

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016184.D
 Acq On : 14 Aug 2020 10:37
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 14 11:39:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 14 11:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	433895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189270	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49710	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	
35) Dibromofluoromethane	7.88	113	52003	19.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.98%	
50) Toluene-d8	10.33	98	199004	19.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.76%	
62) 4-Bromofluorobenzene	12.62	95	71769	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	34828	24.452	ug/l	95
3) Chloromethane	2.21	50	36330	19.264	ug/l	100
4) Vinyl Chloride	2.37	62	53489	18.692	ug/l	96
5) Bromomethane	2.78	94	32863	15.318	ug/l	97
6) Chloroethane	2.92	64	28916	15.311	ug/l	95
7) Trichlorofluoromethane	3.26	101	42623	20.546	ug/l	100
8) Diethyl Ether	3.68	74	26870	20.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57276	23.013	ug/l	99
10) Methyl Iodide	4.26	142	83878	23.984	ug/l	98
11) Tert butyl alcohol	5.24	59	13277	88.752	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	56998	23.117	ug/l	98
13) Acrolein	3.90	56	19921	105.219	ug/l	95
14) Allyl chloride	4.67	41	76961	19.863	ug/l	99
15) Acrylonitrile	5.38	53	50709	99.241	ug/l	99
16) Acetone	4.15	43	42938	84.672	ug/l	98
17) Carbon Disulfide	4.37	76	169459	23.186	ug/l	100
18) Methyl Acetate	4.68	43	22313	19.300	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72264	20.108	ug/l	98
20) Methylene Chloride	4.91	84	72055	23.963	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	63041	22.249	ug/l	98
22) Diisopropyl ether	6.31	45	152289	19.640	ug/l	96
23) Vinyl Acetate	6.26	43	423675	91.918	ug/l	98
24) 1,1-Dichloroethane	6.21	63	101959	20.511	ug/l	99
25) 2-Butanone	7.18	43	62388	91.041	ug/l	96
26) 2,2-Dichloropropane	7.17	77	65944	21.107	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	65554	21.780	ug/l	100
28) Bromochloromethane	7.51	49	39514	19.744	ug/l	98
29) Tetrahydrofuran	7.54	42	38659	92.911	ug/l	99
30) Chloroform	7.68	83	107282	21.061	ug/l	97
31) Cyclohexane	7.96	56	92183	19.653	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	90219	21.119	ug/l	98
36) 1,1-Dichloropropene	8.09	75	86007	20.295	ug/l	99
37) Ethyl Acetate	7.26	43	28532	17.374	ug/l	99
38) Carbon Tetrachloride	8.07	117	86130	20.903	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103154	20.540	ug/l	99
40) Benzene	8.33	78	240434	20.612	ug/l	100
41) Methacrylonitrile	7.49	41	16354	17.563	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64184	18.081	ug/l	99
43) Isopropyl Acetate	8.43	43	53181	16.776	ug/l	98
44) Trichloroethene	9.10	130	66439	21.371	ug/l	91
45) 1,2-Dichloropropane	9.37	63	56921	19.947	ug/l	98
46) Dibromomethane	9.46	93	29604	20.027	ug/l	98
47) Bromodichloromethane	9.65	83	76958	20.248	ug/l	98
48) Methyl methacrylate	9.44	41	24693	17.045	ug/l	97
49) 1,4-Dioxane	9.49	88	7057	380.918	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	139155	89.592	ug/l	99
52) Toluene	10.39	92	155512	20.680	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	69918	19.227	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	88247	20.154	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43401	21.158	ug/l	96
56) Ethyl methacrylate	10.65	69	47380	18.791	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73421	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	117715	96.652	ug/l	99
59) 2-Hexanone	10.98	43	92968	89.460	ug/l	100
60) Dibromochloromethane	11.13	129	50635	21.194	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40975	20.674	ug/l	99
64) Tetrachloroethene	10.87	164	52519	21.009	ug/l	92
65) Chlorobenzene	11.66	112	166135	21.559	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57601	21.140	ug/l	100
67) Ethyl Benzene	11.73	91	292892	20.524	ug/l	98
68) m/p-Xylenes	11.84	106	230837	43.060	ug/l	99
69) o-Xylene	12.17	106	101334	20.746	ug/l	97
70) Styrene	12.18	104	178407	21.207	ug/l	100
71) Bromoform	12.35	173	25015	20.165	ug/l #	99
73) Isopropylbenzene	12.47	105	288219	21.451	ug/l	100
74) N-amyl acetate	12.27	43	49880	17.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	46466	20.666	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	59243	35.357	ug/l	33
77) Bromobenzene	12.75	156	62382	20.757	ug/l	98
78) n-propylbenzene	12.80	91	342983	21.107	ug/l	100
79) 2-Chlorotoluene	12.90	91	196331	21.158	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	251946	21.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13303	19.994	ug/l	94
82) 4-Chlorotoluene	12.99	91	207046	21.331	ug/l	100
83) tert-Butylbenzene	13.21	119	197972	20.824	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	249414	21.769	ug/l	99
85) sec-Butylbenzene	13.38	105	296740	21.596	ug/l	99
86) p-Isopropyltoluene	13.50	119	269245	21.457	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	127925	21.194	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125113	21.215	ug/l	98
89) n-Butylbenzene	13.83	91	247510	20.781	ug/l	99
90) Hexachloroethane	14.10	117	47767	21.079	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113442	21.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6949	19.414	ug/l	97

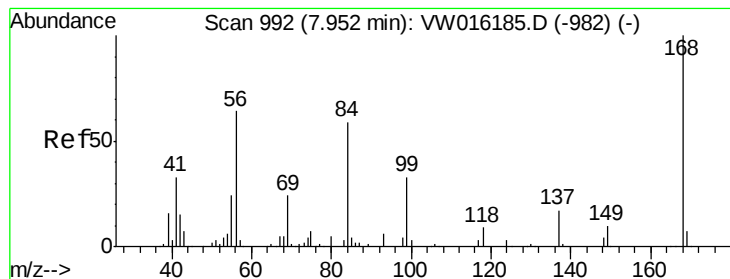
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67028	20.499	ug/l	100
94) Hexachlorobutadiene	15.24	225	37097	18.187	ug/l	96
95) Naphthalene	15.37	128	113600	20.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55190	19.603	ug/l	98

(#) = 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: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

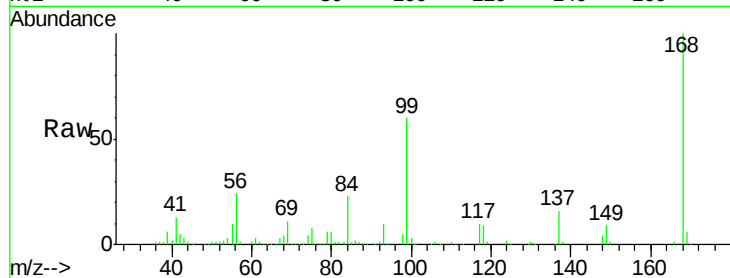
VSTDIC020

Tgt Ion:168 Resp: 264190

Ion Ratio Lower Upper

168 100

99 60.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

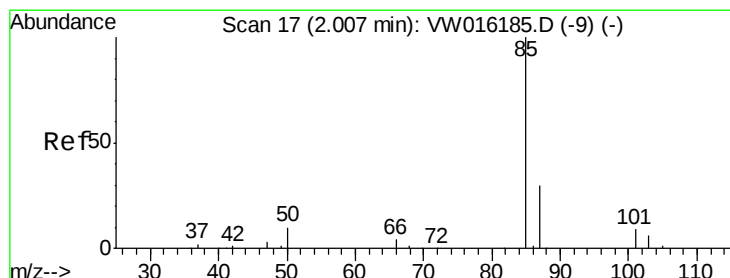
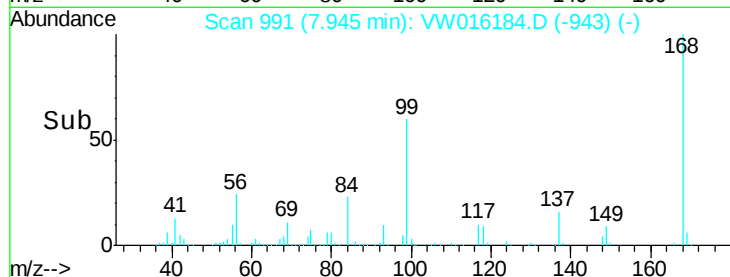
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.452 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016184.D

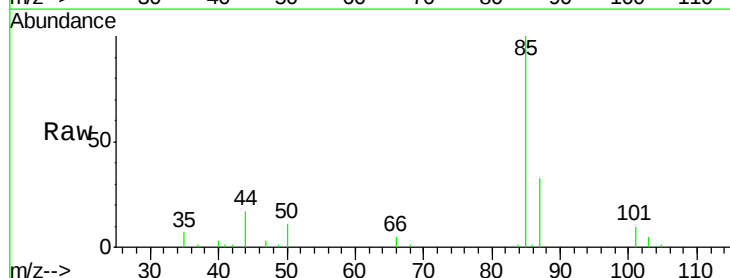
Acq: 14 Aug 2020 10:37

Tgt Ion: 85 Resp: 34828

Ion Ratio Lower Upper

85 100

87 32.6 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

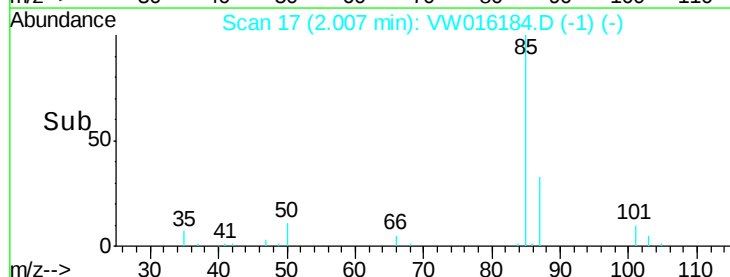
2.01

10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.264 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

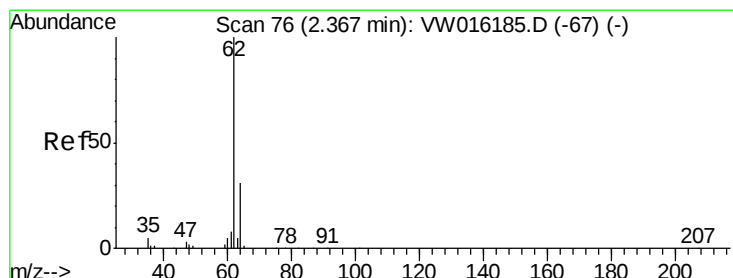
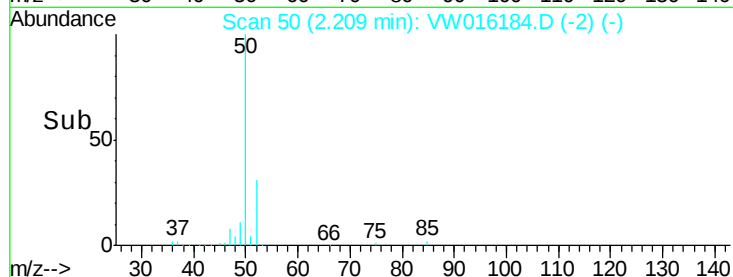
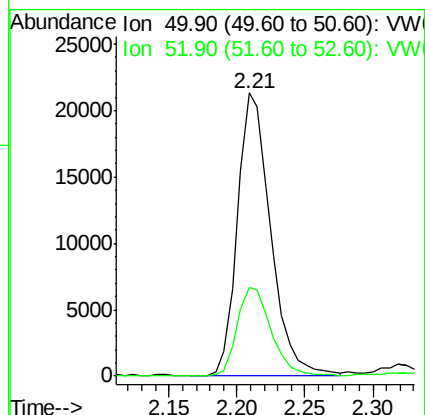
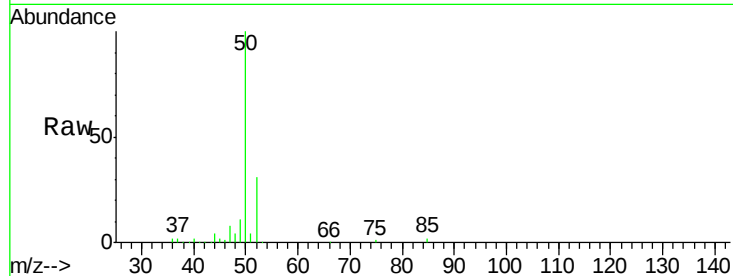
VSTDIC020

Tgt Ion: 50 Resp: 36330

Ion Ratio Lower Upper

50 100

52 31.4 25.3 37.9



#4

Vinyl Chloride

Concen: 18.692 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016184.D

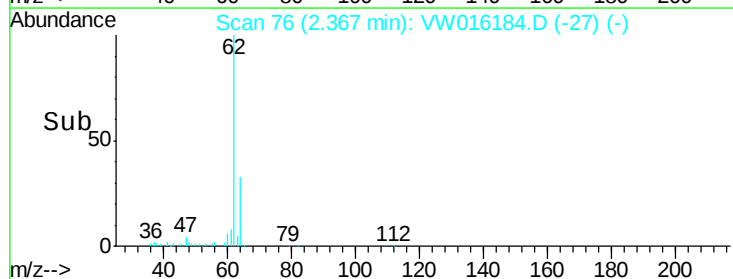
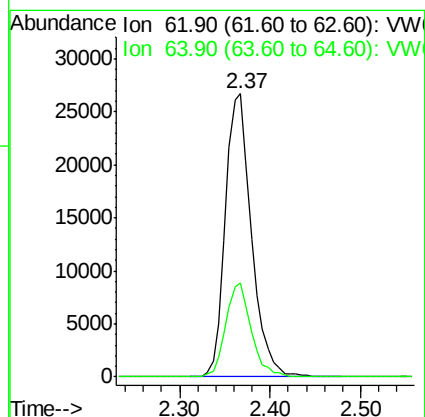
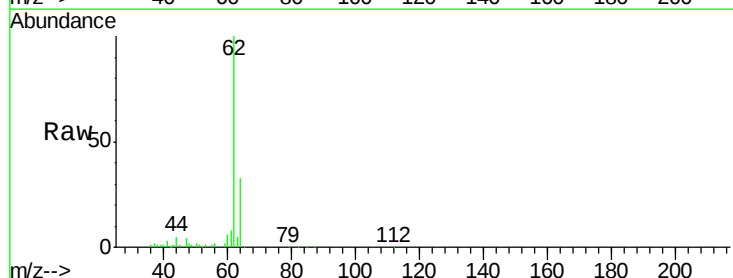
Acq: 14 Aug 2020 10:37

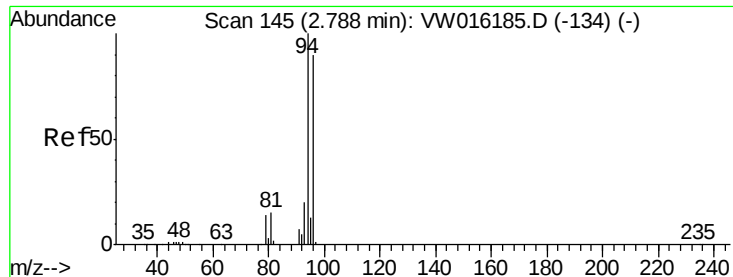
Tgt Ion: 62 Resp: 53489

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 15.318 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

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ClientSampleId :

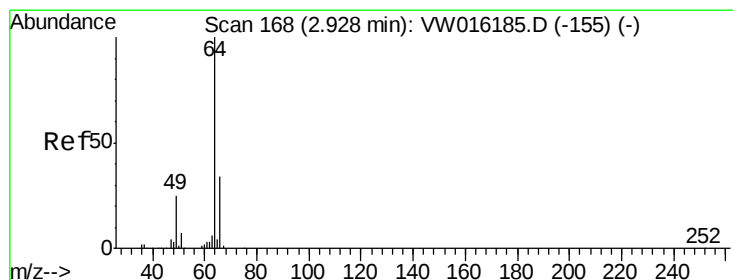
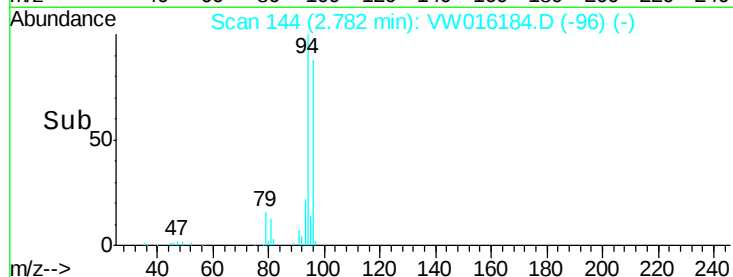
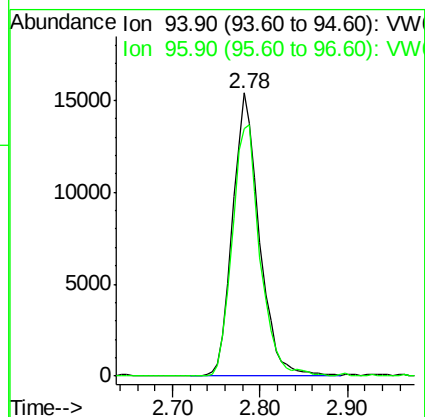
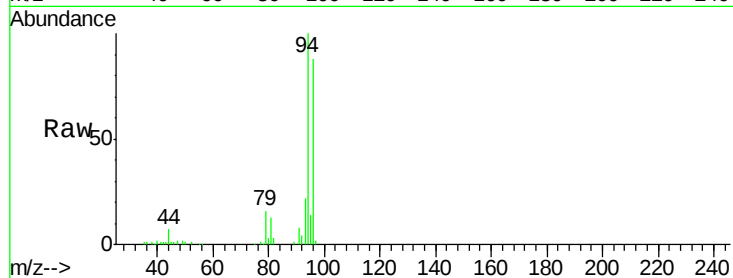
VSTDIC020

Tgt Ion: 94 Resp: 32863

Ion Ratio Lower Upper

94 100

96 87.3 71.8 107.6



#6

Chloroethane

Concen: 15.311 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016184.D

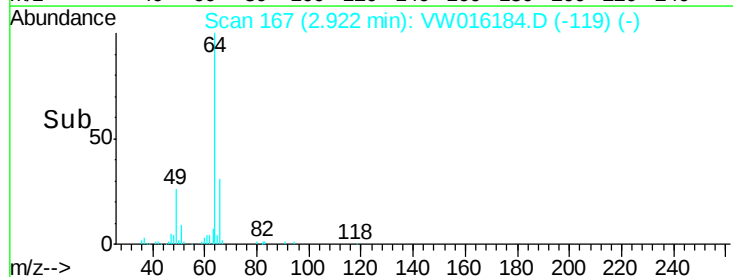
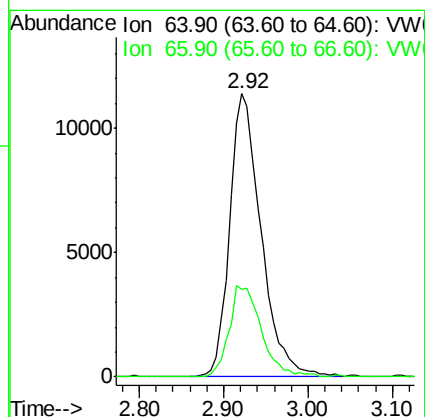
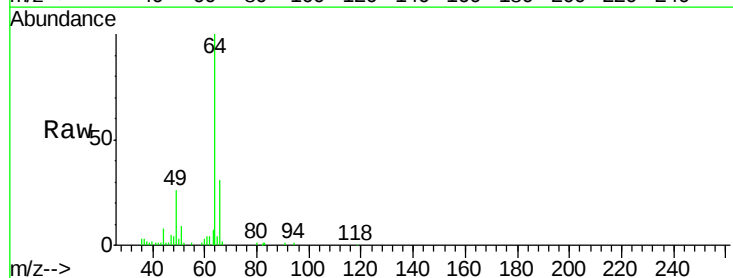
Acq: 14 Aug 2020 10:37

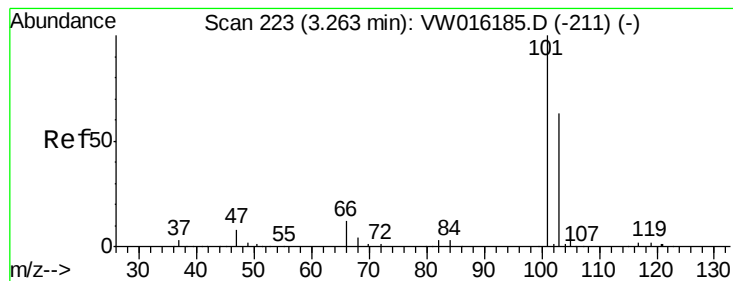
Tgt Ion: 64 Resp: 28916

Ion Ratio Lower Upper

64 100

66 31.0 26.9 40.3



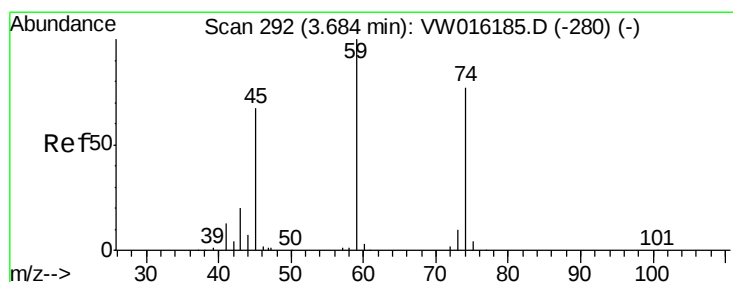
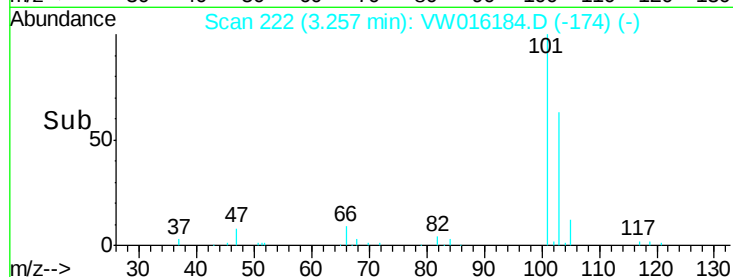
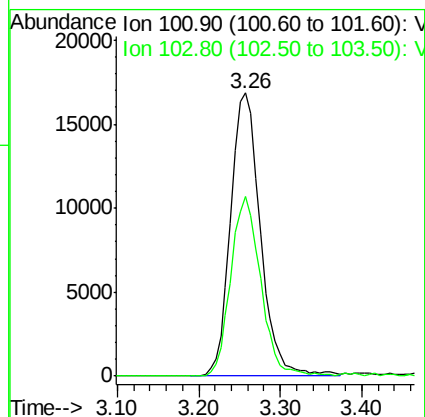
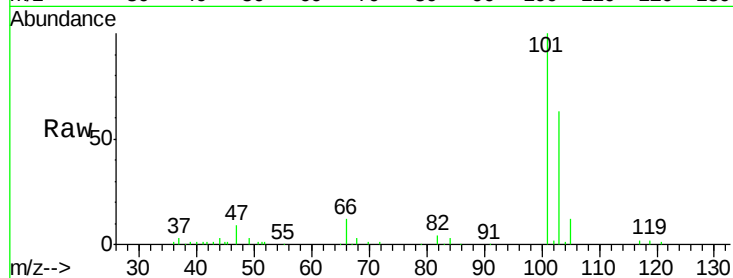


#7

Trichlorofluoromethane
 Concen: 20.546 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016184.D
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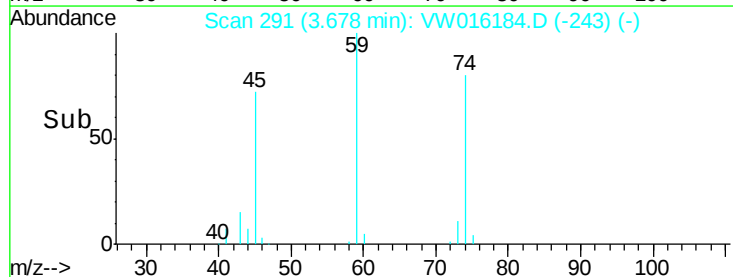
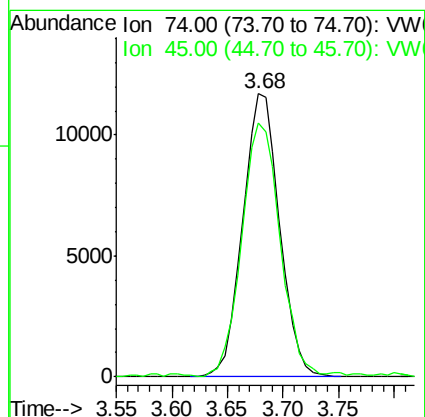
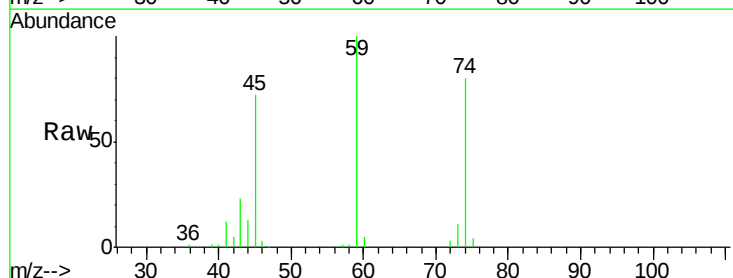
Tgt Ion: 101 Resp: 42623
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.4 75.6

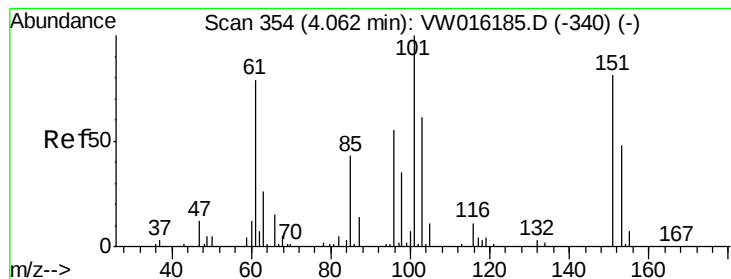


#8

Diethyl Ether
 Concen: 20.445 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 74 Resp: 26870
 Ion Ratio Lower Upper
 74 100
 45 94.0 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.013 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

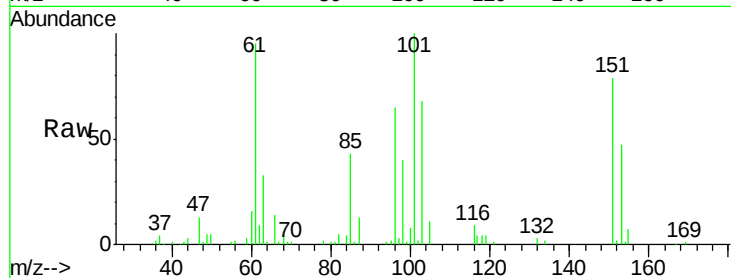
Tgt Ion:101 Resp: 57276

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

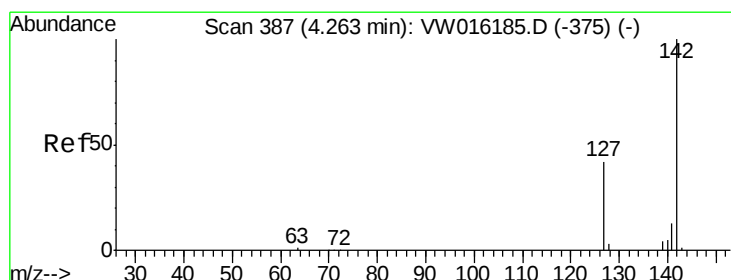
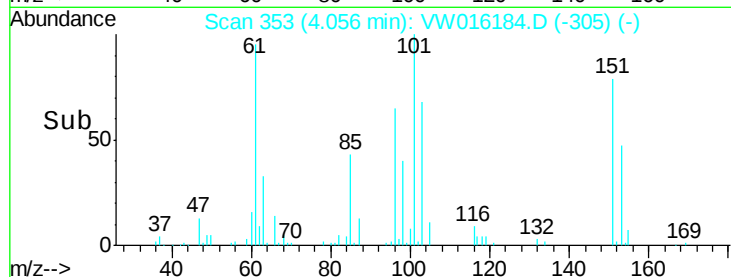
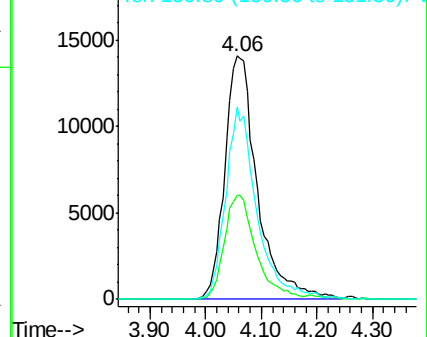
151 75.2 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.984 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

