

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082820\
 Data File : VW016402.D
 Acq On : 28 Aug 2020 15:20
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

Quant Time: Aug 28 18:44:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128881	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	98578	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	7.88	113	96430	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.32	98	371197	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.62	95	139221	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56973	51.686	ug/l	95
3) Chloromethane	2.21	50	49232	46.426	ug/l	99
4) Vinyl Chloride	2.36	62	70885	45.862	ug/l	100
5) Bromomethane	2.78	94	51698	47.368	ug/l	92
6) Chloroethane	2.92	64	44234	48.080	ug/l	94
7) Trichlorofluoromethane	3.26	101	91555	48.994	ug/l	97
8) Diethyl Ether	3.68	74	44819	47.648	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89456	49.043	ug/l	98
10) Methyl Iodide	4.27	142	131575	47.202	ug/l	98
11) Tert butyl alcohol	5.20	59	28031	236.260	ug/l	99
12) 1,1-Dichloroethene	4.04	96	88421	47.504	ug/l	99
13) Acrolein	3.90	56	19051	211.217	ug/l	99
14) Allyl chloride	4.67	41	114309	49.131	ug/l	100
15) Acrylonitrile	5.37	53	83135	237.383	ug/l	99
16) Acetone	4.13	43	77795	233.989	ug/l	100
17) Carbon Disulfide	4.38	76	250374	47.911	ug/l	99
18) Methyl Acetate	4.67	43	33028	43.565	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	135944	47.803	ug/l	97
20) Methylene Chloride	4.92	84	98406	46.578	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	100373	48.112	ug/l	97
22) Diisopropyl ether	6.31	45	220987	47.983	ug/l	99
23) Vinyl Acetate	6.26	43	692441	245.336	ug/l	100
24) 1,1-Dichloroethane	6.21	63	159088	47.911	ug/l	99
25) 2-Butanone	7.17	43	107493	238.295	ug/l	94
26) 2,2-Dichloropropane	7.17	77	115967	45.220	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	108302	47.916	ug/l	99
28) Bromochloromethane	7.51	49	58086	48.160	ug/l	100
29) Tetrahydrofuran	7.54	42	63972	237.564	ug/l	99
30) Chloroform	7.68	83	176184	47.766	ug/l	99
31) Cyclohexane	7.96	56	139507	45.842	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	160676	48.370	ug/l	98
36) 1,1-Dichloropropene	8.09	75	141951	50.580	ug/l	99
37) Ethyl Acetate	7.25	43	47067	49.505	ug/l	99
38) Carbon Tetrachloride	8.07	117	154813	50.342	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175083	51.523	ug/l	98
40) Benzene	8.32	78	374320	49.819	ug/l	99
41) Methacrylonitrile	7.48	41	29019	53.011	ug/l	97
42) 1,2-Dichloroethane	8.40	62	112489	49.083	ug/l	100
43) Isopropyl Acetate	8.43	43	94091	49.592	ug/l	99
44) Trichloroethene	9.09	130	109613	48.757	ug/l	95
45) 1,2-Dichloropropane	9.37	63	85322	48.950	ug/l	97
46) Dibromomethane	9.46	93	52122	50.330	ug/l	99
47) Bromodichloromethane	9.65	83	133693	50.055	ug/l	99
48) Methyl methacrylate	9.44	41	45174	49.939	ug/l	96
49) 1,4-Dioxane	9.46	88	14045	995.638	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	231202	246.444	ug/l	99
52) Toluene	10.39	92	252660	50.155	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	132199	50.894	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	151638	50.102	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	72999	49.439	ug/l	95
56) Ethyl methacrylate	10.65	69	89540	51.894	ug/l	97
57) 1,3-Dichloropropane	10.93	76	121946	49.705	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	193874	250.238	ug/l	99
59) 2-Hexanone	10.97	43	161780	252.763	ug/l	99
60) Dibromochloromethane	11.13	129	92789	49.700	ug/l	98
61) 1,2-Dibromoethane	11.24	107	72529	50.087	ug/l	98
64) Tetrachloroethene	10.87	164	92246	50.925	ug/l	90
65) Chlorobenzene	11.66	112	273561	50.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	101830	50.637	ug/l	99
67) Ethyl Benzene	11.73	91	500275	51.596	ug/l	99
68) m/p-Xylenes	11.84	106	374492	101.163	ug/l	99
69) o-Xylene	12.16	106	177086	52.019	ug/l	95
70) Styrene	12.18	104	303327	52.282	ug/l	99
71) Bromoform	12.35	173	52210	51.022	ug/l #	99
73) Isopropylbenzene	12.46	105	501334	52.754	ug/l	99
74) N-amyl acetate	12.27	43	87240	52.457	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	78781	50.358	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	103741	91.030	ug/l #	1
77) Bromobenzene	12.74	156	113333	51.300	ug/l	99
78) n-propylbenzene	12.80	91	580904	52.071	ug/l	98
79) 2-Chlorotoluene	12.89	91	338593	51.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	429554	51.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	26266	51.170	ug/l	98
82) 4-Chlorotoluene	12.99	91	345726	50.332	ug/l	99
83) tert-Butylbenzene	13.21	119	363928	51.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	427697	51.446	ug/l	100
85) sec-Butylbenzene	13.38	105	499133	51.478	ug/l	99
86) p-Isopropyltoluene	13.50	119	472940	52.249	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	216498	51.054	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	214237	50.214	ug/l	99
89) n-Butylbenzene	13.82	91	431855	51.965	ug/l	99
90) Hexachloroethane	14.10	117	86023	50.616	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	194180	51.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14016	49.289	ug/l	93

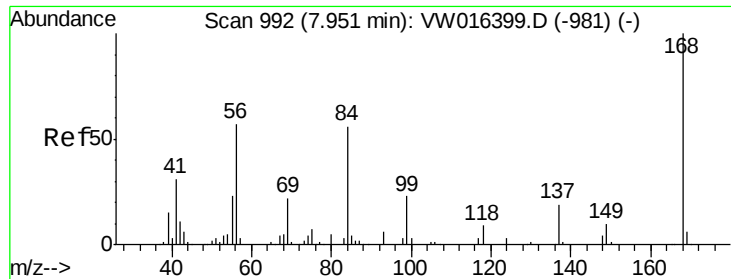
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	129729	51.446	ug/l	97
94) Hexachlorobutadiene	15.24	225	79108	52.547	ug/l	99
95) Naphthalene	15.36	128	255195	54.687	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	113152	51.212	ug/l	96

(#) = 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. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

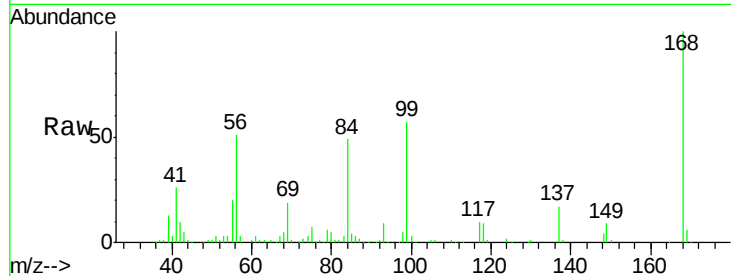
ICVW082820

Tgt Ion:168 Resp: 195585

Ion Ratio Lower Upper

168 100

99 56.9 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

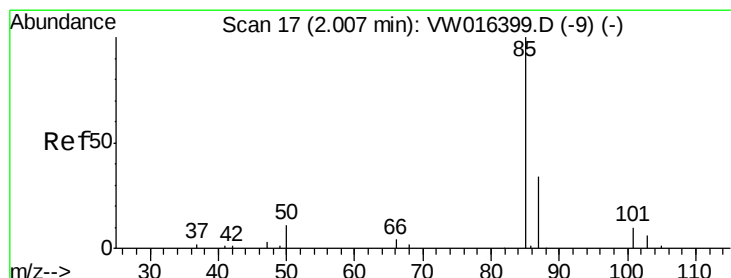
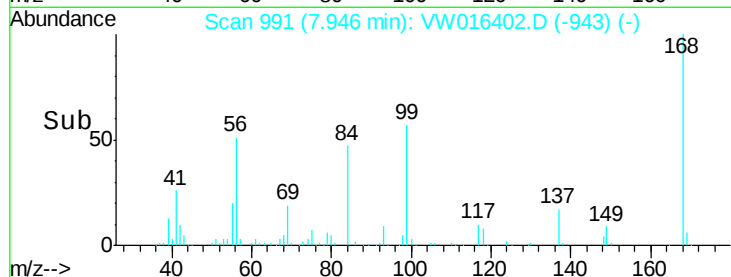
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.686 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016402.D

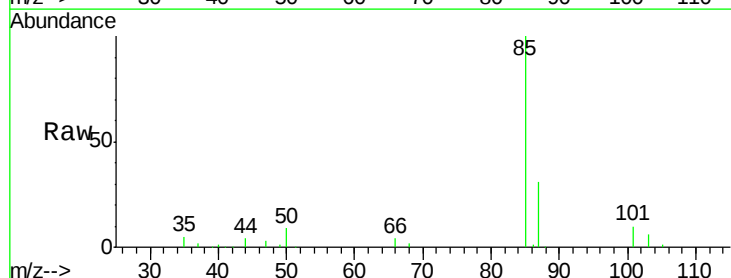
Acq: 28 Aug 2020 15:20

Tgt Ion: 85 Resp: 56973

Ion Ratio Lower Upper

85 100

87 31.0 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

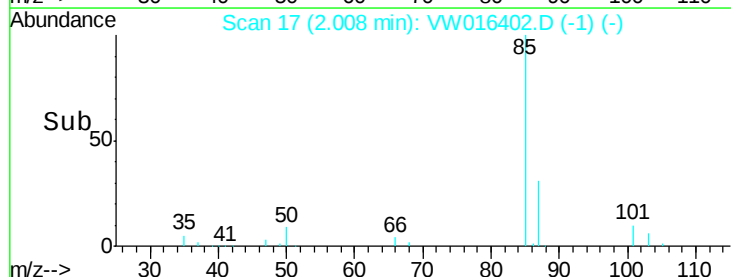
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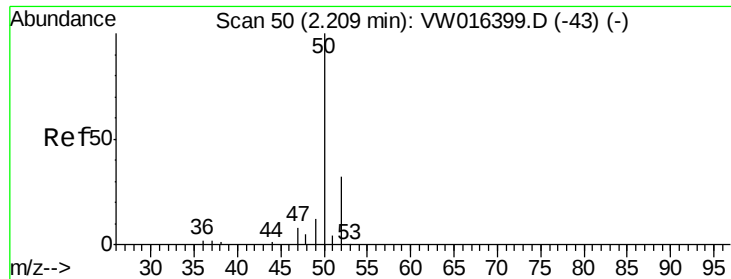
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Time-->

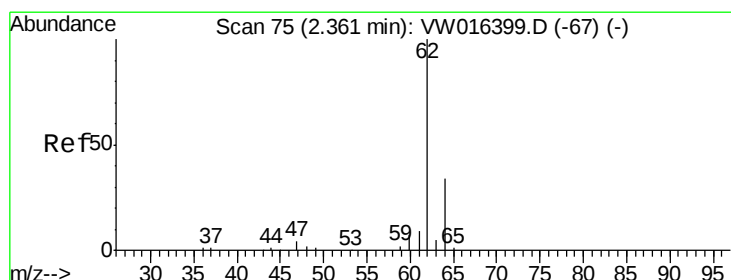
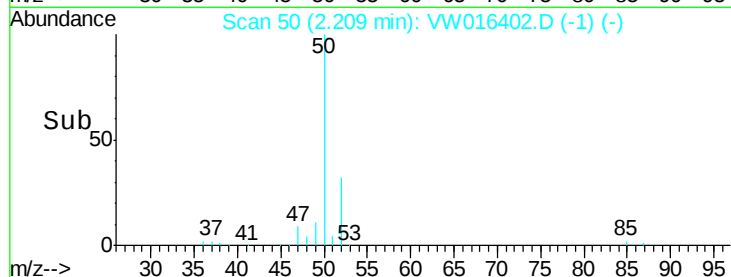
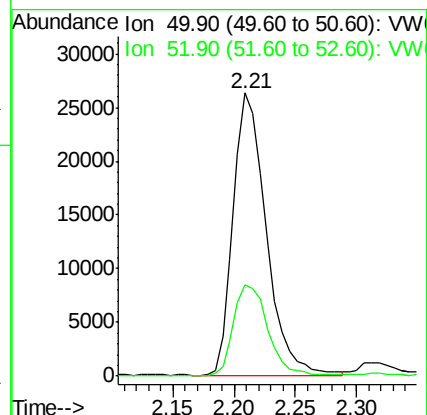
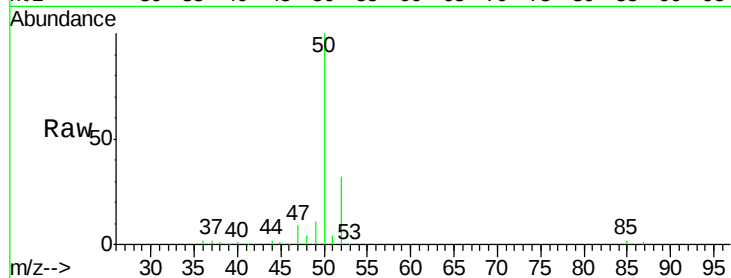




#3
Chloromethane
Concen: 46.426 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

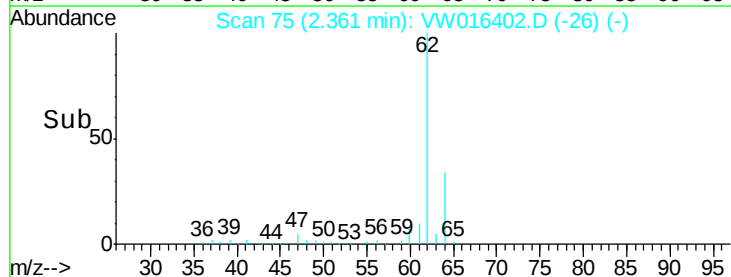
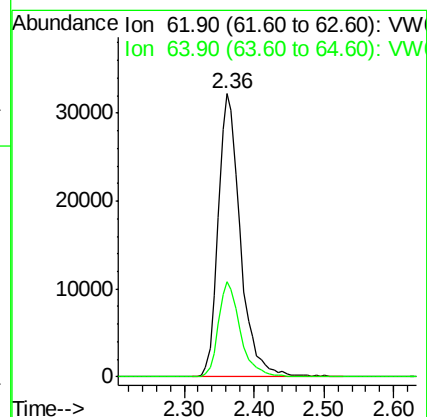
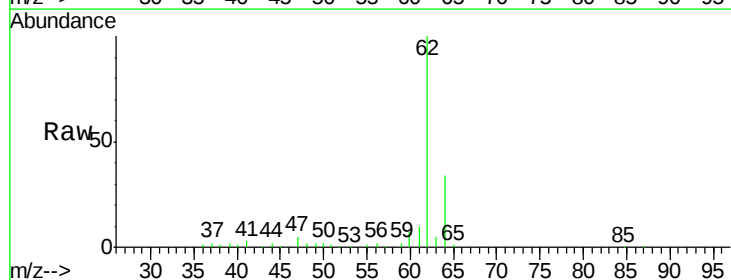
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

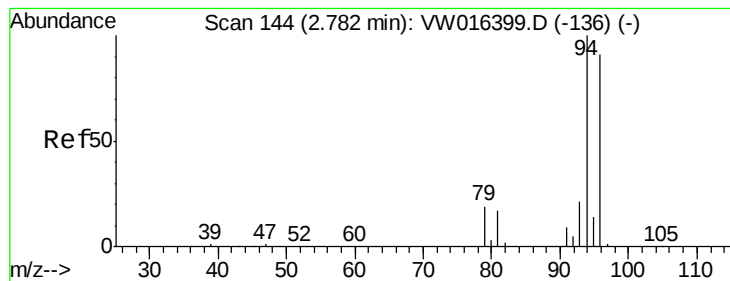
Tgt Ion: 50 Resp: 49232
Ion Ratio Lower Upper
50 100
52 32.5 25.5 38.3



#4
Vinyl Chloride
Concen: 45.862 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 62 Resp: 70885
Ion Ratio Lower Upper
62 100
64 33.7 27.2 40.8





#5

Bromomethane

Concen: 47.368 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

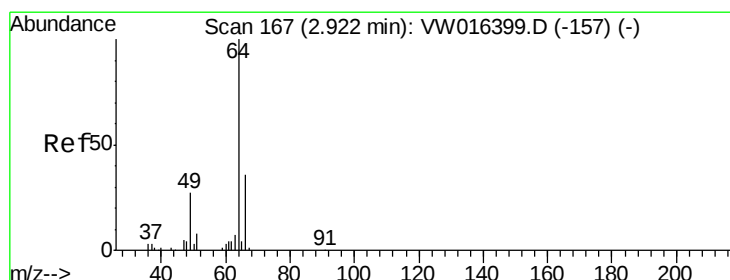
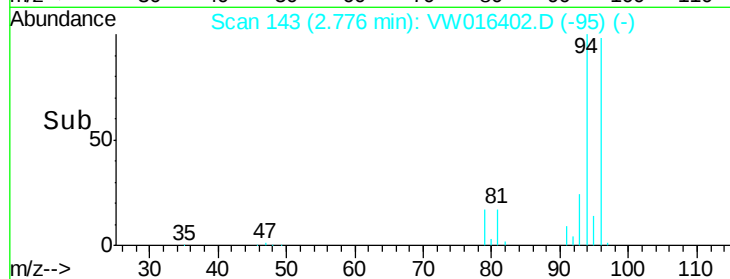
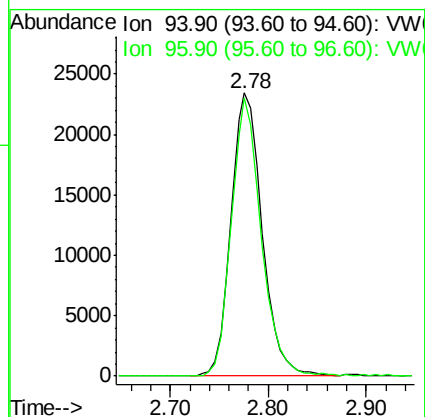
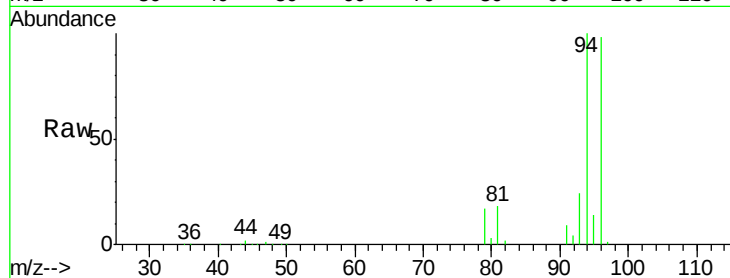
ICVW082820

Tgt Ion: 94 Resp: 51698

Ion Ratio Lower Upper

94 100

96 98.2 72.6 109.0



#6

Chloroethane

Concen: 48.080 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW016402.D

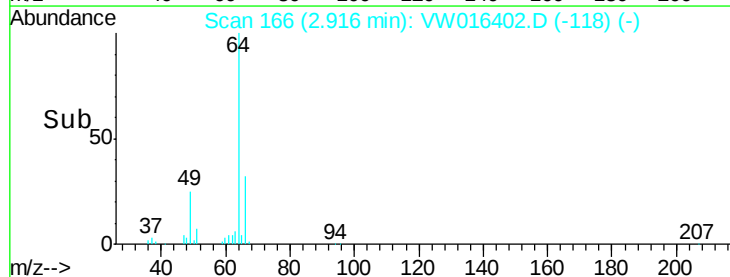
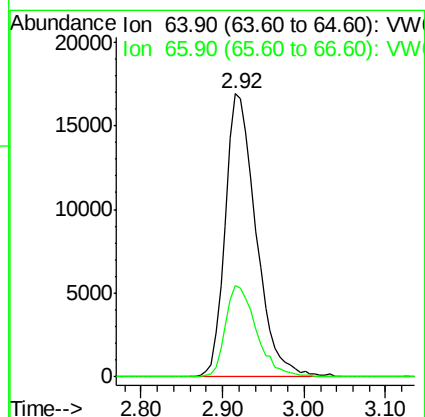
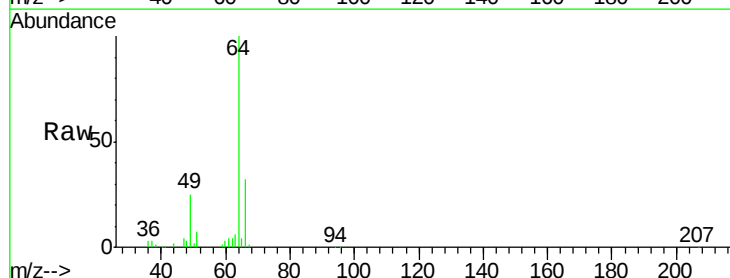
Acq: 28 Aug 2020 15:20

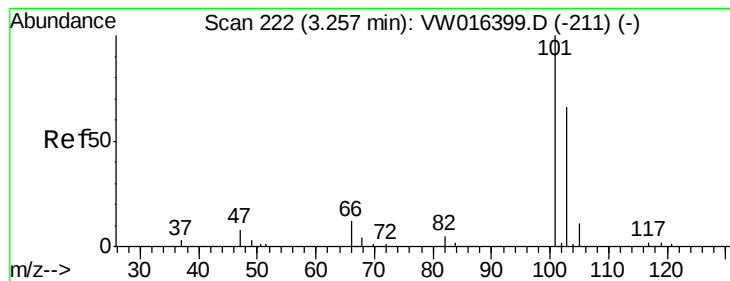
Tgt Ion: 64 Resp: 44234

Ion Ratio Lower Upper

64 100

66 32.4 28.7 43.1



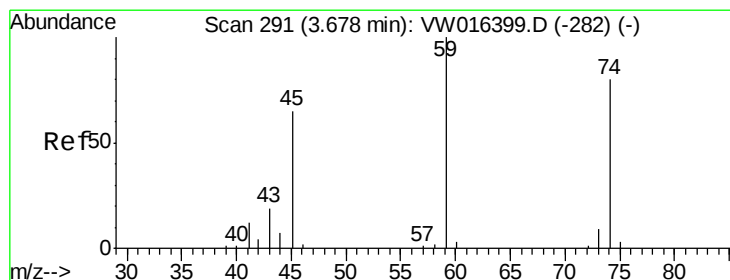
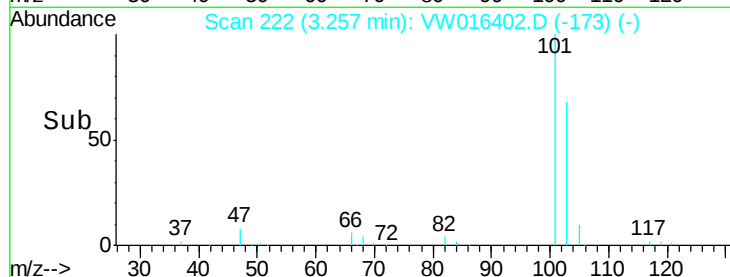
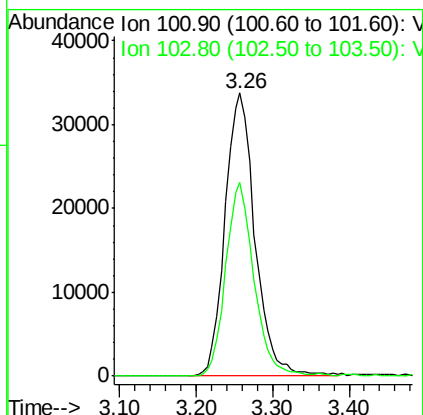
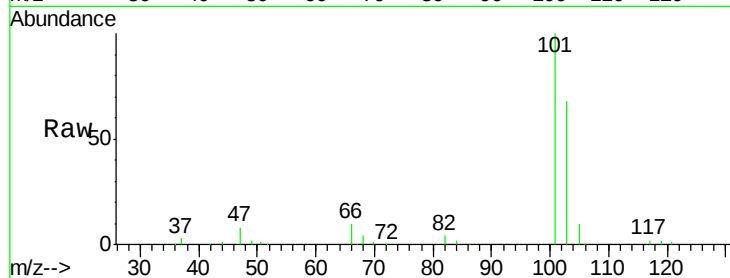


#7

Trichlorofluoromethane
 Concen: 48.994 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Instrument :
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 ClientSampleId :
 ICVVW082820

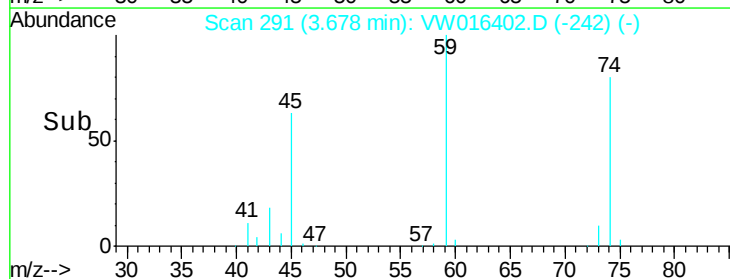
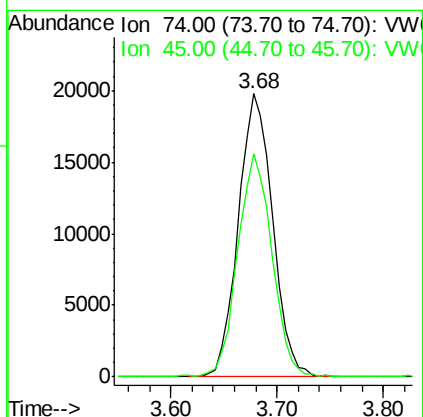
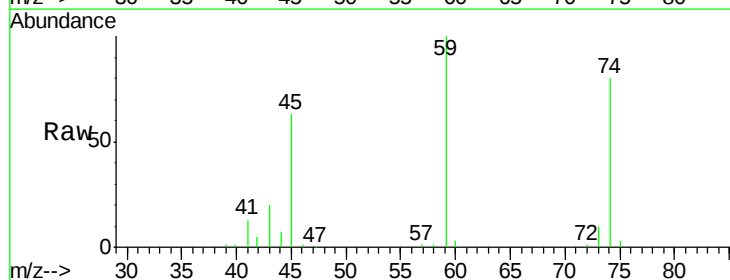
Tgt Ion:101 Resp: 91555
 Ion Ratio Lower Upper
 101 100
 103 68.3 53.0 79.4

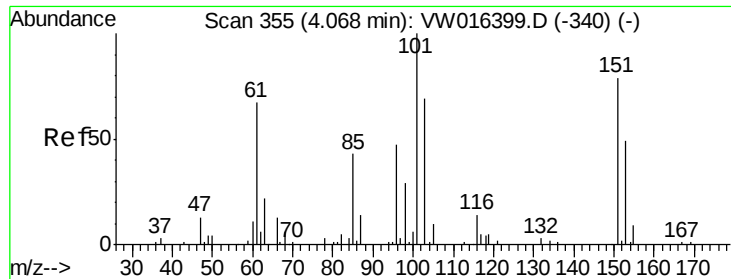


#8

Diethyl Ether
 Concen: 47.648 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion: 74 Resp: 44819
 Ion Ratio Lower Upper
 74 100
 45 79.1 42.0 126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.043 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

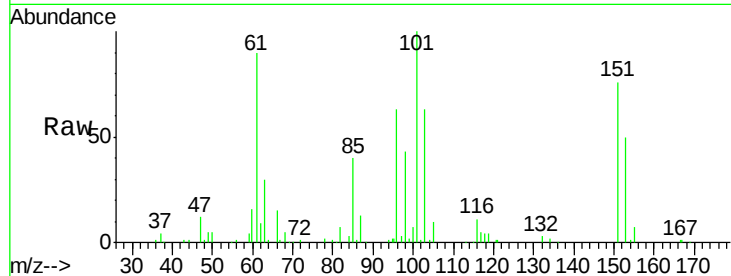
Tgt Ion:101 Resp: 89456

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.2

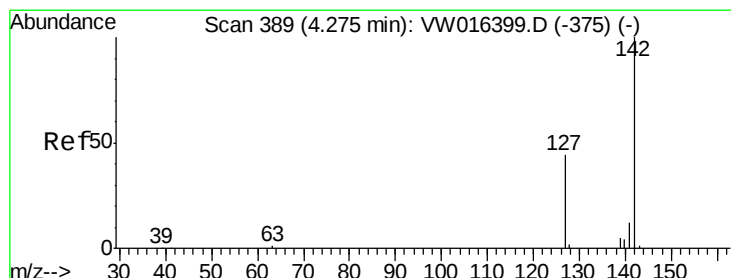
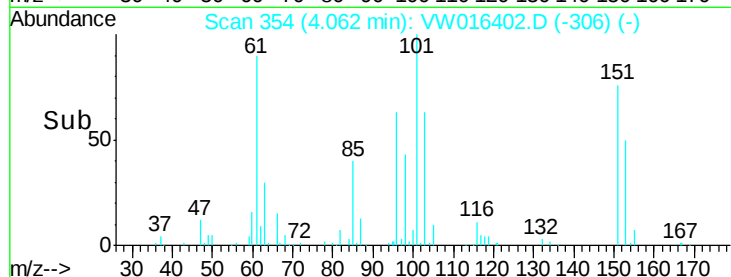
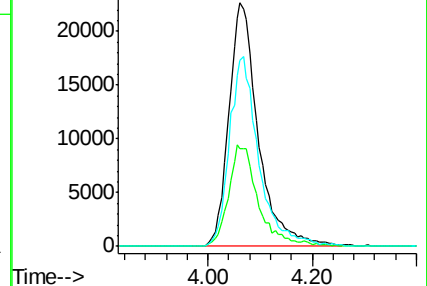
151 78.2 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.202 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

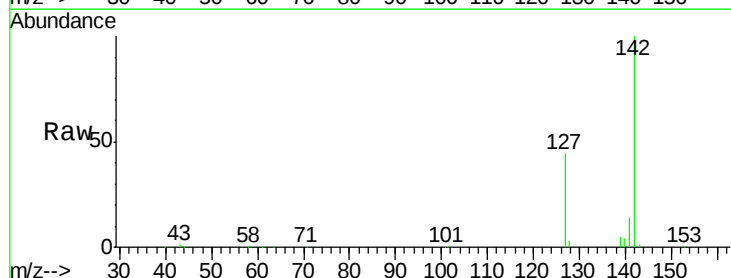
Tgt Ion:142 Resp: 131575

Ion Ratio Lower Upper

142 100

127 44.1 36.2 54.4

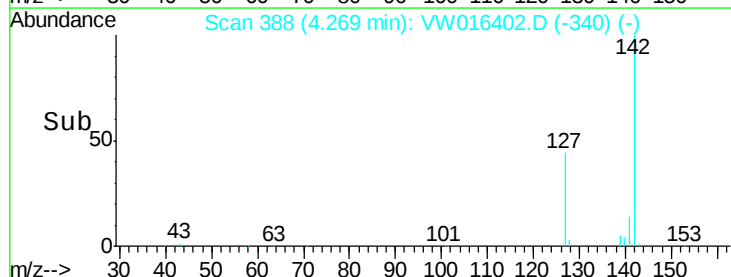
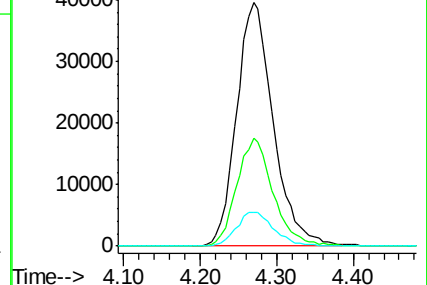
141 14.4 11.8 17.6

