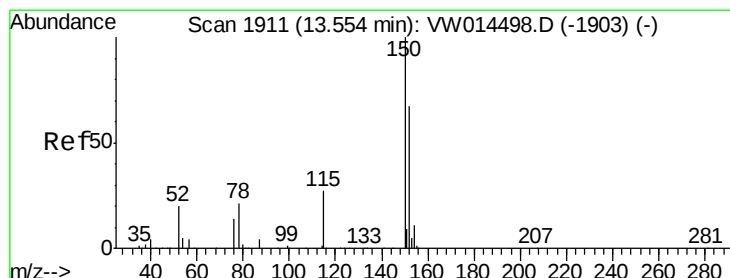
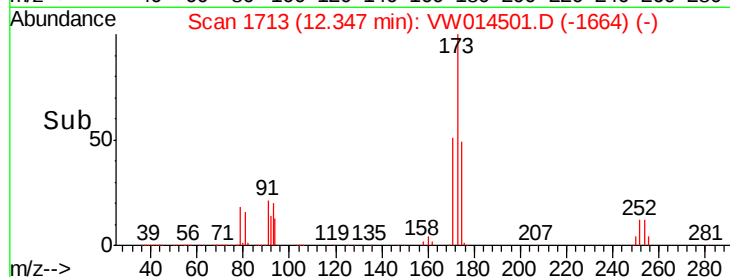
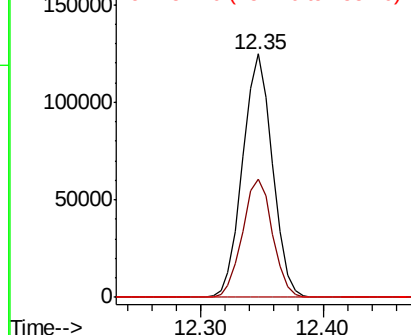
173 100

175 49.0 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: VW014501.D

Acq: 03 Jan 2020 16:19

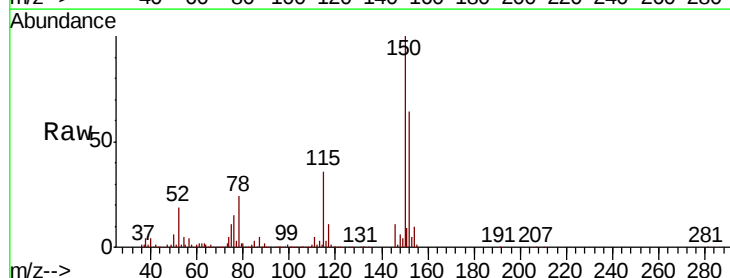
Tgt Ion:152 Resp: 528957

Ion Ratio Lower Upper

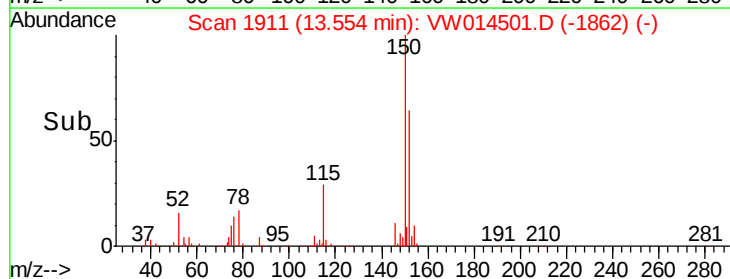
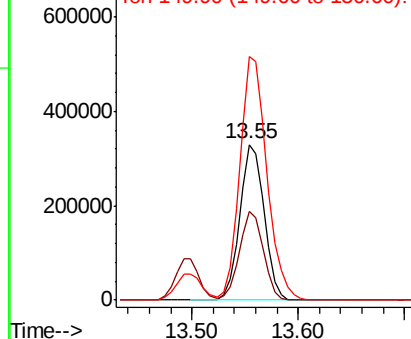
152 100

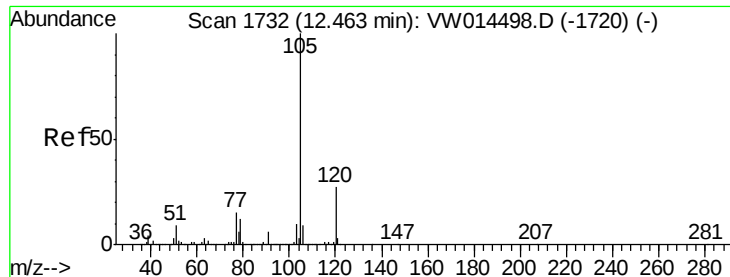
115 56.0 27.7 83.1

150 173.5 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: 54.198 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

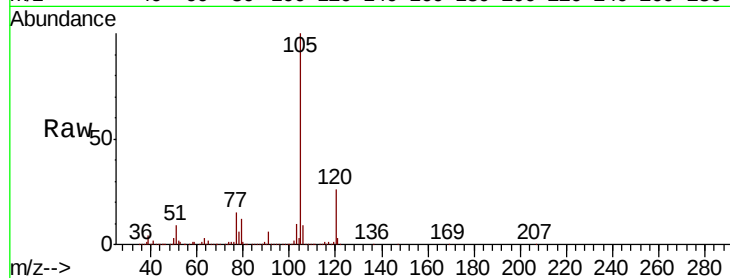
ClientSampled :

Tot Ion:105 Resp: 2103537

Ion Ratio Lower Upper

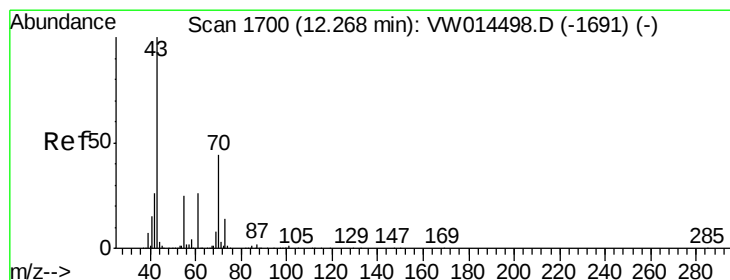
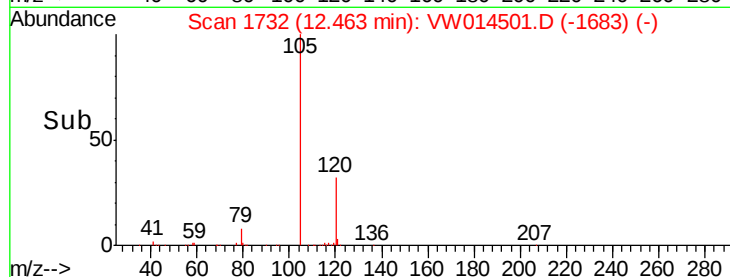
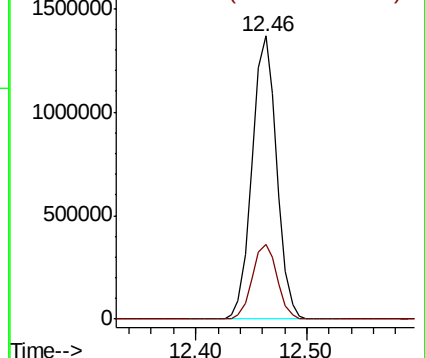
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.256 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Tgt Ion: 43 Resp: 463463

