

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016190.D
 Acq On : 14 Aug 2020 14:25
 Operator : SY/VA
 Sample : VW0814SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Quant Time: Aug 17 08:09:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	135228	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.88	113	138005	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.32	98	549277	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	197977	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37787	20.637	ug/l	95
3) Chloromethane	2.21	50	38461	19.729	ug/l	98
4) Vinyl Chloride	2.36	62	52962	19.410	ug/l	93
5) Bromomethane	2.78	94	35875	21.146	ug/l	95
6) Chloroethane	2.92	64	30970	20.098	ug/l	95
7) Trichlorofluoromethane	3.26	101	39652	17.950	ug/l	96
8) Diethyl Ether	3.67	74	28348	20.450	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55397	19.124	ug/l	99
10) Methyl Iodide	4.26	142	80414	19.213	ug/l	99
11) Tert butyl alcohol	5.18	59	21936	156.973	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	58119	19.716	ug/l	97
13) Acrolein	3.89	56	21681	107.405	ug/l	99
14) Allyl chloride	4.67	41	79228	20.060	ug/l	99
15) Acrylonitrile	5.37	53	56798	108.740	ug/l	100
16) Acetone	4.12	43	52771	104.912	ug/l	99
17) Carbon Disulfide	4.37	76	165547	19.127	ug/l	98
18) Methyl Acetate	4.67	43	25746	21.980	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	76503	21.077	ug/l	97
20) Methylene Chloride	4.91	84	82222	23.717	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	61880	19.277	ug/l	99
22) Diisopropyl ether	6.32	45	153934	20.674	ug/l	98
23) Vinyl Acetate	6.26	43	448654	105.233	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101325	19.498	ug/l	98
25) 2-Butanone	7.17	43	71349	105.841	ug/l	98
26) 2,2-Dichloropropane	7.16	77	65721	19.578	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	66336	20.021	ug/l	99
28) Bromochloromethane	7.51	49	39282	19.924	ug/l	99
29) Tetrahydrofuran	7.53	42	44978	111.618	ug/l	98
30) Chloroform	7.68	83	105347	19.511	ug/l	94
31) Cyclohexane	7.95	56	94401	19.700	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	89619	19.755	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86703	19.641	ug/l	99
37) Ethyl Acetate	7.26	43	31659	20.918	ug/l	98
38) Carbon Tetrachloride	8.07	117	83781	19.019	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105804	19.898	ug/l	99
40) Benzene	8.32	78	241460	19.444	ug/l	97
41) Methacrylonitrile	7.48	41	18192	21.061	ug/l	99
42) 1,2-Dichloroethane	8.40	62	64828	19.766	ug/l	99
43) Isopropyl Acetate	8.43	43	57724	20.273	ug/l	99
44) Trichloroethene	9.09	130	65073	18.502	ug/l	92
45) 1,2-Dichloropropane	9.37	63	57796	19.744	ug/l	96
46) Dibromomethane	9.46	93	30722	19.990	ug/l	99
47) Bromodichloromethane	9.65	83	75470	19.007	ug/l	99
48) Methyl methacrylate	9.44	41	27014	20.408	ug/l	95
49) 1,4-Dioxane	9.45	88	8856	457.626	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	152059	105.588	ug/l	100
52) Toluene	10.39	92	156717	19.708	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	73890	20.098	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90334	19.770	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	44490	20.175	ug/l	96
56) Ethyl methacrylate	10.65	69	52327	20.808	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76346	20.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	119483	104.211	ug/l	100
59) 2-Hexanone	10.97	43	103707	105.266	ug/l	99
60) Dibromochloromethane	11.13	129	51515	19.638	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42063	19.815	ug/l	98
64) Tetrachloroethene	10.86	164	51169	19.245	ug/l	96
65) Chlorobenzene	11.66	112	164533	19.811	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57519	19.813	ug/l	98
67) Ethyl Benzene	11.73	91	298348	19.988	ug/l	99
68) m/p-Xylenes	11.84	106	228546	39.835	ug/l	100
69) o-Xylene	12.17	106	104505	20.446	ug/l	100
70) Styrene	12.18	104	177770	20.099	ug/l	99
71) Bromoform	12.35	173	26632	20.498	ug/l #	97
73) Isopropylbenzene	12.47	105	292934	19.503	ug/l	99
74) N-amyl acetate	12.27	43	55016	20.454	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	49662	19.760	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61274	33.803	ug/l	33
77) Bromobenzene	12.75	156	63939	19.246	ug/l	99
78) n-propylbenzene	12.80	91	346349	19.319	ug/l	100
79) 2-Chlorotoluene	12.90	91	200185	19.330	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	252711	19.600	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14537	19.236	ug/l	98
82) 4-Chlorotoluene	12.99	91	210167	19.493	ug/l	100
83) tert-Butylbenzene	13.21	119	208128	19.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	254787	19.970	ug/l	99
85) sec-Butylbenzene	13.38	105	302018	19.665	ug/l	99
86) p-Isopropyltoluene	13.50	119	274843	19.786	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	129299	19.434	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	127619	19.480	ug/l	99
89) n-Butylbenzene	13.82	91	257448	20.034	ug/l	99
90) Hexachloroethane	14.10	117	48236	18.607	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	113838	19.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7793	20.171	ug/l	98

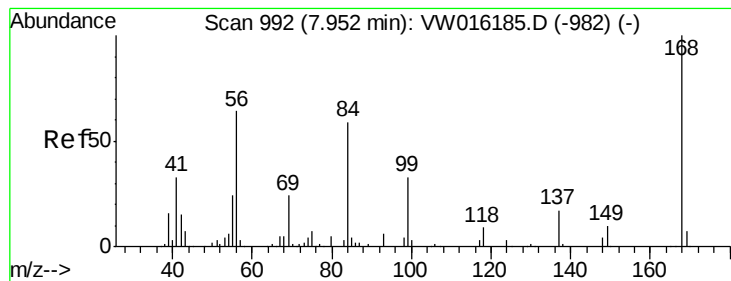
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Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69901	20.209	ug/l	96
94) Hexachlorobutadiene	15.24	225	38798	18.866	ug/l	97
95) Naphthalene	15.37	128	125953	19.702	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59730	20.108	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

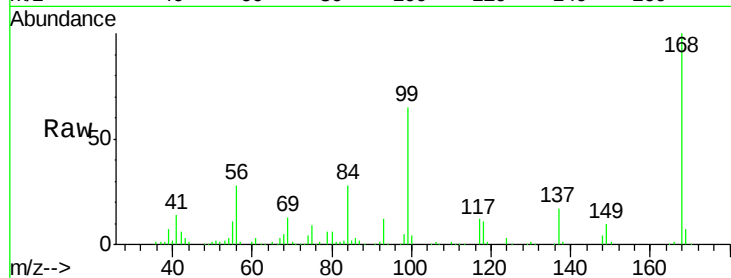
VW0814SBS01

Tgt Ion: 168 Resp: 269249

Ion Ratio Lower Upper

168 100

99 65.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

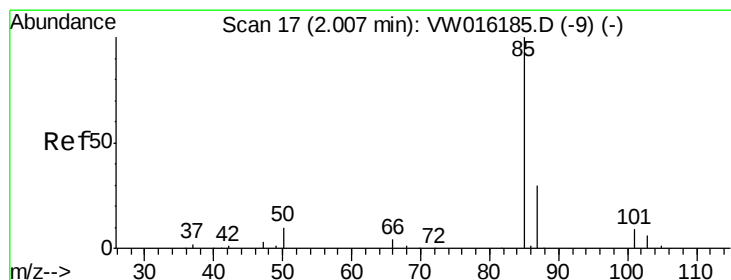
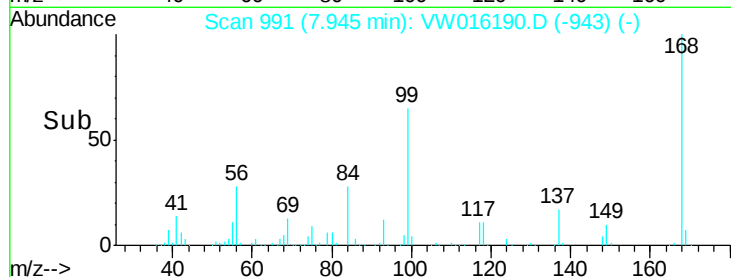
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.637 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016190.D

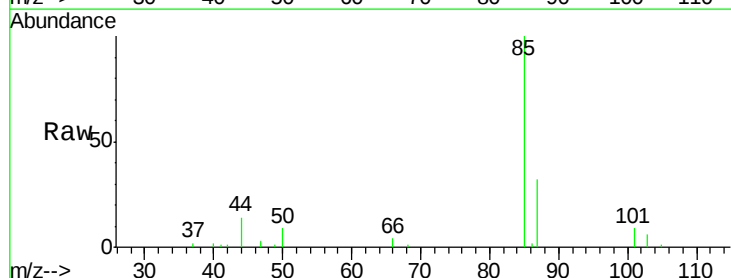
Acq: 14 Aug 2020 14:25

Tgt Ion: 85 Resp: 37787

Ion Ratio Lower Upper

85 100

87 32.2 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

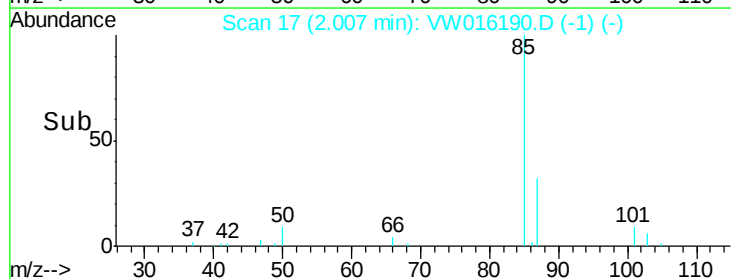
15000

10000

5000

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Time-->





#3

Chloromethane

Concen: 19.729 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

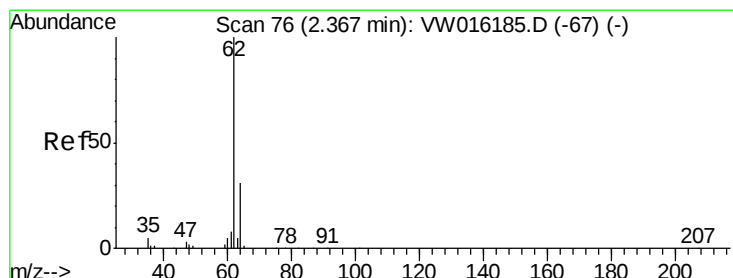
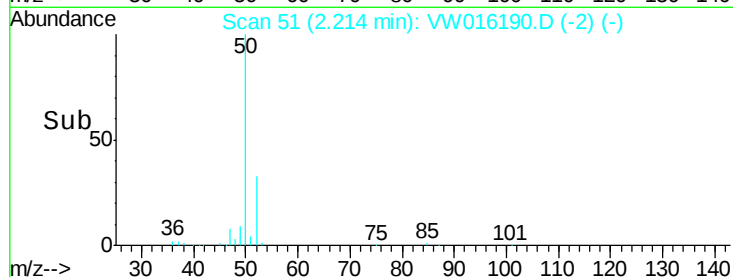
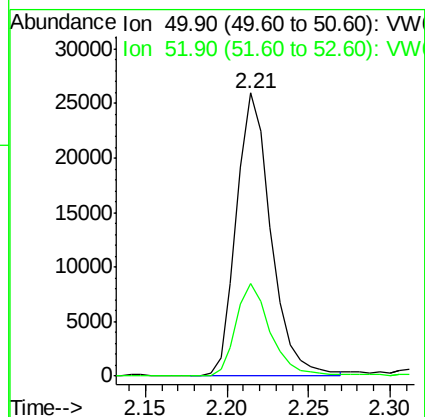
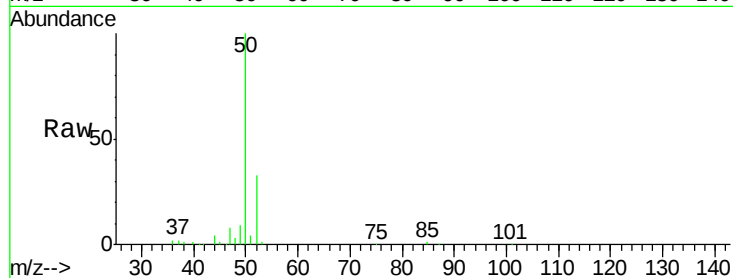
VW0814SBS01

Tgt Ion: 50 Resp: 38461

Ion Ratio Lower Upper

50 100

52 32.7 25.3 37.9



#4

Vinyl Chloride

Concen: 19.410 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016190.D

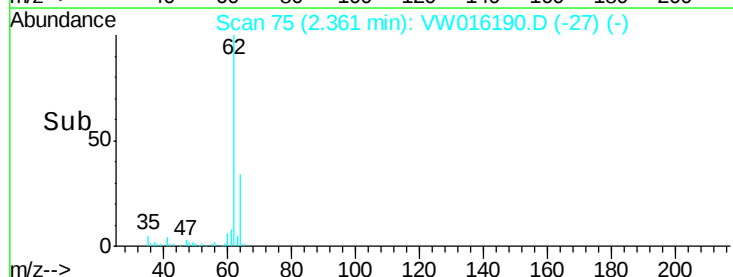
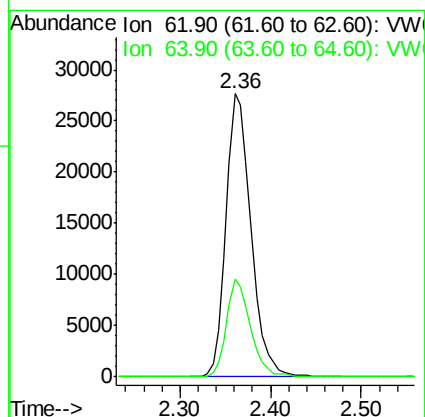
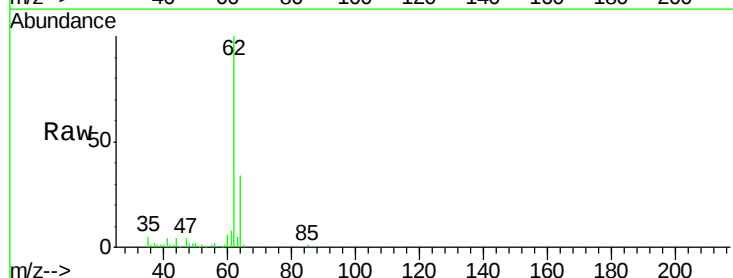
Acq: 14 Aug 2020 14:25

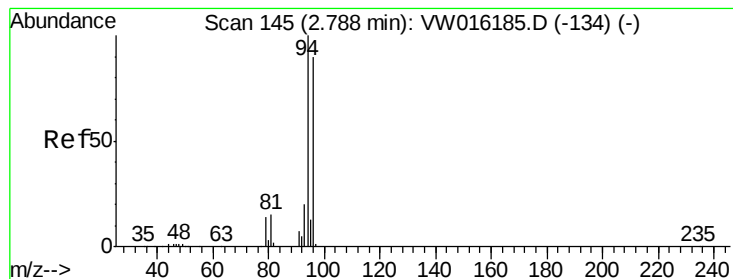
Tgt Ion: 62 Resp: 52962

Ion Ratio Lower Upper

62 100

64 34.5 24.5 36.7





#5

Bromomethane

Concen: 21.146 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

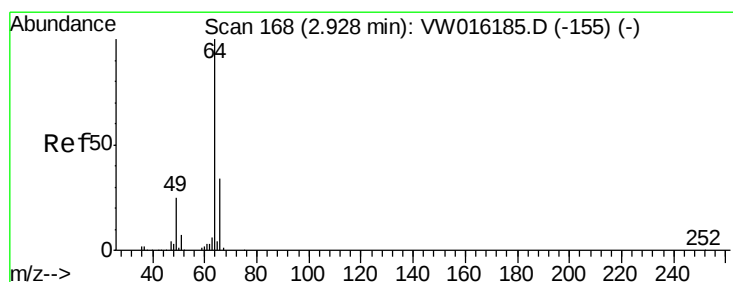
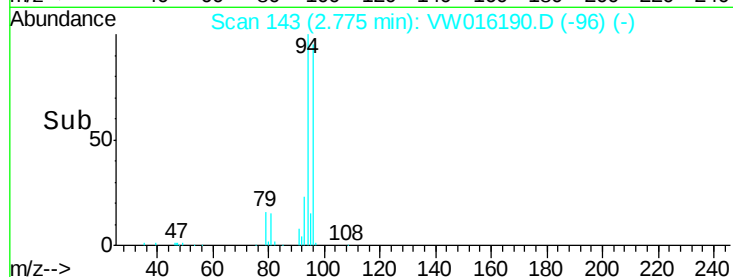
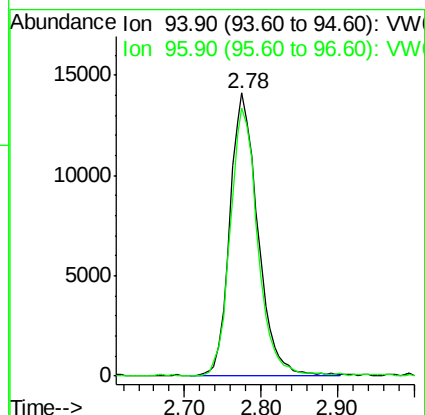
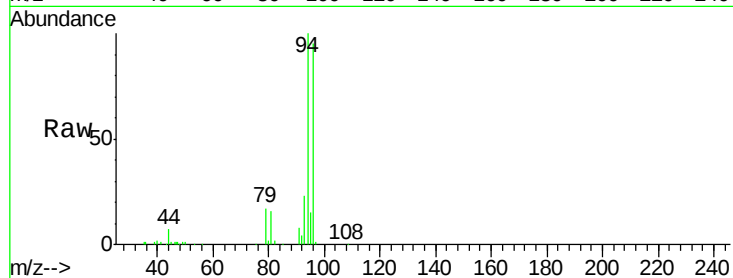
VW0814SBS01

Tgt Ion: 94 Resp: 35875

Ion Ratio Lower Upper

94 100

96 94.9 71.8 107.6



#6

Chloroethane

Concen: 20.098 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016190.D

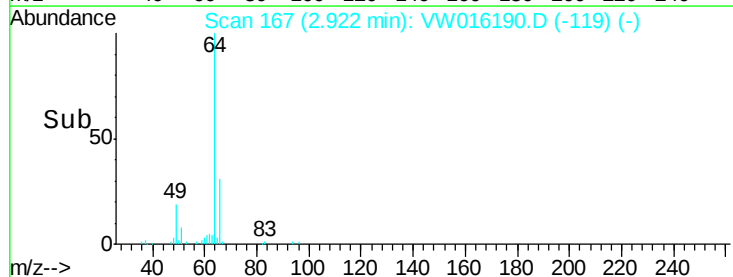
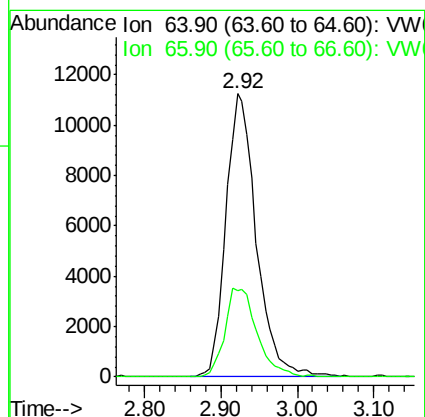
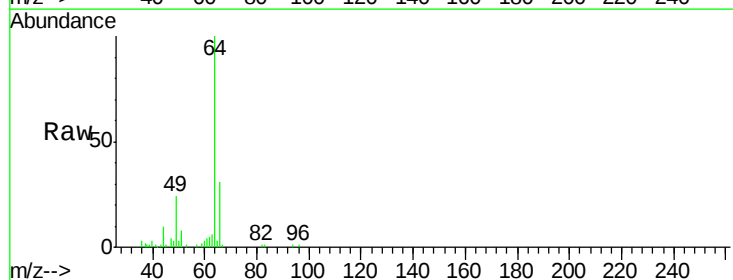
Acq: 14 Aug 2020 14:25

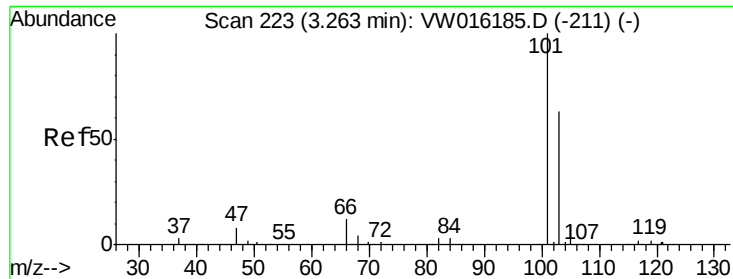
Tgt Ion: 64 Resp: 30970

Ion Ratio Lower Upper

64 100

66 30.5 26.9 40.3



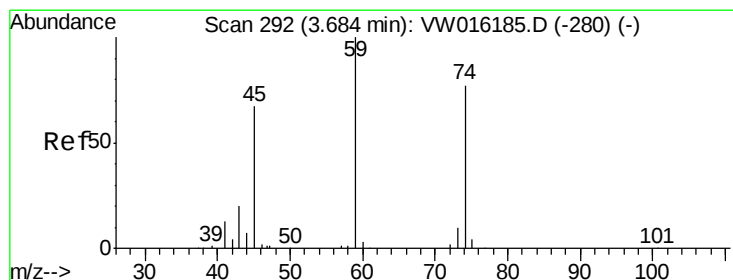
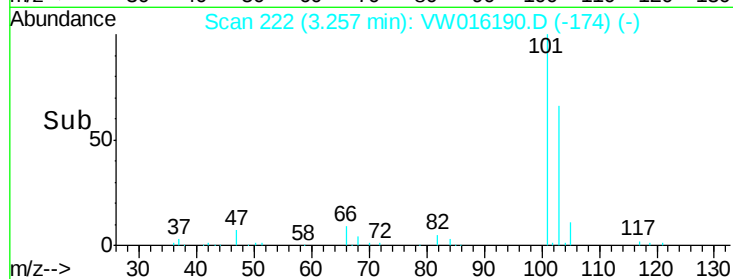
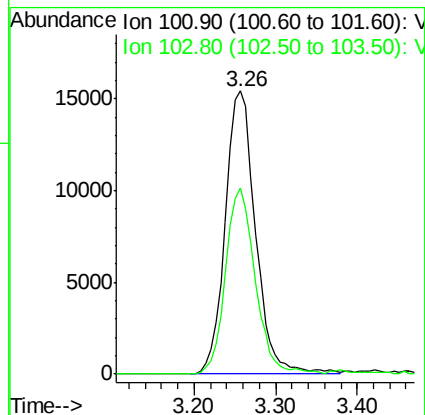
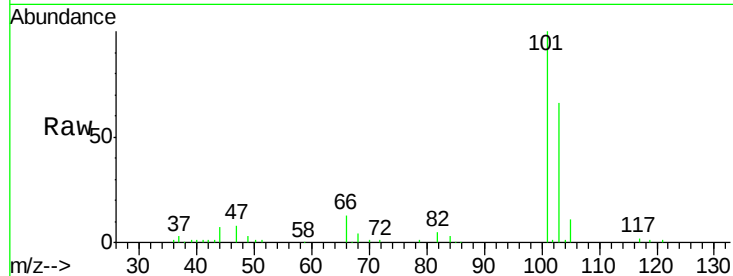


#7

Trichlorofluoromethane
 Concen: 17.950 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Instrument :
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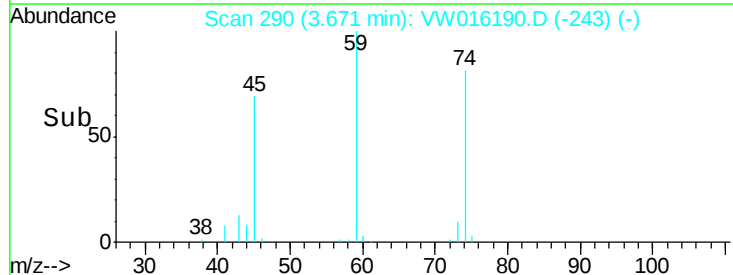
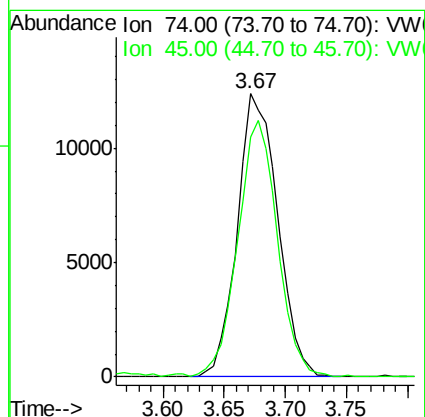
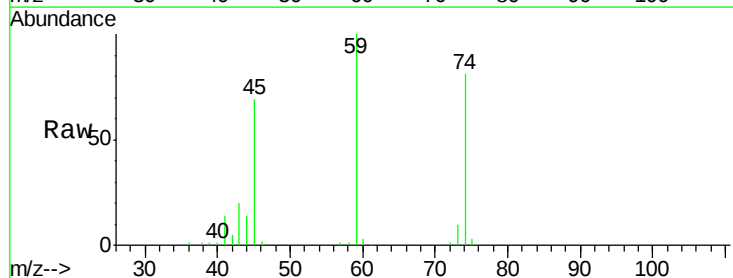
Tgt Ion:101 Resp: 39652
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.4 75.6

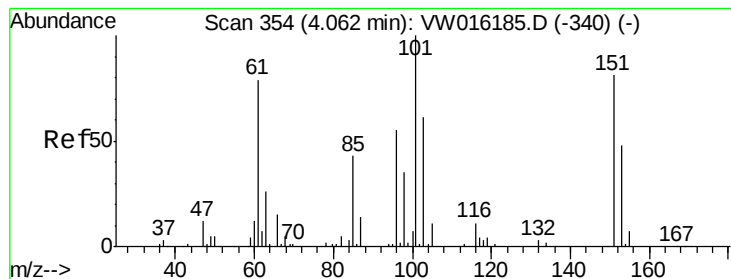


#8

Diethyl Ether
 Concen: 20.450 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 74 Resp: 28348
 Ion Ratio Lower Upper
 74 100
 45 89.0 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.124 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

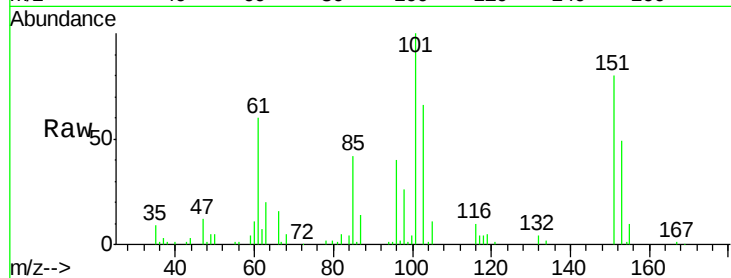
Tgt Ion:101 Resp: 55397

Ion Ratio Lower Upper

101 100

85 43.1 33.3 49.9

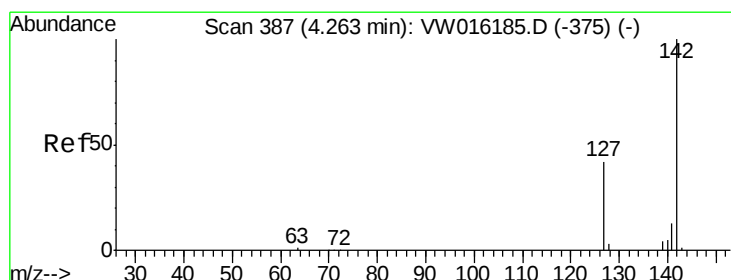
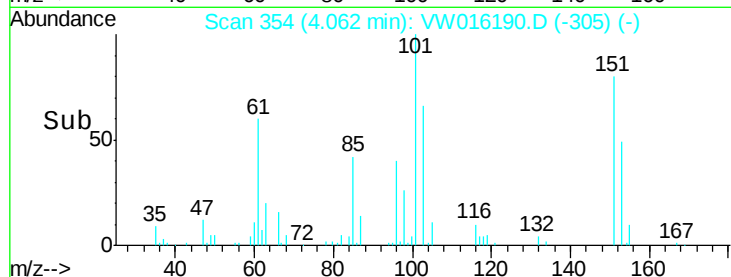
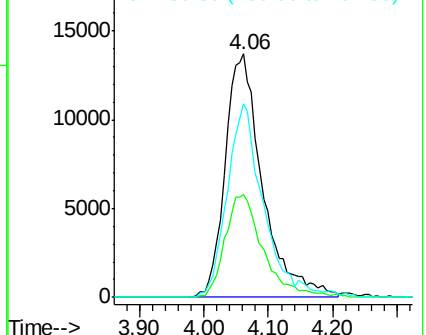
151 76.6 61.1 91.7



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: 19.213 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

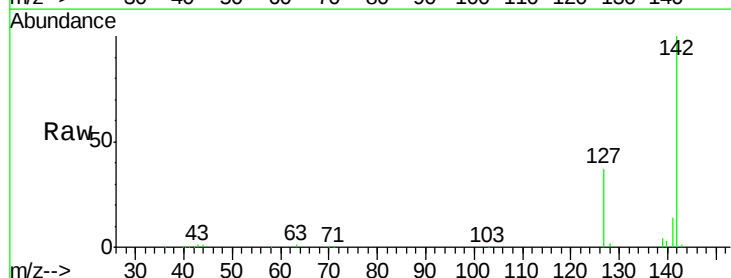
Tgt Ion:142 Resp: 80414

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

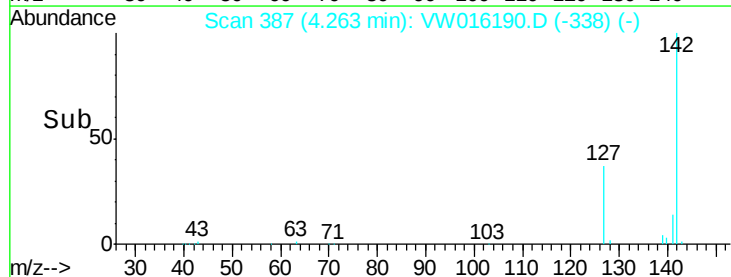
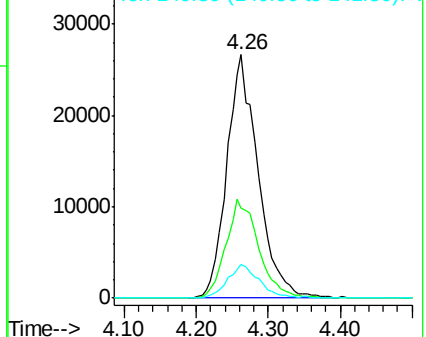
141 14.1 11.4 17.2

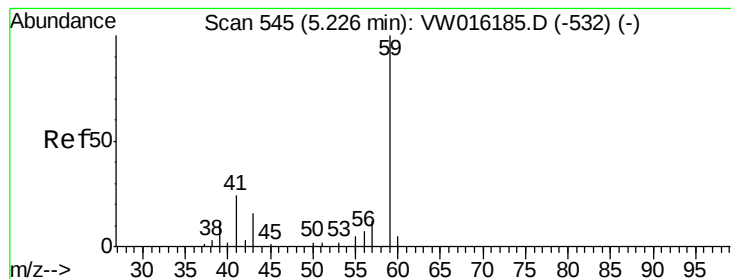


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



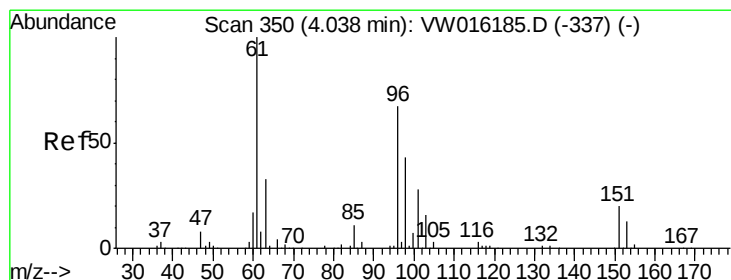
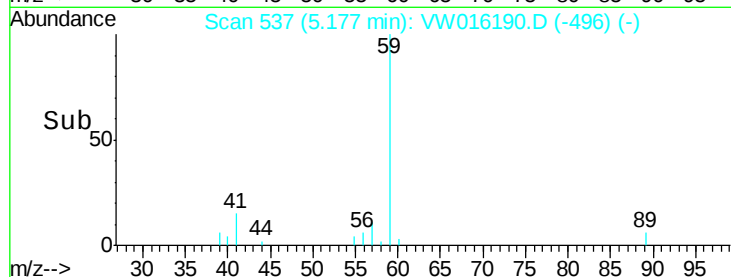
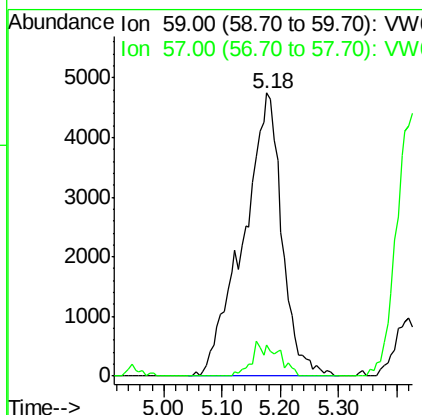
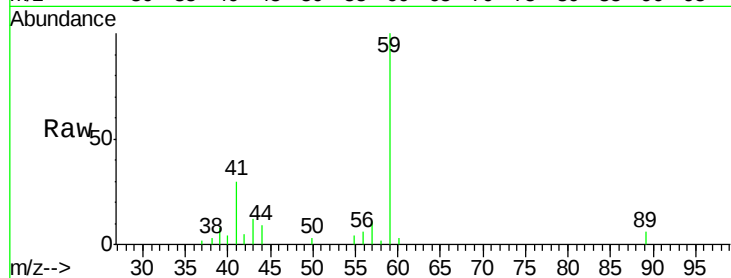