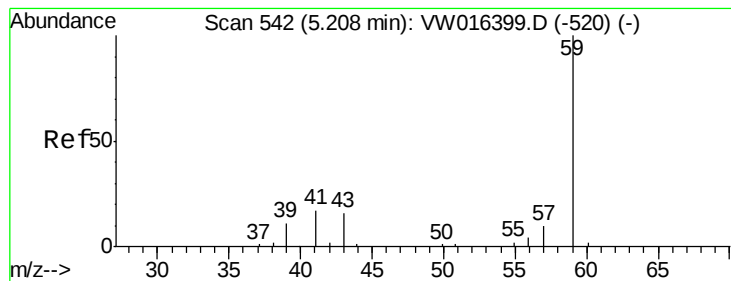


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



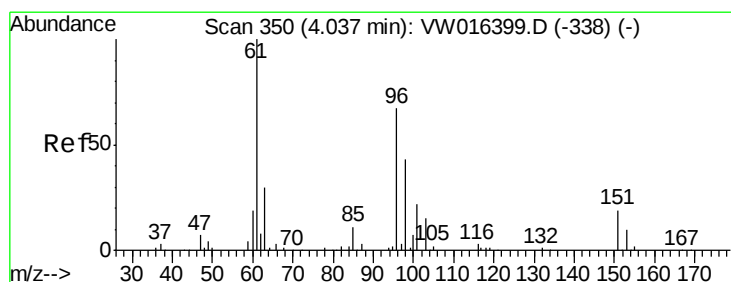
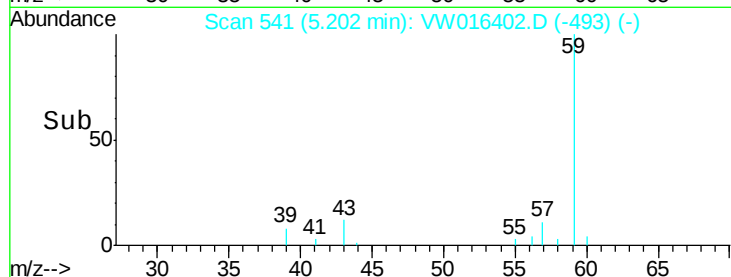
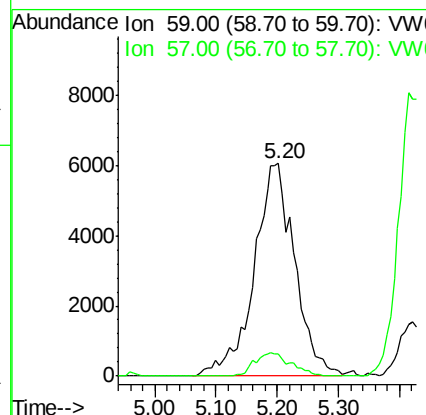
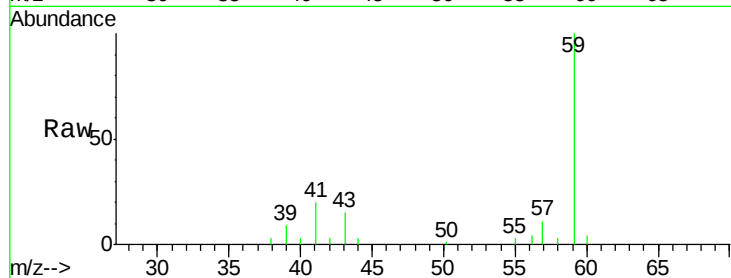


#11

Tert butyl alcohol
 Concen: 236.260 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

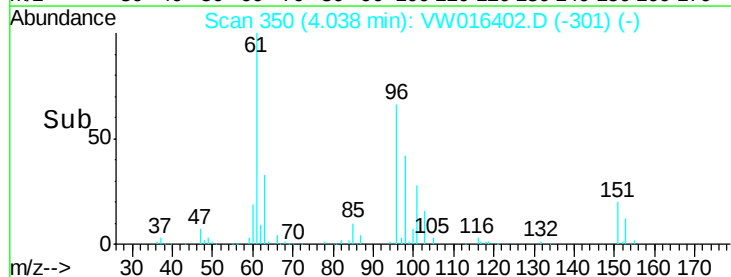
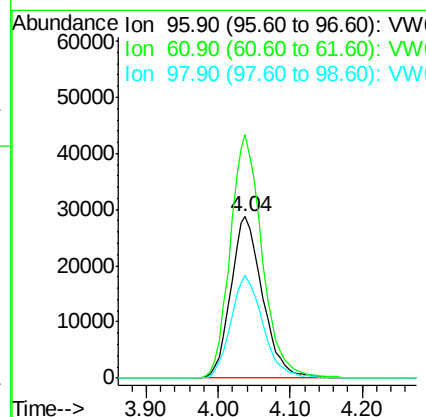
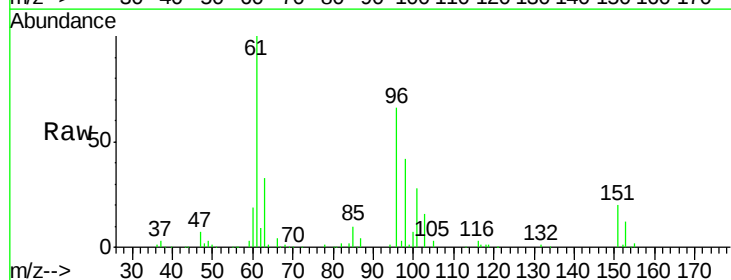
Tgt Ion: 59 Resp: 28031
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

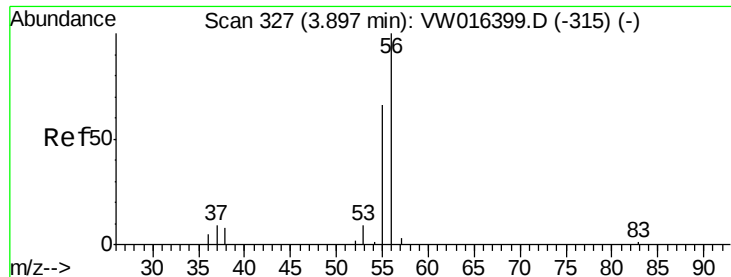


#12

1,1-Dichloroethene
 Concen: 47.504 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion: 96 Resp: 88421
 Ion Ratio Lower Upper
 96 100
 61 150.9 119.0 178.4
 98 63.7 50.6 76.0





#13

Acrolein

Concen: 211.217 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

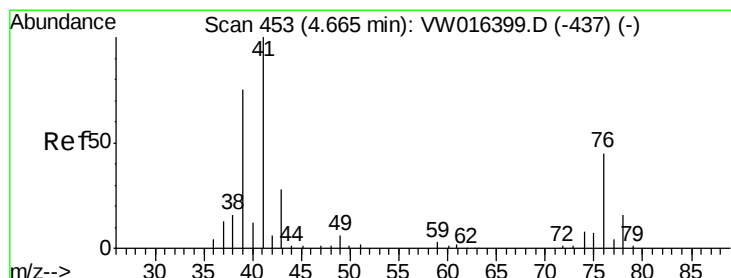
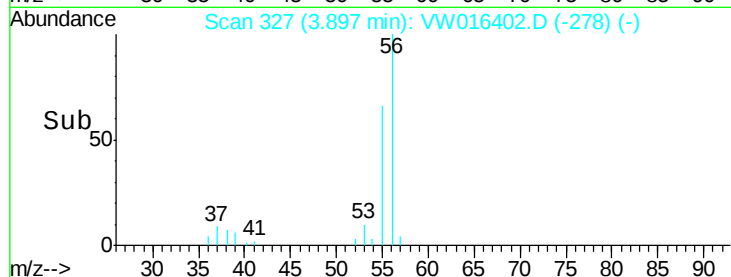
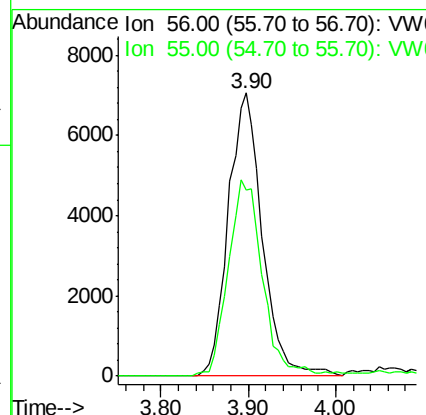
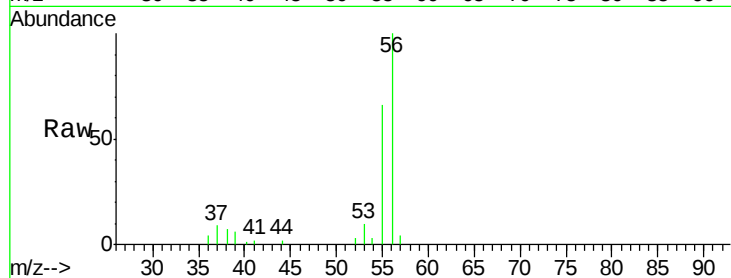
ICVW082820

Tgt Ion: 56 Resp: 19051

Ion Ratio Lower Upper

56 100

55 69.4 54.8 82.2



#14

Allyl chloride

Concen: 49.131 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

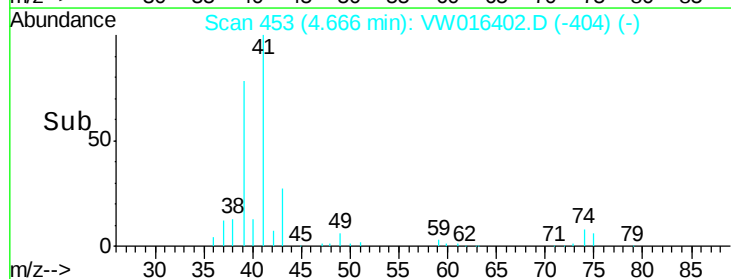
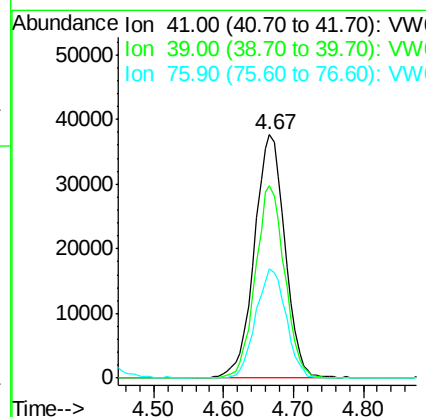
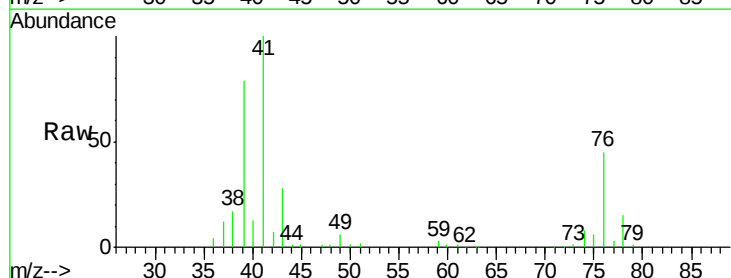
Tgt Ion: 41 Resp: 114309

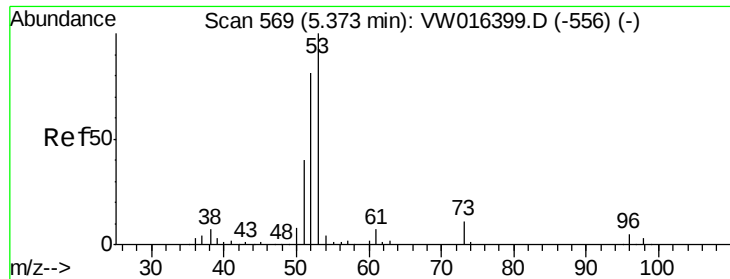
Ion Ratio Lower Upper

41 100

39 75.5 60.2 90.2

76 44.1 35.7 53.5





#15

Acrylonitrile

Concen: 237.383 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

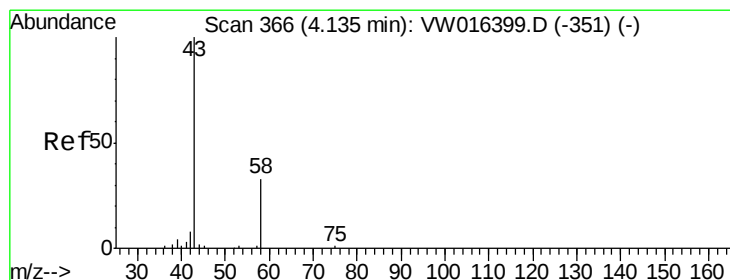
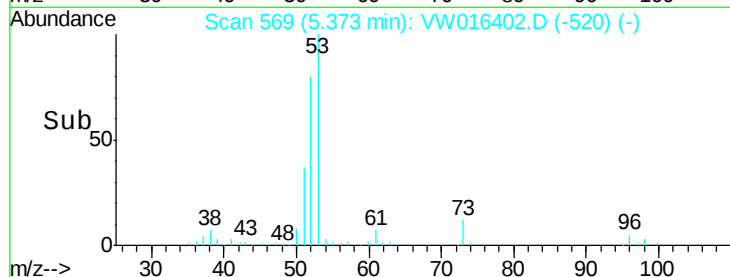
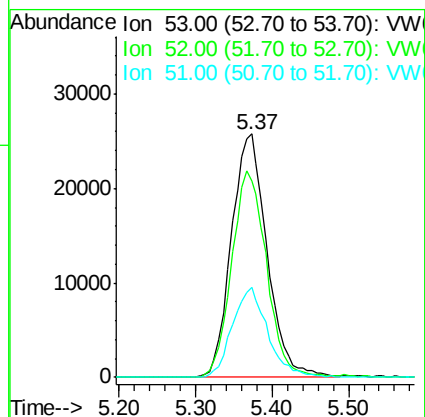
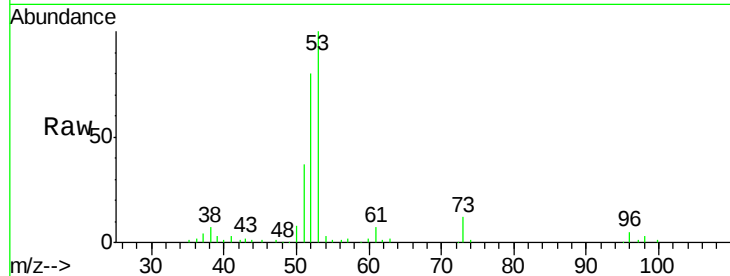
Tgt Ion: 53 Resp: 83135

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

51 36.9 29.9 44.9



#16

Acetone

Concen: 233.989 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016402.D

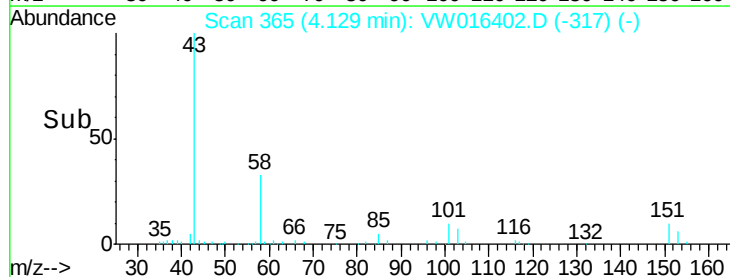
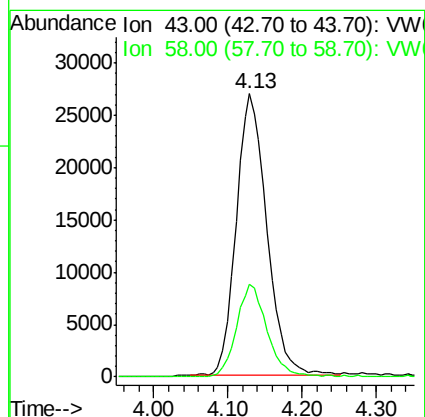
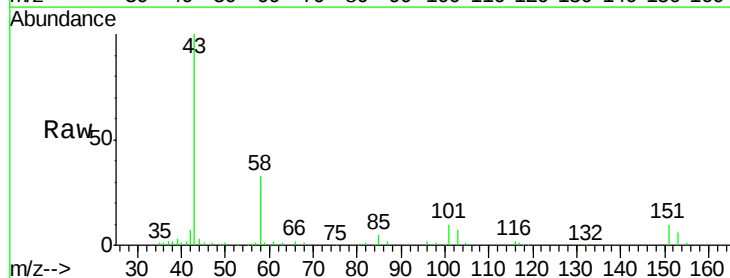
Acq: 28 Aug 2020 15:20

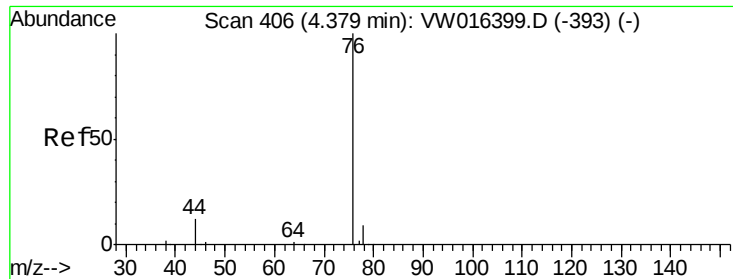
Tgt Ion: 43 Resp: 77795

Ion Ratio Lower Upper

43 100

58 33.0 26.6 39.8

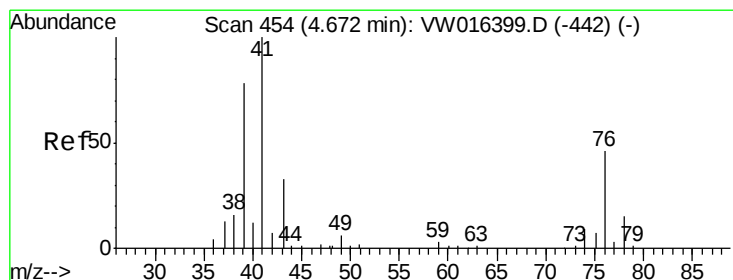
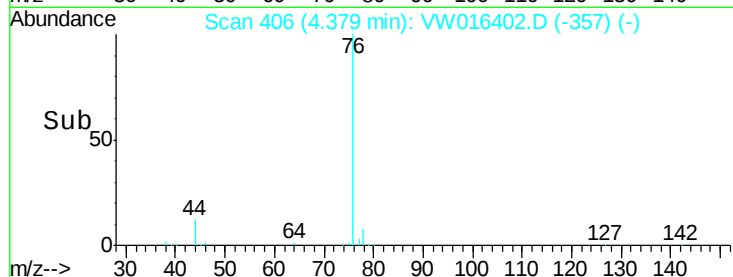
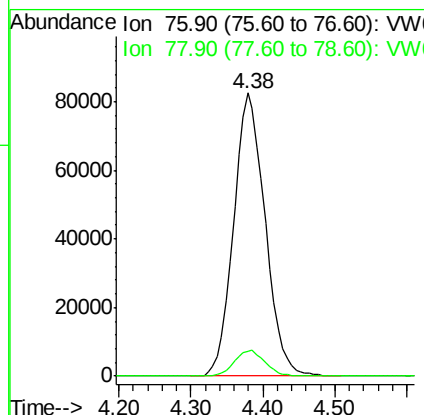
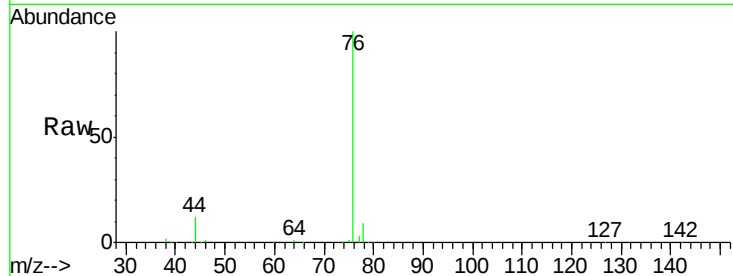




#17
Carbon Disulfide
Concen: 47.911 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

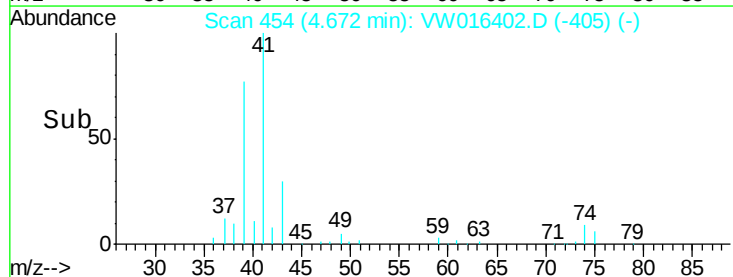
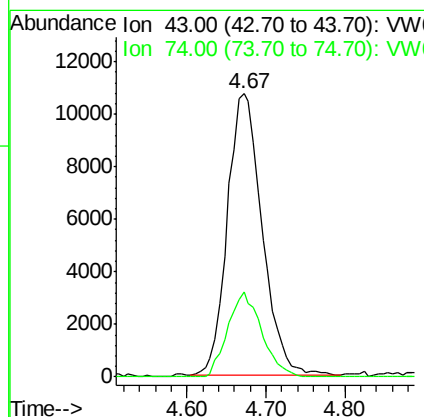
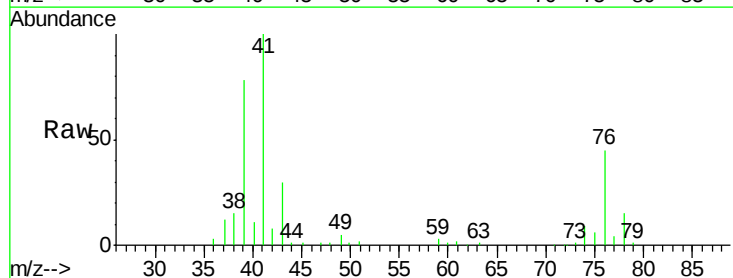
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

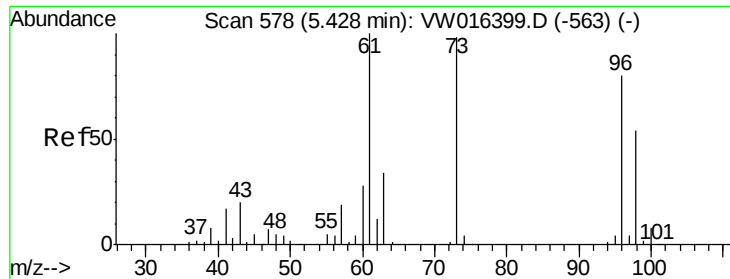
Tgt Ion: 76 Resp: 250374
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 43.565 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 43 Resp: 33028
Ion Ratio Lower Upper
43 100
74 29.2 23.2 34.8

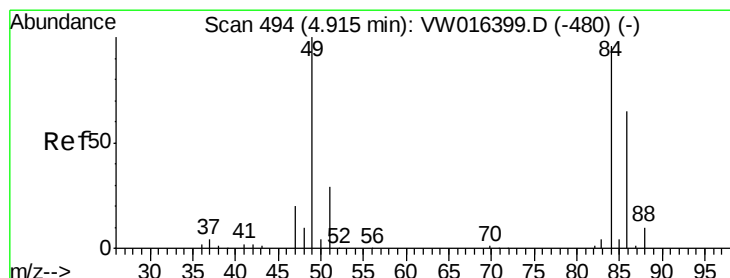
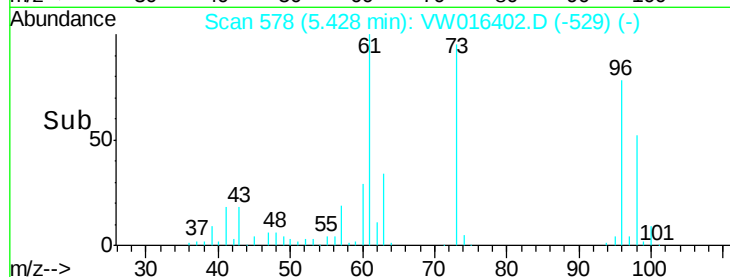
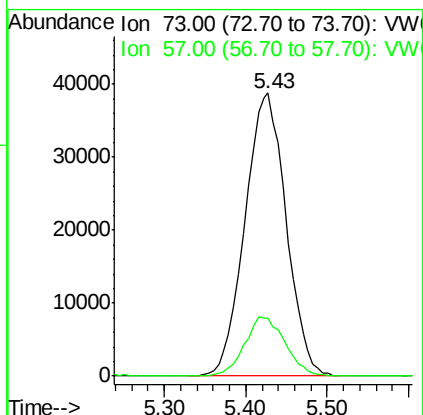
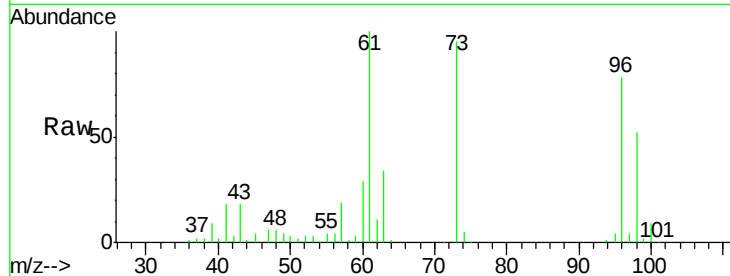




#19
Methyl tert-butyl Ether
Concen: 47.803 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

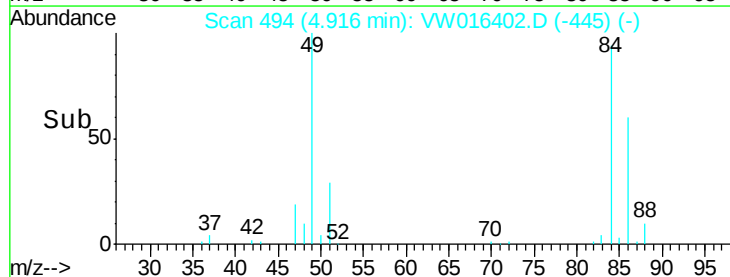
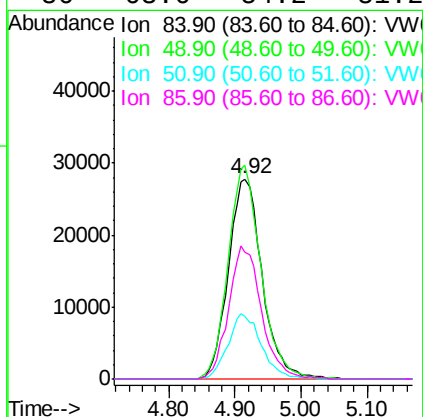
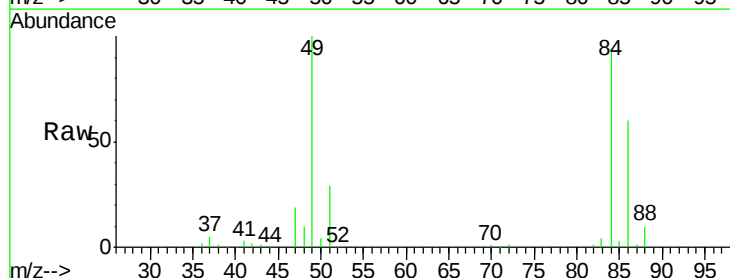
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

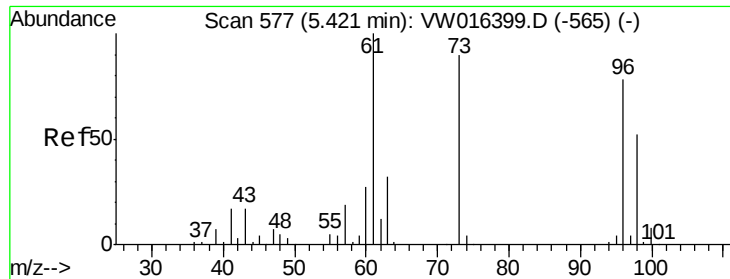
Tgt Ion: 73 Resp: 135944
Ion Ratio Lower Upper
73 100
57 20.3 15.0 22.6



#20
Methylene Chloride
Concen: 46.578 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 84 Resp: 98406
Ion Ratio Lower Upper
84 100
49 106.7 83.2 124.8
51 31.2 24.4 36.6
86 63.6 54.2 81.2





#21

trans-1,2-Dichloroethene

Concen: 48.112 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

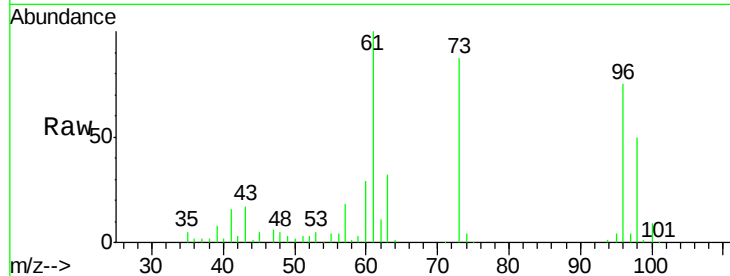
Tgt Ion: 96 Resp: 100373

Ion Ratio Lower Upper

96 100

61 133.1 103.0 154.6

98 66.4 53.8 80.6

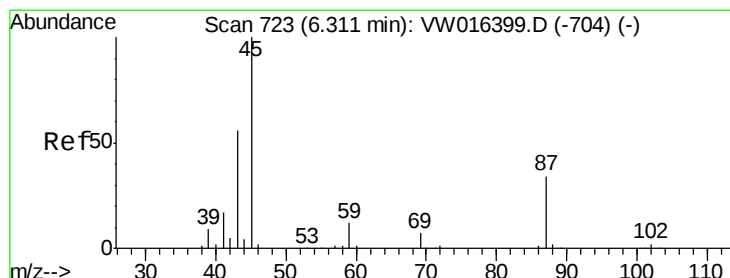
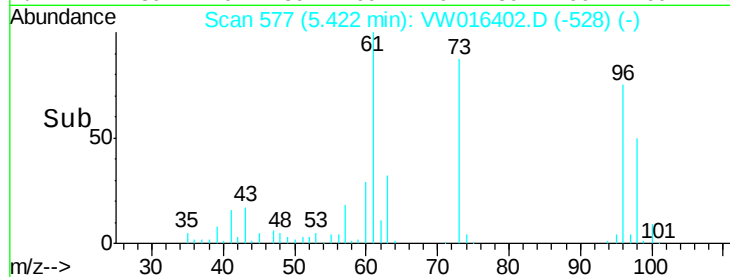
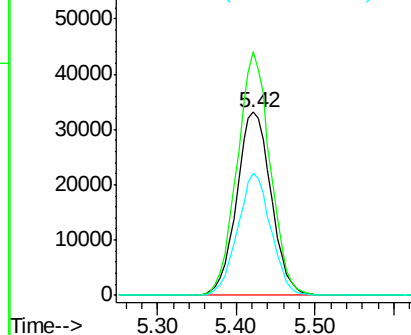


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 47.983 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Tgt Ion: 45 Resp: 220987

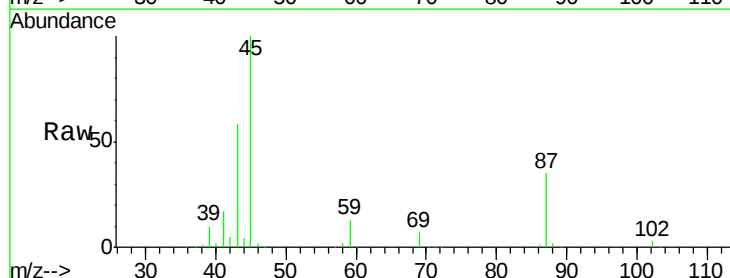
Ion Ratio Lower Upper

45 100

43 56.8 44.6 67.0

87 35.3 27.5 41.3

59 12.5 10.2 15.2



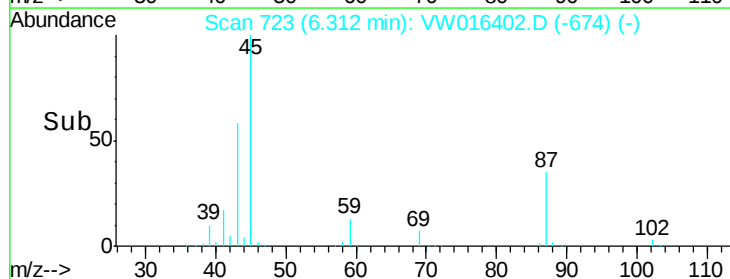
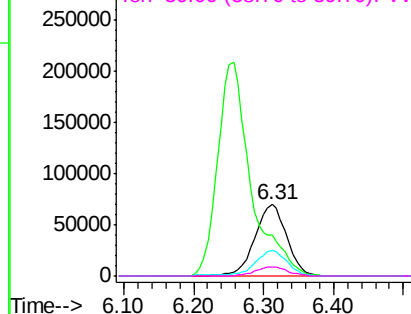
Abundance

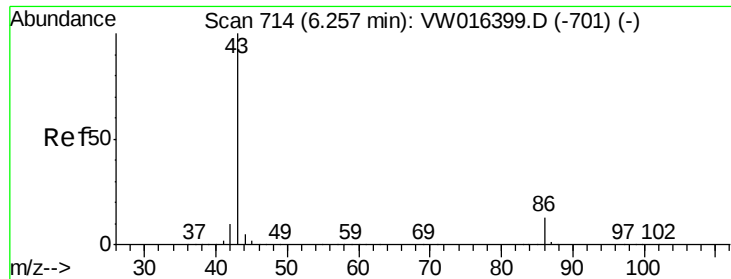
Ion 45.00 (44.70 to 45.70): VW

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: 245.336 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