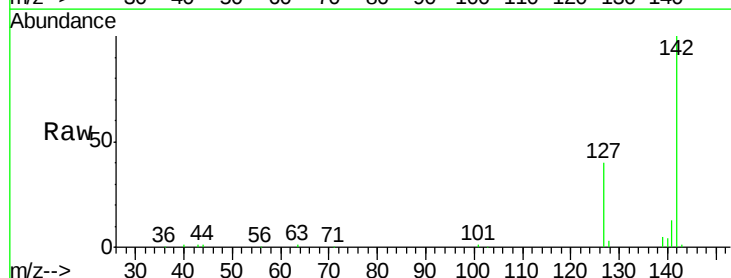
Tgt Ion:142 Resp: 83878

Ion Ratio Lower Upper

142 100

127 41.9 34.6 52.0

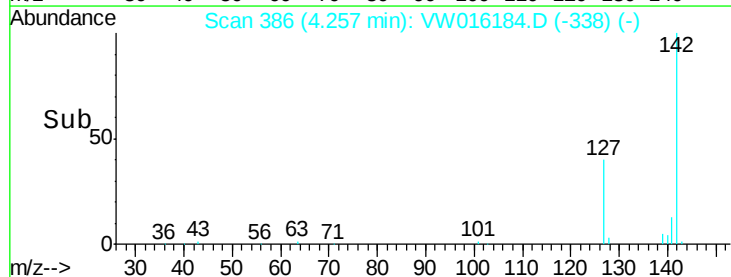
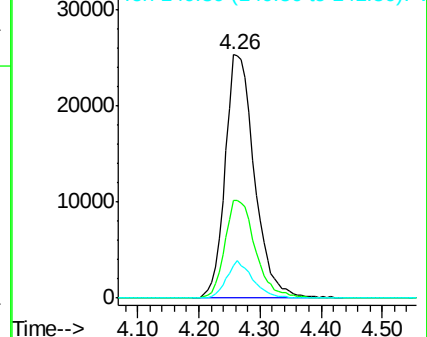
141 13.7 11.4 17.2

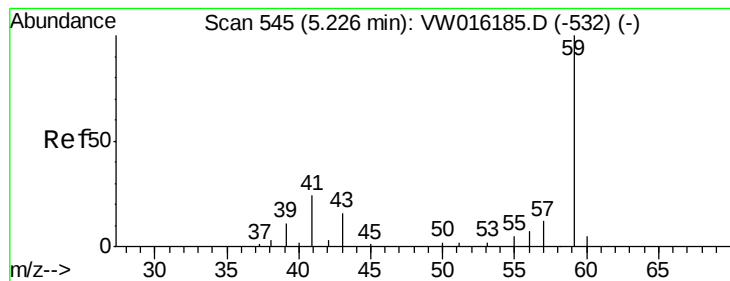


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



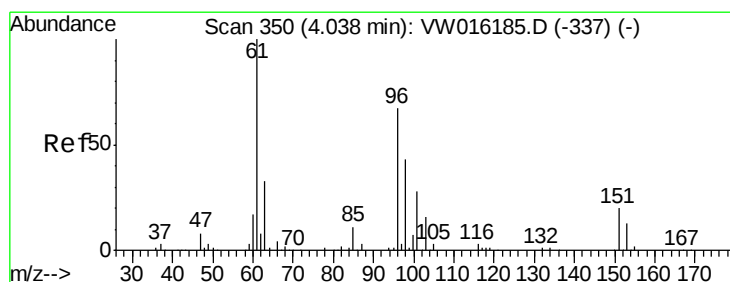
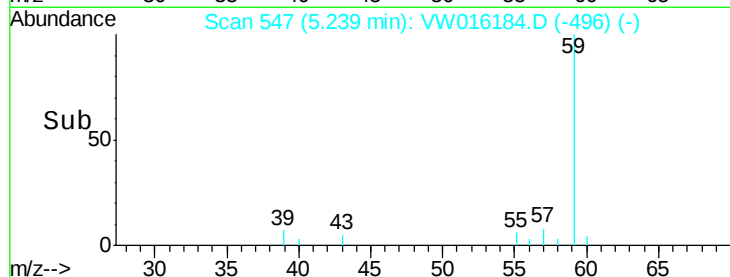
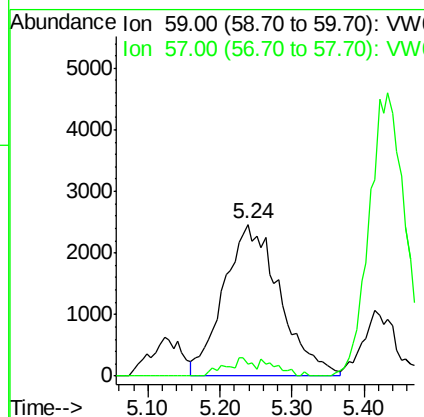
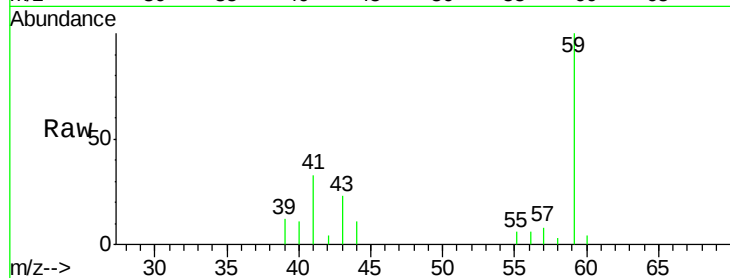


#11

Tert butyl alcohol
 Concen: 88.752 ug/l
 RT: 5.24 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

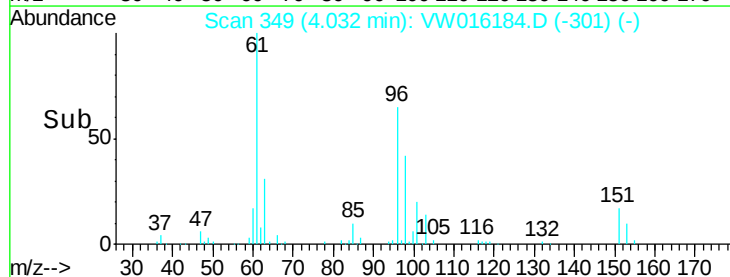
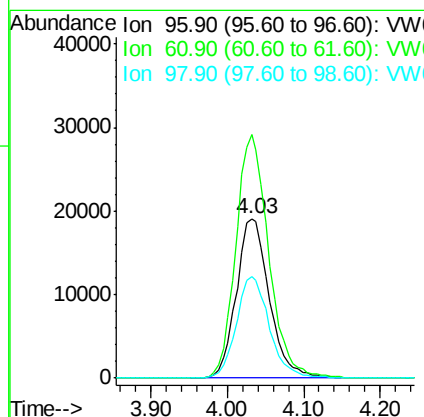
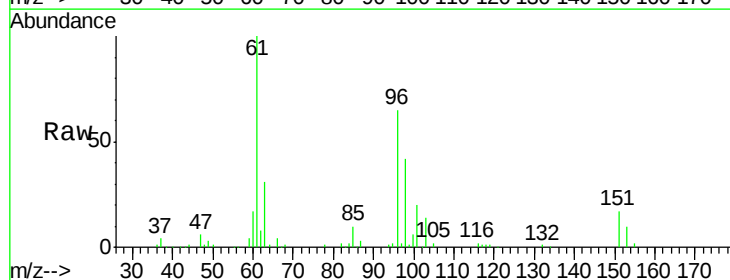
Tgt Ion: 59 Resp: 13277
 Ion Ratio Lower Upper
 59 100
 57 5.6 9.0 13.6#

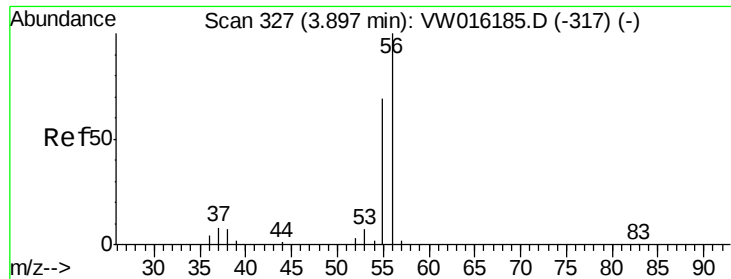


#12

1,1-Dichloroethene
 Concen: 23.117 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 96 Resp: 56998
 Ion Ratio Lower Upper
 96 100
 61 152.9 119.5 179.3
 98 63.7 51.3 76.9





#13

Acrolein

Concen: 105.219 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

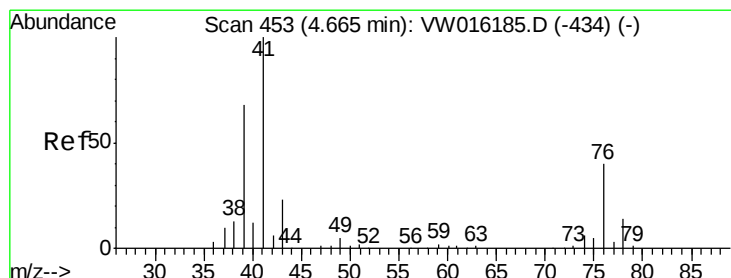
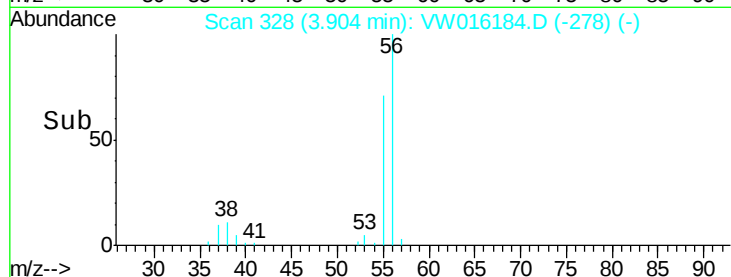
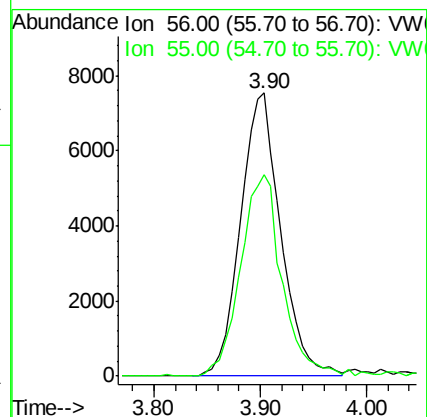
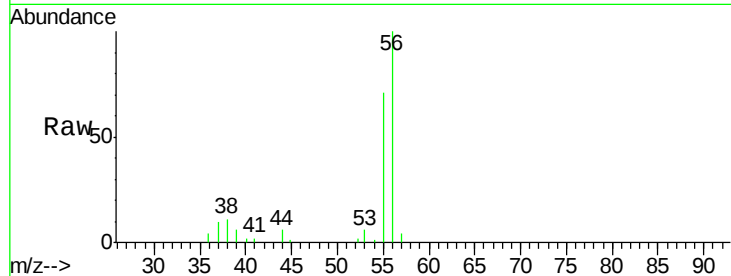
VSTDIC020

Tgt Ion: 56 Resp: 19921

Ion Ratio Lower Upper

56 100

55 72.9 55.0 82.6



#14

Allyl chloride

Concen: 19.863 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

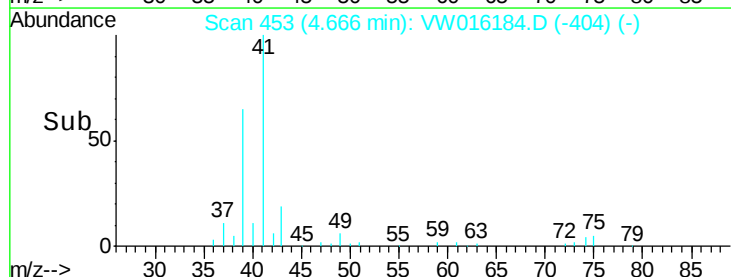
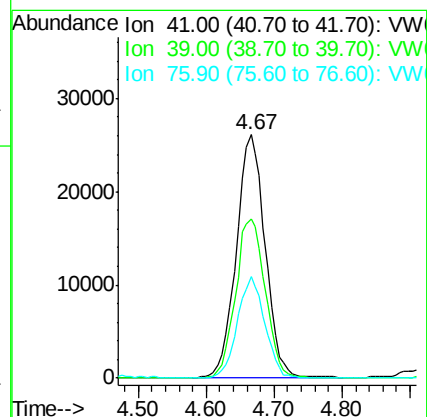
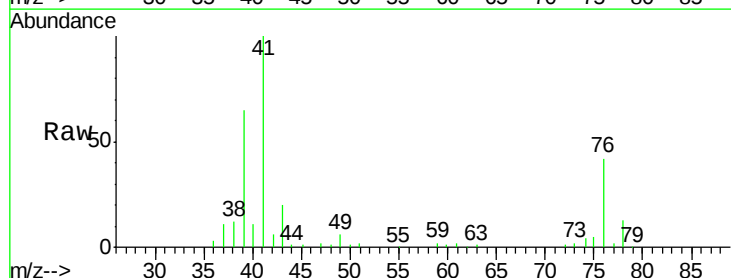
Tgt Ion: 41 Resp: 76961

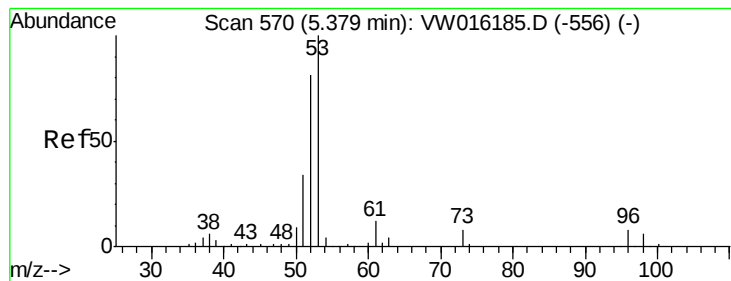
Ion Ratio Lower Upper

41 100

39 67.2 53.4 80.0

76 39.7 32.0 48.0





#15

Acrylonitrile

Concen: 99.241 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

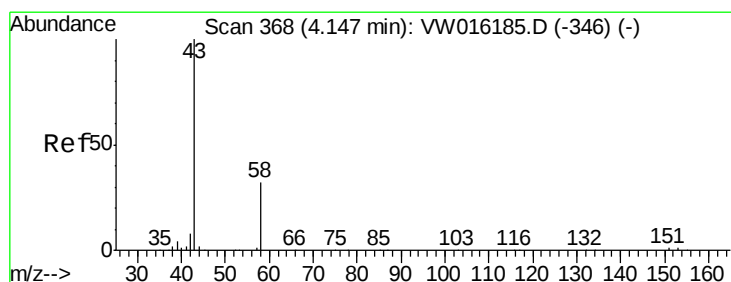
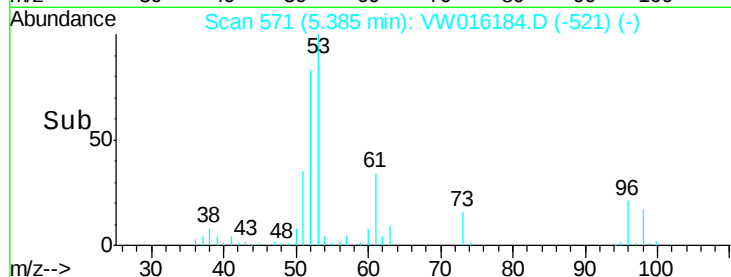
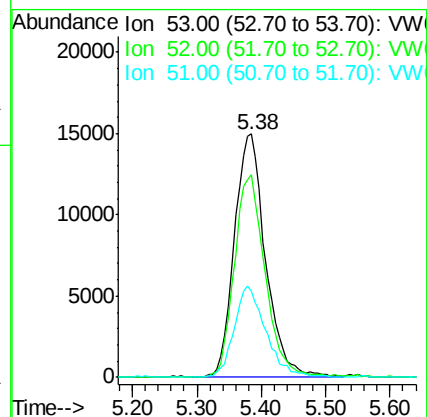
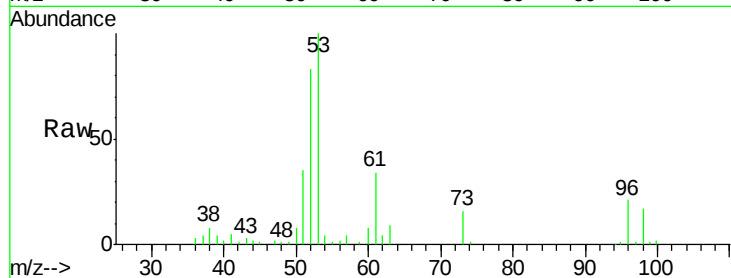
Tgt Ion: 53 Resp: 50709

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

51 37.7 29.0 43.4



#16

Acetone

Concen: 84.672 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW016184.D

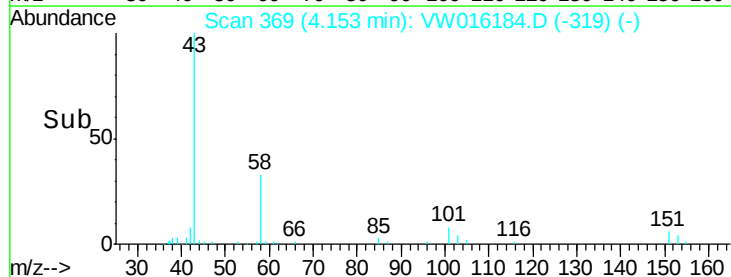
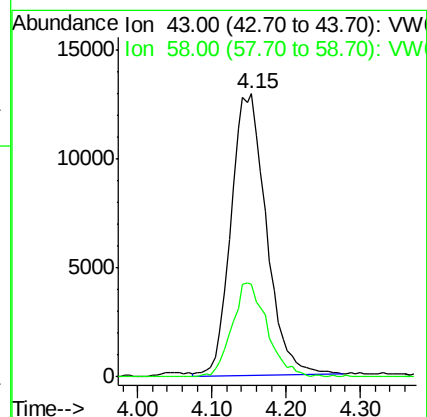
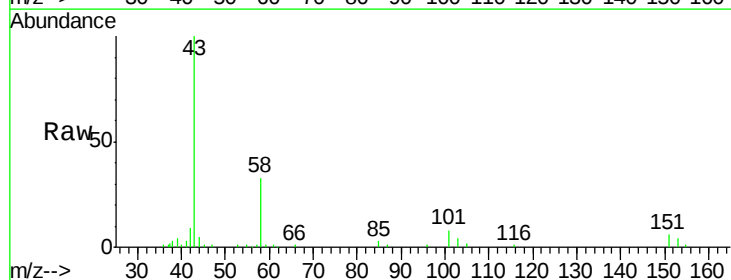
Acq: 14 Aug 2020 10:37

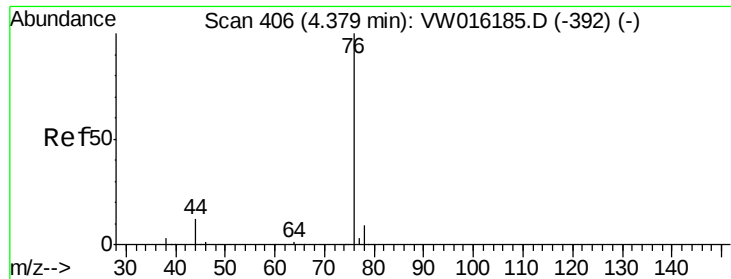
Tgt Ion: 43 Resp: 42938

Ion Ratio Lower Upper

43 100

58 33.2 25.8 38.6

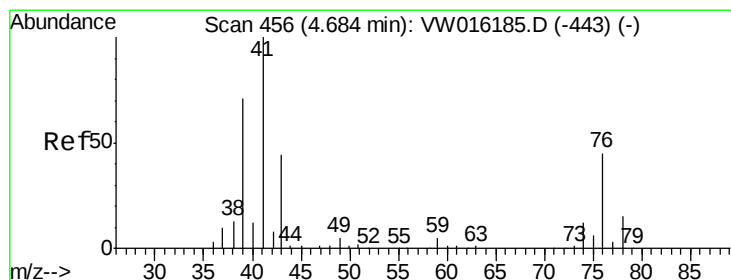
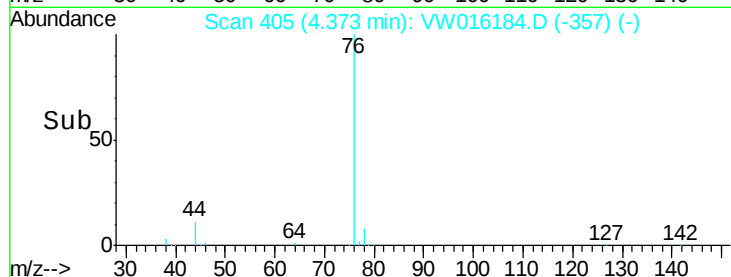
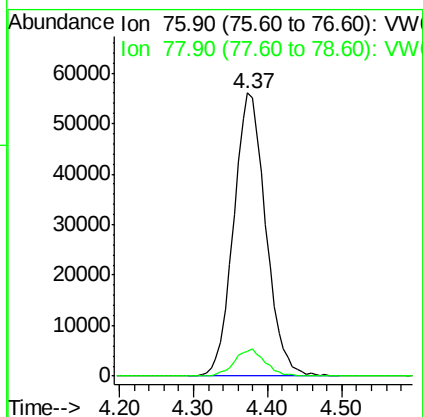
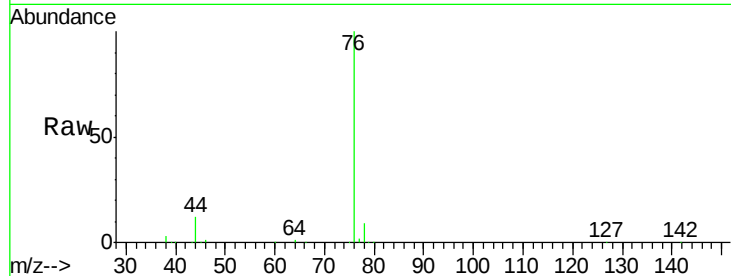




#17
Carbon Disulfide
Concen: 23.186 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

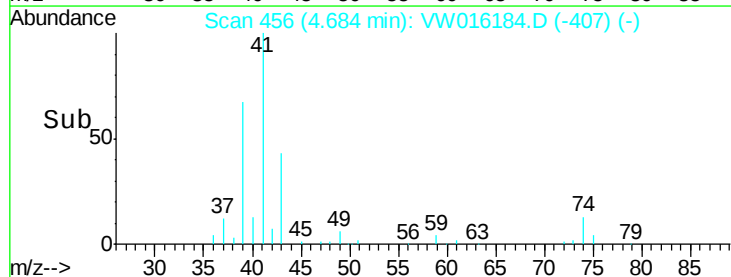
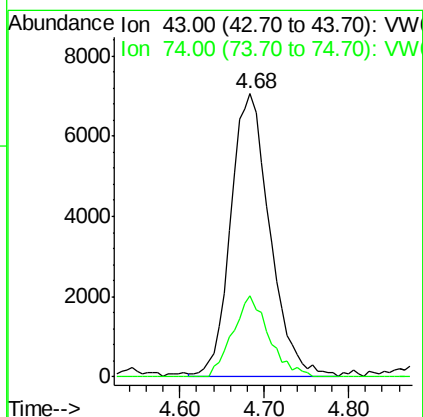
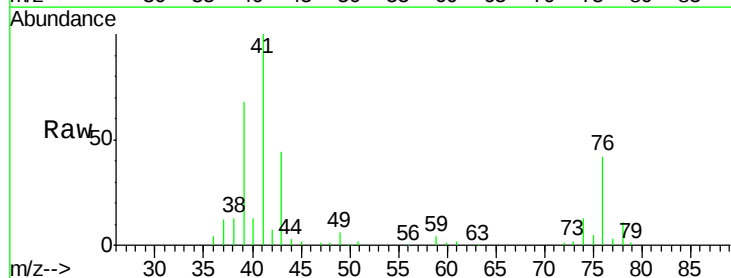
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

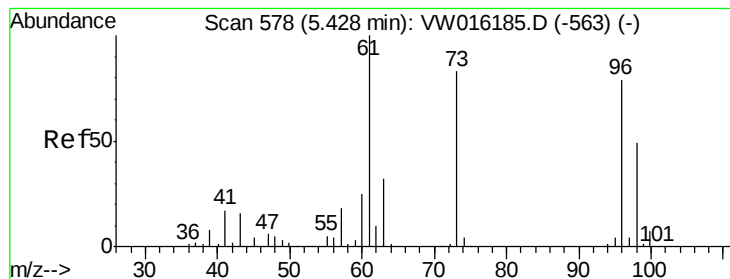
Tgt Ion: 76 Resp: 169459
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 19.300 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 43 Resp: 22313
Ion Ratio Lower Upper
43 100
74 26.3 20.6 31.0



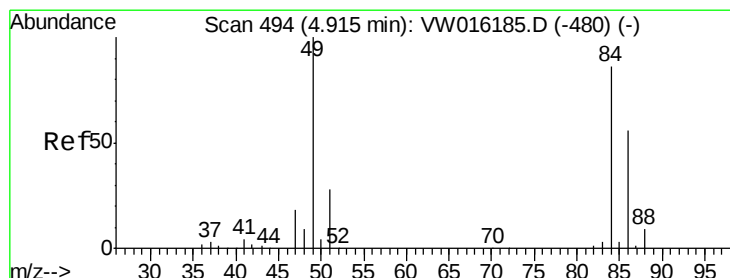
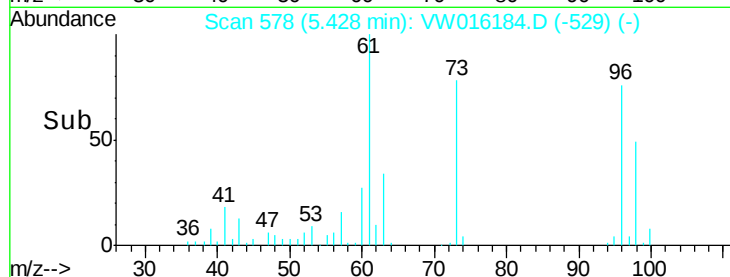
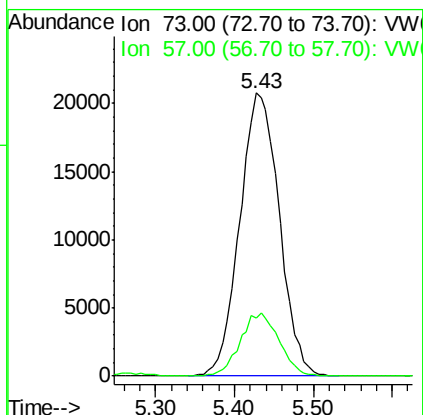
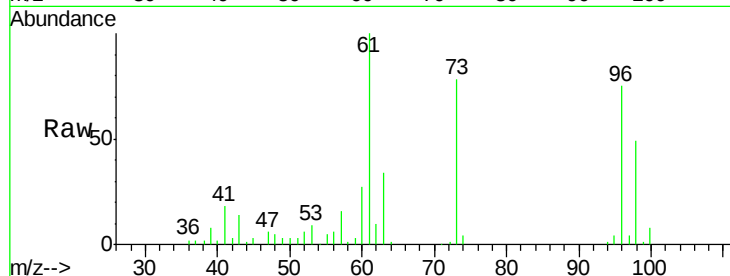