#11

Tert butyl alcohol
 Concen: 156.973 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.05 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Instrument :
 MSVOA_W
 ClientSampled :
 VW0814SBS01

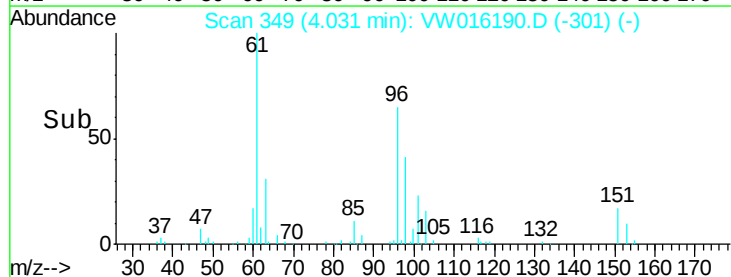
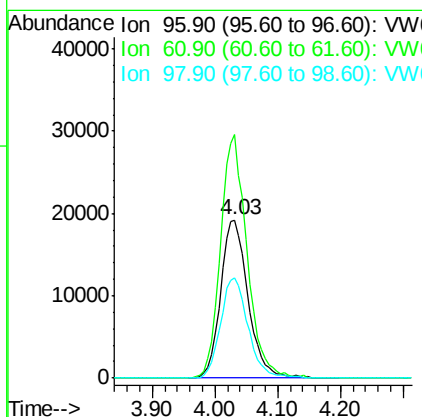
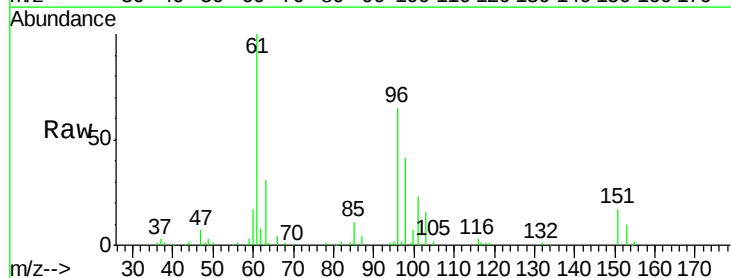
Tgt Ion: 59 Resp: 21936
 Ion Ratio Lower Upper
 59 100
 57 3.7 9.0 13.6#

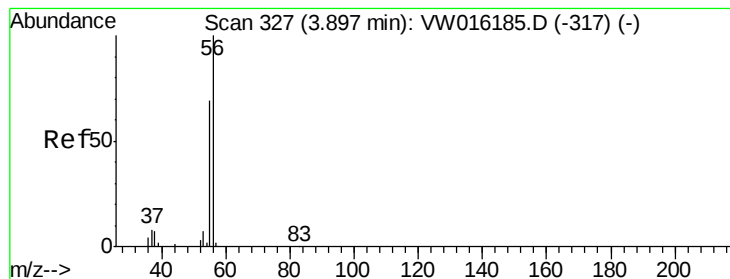


#12

1,1-Dichloroethene
 Concen: 19.716 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 96 Resp: 58119
 Ion Ratio Lower Upper
 96 100
 61 153.7 119.5 179.3
 98 62.9 51.3 76.9





#13

Acrolein

Concen: 107.405 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

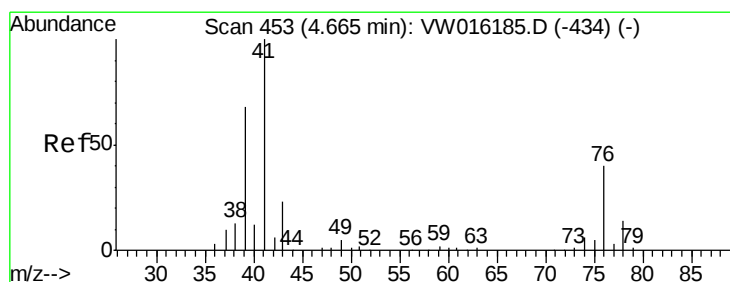
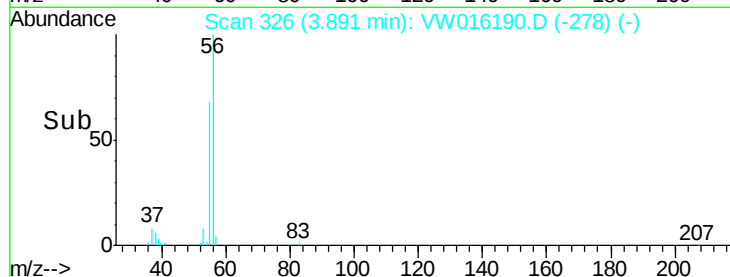
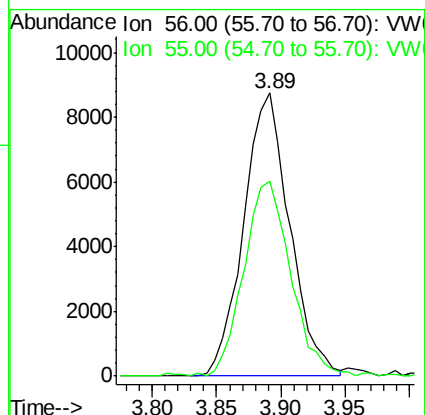
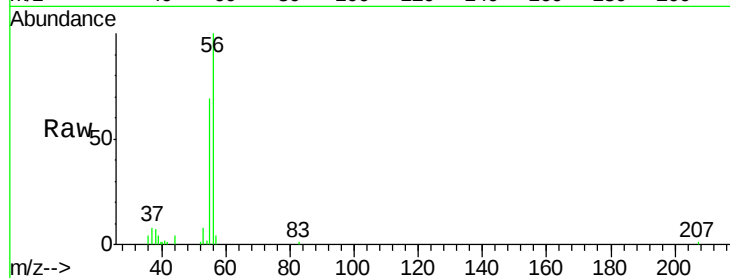
VW0814SBS01

Tgt Ion: 56 Resp: 21681

Ion Ratio Lower Upper

56 100

55 70.0 55.0 82.6



#14

Allyl chloride

Concen: 20.060 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

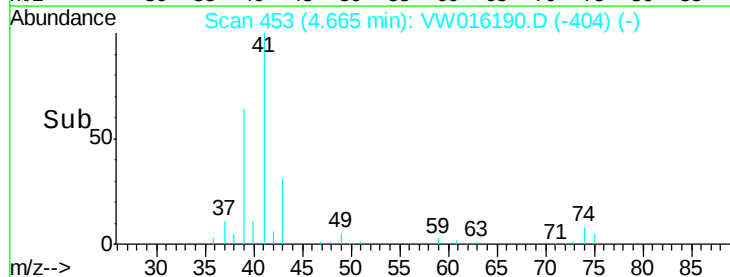
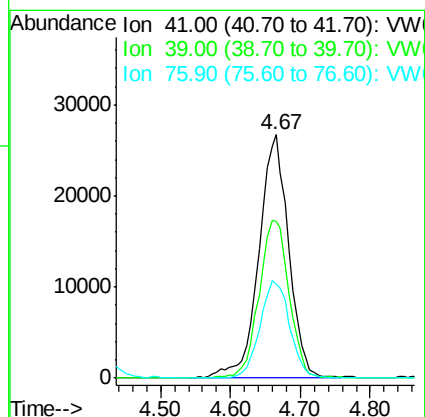
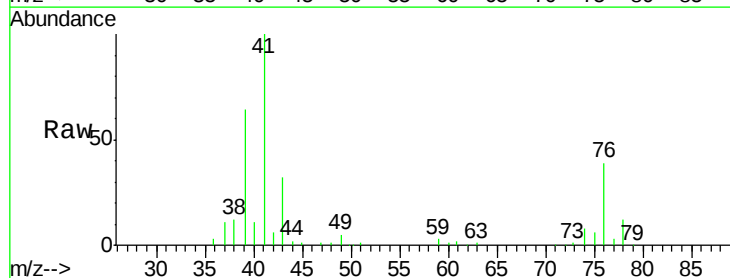
Tgt Ion: 41 Resp: 79228

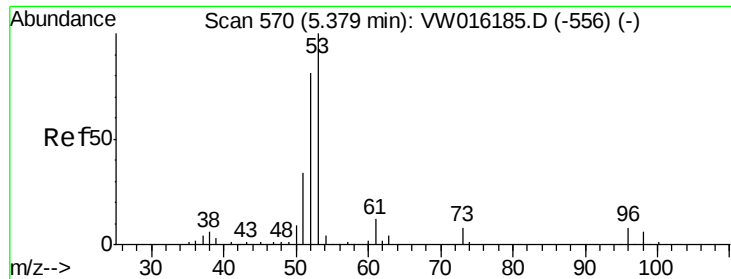
Ion Ratio Lower Upper

41 100

39 65.3 53.4 80.0

76 39.7 32.0 48.0





#15

Acrylonitrile

Concen: 108.740 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

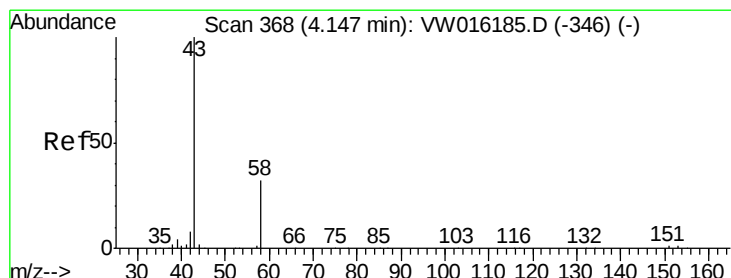
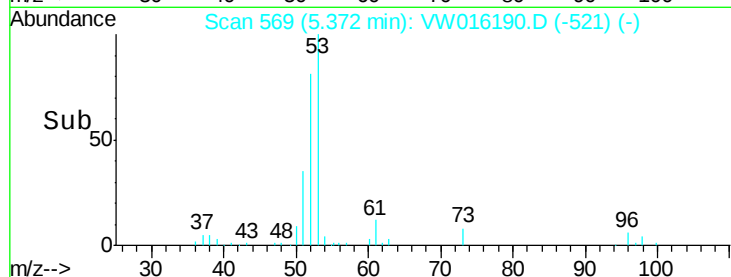
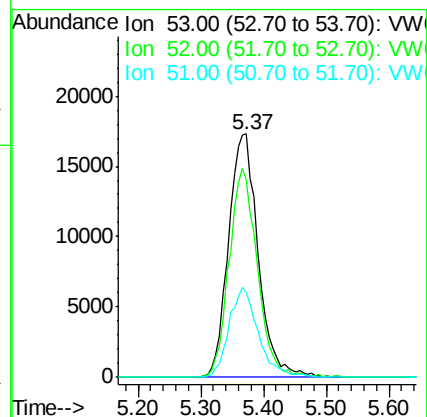
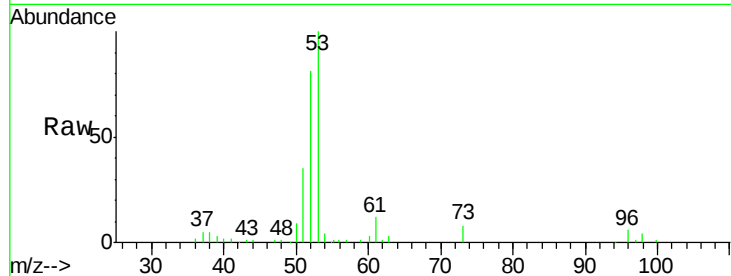
Tgt Ion: 53 Resp: 56798

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

51 36.4 29.0 43.4



#16

Acetone

Concen: 104.912 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016190.D

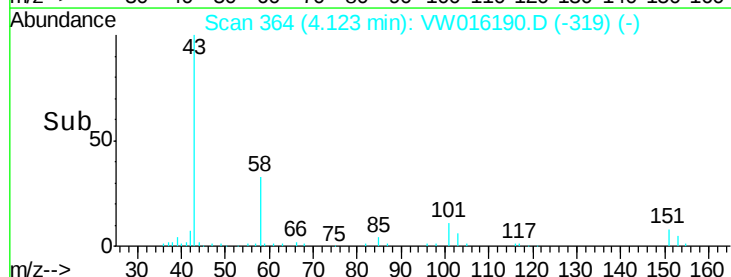
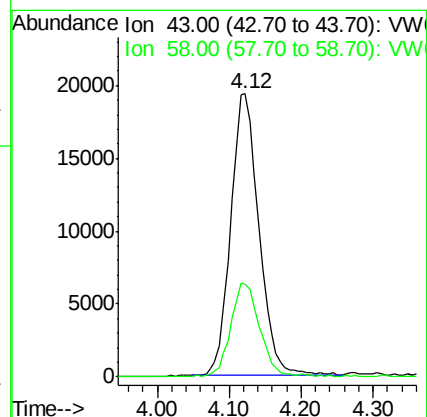
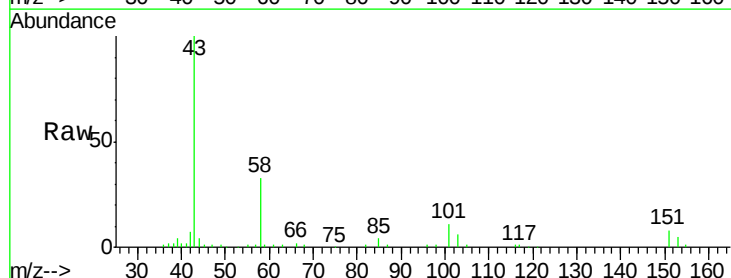
Acq: 14 Aug 2020 14:25

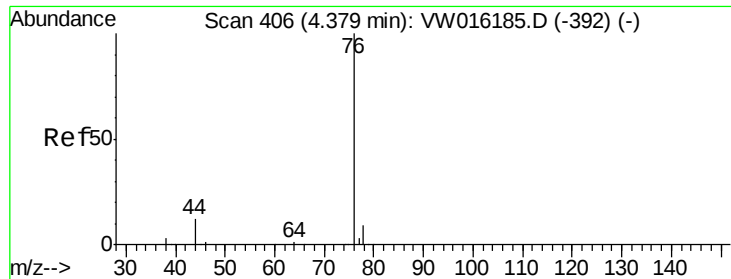
Tgt Ion: 43 Resp: 52771

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.6

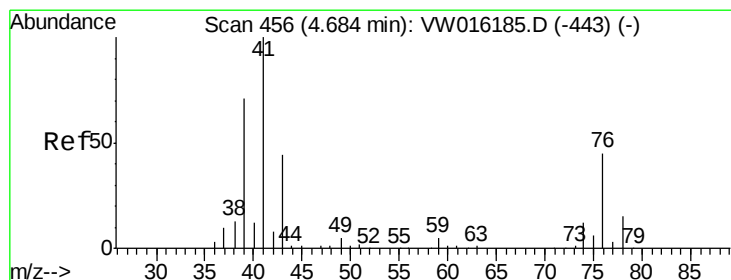
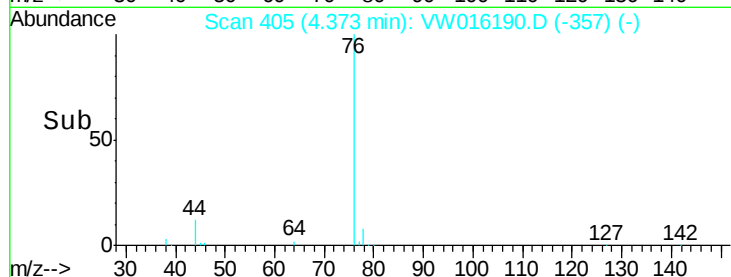
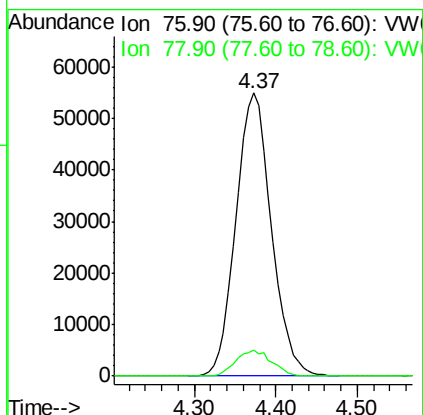
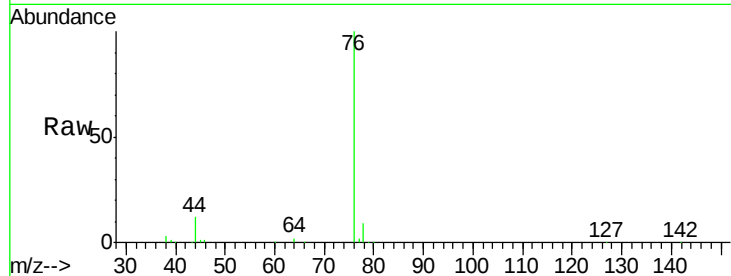




#17
Carbon Disulfide
Concen: 19.127 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

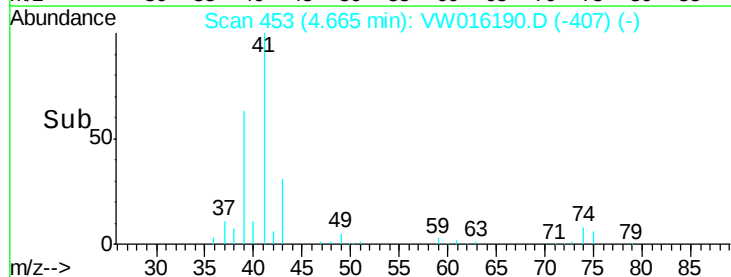
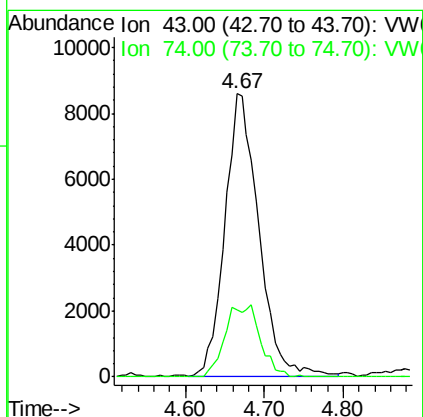
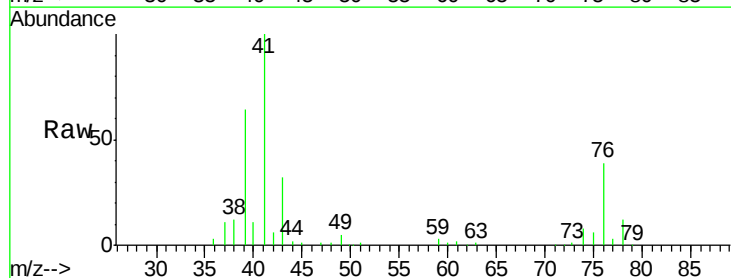
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

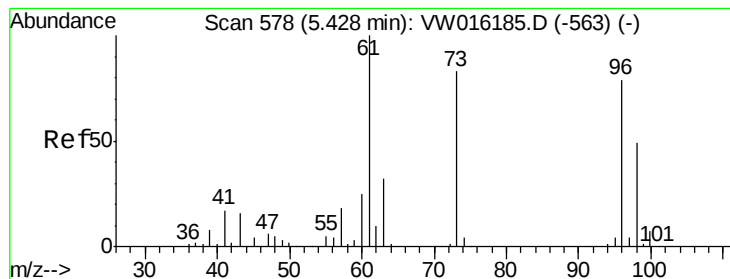
Tgt Ion: 76 Resp: 165547
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 21.980 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.02 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 43 Resp: 25746
Ion Ratio Lower Upper
43 100
74 26.0 20.6 31.0



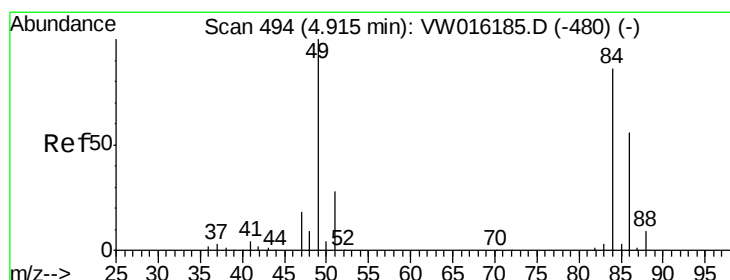
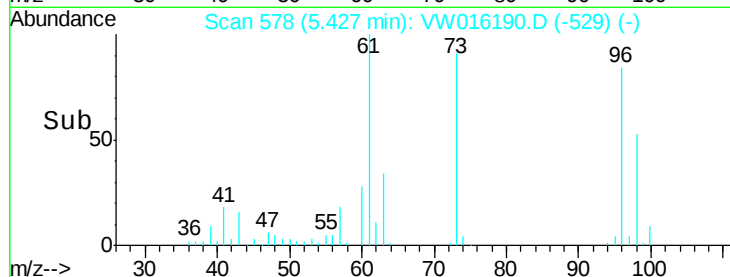
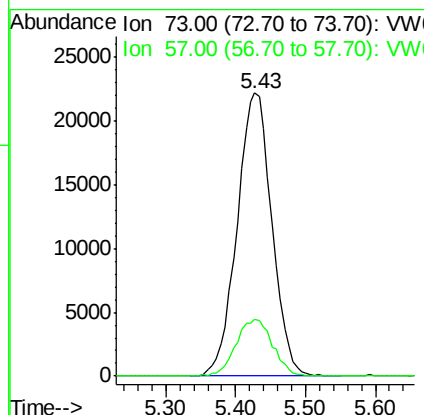
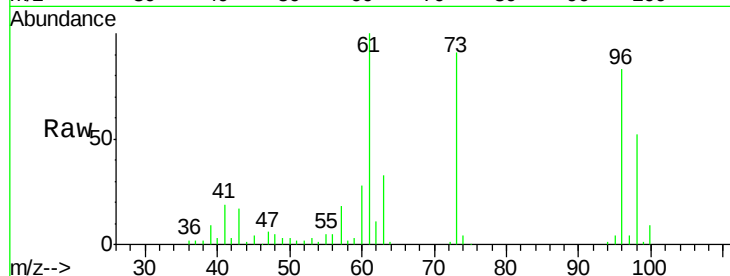


#19

Methyl tert-butyl Ether
 Concen: 21.077 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

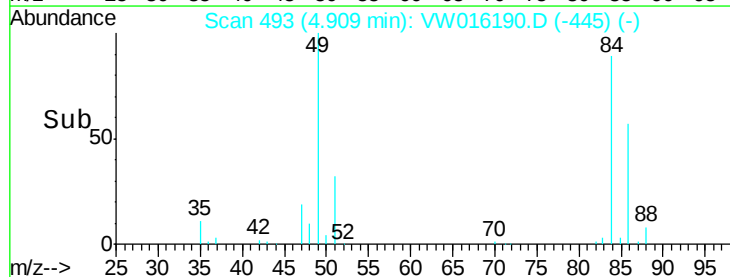
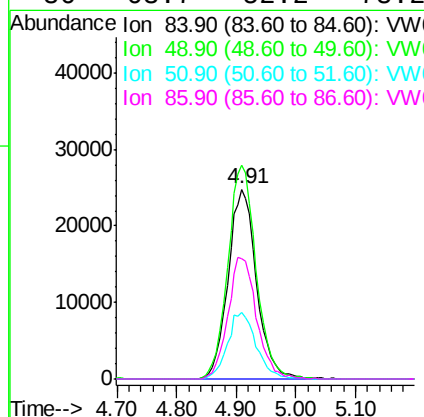
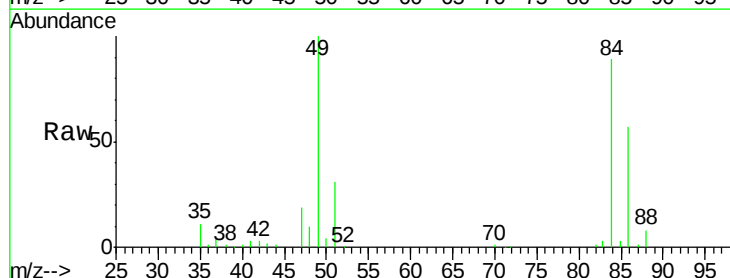
Tgt Ion: 73 Resp: 76503
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.2 25.8

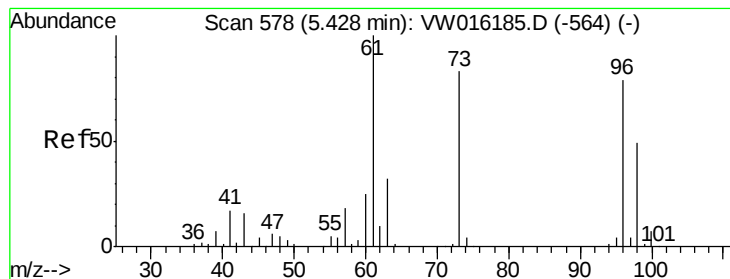


#20

Methylene Chloride
 Concen: 23.717 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 84 Resp: 82222
 Ion Ratio Lower Upper
 84 100
 49 112.4 93.4 140.2
 51 35.3 26.6 40.0
 86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.277 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

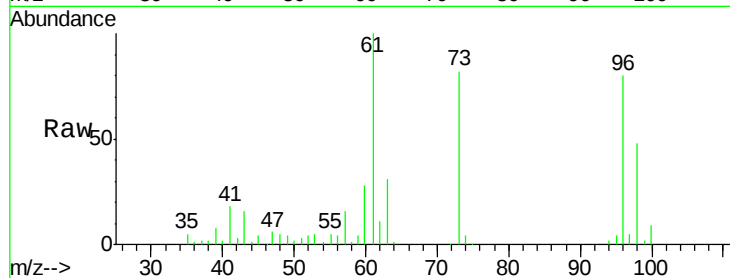
Tgt Ion: 96 Resp: 61880

Ion Ratio Lower Upper

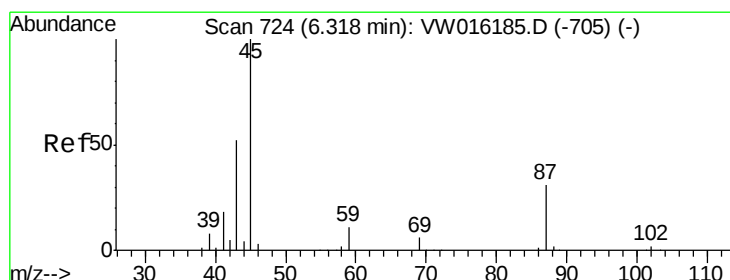
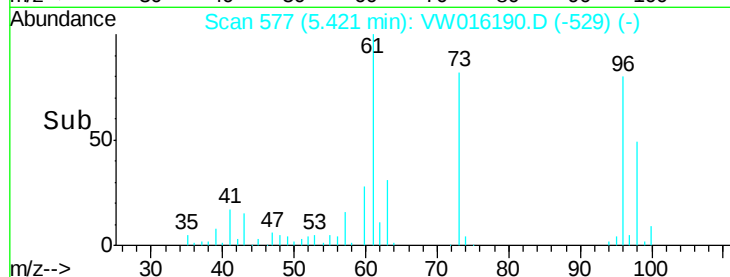
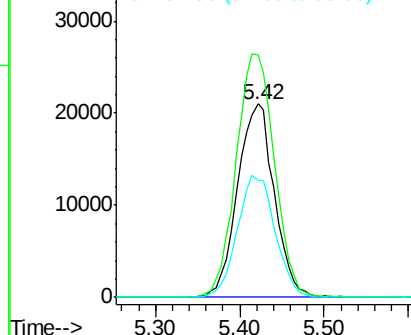
96 100

61 125.2 101.4 152.0

98 60.7 49.4 74.0



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



#22

Diisopropyl ether

Concen: 20.674 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Tgt Ion: 45 Resp: 153934

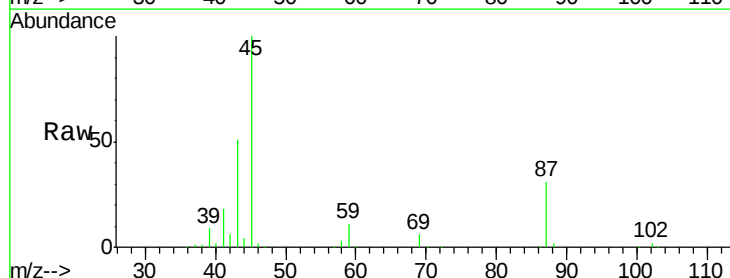
Ion Ratio Lower Upper

45 100

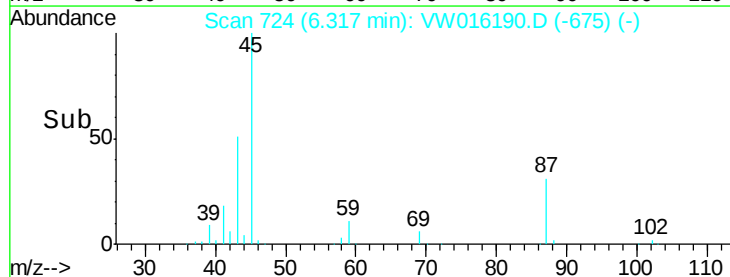
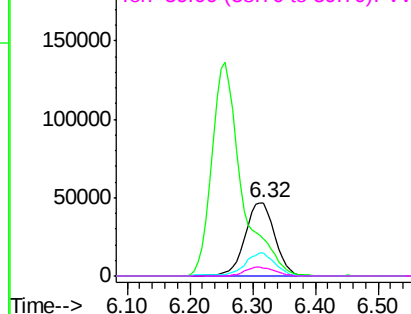
43 50.9 41.7 62.5

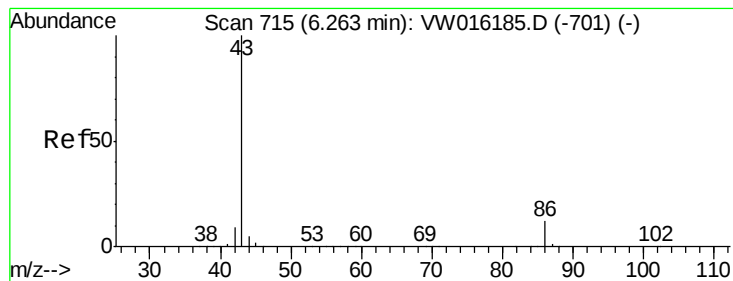
87 30.6 25.0 37.6

59 11.0 9.2 13.8



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: 105.233 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