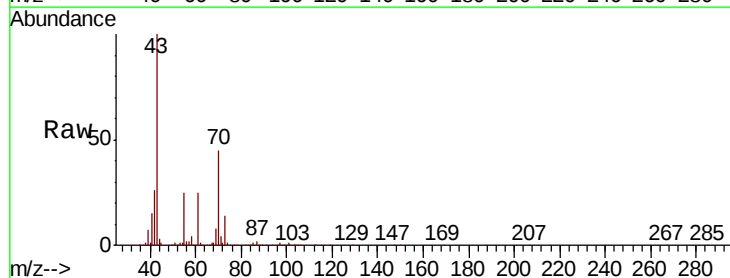
Ion Ratio Lower Upper

43 100

70 45.2 36.5 54.7

55 25.6 20.9 31.3

61 25.7 20.7 31.1

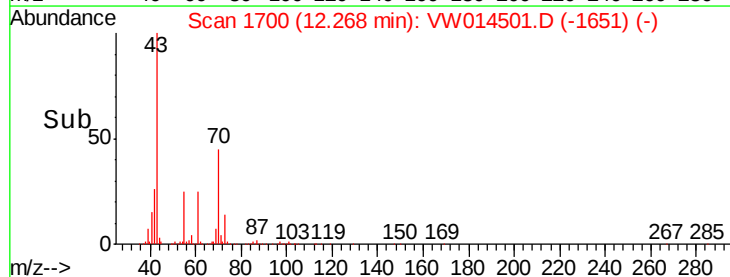
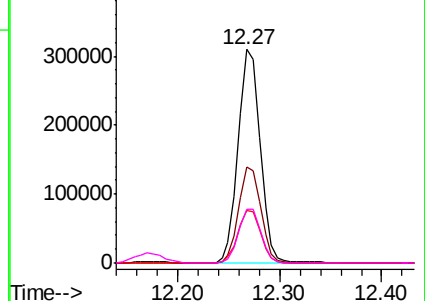


Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.825 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

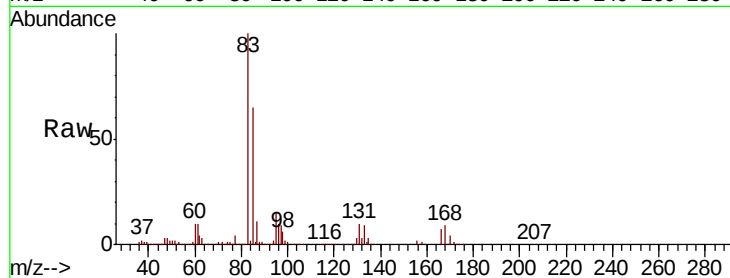
Tot Ion: 83 Resp: 356051

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

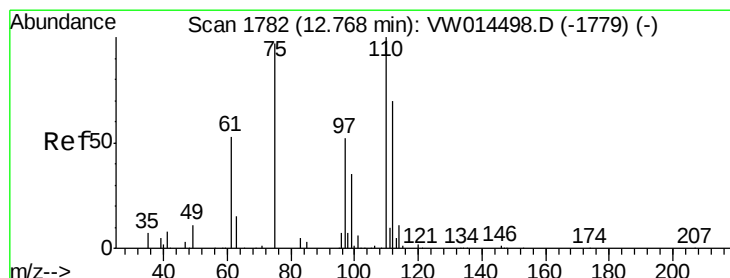
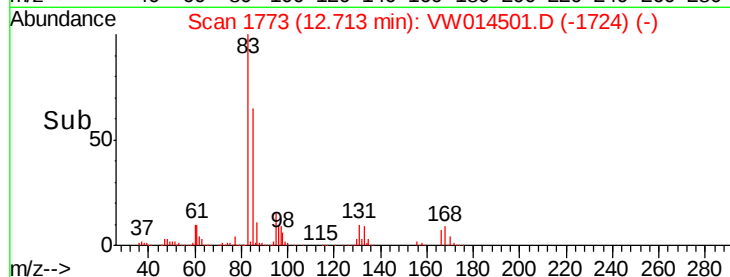
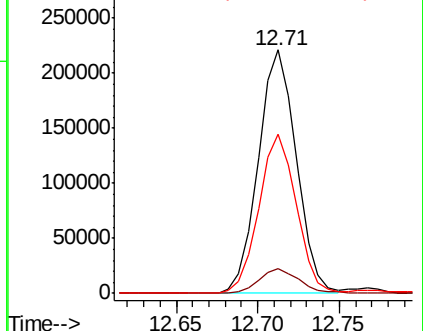
85 64.4 31.9 95.7



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: 90.666 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014501.D

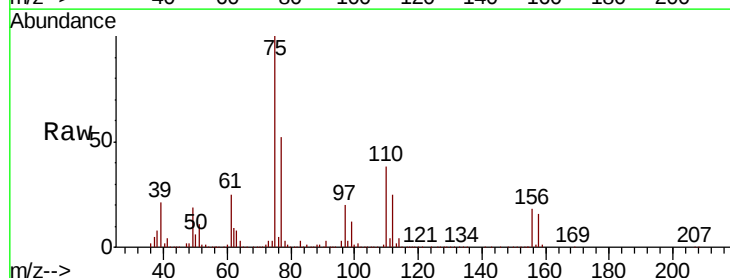
Acq: 03 Jan 2020 16:19

Tgt Ion: 75 Resp: 453442

Ion Ratio Lower Upper

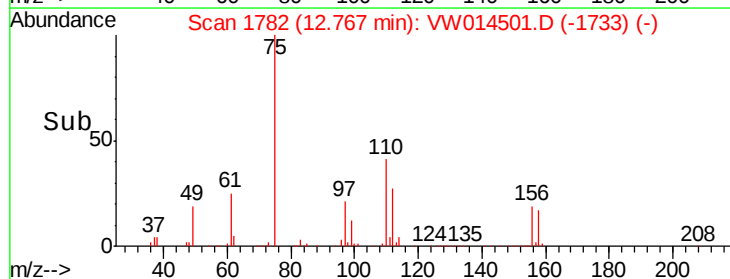
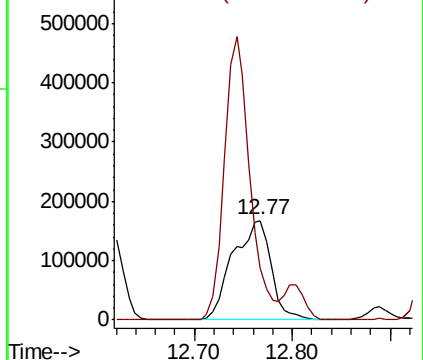
75 100

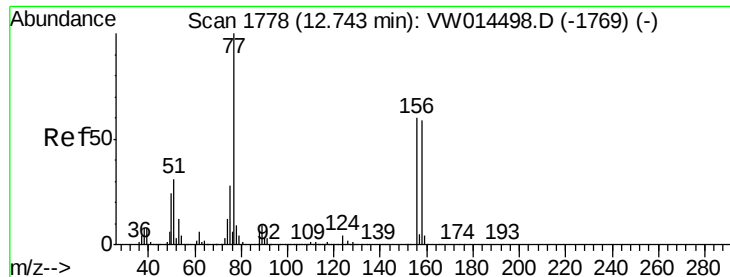
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.297 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampled :

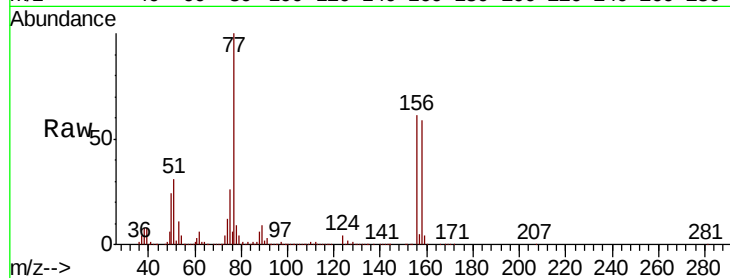
Tot Ion:156 Resp: 471431

Ion Ratio Lower Upper

156 100

77 185.0 92.3 277.1

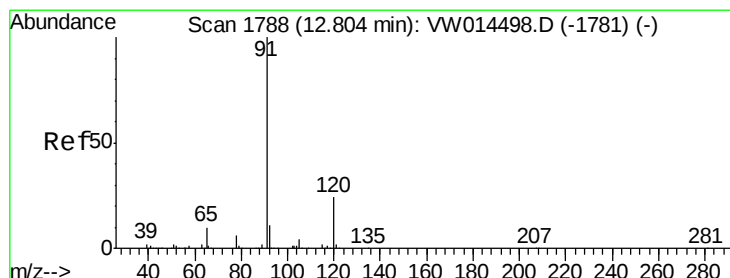
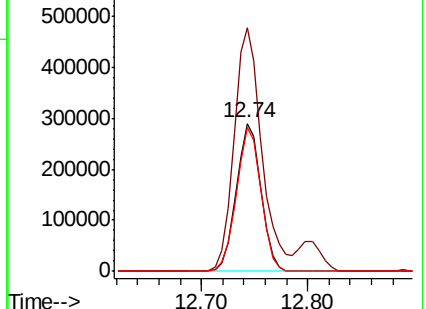
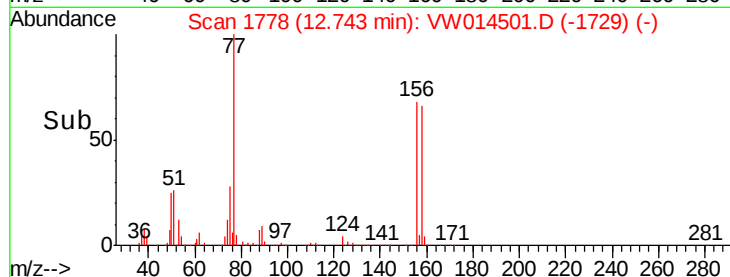
158 97.0 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.330 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014501.D