#19

Methyl tert-butyl Ether
 Concen: 20.108 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

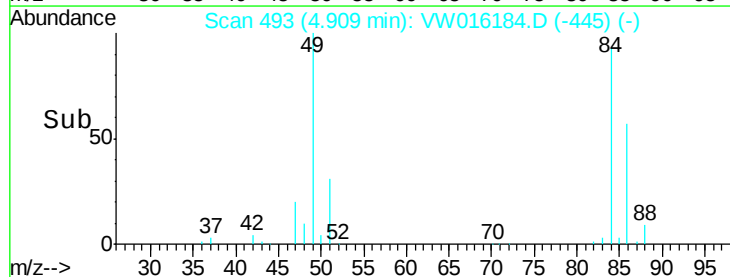
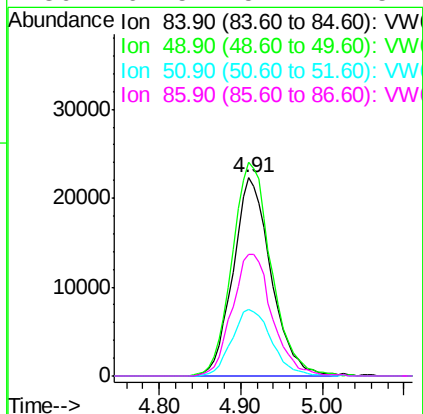
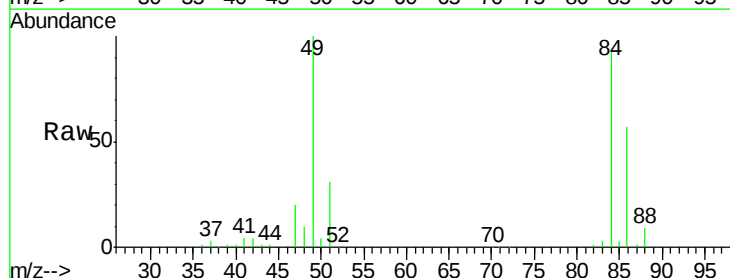
Tgt Ion: 73 Resp: 72264
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.2 25.8

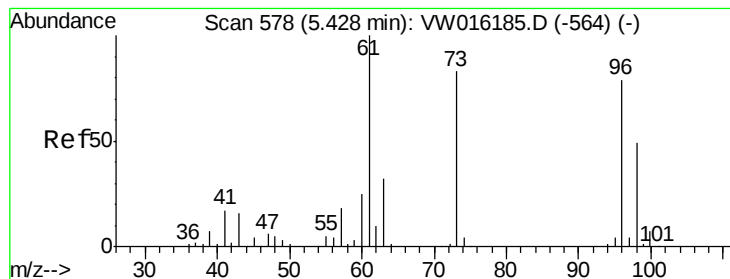


#20

Methylene Chloride
 Concen: 23.963 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 84 Resp: 72055
 Ion Ratio Lower Upper
 84 100
 49 107.7 93.4 140.2
 51 33.4 26.6 40.0
 86 61.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 22.249 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

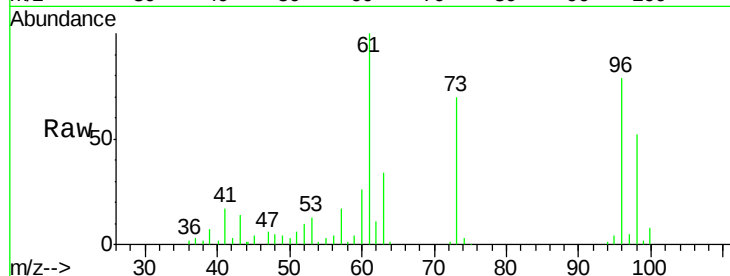
Tgt Ion: 96 Resp: 63041

Ion Ratio Lower Upper

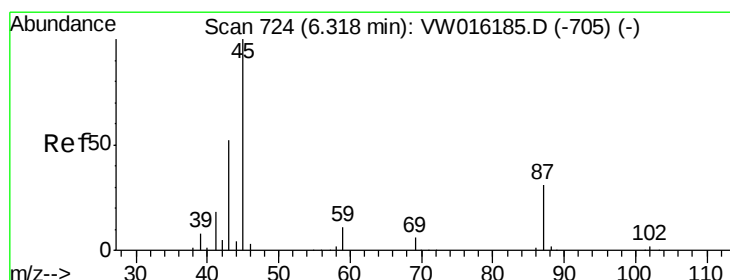
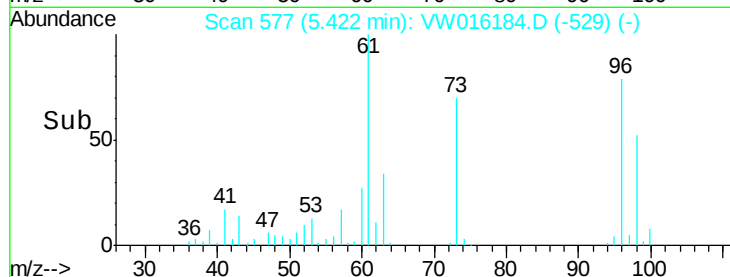
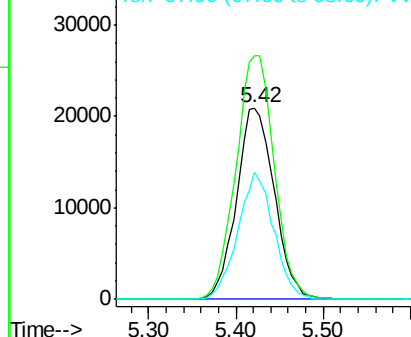
96 100

61 127.4 101.4 152.0

98 66.2 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: 19.640 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion: 45 Resp: 152289

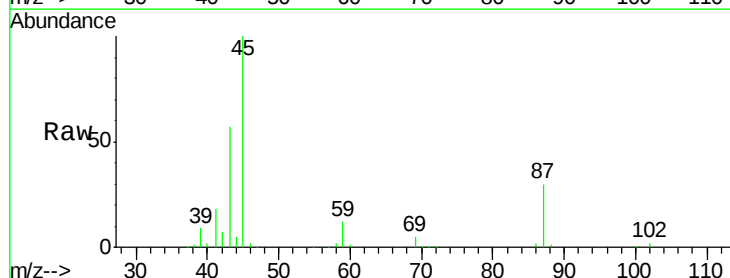
Ion Ratio Lower Upper

45 100

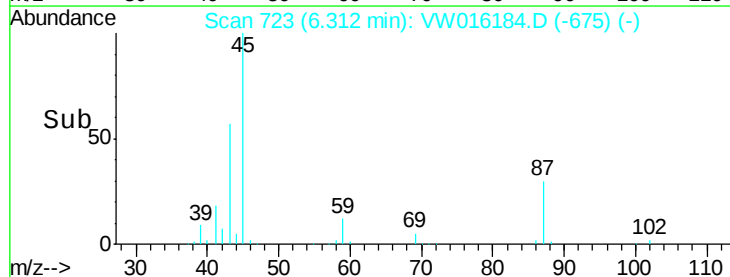
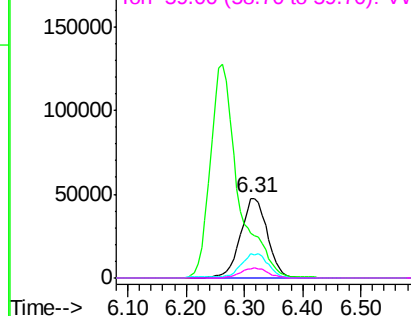
43 56.1 41.7 62.5

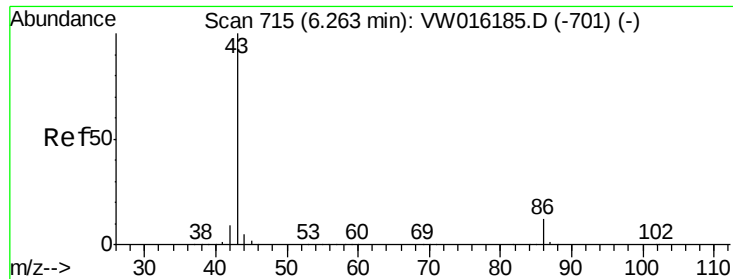
87 30.4 25.0 37.6

59 12.0 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

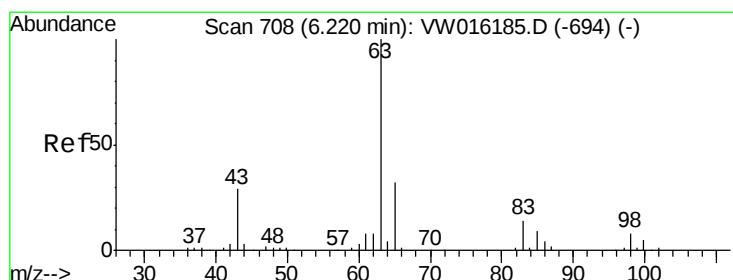
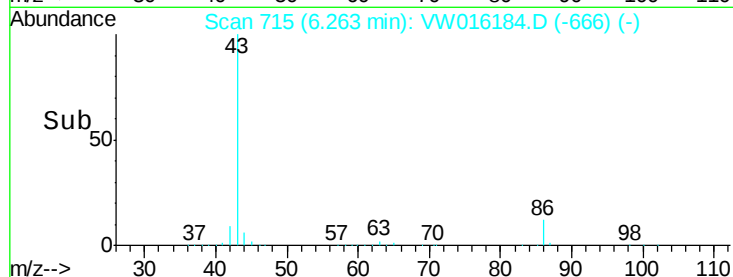
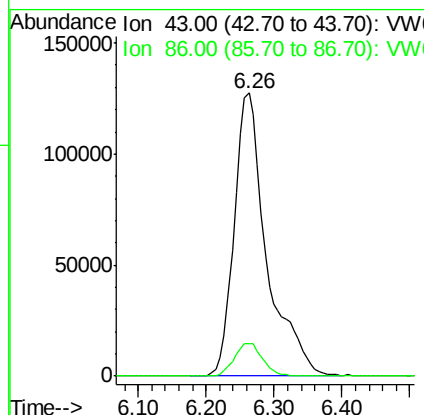
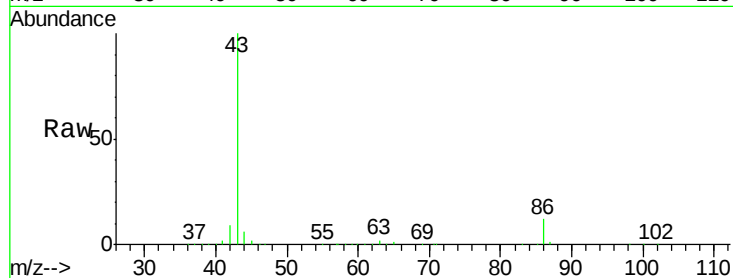




#23
 Vinyl Acetate
 Concen: 91.918 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

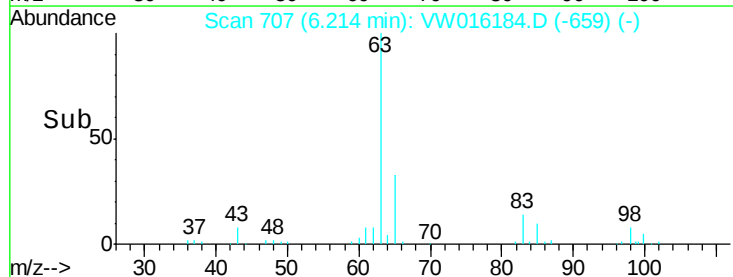
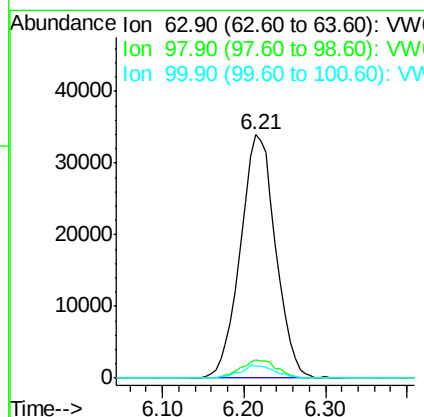
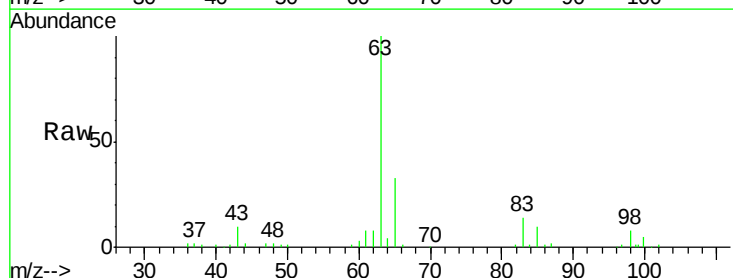
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

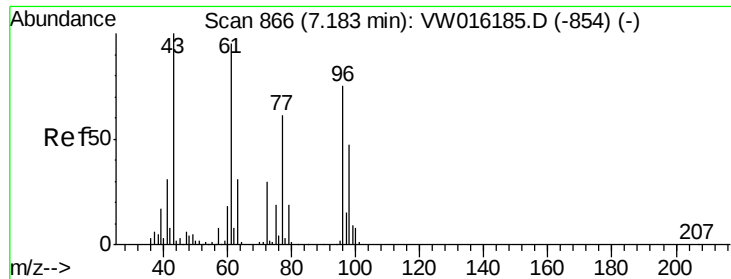
Tgt Ion: 43 Resp: 423675
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 20.511 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 63 Resp: 101959
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.7
 100 5.0 2.6 8.0

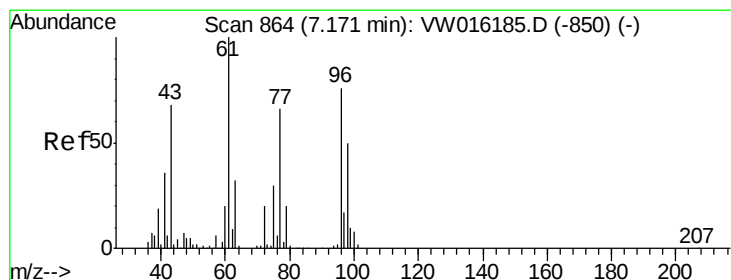
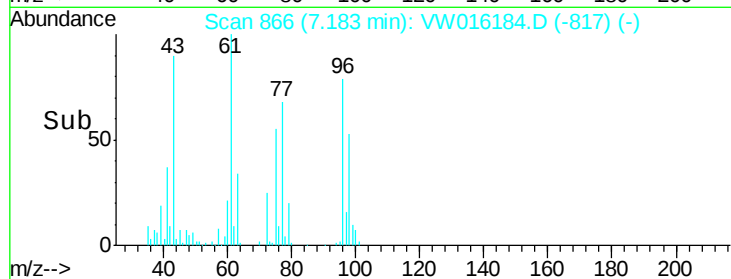
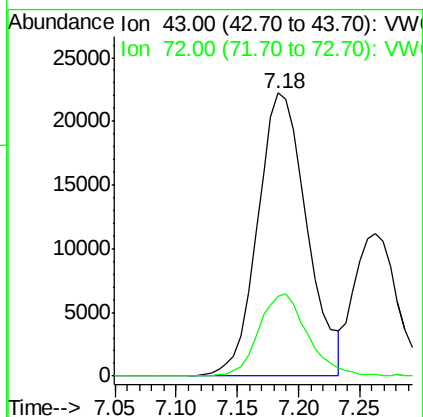
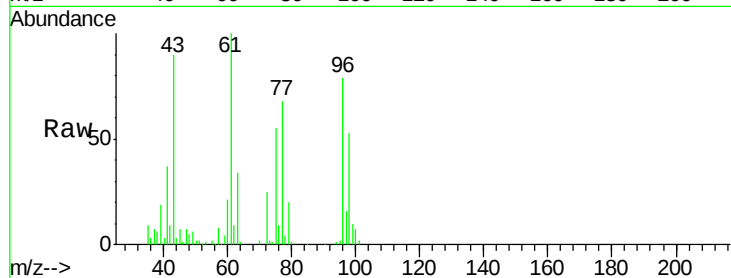




#25
2-Butanone
Concen: 91.041 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

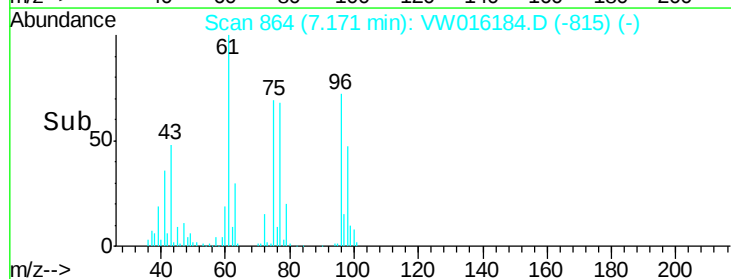
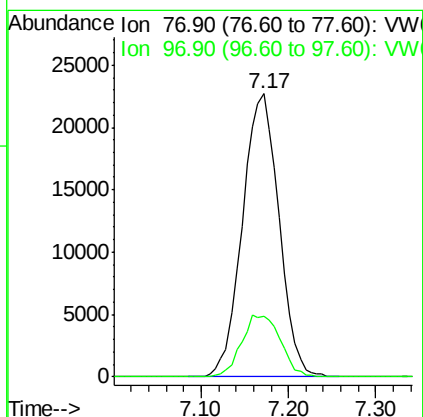
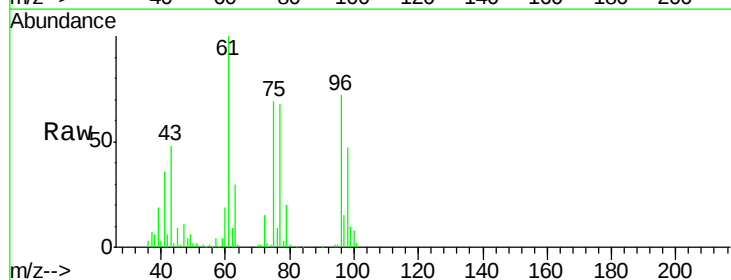
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

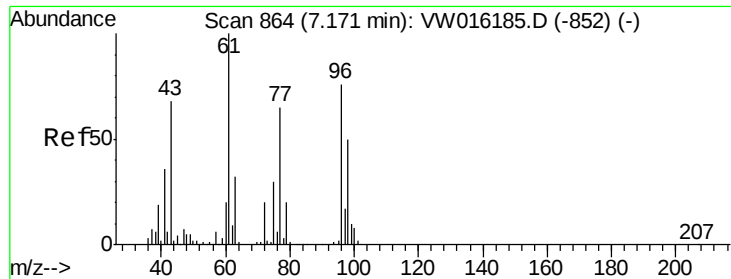
Tgt Ion: 43 Resp: 62388
Ion Ratio Lower Upper
43 100
72 28.0 24.2 36.2



#26
2,2-Dichloropropane
Concen: 21.107 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 77 Resp: 65944
Ion Ratio Lower Upper
77 100
97 23.2 12.1 36.3



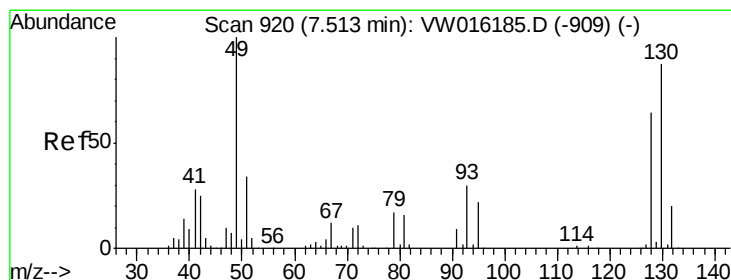
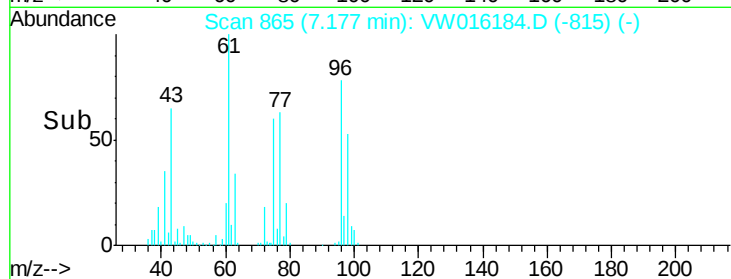
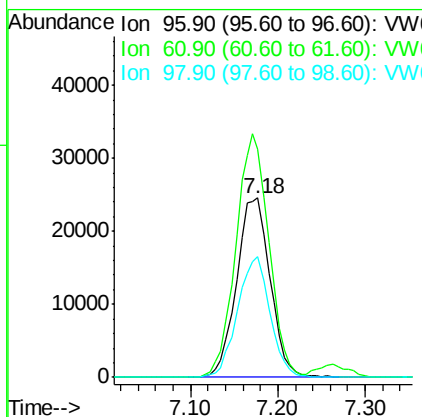
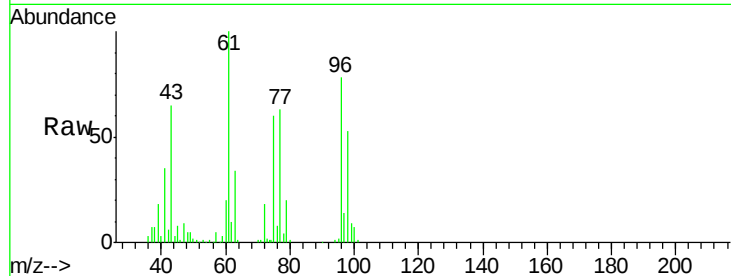


#27

cis-1,2-Dichloroethene
Concen: 21.780 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

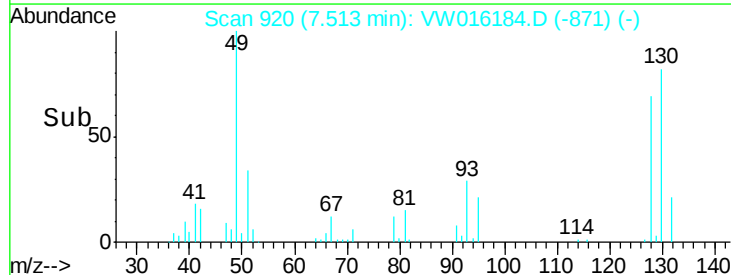
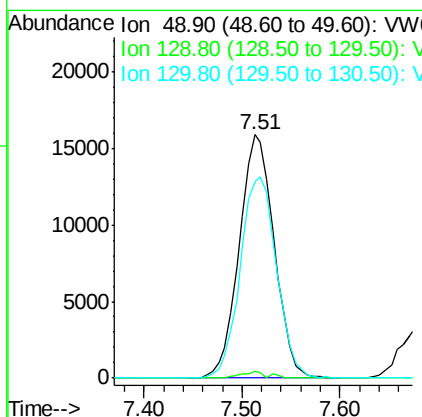
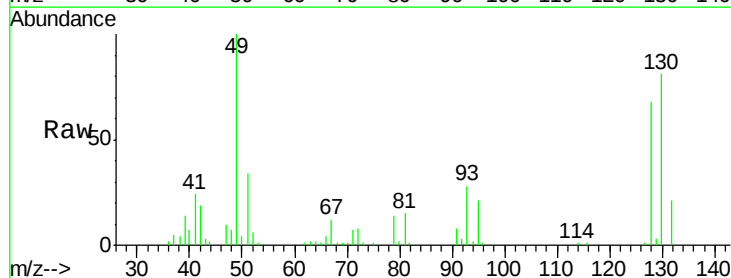
Tgt Ion: 96 Resp: 65554
Ion Ratio Lower Upper
96 100
61 133.0 0.0 267.0
98 64.7 0.0 129.6

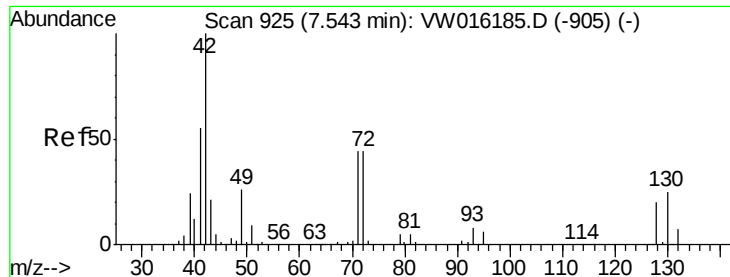


#28

Bromochloromethane
Concen: 19.744 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 49 Resp: 39514
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.2
130 85.9 69.9 104.9

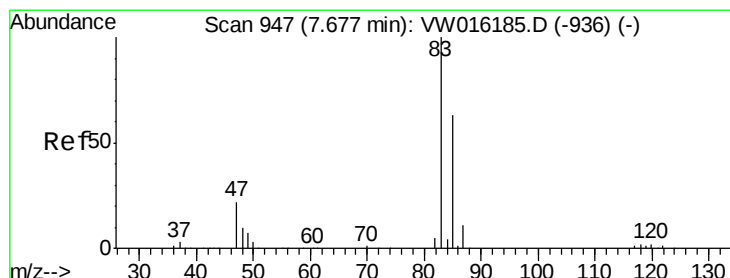
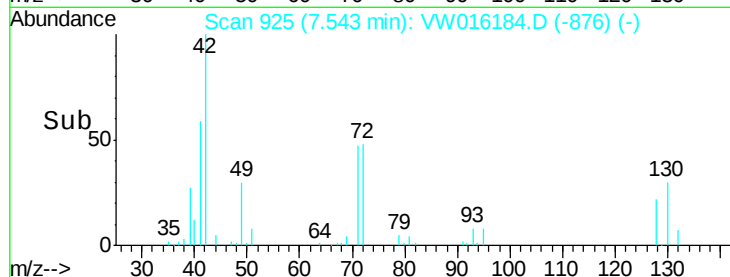
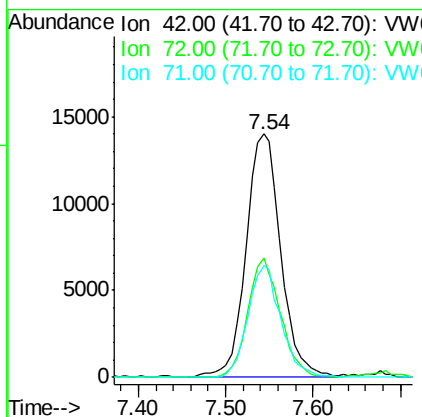
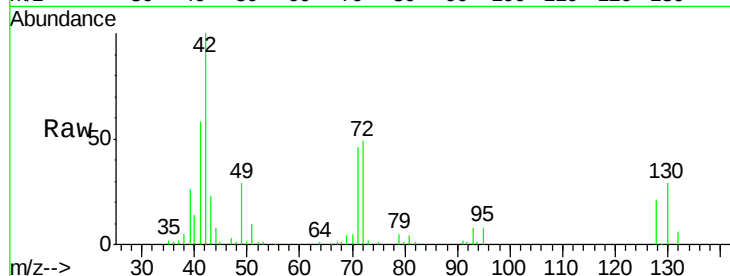