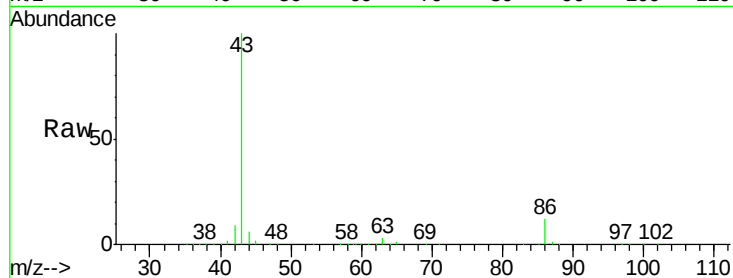
VW0814SBS01

Tgt Ion: 43 Resp: 448654

Ion Ratio Lower Upper

43 100

86 12.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

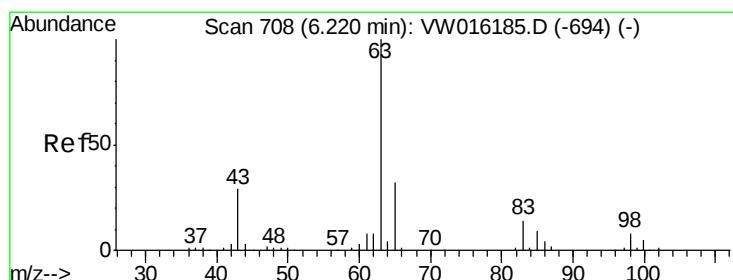
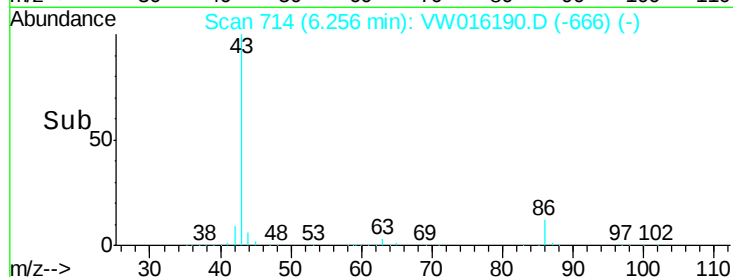
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.498 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

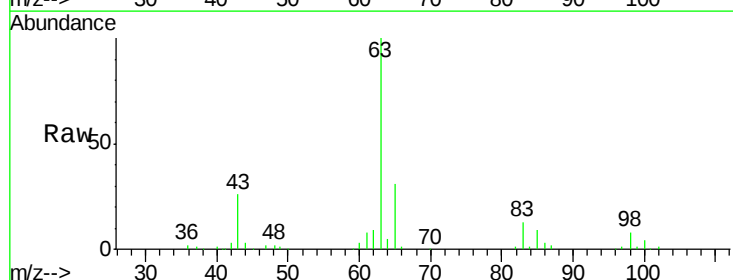
Tgt Ion: 63 Resp: 101325

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 4.3 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

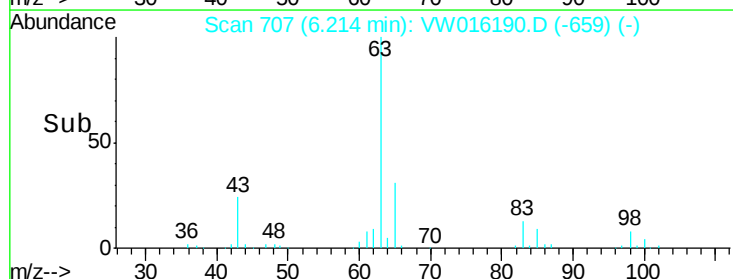
30000

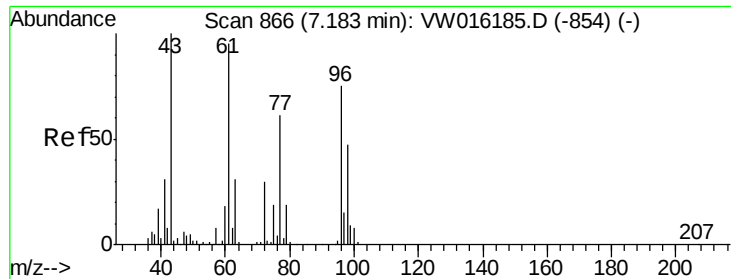
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.841 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampled :

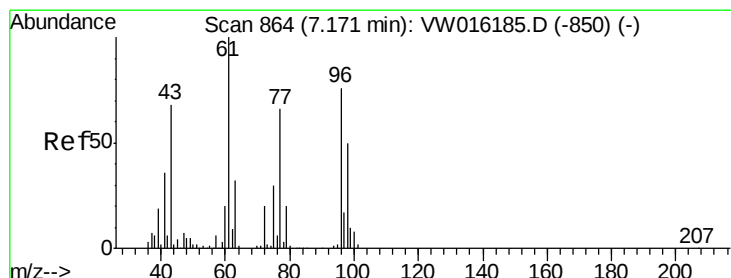
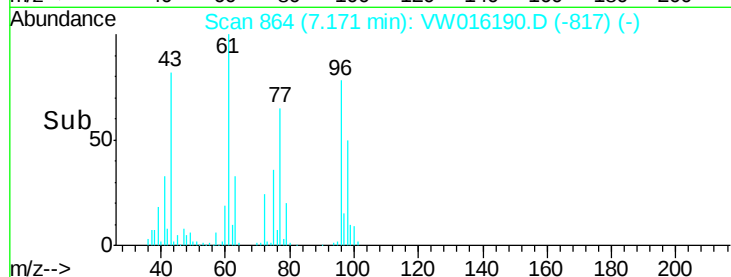
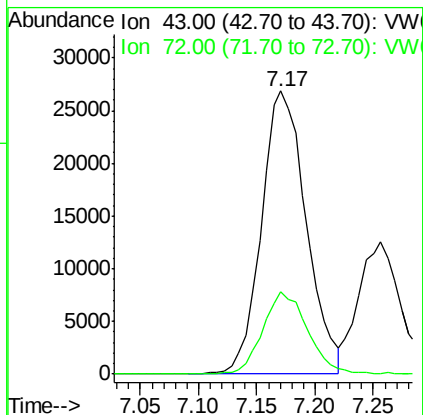
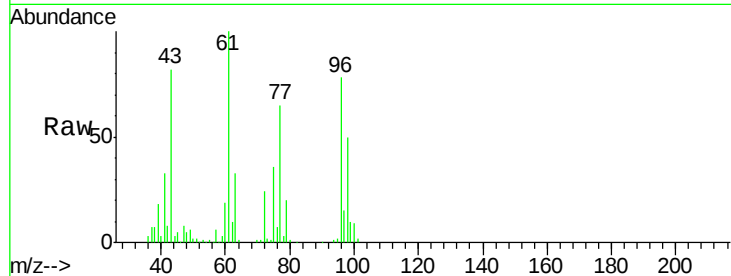
VW0814SBS01

Tgt Ion: 43 Resp: 71349

Ion Ratio Lower Upper

43 100

72 29.1 24.2 36.2



#26

2,2-Dichloropropane

Concen: 19.578 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016190.D

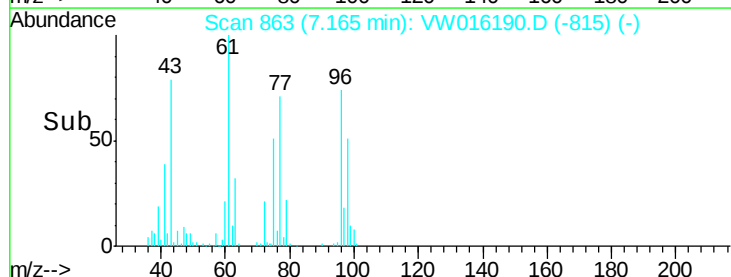
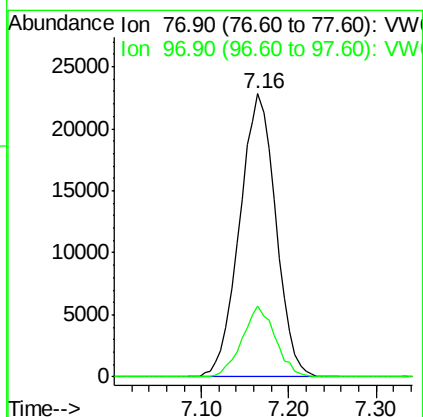
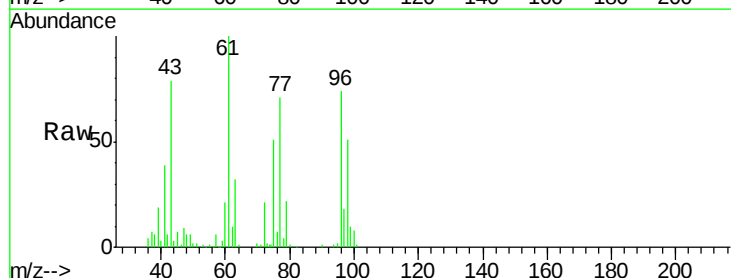
Acq: 14 Aug 2020 14:25

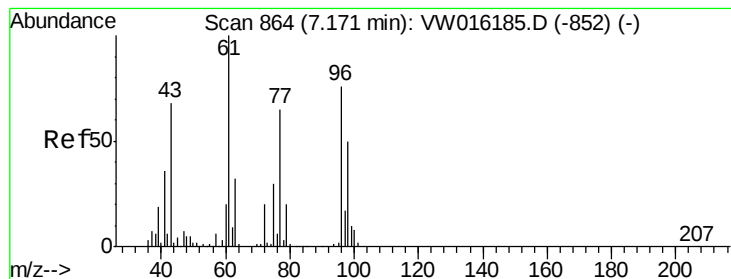
Tgt Ion: 77 Resp: 65721

Ion Ratio Lower Upper

77 100

97 22.9 12.1 36.3



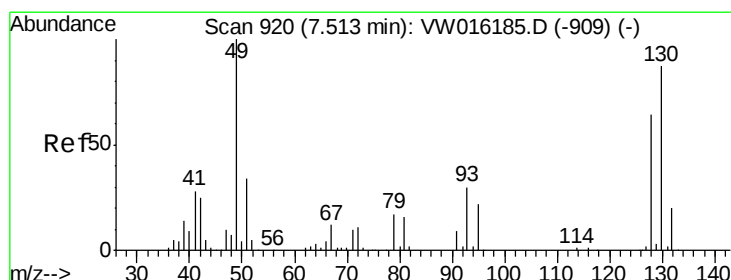
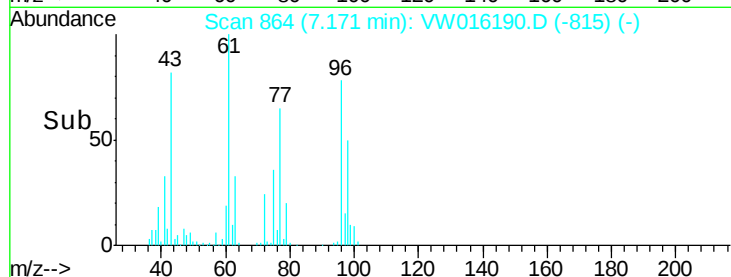
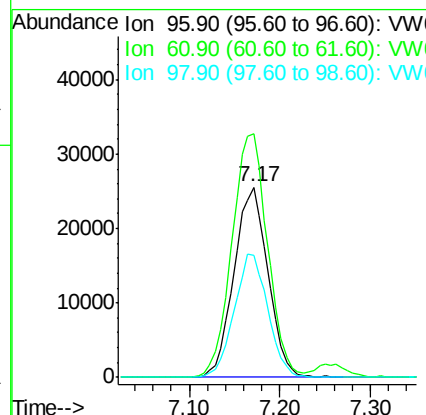
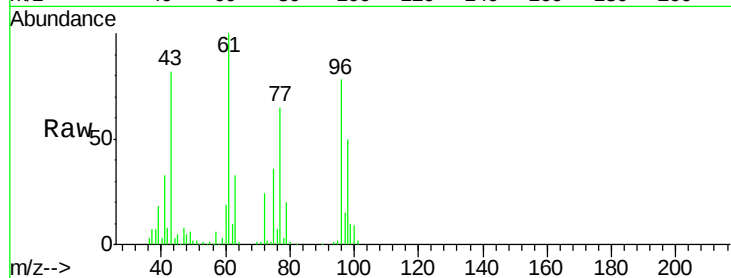


#27

cis-1,2-Dichloroethene
 Concen: 20.021 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

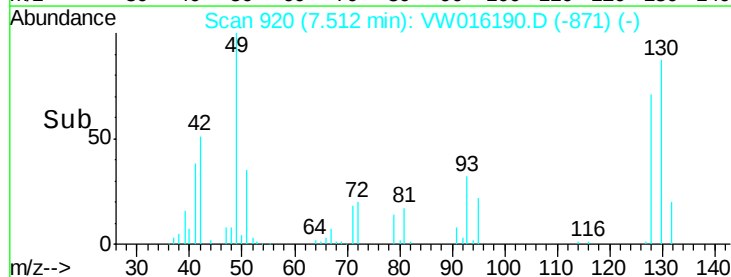
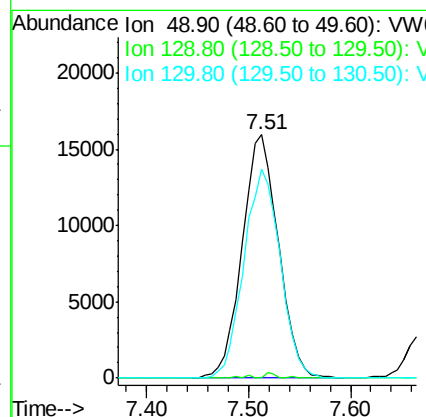
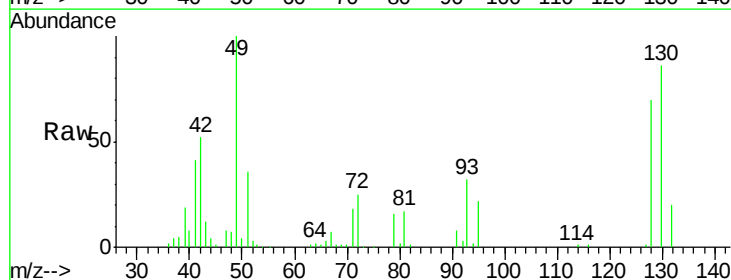
Tgt Ion: 96 Resp: 66336
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 267.0
 98 64.2 0.0 129.6

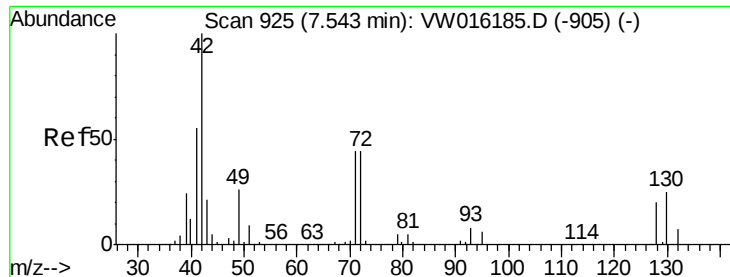


#28

Bromochloromethane
 Concen: 19.924 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 49 Resp: 39282
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.2
 130 86.5 69.9 104.9

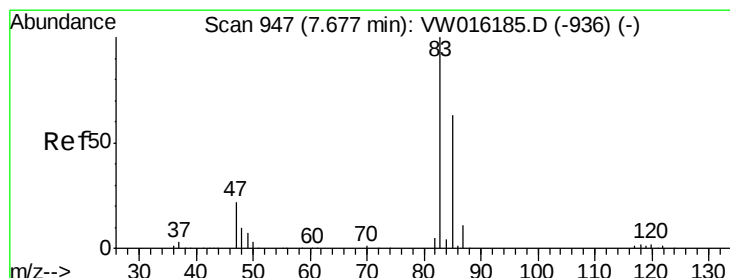
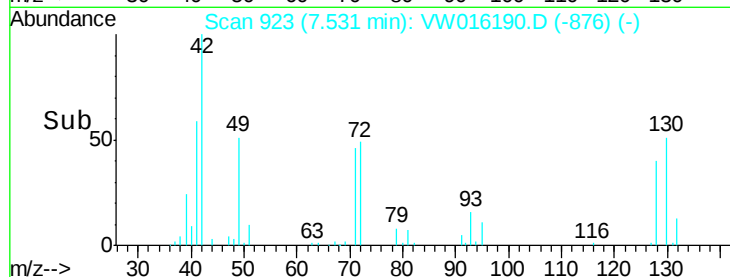
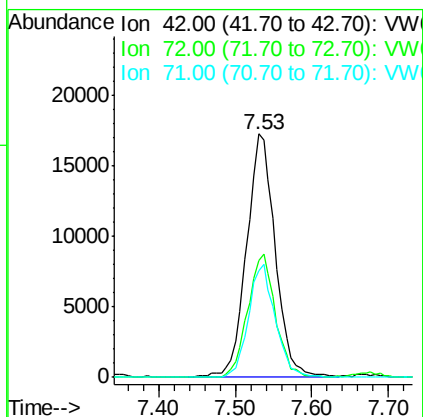
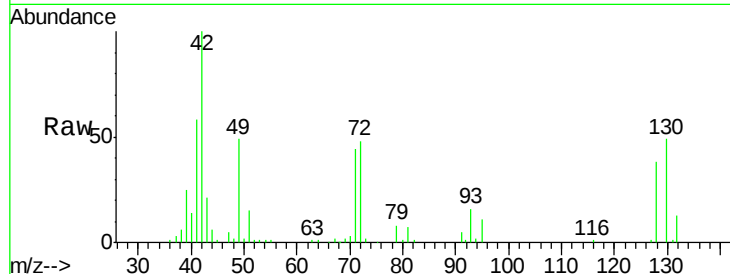




#29
Tetrahydrofuran
Concen: 111.618 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

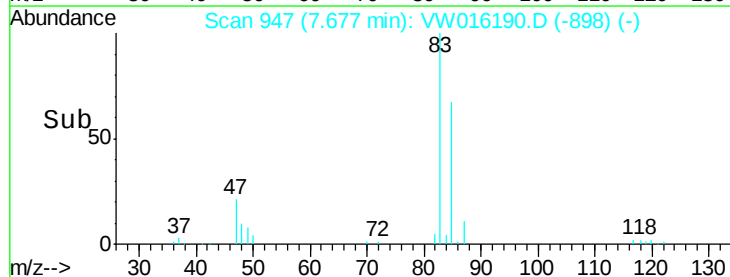
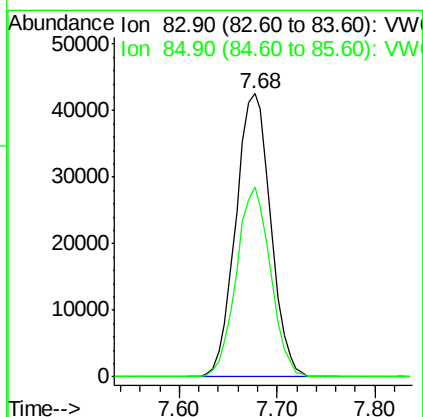
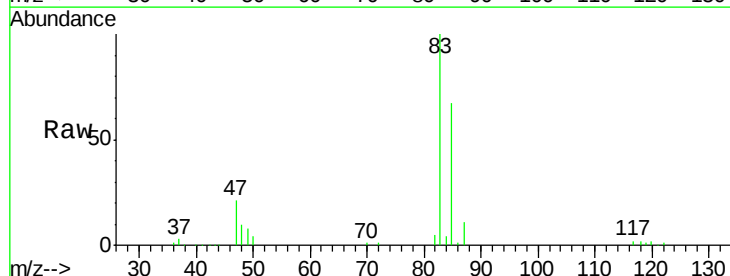
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

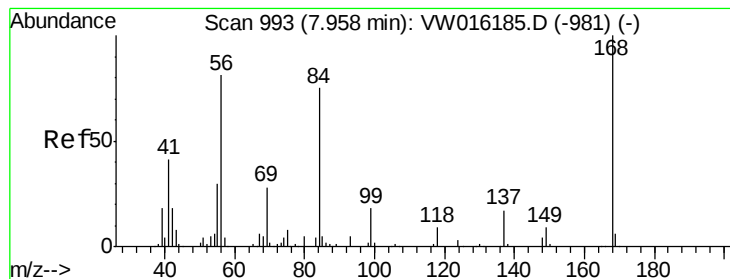
Tgt Ion: 42 Resp: 44978
Ion Ratio Lower Upper
42 100
72 49.0 37.4 56.2
71 43.6 35.6 53.4



#30
Chloroform
Concen: 19.511 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 83 Resp: 105347
Ion Ratio Lower Upper
83 100
85 67.1 50.0 75.0





#31

Cyclohexane

Concen: 19.700 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampled :

VW0814SBS01

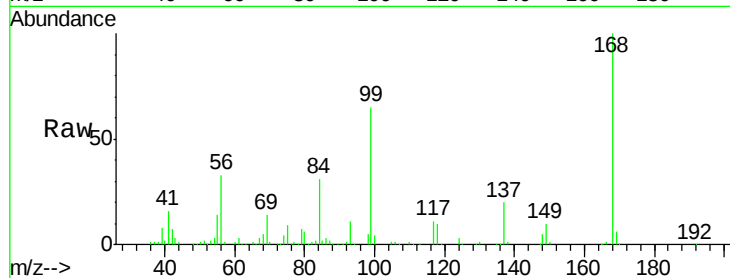
Tgt Ion: 56 Resp: 94401

Ion Ratio Lower Upper

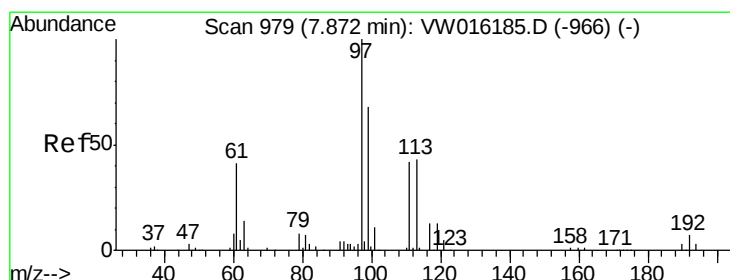
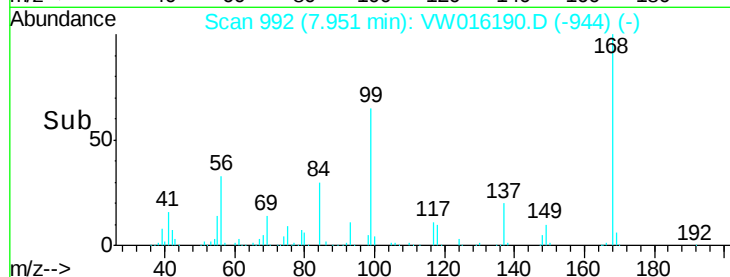
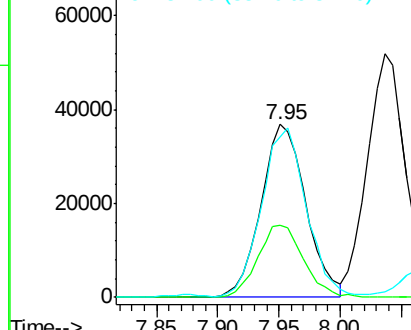
56 100

69 41.8 27.3 40.9#

84 91.4 73.5 110.3



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: 19.755 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

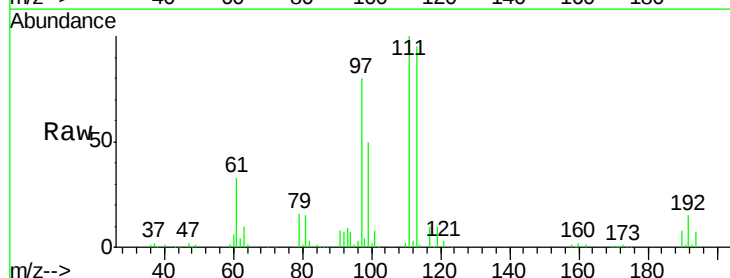
Tgt Ion: 97 Resp: 89619

Ion Ratio Lower Upper

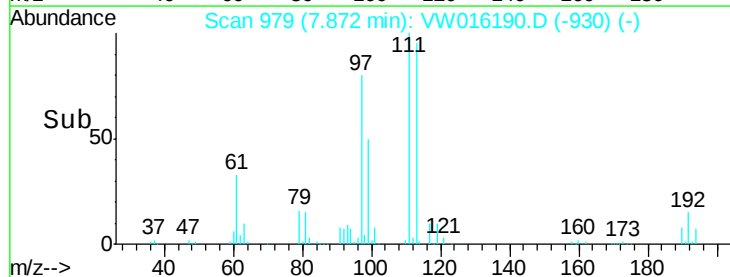
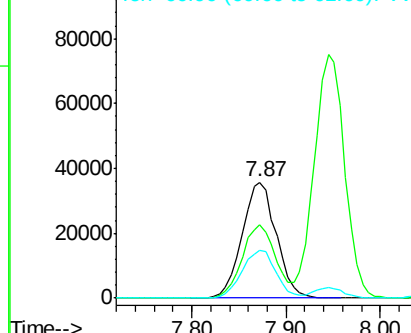
97 100

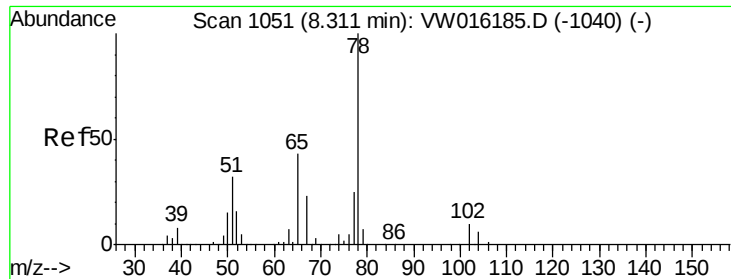
99 63.3 51.3 76.9

61 41.7 33.2 49.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.501 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

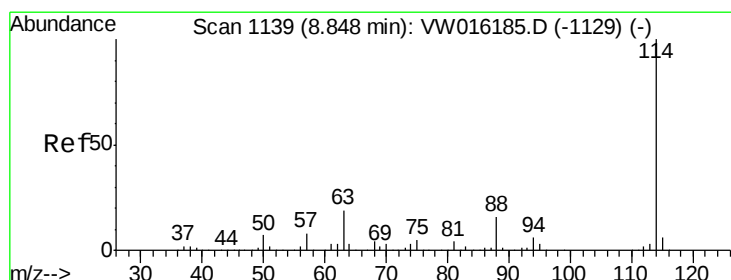
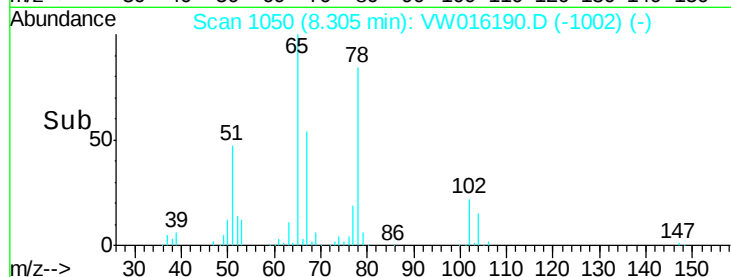
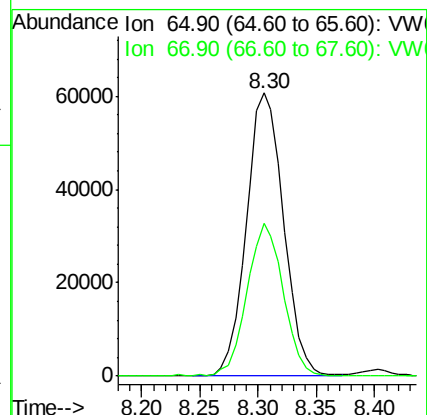
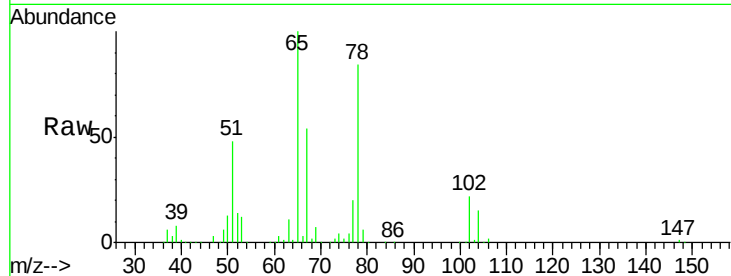
VW0814SBS01

Tgt Ion: 65 Resp: 135228

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

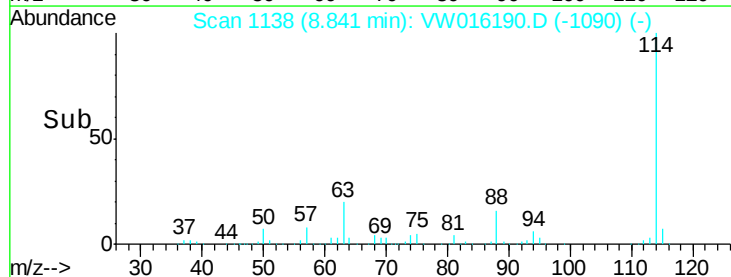
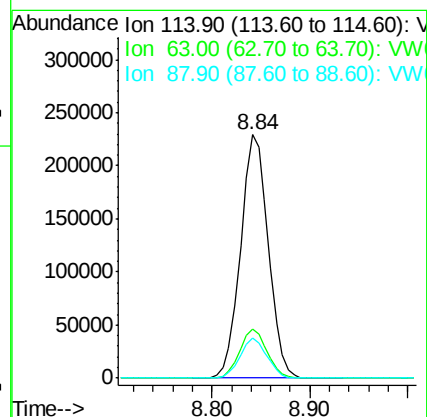
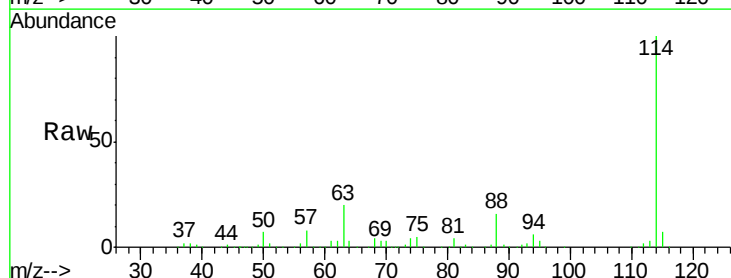
Tgt Ion: 114 Resp: 448089

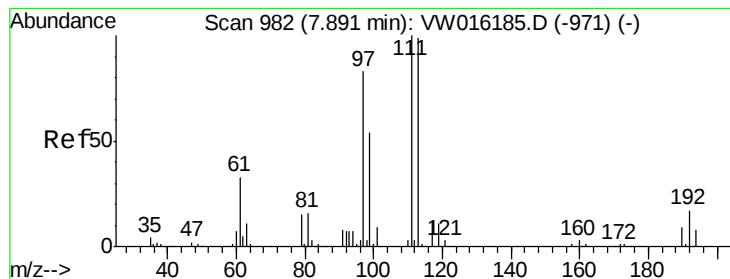
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.916 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

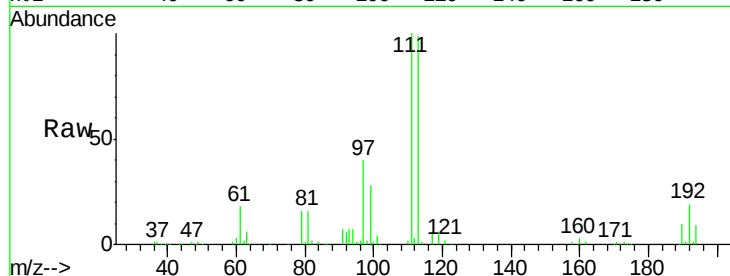
Tgt Ion:113 Resp: 138005

Ion Ratio Lower Upper

113 100

111 103.9 83.5 125.3

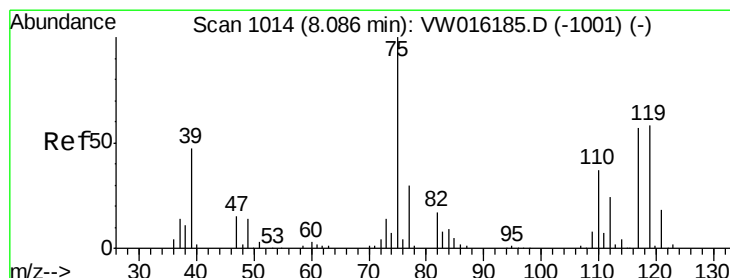
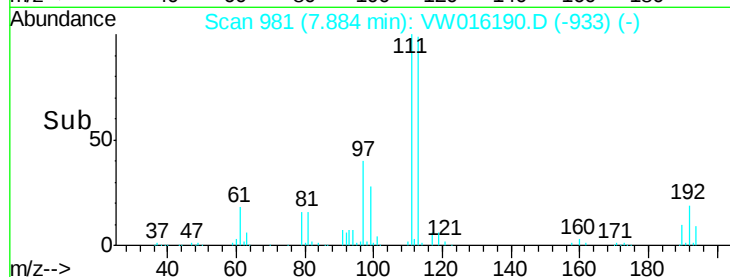
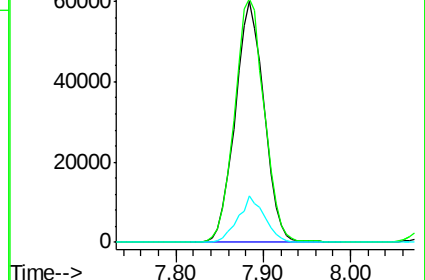
192 17.8 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.641 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