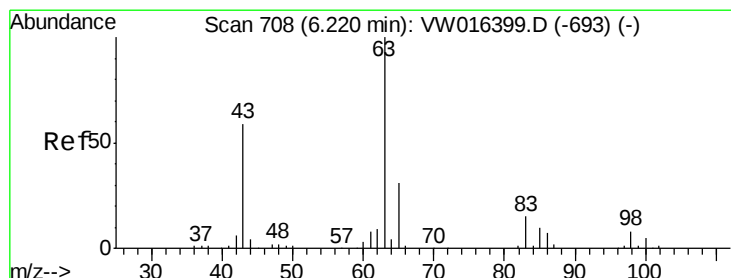
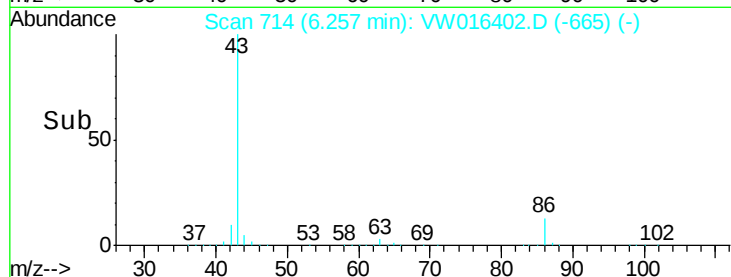
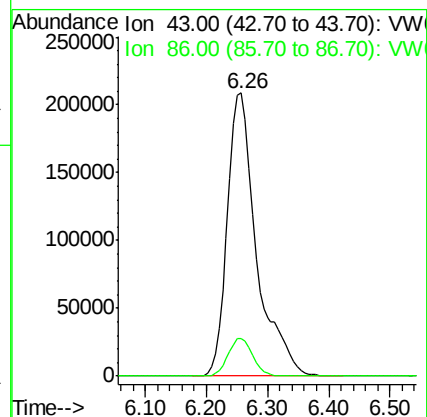
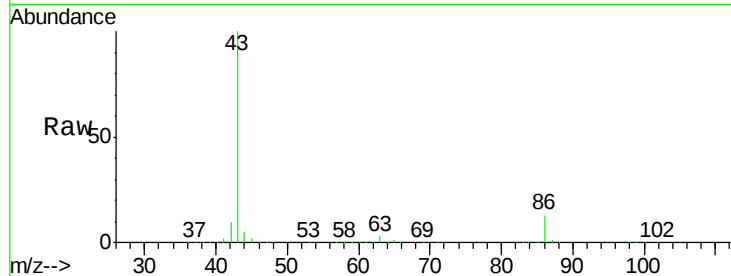
ICVW082820

Tgt Ion: 43 Resp: 692441

Ion Ratio Lower Upper

43 100

86 13.2 10.6 15.8



#24

1,1-Dichloroethane

Concen: 47.911 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

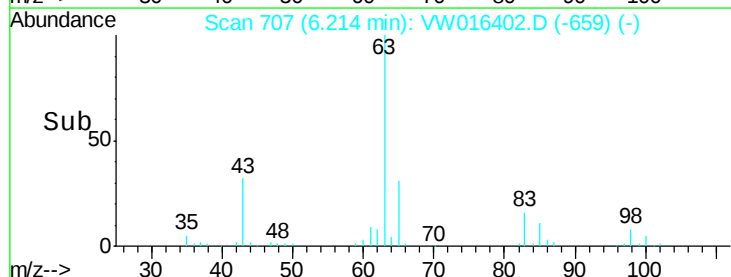
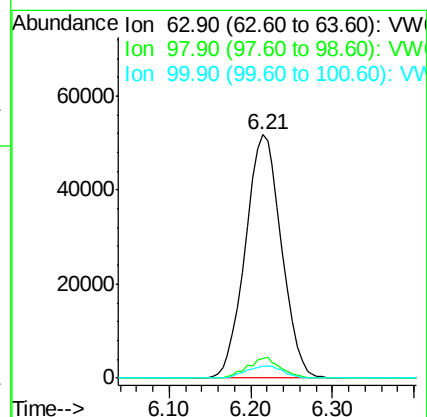
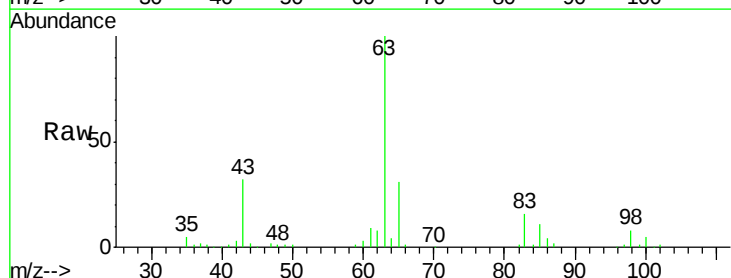
Tgt Ion: 63 Resp: 159088

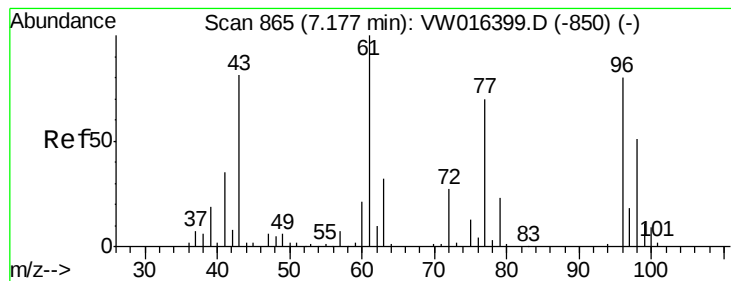
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 5.2 2.5 7.5





#25

2-Butanone

Concen: 238.295 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

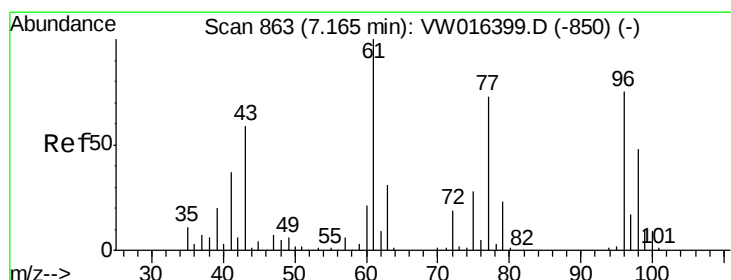
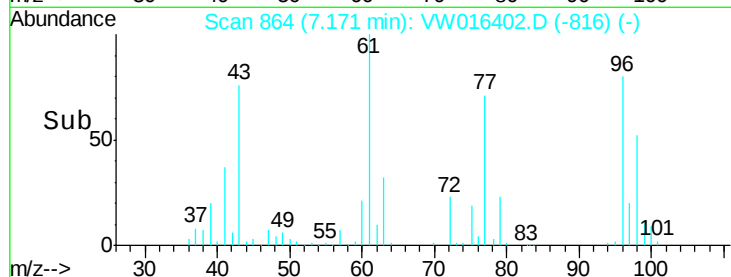
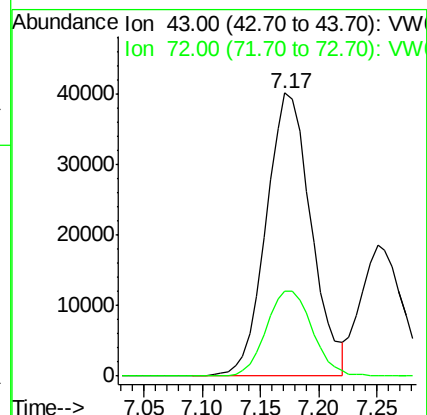
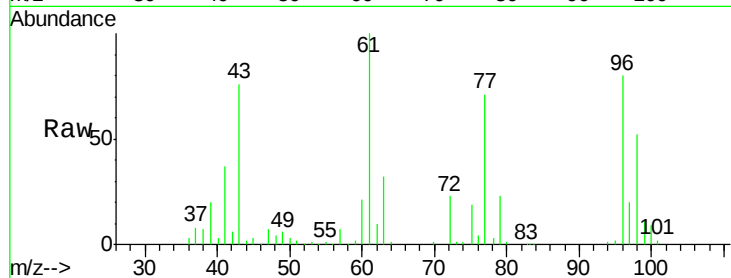
ICVW082820

Tgt Ion: 43 Resp: 107493

Ion Ratio Lower Upper

43 100

72 29.8 26.7 40.1



#26

2,2-Dichloropropane

Concen: 45.220 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW016402.D

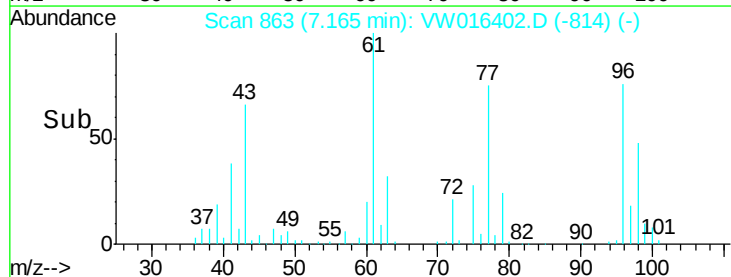
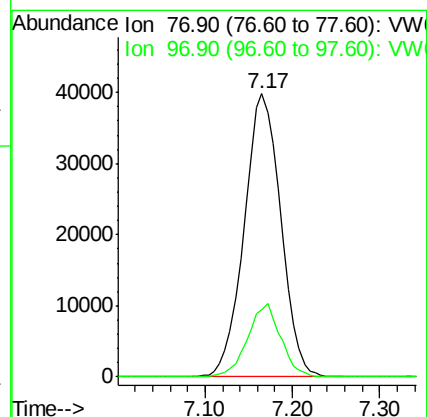
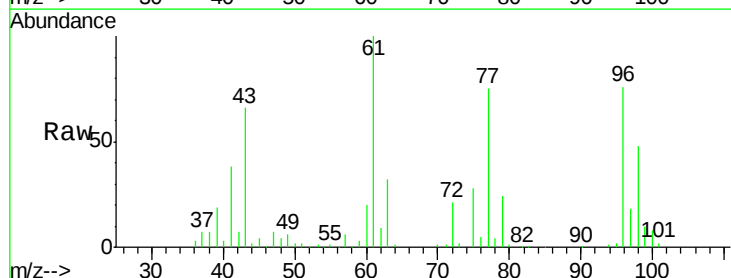
Acq: 28 Aug 2020 15:20

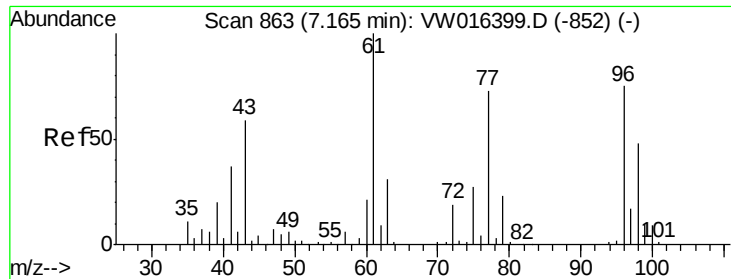
Tgt Ion: 77 Resp: 115967

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



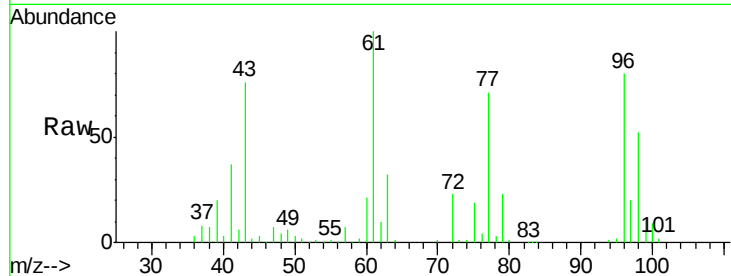


#27

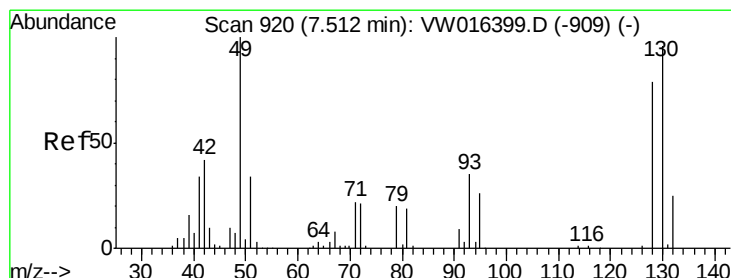
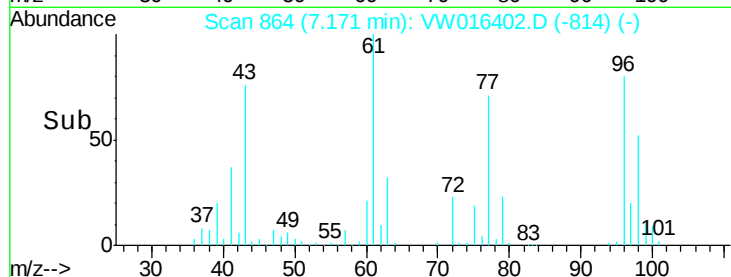
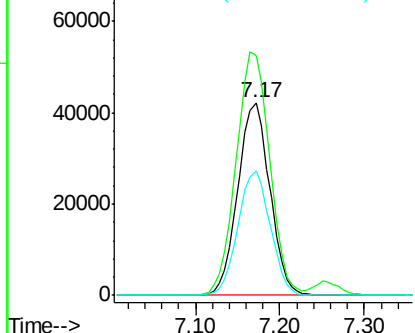
cis-1,2-Dichloroethene
Concen: 47.916 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

Tgt Ion: 96 Resp: 108302
Ion Ratio Lower Upper
96 100
61 132.3 0.0 268.6
98 65.4 0.0 130.0



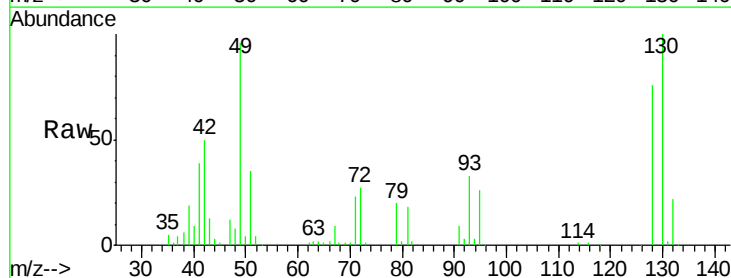
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



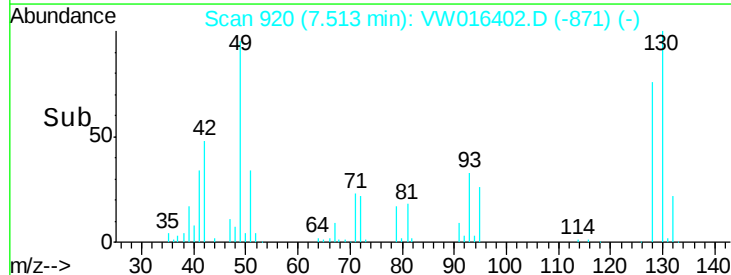
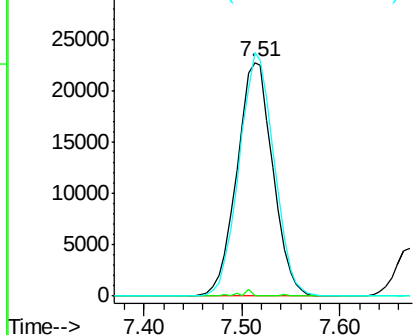
#28

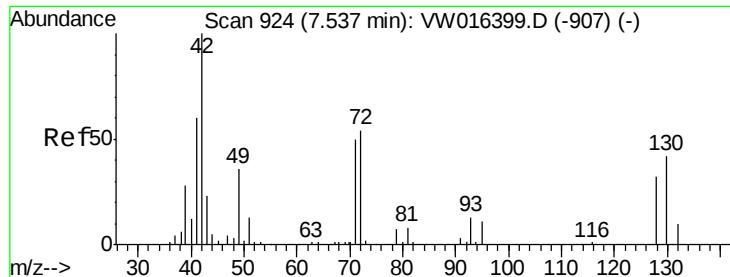
Bromochloromethane
Concen: 48.160 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 49 Resp: 58086
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.8
130 101.1 80.8 121.2



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

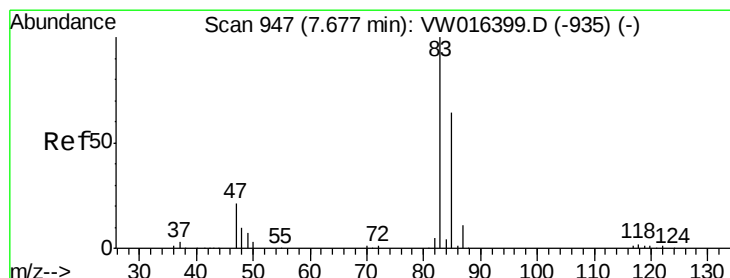
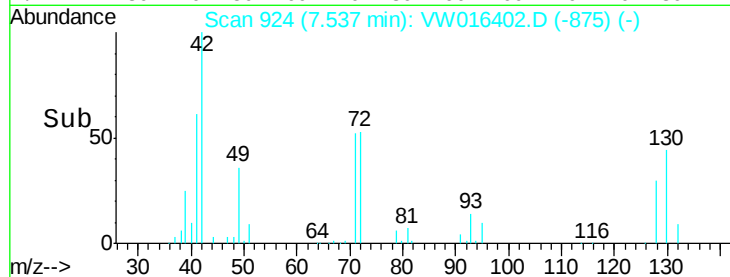
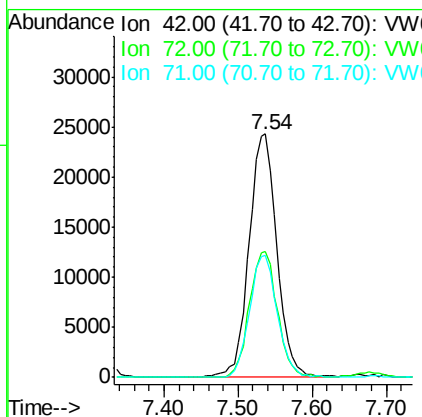
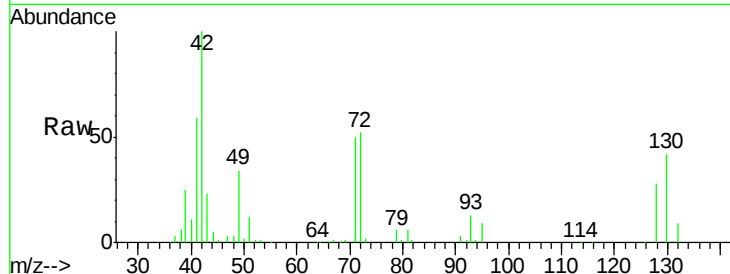




#29
Tetrahydrofuran
Concen: 237.564 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

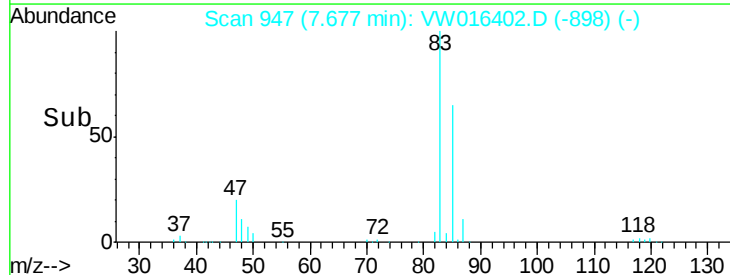
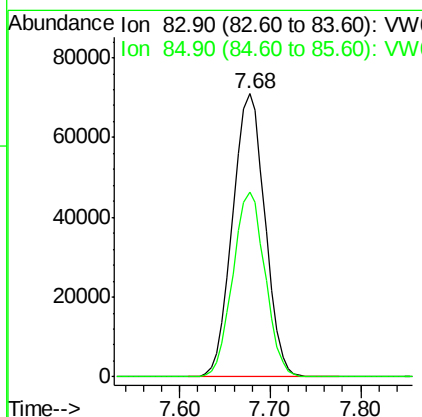
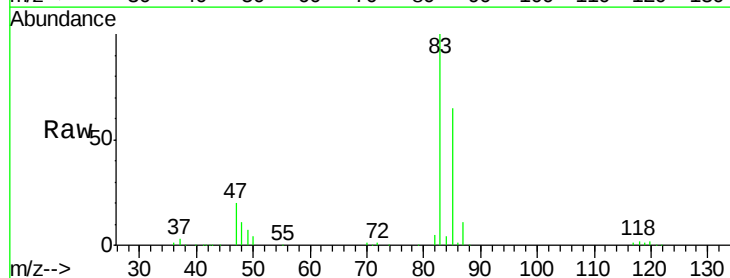
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

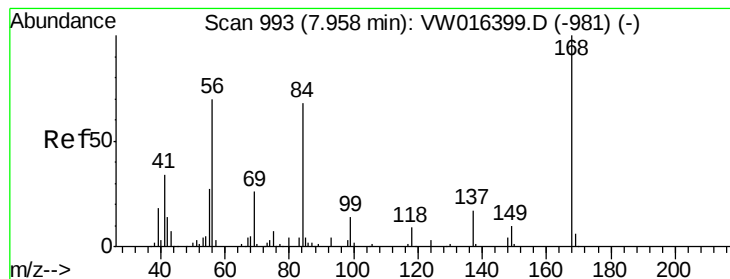
Tgt Ion: 42 Resp: 63972
Ion Ratio Lower Upper
42 100
72 51.8 42.3 63.5
71 49.6 39.5 59.3



#30
Chloroform
Concen: 47.766 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 83 Resp: 176184
Ion Ratio Lower Upper
83 100
85 65.3 51.6 77.4





#31

Cyclohexane

Concen: 45.842 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampled :

ICVW082820

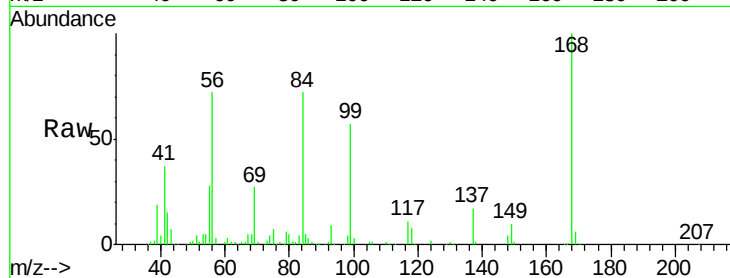
Tgt Ion: 56 Resp: 139507

Ion Ratio Lower Upper

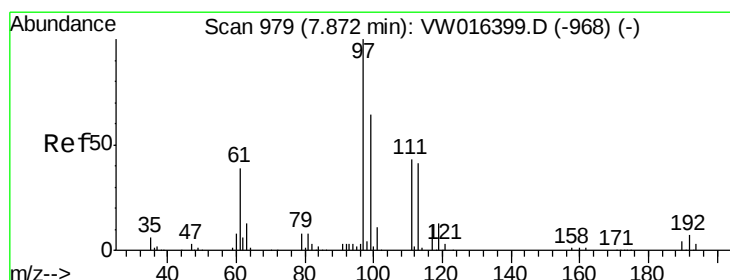
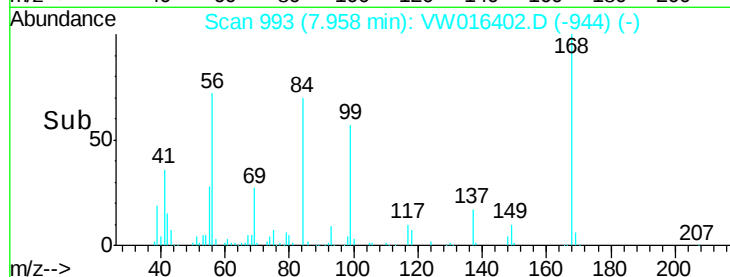
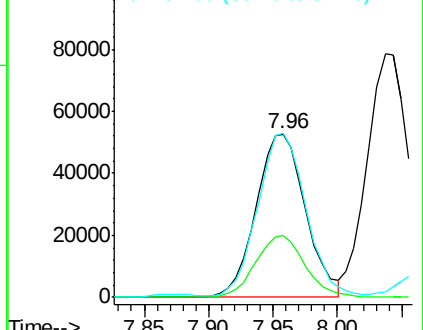
56 100

69 37.7 30.0 45.0

84 99.3 77.4 116.2



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



#32

1,1,1-Trichloroethane

Concen: 48.370 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

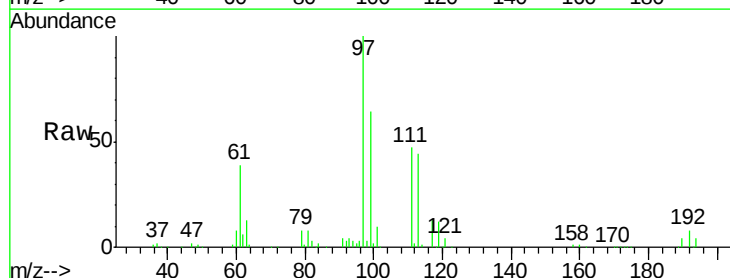
Tgt Ion: 97 Resp: 160676

Ion Ratio Lower Upper

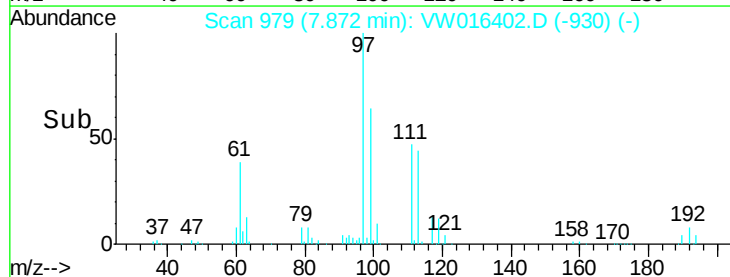
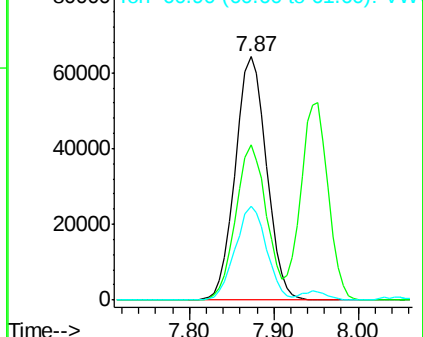
97 100

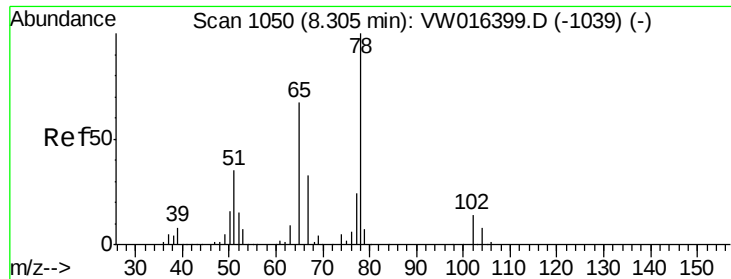
99 62.7 52.0 78.0

61 38.7 31.0 46.6



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: 50.349 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

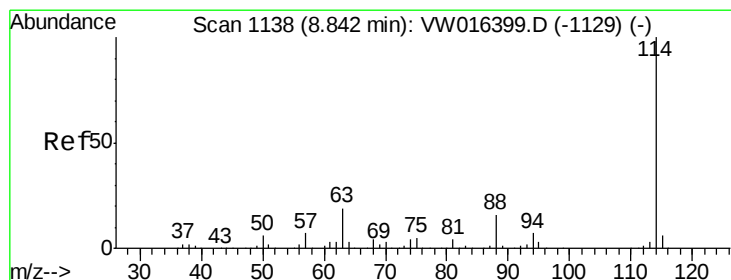
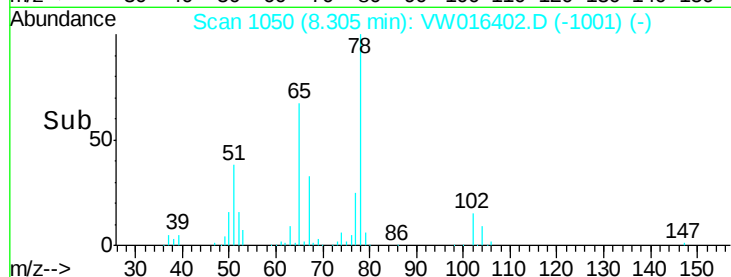
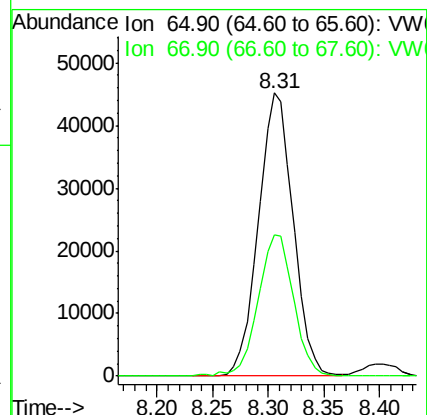
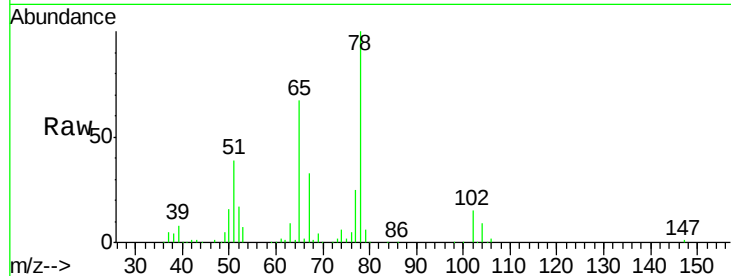
ICVW082820

Tgt Ion: 65 Resp: 98578

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

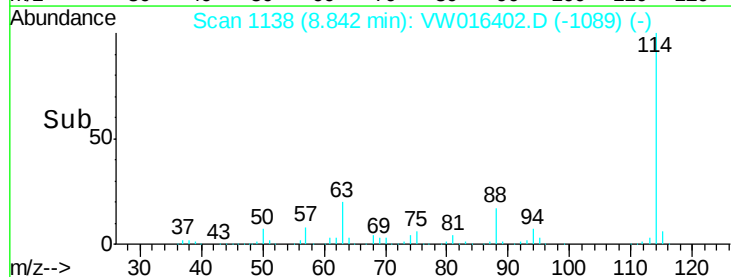
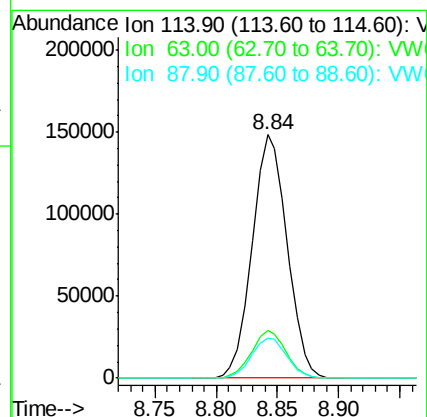
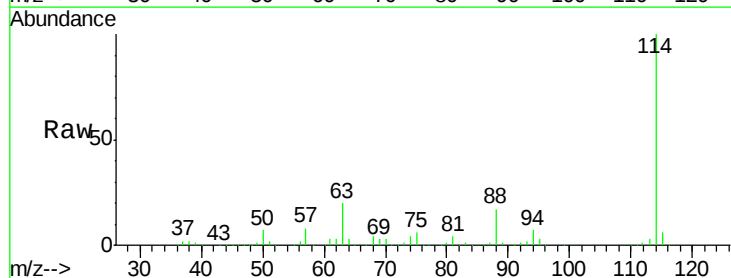
Tgt Ion: 114 Resp: 294896

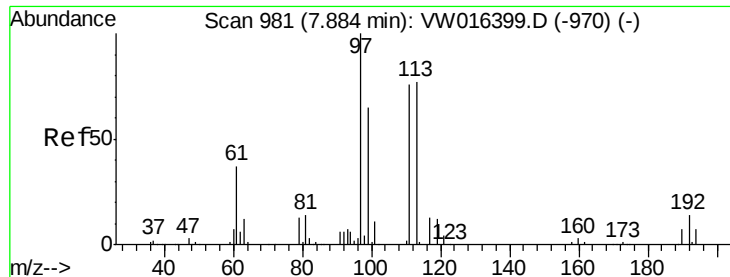
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.8

88 16.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.660 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