#29
Tetrahydrofuran
Concen: 92.911 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

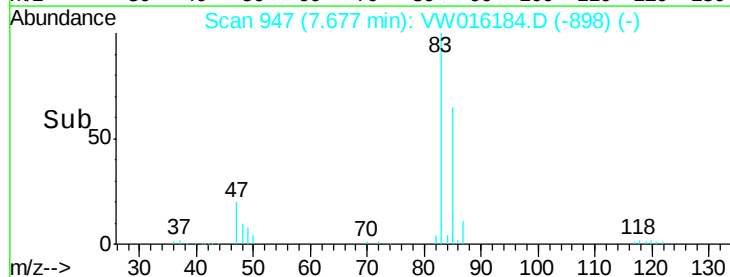
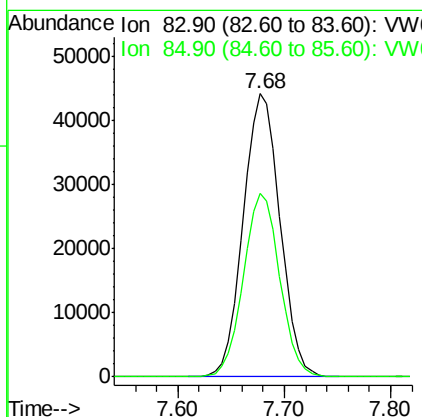
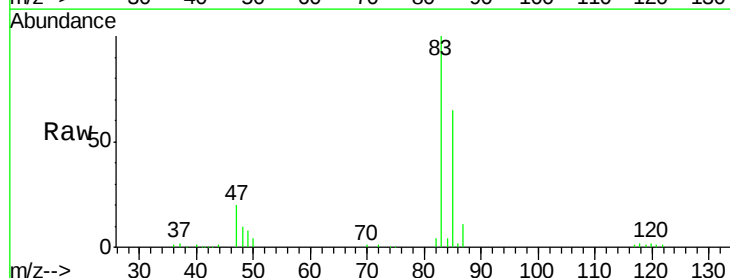
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

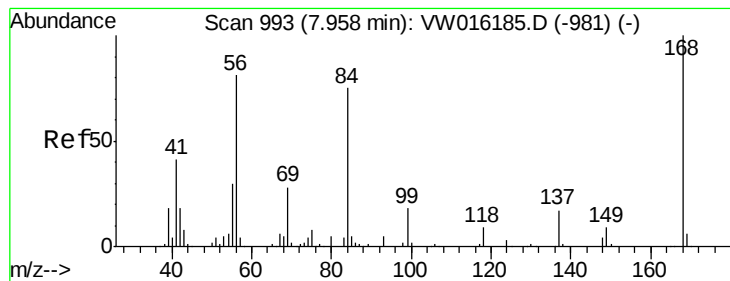
Tgt Ion: 42 Resp: 38659
Ion Ratio Lower Upper
42 100
72 46.0 37.4 56.2
71 43.9 35.6 53.4



#30
Chloroform
Concen: 21.061 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 83 Resp: 107282
Ion Ratio Lower Upper
83 100
85 64.9 50.0 75.0





#31

Cyclohexane

Concen: 19.653 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

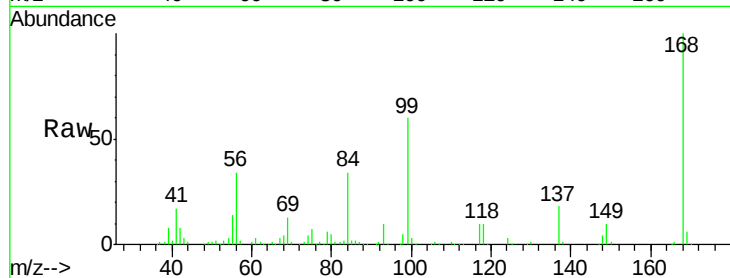
Tgt Ion: 56 Resp: 92183

Ion Ratio Lower Upper

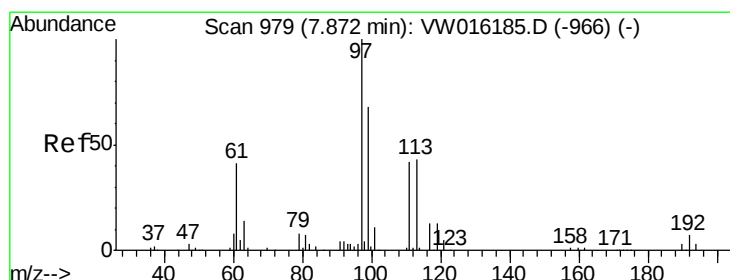
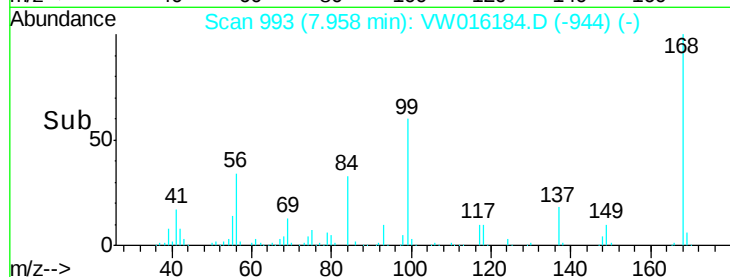
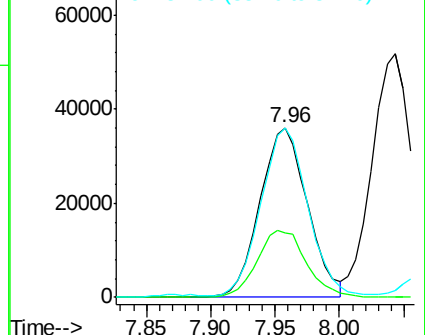
56 100

69 38.3 27.3 40.9

84 98.1 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: 21.119 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

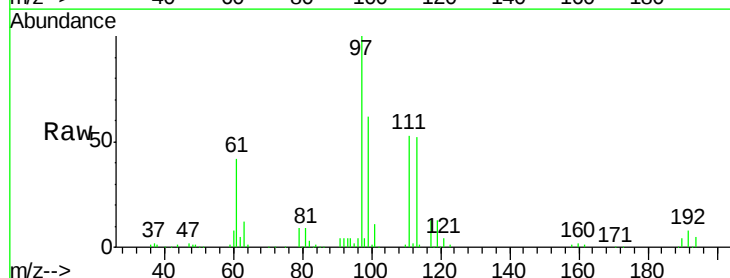
Tgt Ion: 97 Resp: 90219

Ion Ratio Lower Upper

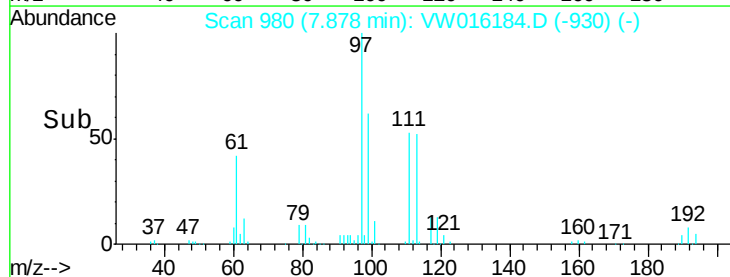
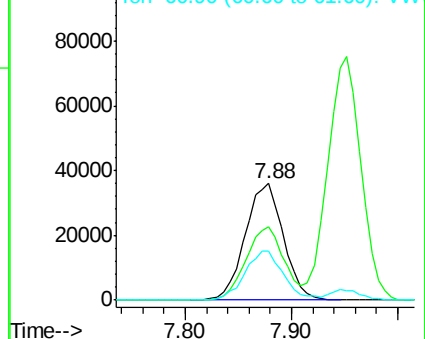
97 100

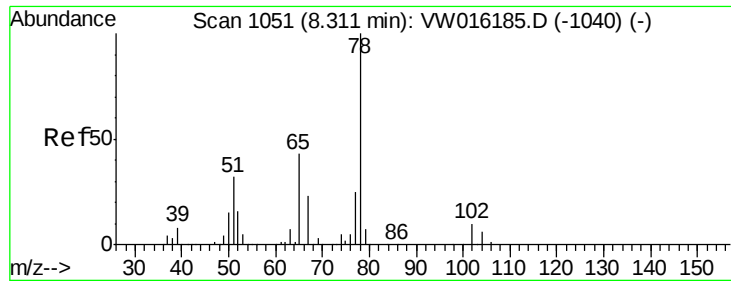
99 62.7 51.3 76.9

61 42.5 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: 18.127 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

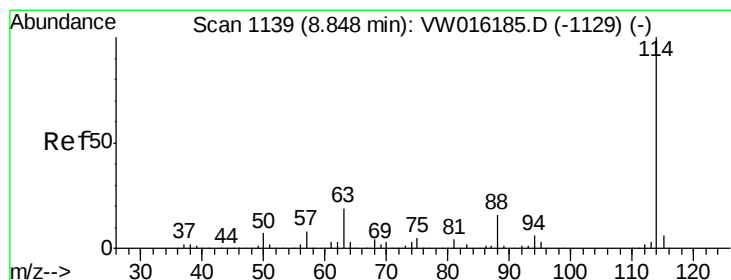
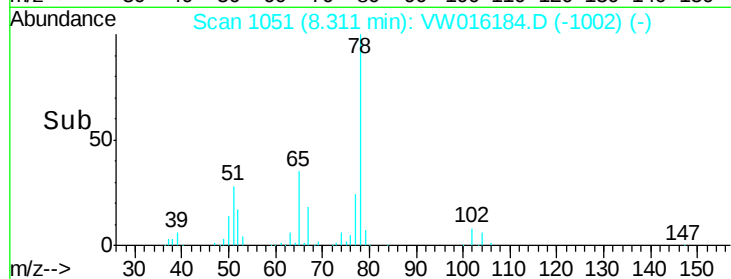
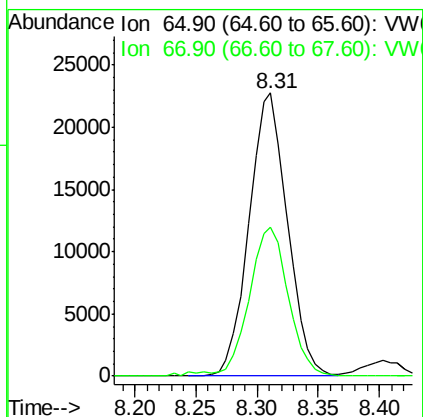
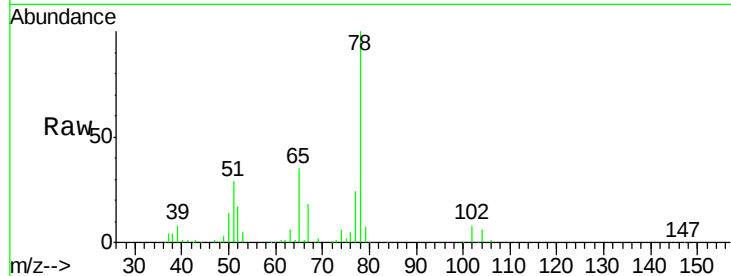
VSTDIC020

Tgt Ion: 65 Resp: 49710

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

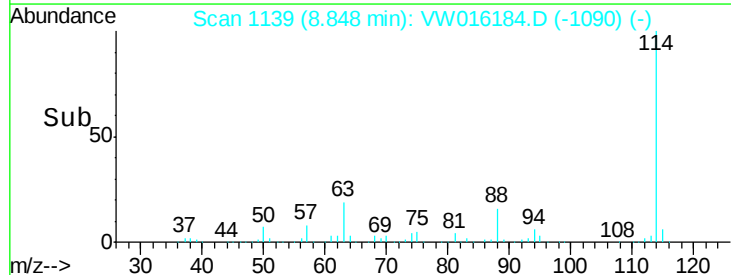
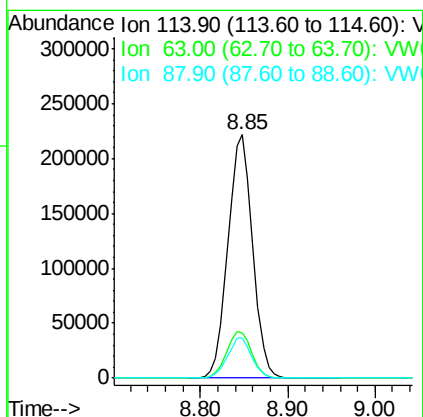
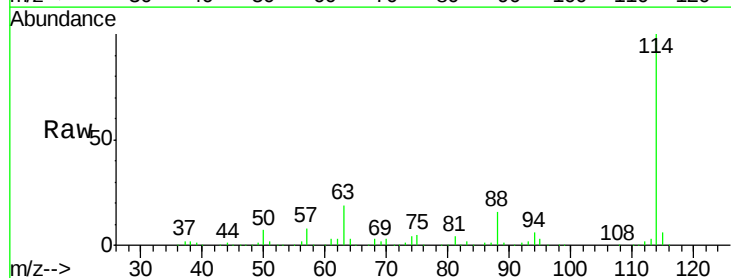
Tgt Ion: 114 Resp: 433895

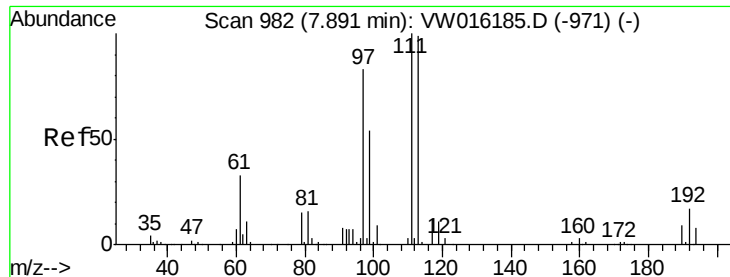
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 19.991 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

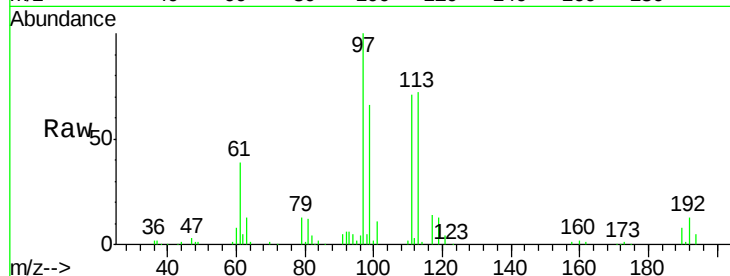
Tgt Ion:113 Resp: 52003

Ion Ratio Lower Upper

113 100

111 101.9 83.5 125.3

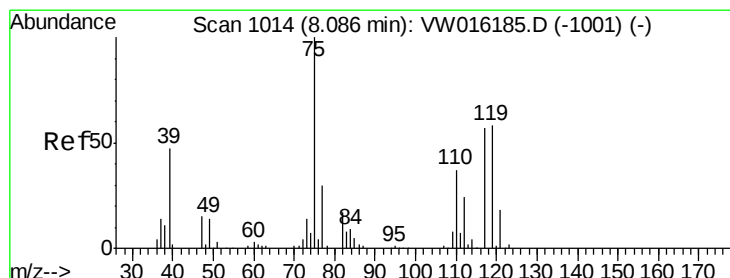
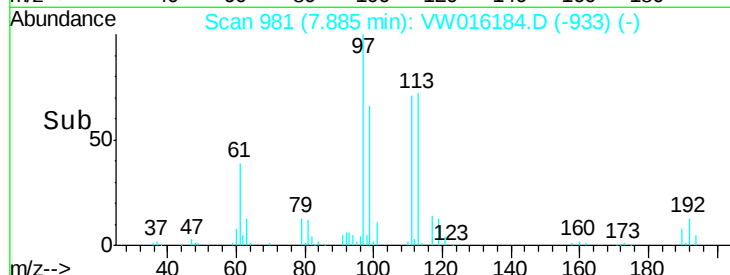
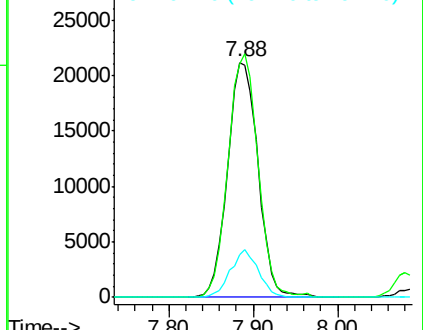
192 18.3 14.3 21.5



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: 20.295 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

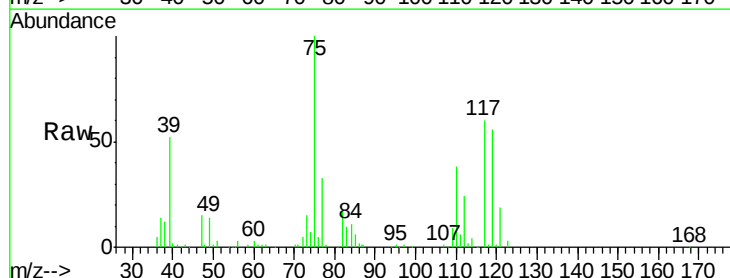
Tgt Ion: 75 Resp: 86007

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.3

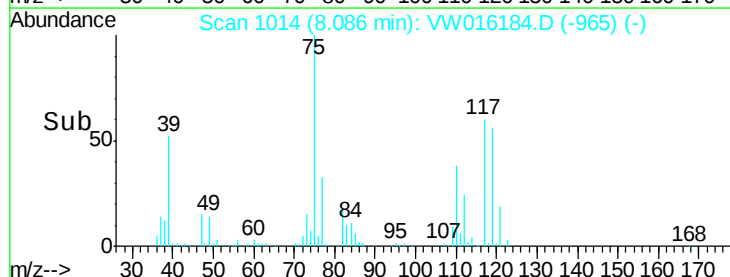
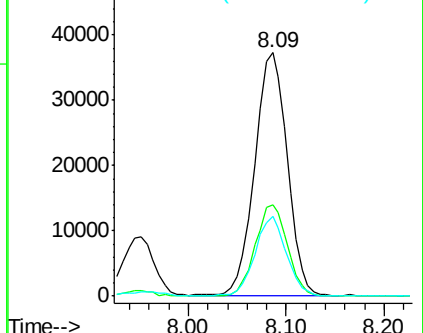
77 31.7 24.7 37.1

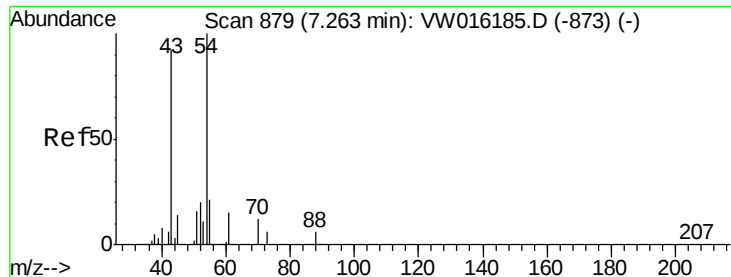


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

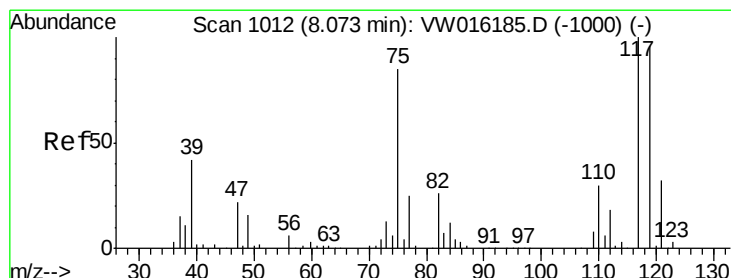
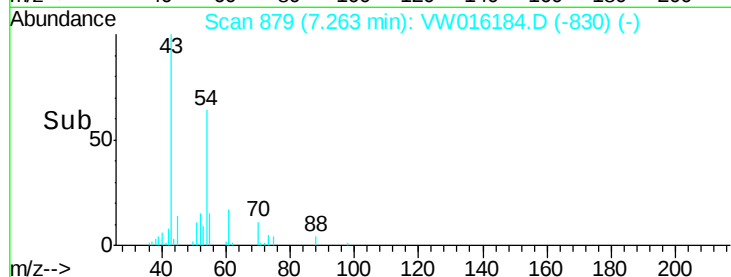
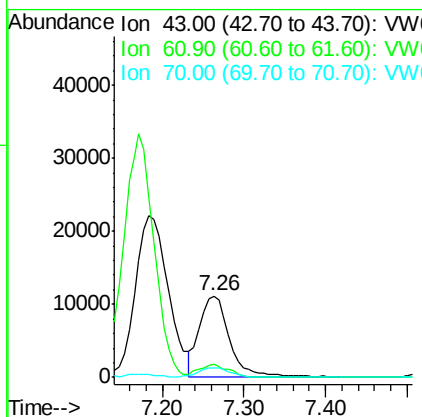
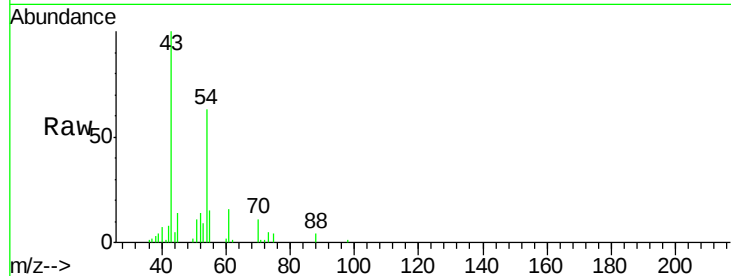




#37
Ethyl Acetate
Concen: 17.374 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

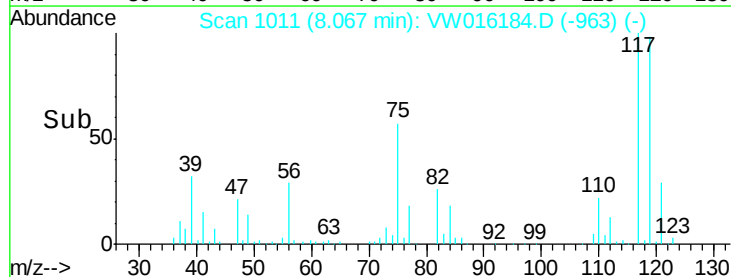
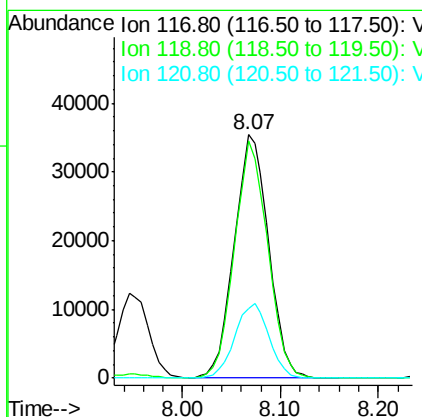
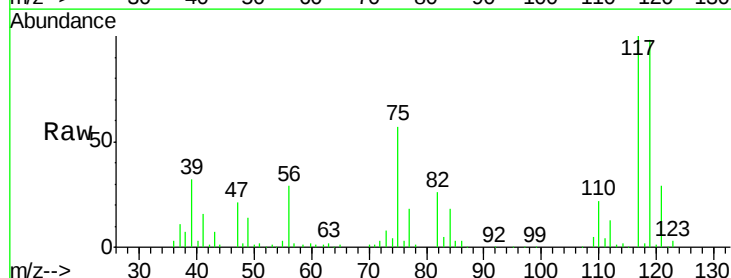
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

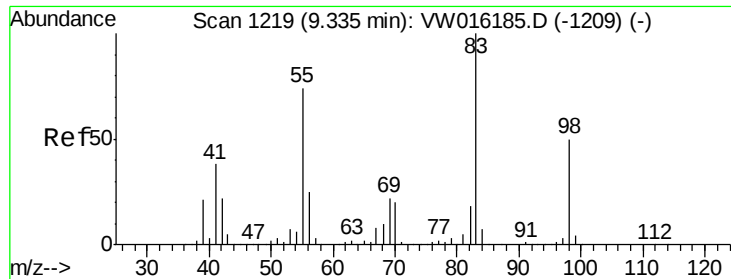
Tgt Ion: 43 Resp: 28532
Ion Ratio Lower Upper
43 100
61 16.4 12.6 18.8
70 12.4 9.8 14.8



#38
Carbon Tetrachloride
Concen: 20.903 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 117 Resp: 86130
Ion Ratio Lower Upper
117 100
119 97.6 76.6 115.0
121 28.5 25.4 38.0

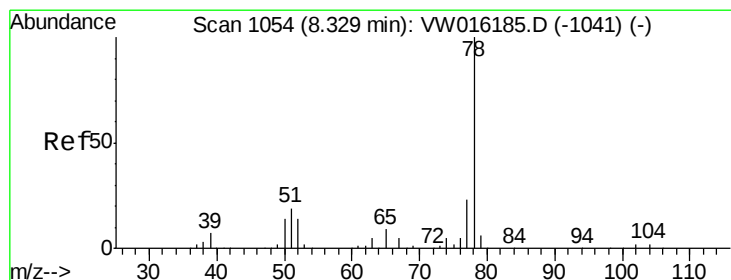
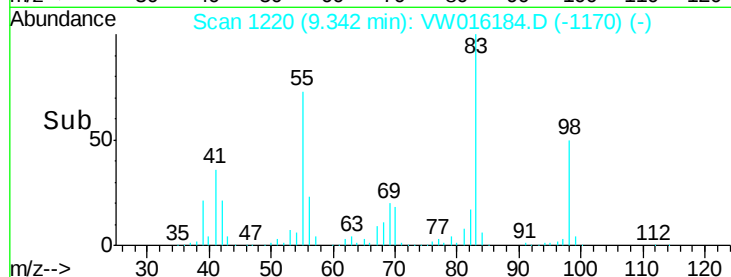
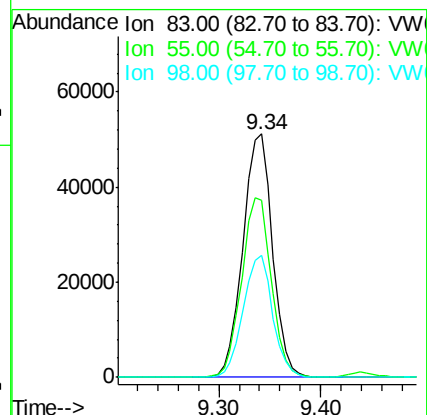
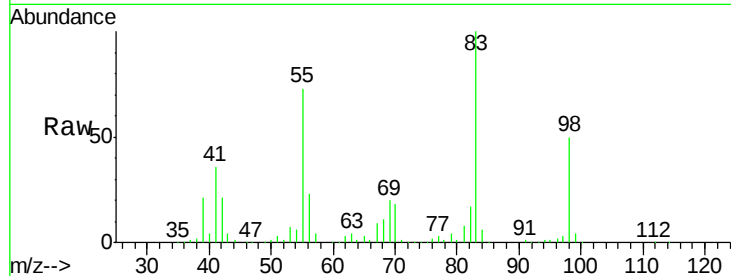




#39
Methylcyclohexane
Concen: 20.540 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