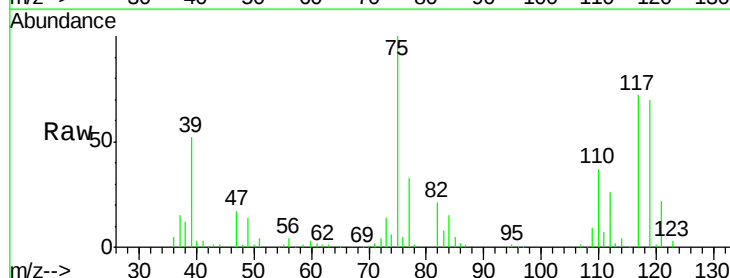
Tgt Ion: 75 Resp: 86703

Ion Ratio Lower Upper

75 100

110 35.8 18.1 54.3

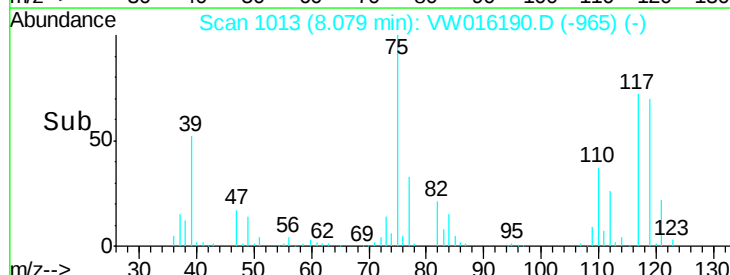
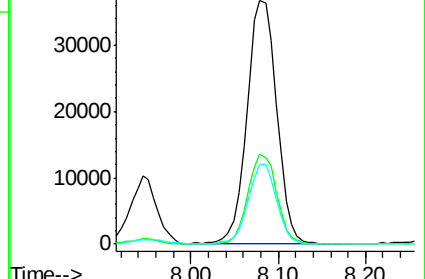
77 31.3 24.7 37.1

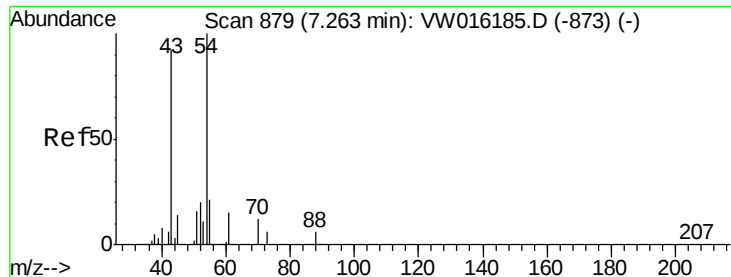


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

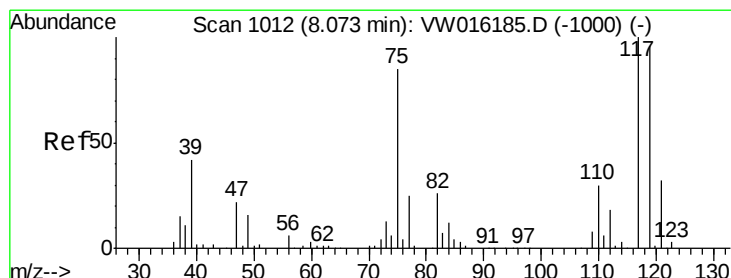
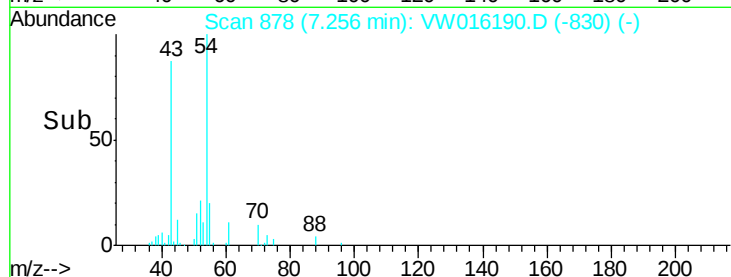
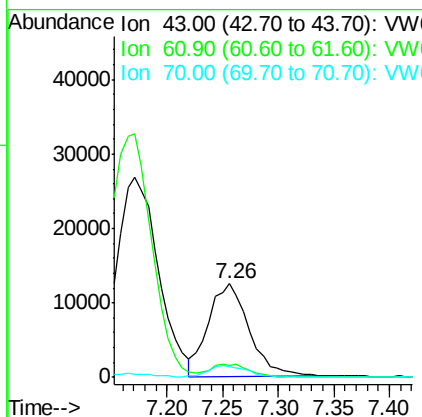
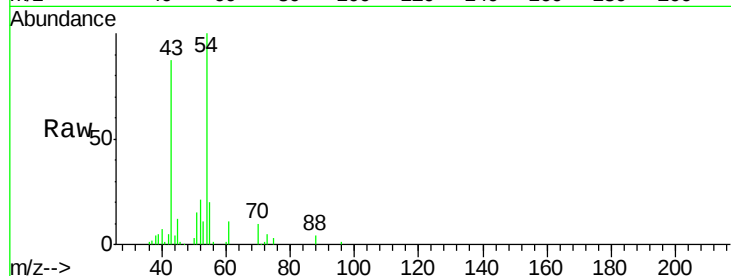




#37
 Ethyl Acetate
 Concen: 20.918 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

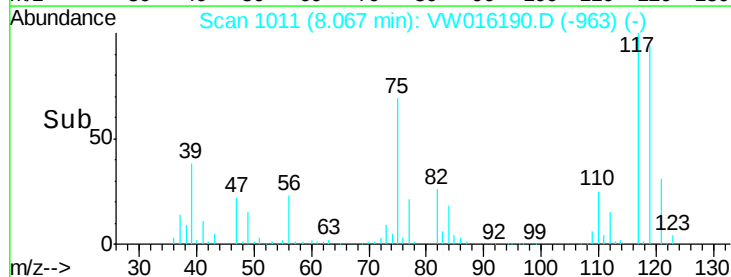
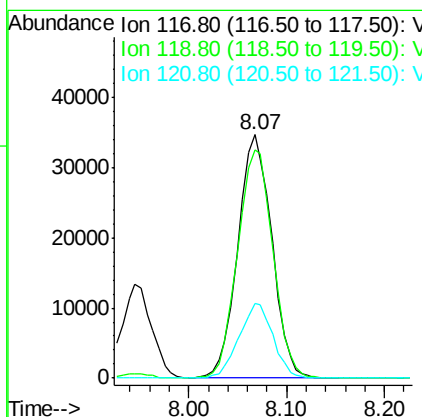
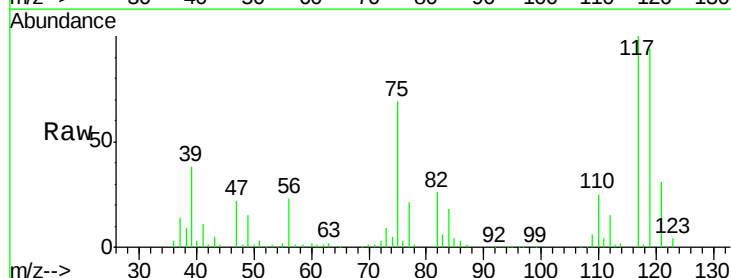
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

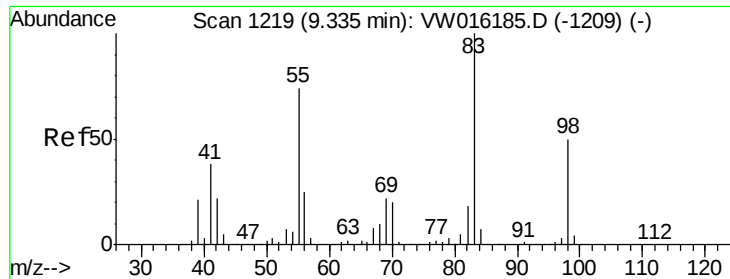
Tgt Ion: 43 Resp: 31659
 Ion Ratio Lower Upper
 43 100
 61 14.6 12.6 18.8
 70 12.2 9.8 14.8



#38
 Carbon Tetrachloride
 Concen: 19.019 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 117 Resp: 83781
 Ion Ratio Lower Upper
 117 100
 119 93.8 76.6 115.0
 121 30.5 25.4 38.0

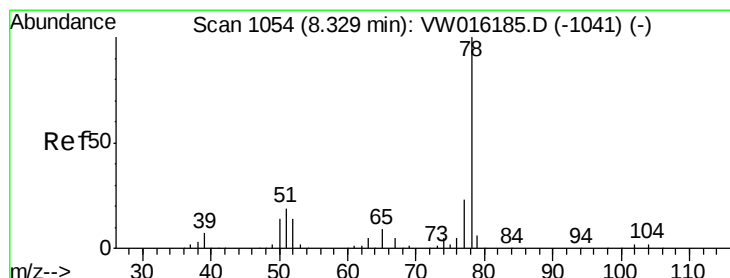
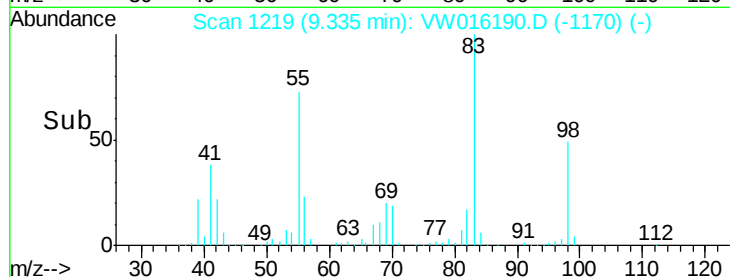
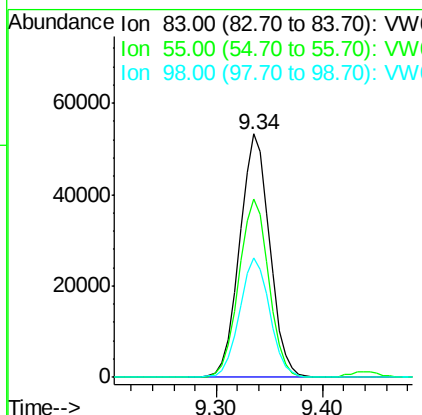
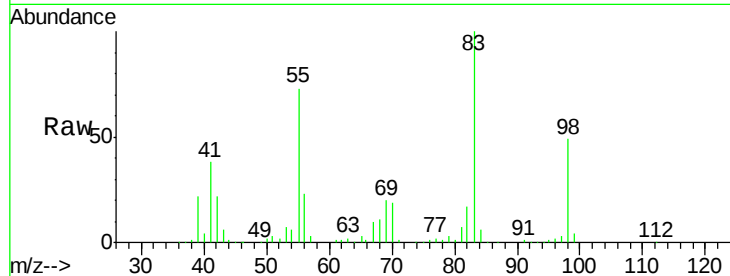




#39
Methylcyclohexane
Concen: 19.898 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

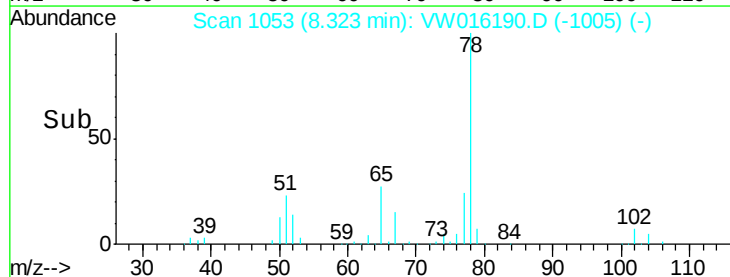
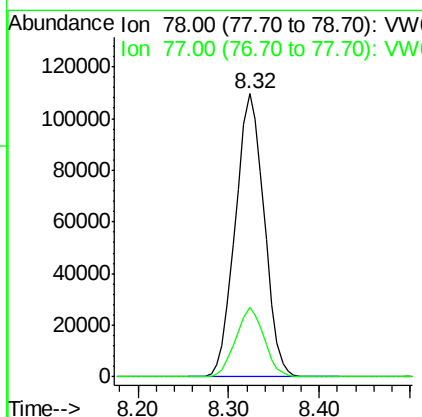
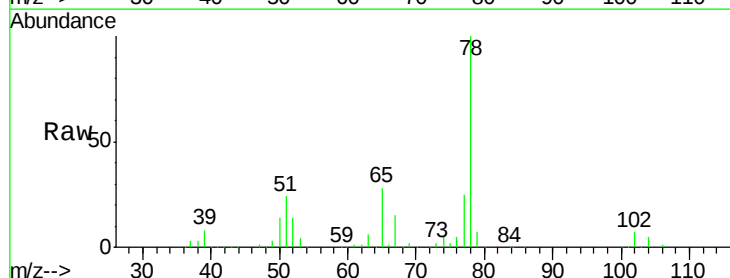
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

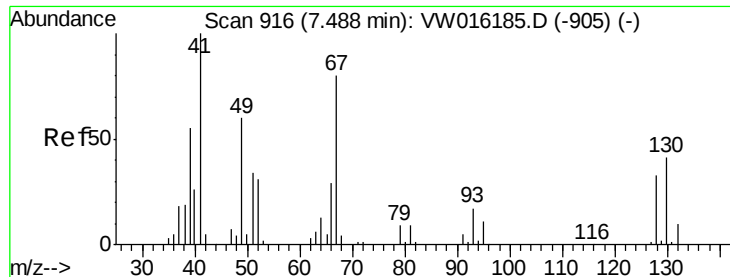
Tgt Ion: 83 Resp: 105804
Ion Ratio Lower Upper
83 100
55 73.1 59.2 88.8
98 49.3 40.2 60.2



#40
Benzene
Concen: 19.444 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 78 Resp: 241460
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0





#41

Methacrylonitrile

Concen: 21.061 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

Tgt Ion: 41 Resp: 18192

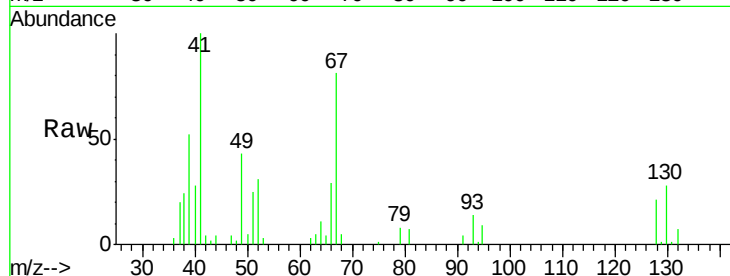
Ion Ratio Lower Upper

41 100

39 52.5 43.4 65.2

67 77.6 61.5 92.3

52 29.9 24.3 36.5

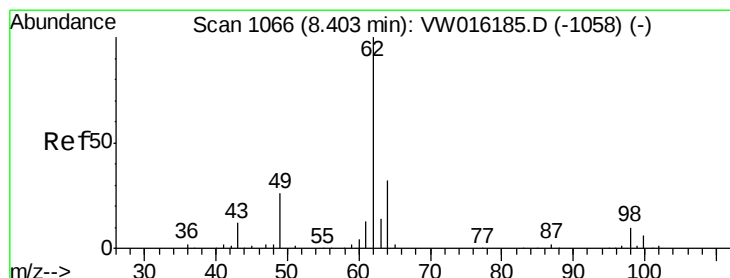
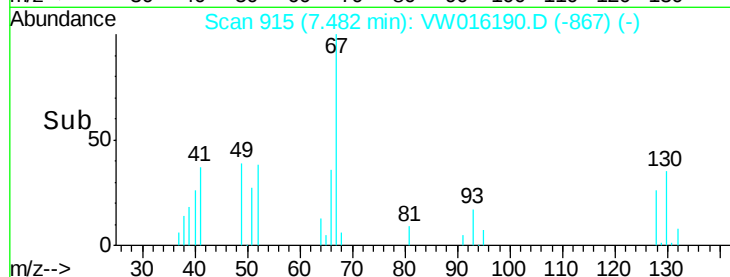
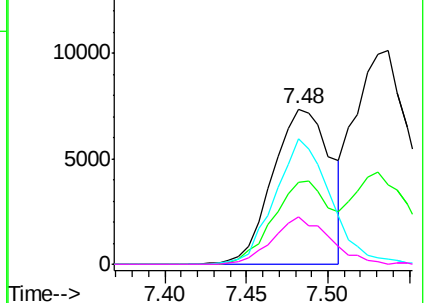


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.766 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016190.D

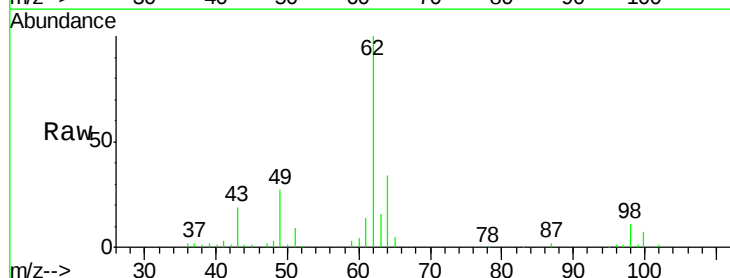
Acq: 14 Aug 2020 14:25

Tgt Ion: 62 Resp: 64828

Ion Ratio Lower Upper

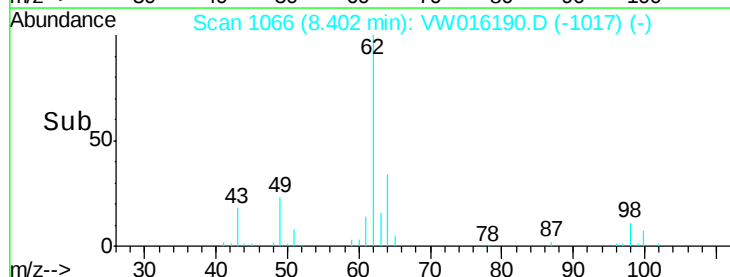
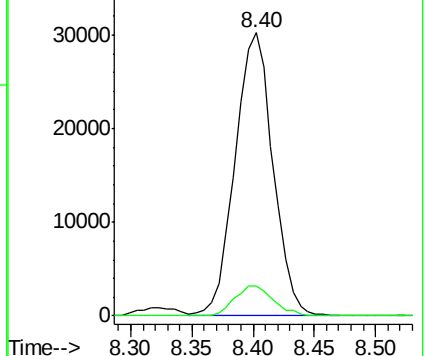
62 100

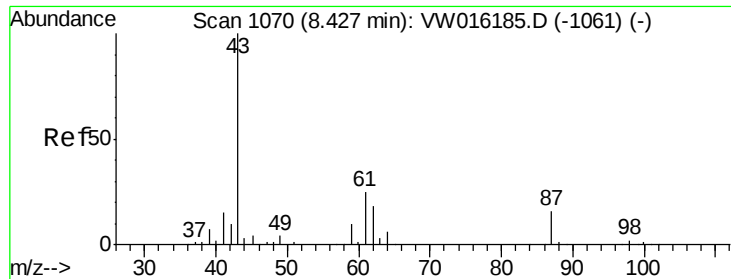
98 10.9 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

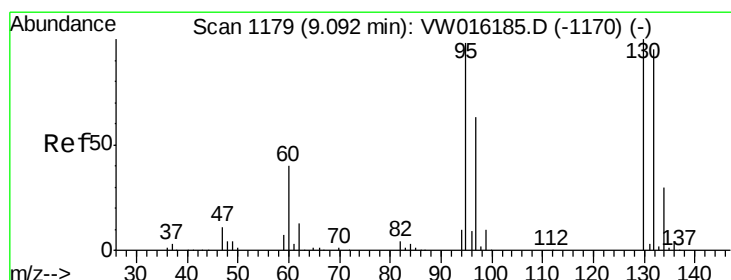
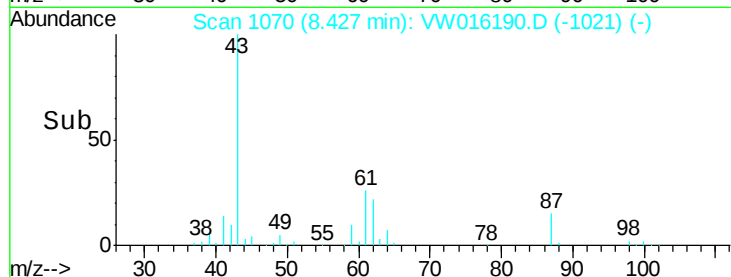
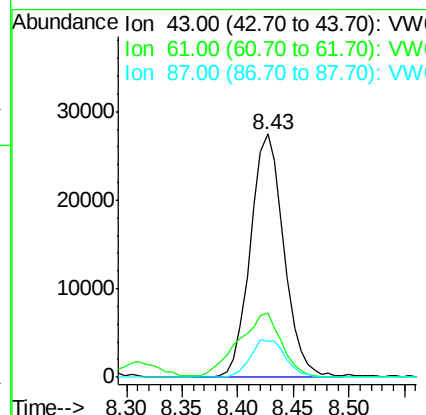
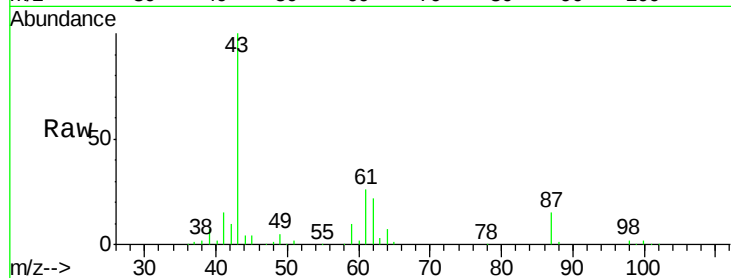




#43
Isopropyl Acetate
Concen: 20.273 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

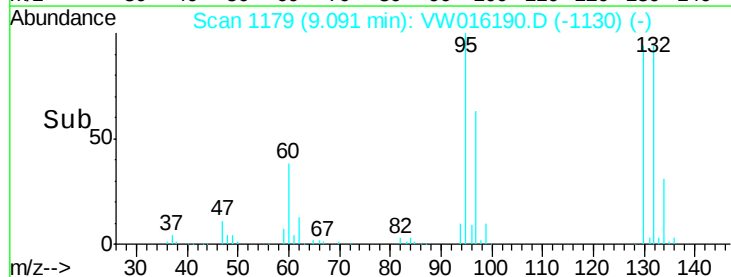
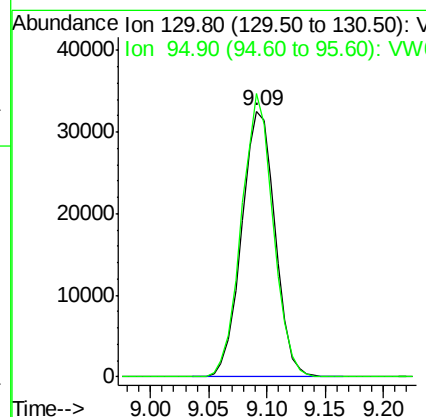
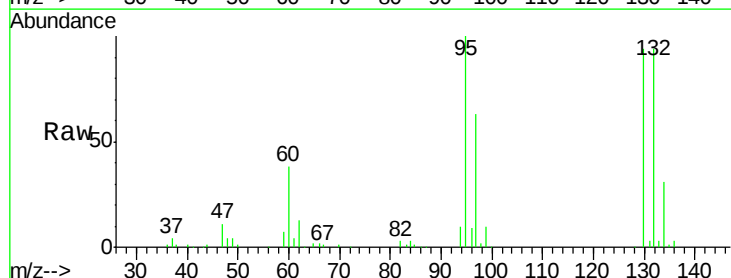
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

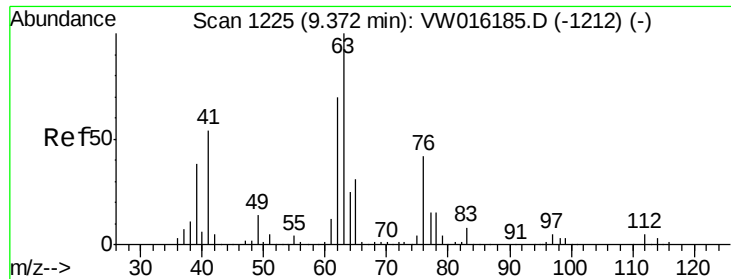
Tgt Ion: 43 Resp: 57724
Ion Ratio Lower Upper
43 100
61 34.0 26.9 40.3
87 16.1 12.0 18.0



#44
Trichloroethene
Concen: 18.502 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 130 Resp: 65073
Ion Ratio Lower Upper
130 100
95 106.5 0.0 196.4

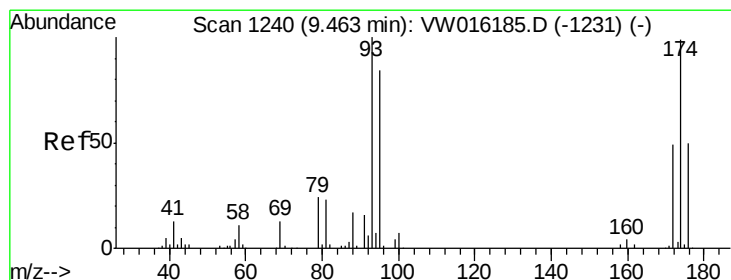
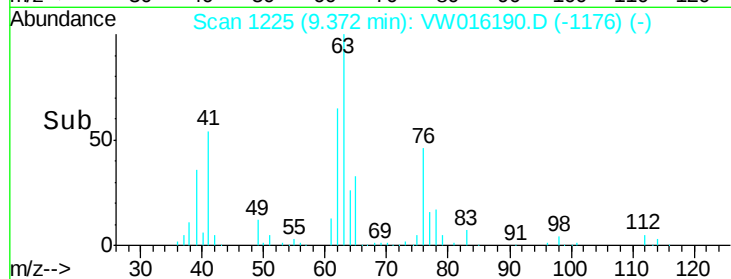
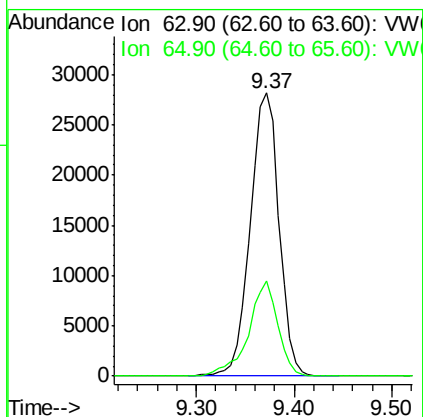
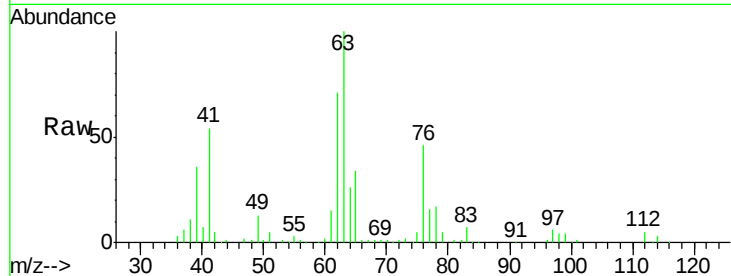




#45
 1,2-Dichloropropane
 Concen: 19.744 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

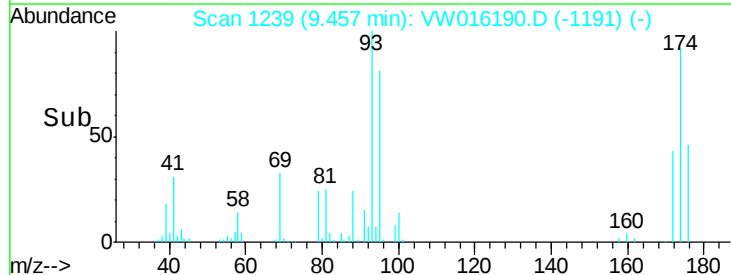
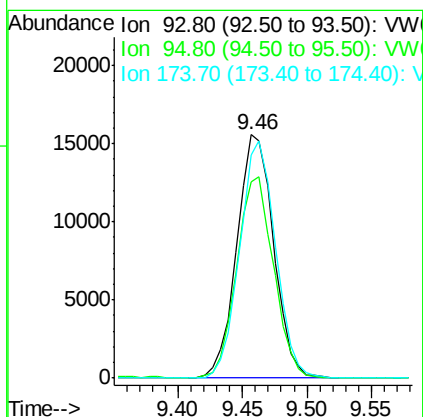
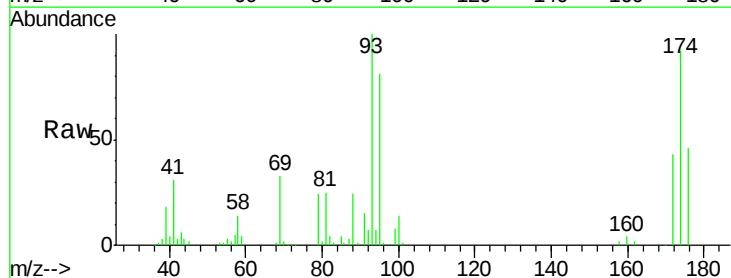
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

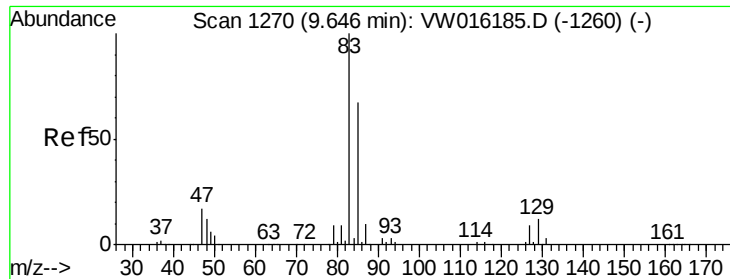
Tgt Ion: 63 Resp: 57796
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.0 37.6



#46
 Dibromomethane
 Concen: 19.990 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 93 Resp: 30722
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 94.8 77.0 115.6





#47

Bromodichloromethane

Concen: 19.007 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

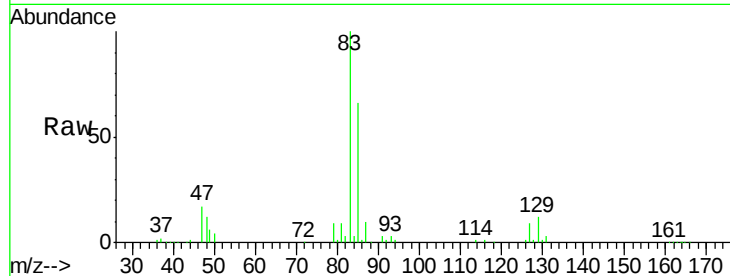
Tgt Ion: 83 Resp: 75470

Ion Ratio Lower Upper

83 100

85 65.9 53.3 79.9

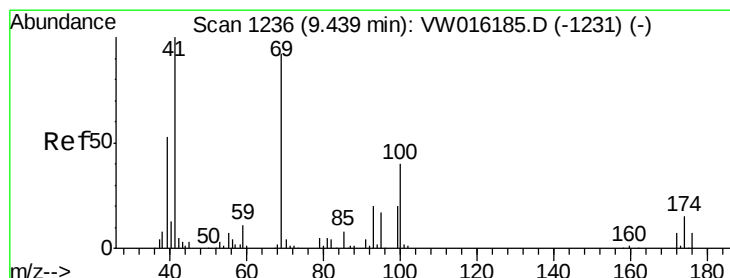
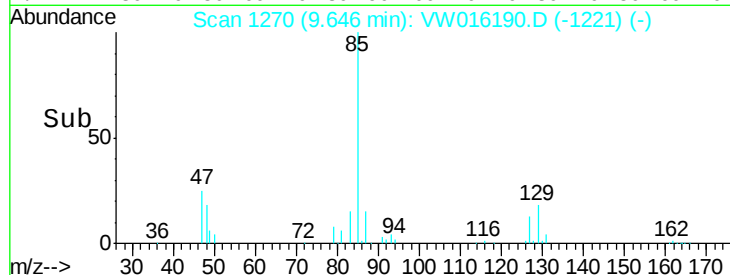
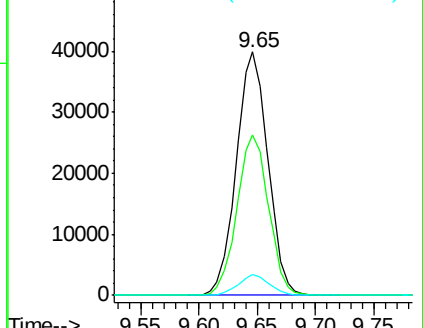
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.408 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