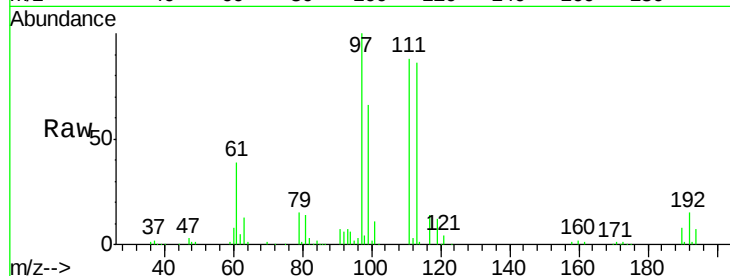
Tgt Ion:113 Resp: 96430

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

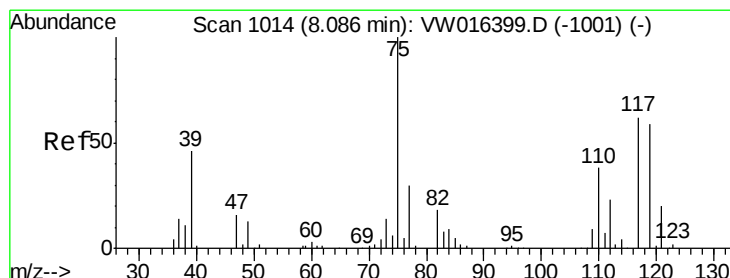
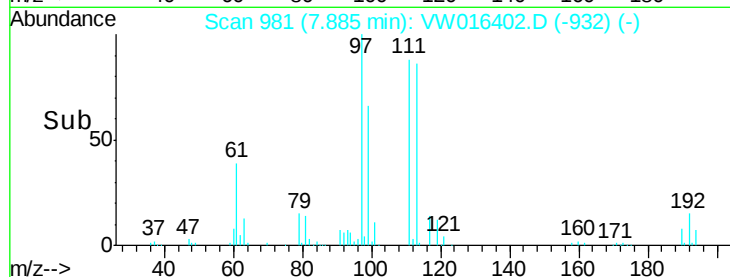
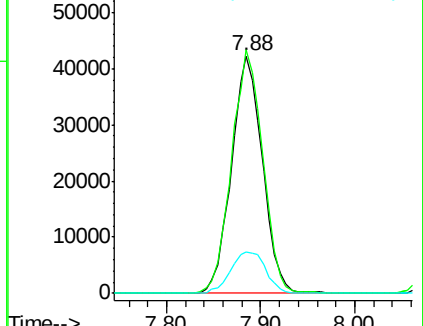
192 19.6 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.580 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

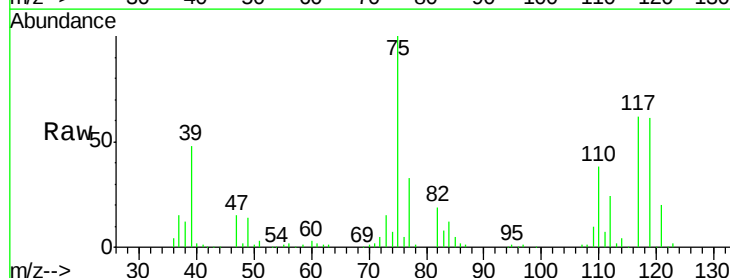
Tgt Ion: 75 Resp: 141951

Ion Ratio Lower Upper

75 100

110 36.3 18.6 56.0

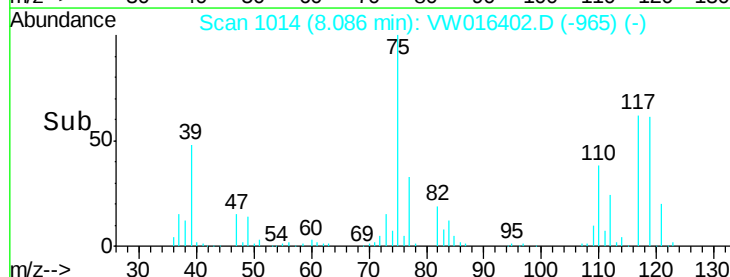
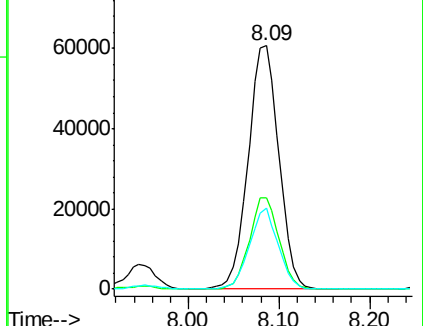
77 31.2 25.1 37.7

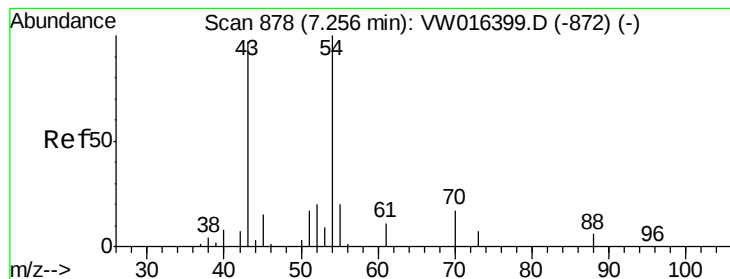


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 49.505 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

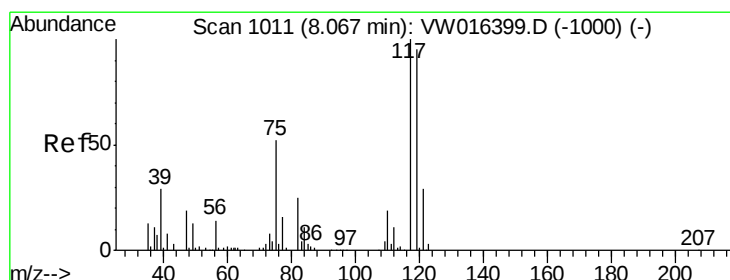
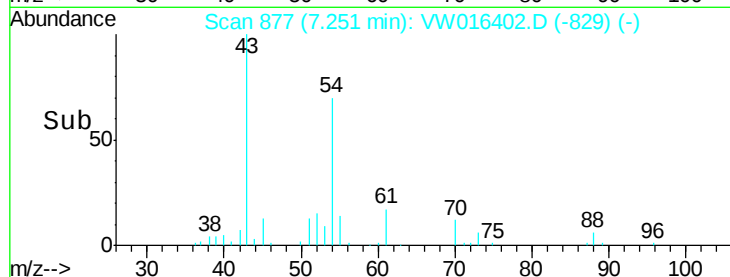
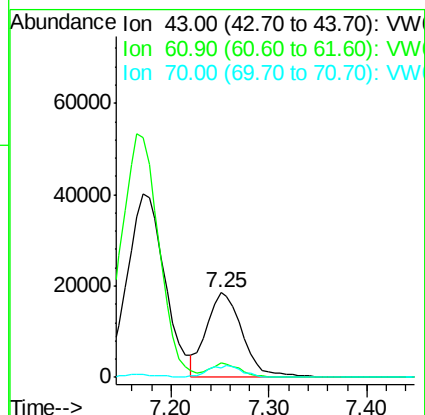
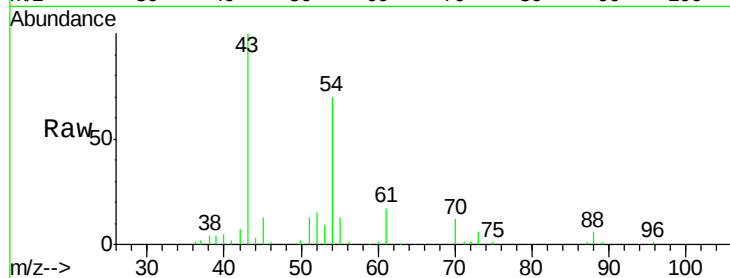
Tgt Ion: 43 Resp: 47067

Ion Ratio Lower Upper

43 100

61 14.7 11.5 17.3

70 13.5 10.7 16.1



#38

Carbon Tetrachloride

Concen: 50.342 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

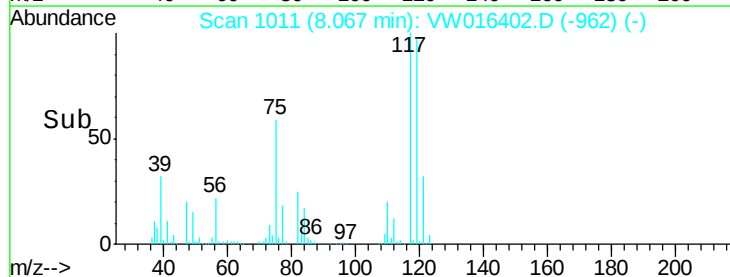
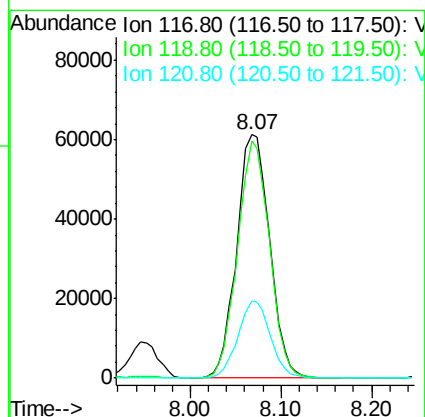
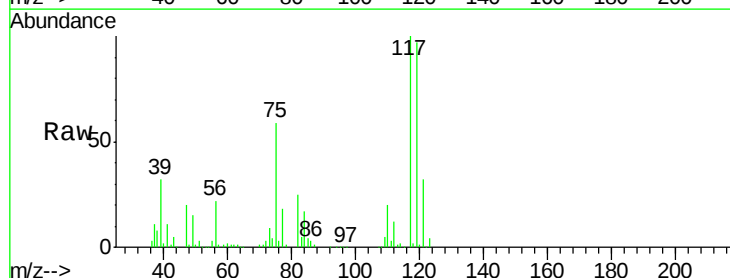
Tgt Ion: 117 Resp: 154813

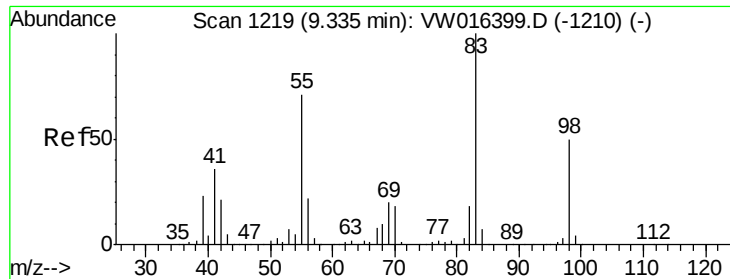
Ion Ratio Lower Upper

117 100

119 97.3 76.3 114.5

121 31.6 23.0 34.6

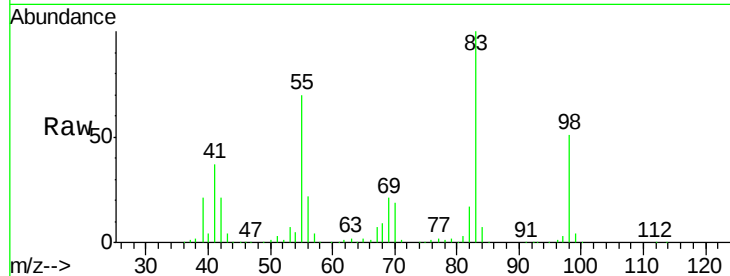




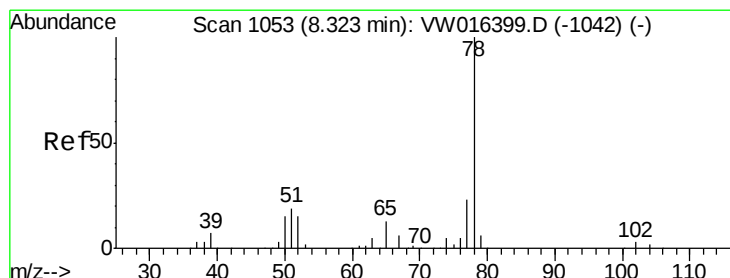
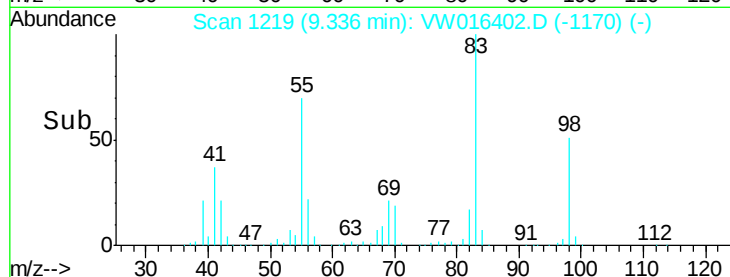
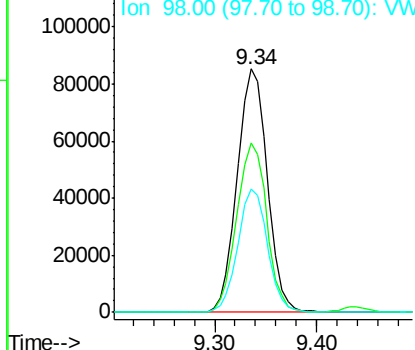
#39
Methylcyclohexane
Concen: 51.523 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

Tgt Ion: 83 Resp: 175083
Ion Ratio Lower Upper
83 100
55 69.7 57.0 85.6
98 50.9 39.9 59.9

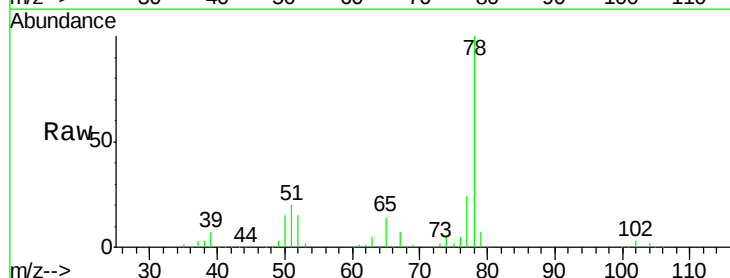


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

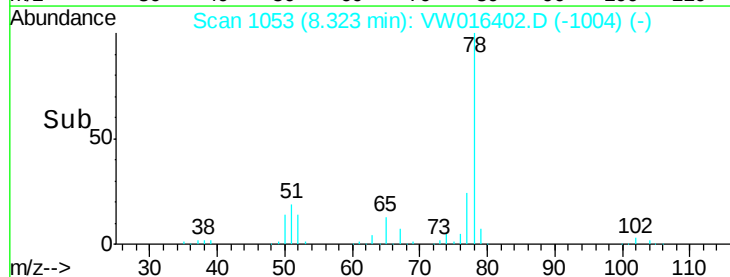
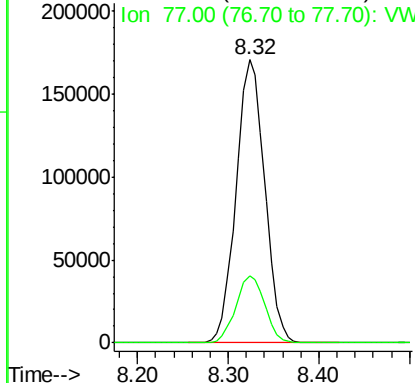


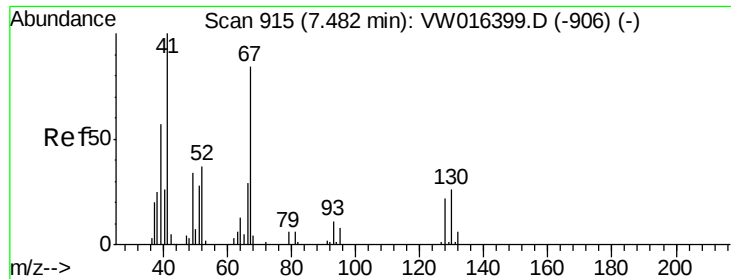
#40
Benzene
Concen: 49.819 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 78 Resp: 374320
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8



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

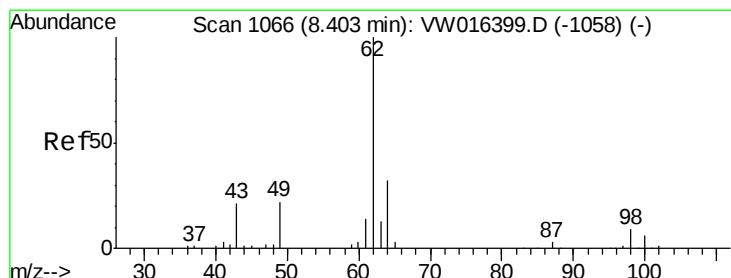
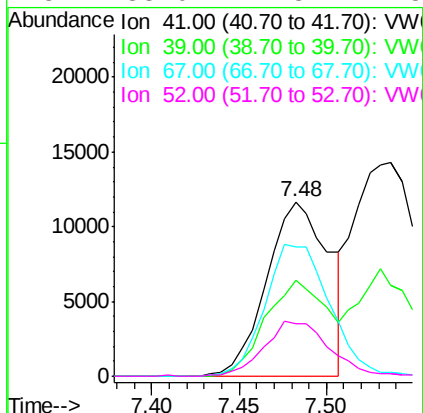
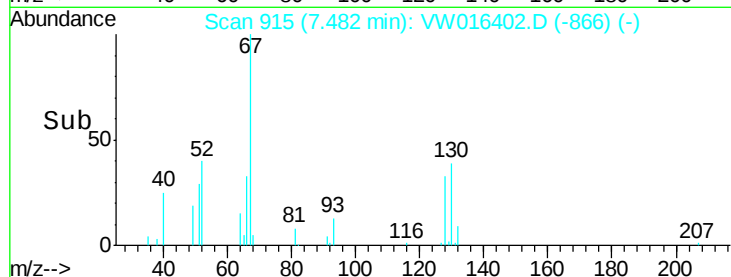
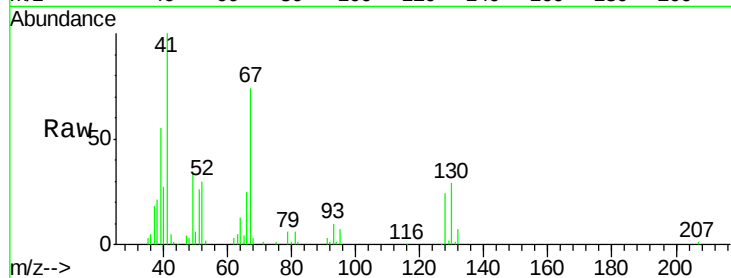




#41
Methacrylonitrile
Concen: 53.011 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

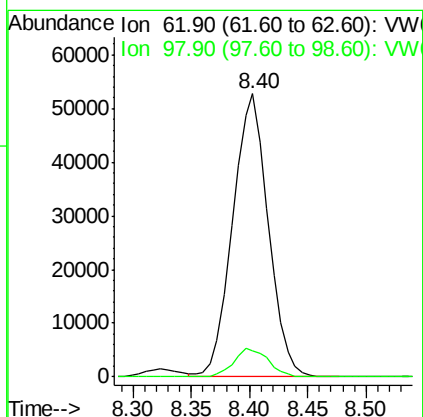
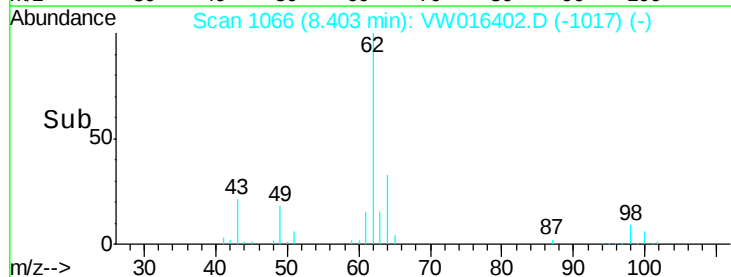
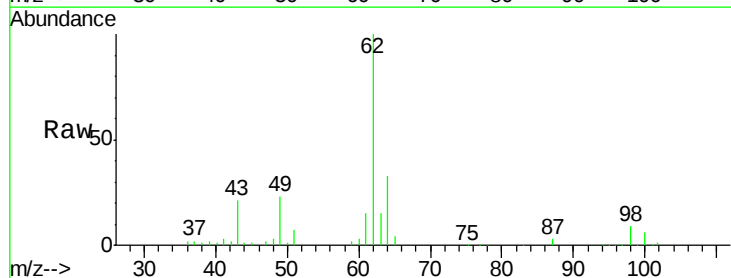
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

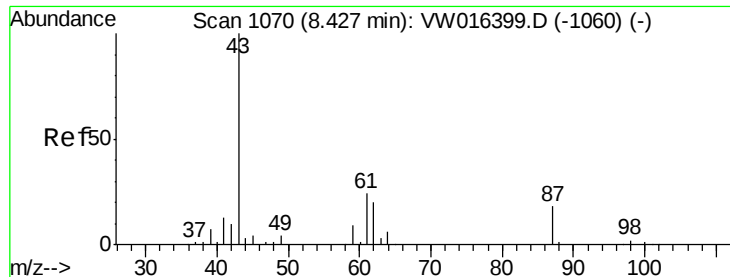
Tgt Ion:	41	Resp:	29019
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.4	68.2
67	78.8	65.8	98.6
52	33.0	27.8	41.8



#42
1,2-Dichloroethane
Concen: 49.083 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion:	62	Resp:	112489
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 49.592 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

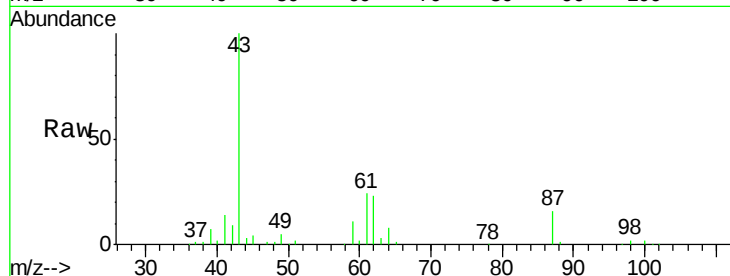
Tgt Ion: 43 Resp: 94091

Ion Ratio Lower Upper

43 100

61 34.6 27.5 41.3

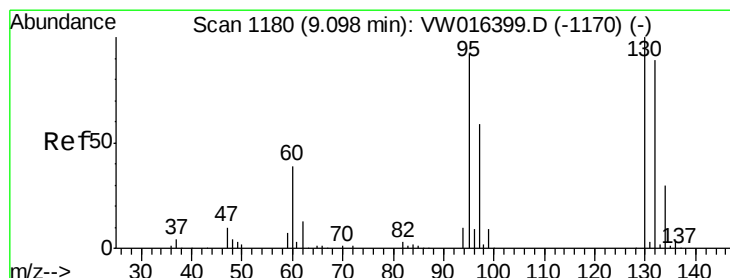
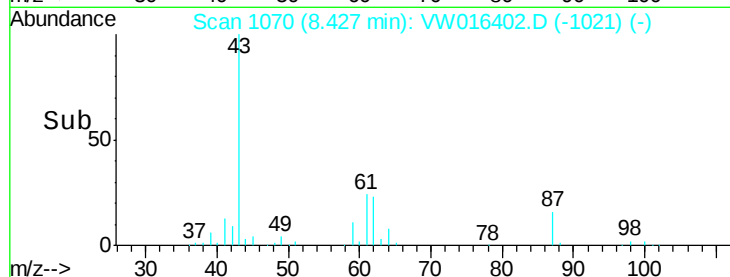
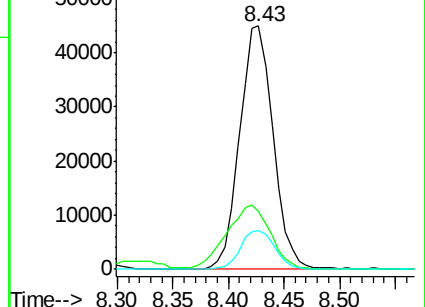
87 16.4 13.5 20.3



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: 48.757 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016402.D

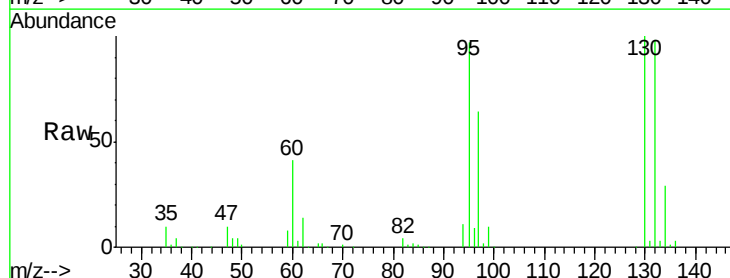
Acq: 28 Aug 2020 15:20

Tgt Ion: 130 Resp: 109613

Ion Ratio Lower Upper

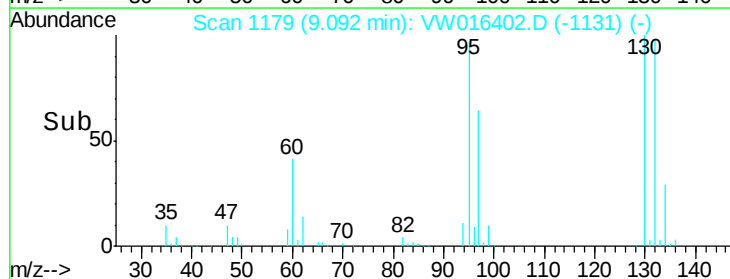
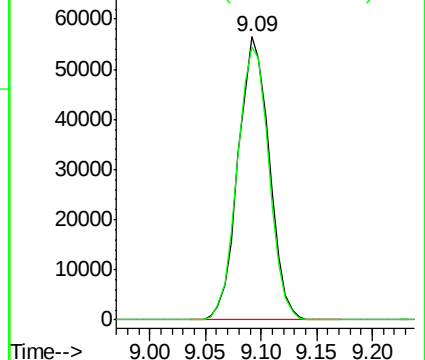
130 100

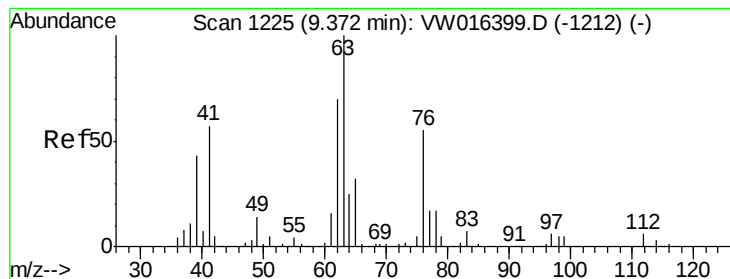
95 96.5 0.0 183.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 48.950 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

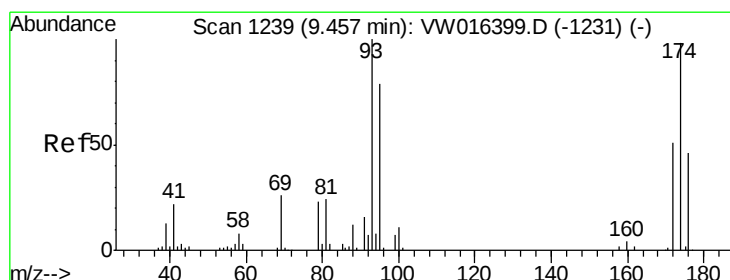
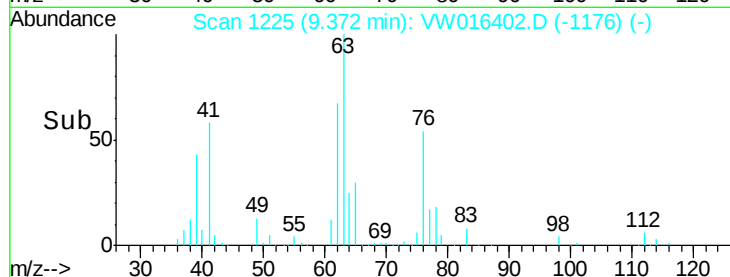
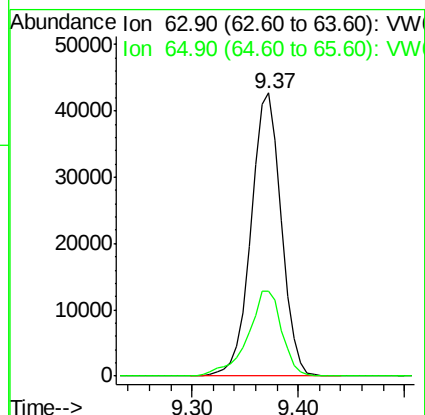
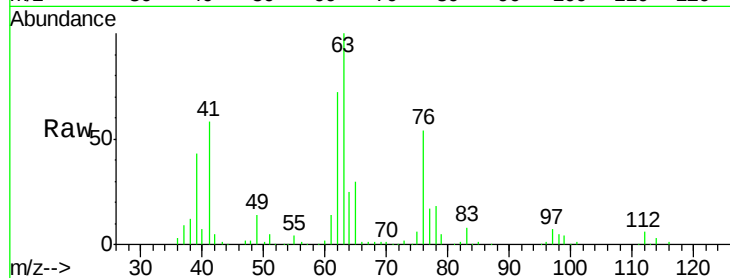
ICVW082820

Tgt Ion: 63 Resp: 85322

Ion Ratio Lower Upper

63 100

65 30.0 25.4 38.0



#46

Dibromomethane

Concen: 50.330 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

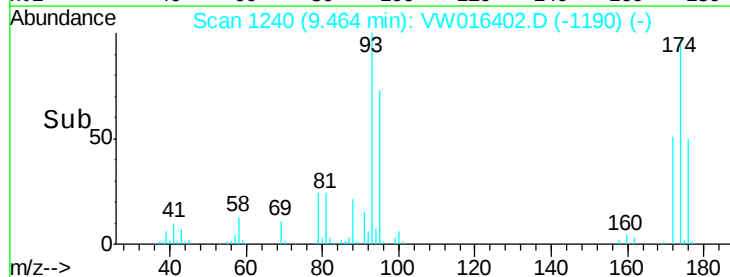
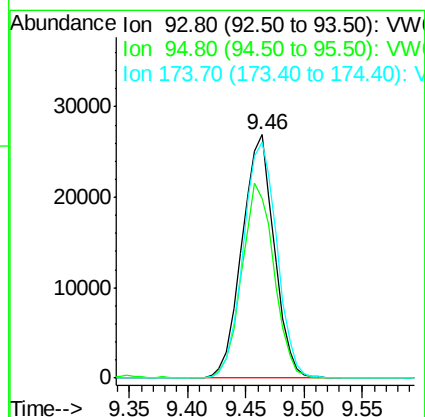
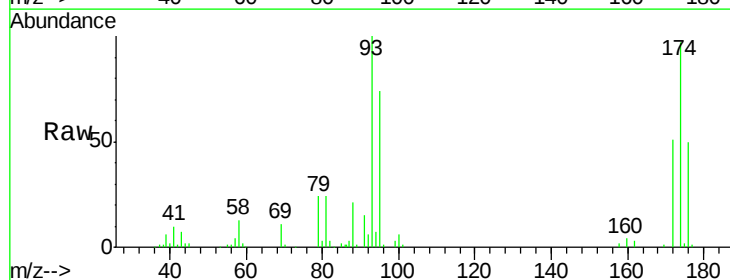
Tgt Ion: 93 Resp: 52122

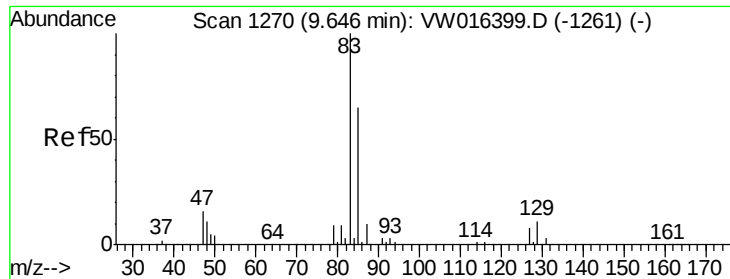
Ion Ratio Lower Upper

93 100

95 80.1 65.3 97.9

174 100.8 80.1 120.1





#47

Bromodichloromethane

Concen: 50.055 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

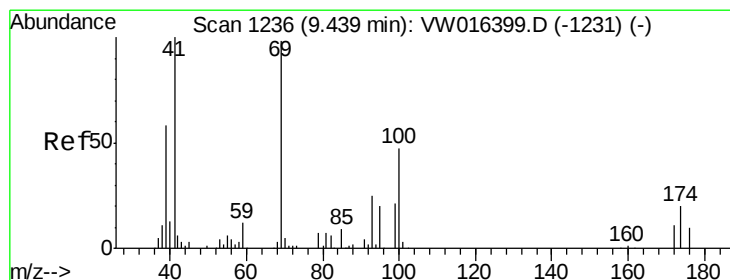
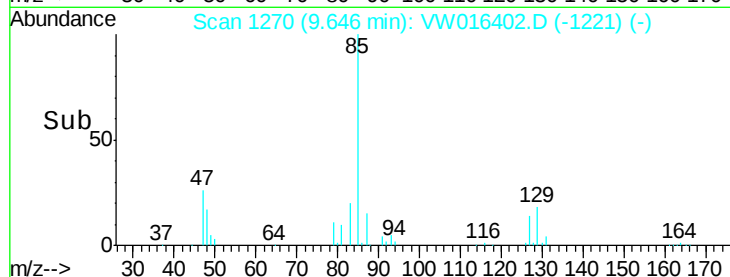
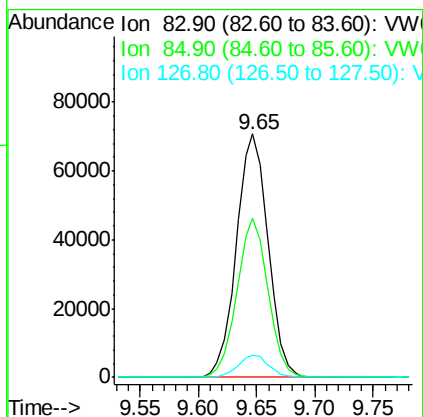
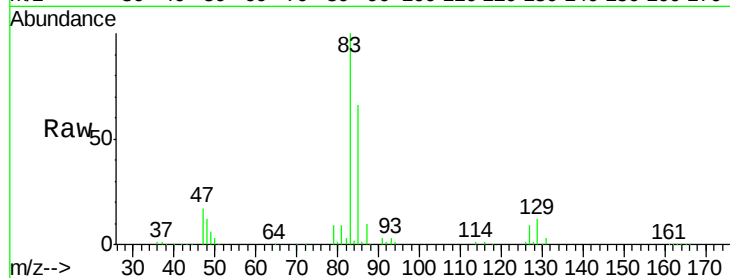
Tgt Ion: 83 Resp: 133693