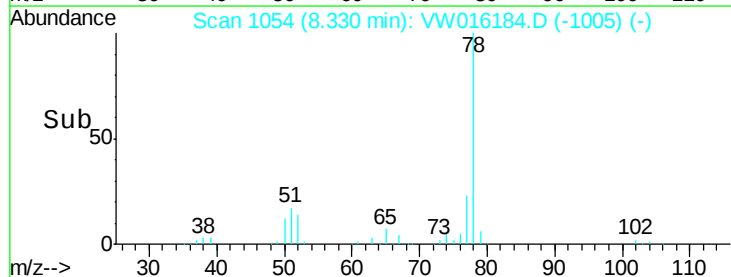
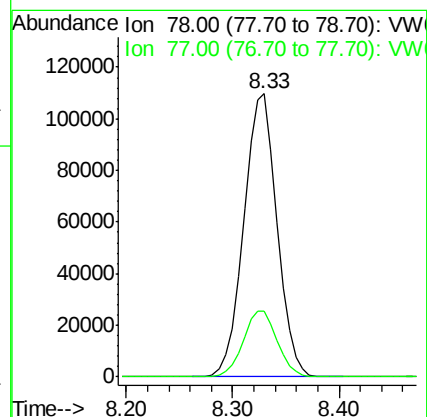
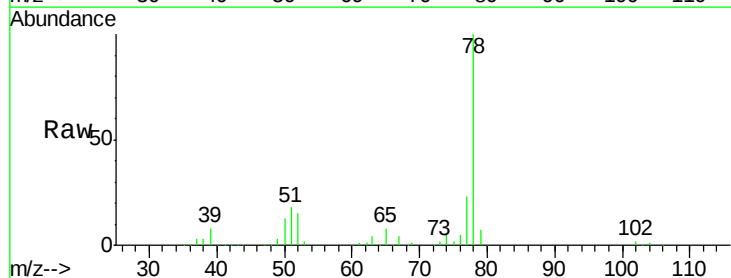
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

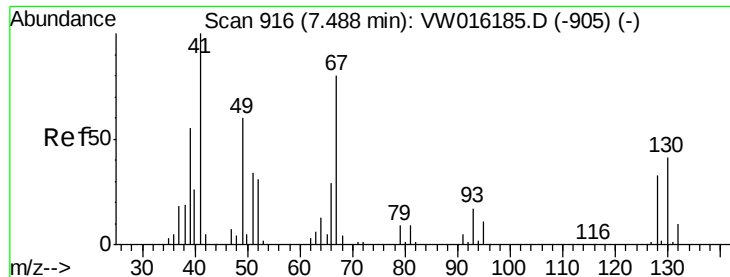
Tgt Ion: 83 Resp: 103154
Ion Ratio Lower Upper
83 100
55 72.8 59.2 88.8
98 50.2 40.2 60.2



#40
Benzene
Concen: 20.612 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 78 Resp: 240434
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0

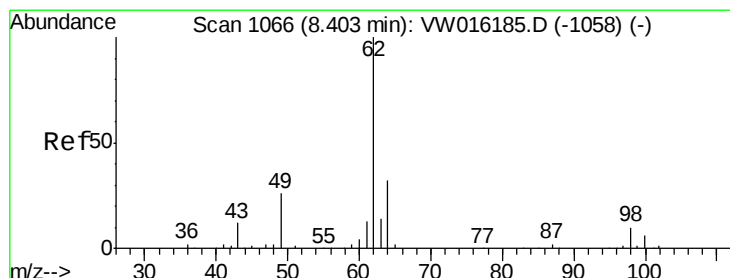
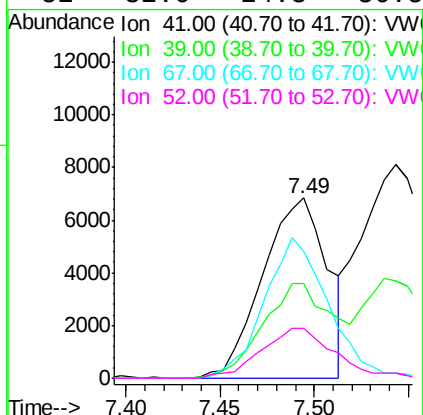
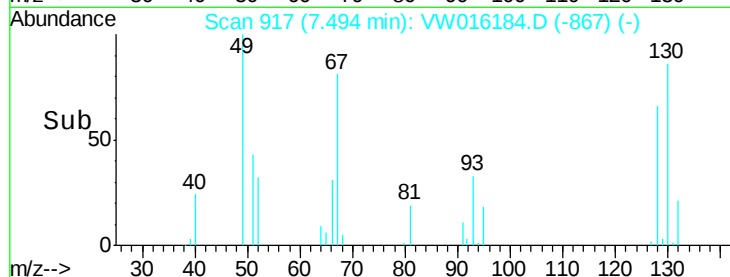
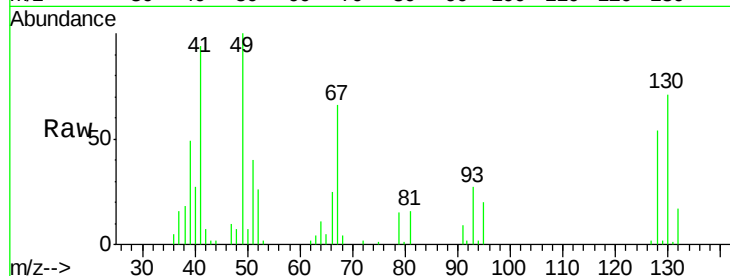




#41
Methacrylonitrile
Concen: 17.563 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

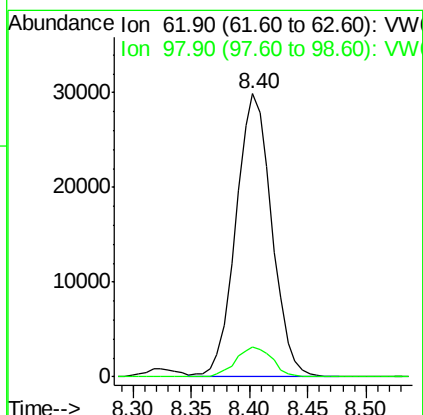
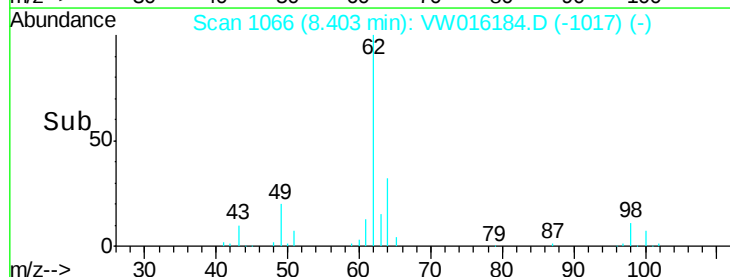
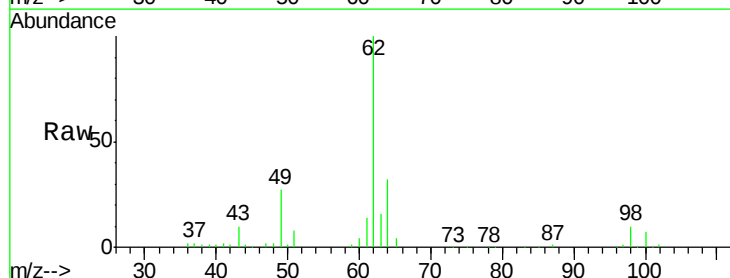
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

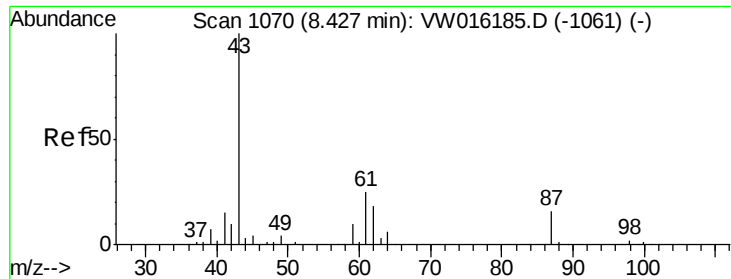
Tgt Ion:	41	Resp:	16354
Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.4	65.2
67	76.7	61.5	92.3
52	32.0	24.3	36.5



#42
1,2-Dichloroethane
Concen: 18.081 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion:	62	Resp:	64184
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.8

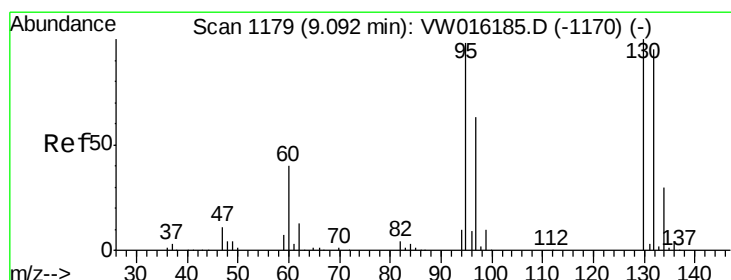
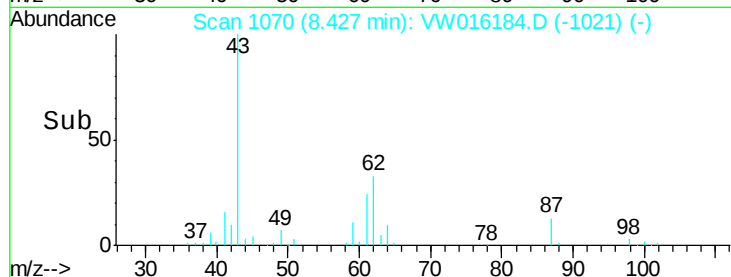
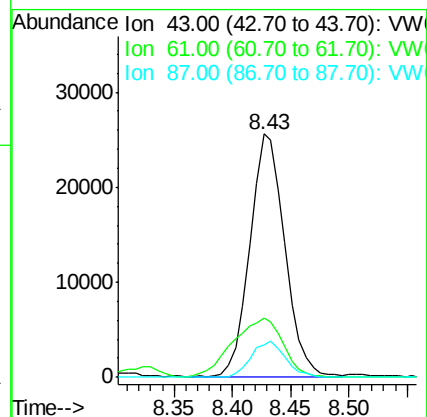
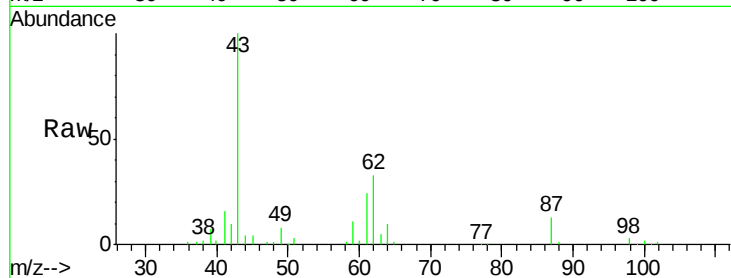




#43
Isopropyl Acetate
Concen: 16.776 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

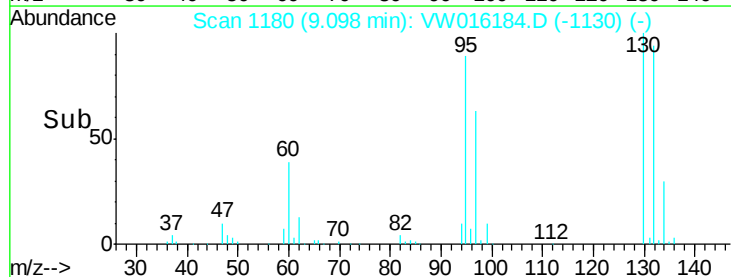
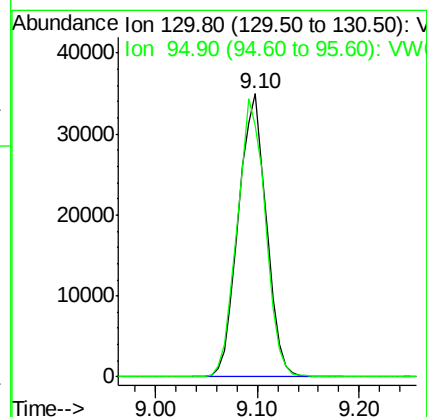
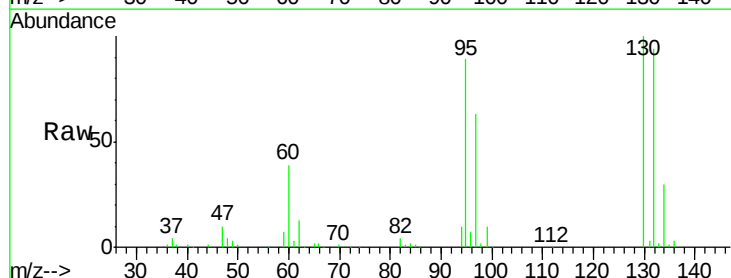
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

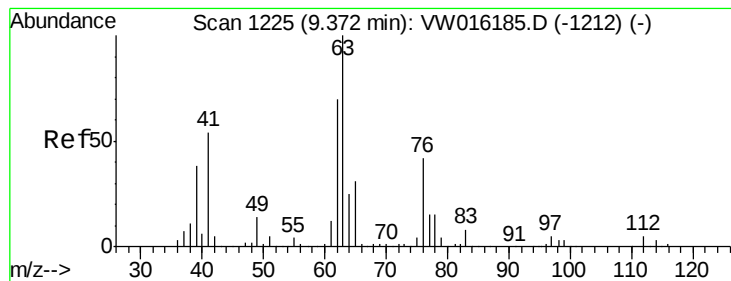
Tgt Ion: 43 Resp: 53181
Ion Ratio Lower Upper
43 100
61 35.1 26.9 40.3
87 14.8 12.0 18.0



#44
Trichloroethene
Concen: 21.371 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 130 Resp: 66439
Ion Ratio Lower Upper
130 100
95 88.9 0.0 196.4





#45

1,2-Dichloropropane

Concen: 19.947 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

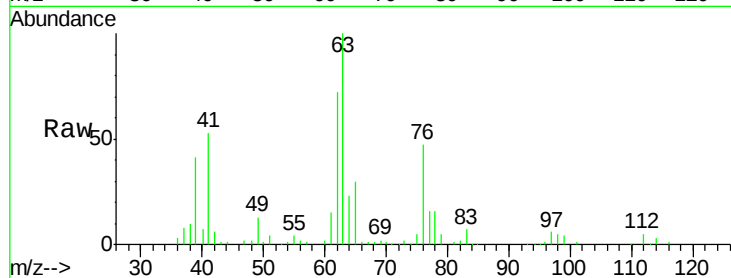
VSTDIC020

Tgt Ion: 63 Resp: 56921

Ion Ratio Lower Upper

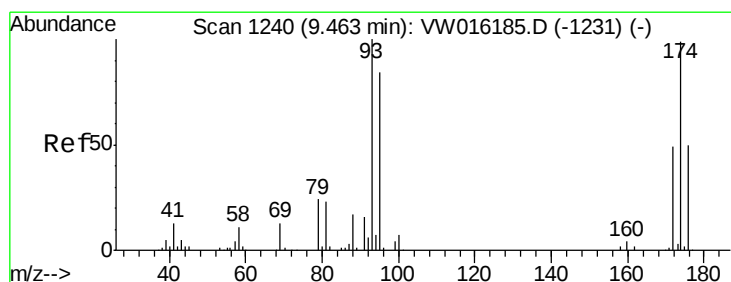
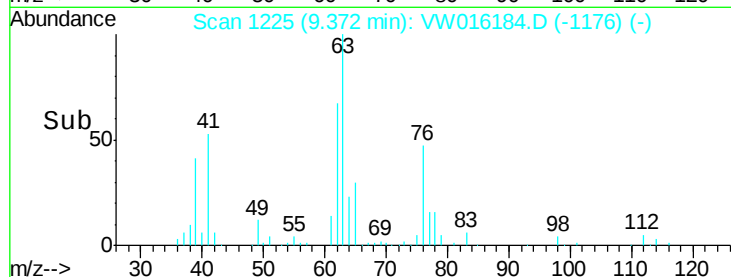
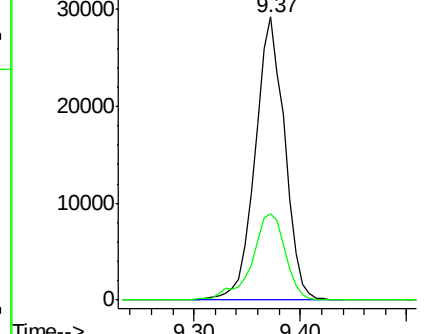
63 100

65 30.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.027 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

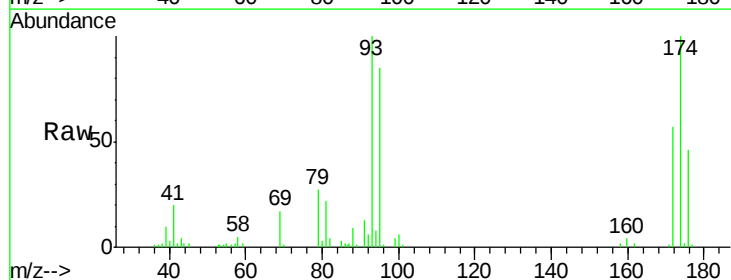
Tgt Ion: 93 Resp: 29604

Ion Ratio Lower Upper

93 100

95 85.1 65.9 98.9

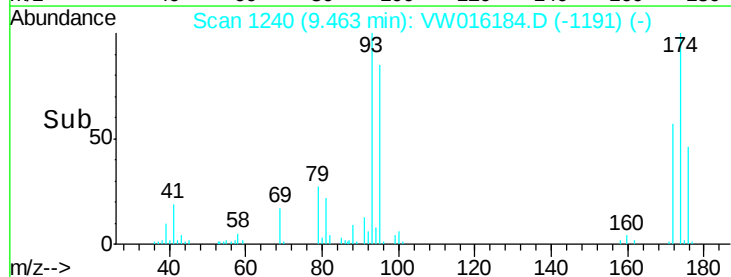
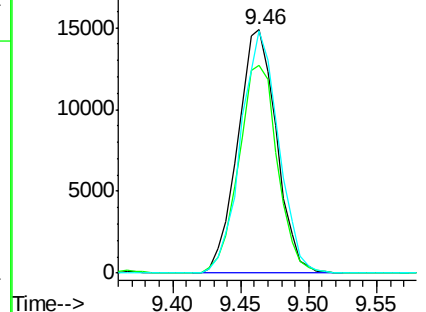
174 96.9 77.0 115.6

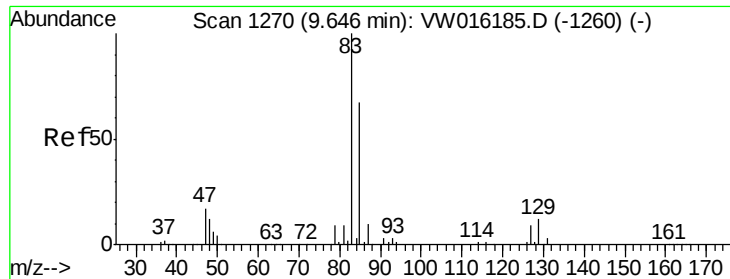


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.248 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

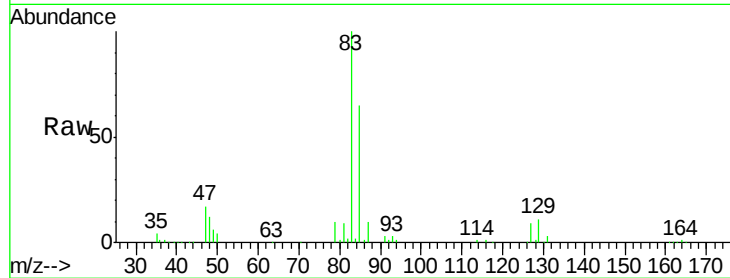
Tgt Ion: 83 Resp: 76958

Ion Ratio Lower Upper

83 100

85 64.9 53.3 79.9

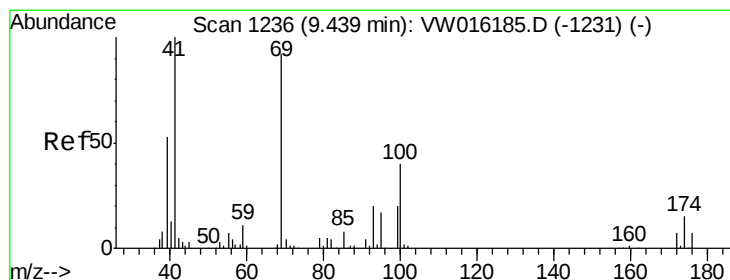
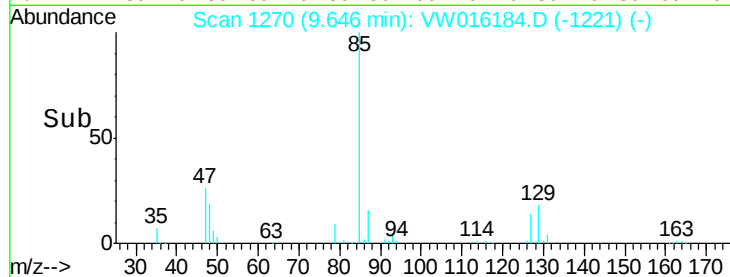
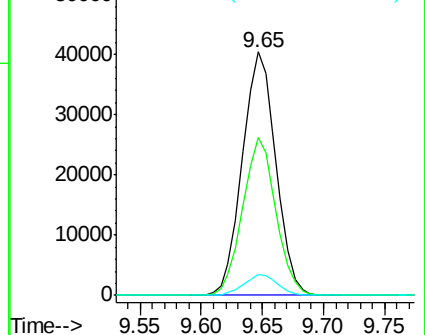
127 8.8 7.4 11.2



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: 17.045 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

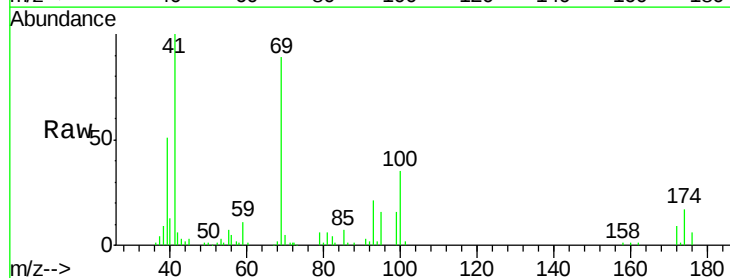
Tgt Ion: 41 Resp: 24693

Ion Ratio Lower Upper

41 100

69 98.8 77.4 116.0

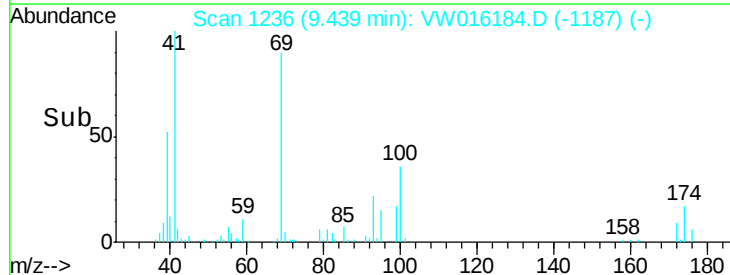
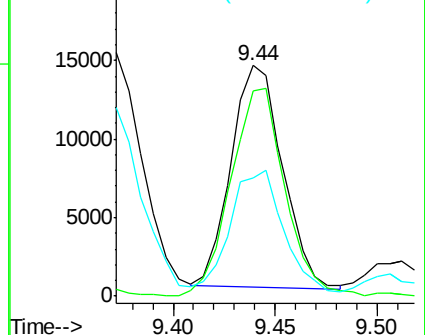
39 56.2 42.2 63.2

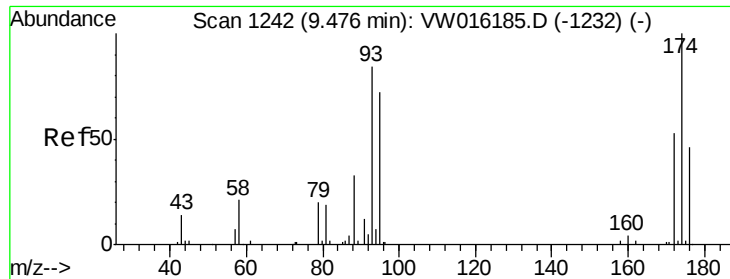


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

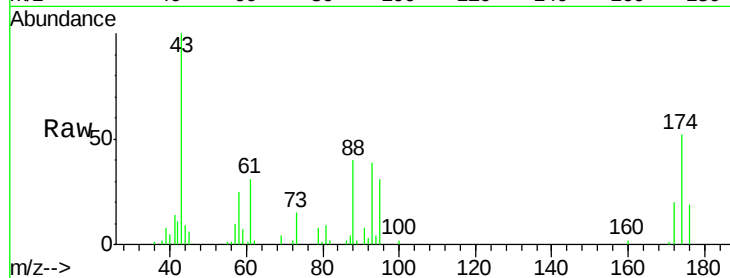




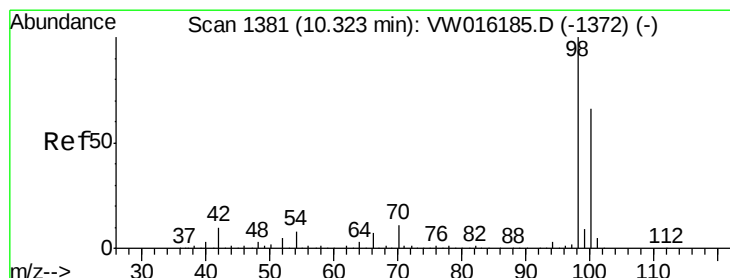
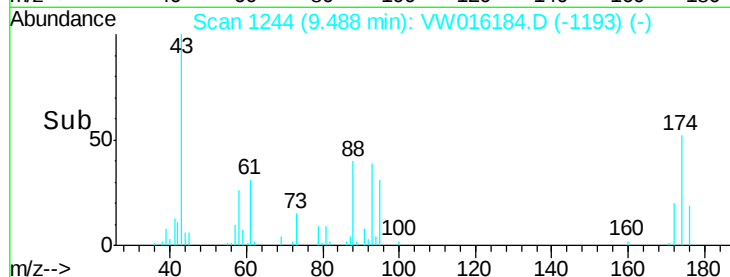
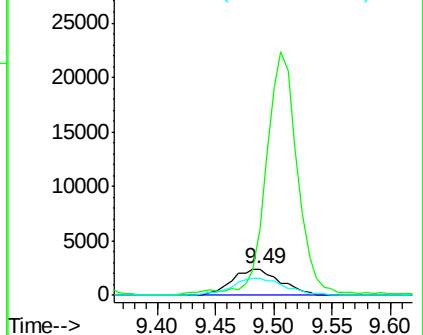
#49
1,4-Dioxane
Concen: 380.918 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion: 88 Resp: 7057
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 69.6 56.6 84.8

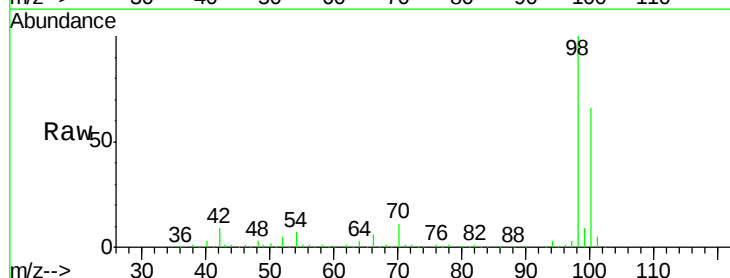


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

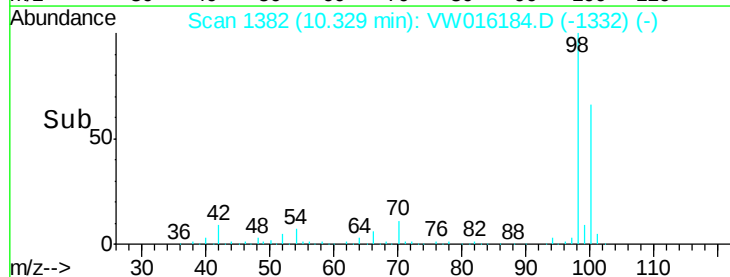
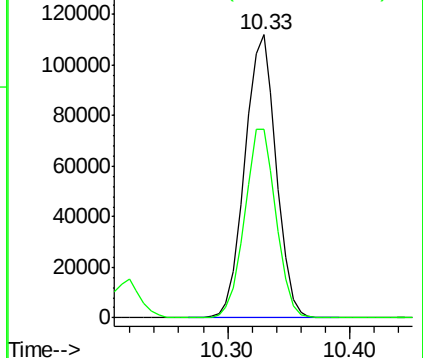