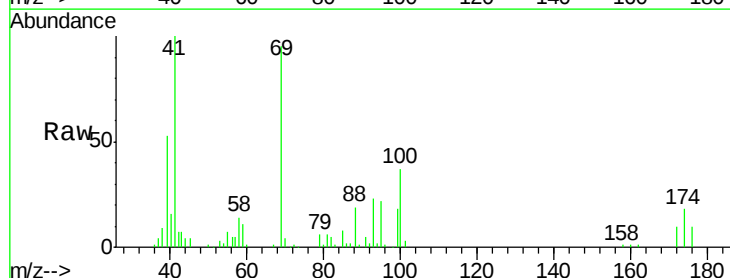
Tgt Ion: 41 Resp: 27014

Ion Ratio Lower Upper

41 100

69 98.9 77.4 116.0

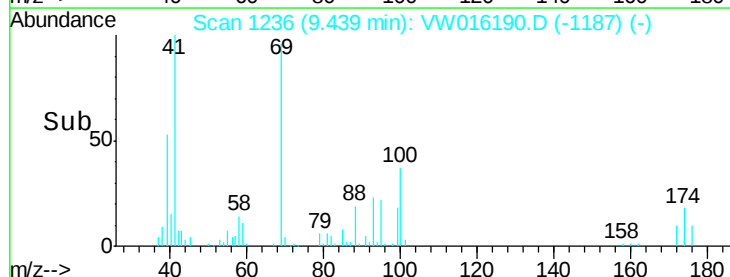
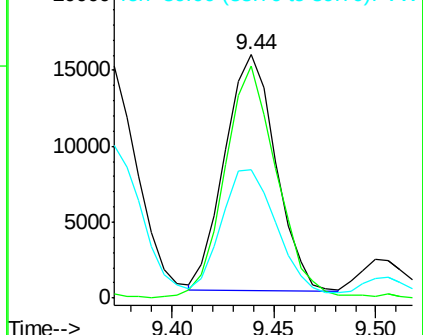
39 60.5 42.2 63.2

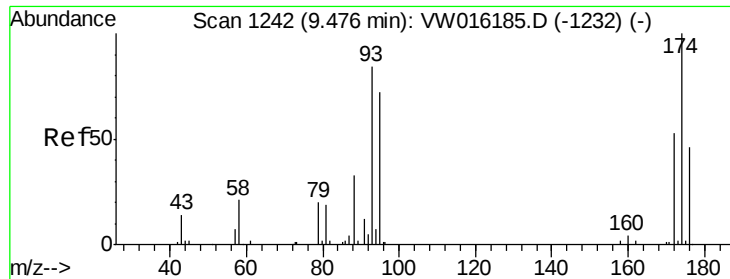


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 457.626 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

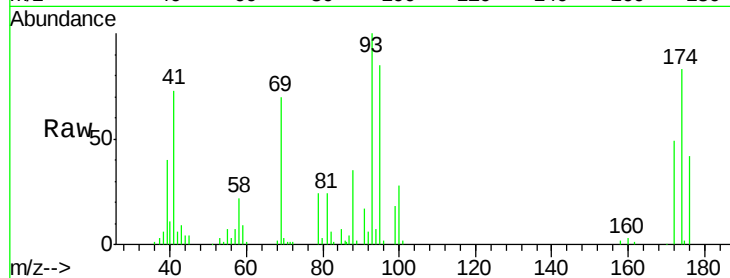
Tgt Ion: 88 Resp: 8856

Ion Ratio Lower Upper

88 100

43 33.1 0.0 0.0#

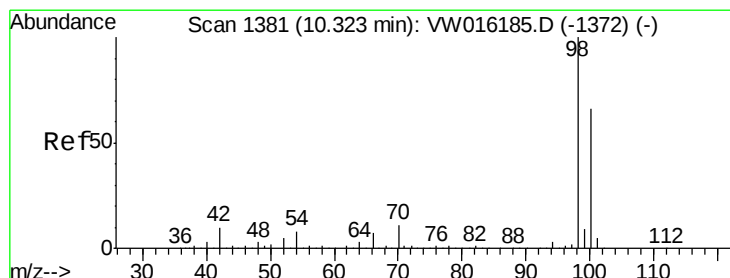
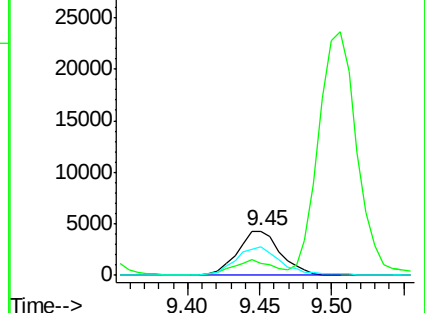
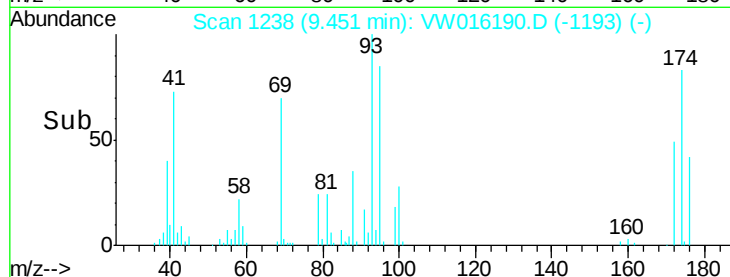
58 69.3 56.6 84.8



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: 51.325 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW016190.D

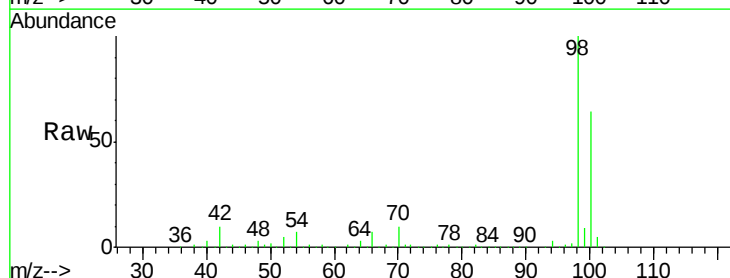
Acq: 14 Aug 2020 14:25

Tgt Ion: 98 Resp: 549277

Ion Ratio Lower Upper

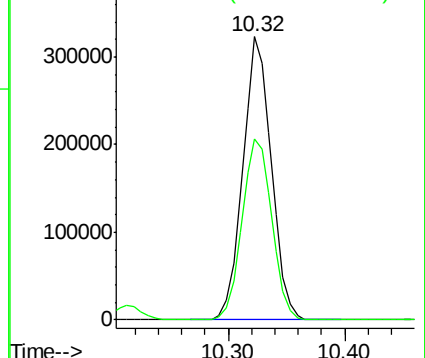
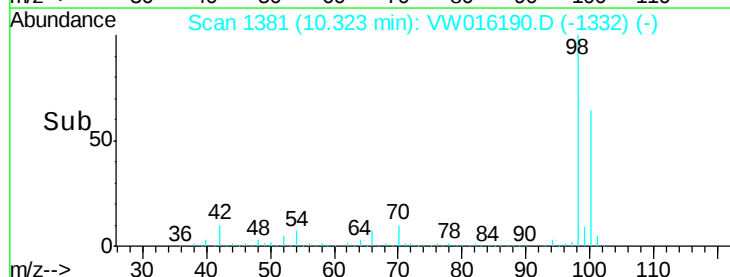
98 100

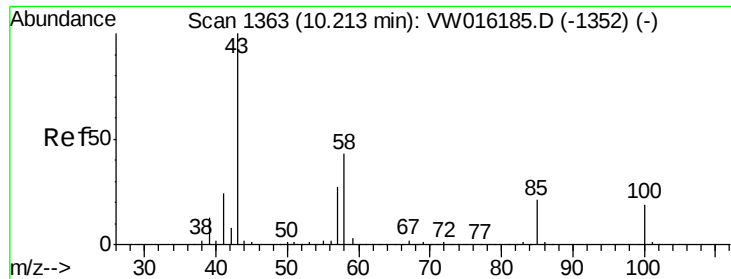
100 66.9 53.5 80.3



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: 105.588 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

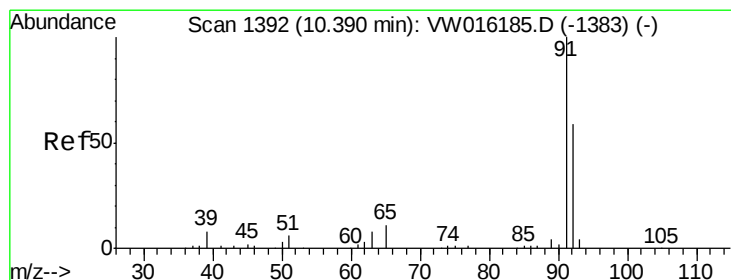
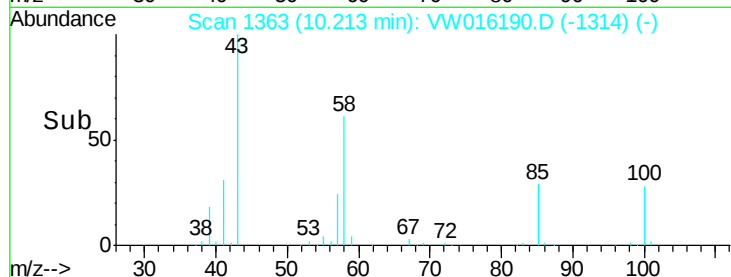
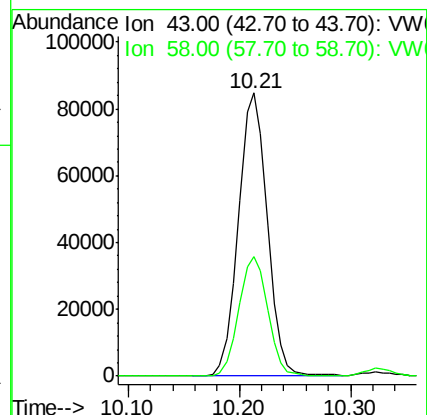
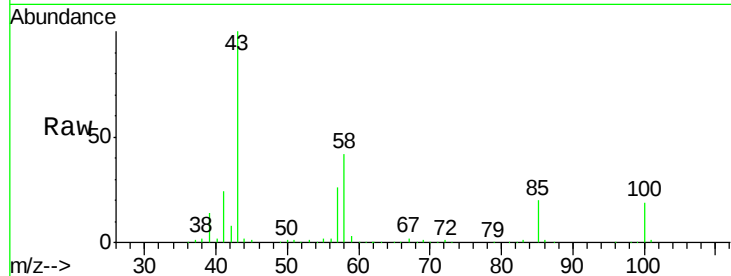
VW0814SBS01

Tgt Ion: 43 Resp: 152059

Ion Ratio Lower Upper

43 100

58 42.4 33.7 50.5



#52

Toluene

Concen: 19.708 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016190.D

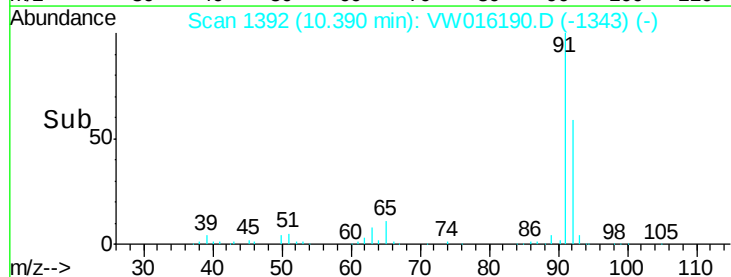
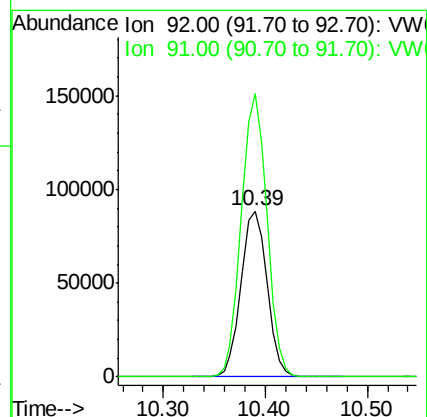
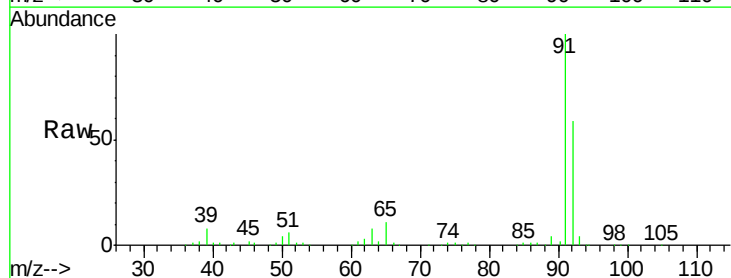
Acq: 14 Aug 2020 14:25

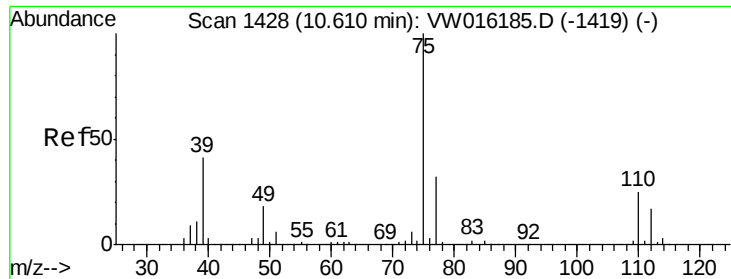
Tgt Ion: 92 Resp: 156717

Ion Ratio Lower Upper

92 100

91 167.7 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

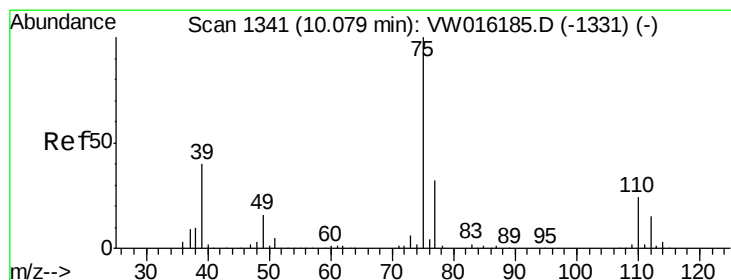
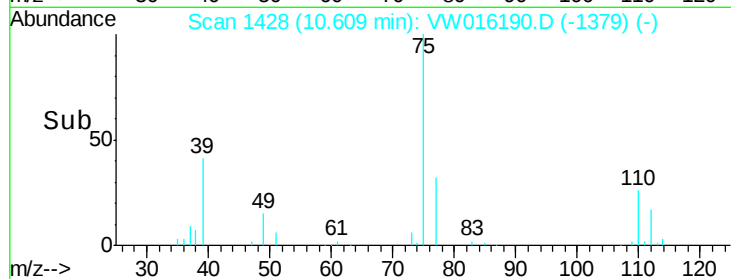
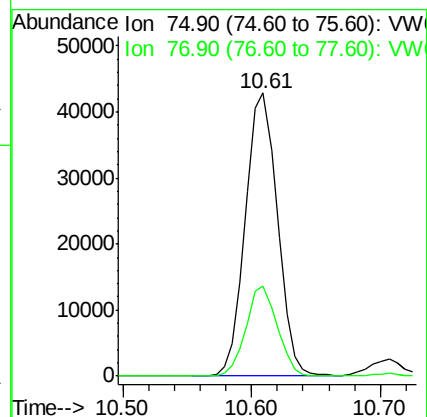
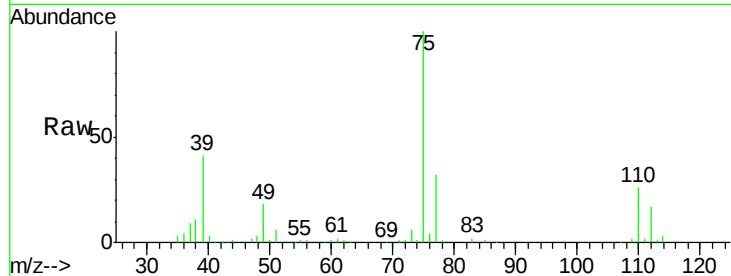
VW0814SBS01

Tgt Ion: 75 Resp: 73890

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.770 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

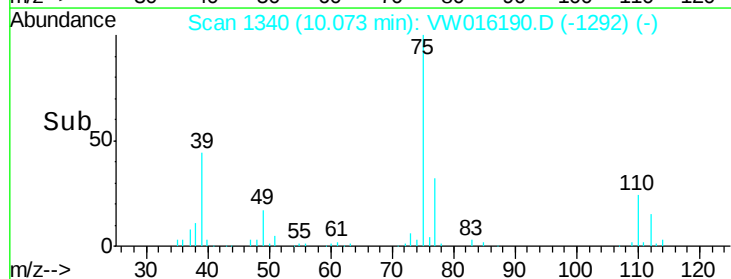
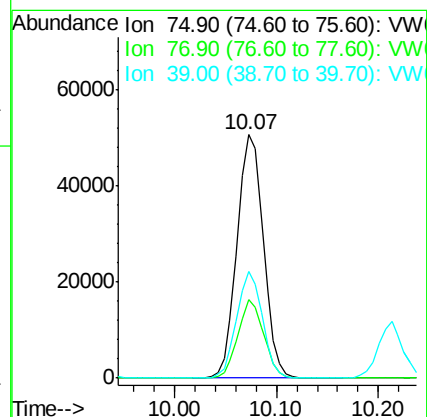
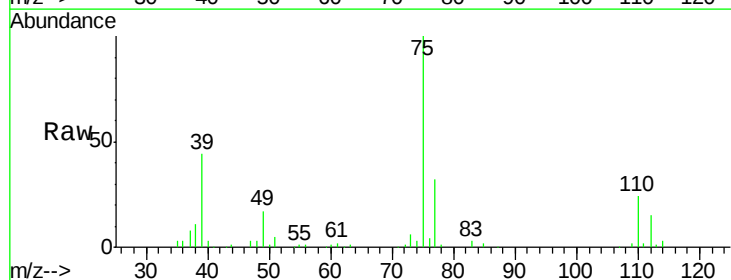
Tgt Ion: 75 Resp: 90334

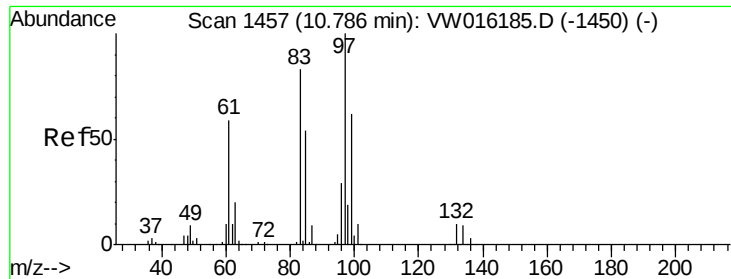
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 43.6 32.3 48.5

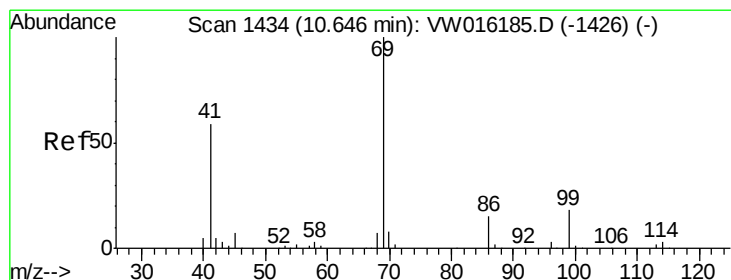
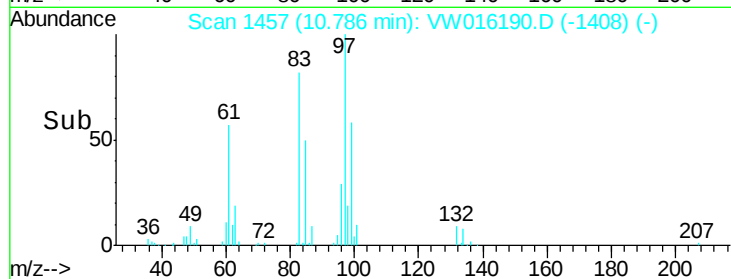
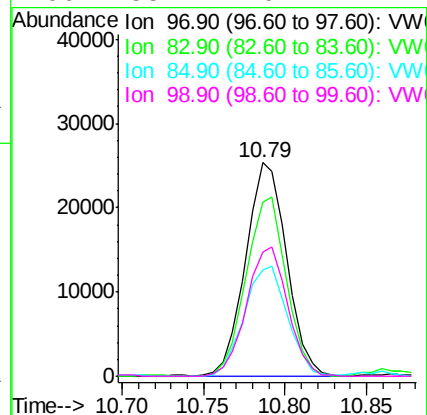
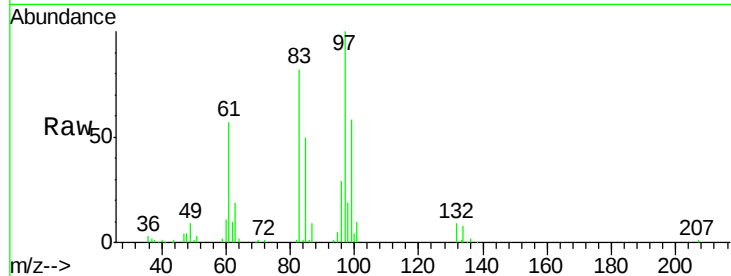




#55
 1,1,2-Trichloroethane
 Concen: 20.175 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

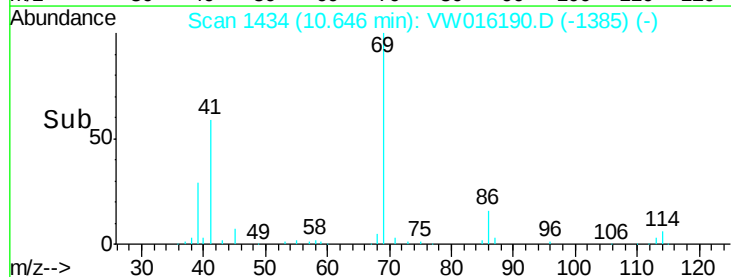
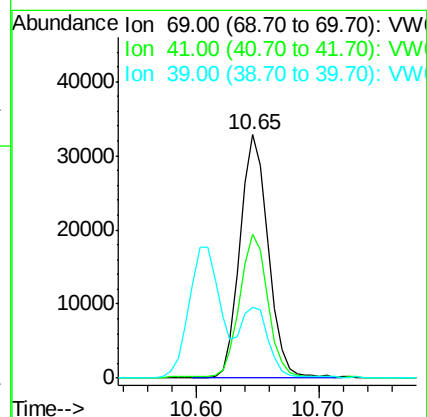
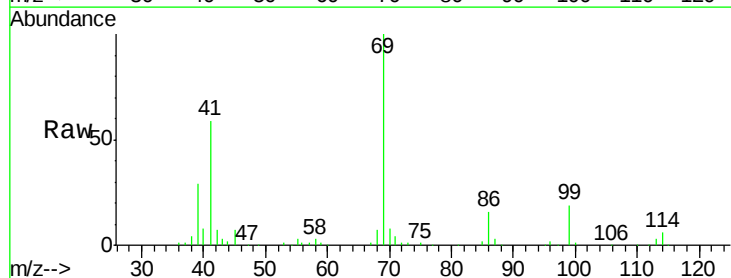
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

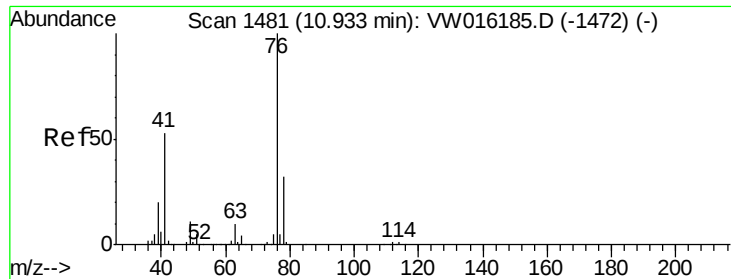
Tgt Ion:	97	Resp:	44490
Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.6	100.0
85	49.9	43.0	64.4
99	58.2	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 20.808 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion:	69	Resp:	52327
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.6	71.4
39	30.9	24.6	36.8

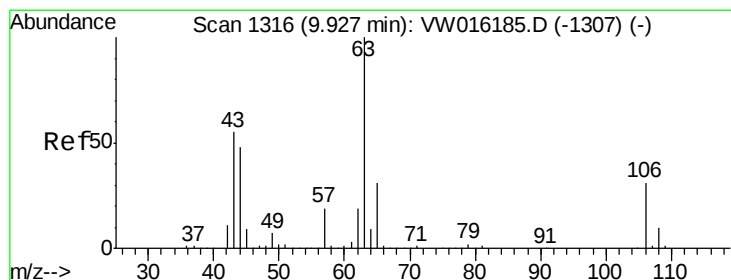
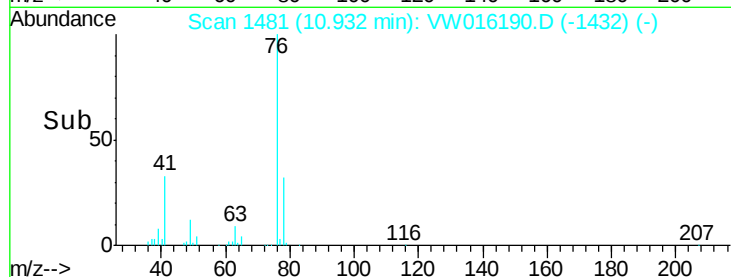
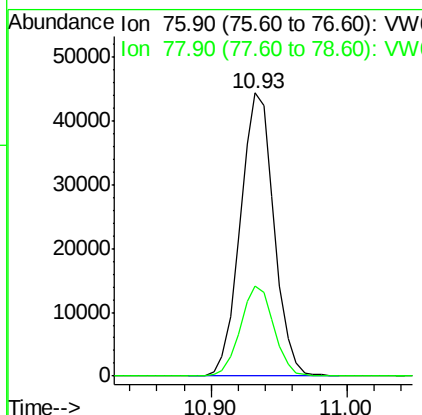
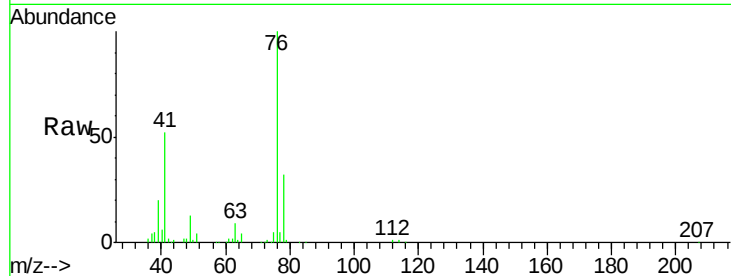




#57
 1,3-Dichloropropane
 Concen: 20.349 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

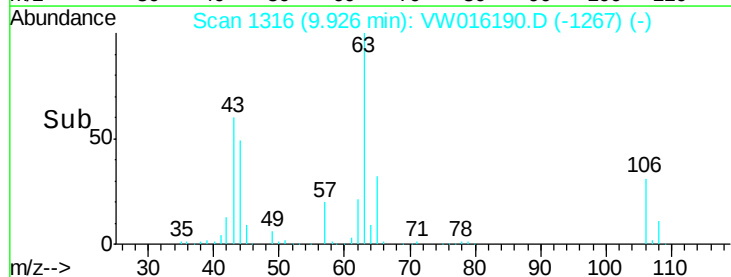
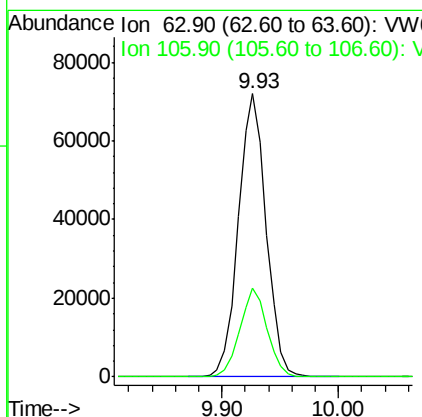
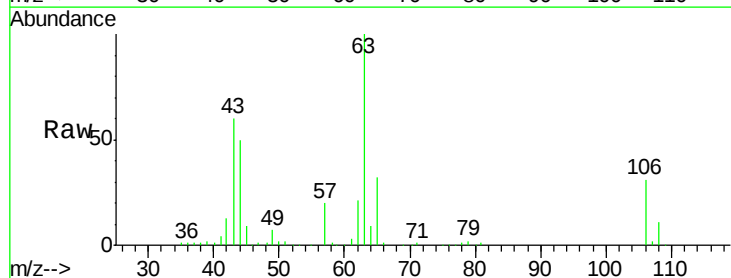
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

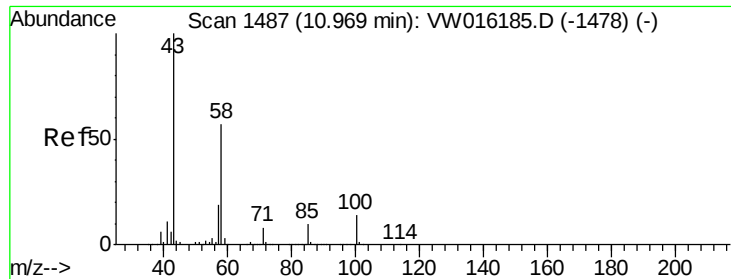
Tgt Ion: 76 Resp: 76346
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.211 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion: 63 Resp: 119483
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.9 37.3

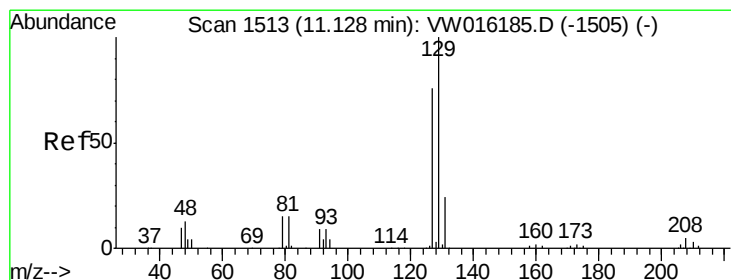
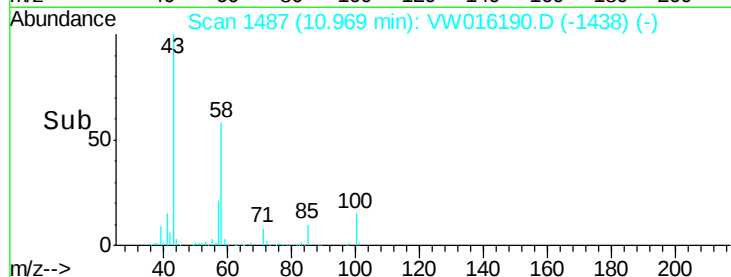
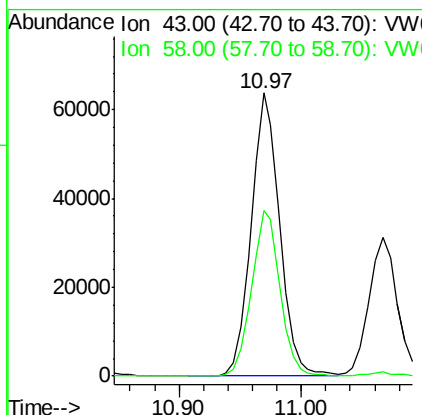
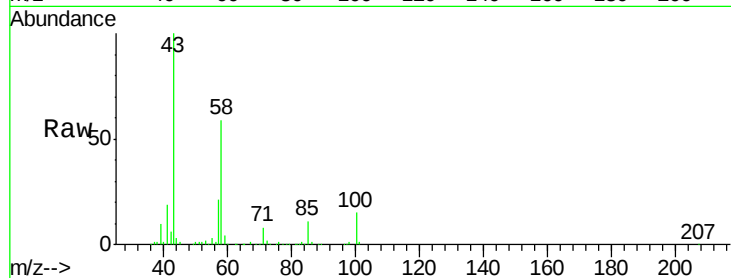




#59
2-Hexanone
Concen: 105.266 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