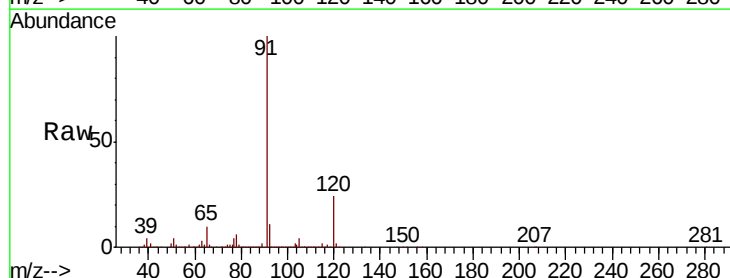
Acq: 03 Jan 2020 16:19

Tgt Ion: 91 Resp: 2479579

Ion Ratio Lower Upper

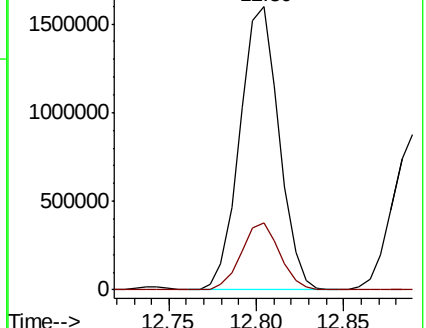
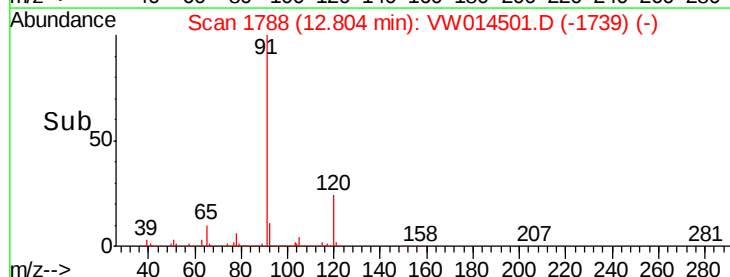
91 100

120 23.4 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: 53.140 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

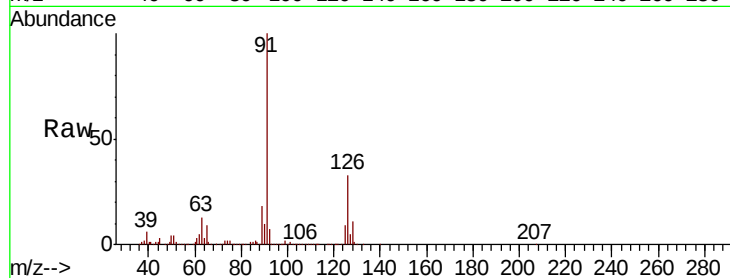
ClientSampled :

Tot Ion: 91 Resp: 1380153

Ion Ratio Lower Upper

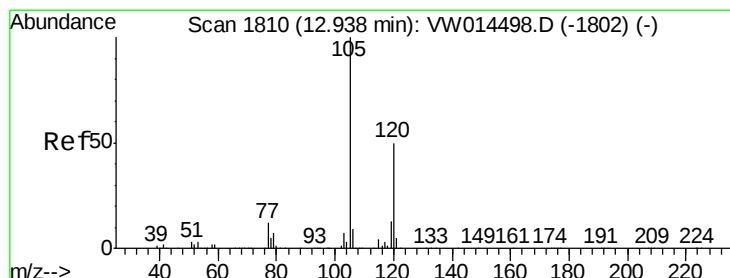
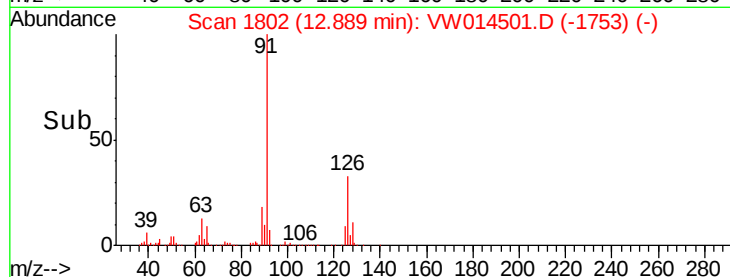
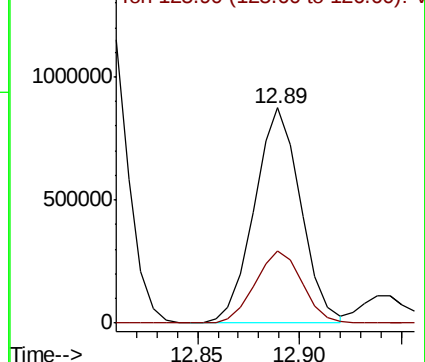
91 100

126 34.1 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: 54.261 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014501.D

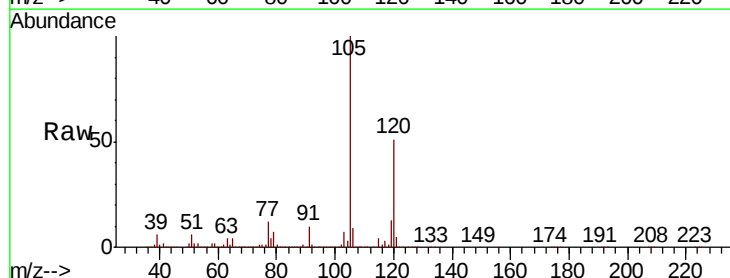
Acq: 03 Jan 2020 16:19

Tgt Ion:105 Resp: 1768275

Ion Ratio Lower Upper

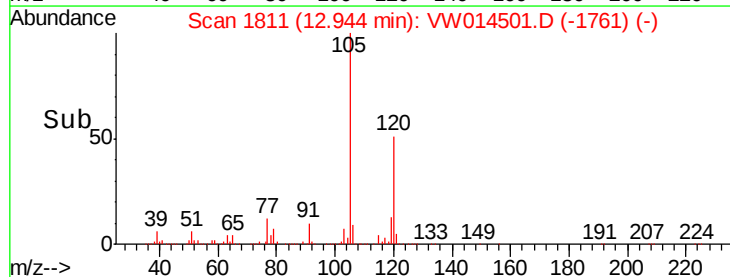
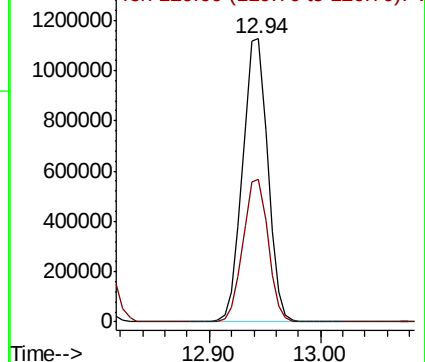
105 100

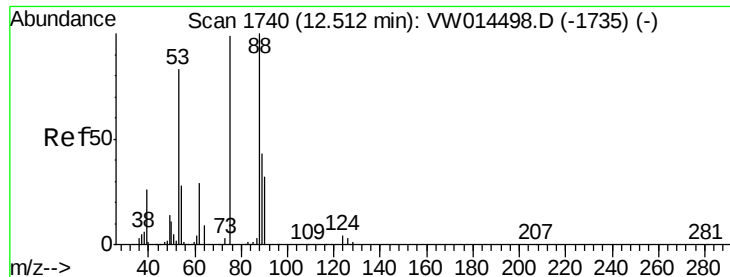
120 50.2 25.2 75.6



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: 52.934 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