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

127 9.1 6.8 10.2



#48

Methyl methacrylate

Concen: 49.939 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

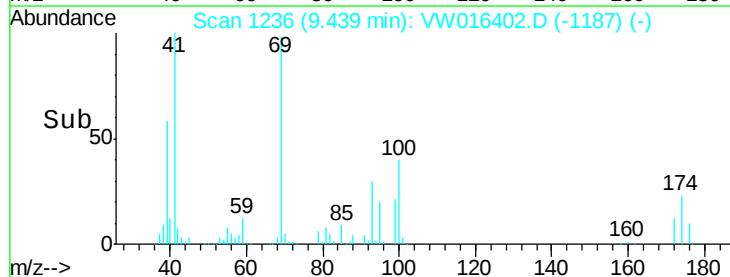
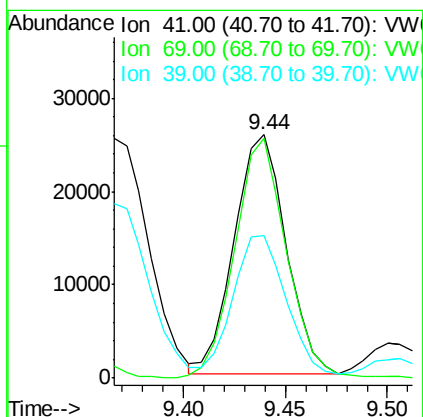
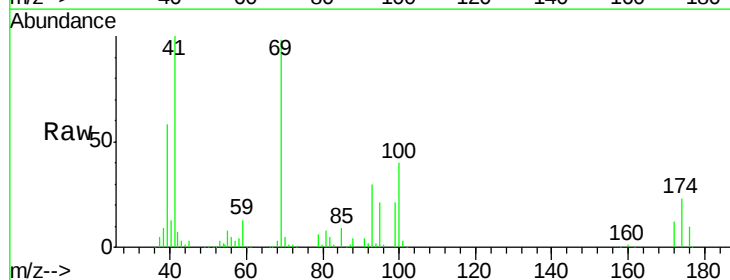
Tgt Ion: 41 Resp: 45174

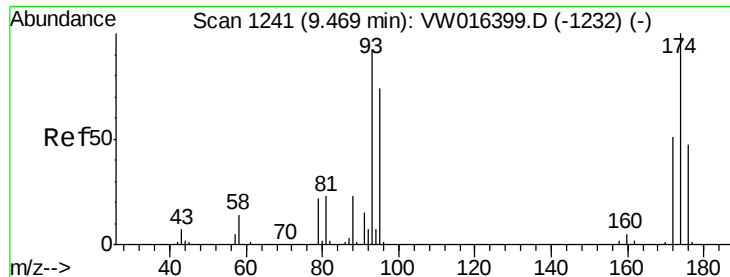
Ion Ratio Lower Upper

41 100

69 100.8 83.5 125.3

39 57.6 48.7 73.1

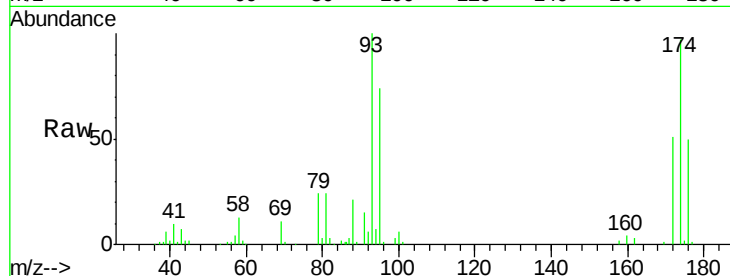




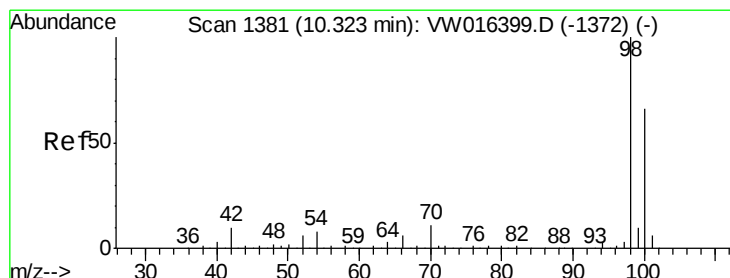
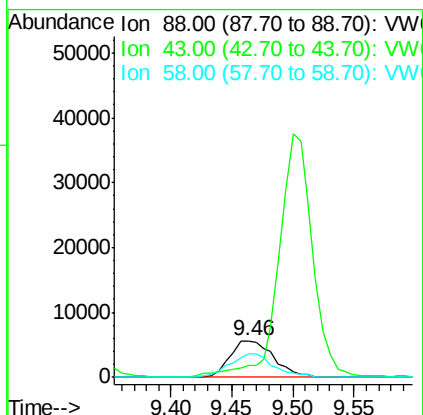
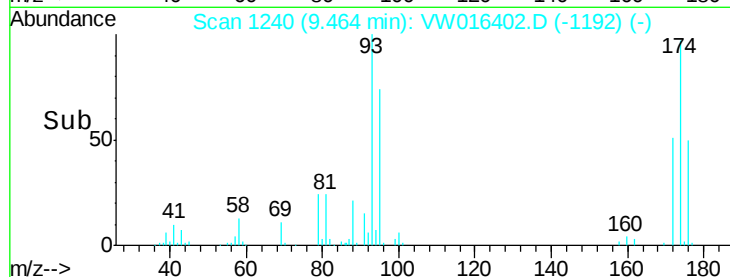
#49
1,4-Dioxane
Concen: 995.638 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

Tgt Ion: 88 Resp: 14045
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 65.5 53.5 80.3

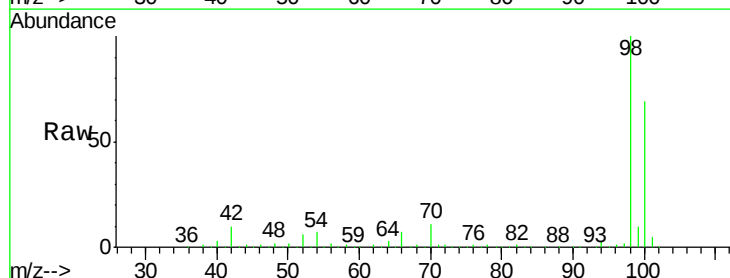


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

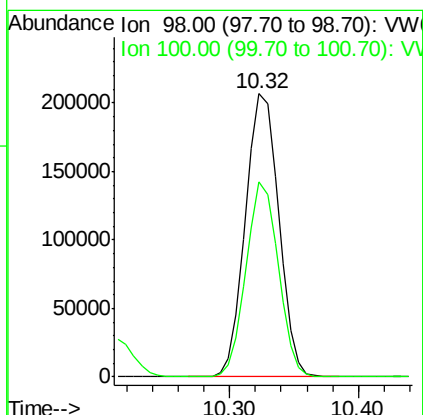
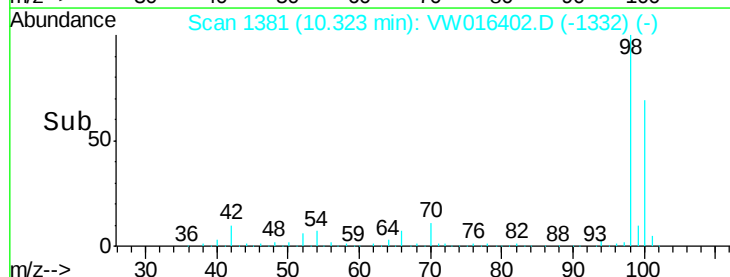


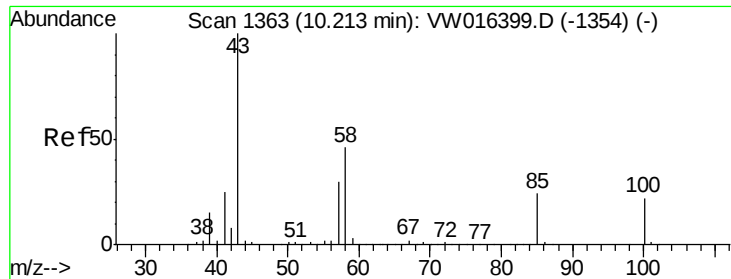
#50
Toluene-d8
Concen: 53.106 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 98 Resp: 371197
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



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: 246.444 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

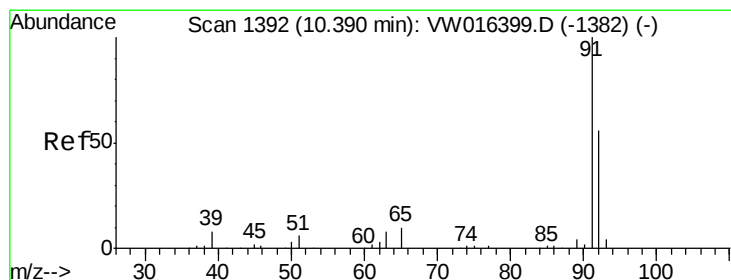
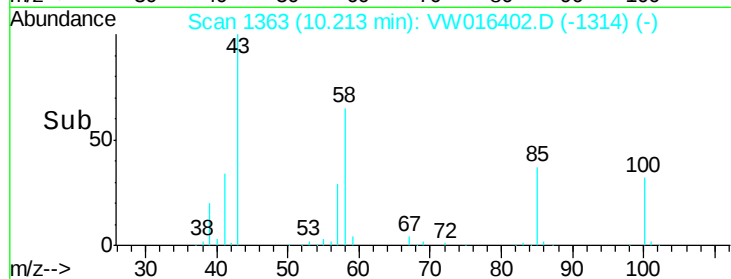
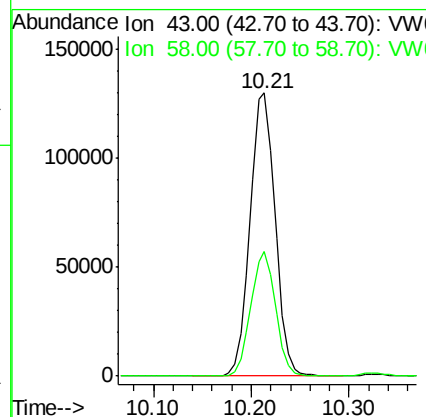
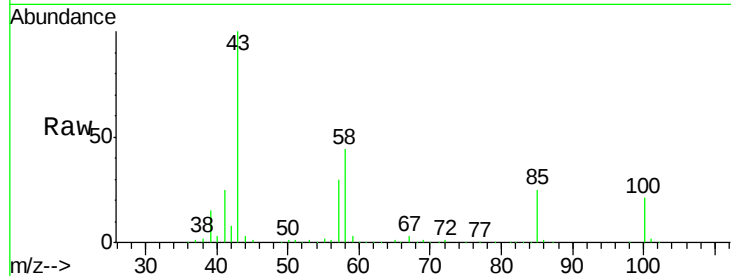
ICVW082820

Tgt Ion: 43 Resp: 231202

Ion Ratio Lower Upper

43 100

58 43.4 35.4 53.0



#52

Toluene

Concen: 50.155 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016402.D

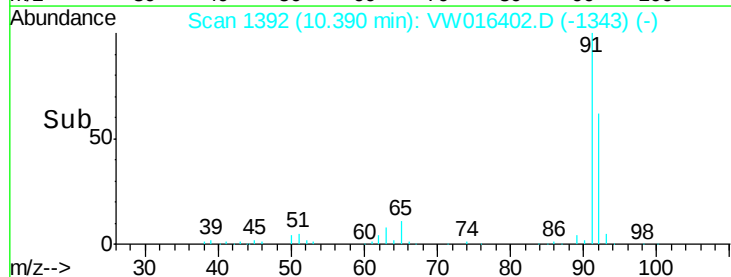
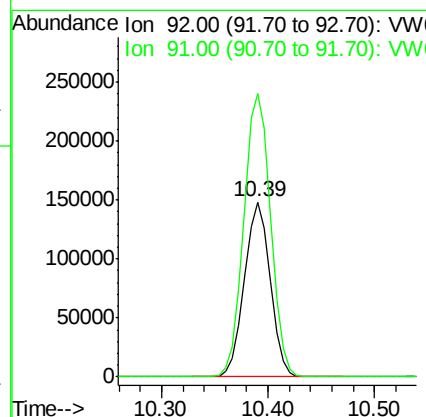
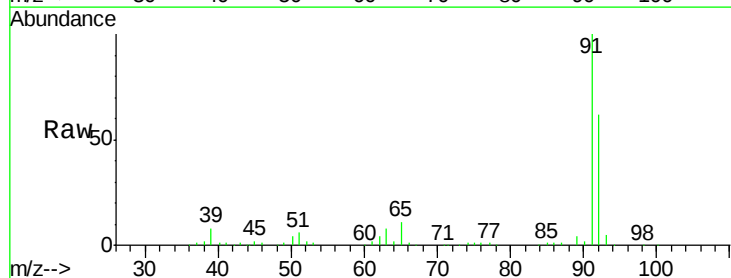
Acq: 28 Aug 2020 15:20

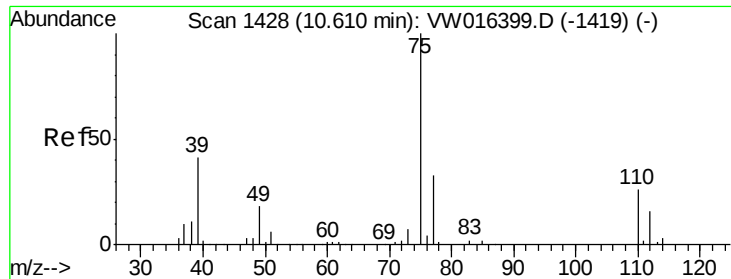
Tgt Ion: 92 Resp: 252660

Ion Ratio Lower Upper

92 100

91 168.3 137.1 205.7

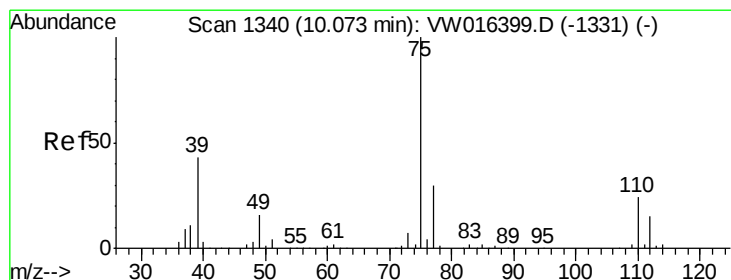
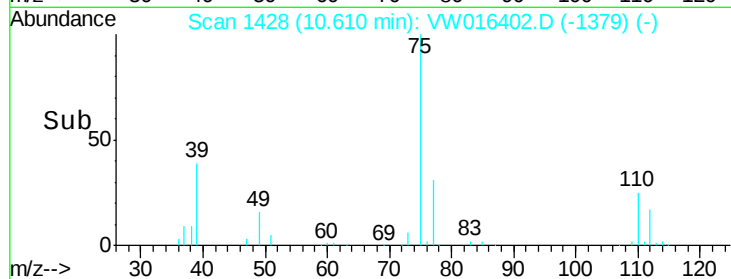
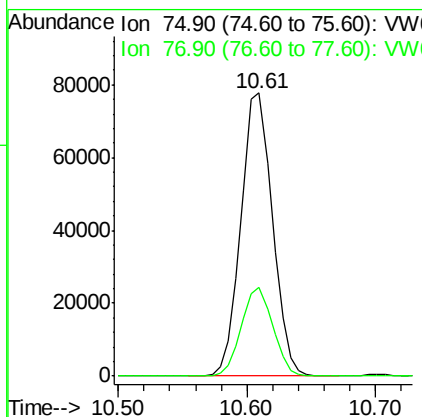
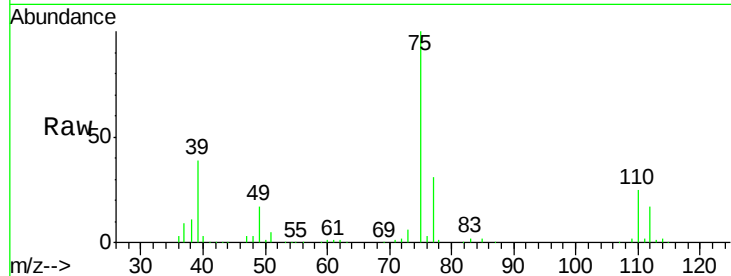




#53
 t-1,3-Dichloropropene
 Concen: 50.894 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

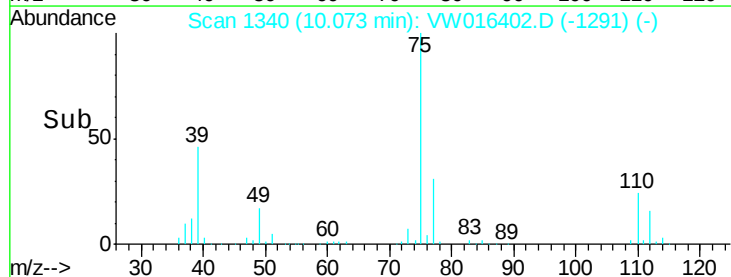
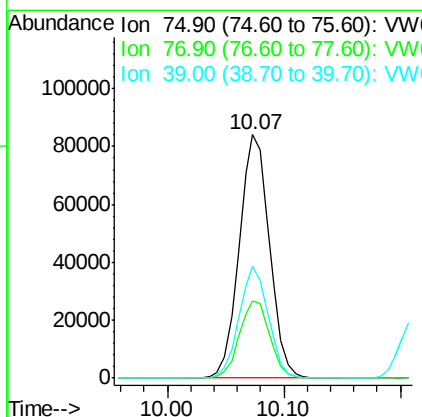
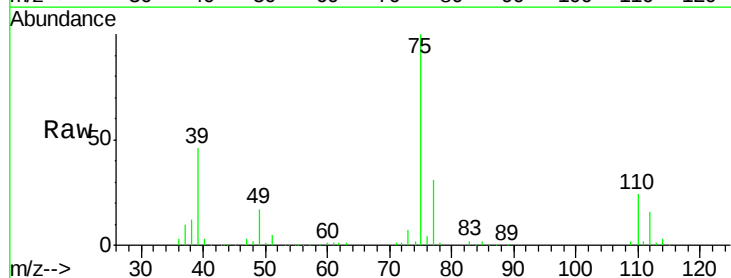
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

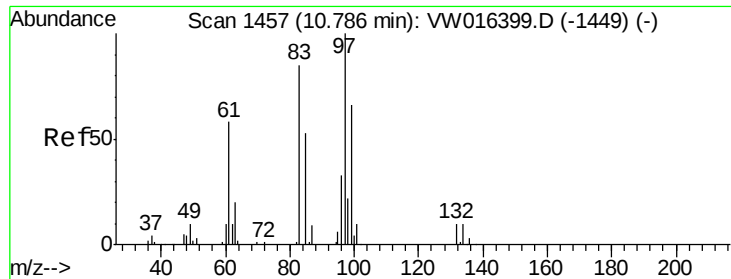
Tgt Ion: 75 Resp: 132199
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.1 39.1



#54
 cis-1,3-Dichloropropene
 Concen: 50.102 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion: 75 Resp: 151638
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6
 39 45.7 34.6 51.8

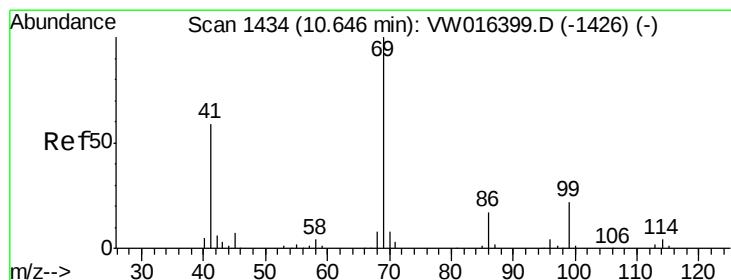
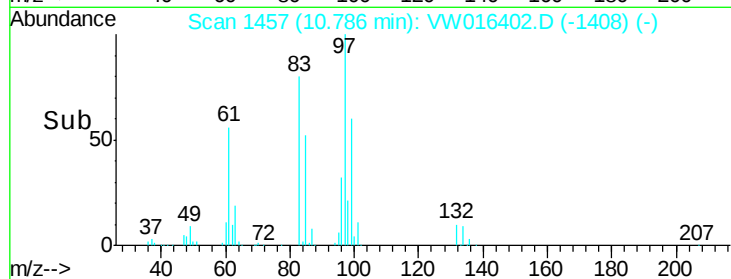
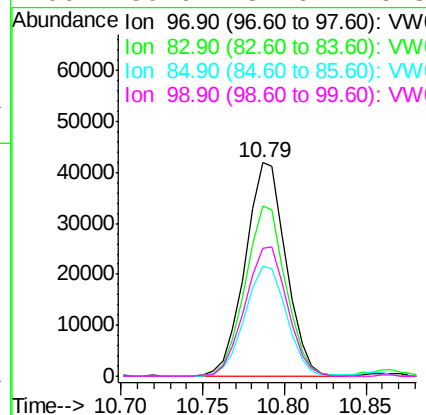
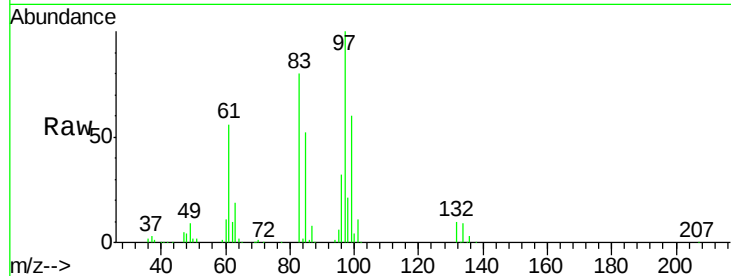




#55
 1,1,2-Trichloroethane
 Concen: 49.439 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

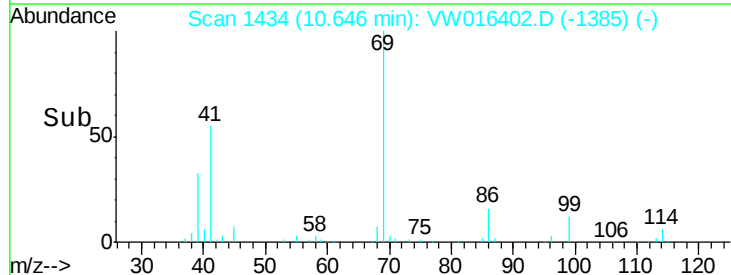
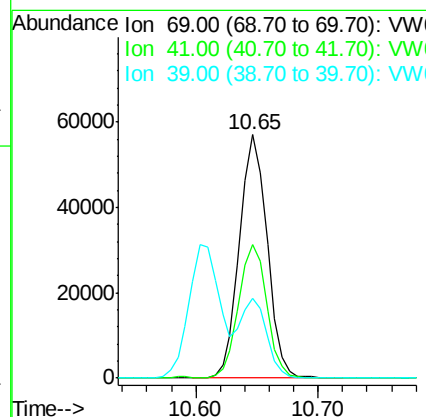
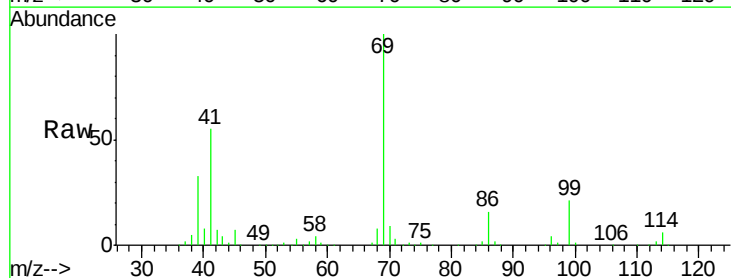
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

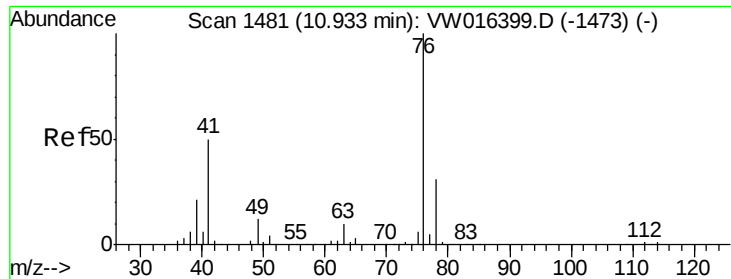
Tgt Ion:	97	Resp:	72999
Ion	Ratio	Lower	Upper
97	100		
83	79.4	68.0	102.0
85	51.5	42.2	63.2
99	59.9	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 51.894 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion:	69	Resp:	89540
Ion	Ratio	Lower	Upper
69	100		
41	54.9	46.5	69.7
39	32.1	26.2	39.2

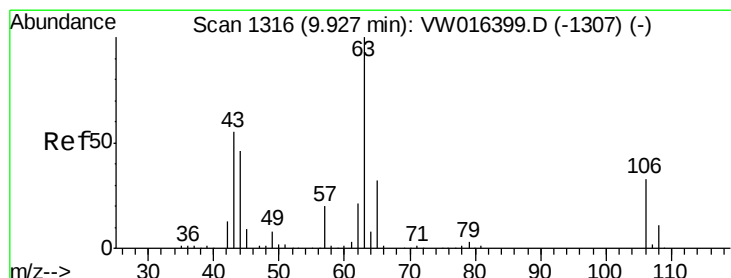
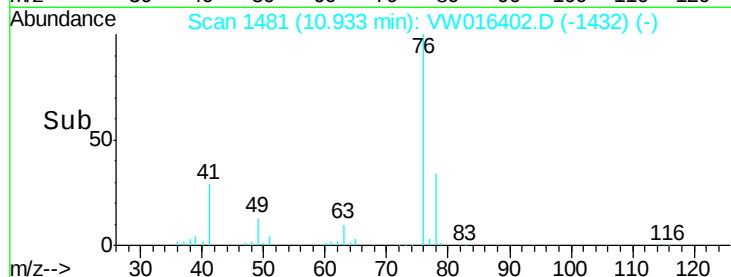
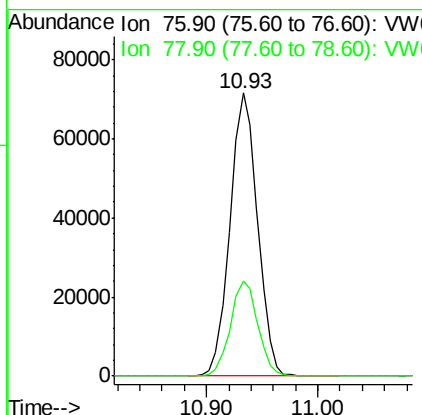
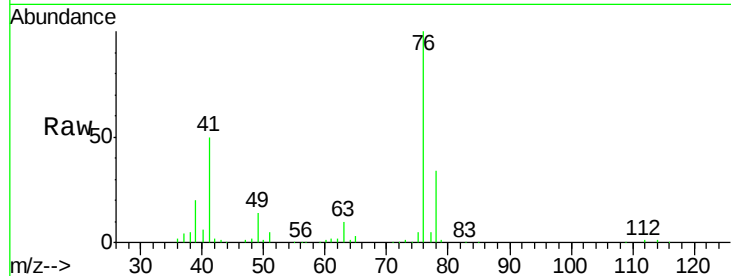




#57
 1,3-Dichloropropane
 Concen: 49.705 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

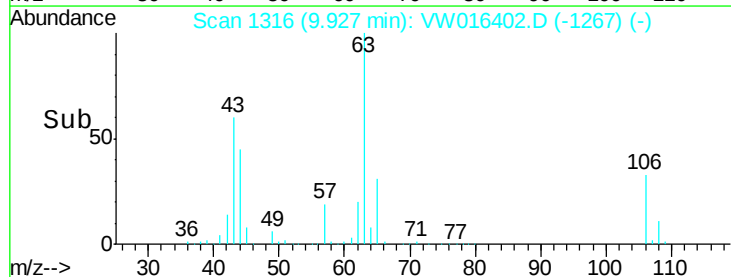
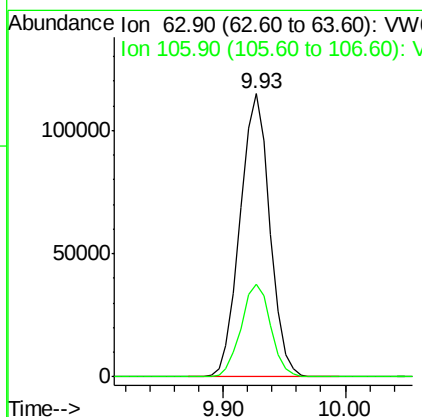
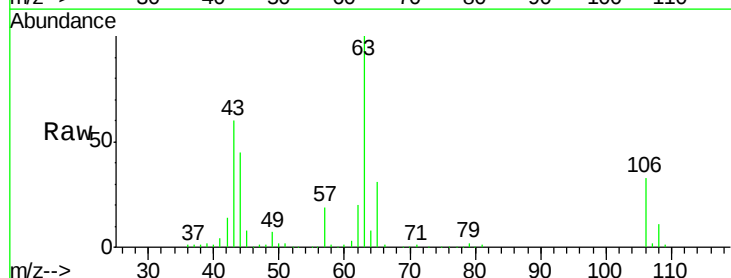
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

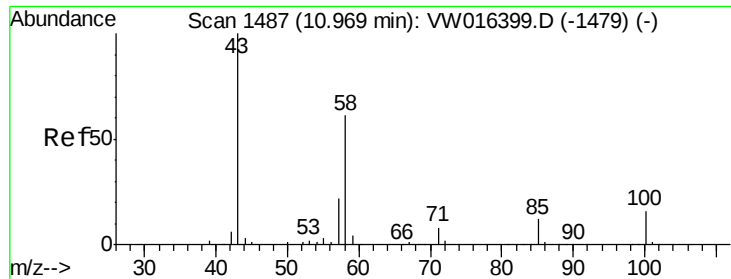
Tgt Ion: 76 Resp: 121946
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.238 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion: 63 Resp: 193874
 Ion Ratio Lower Upper
 63 100
 106 32.7 26.6 40.0

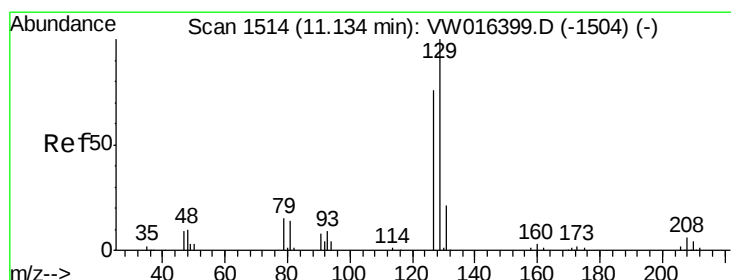
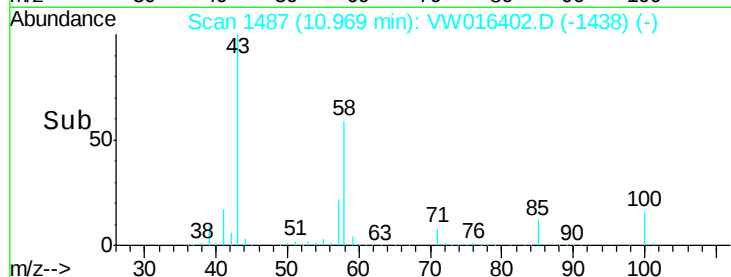
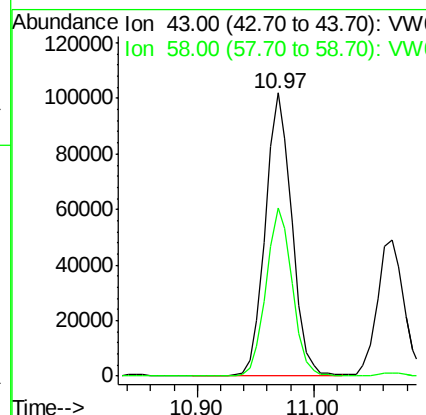
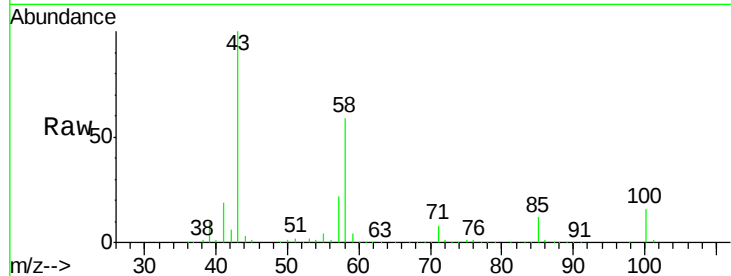