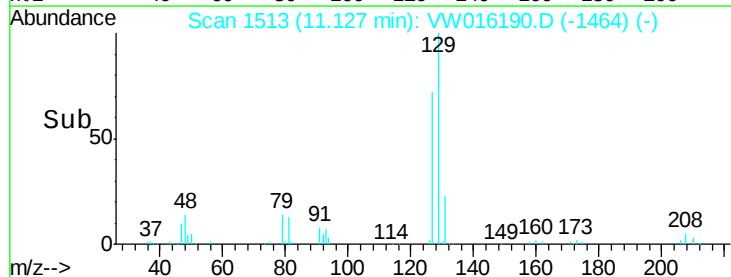
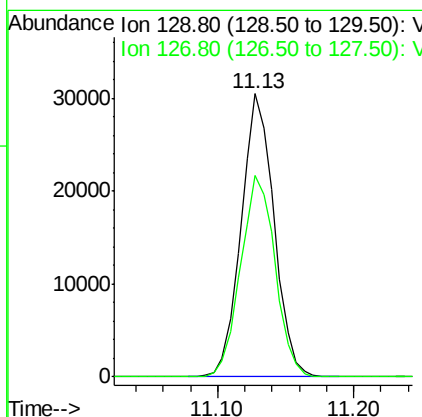
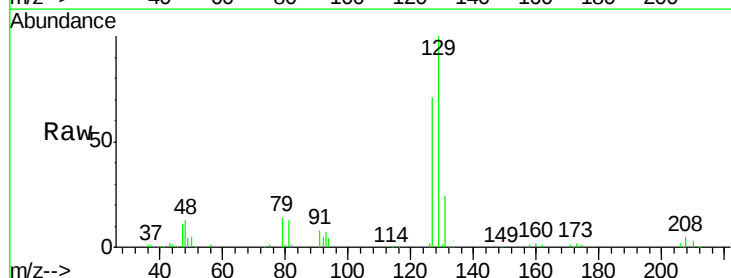
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

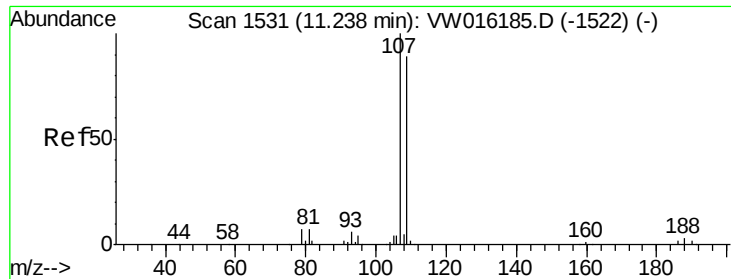
Tgt Ion: 43 Resp: 103707
Ion Ratio Lower Upper
43 100
58 58.2 28.8 86.5



#60
Dibromochloromethane
Concen: 19.638 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 129 Resp: 51515
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.815 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

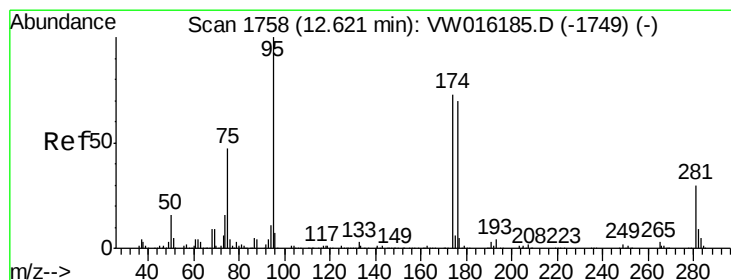
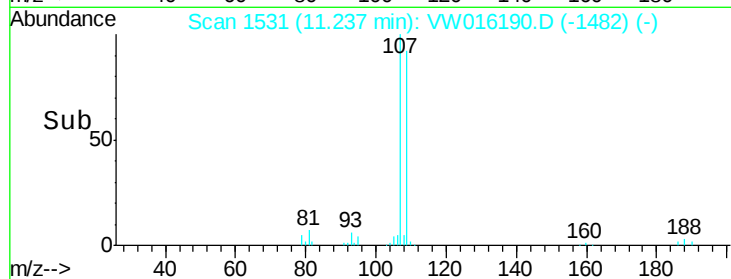
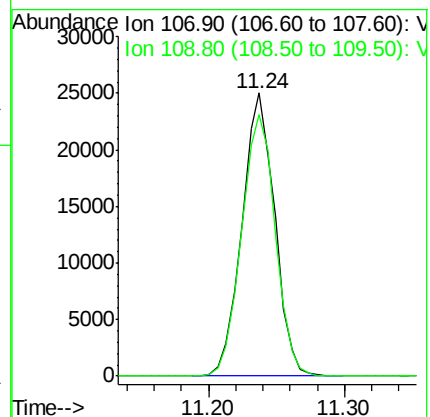
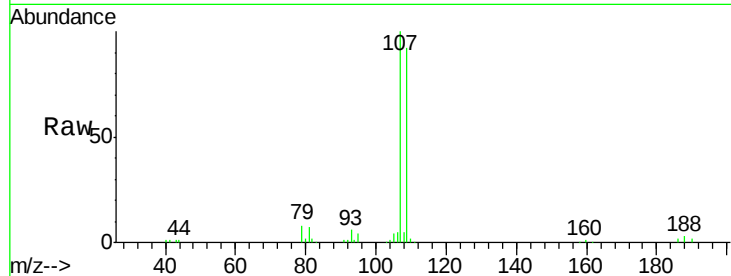
VW0814SBS01

Tgt Ion: 107 Resp: 42063

Ion Ratio Lower Upper

107 100

109 95.4 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 51.753 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

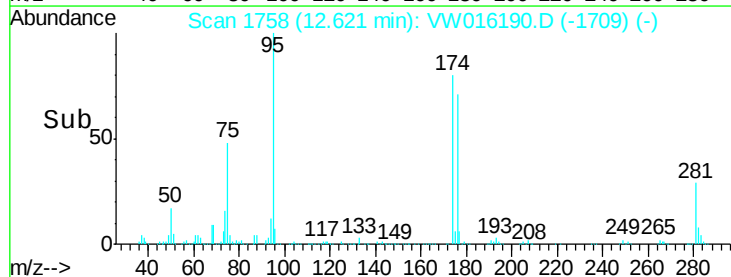
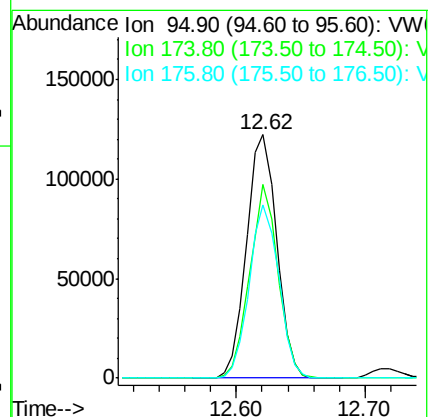
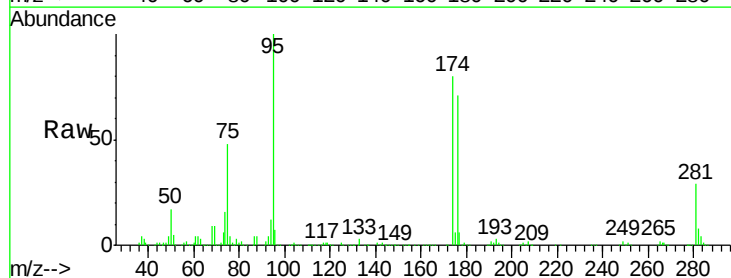
Tgt Ion: 95 Resp: 197977

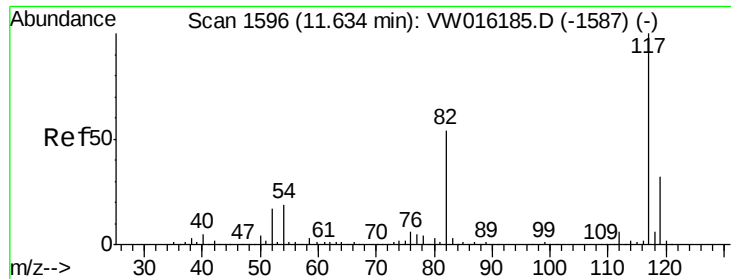
Ion Ratio Lower Upper

95 100

174 74.0 0.0 145.6

176 69.7 0.0 137.8

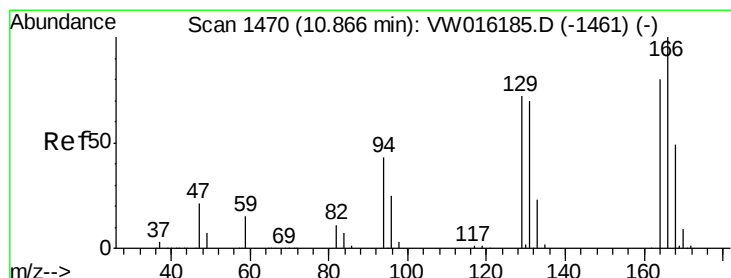
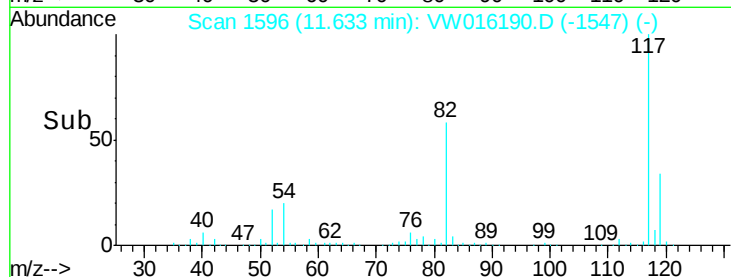
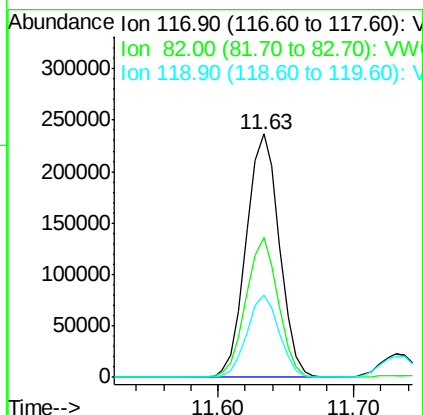
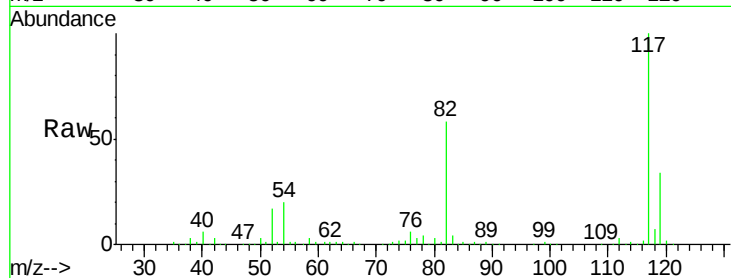




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

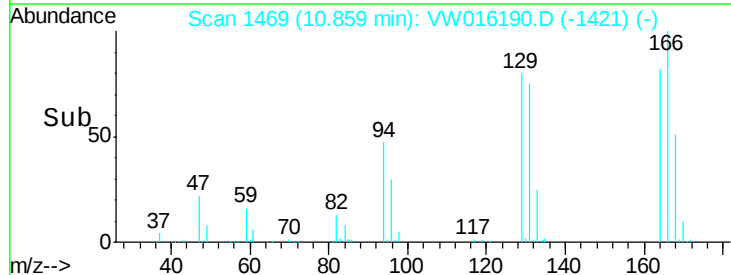
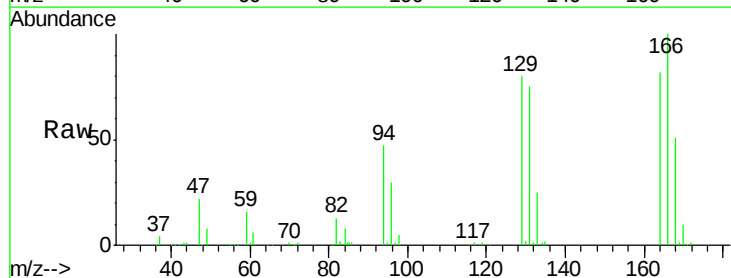
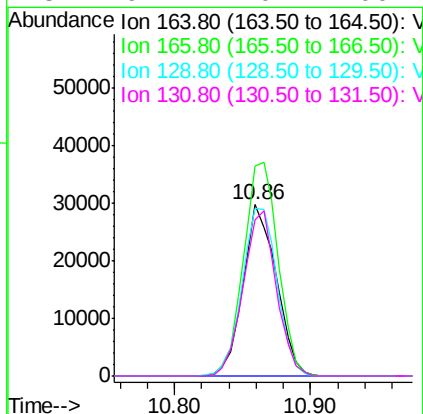
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

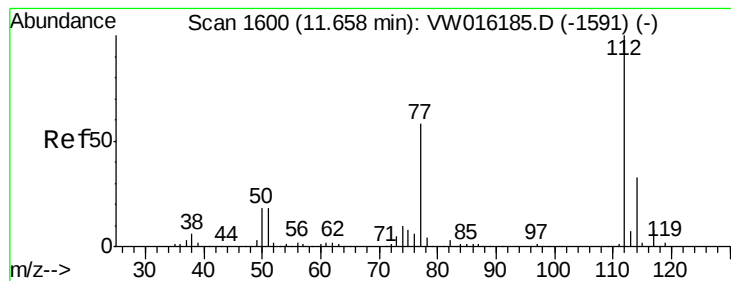
Tgt Ion:117 Resp: 405210
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 33.8 25.4 38.0



#64
Tetrachloroethene
Concen: 19.245 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion:164 Resp: 51169
Ion Ratio Lower Upper
164 100
166 122.7 100.3 150.5
129 98.3 72.2 108.4
131 91.4 70.7 106.1





#65

Chlorobenzene

Concen: 19.811 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

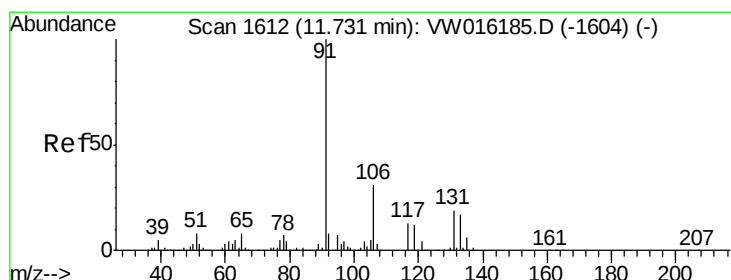
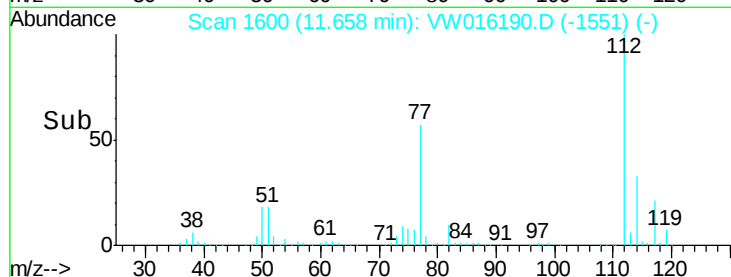
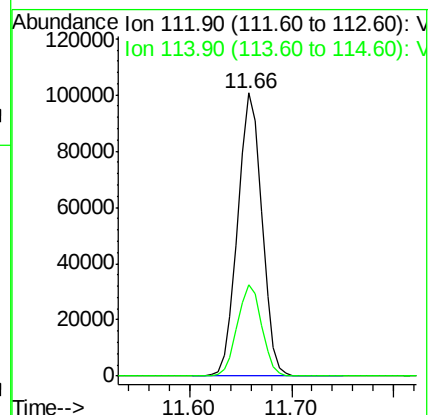
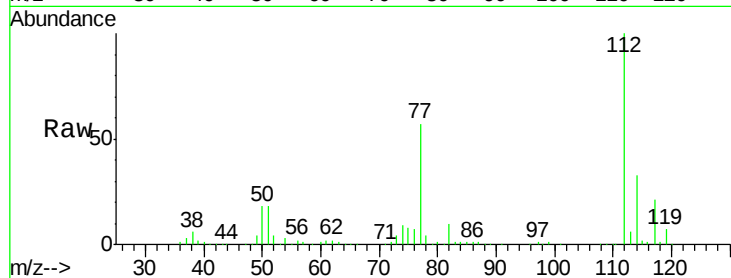
VW0814SBS01

Tgt Ion:112 Resp: 164533

Ion Ratio Lower Upper

112 100

114 32.5 26.6 39.8



#66

1,1,1,2-Tetrachloroethane

Concen: 19.813 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

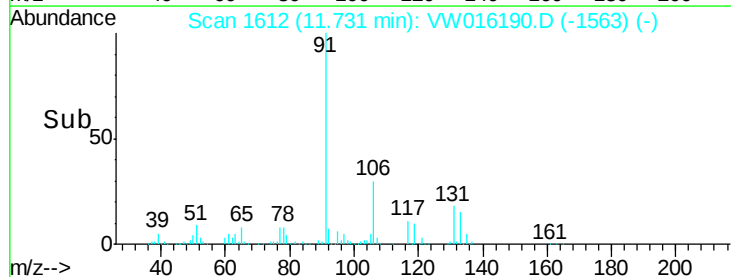
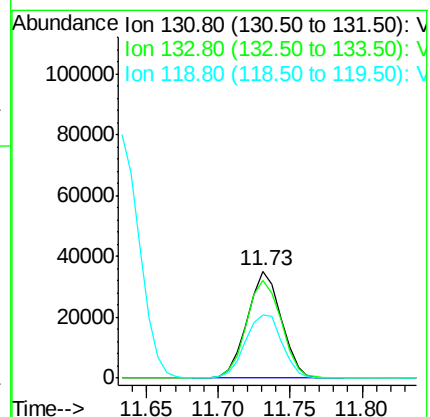
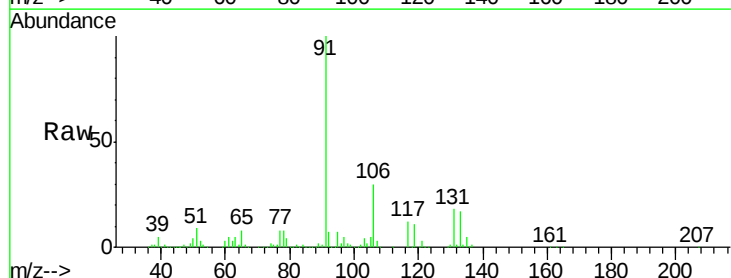
Tgt Ion:131 Resp: 57519

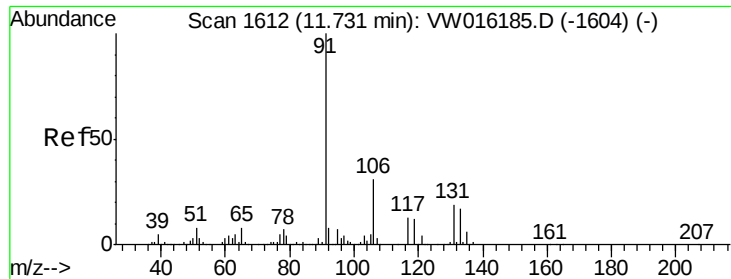
Ion Ratio Lower Upper

131 100

133 93.1 47.1 141.3

119 63.7 33.1 99.3

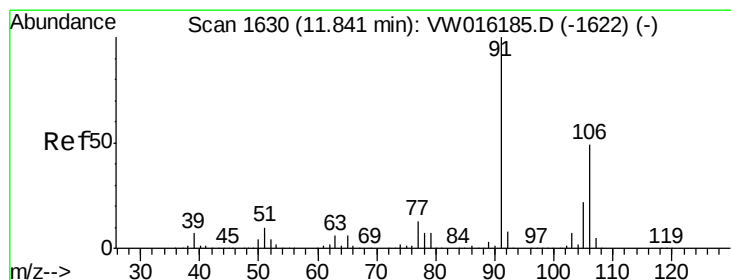
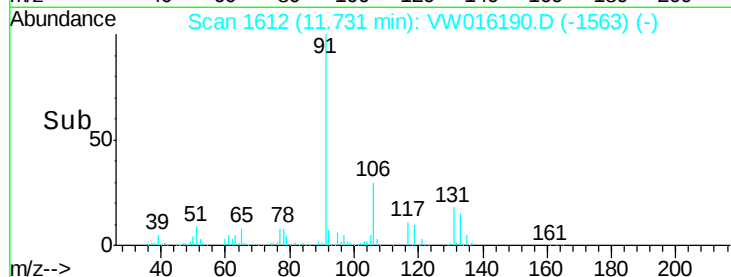
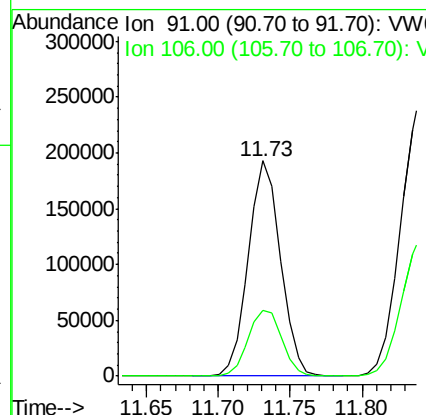
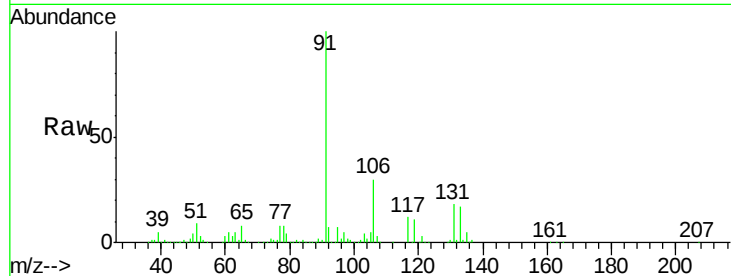




#67
Ethyl Benzene
Concen: 19.988 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

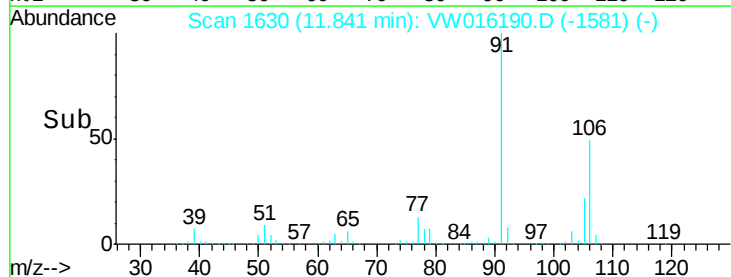
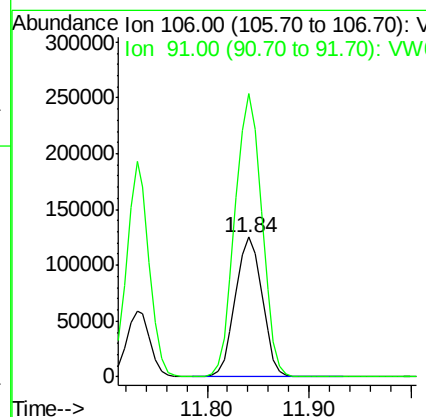
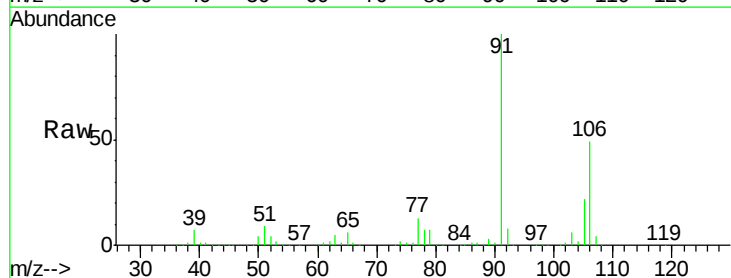
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

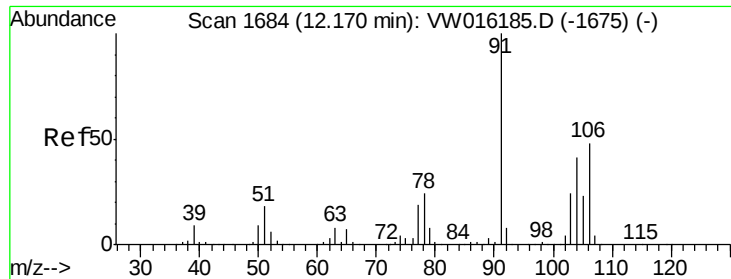
Tgt Ion: 91 Resp: 298348
Ion Ratio Lower Upper
91 100
106 30.4 24.9 37.3



#68
m/p-Xylenes
Concen: 39.835 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 106 Resp: 228546
Ion Ratio Lower Upper
106 100
91 202.0 161.4 242.2

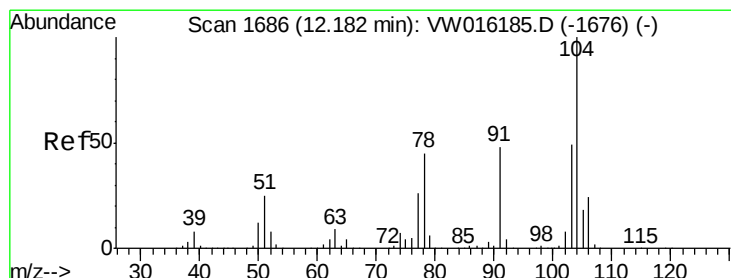
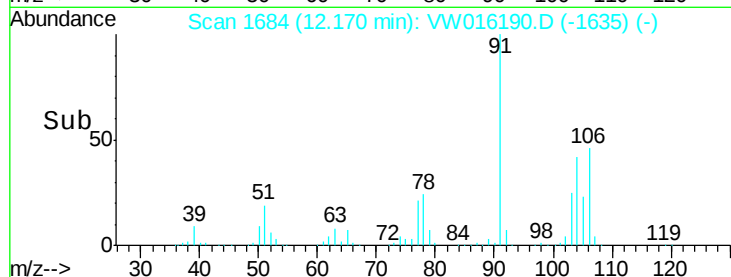
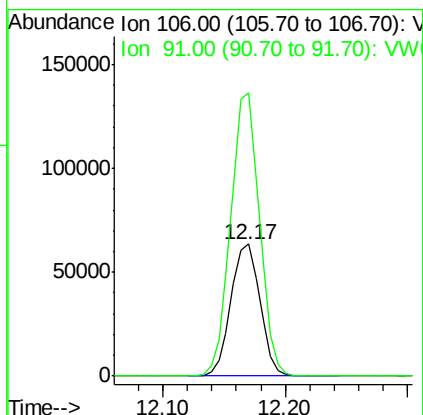
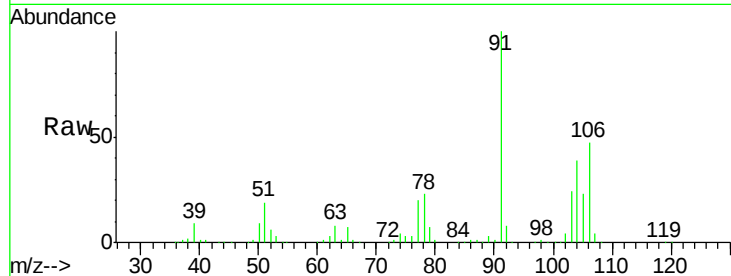




#69
o-Xylene
Concen: 20.446 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

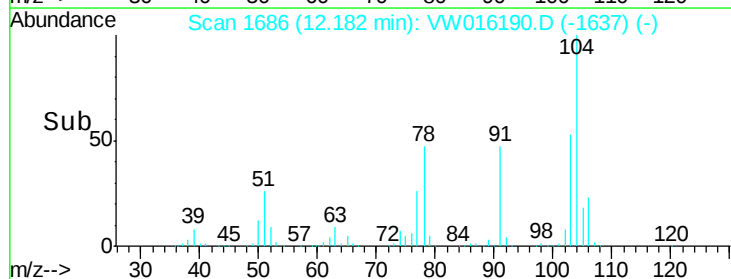
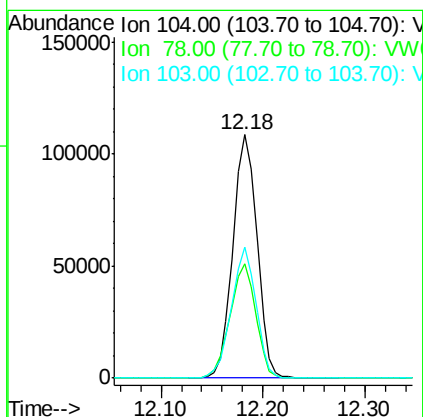
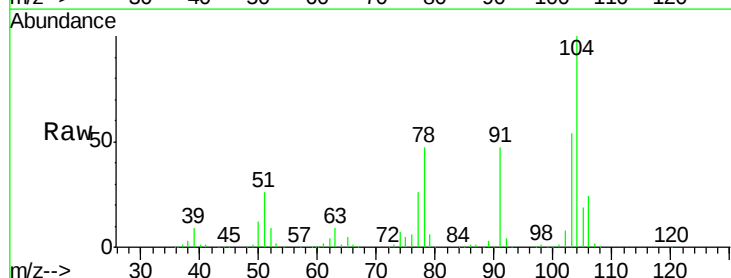
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

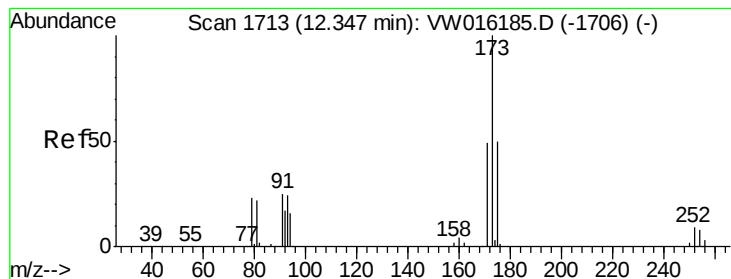
Tgt Ion:106 Resp: 104505
Ion Ratio Lower Upper
106 100
91 212.1 106.0 317.9



#70
Styrene
Concen: 20.099 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion:104 Resp: 177770
Ion Ratio Lower Upper
104 100
78 50.2 39.4 59.2
103 54.8 42.9 64.3





#71

Bromoform

Concen: 20.498 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

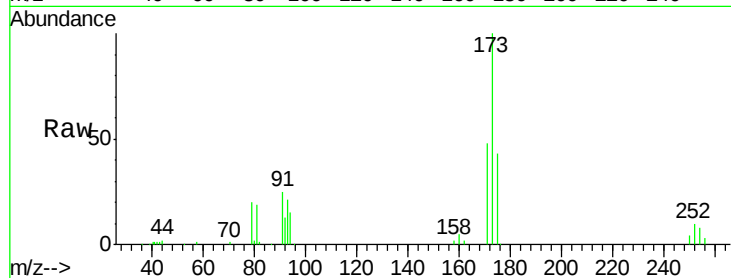
Tgt Ion:173 Resp: 26632

Ion Ratio Lower Upper

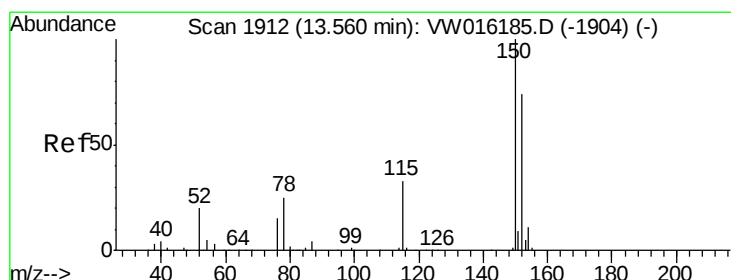
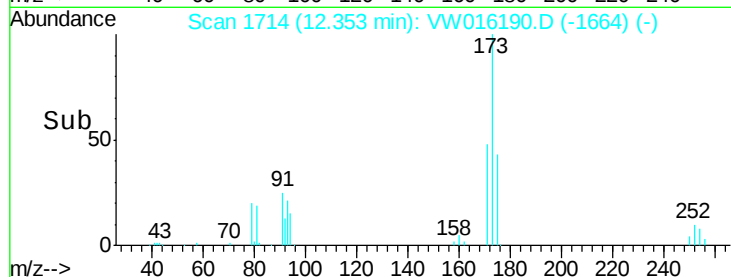
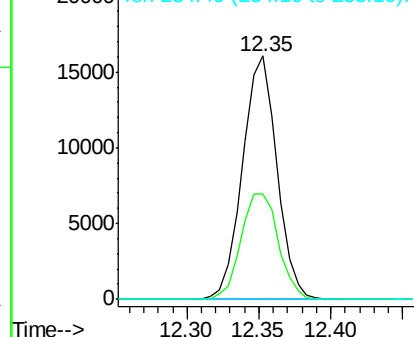
173 100