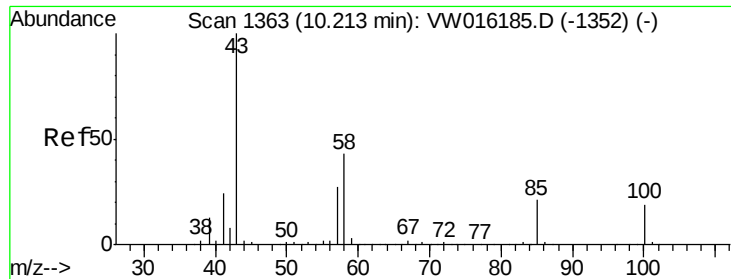
#50
Toluene-d8
Concen: 19.881 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 98 Resp: 199004
Ion Ratio Lower Upper
98 100
100 67.0 53.5 80.3



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

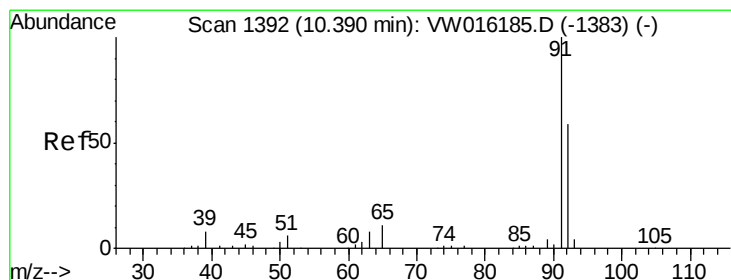
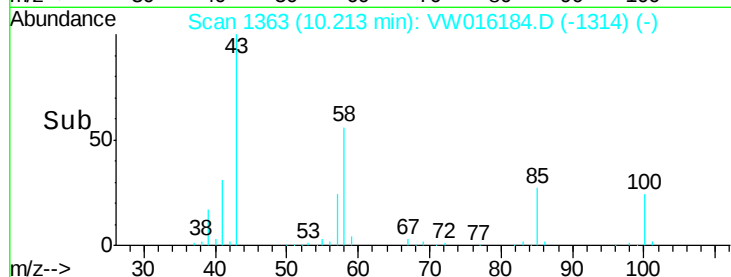
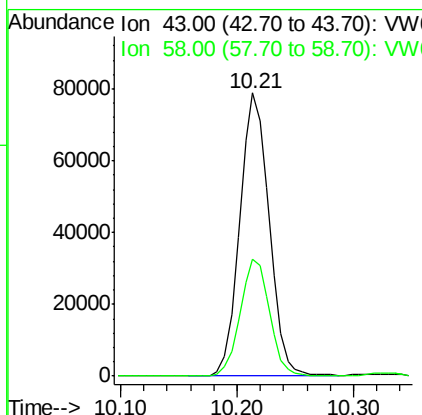
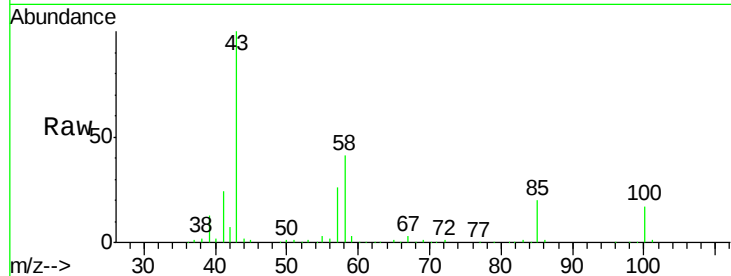




#51
4-Methyl-2-Pentanone
Concen: 89.592 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

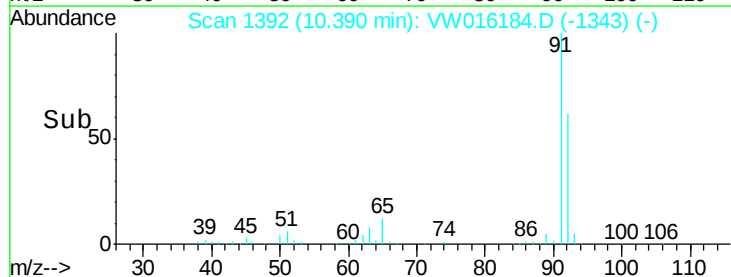
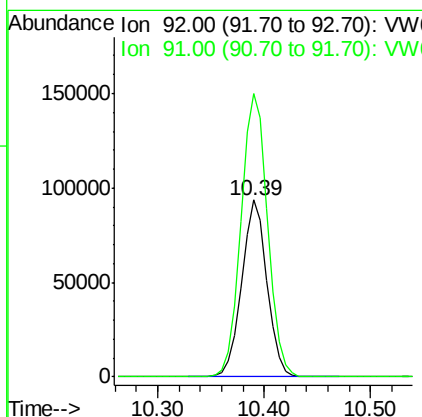
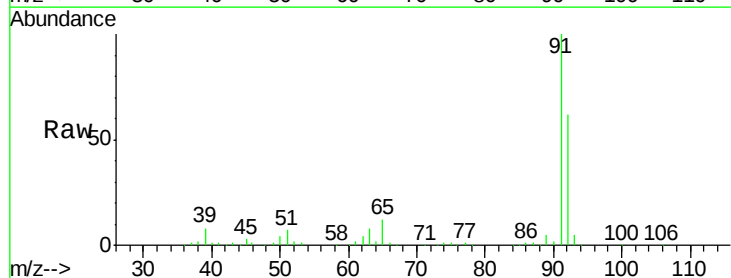
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

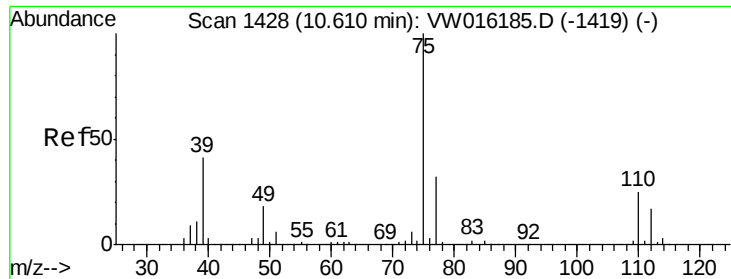
Tgt Ion: 43 Resp: 139155
Ion Ratio Lower Upper
43 100
58 41.2 33.7 50.5



#52
Toluene
Concen: 20.680 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 92 Resp: 155512
Ion Ratio Lower Upper
92 100
91 169.0 133.3 199.9

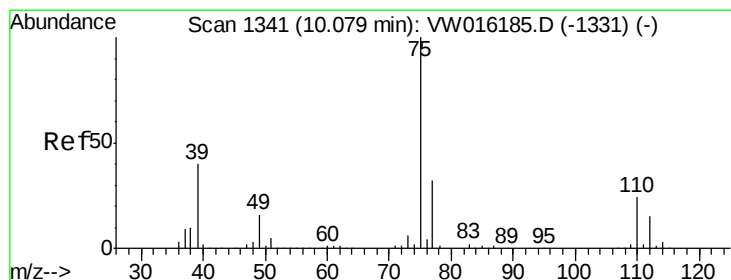
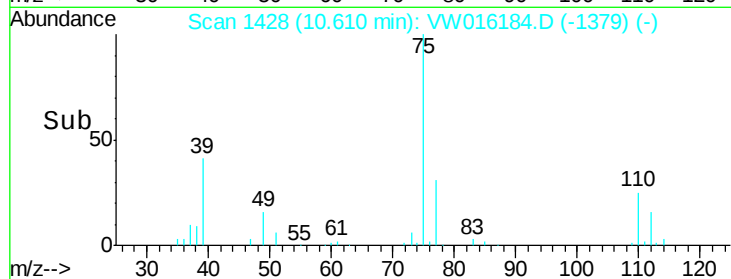
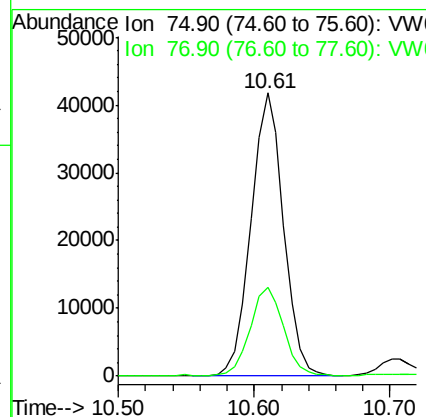
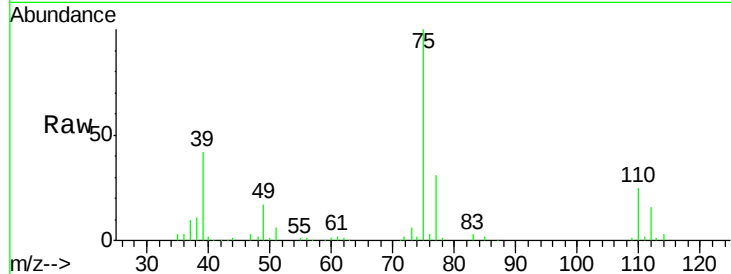




#53
 t-1,3-Dichloropropene
 Concen: 19.227 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

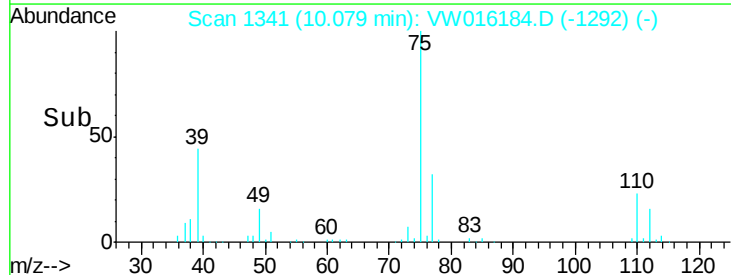
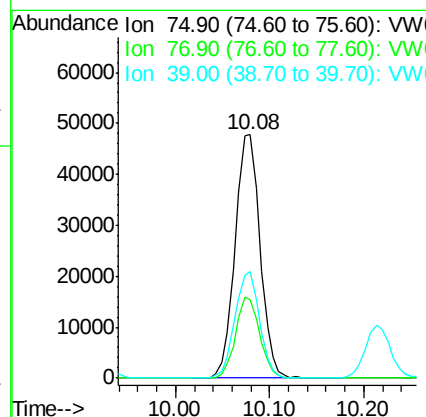
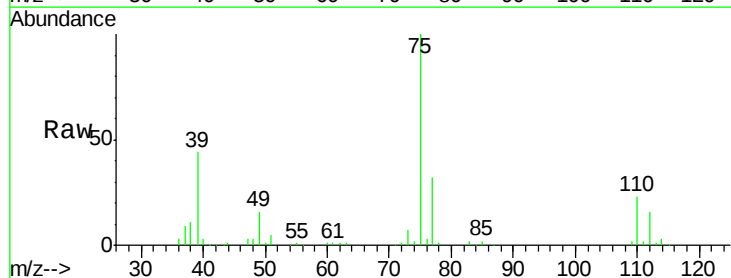
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

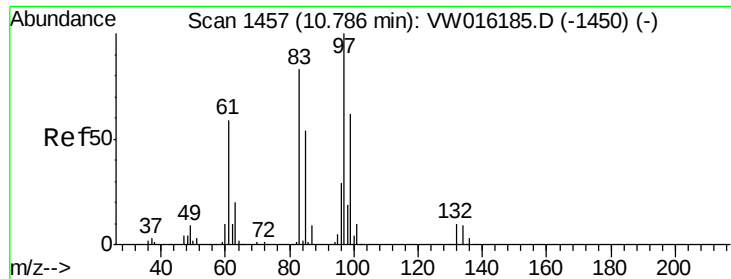
Tgt Ion: 75 Resp: 69918
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.154 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 75 Resp: 88247
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9
 39 44.1 32.3 48.5

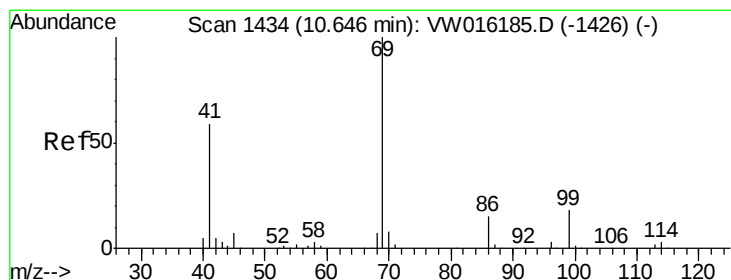
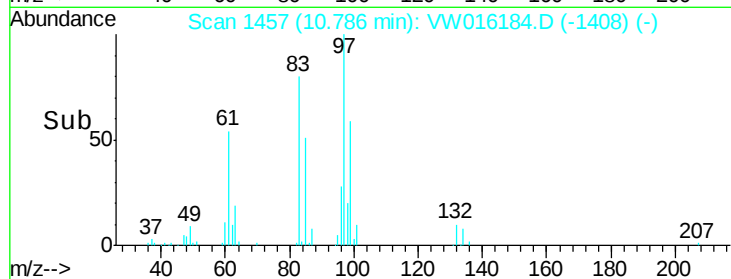
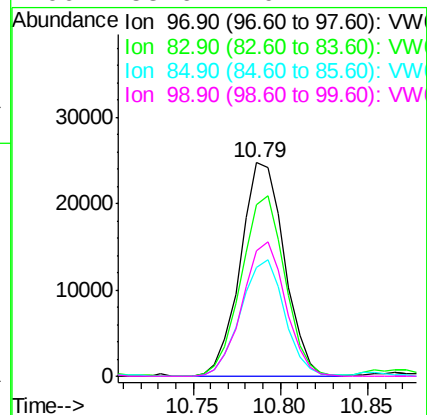
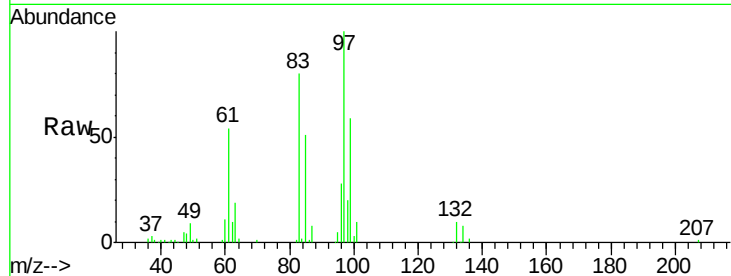




#55
 1,1,2-Trichloroethane
 Concen: 21.158 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

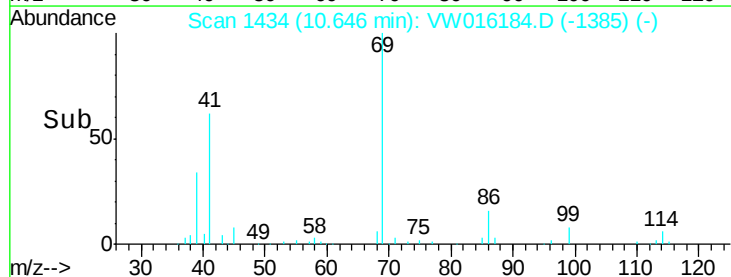
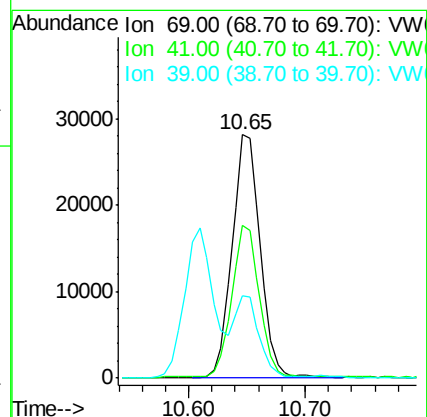
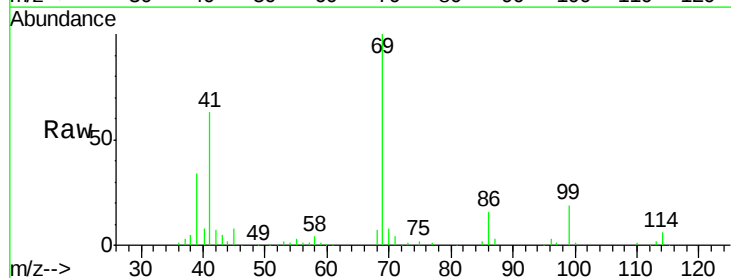
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

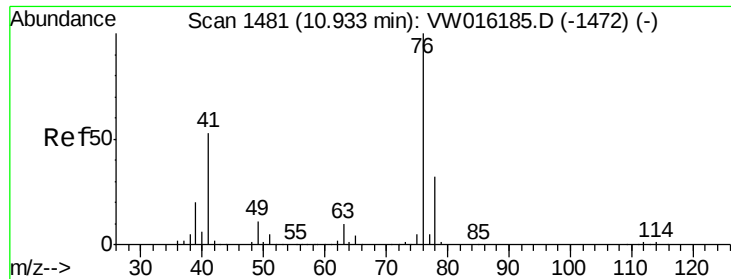
Tgt Ion:	97	Resp:	43401
Ion	Ratio	Lower	Upper
97	100		
83	80.3	66.6	100.0
85	50.8	43.0	64.4
99	58.6	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 18.791 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:	69	Resp:	47380
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.6	71.4
39	28.4	24.6	36.8

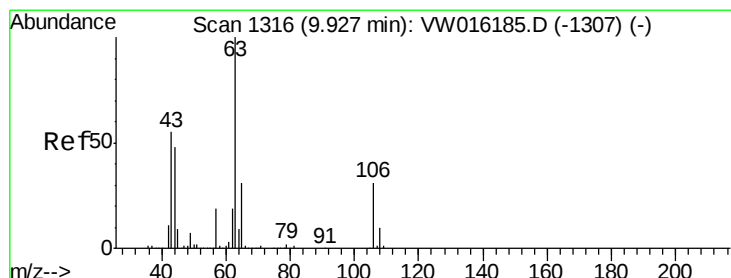
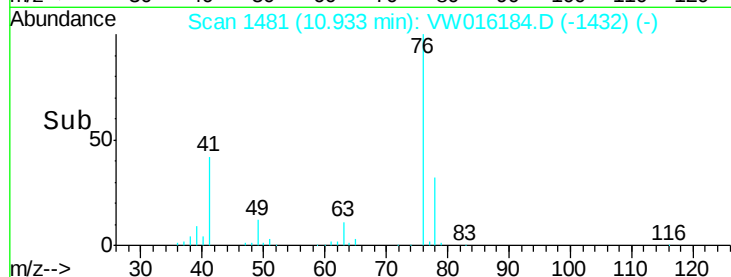
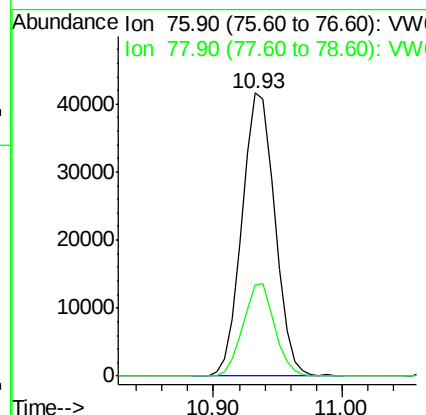
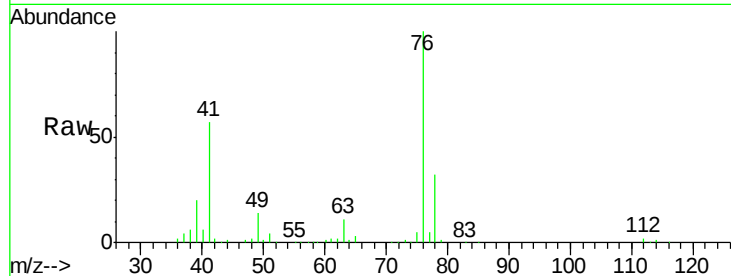




#57
 1,3-Dichloropropane
 Concen: 20.245 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

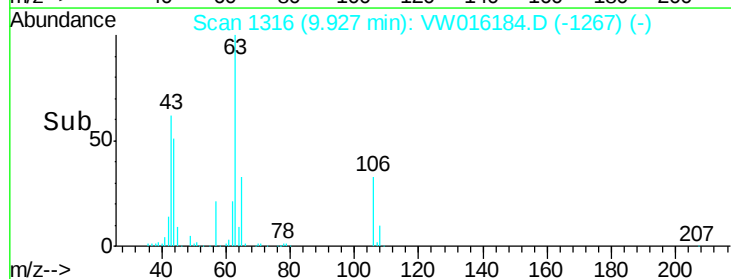
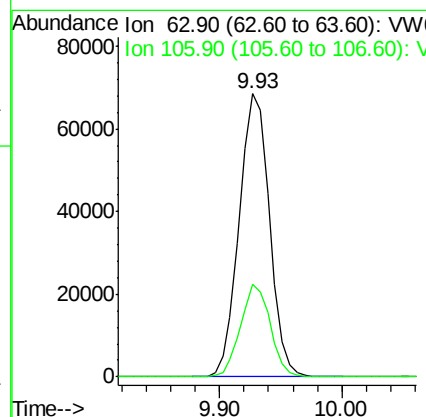
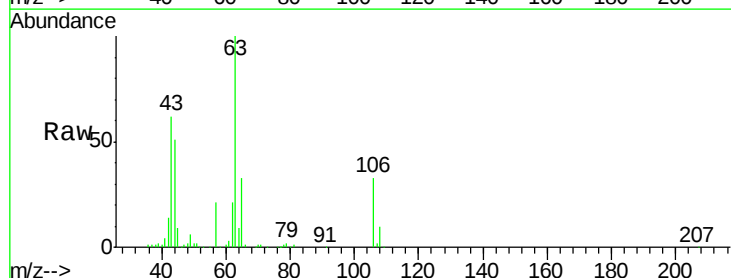
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

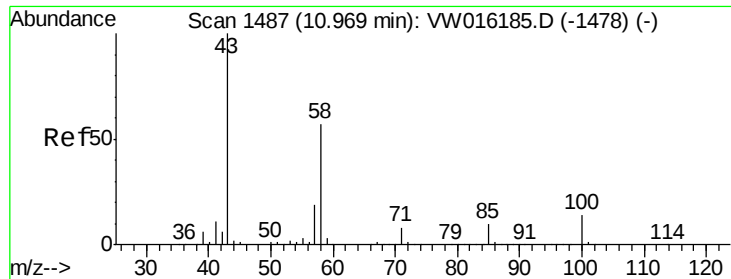
Tgt Ion: 76 Resp: 73421
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.652 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 63 Resp: 117715
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.9 37.3

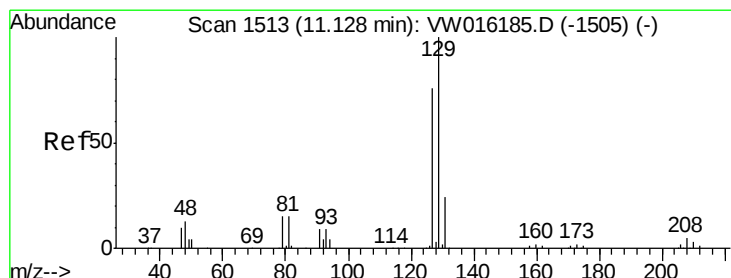
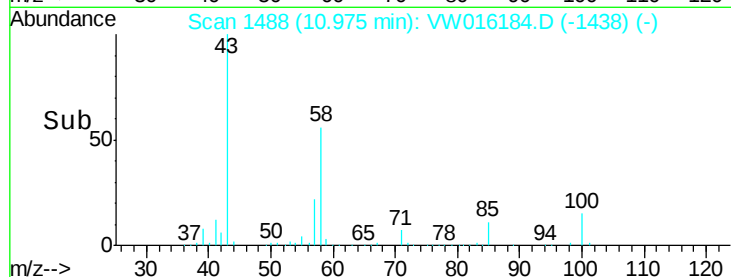
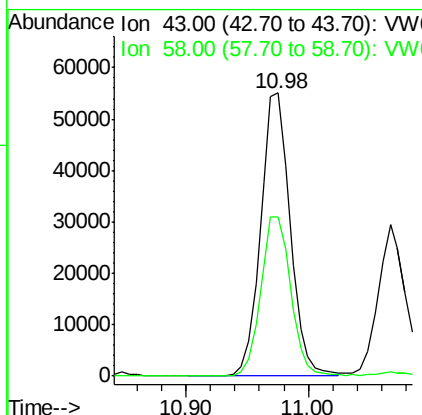
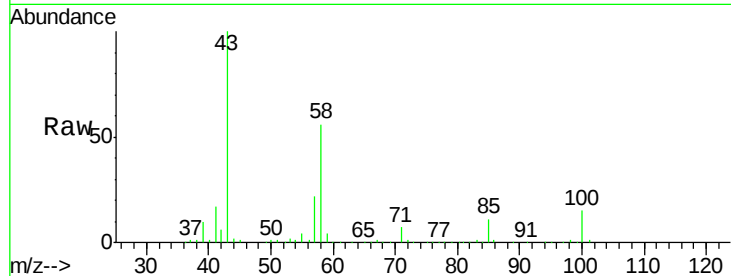




#59
2-Hexanone
Concen: 89.460 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

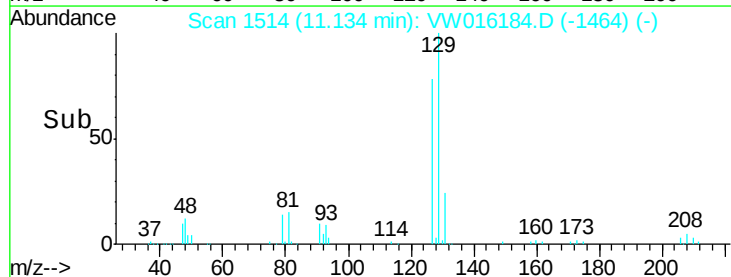
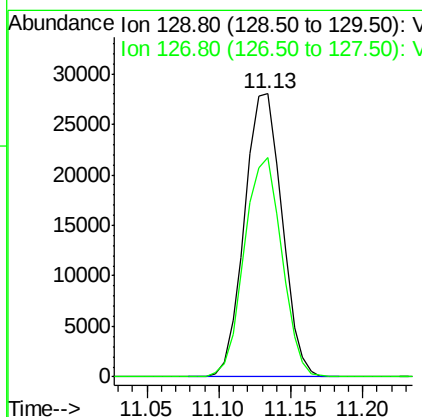
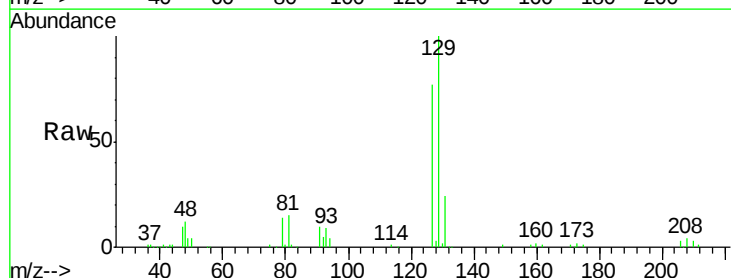
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