#59
2-Hexanone
Concen: 252.763 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

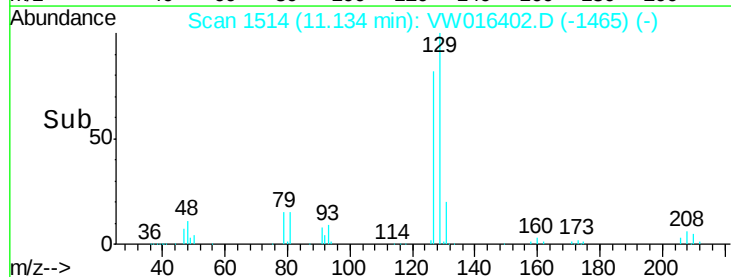
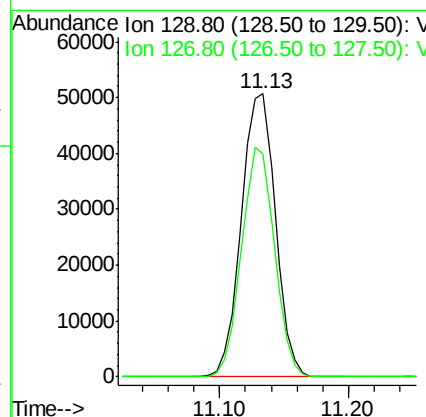
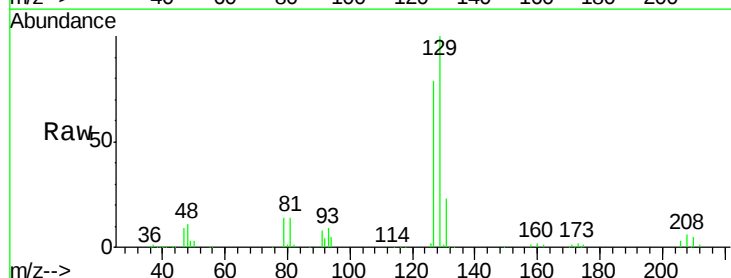
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

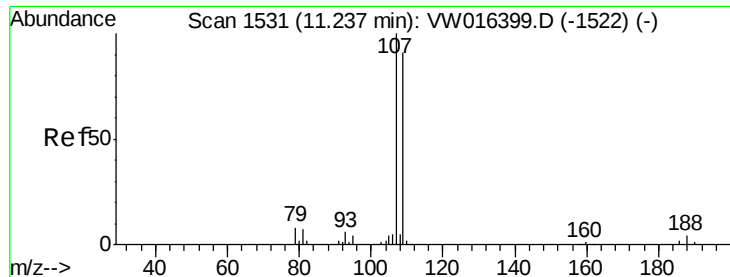
Tgt Ion: 43 Resp: 161780
Ion Ratio Lower Upper
43 100
58 58.8 29.7 89.1



#60
Dibromochloromethane
Concen: 49.700 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 129 Resp: 92789
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.7

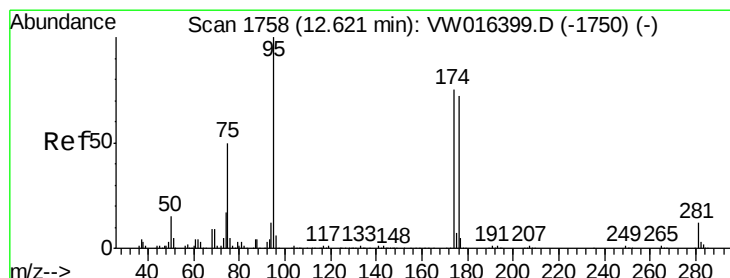
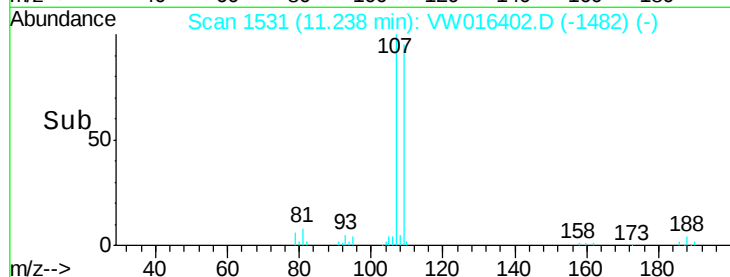
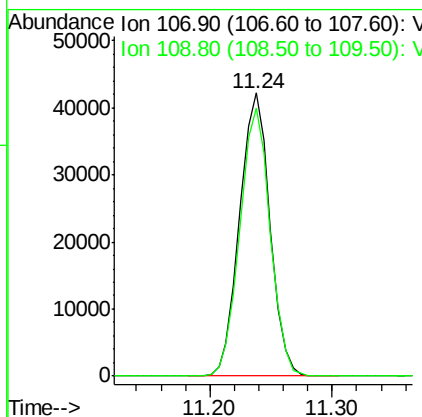
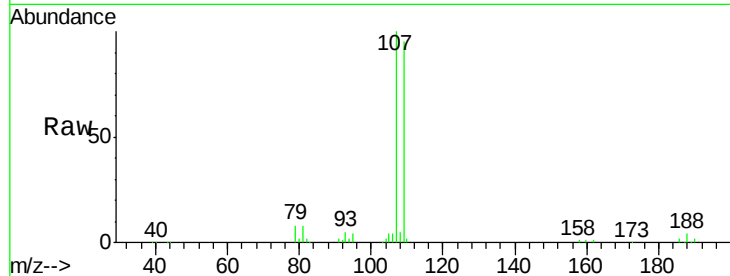




#61
 1,2-Dibromoethane
 Concen: 50.087 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

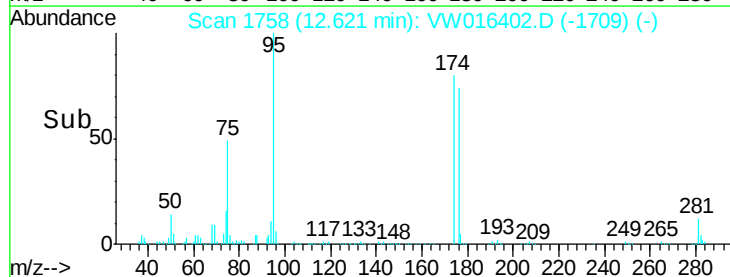
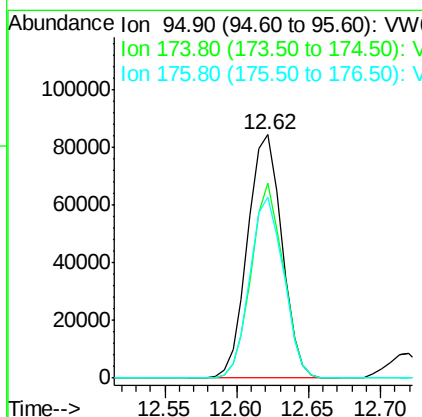
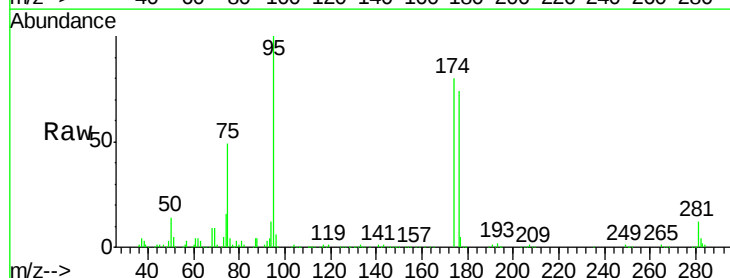
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

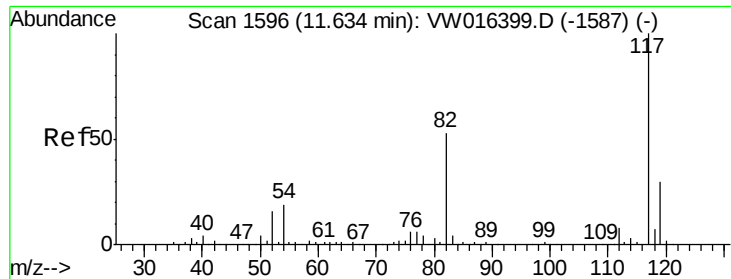
Tgt Ion: 107 Resp: 72529
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 53.115 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion: 95 Resp: 139221
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 152.0
 176 73.0 0.0 145.6

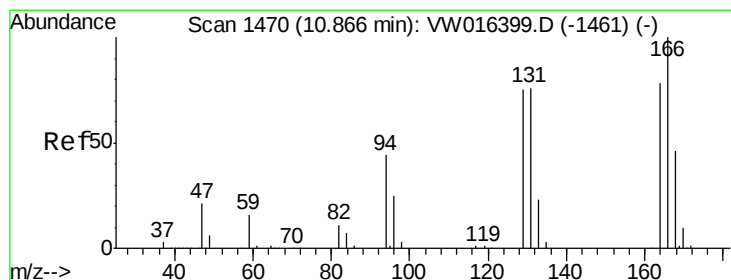
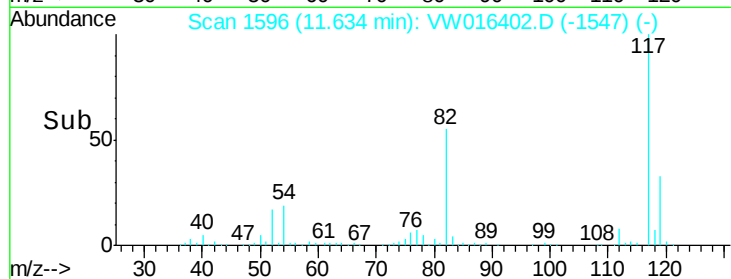
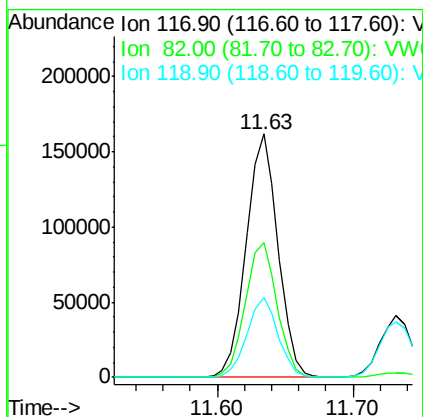
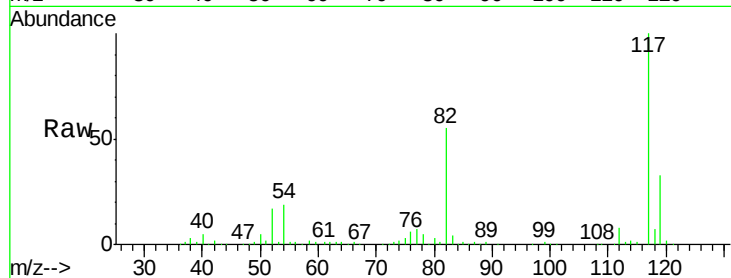




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

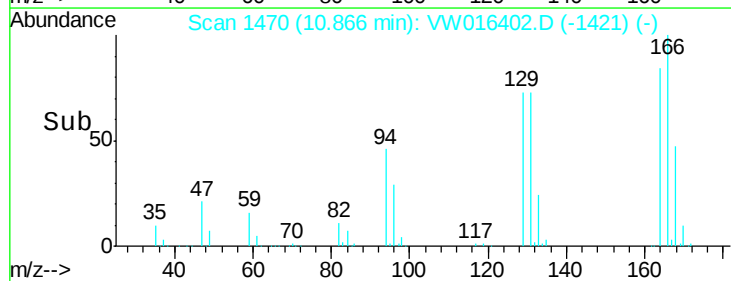
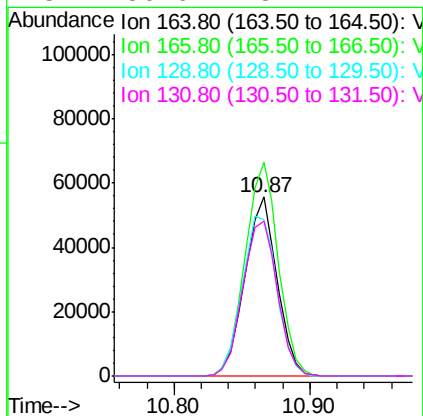
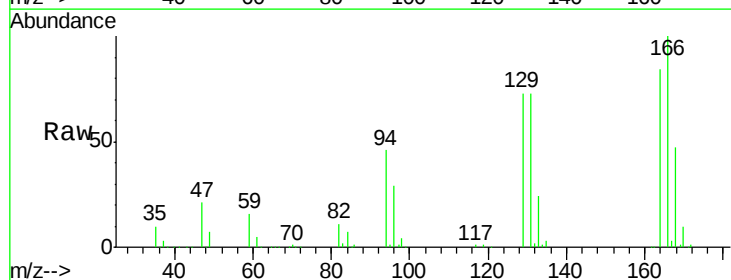
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

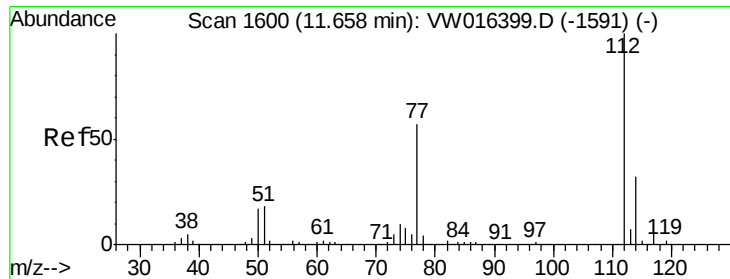
Tgt Ion:117 Resp: 263709
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 32.6 24.2 36.4



#64
Tetrachloroethene
Concen: 50.925 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion:164 Resp: 92246
Ion Ratio Lower Upper
164 100
166 119.2 103.1 154.7
129 87.1 77.3 115.9
131 86.6 78.2 117.2





#65

Chlorobenzene

Concen: 50.369 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

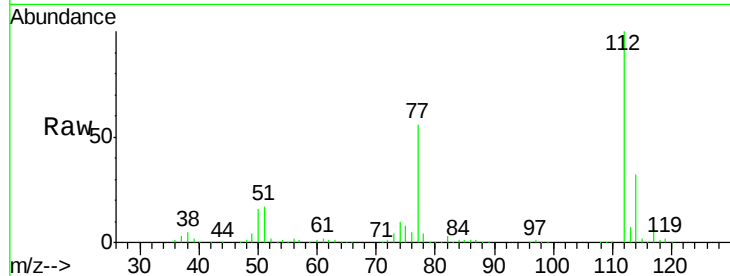
ICVW082820

Tgt Ion:112 Resp: 273561

Ion Ratio Lower Upper

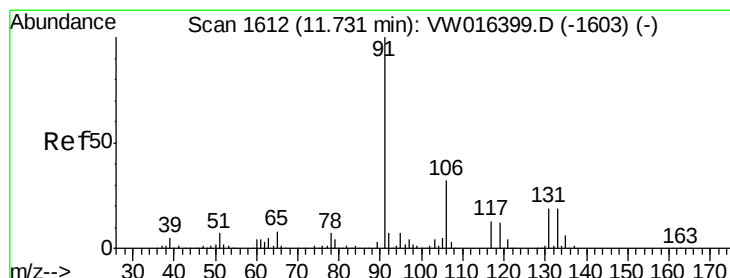
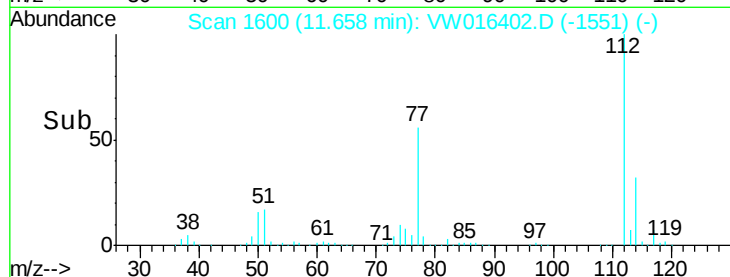
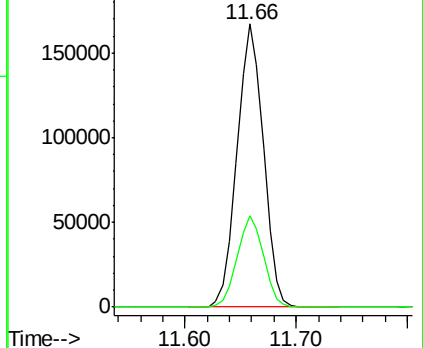
112 100

114 32.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.637 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

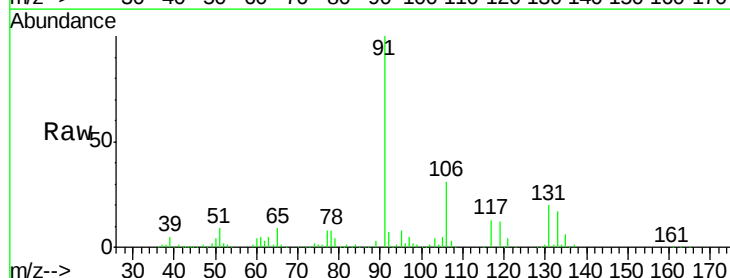
Tgt Ion:131 Resp: 101830

Ion Ratio Lower Upper

131 100

133 94.7 46.9 140.6

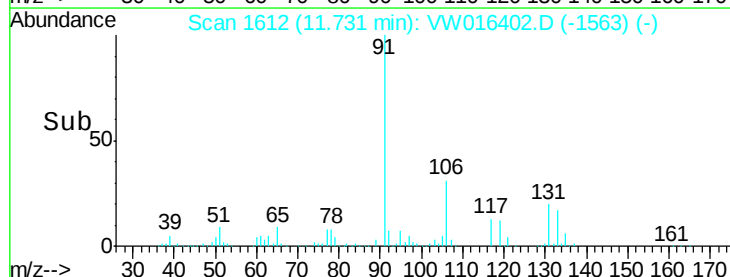
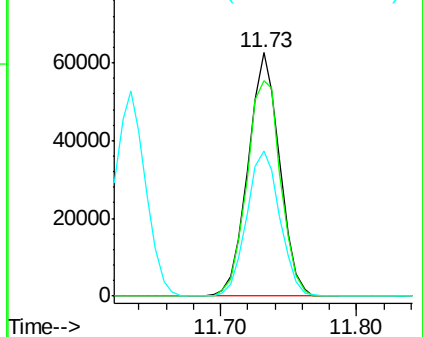
119 62.4 31.6 95.0

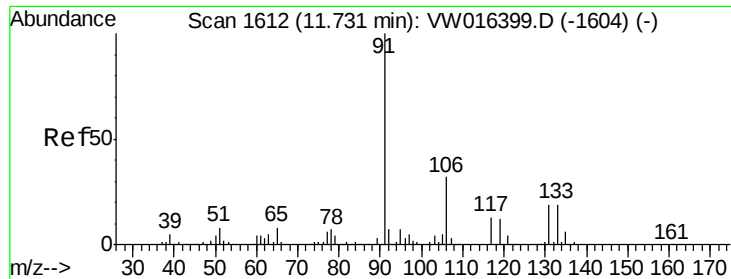


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

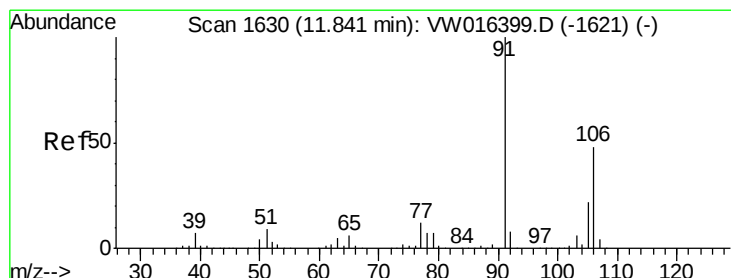
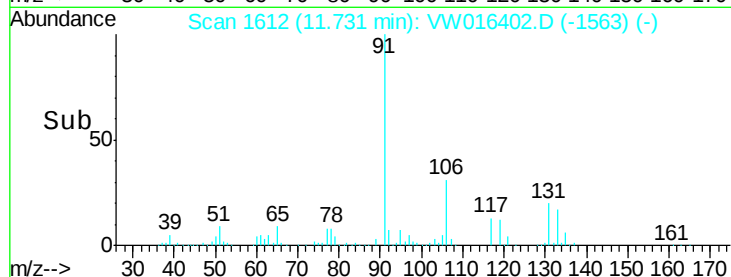
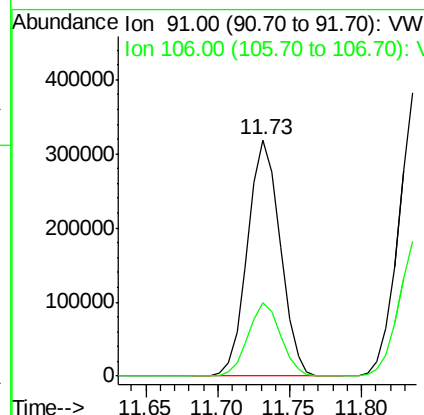
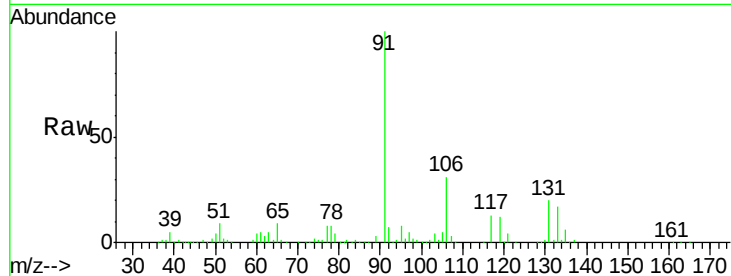




#67
Ethyl Benzene
Concen: 51.596 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

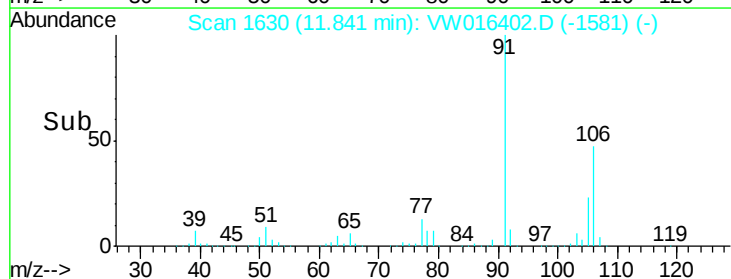
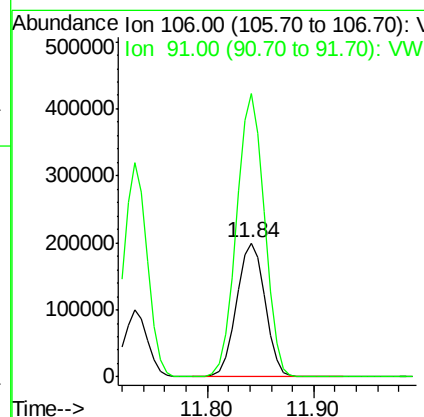
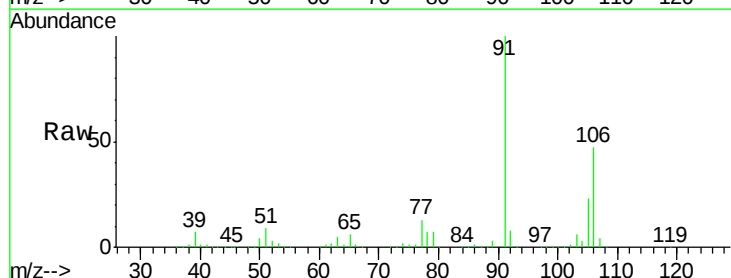
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

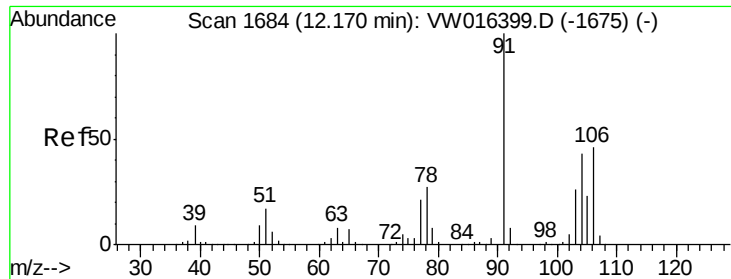
Tgt Ion: 91 Resp: 500275
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9



#68
m/p-Xylenes
Concen: 101.163 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion: 106 Resp: 374492
Ion Ratio Lower Upper
106 100
91 207.4 167.7 251.5

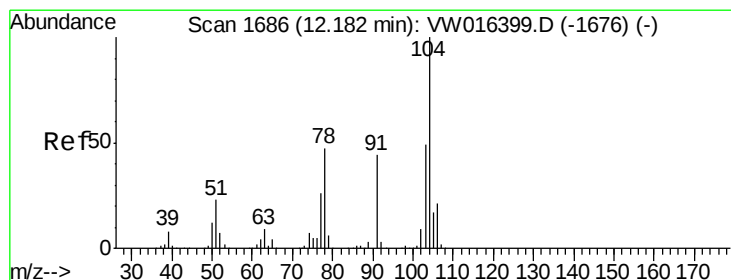
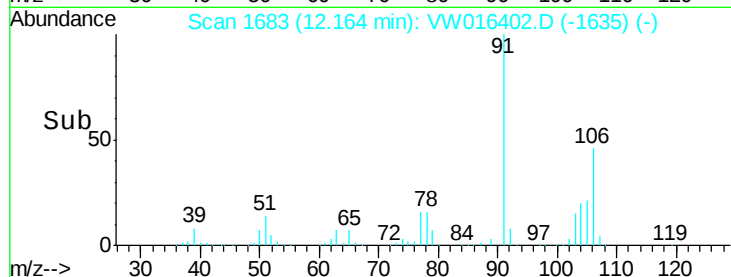
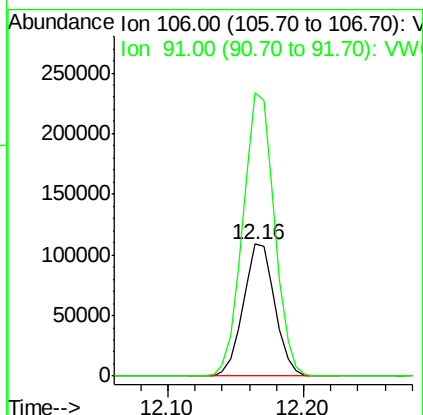
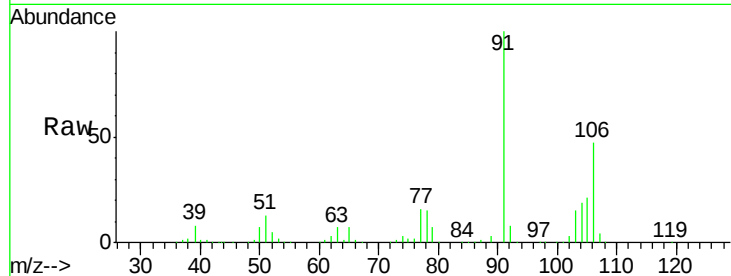




#69
o-Xylene
Concen: 52.019 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

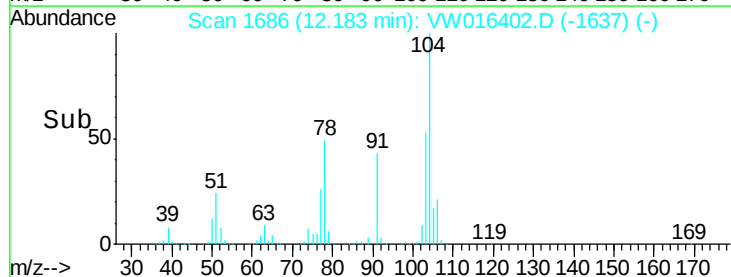
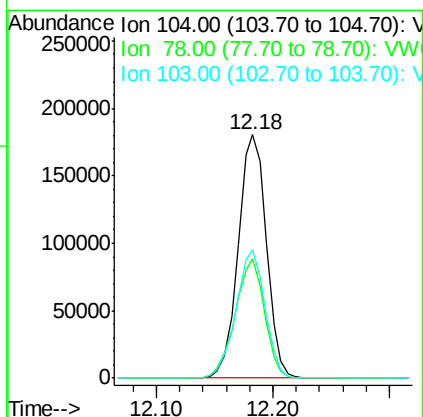
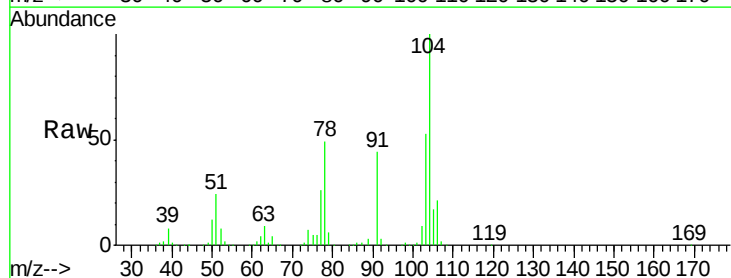
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

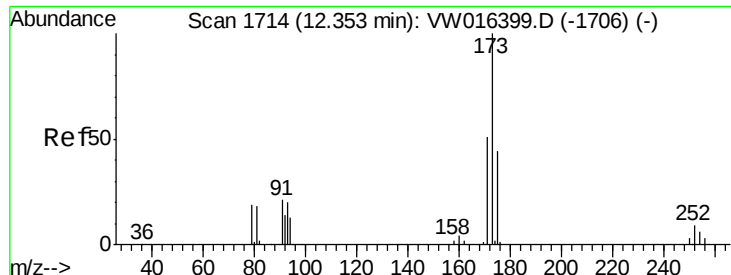
Tgt Ion:106 Resp: 177086
Ion Ratio Lower Upper
106 100
91 214.6 111.7 334.9



#70
Styrene
Concen: 52.282 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion:104 Resp: 303327
Ion Ratio Lower Upper
104 100
78 51.1 41.7 62.5
103 54.4 42.9 64.3





#71

Bromoform

Concen: 51.022 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

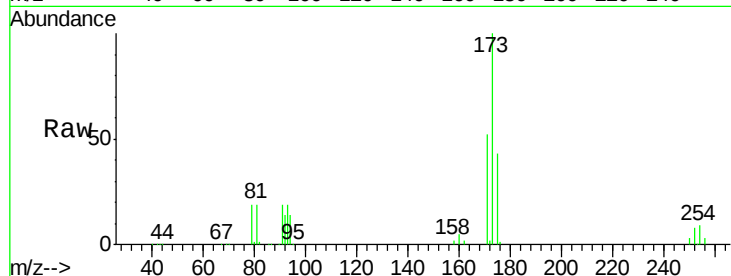
Tgt Ion:173 Resp: 52210

Ion Ratio Lower Upper

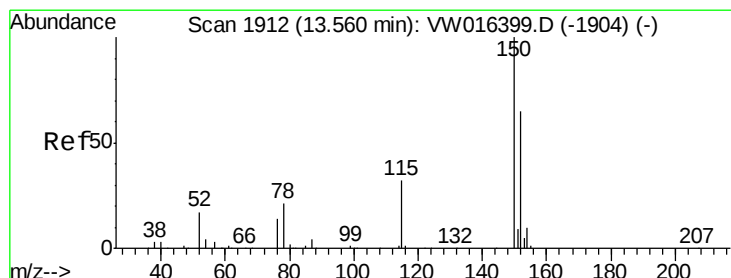
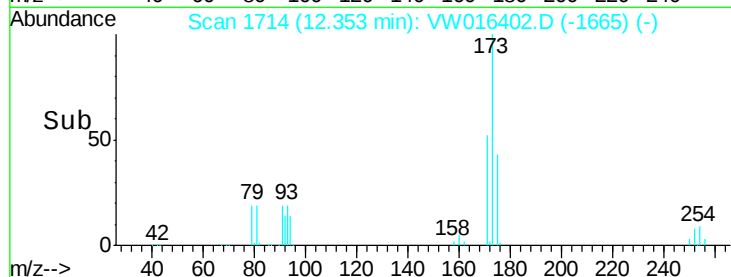
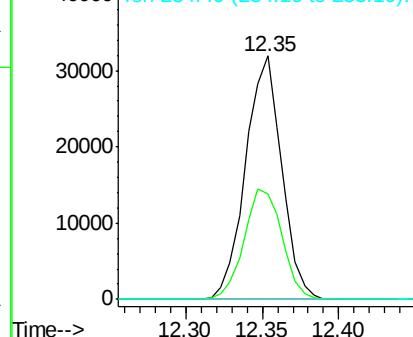
173 100