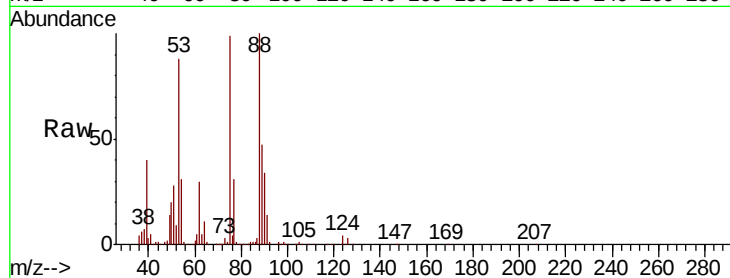
Tot Ion: 75 Resp: 118820

Ion Ratio Lower Upper

75 100

53 91.3 70.9 106.3

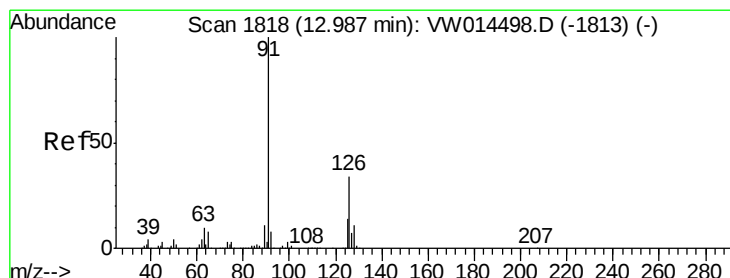
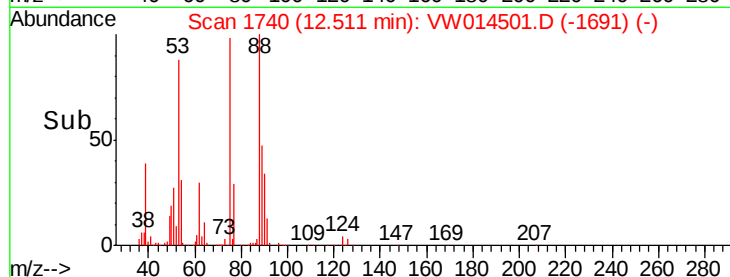
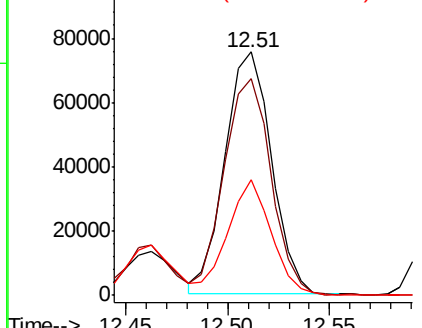
89 45.4 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 52.869 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014501.D

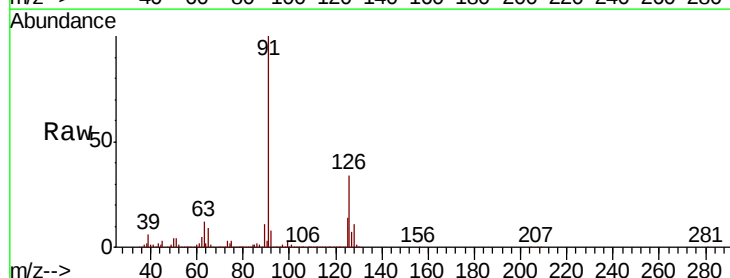
Acq: 03 Jan 2020 16:19

Tgt Ion: 91 Resp: 1426582

Ion Ratio Lower Upper

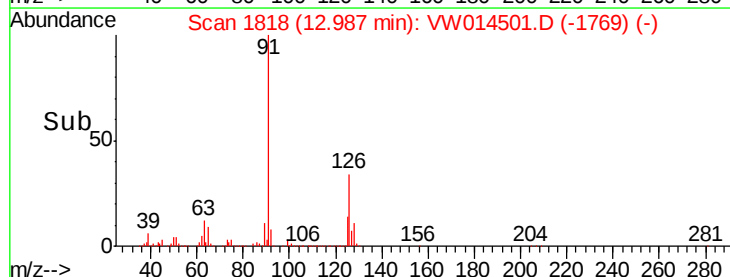
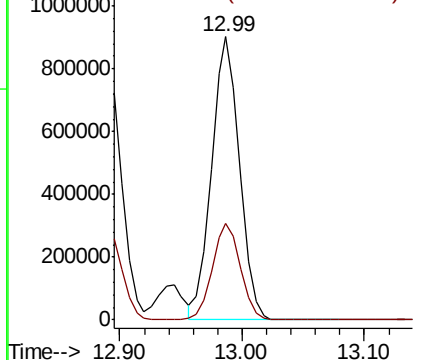
91 100

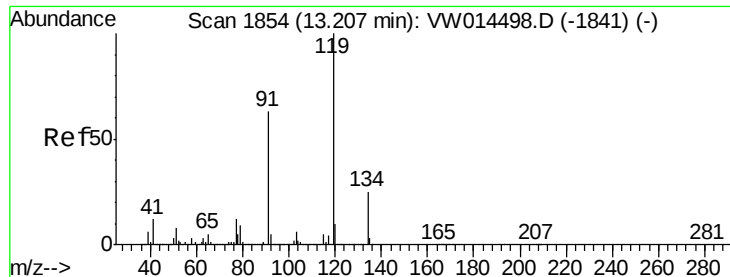
126 34.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

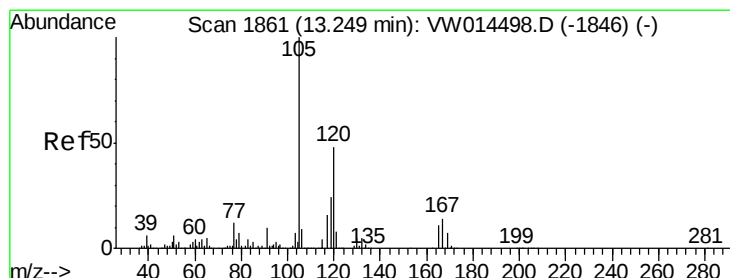
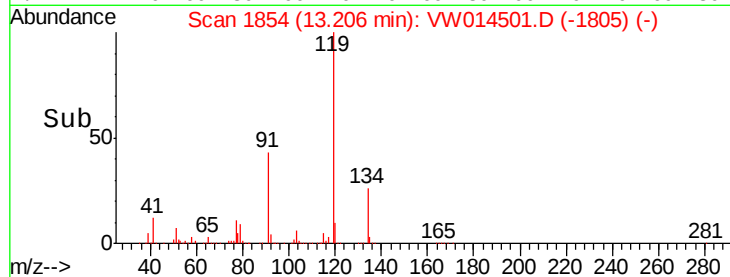
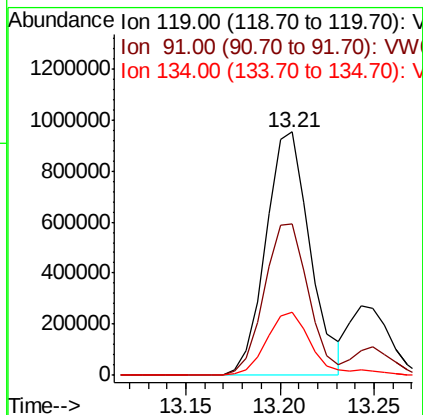
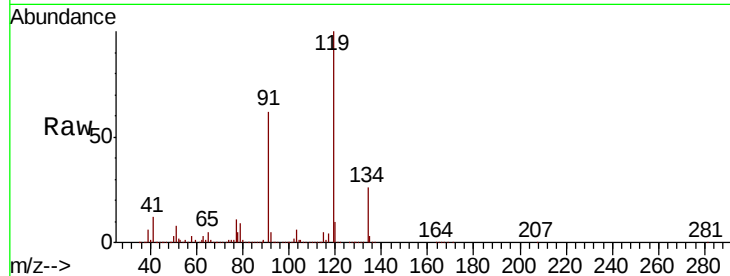