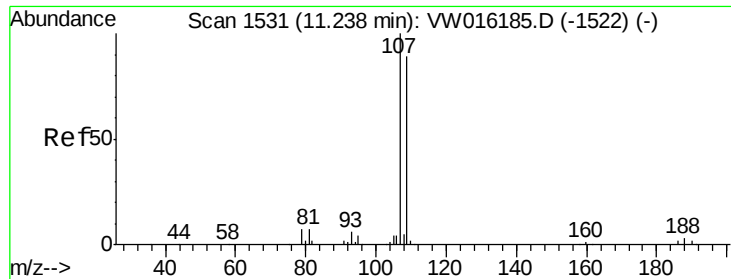
Tgt Ion: 43 Resp: 92968
Ion Ratio Lower Upper
43 100
58 57.4 28.8 86.5



#60
Dibromochloromethane
Concen: 21.194 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 129 Resp: 50635
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

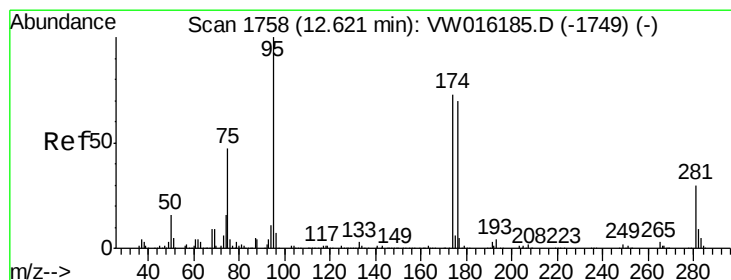
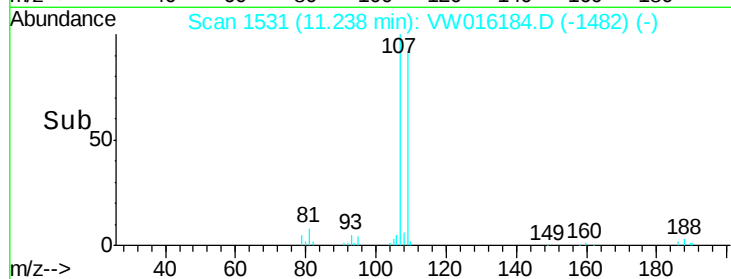
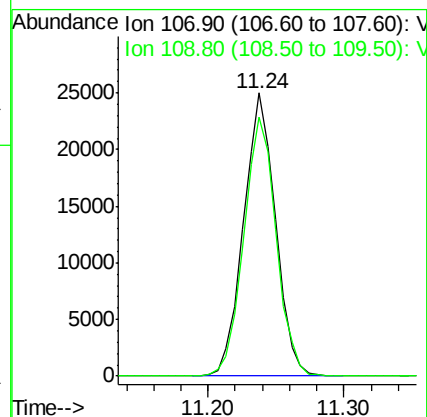
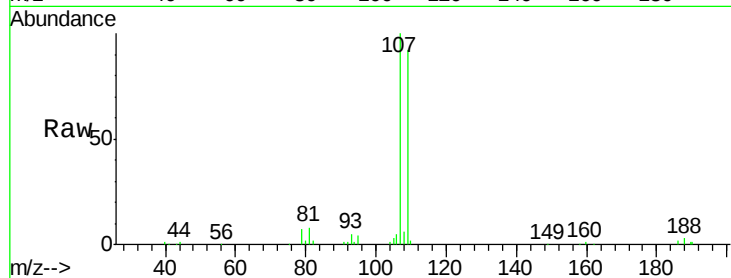




#61
 1,2-Dibromoethane
 Concen: 20.674 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

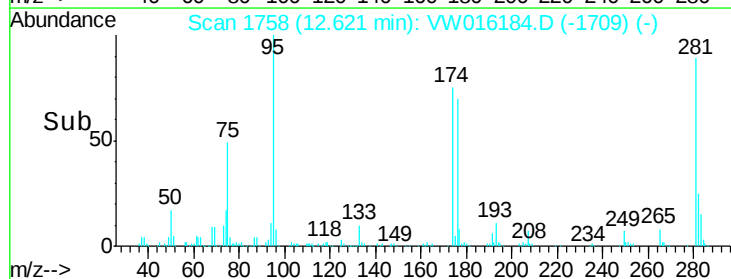
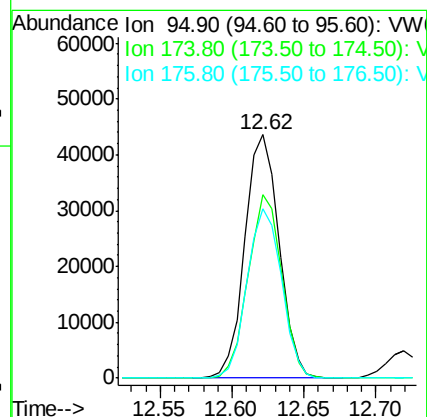
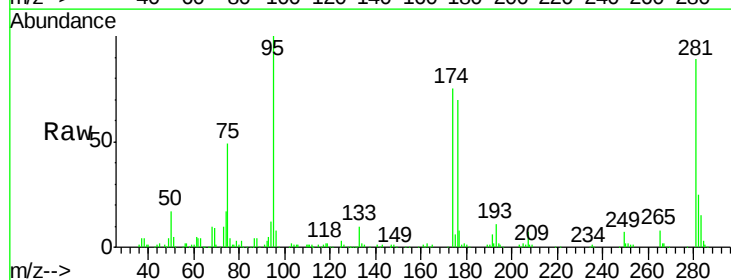
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

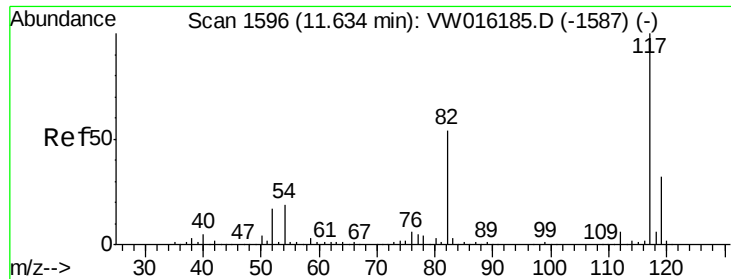
Tgt Ion: 107 Resp: 40975
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 19.772 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 95 Resp: 71769
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 145.6
 176 70.2 0.0 137.8

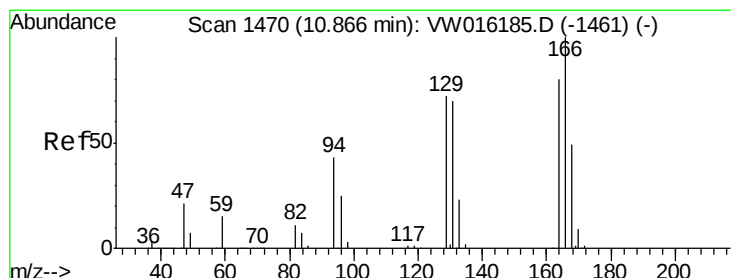
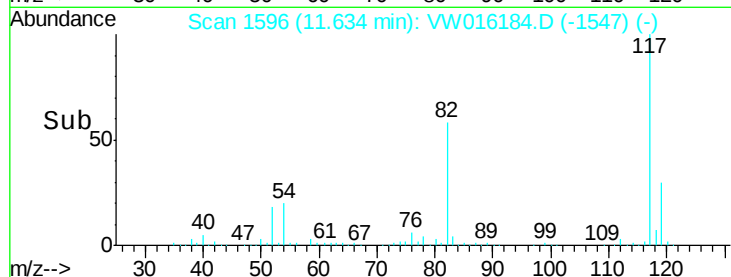
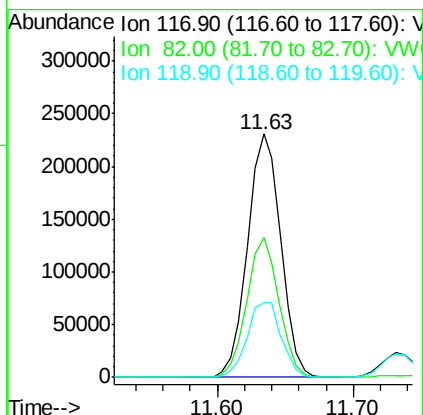
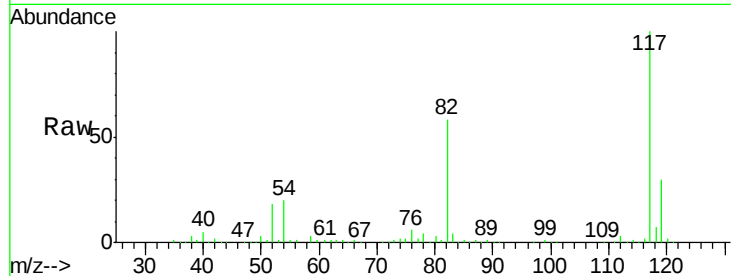




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

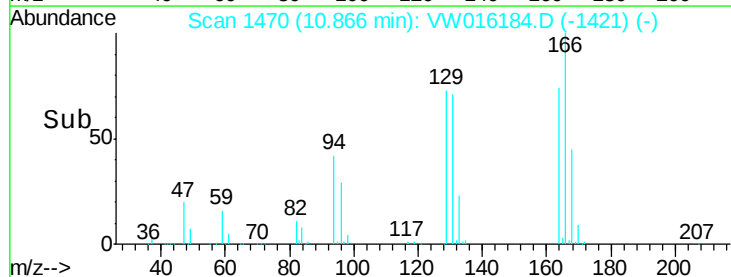
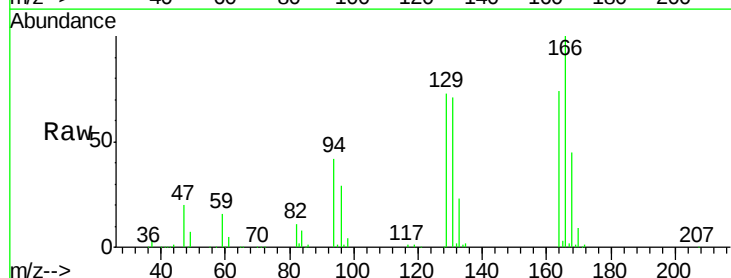
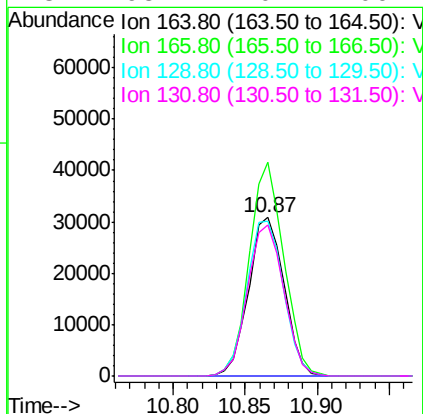
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

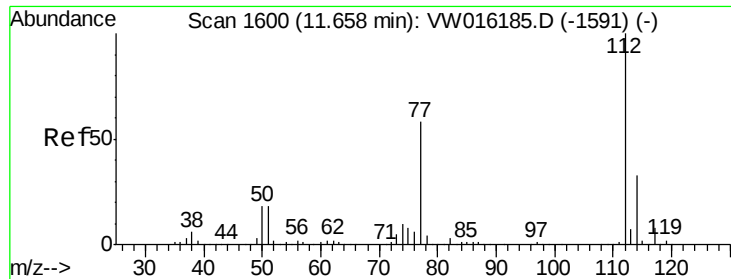
Tgt Ion:117 Resp: 395518
Ion Ratio Lower Upper
117 100
82 57.7 43.6 65.4
119 30.5 25.4 38.0



#64
Tetrachloroethene
Concen: 21.009 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion:164 Resp: 52519
Ion Ratio Lower Upper
164 100
166 134.7 100.3 150.5
129 97.7 72.2 108.4
131 95.4 70.7 106.1

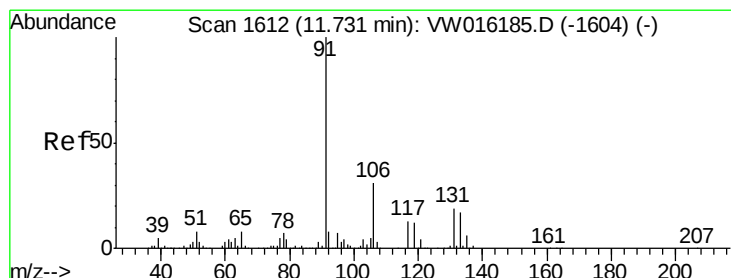
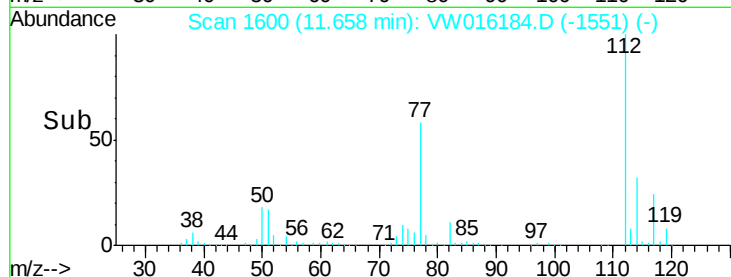
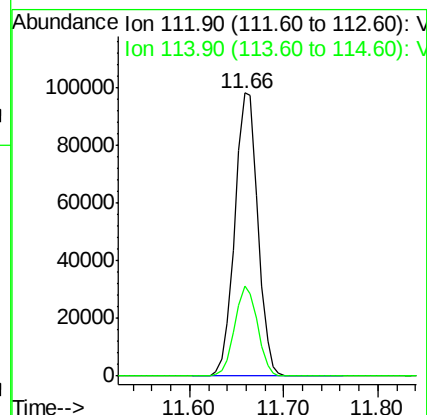
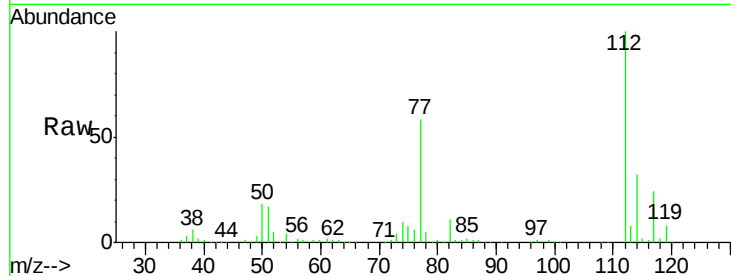




#65
Chlorobenzene
Concen: 21.559 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

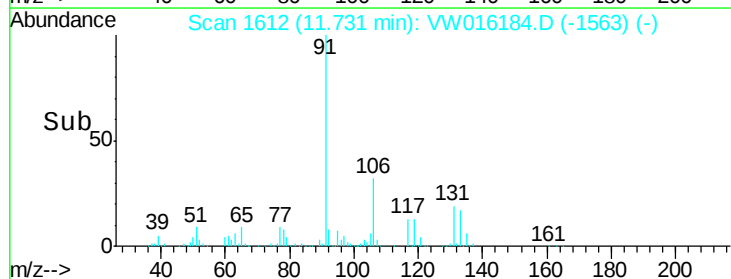
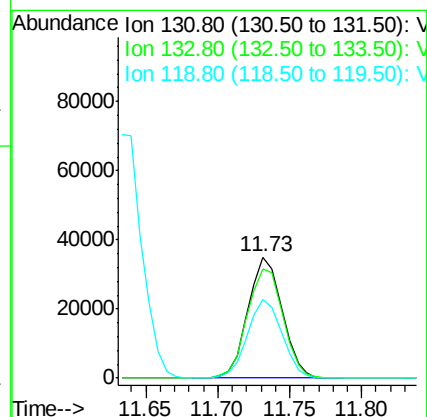
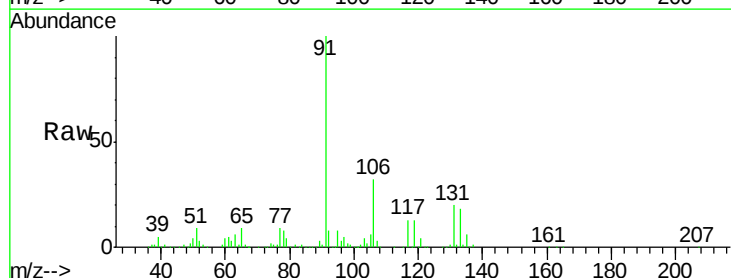
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

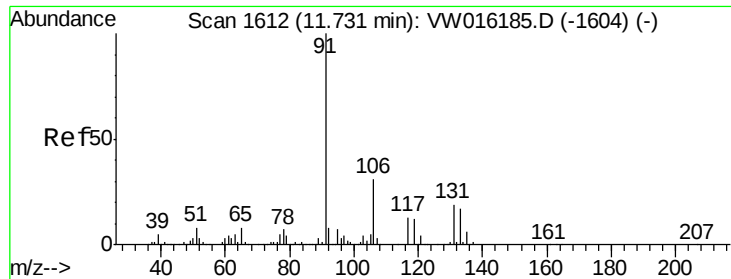
Tgt Ion:112 Resp: 166135
Ion Ratio Lower Upper
112 100
114 31.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.140 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion:131 Resp: 57601
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 65.8 33.1 99.3

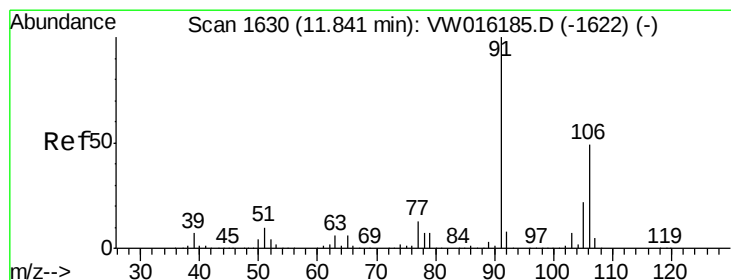
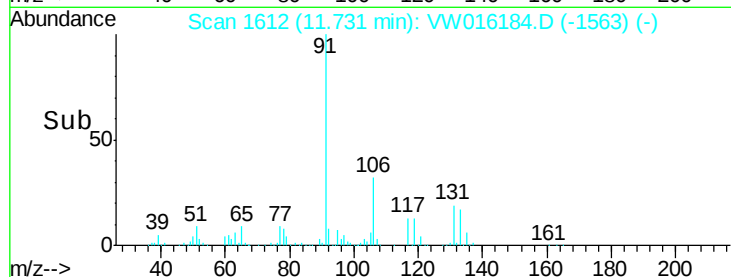
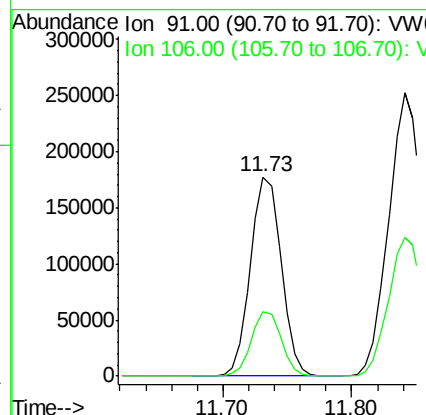
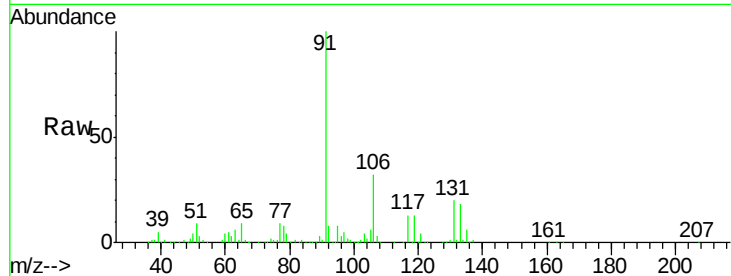




#67
Ethyl Benzene
Concen: 20.524 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

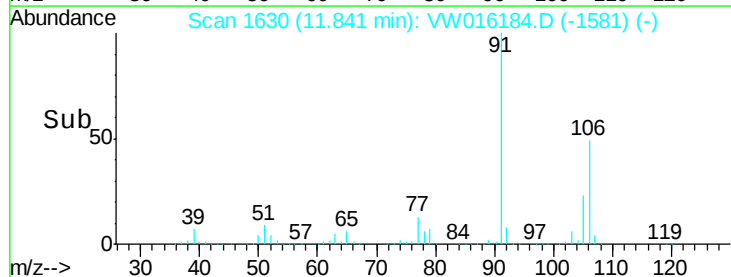
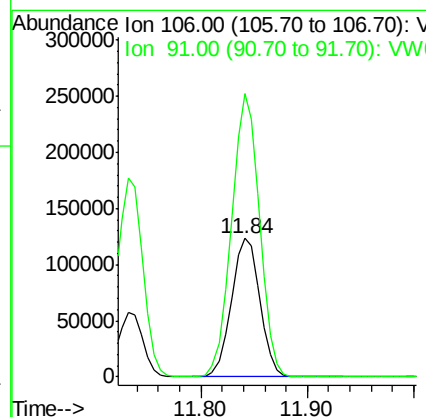
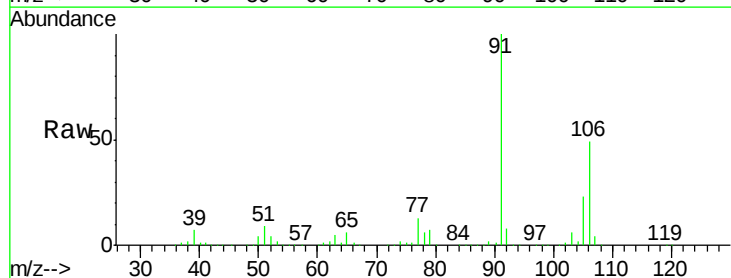
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

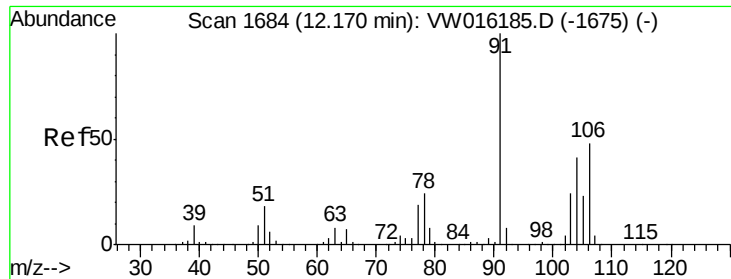
Tgt Ion: 91 Resp: 292892
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3



#68
m/p-Xylenes
Concen: 43.060 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 106 Resp: 230837
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2

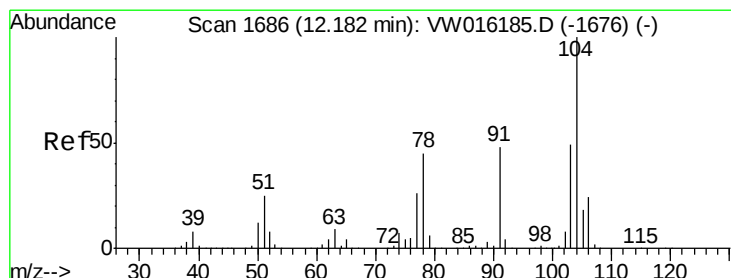
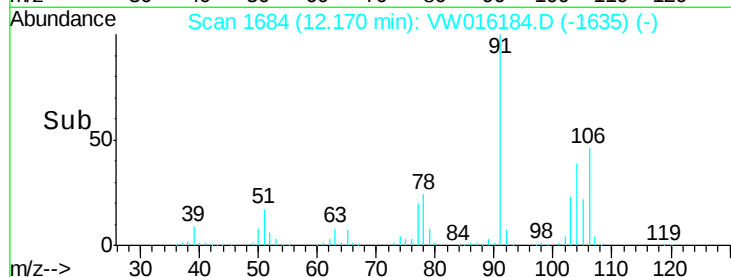
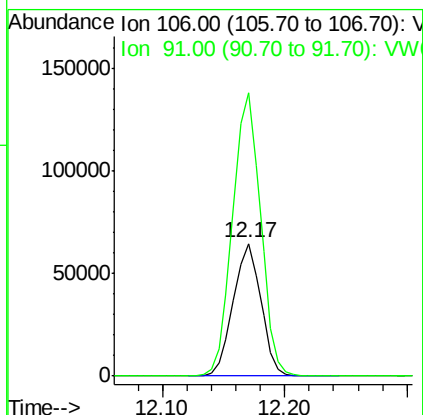
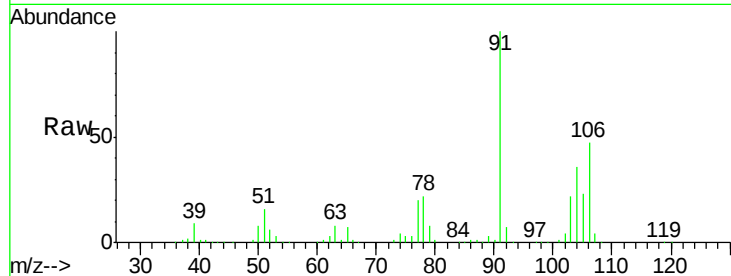




#69
o-Xylene
Concen: 20.746 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

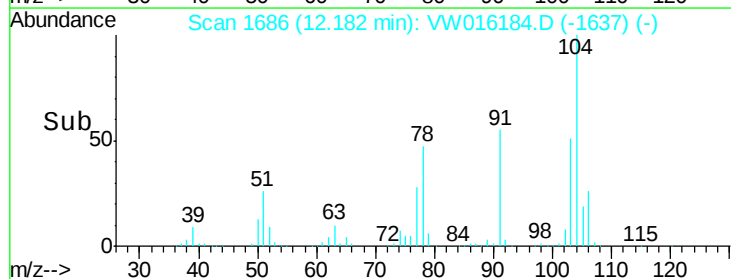
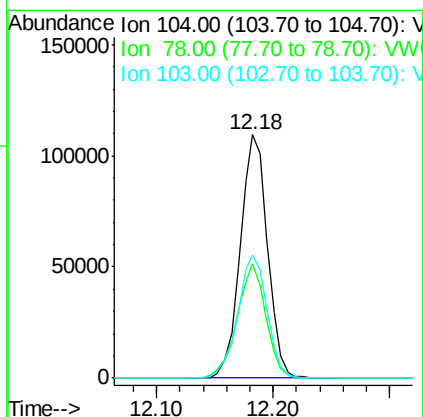
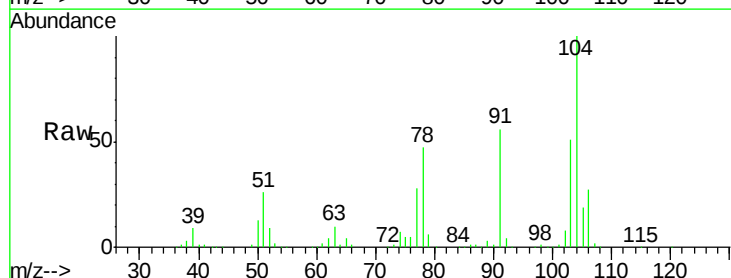
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

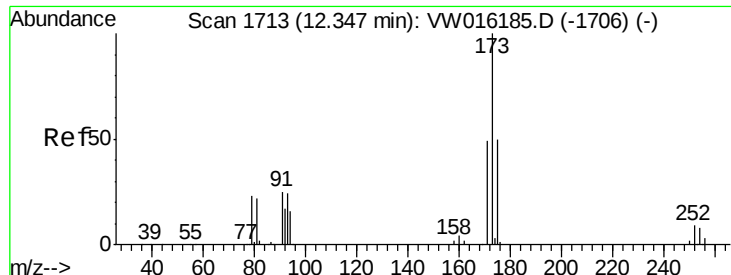
Tgt Ion:106 Resp: 101334
Ion Ratio Lower Upper
106 100
91 216.2 106.0 317.9



#70
Styrene
Concen: 21.207 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion:104 Resp: 178407
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 54.3 42.9 64.3