175 47.2 24.7 74.1

254 0.0 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: VW016190.D

Acq: 14 Aug 2020 14:25

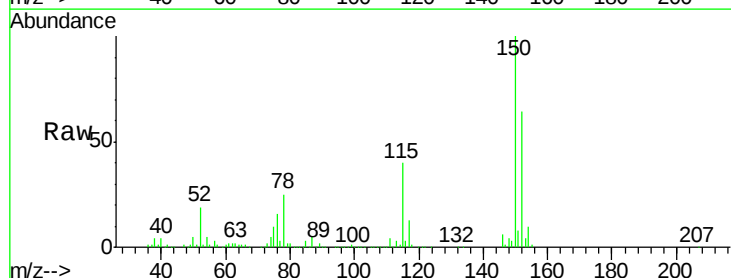
Tgt Ion:152 Resp: 197101

Ion Ratio Lower Upper

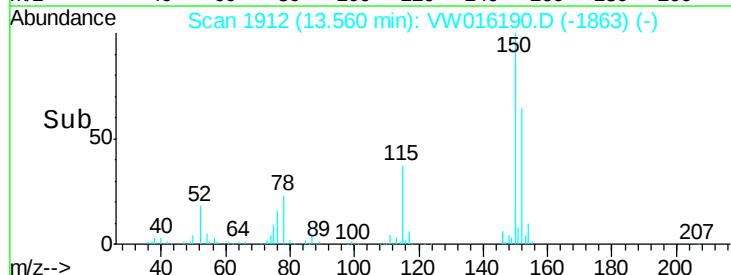
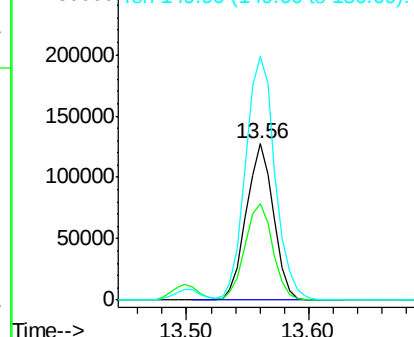
152 100

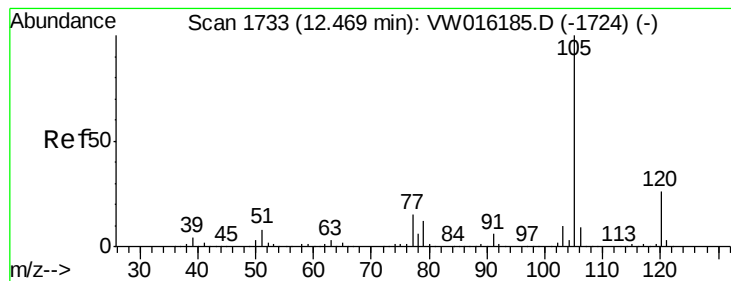
115 63.0 30.9 92.5

150 168.8 0.0 337.8



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: 19.503 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

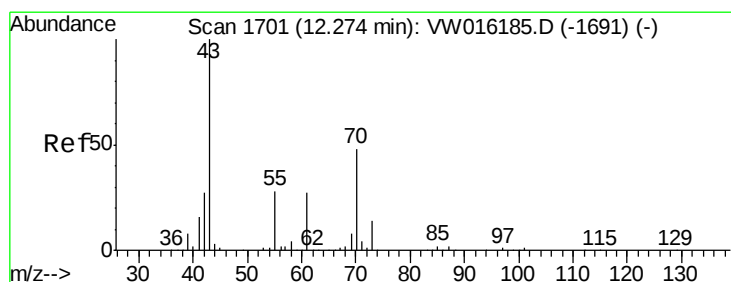
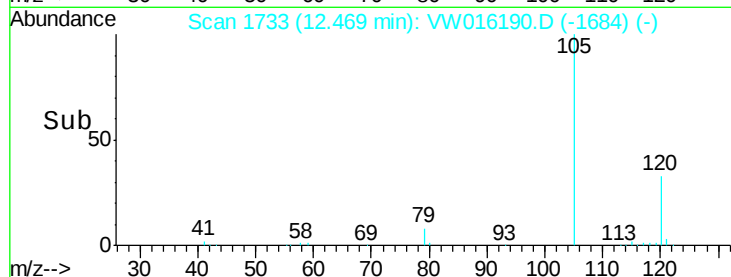
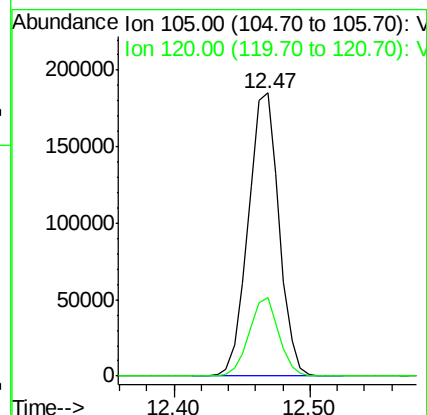
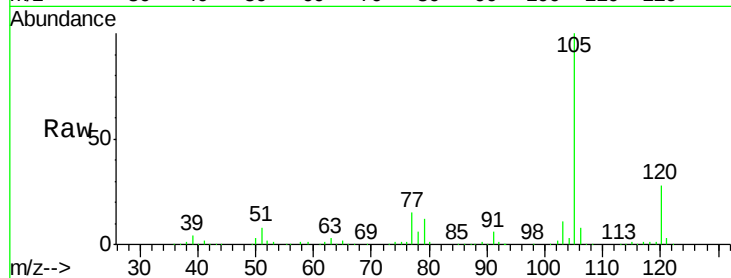
VW0814SBS01

Tgt Ion:105 Resp: 292934

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 20.454 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Tgt Ion: 43 Resp: 55016

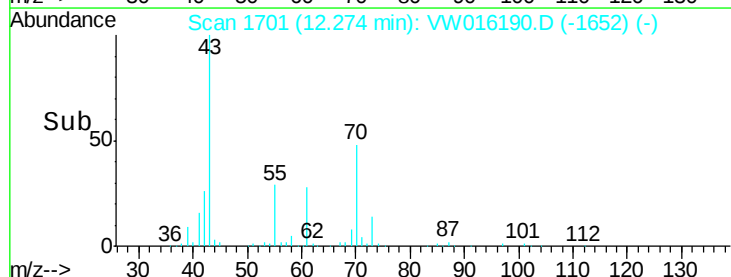
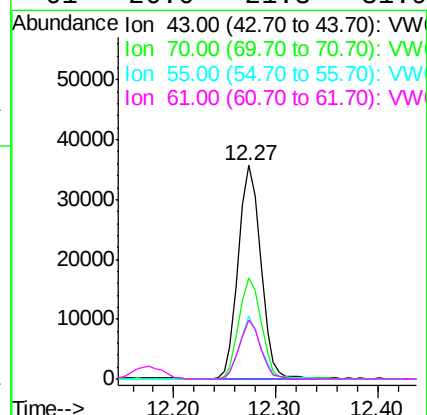
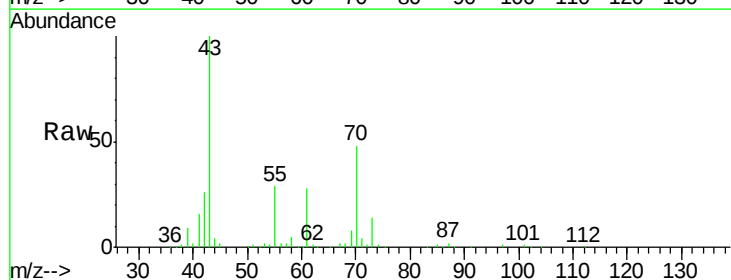
Ion Ratio Lower Upper

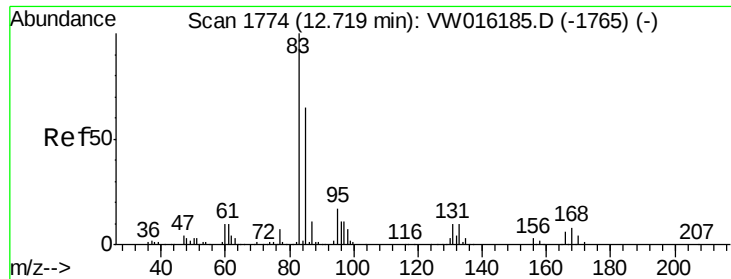
43 100

70 46.9 38.6 58.0

55 27.2 22.2 33.2

61 26.0 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.760 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

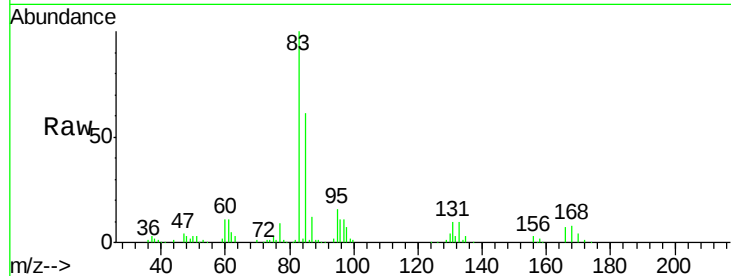
Tgt Ion: 83 Resp: 49662

Ion Ratio Lower Upper

83 100

131 10.4 5.6 16.8

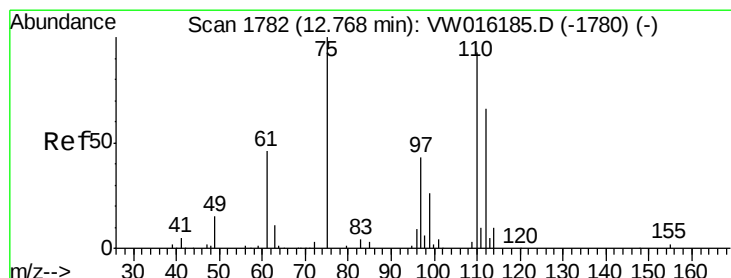
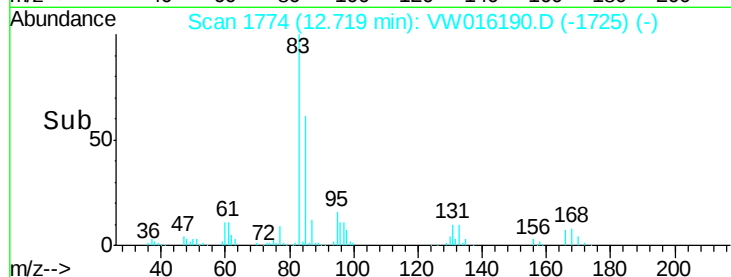
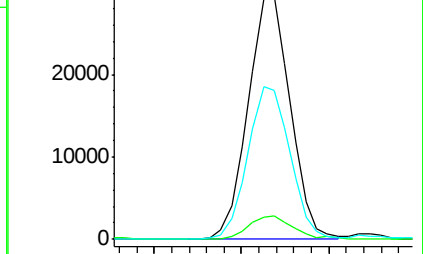
85 62.9 31.3 93.9



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: 33.803 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016190.D

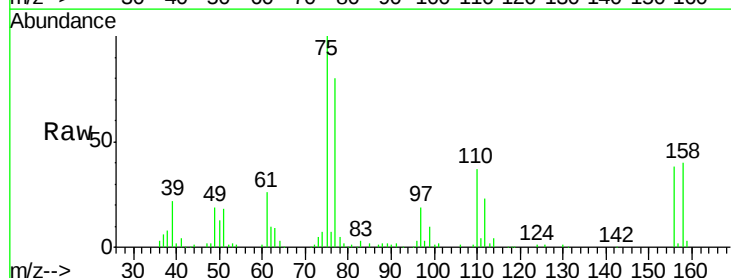
Acq: 14 Aug 2020 14:25

Tgt Ion: 75 Resp: 61274

Ion Ratio Lower Upper

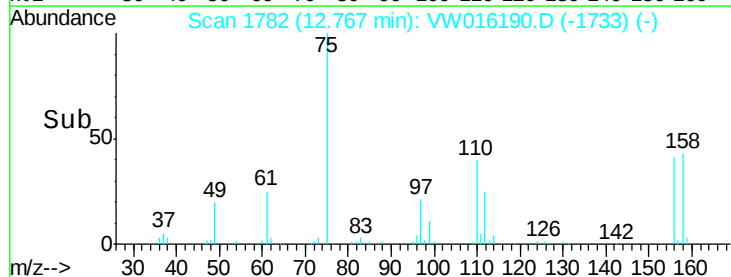
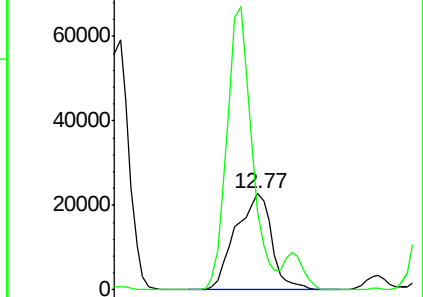
75 100

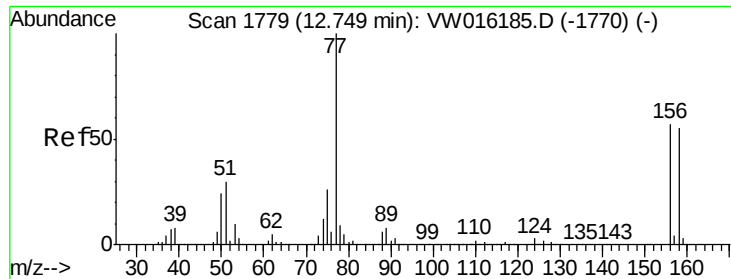
77 202.1 173.6 520.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.246 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampled :

VW0814SBS01

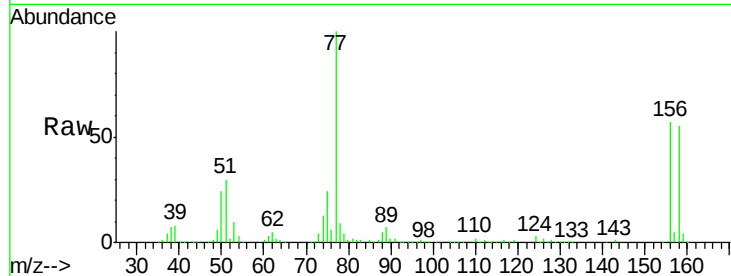
Tgt Ion: 156 Resp: 63939

Ion Ratio Lower Upper

156 100

77 193.6 97.9 293.6

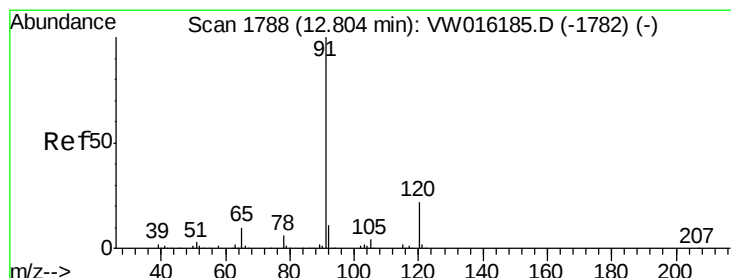
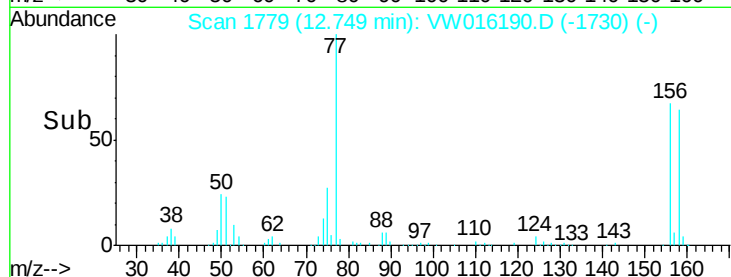
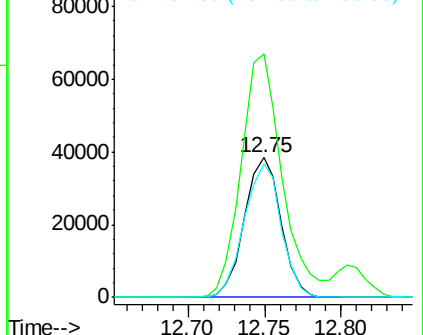
158 96.5 49.0 147.2



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: 19.319 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016190.D

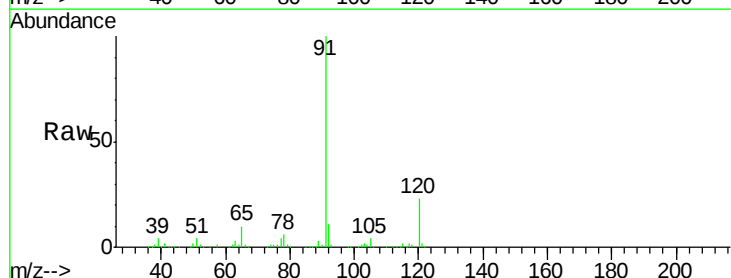
Acq: 14 Aug 2020 14:25

Tgt Ion: 91 Resp: 346349

Ion Ratio Lower Upper

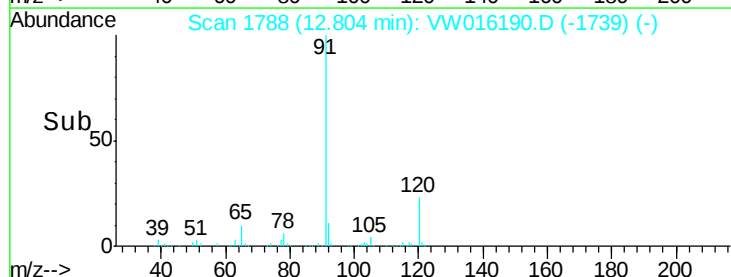
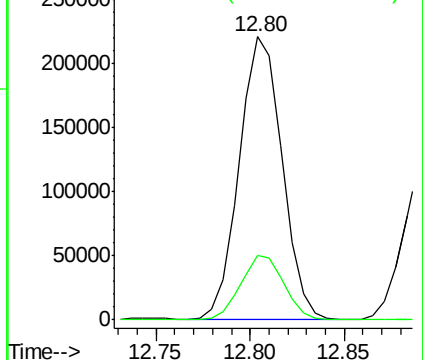
91 100

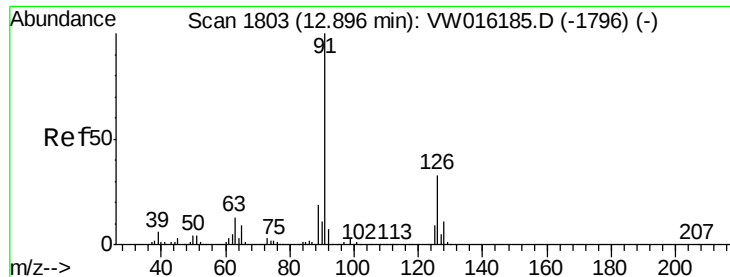
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.330 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

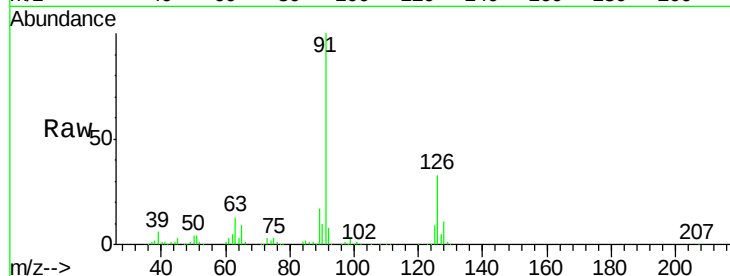
VW0814SBS01

Tgt Ion: 91 Resp: 200185

Ion Ratio Lower Upper

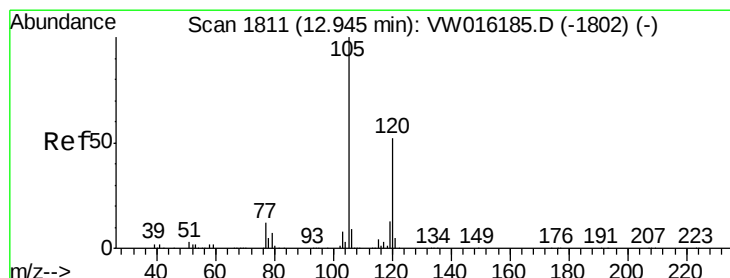
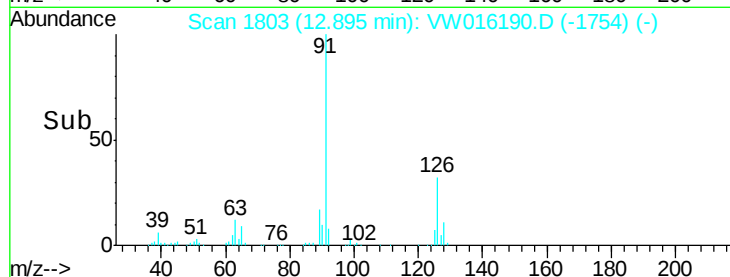
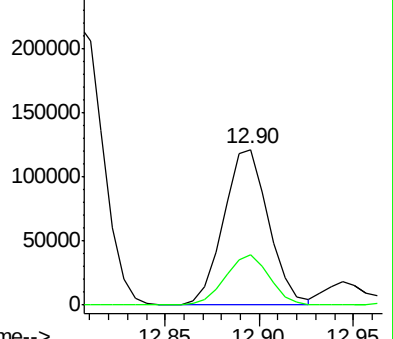
91 100

126 32.0 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.600 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW016190.D

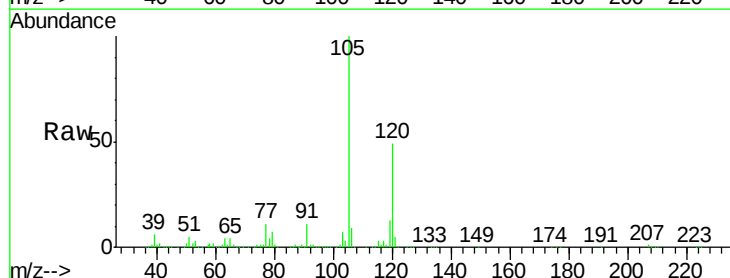
Acq: 14 Aug 2020 14:25

Tgt Ion: 105 Resp: 252711

Ion Ratio Lower Upper

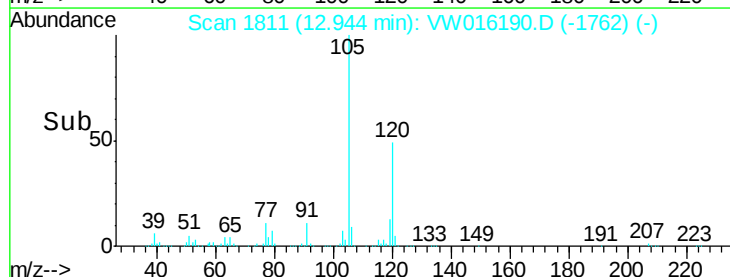
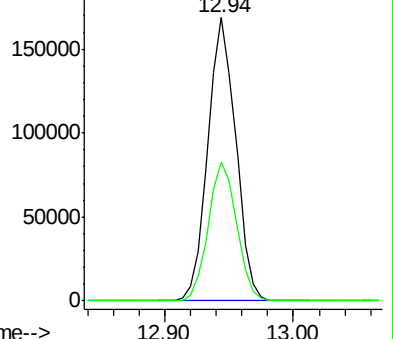
105 100

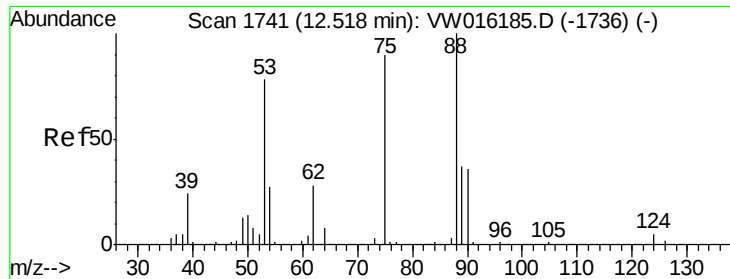
120 49.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

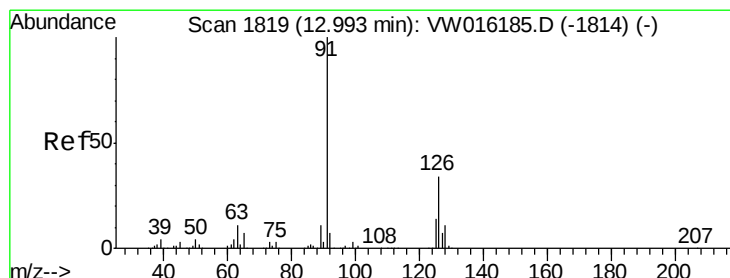
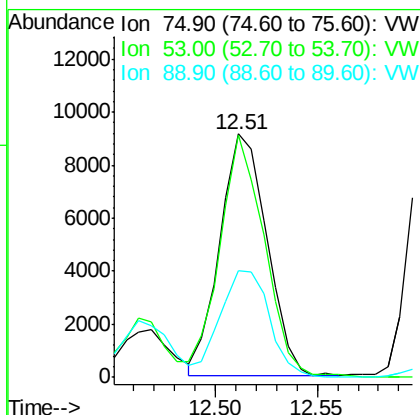
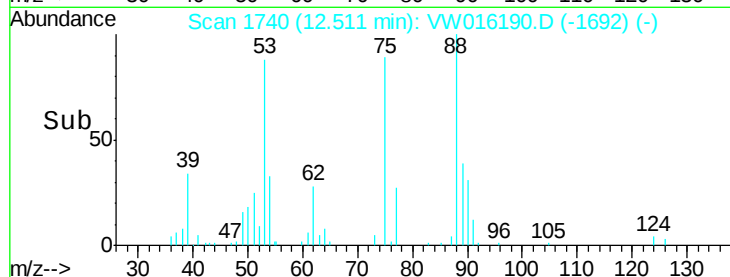
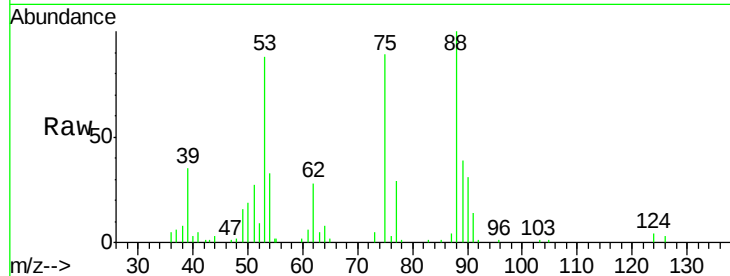




#81
trans-1,4-Dichloro-2-butene
Concen: 19.236 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

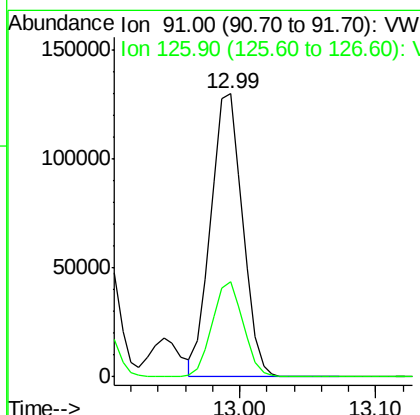
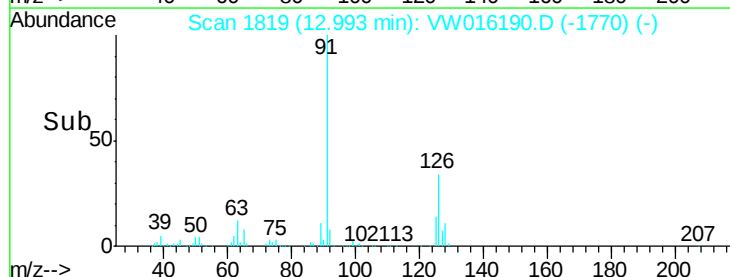
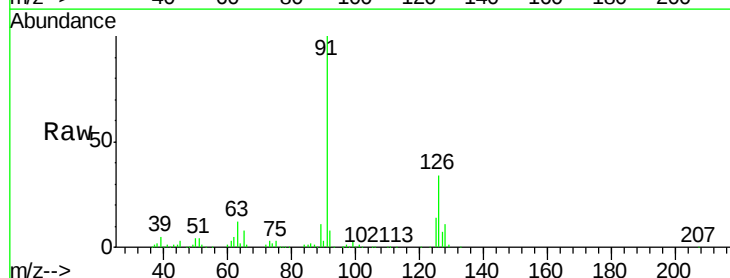
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

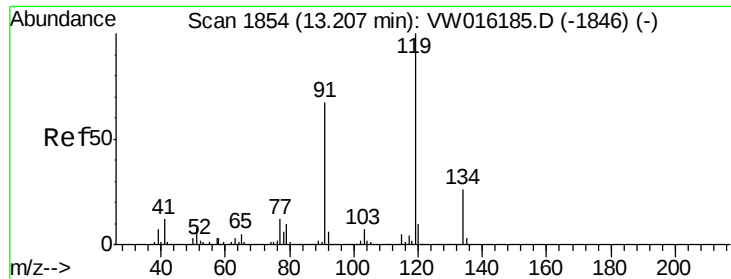
Tgt Ion: 75 Resp: 14537
Ion Ratio Lower Upper
75 100
53 95.3 74.6 111.8
89 46.7 37.2 55.8



#82
4-Chlorotoluene
Concen: 19.493 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion: 91 Resp: 210167
Ion Ratio Lower Upper
91 100
126 33.0 16.6 49.8

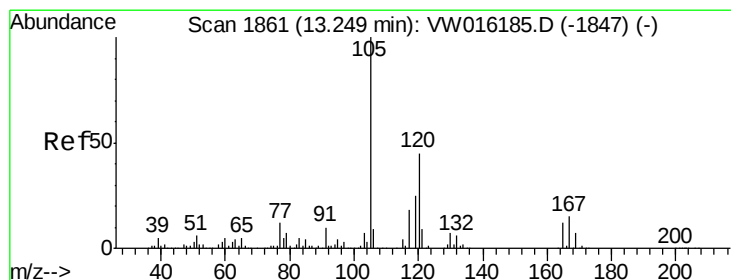
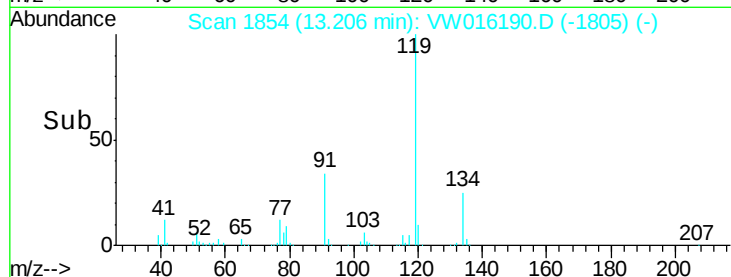
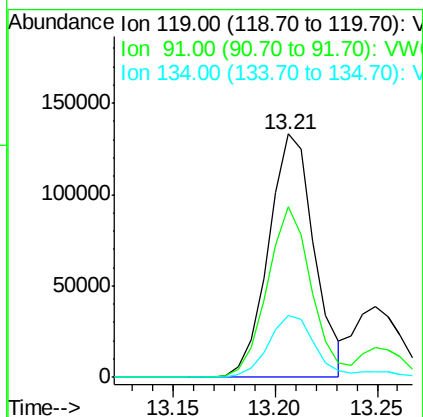
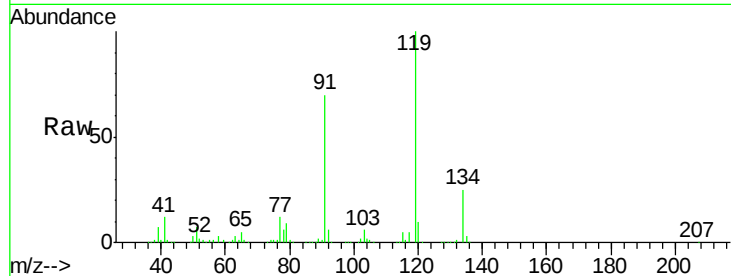




#83
tert-Butylbenzene
Concen: 19.696 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

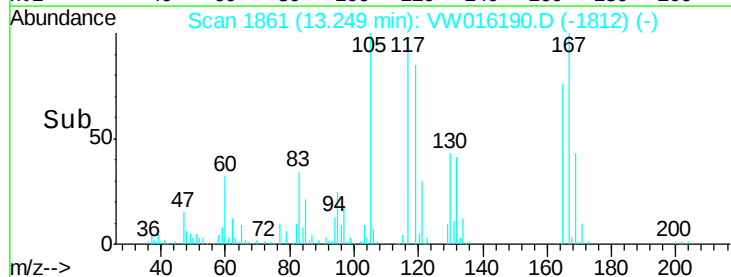
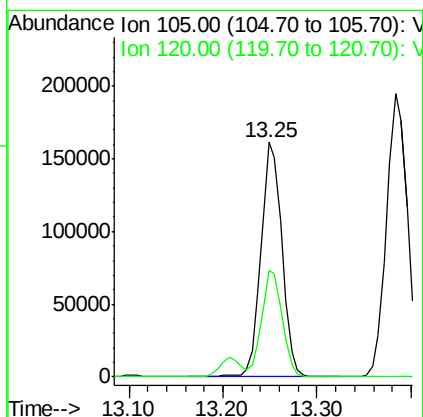
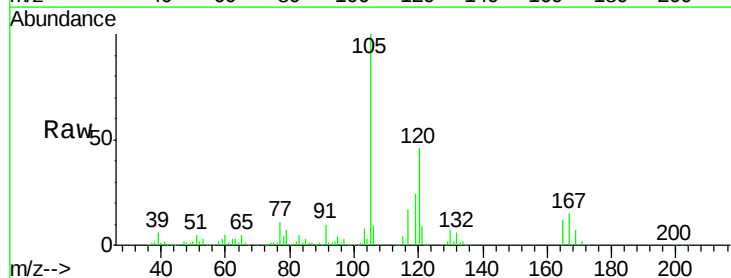
Instrument :
MSVOA_W
ClientSampleId :
VW0814SBS01