#83
 tert-Butylbenzene
 Concen: 54.549 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

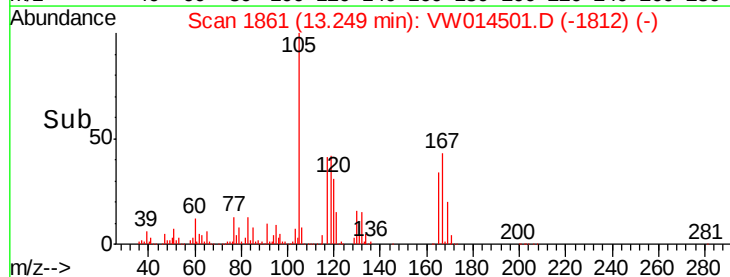
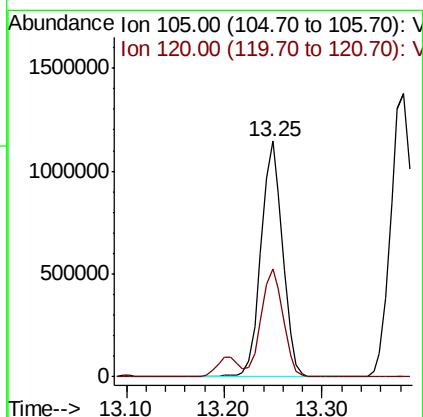
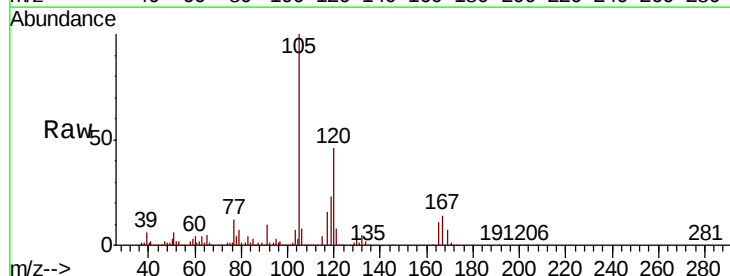
Instrument :
 MSVOA_W
 ClientSampleId :

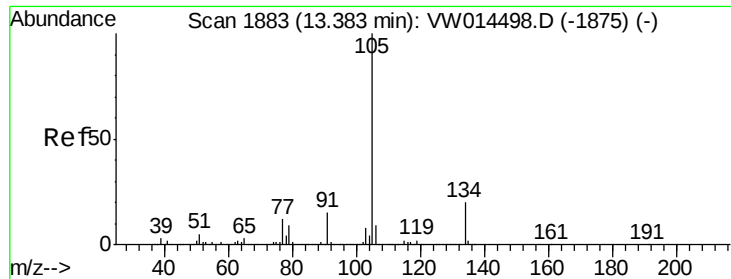
Tot Ion:119 Resp: 1556383
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.1 93.3
 134 26.9 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 53.920 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion:105 Resp: 1748602
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 54.230 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

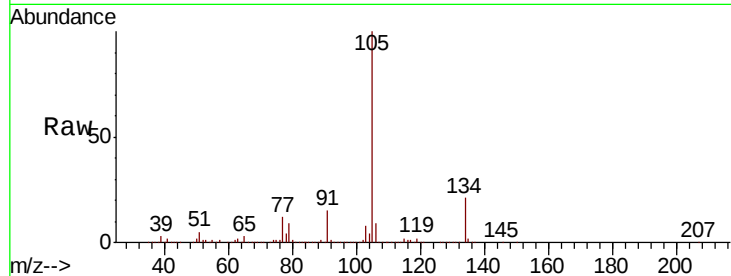
ClientSampleId :

Tot Ion:105 Resp: 2141719

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

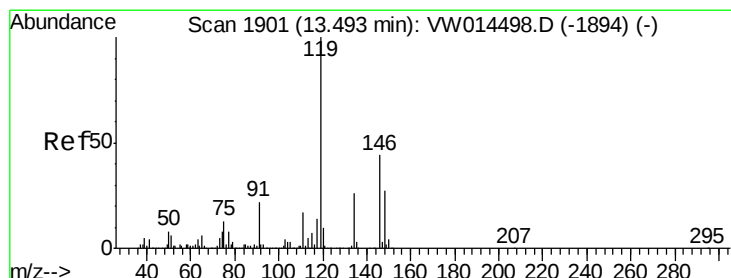
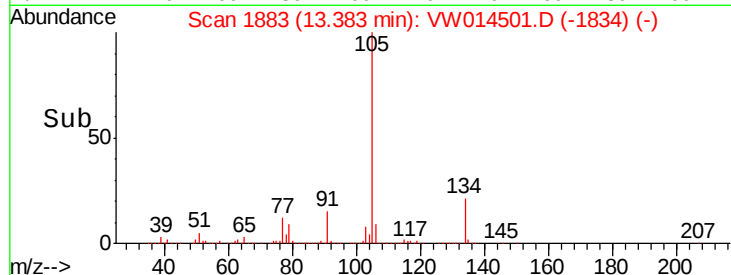
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.411 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

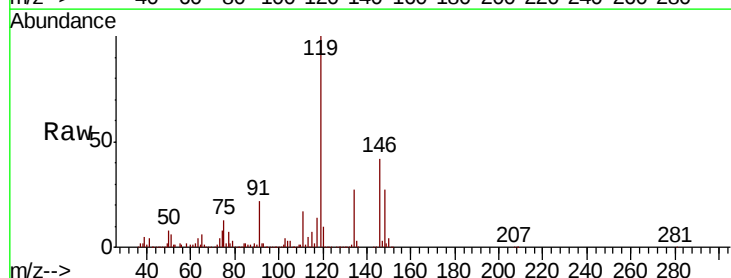
Tgt Ion:119 Resp: 1958662

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 22.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

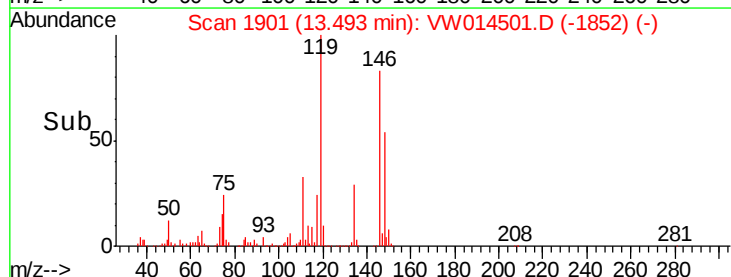
1500000

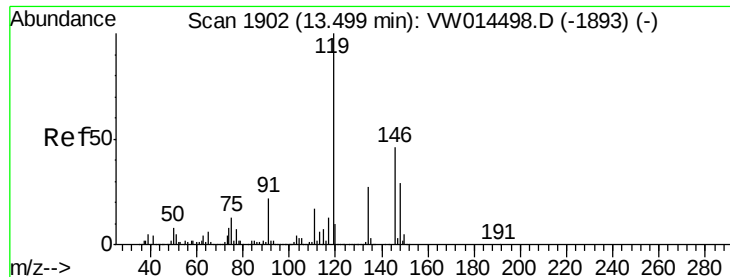
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.630 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