175 47.8 23.5 70.6

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

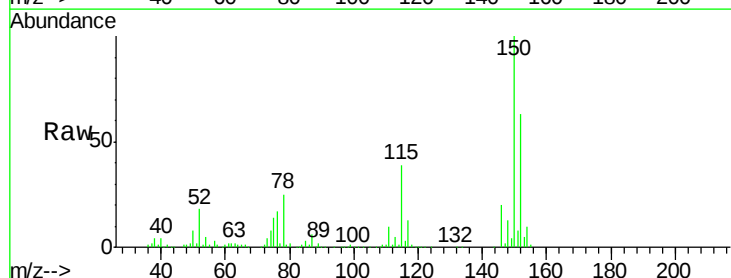
Tgt Ion:152 Resp: 128881

Ion Ratio Lower Upper

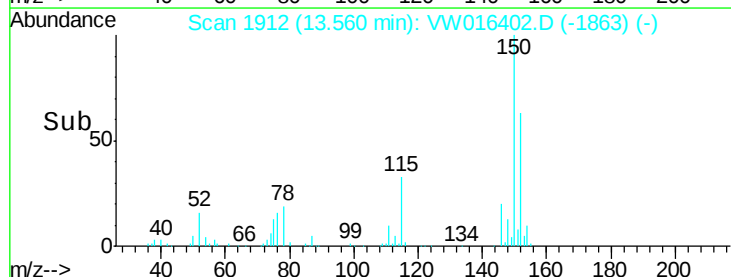
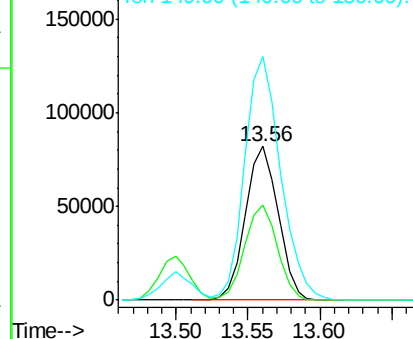
152 100

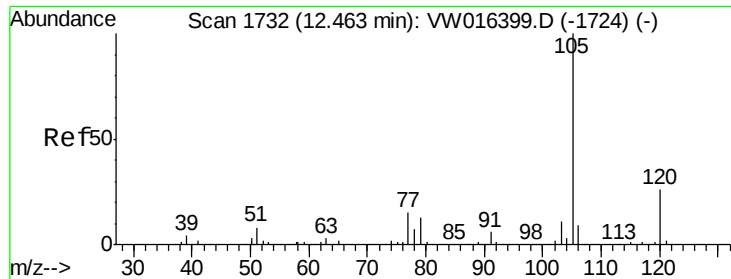
115 61.8 30.9 92.5

150 174.4 0.0 351.0



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: 52.754 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

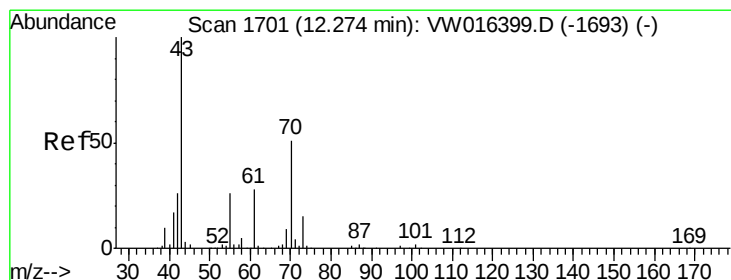
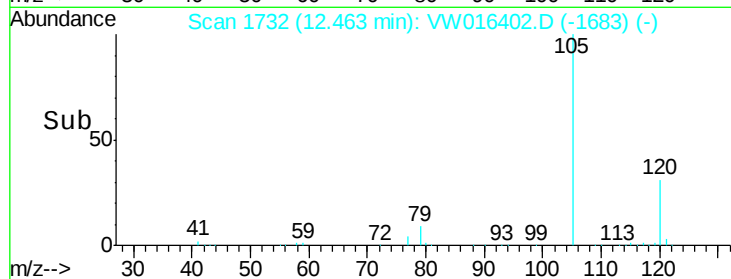
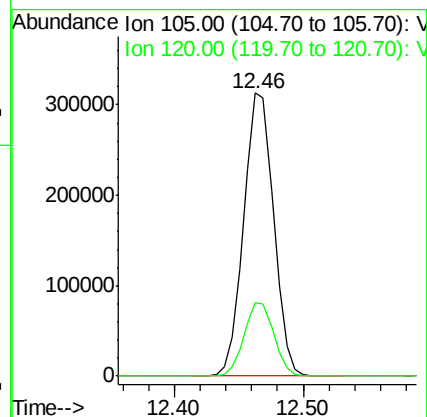
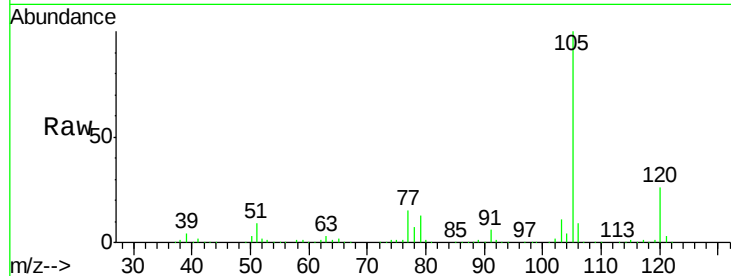
ICVW082820

Tgt Ion: 105 Resp: 501334

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#74

N-ethyl acetate

Concen: 52.457 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Tgt Ion: 43 Resp: 87240

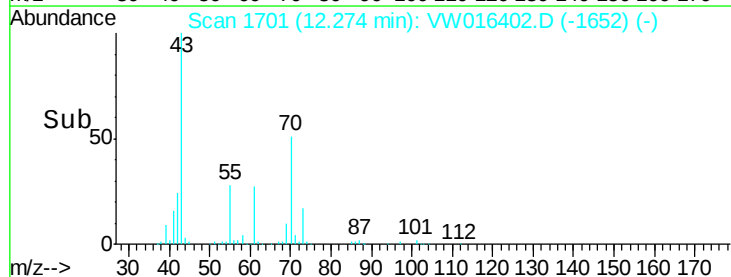
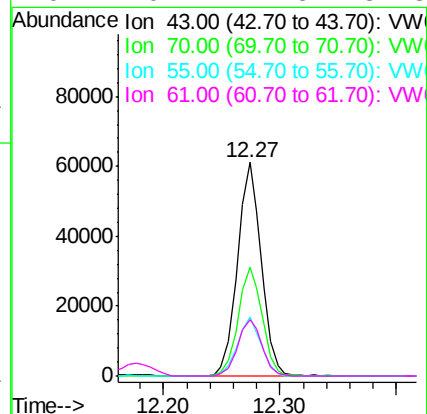
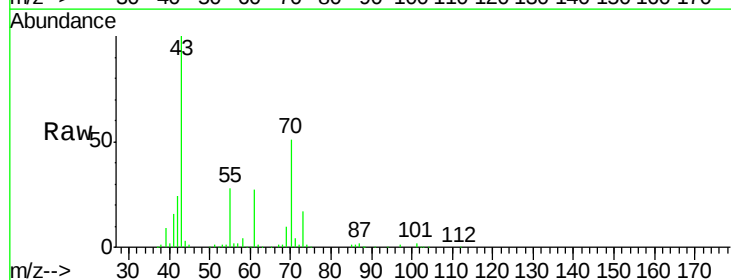
Ion Ratio Lower Upper

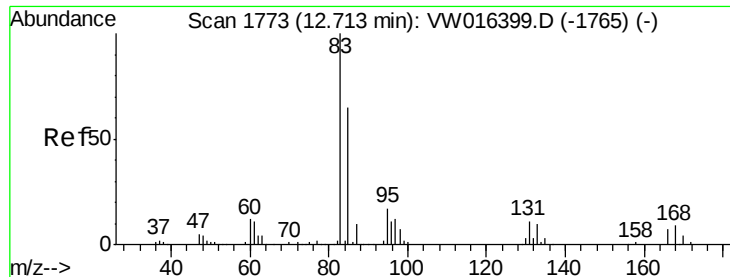
43 100

70 51.2 40.8 61.2

55 27.5 21.6 32.4

61 26.7 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.358 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

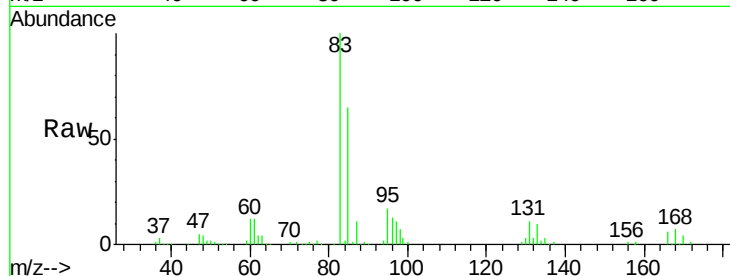
Tgt Ion: 83 Resp: 78781

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.8

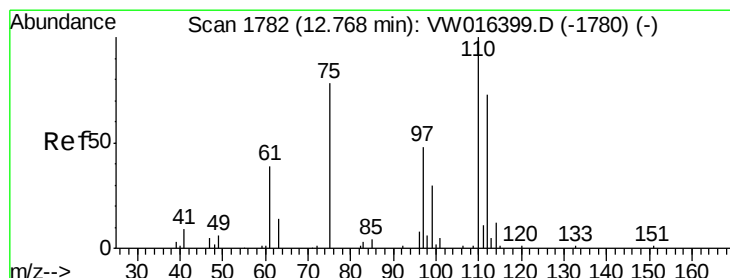
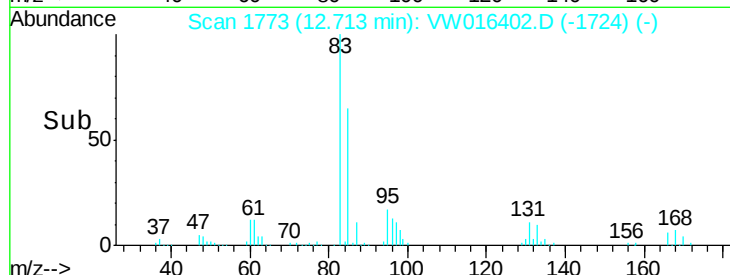
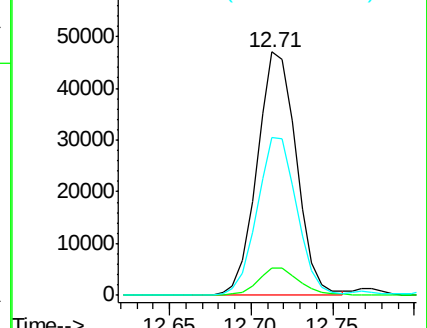
85 65.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 91.030 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016402.D

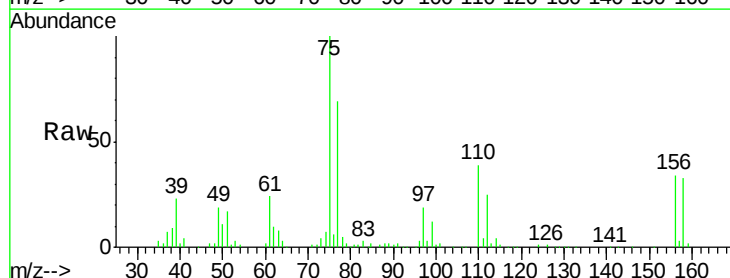
Acq: 28 Aug 2020 15:20

Tgt Ion: 75 Resp: 103741

Ion Ratio Lower Upper

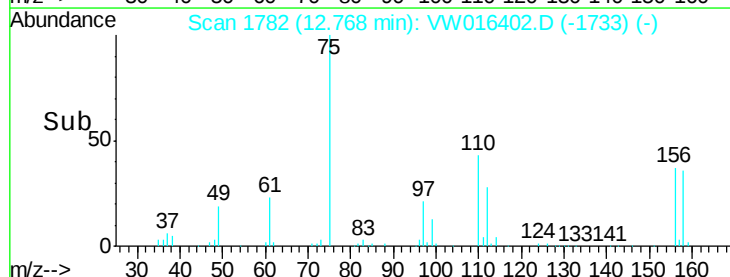
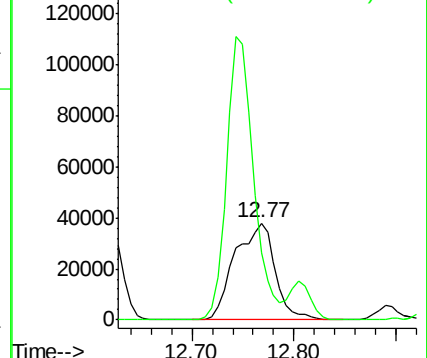
75 100

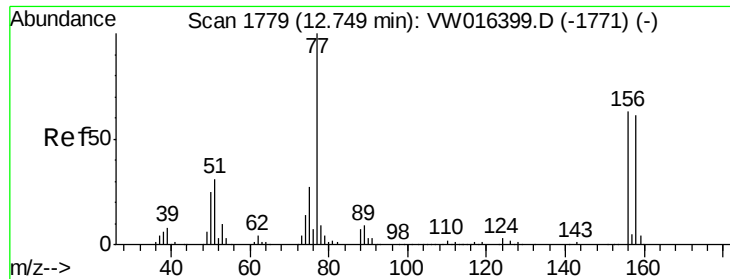
77 0.0 173.4 520.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.300 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

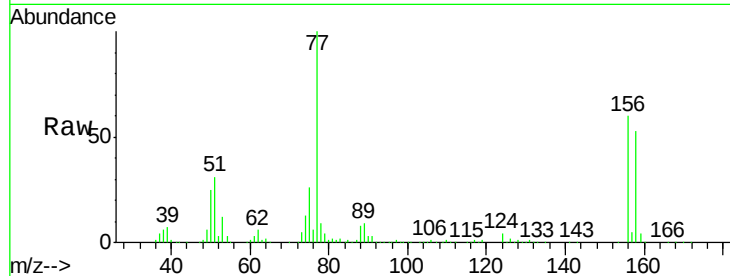
Tgt Ion:156 Resp: 113333

Ion Ratio Lower Upper

156 100

77 179.0 90.0 269.9

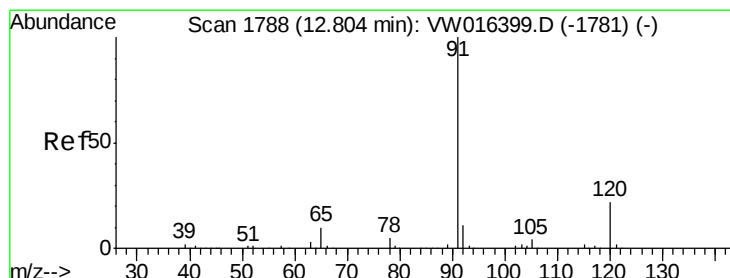
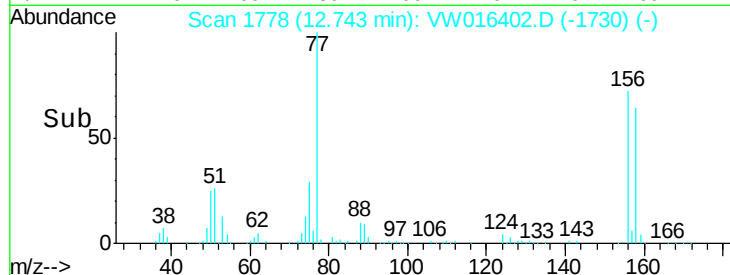
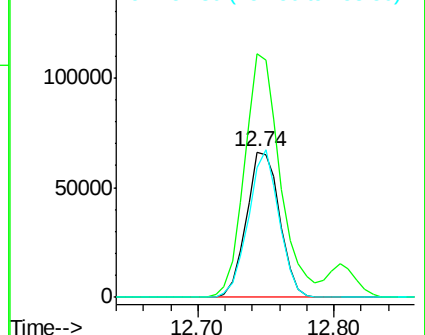
158 93.7 47.3 141.8



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: 52.071 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016402.D

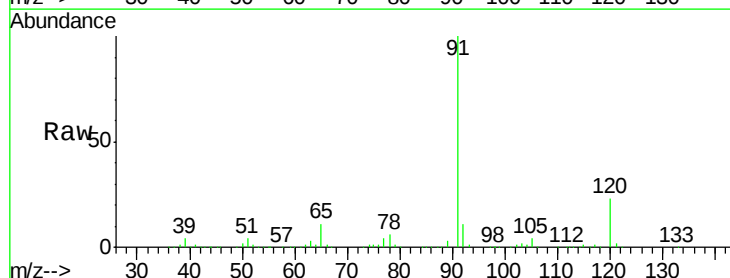
Acq: 28 Aug 2020 15:20

Tgt Ion: 91 Resp: 580904

Ion Ratio Lower Upper

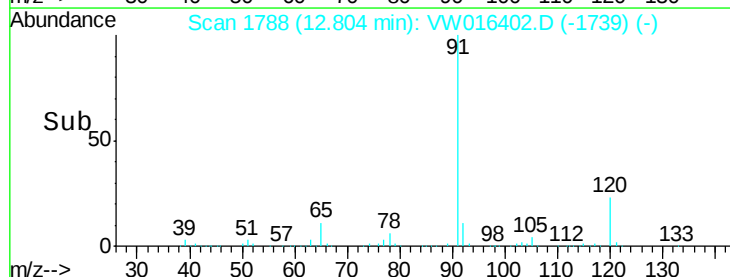
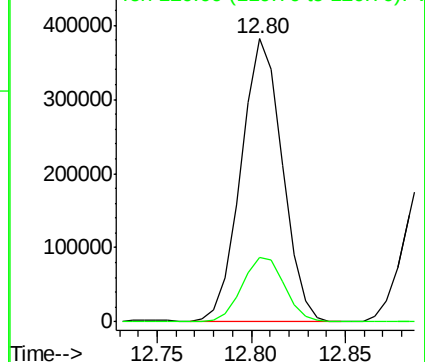
91 100

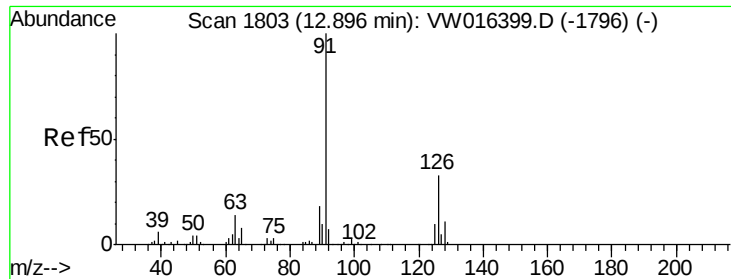
120 23.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.536 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

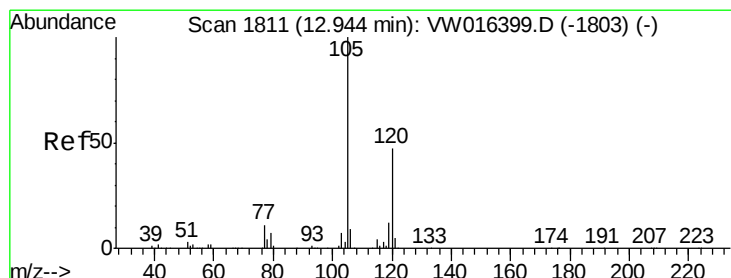
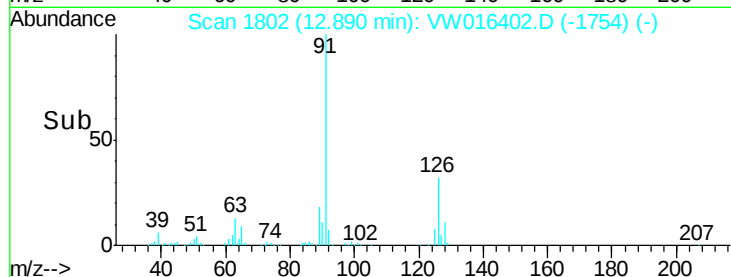
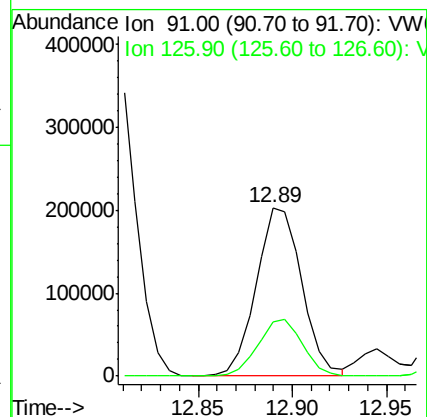
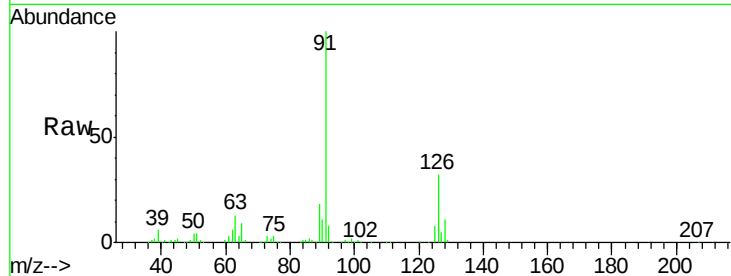
ICVW082820

Tgt Ion: 91 Resp: 338593

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 51.536 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016402.D

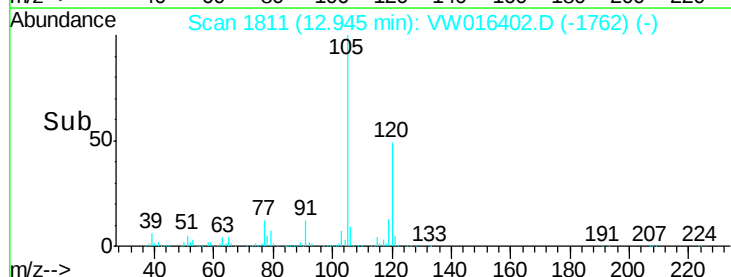
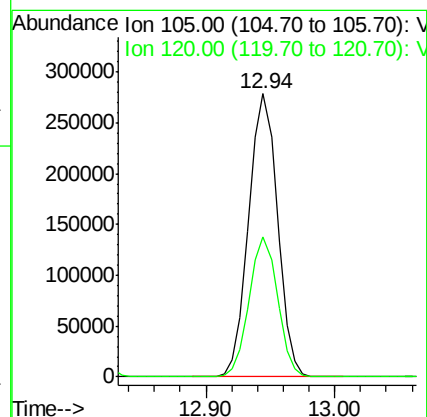
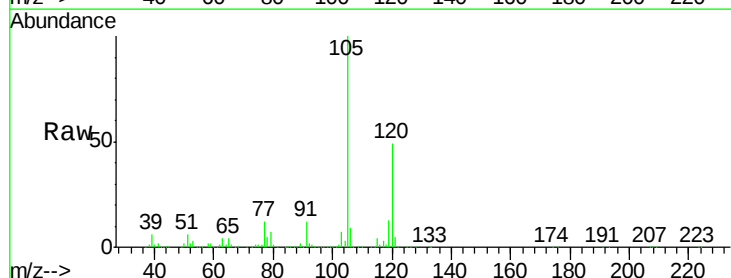
Acq: 28 Aug 2020 15:20

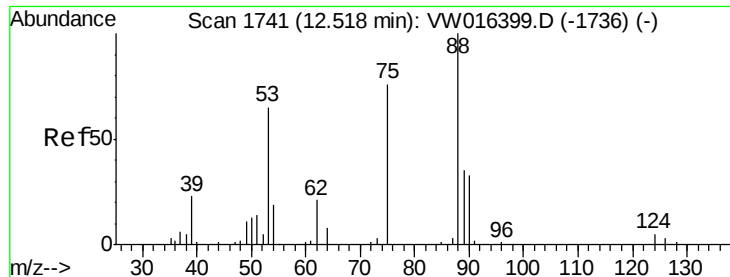
Tgt Ion: 105 Resp: 429554

Ion Ratio Lower Upper

105 100

120 48.8 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.170 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

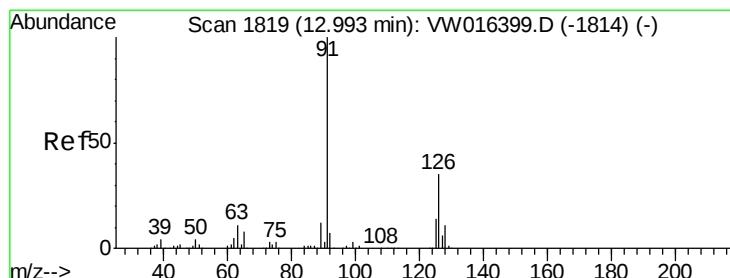
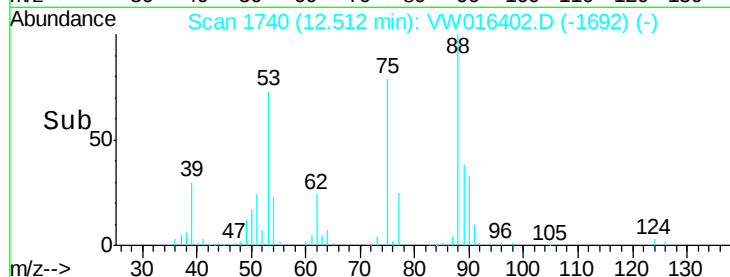
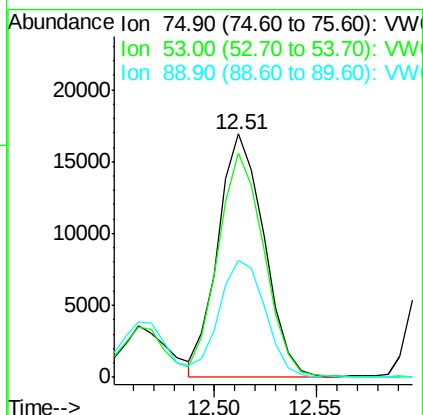
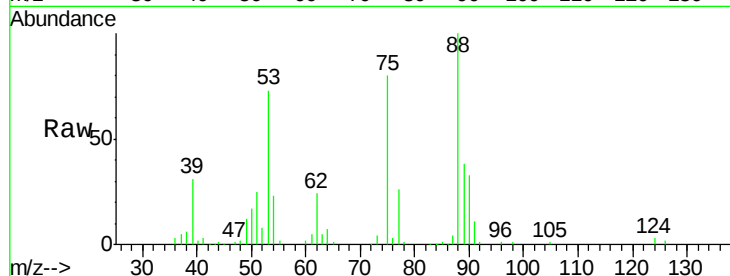
Tgt Ion: 75 Resp: 26266

Ion Ratio Lower Upper

75 100

53 92.9 75.2 112.8

89 48.9 40.4 60.6



#82

4-Chlorotoluene

Concen: 50.332 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW016402.D

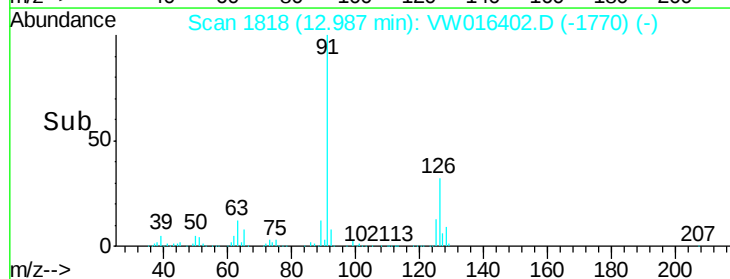
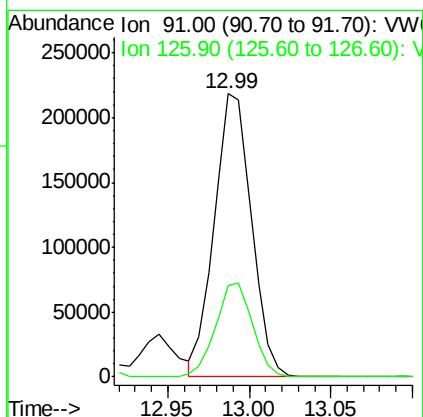
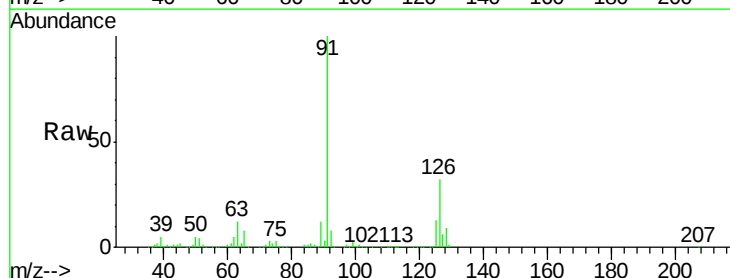
Acq: 28 Aug 2020 15:20

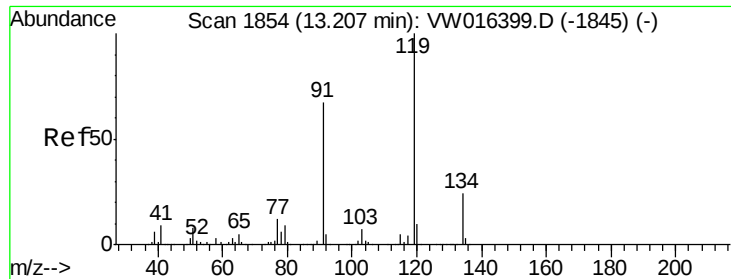
Tgt Ion: 91 Resp: 345726

Ion Ratio Lower Upper

91 100

126 33.1 17.0 50.9

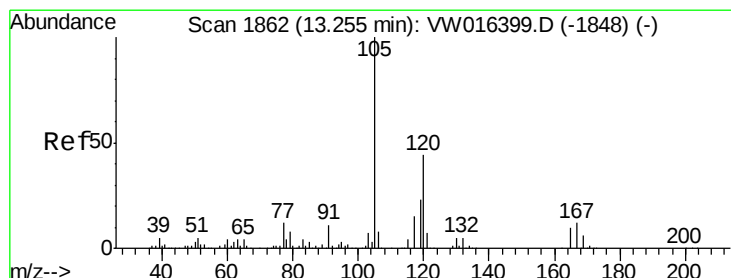
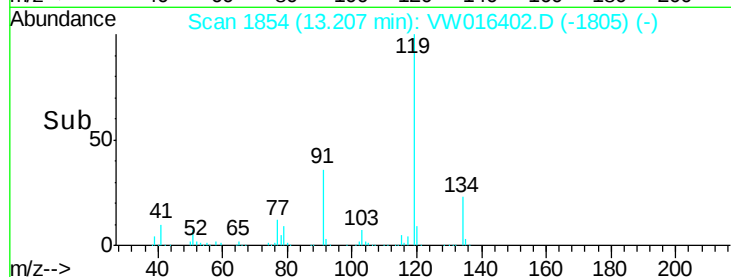
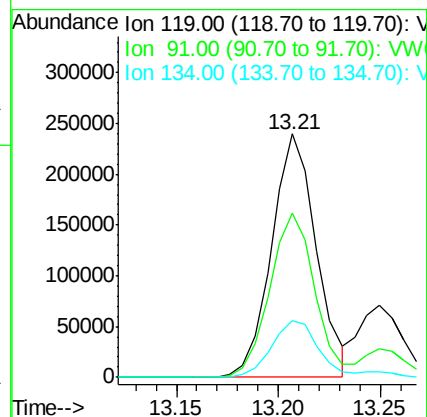
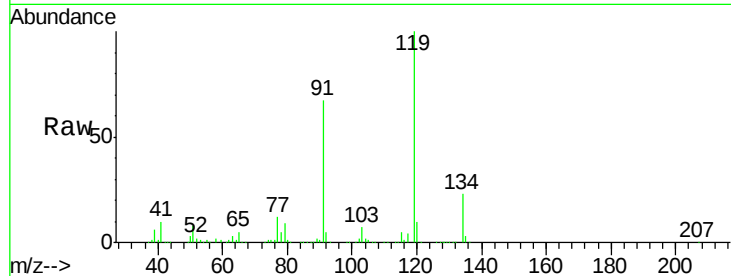




#83
tert-Butylbenzene
Concen: 51.971 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