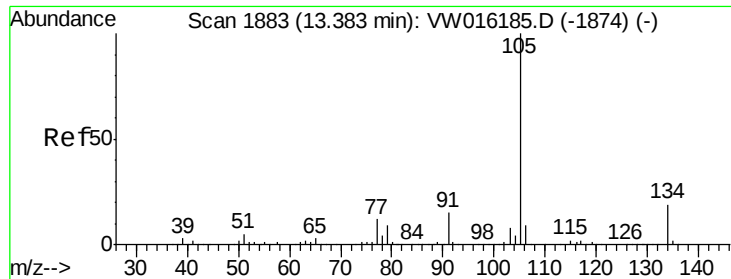
Tgt Ion:119 Resp: 208128
Ion Ratio Lower Upper
119 100
91 68.2 33.3 99.9
134 25.6 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 19.970 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW016190.D
Acq: 14 Aug 2020 14:25

Tgt Ion:105 Resp: 254787
Ion Ratio Lower Upper
105 100
120 44.8 22.2 66.6

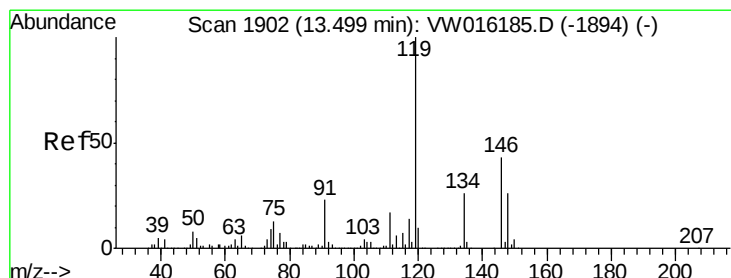
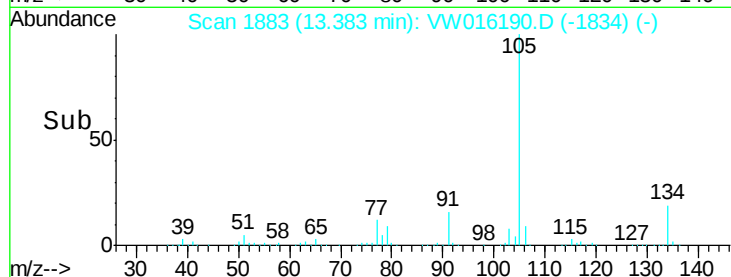
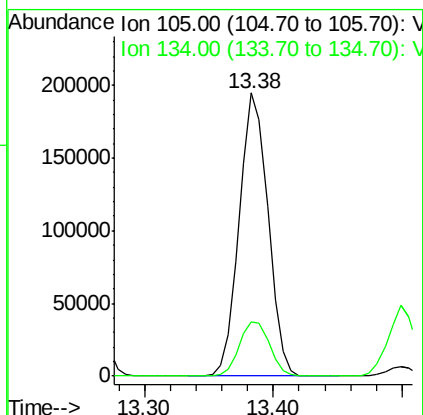
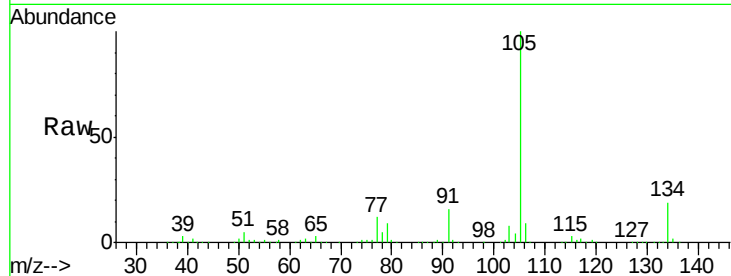




#85
 sec-Butylbenzene
 Concen: 19.665 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

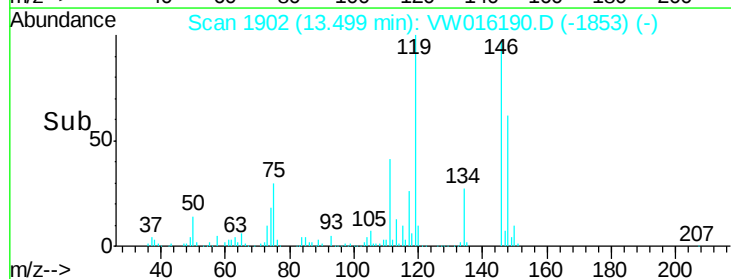
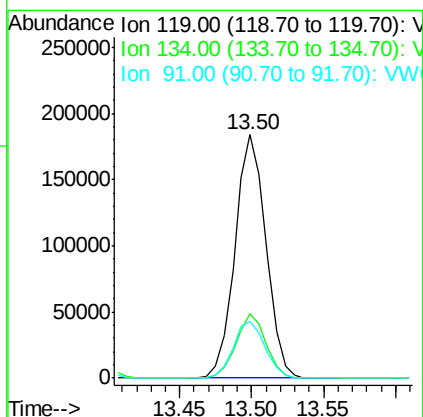
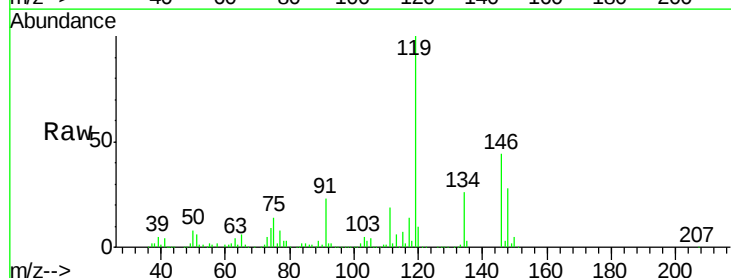
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

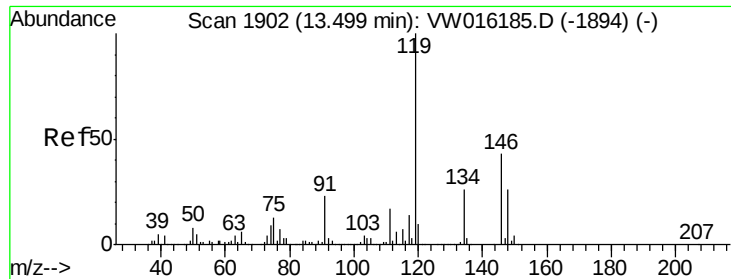
Tgt Ion:105 Resp: 302018
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.786 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion:119 Resp: 274843
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 23.8 11.8 35.3

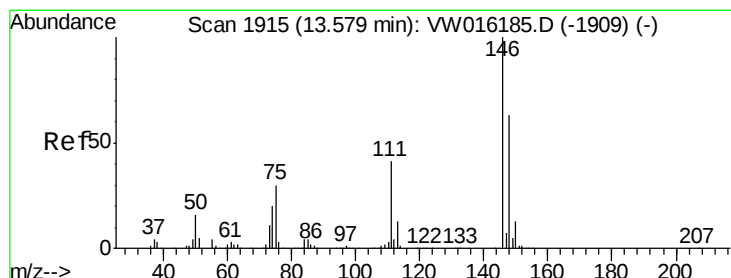
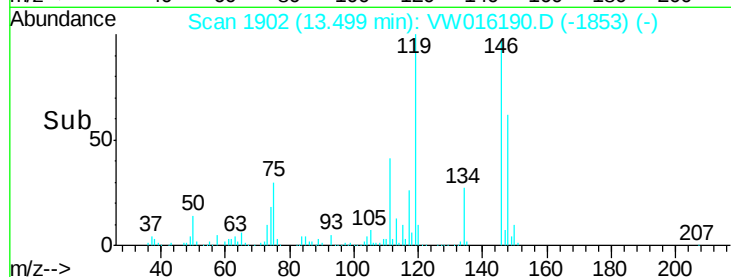
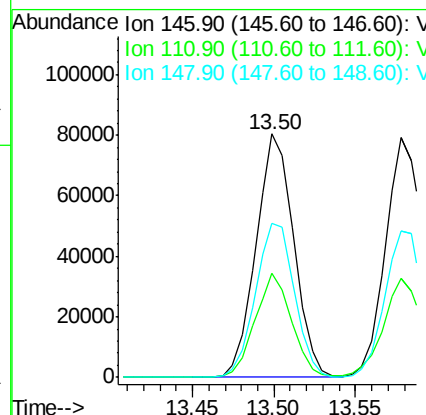
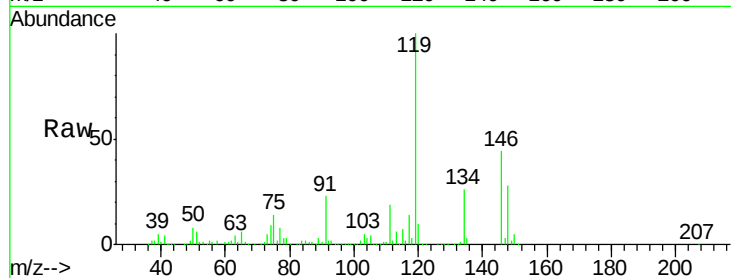




#87
 1,3-Dichlorobenzene
 Concen: 19.434 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

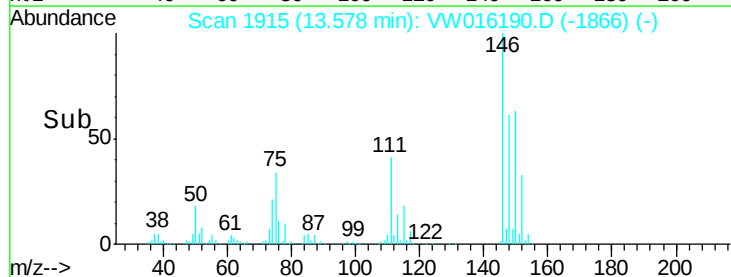
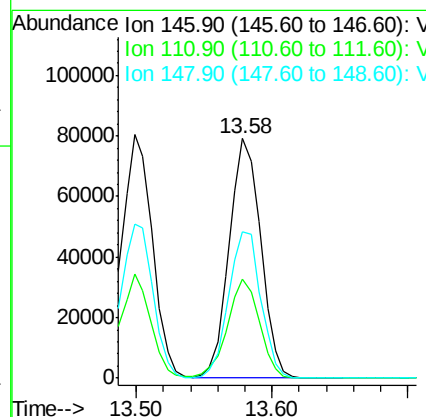
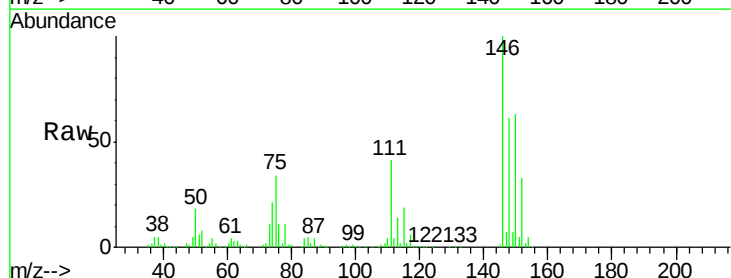
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

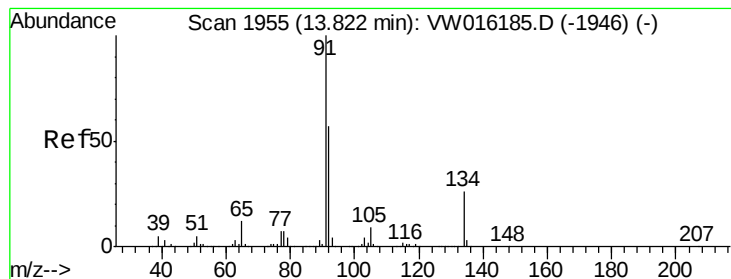
Tgt Ion:146 Resp: 129299
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.5
 148 65.1 31.1 93.5



#88
 1,4-Dichlorobenzene
 Concen: 19.480 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion:146 Resp: 127619
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.8 62.2
 148 62.8 32.1 96.3





#89

n-Butylbenzene

Concen: 20.034 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

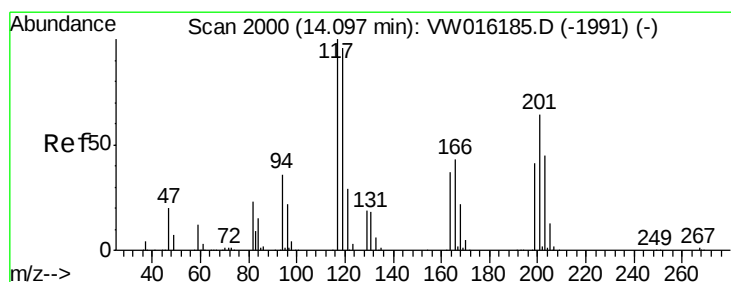
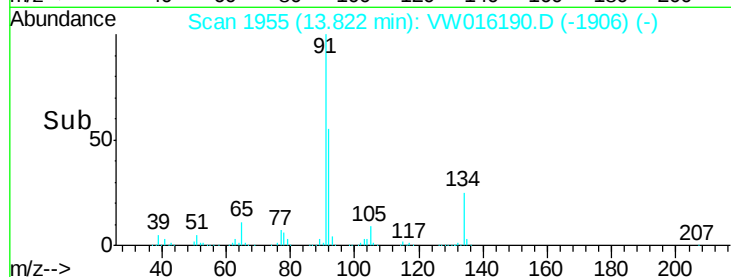
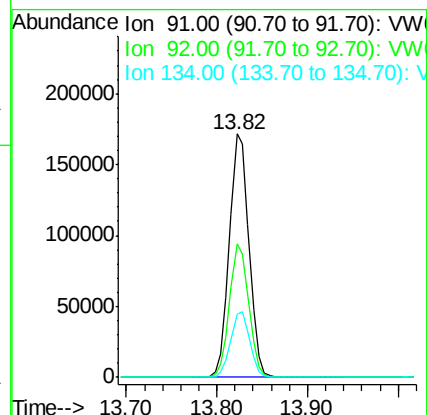
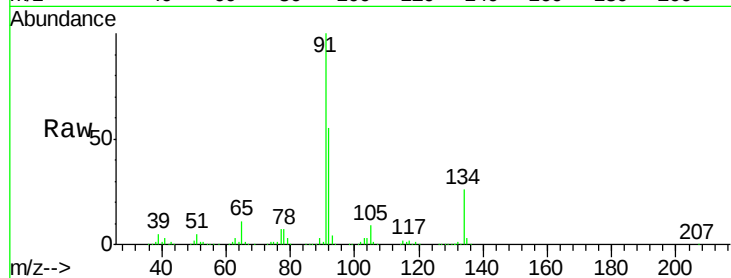
Tgt Ion: 91 Resp: 257448

Ion Ratio Lower Upper

91 100

92 53.7 27.4 82.2

134 26.4 13.0 39.0



#90

Hexachloroethane

Concen: 18.607 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW016190.D

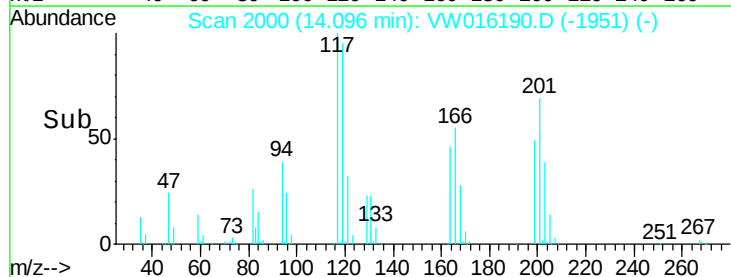
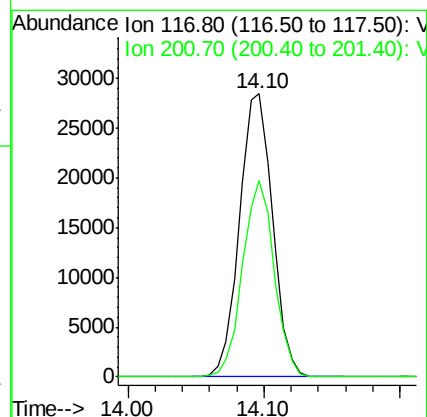
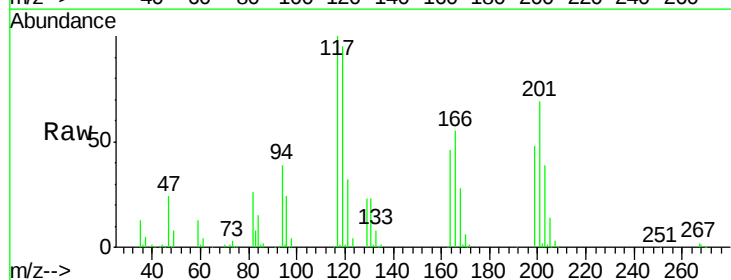
Acq: 14 Aug 2020 14:25

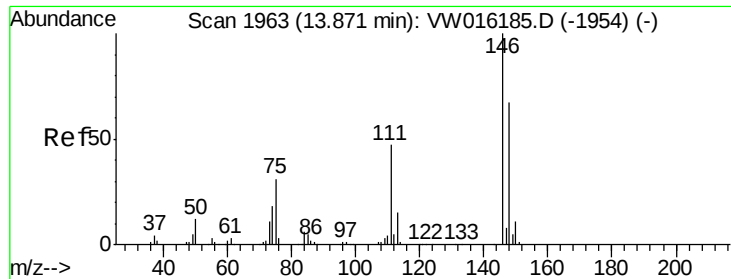
Tgt Ion: 117 Resp: 48236

Ion Ratio Lower Upper

117 100

201 66.3 33.8 101.3





#91

1,2-Dichlorobenzene

Concen: 19.626 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

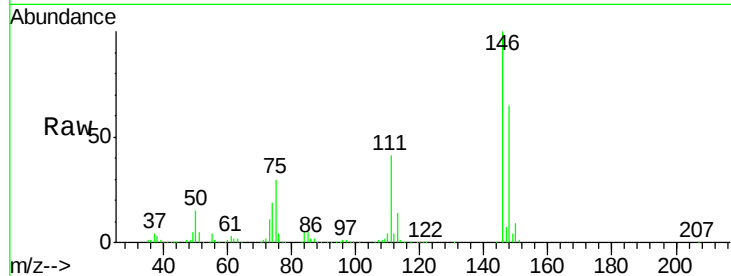
Tgt Ion:146 Resp: 113838

Ion Ratio Lower Upper

146 100

111 43.1 21.9 65.8

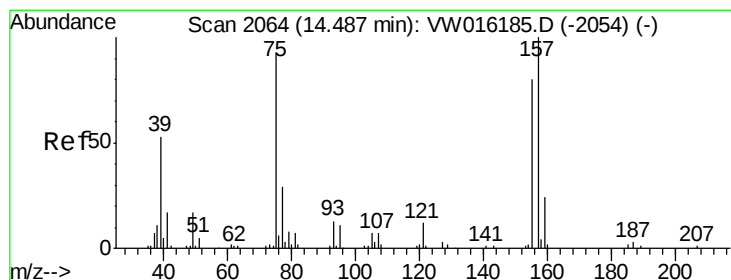
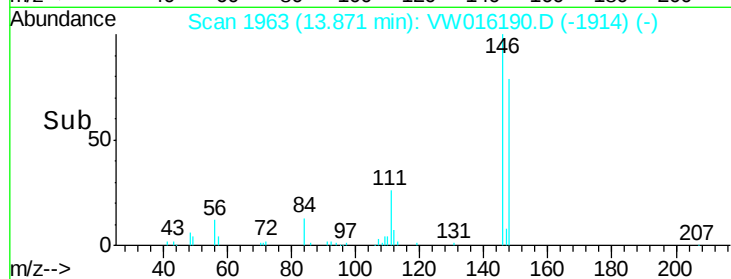
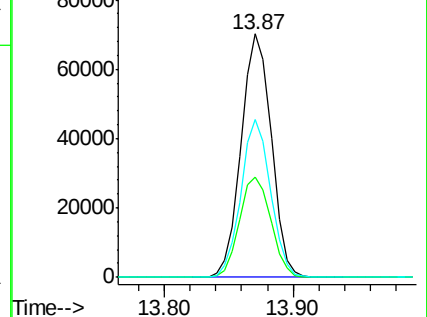
148 63.5 32.1 96.3



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: 20.171 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

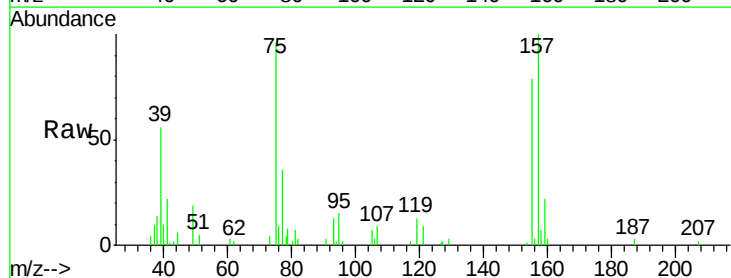
Tgt Ion: 75 Resp: 7793

Ion Ratio Lower Upper

75 100

155 81.0 41.3 124.1

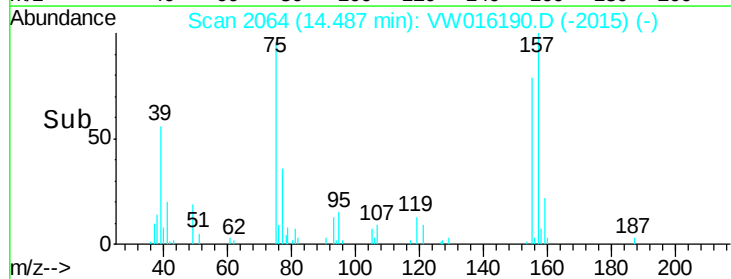
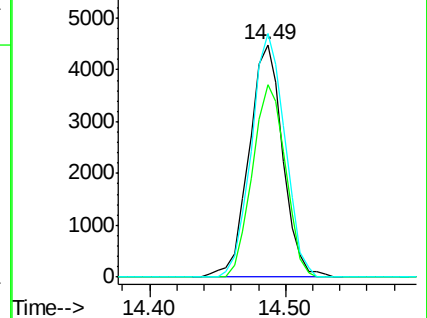
157 104.2 53.0 159.0

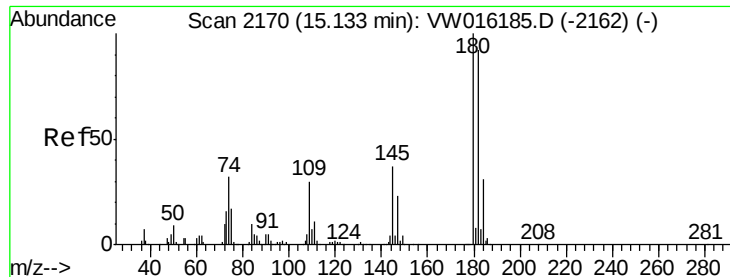


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

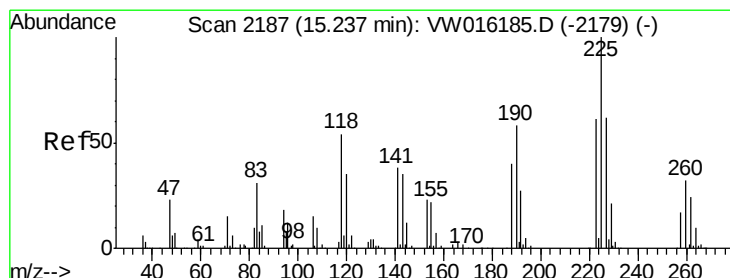
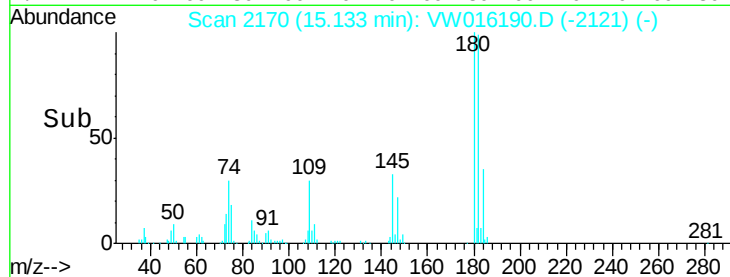
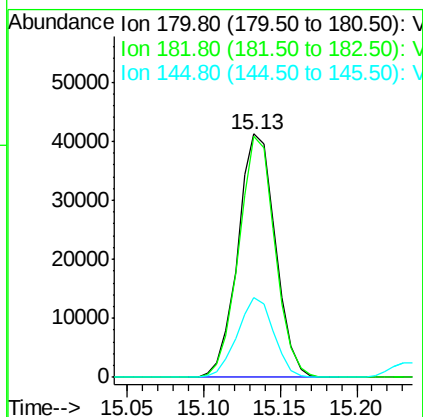
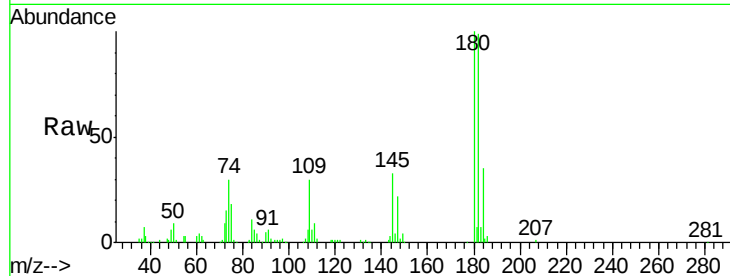




#93
 1,2,4-Trichlorobenzene
 Concen: 20.209 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

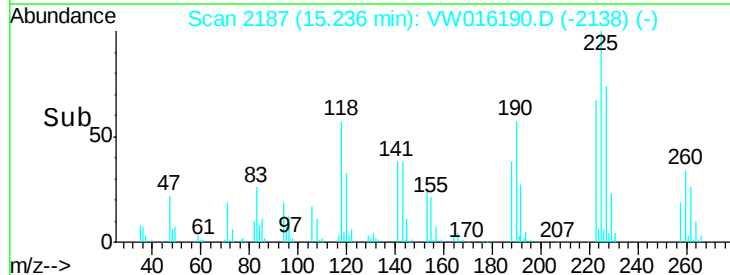
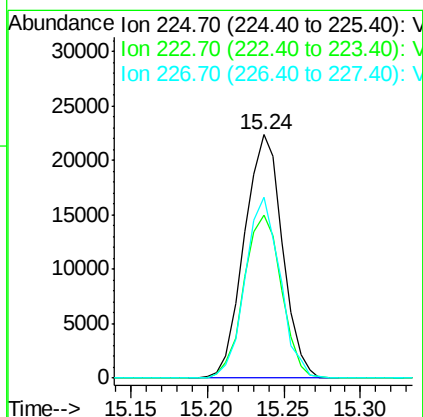
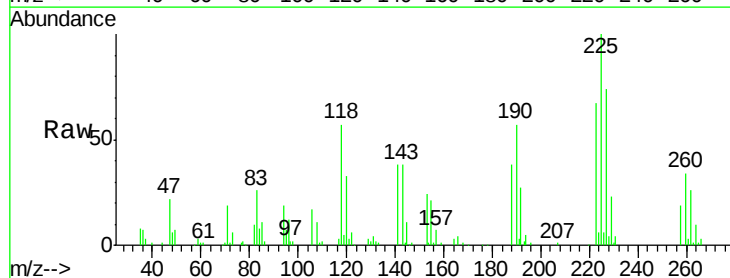
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

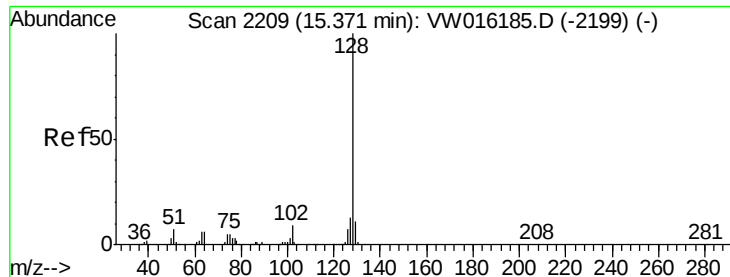
Tgt Ion:180 Resp: 69901
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.0 138.0
 145 32.0 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 18.866 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW016190.D
 Acq: 14 Aug 2020 14:25

Tgt Ion:225 Resp: 38798
 Ion Ratio Lower Upper
 225 100
 223 65.8 33.0 99.0
 227 68.1 32.0 96.2





#95

Naphthalene

Concen: 19.702 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VW0814SBS01

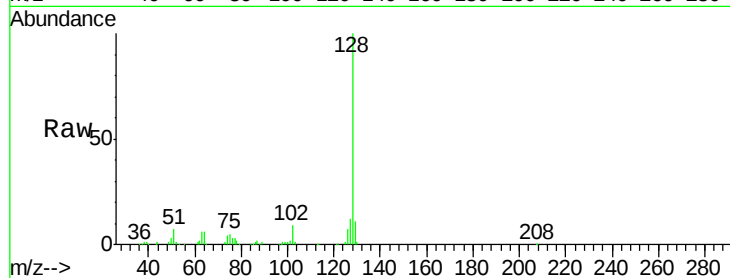
Tgt Ion:128 Resp: 125953

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

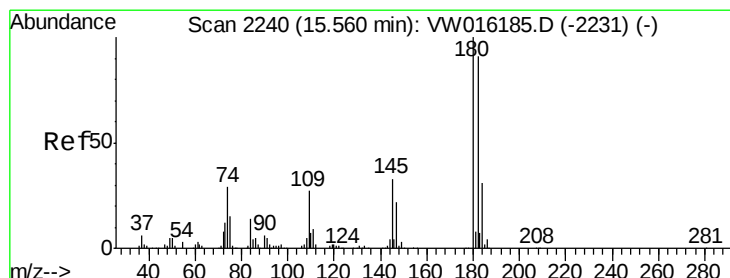
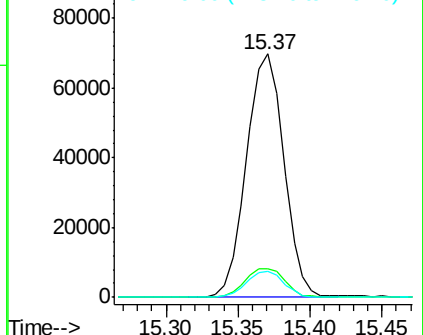
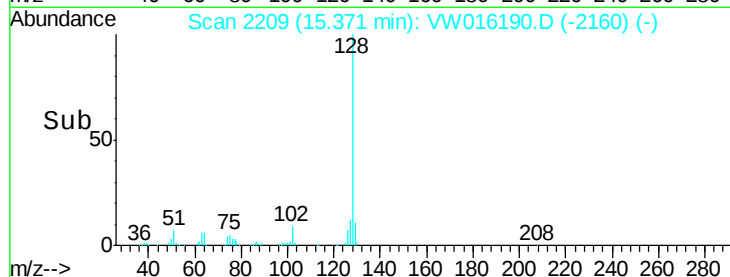
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.108 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016190.D

Acq: 14 Aug 2020 14:25

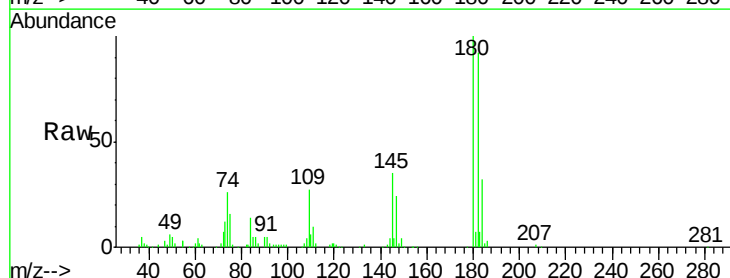
Tgt Ion:180 Resp: 59730

Ion Ratio Lower Upper

180 100

182 94.6 47.7 143.1

145 36.8 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