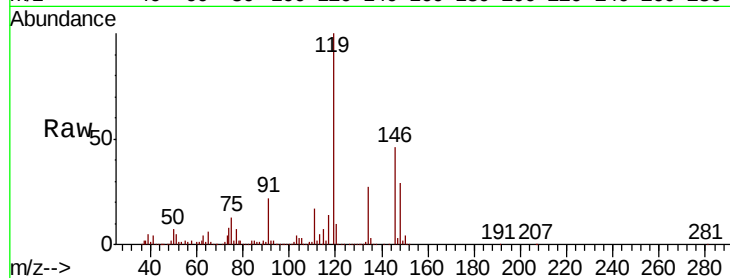
Tot Ion:146 Resp: 922569

Ion Ratio Lower Upper

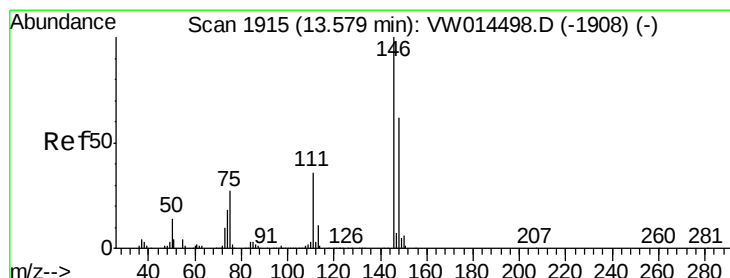
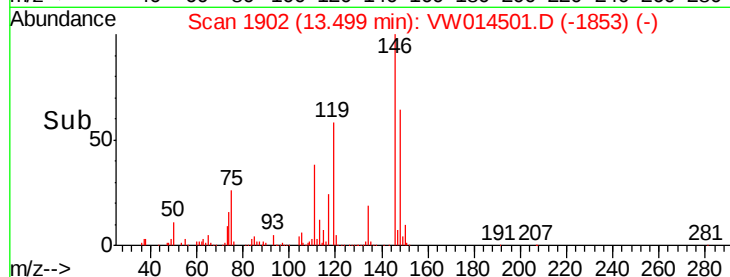
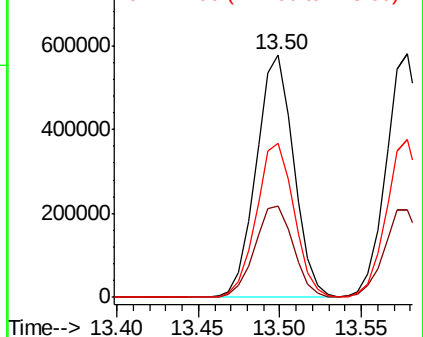
146 100

111 38.9 19.3 57.9

148 64.3 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 53.053 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

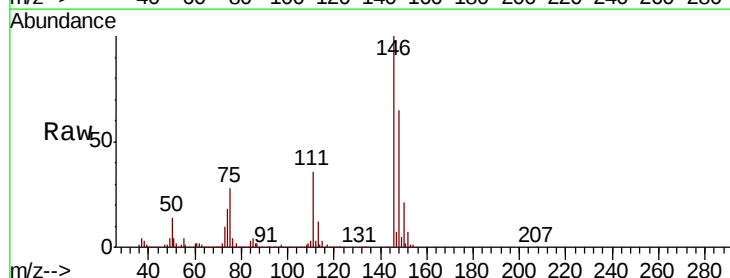
Tgt Ion:146 Resp: 918126

Ion Ratio Lower Upper

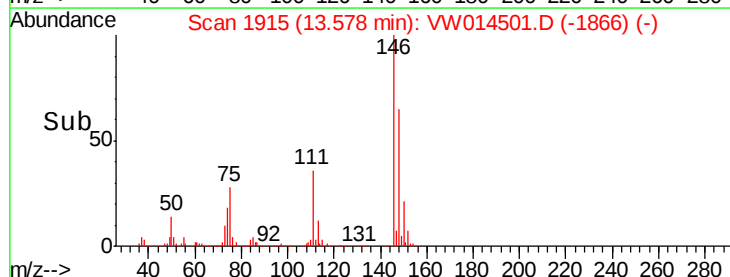
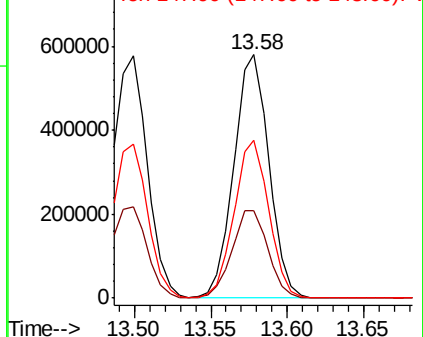
146 100

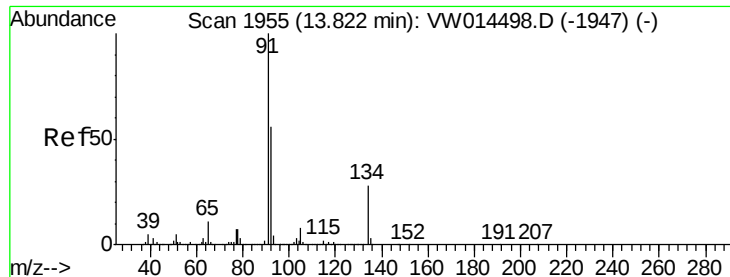
111 37.0 18.7 56.1

148 64.1 31.7 95.1



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





#89

n-Butylbenzene

Concen: 55.472 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014501.D

Acq: 03 Jan 2020 16:19

Instrument :

MSVOA_W

ClientSampleId :

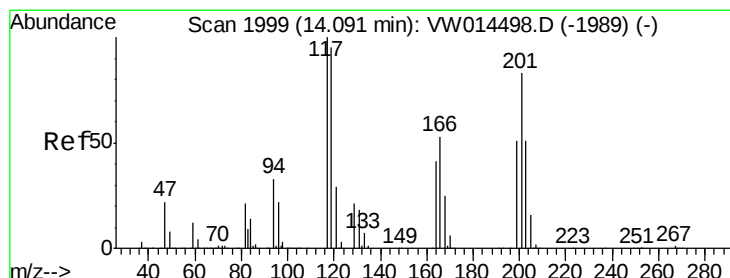
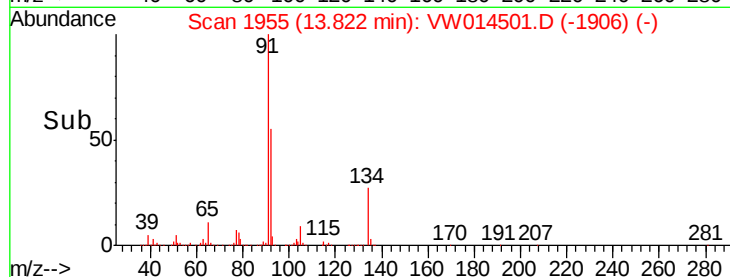
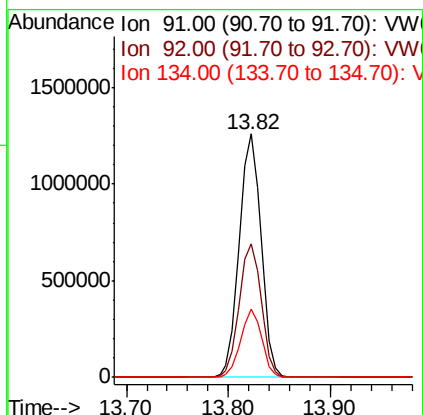
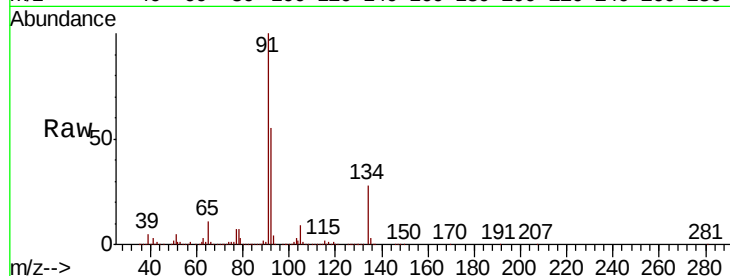
Tot Ion: 91 Resp: 1854348