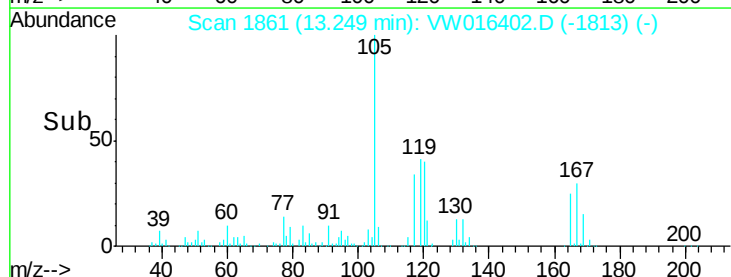
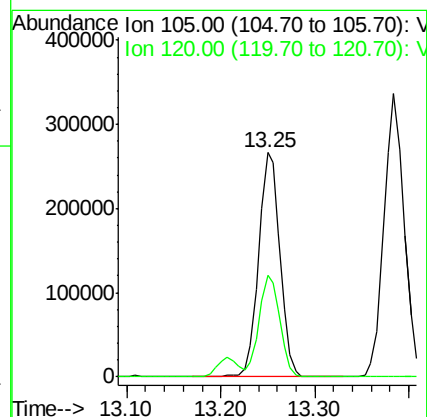
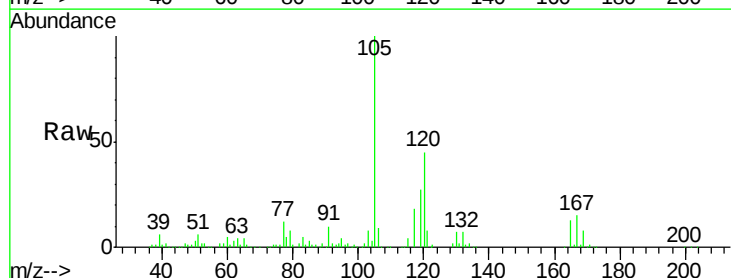
Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

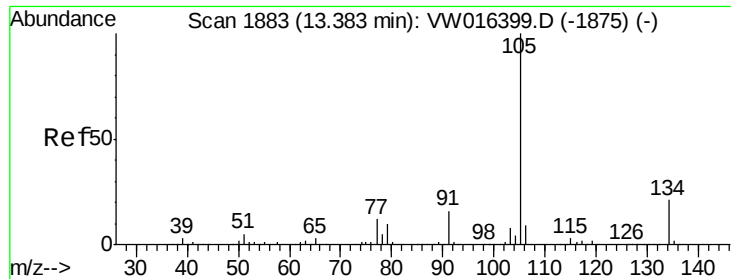
Tgt Ion:119 Resp: 363928
Ion Ratio Lower Upper
119 100
91 68.9 34.1 102.3
134 24.5 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 51.446 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion:105 Resp: 427697
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

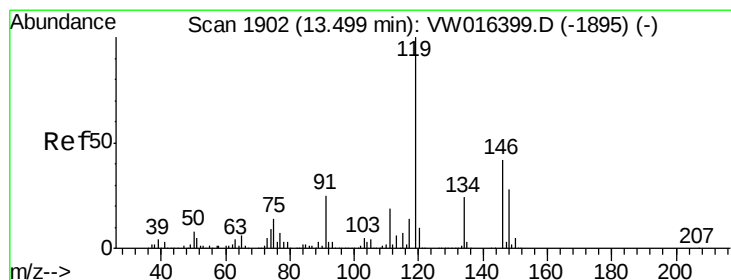
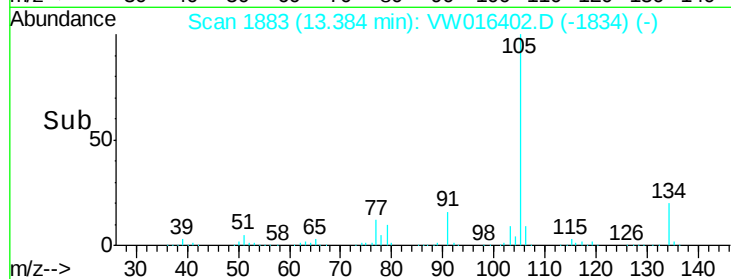
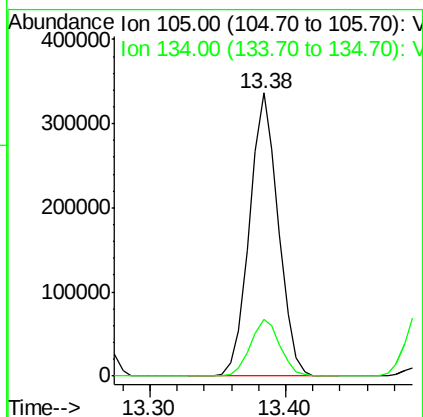
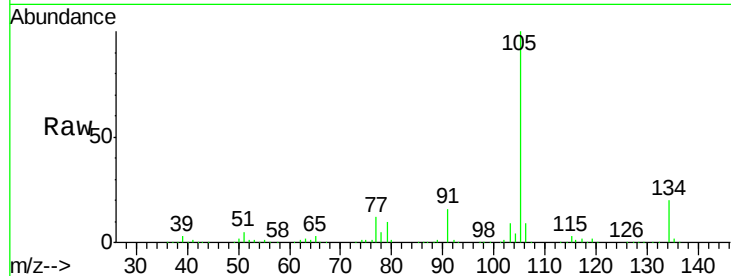




#85
 sec-Butylbenzene
 Concen: 51.478 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

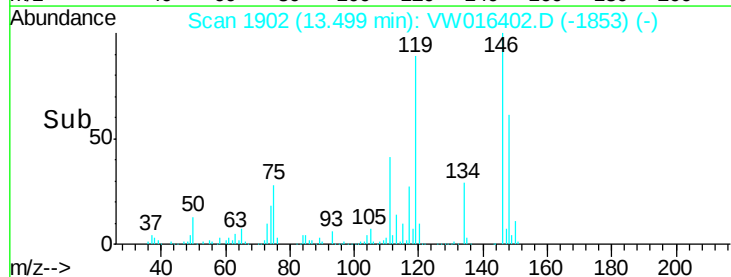
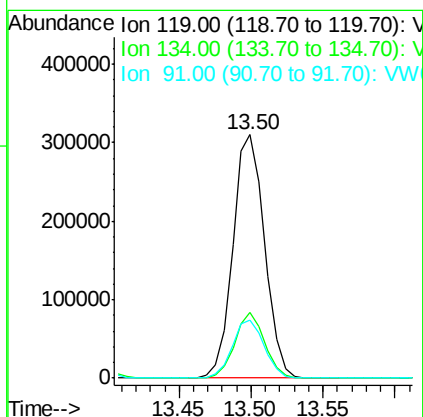
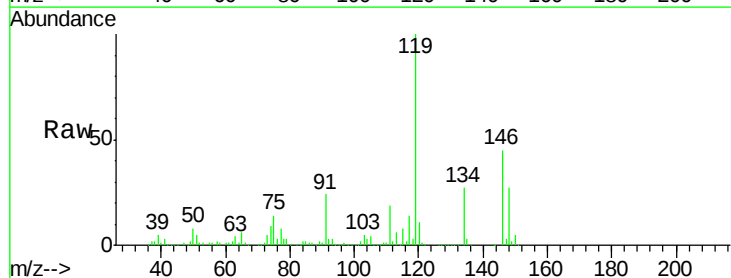
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

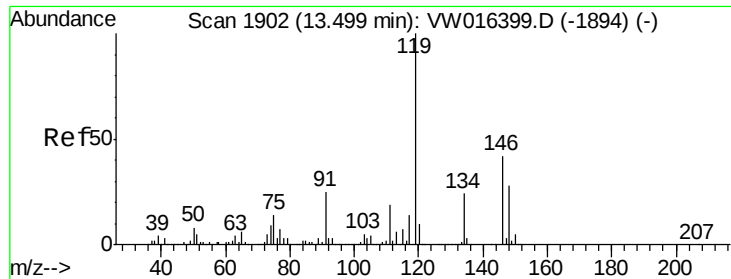
Tgt Ion:105 Resp: 499133
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 52.249 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion:119 Resp: 472940
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.6 37.6
 91 24.2 12.2 36.4

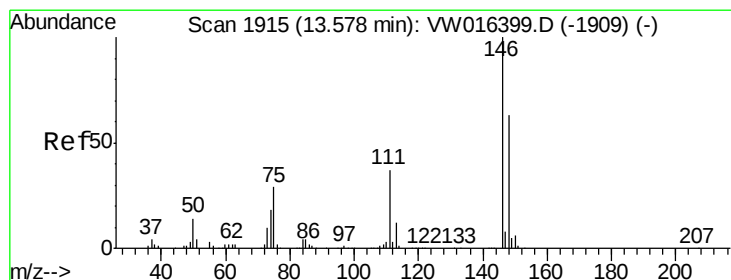
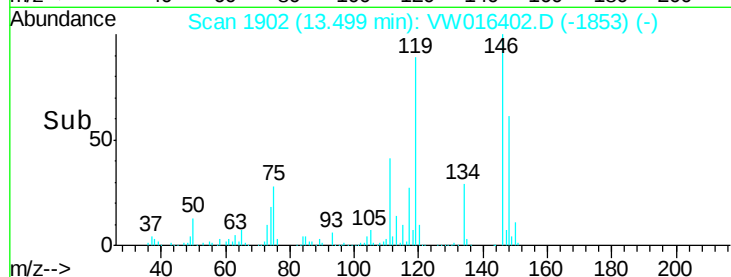
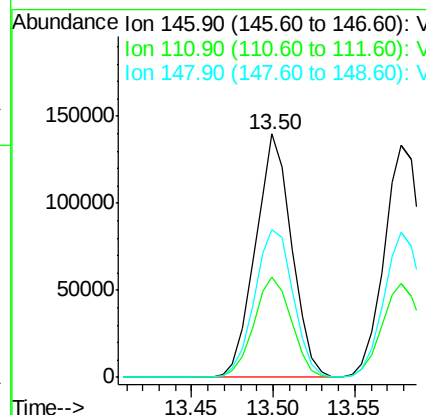
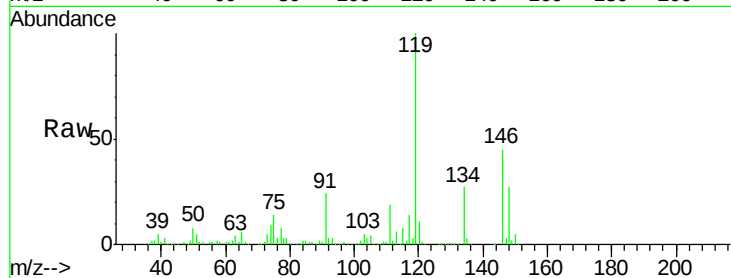




#87
 1,3-Dichlorobenzene
 Concen: 51.054 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

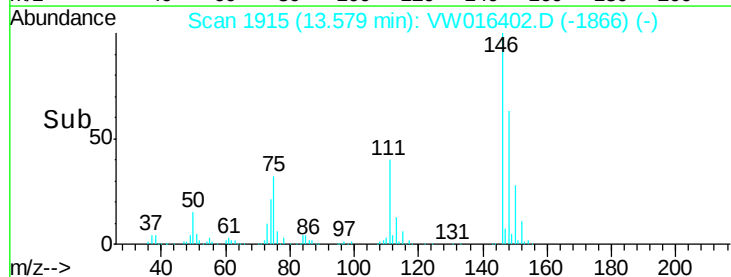
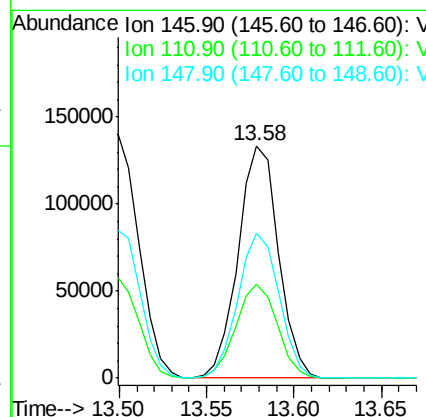
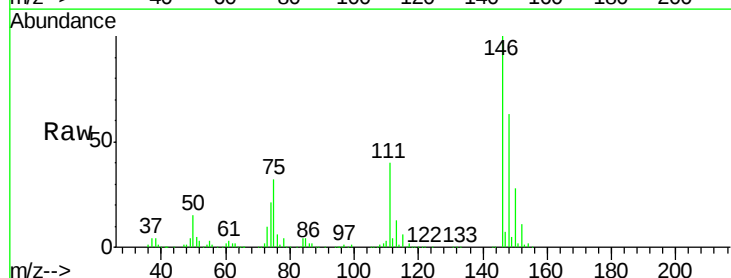
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082820

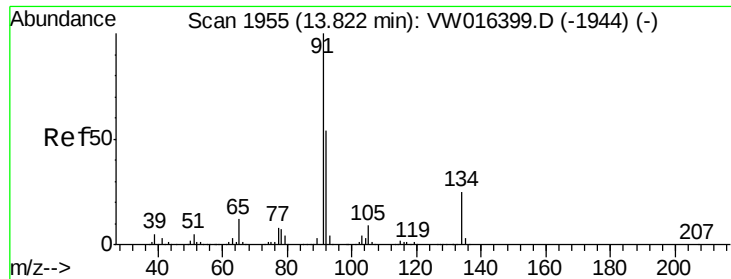
Tgt Ion:146 Resp: 216498
 Ion Ratio Lower Upper
 146 100
 111 42.6 22.6 67.8
 148 64.7 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 50.214 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016402.D
 Acq: 28 Aug 2020 15:20

Tgt Ion:146 Resp: 214237
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.4 61.3
 148 63.9 32.0 96.2





#89

n-Butylbenzene

Concen: 51.965 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

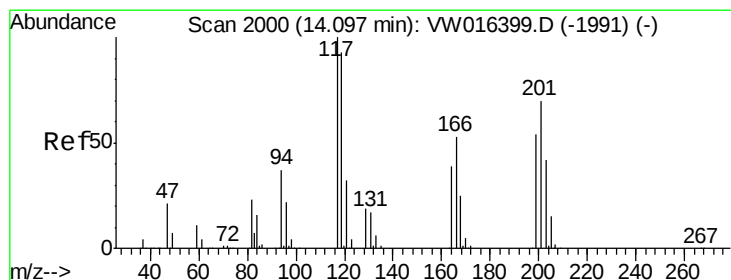
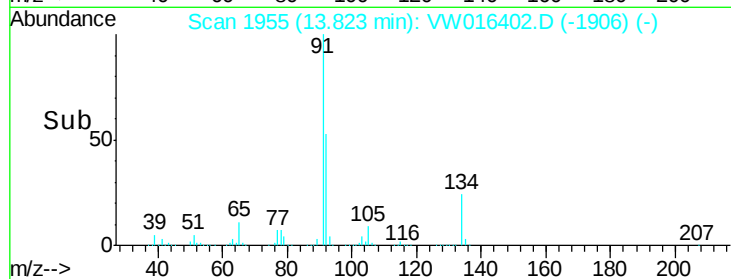
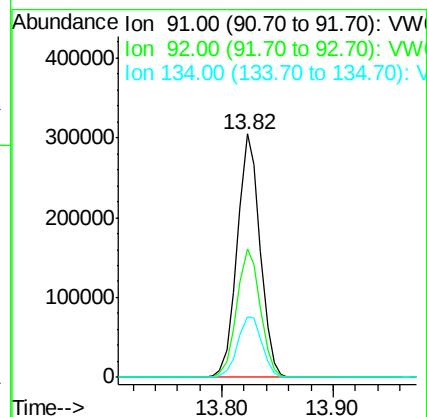
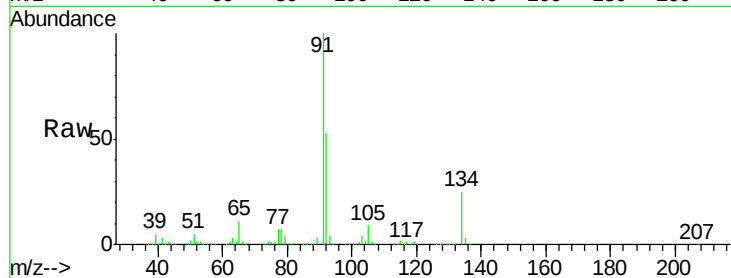
Tgt Ion: 91 Resp: 431855

Ion Ratio Lower Upper

91 100

92 54.2 26.8 80.4

134 26.7 13.2 39.6



#90

Hexachloroethane

Concen: 50.616 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016402.D

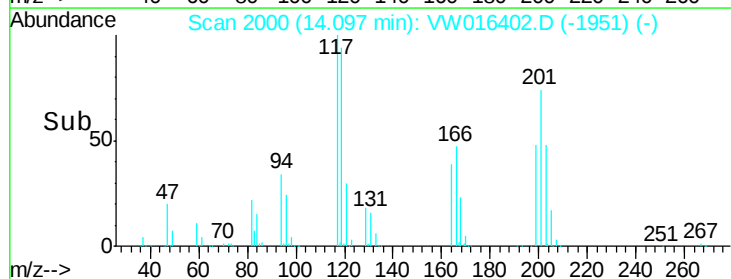
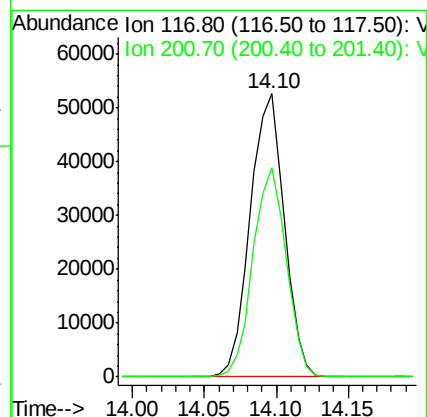
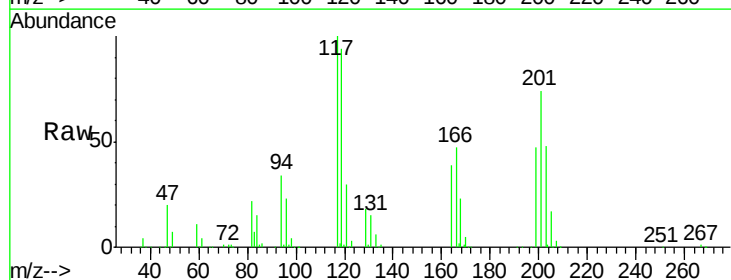
Acq: 28 Aug 2020 15:20

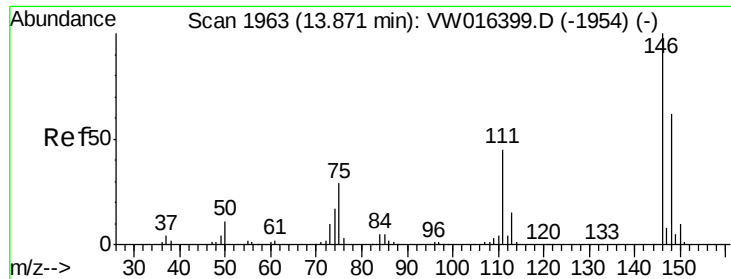
Tgt Ion: 117 Resp: 86023

Ion Ratio Lower Upper

117 100

201 72.0 35.9 107.7





#91

1,2-Dichlorobenzene

Concen: 51.119 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

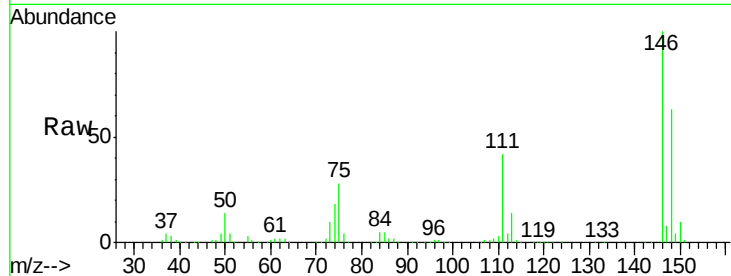
Tgt Ion:146 Resp: 194180

Ion Ratio Lower Upper

146 100

111 43.5 22.3 66.8

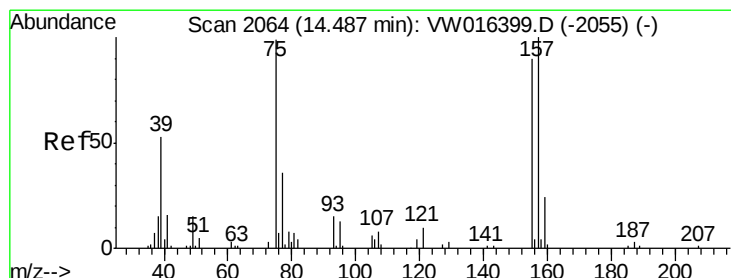
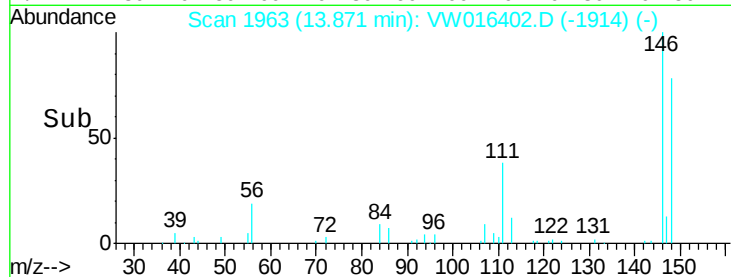
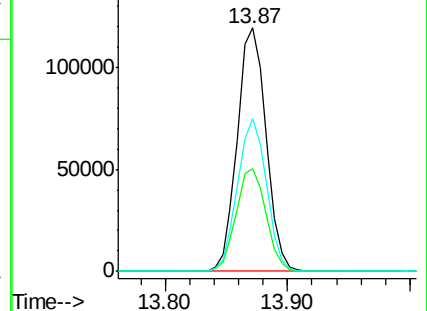
148 62.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.289 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

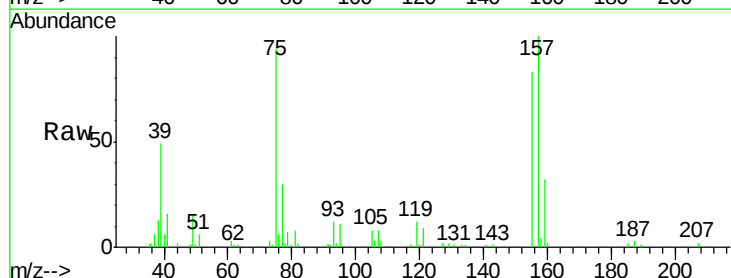
Tgt Ion: 75 Resp: 14016

Ion Ratio Lower Upper

75 100

155 88.5 41.4 124.4

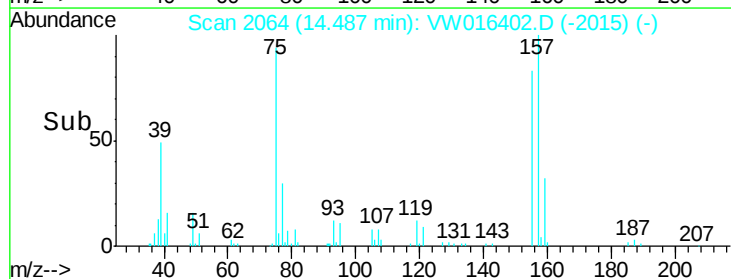
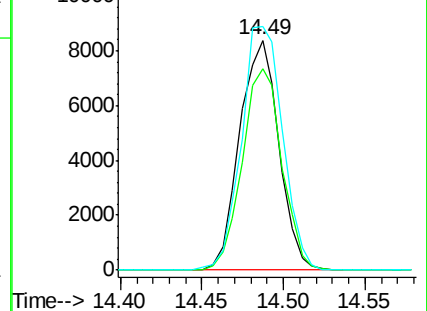
157 111.9 52.1 156.4

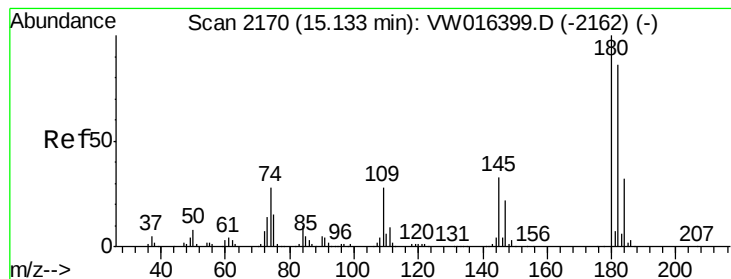


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 51.446 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

ICVW082820

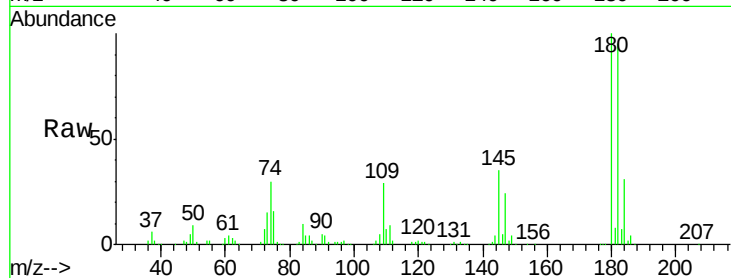
Tgt Ion:180 Resp: 129729

Ion Ratio Lower Upper

180 100

182 93.7 44.9 134.7

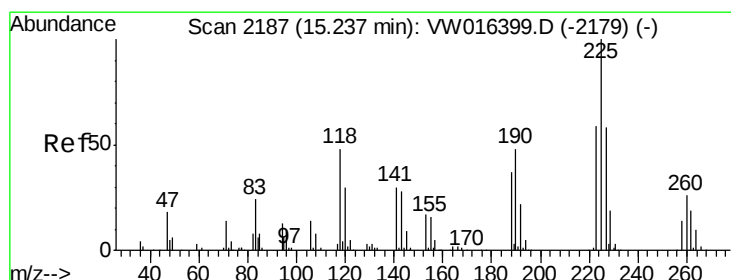
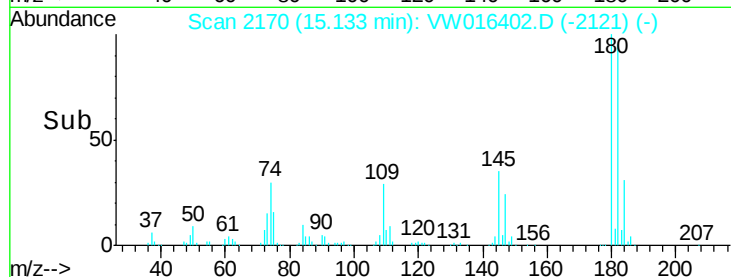
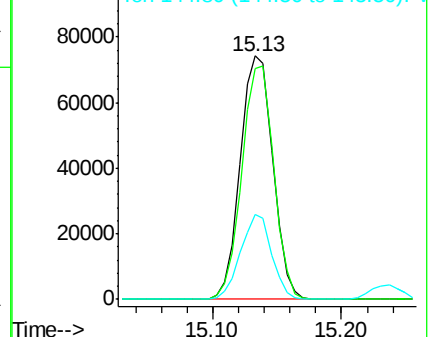
145 33.1 17.1 51.2



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: 52.547 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW016402.D

Acq: 28 Aug 2020 15:20

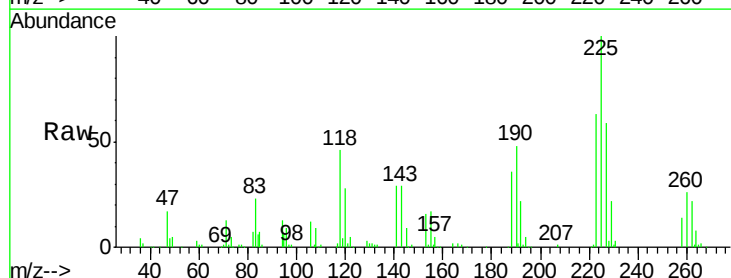
Tgt Ion:225 Resp: 79108

Ion Ratio Lower Upper

225 100

223 61.1 30.5 91.5

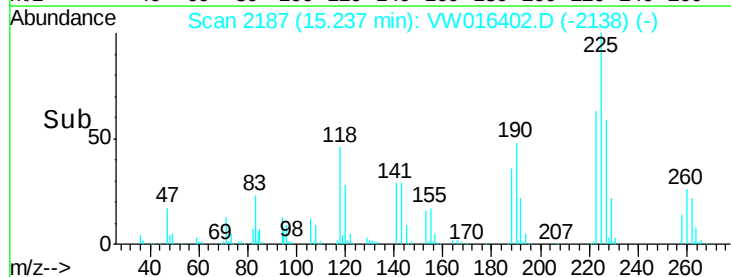
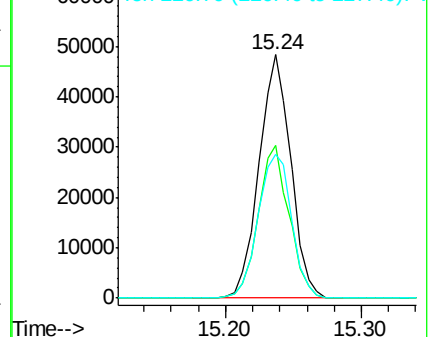
227 62.5 30.7 92.1

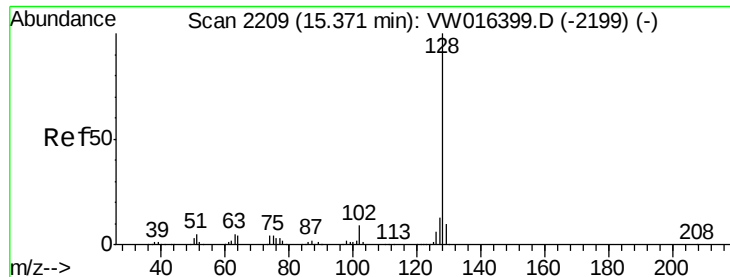


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

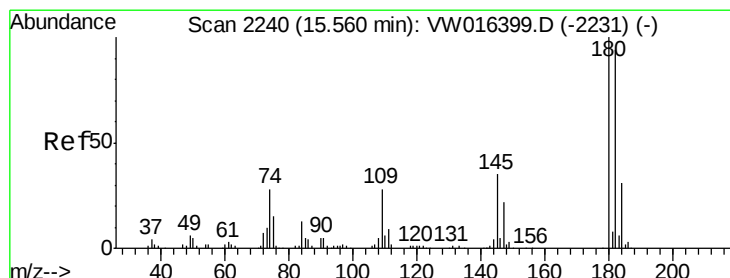
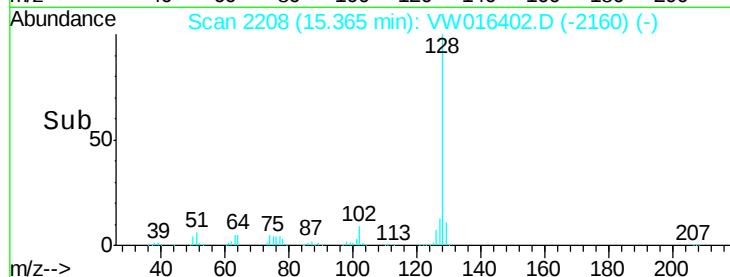
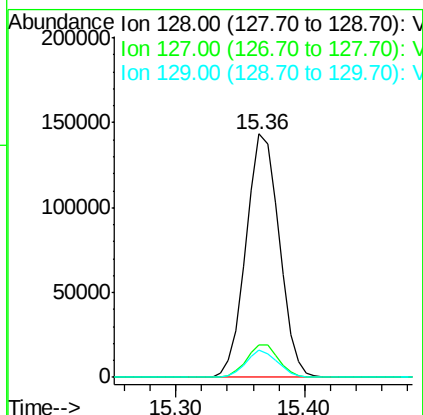
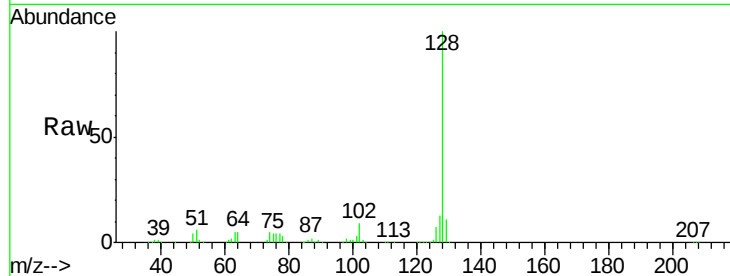




#95
Naphthalene
Concen: 54.687 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Instrument :
MSVOA_W
ClientSampleId :
ICVW082820

Tgt Ion:128 Resp: 255195
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.212 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016402.D
Acq: 28 Aug 2020 15:20

Tgt Ion:180 Resp: 113152
Ion Ratio Lower Upper
180 100
182 97.4 46.5 139.5
145 35.4 18.1 54.3