Ion Ratio Lower Upper

91 100

92 55.6 27.5 82.5

134 27.1 13.7 41.1



#90

Hexachloroethane

Concen: 54.266 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014501.D

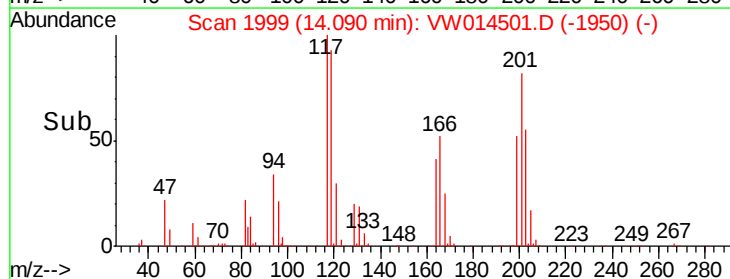
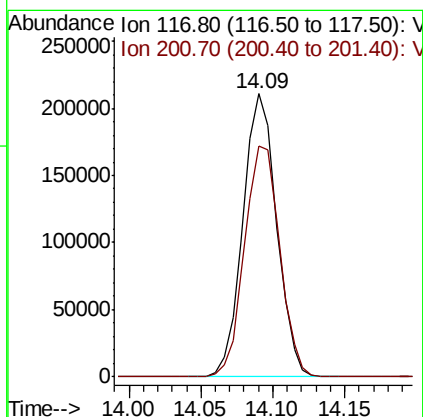
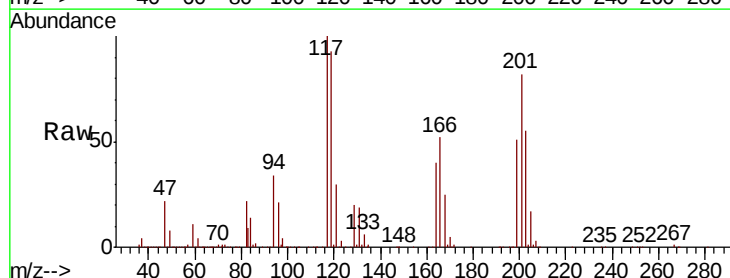
Acq: 03 Jan 2020 16:19

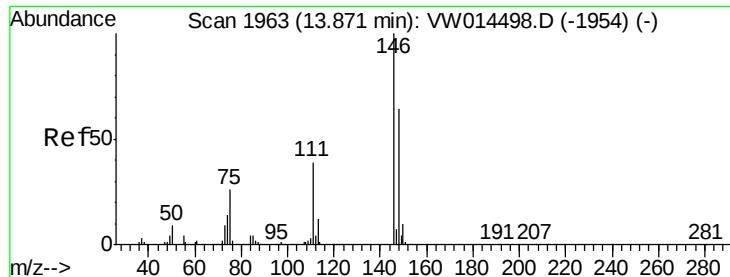
Tgt Ion: 117 Resp: 341253

Ion Ratio Lower Upper

117 100

201 85.1 43.0 128.8

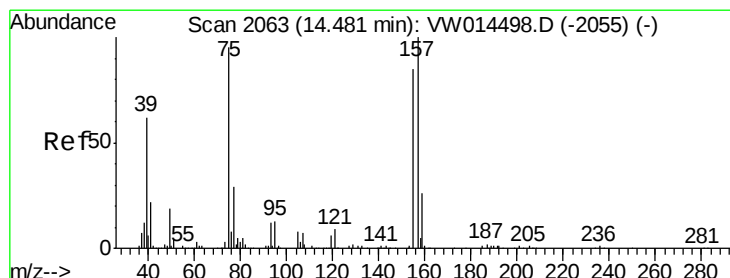
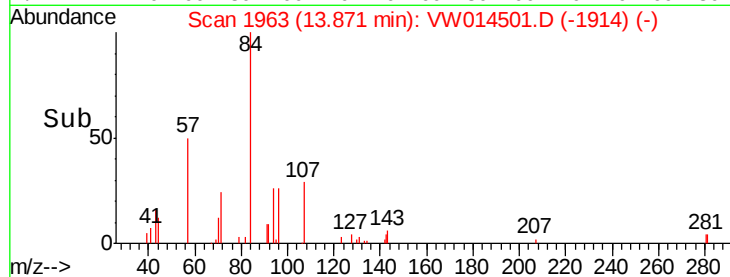
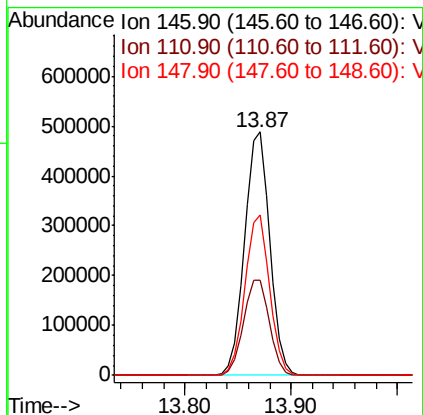
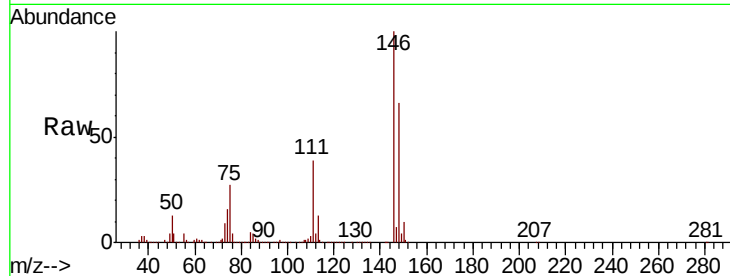




#91
 1,2-Dichlorobenzene
 Concen: 52.657 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

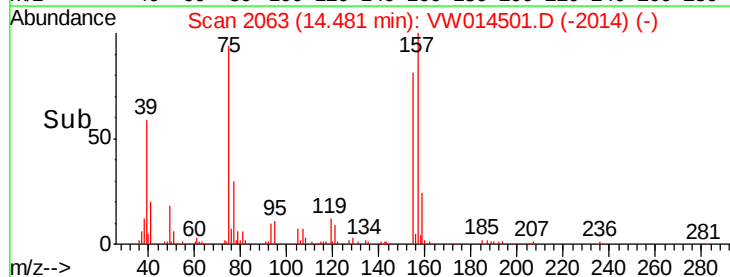
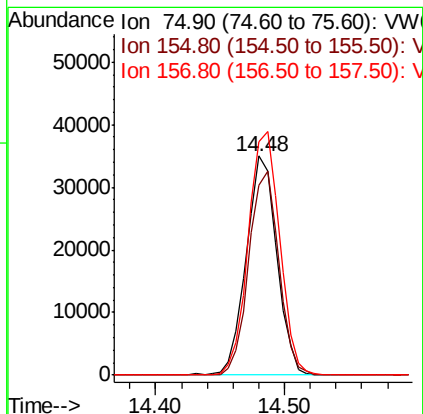
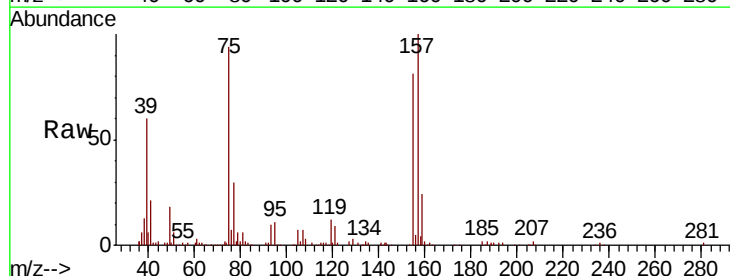
Instrument :
 MSVOA_W
 ClientSampleId :

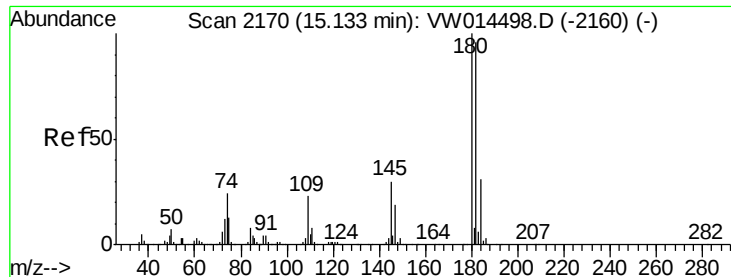
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.609 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	45.8	137.4
157	114.0	58.1	174.2

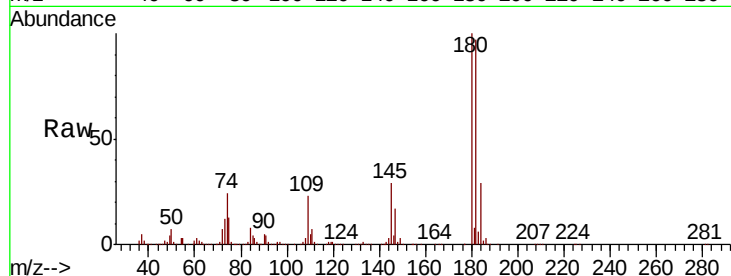




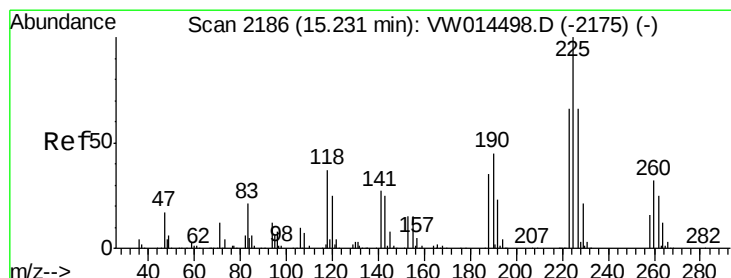
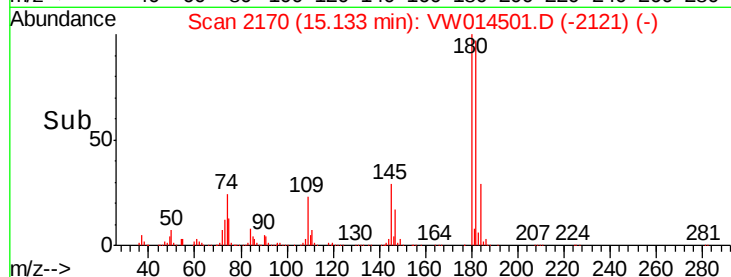
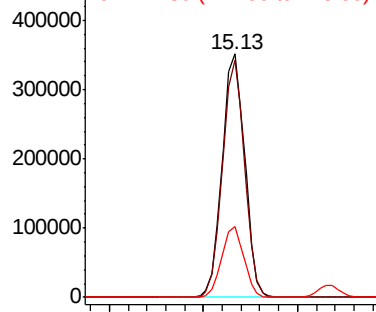
#93
 1,2,4-Trichlorobenzene
 Concen: 56.661 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	28.7	14.7	44.1

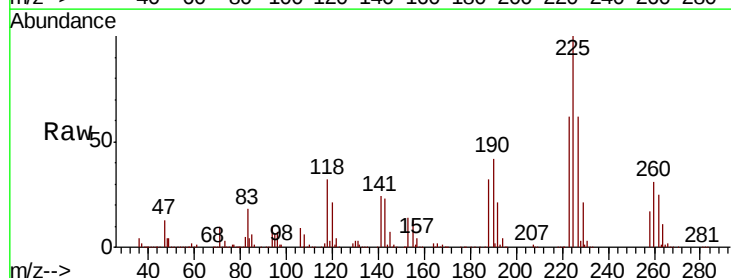


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

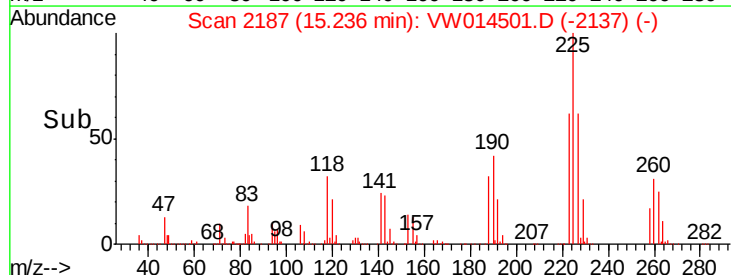
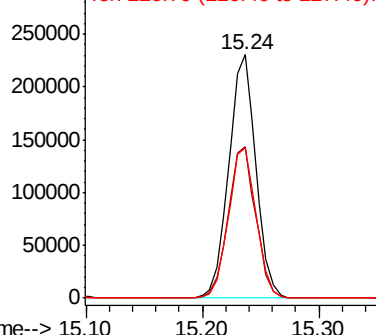


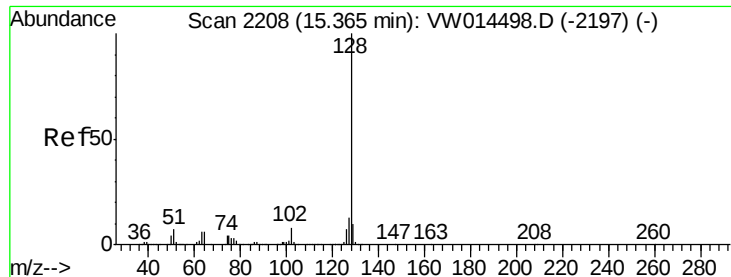
#94
 Hexachlorobutadiene
 Concen: 53.604 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014501.D
 Acq: 03 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.4	97.2
227	62.9	32.6	97.8



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

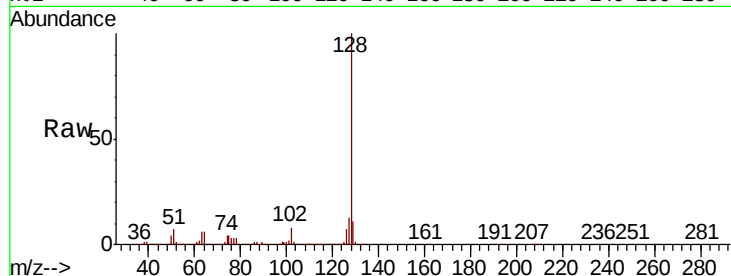




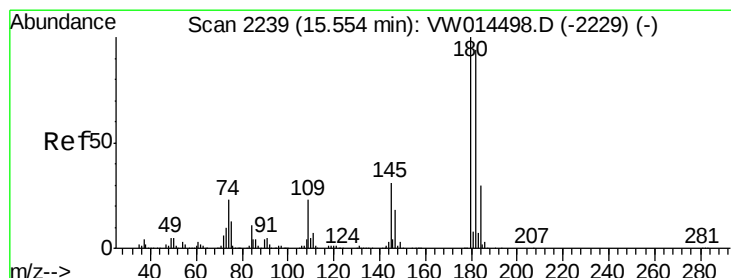
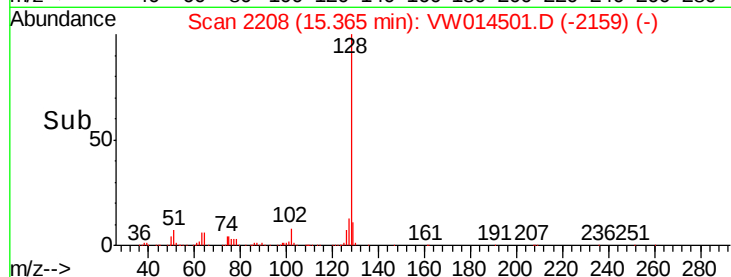
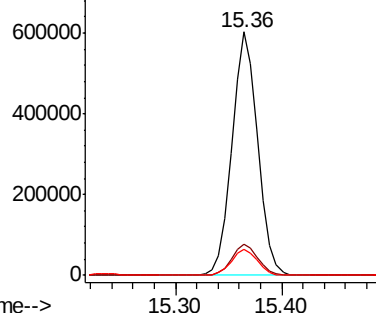
#95
Naphthalene
Concen: 57.331 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 1017279
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1

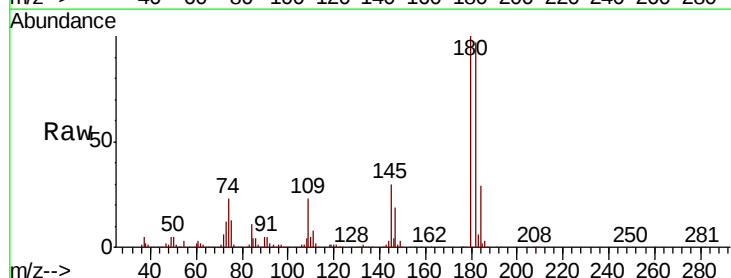


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.013 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014501.D
Acq: 03 Jan 2020 16:19

Tgt Ion:180 Resp: 507981
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.2
145 30.2 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