#71

Bromoform

Concen: 20.165 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

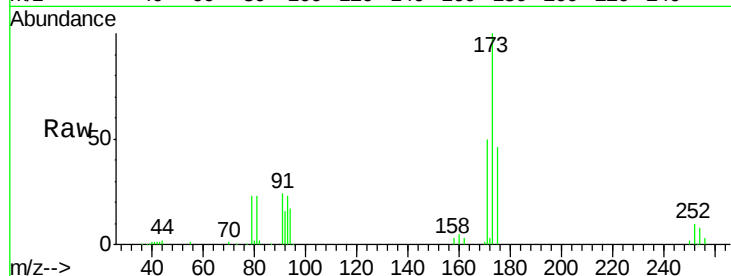
Tgt Ion:173 Resp: 25015

Ion Ratio Lower Upper

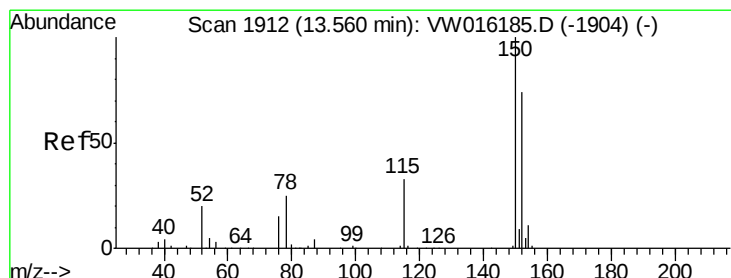
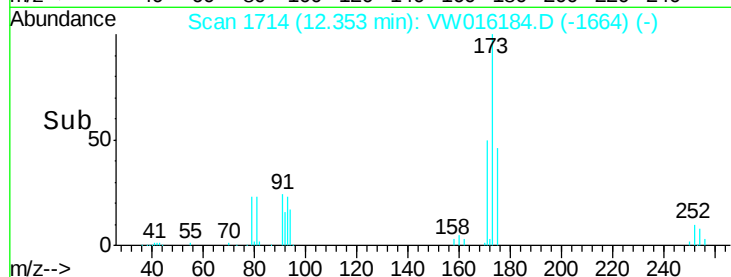
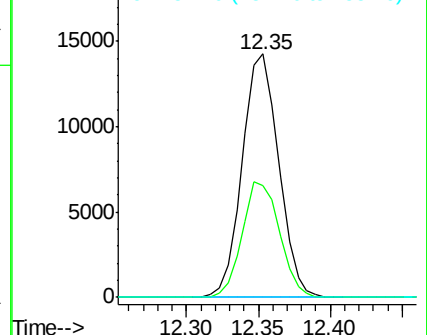
173 100

175 48.5 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: VW016184.D

Acq: 14 Aug 2020 10:37

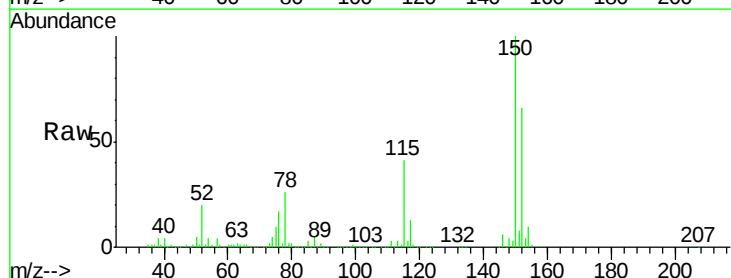
Tgt Ion:152 Resp: 189270

Ion Ratio Lower Upper

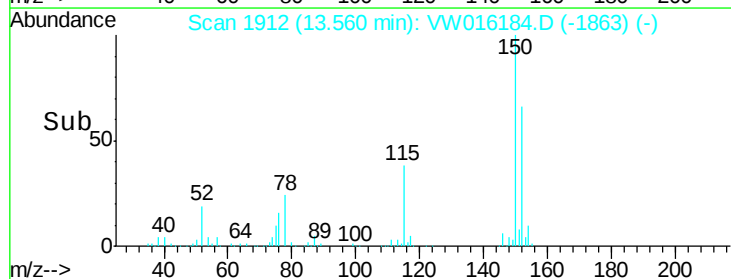
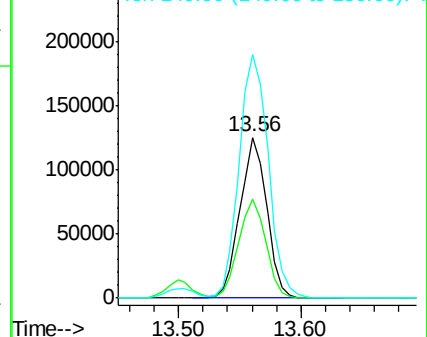
152 100

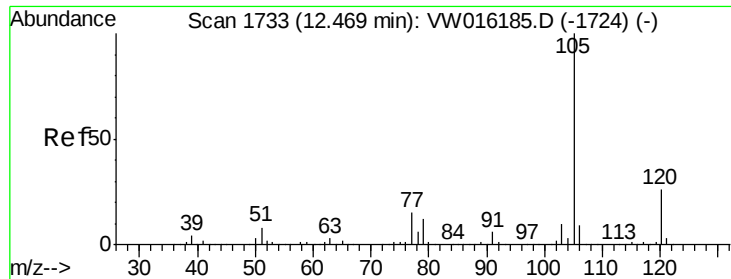
115 62.8 30.9 92.5

150 166.0 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: 21.451 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

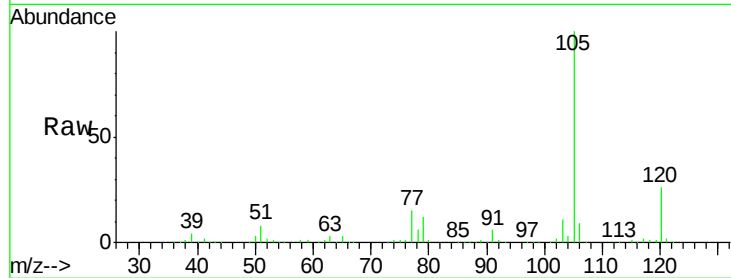
VSTDIC020

Tgt Ion: 105 Resp: 288219

Ion Ratio Lower Upper

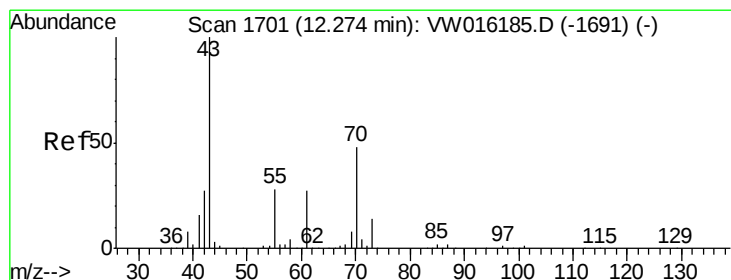
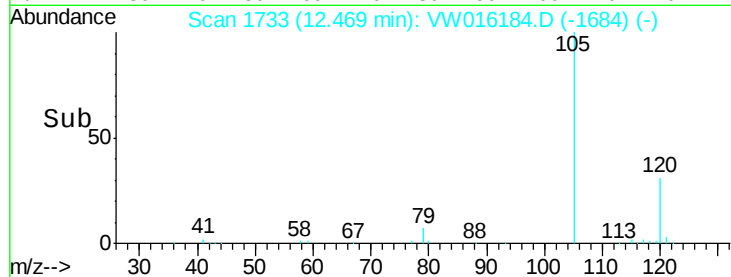
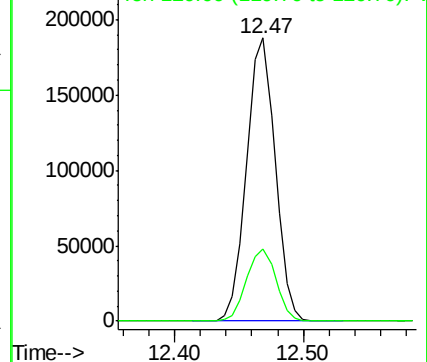
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.730 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion: 43 Resp: 49880

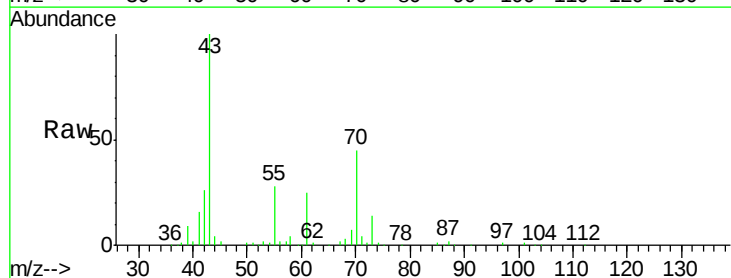
Ion Ratio Lower Upper

43 100

70 46.6 38.6 58.0

55 27.3 22.2 33.2

61 25.5 21.3 31.9

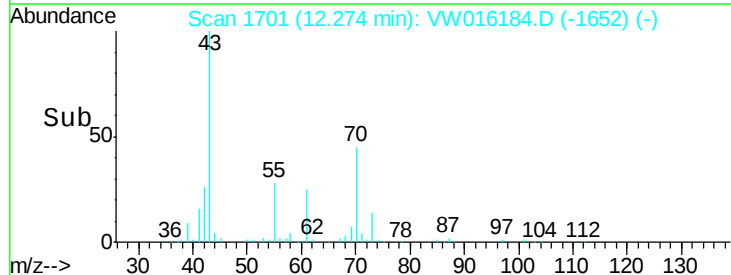
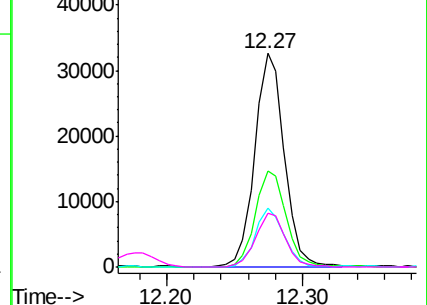


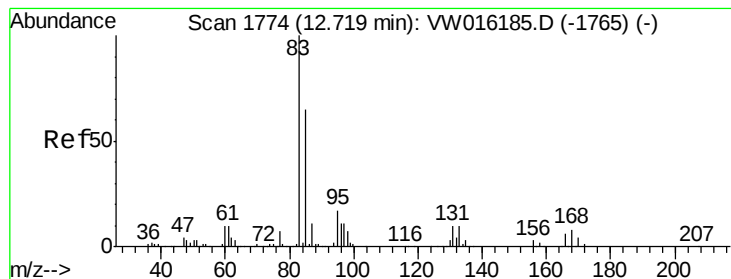
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 20.666 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

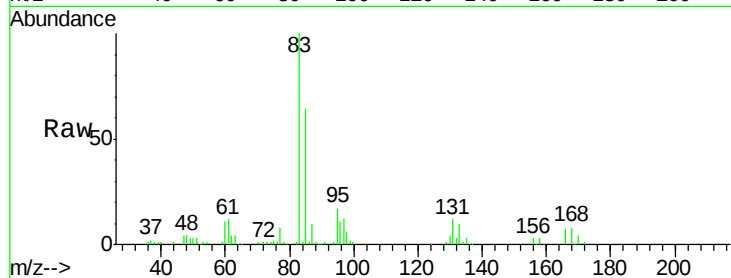
Tgt Ion: 83 Resp: 46466

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

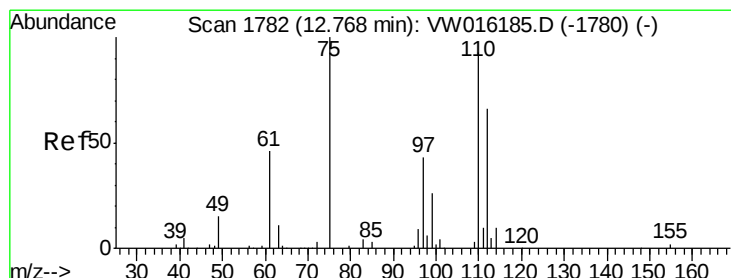
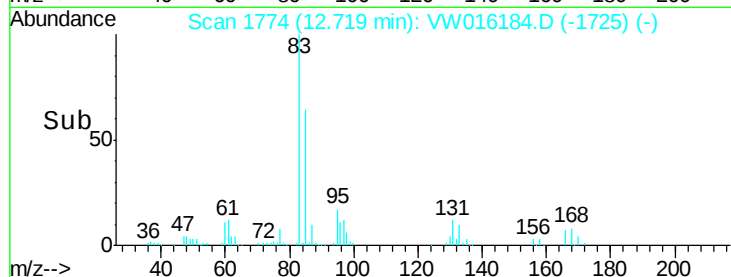
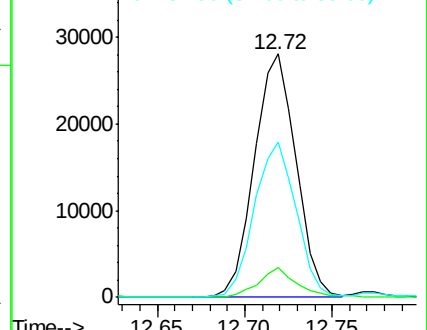
85 64.1 31.3 93.9



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: 35.357 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016184.D

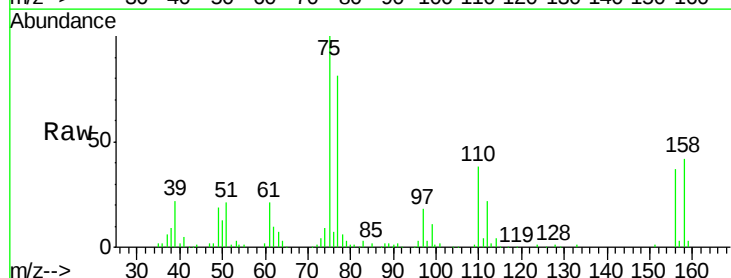
Acq: 14 Aug 2020 10:37

Tgt Ion: 75 Resp: 59243

Ion Ratio Lower Upper

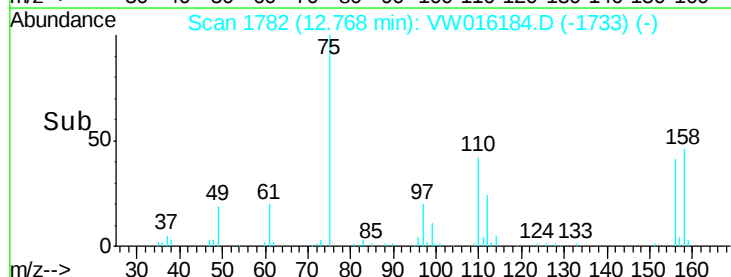
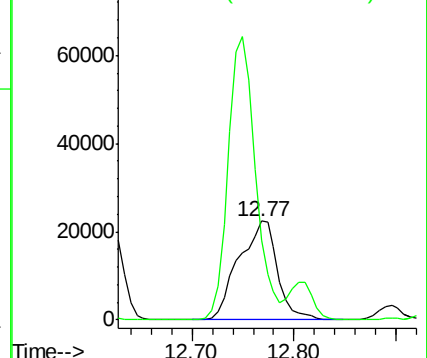
75 100

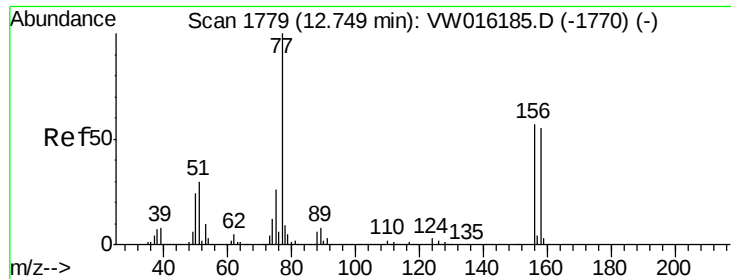
77 201.9 173.6 520.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.757 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

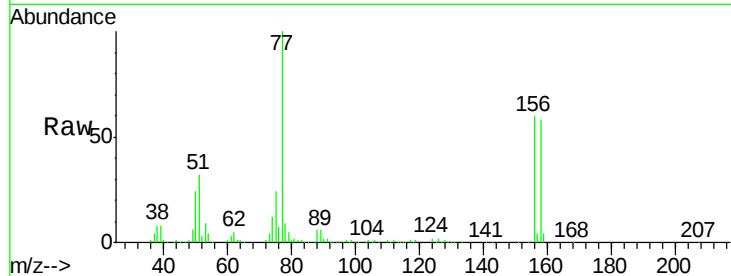
Tgt Ion:156 Resp: 62382

Ion Ratio Lower Upper

156 100

77 191.7 97.9 293.6

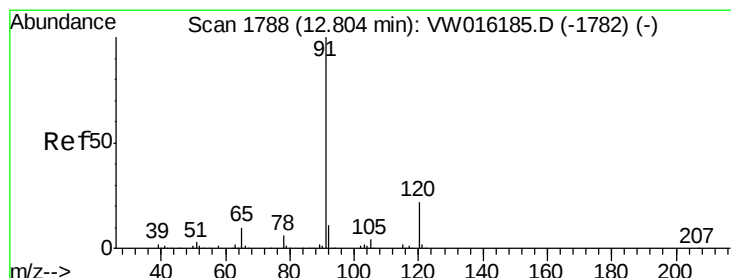
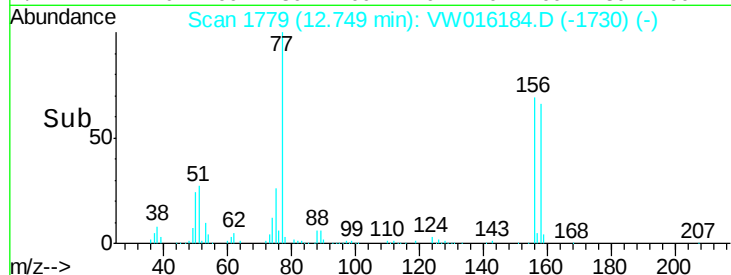
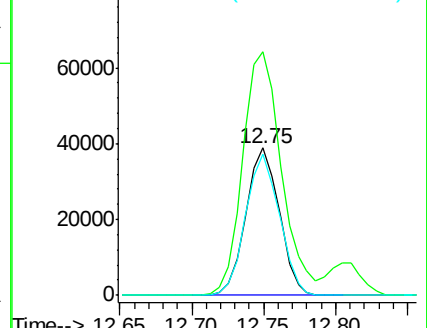
158 97.3 49.0 147.2



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: 21.107 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016184.D

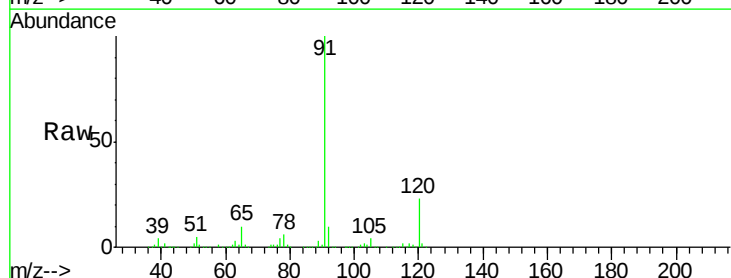
Acq: 14 Aug 2020 10:37

Tgt Ion: 91 Resp: 342983

Ion Ratio Lower Upper

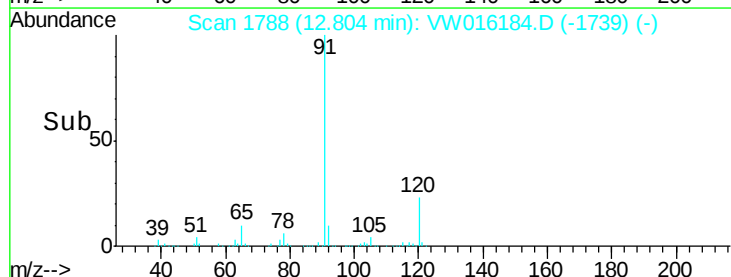
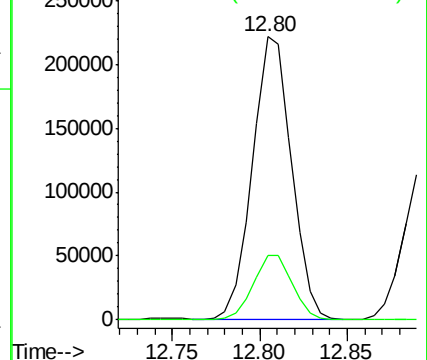
91 100

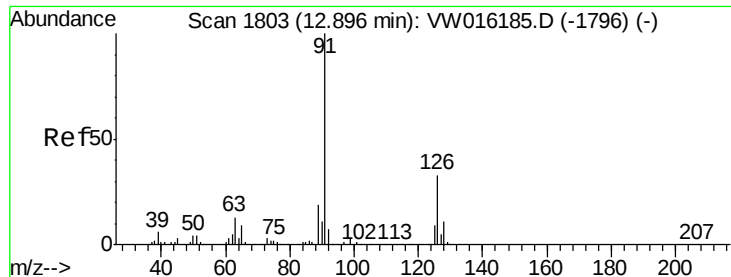
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.158 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

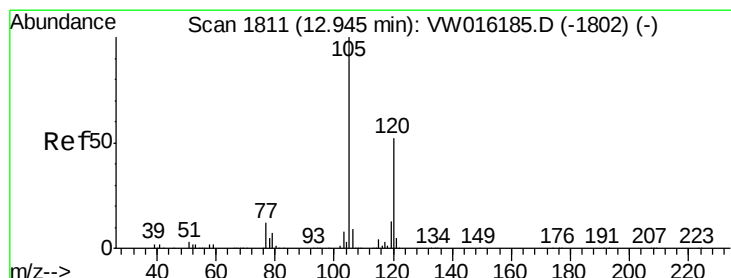
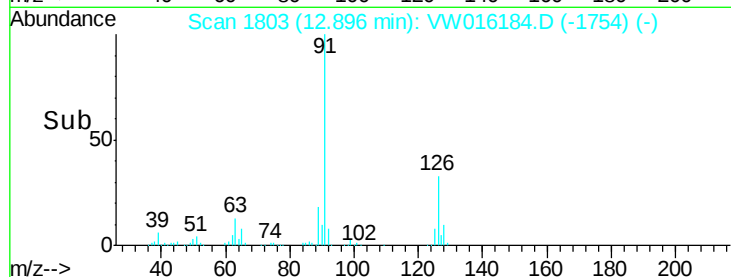
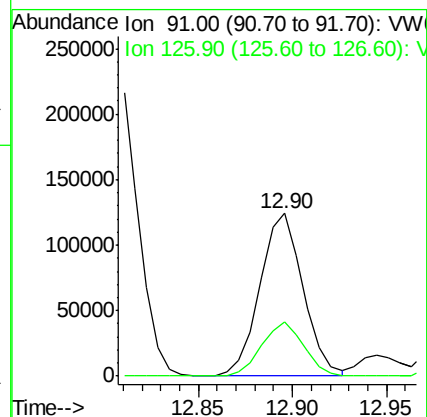
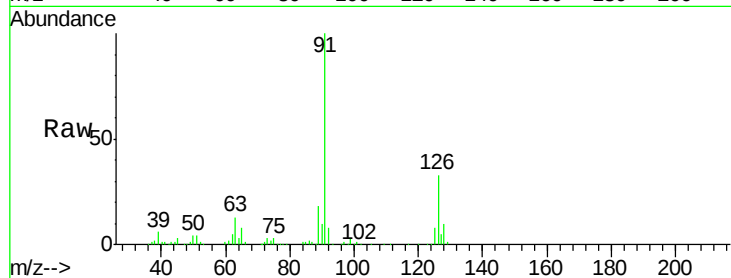
VSTDIC020

Tgt Ion: 91 Resp: 196331

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 21.956 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016184.D

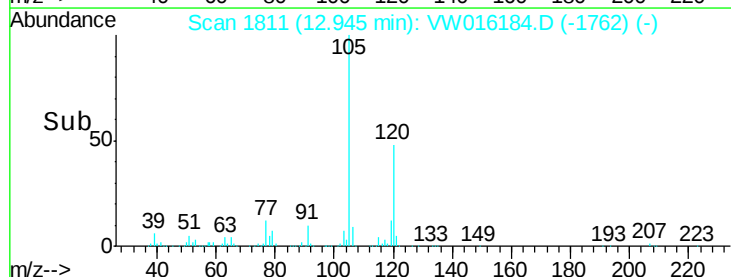
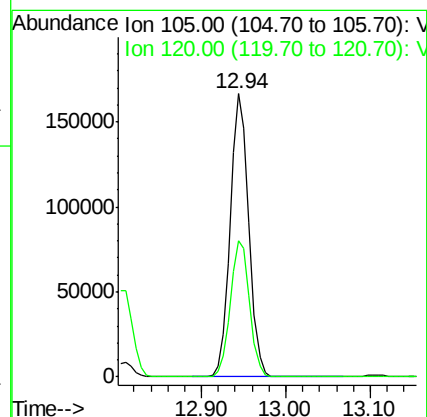
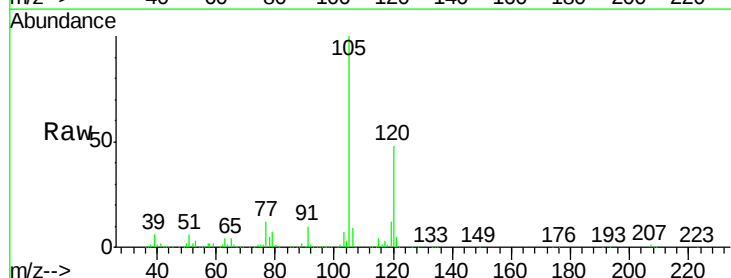
Acq: 14 Aug 2020 10:37

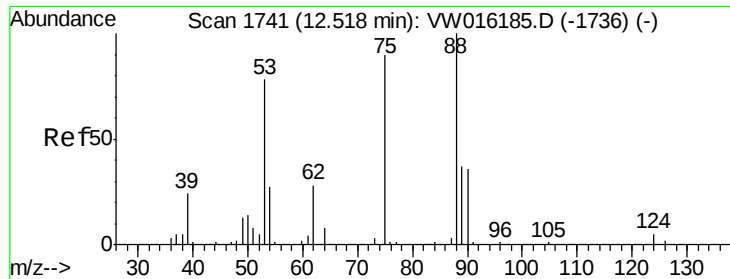
Tgt Ion: 105 Resp: 251946

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2

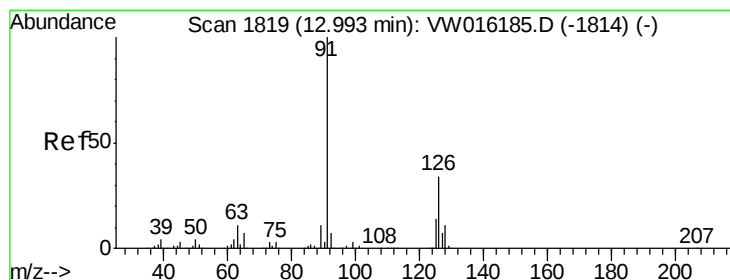
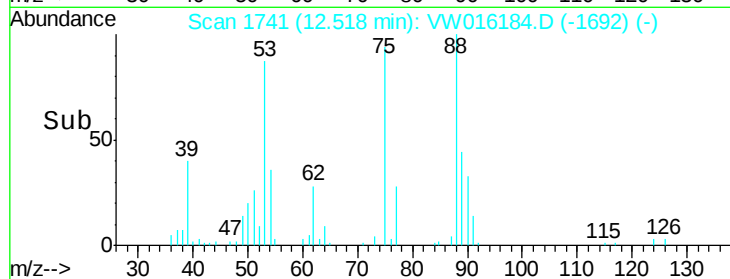
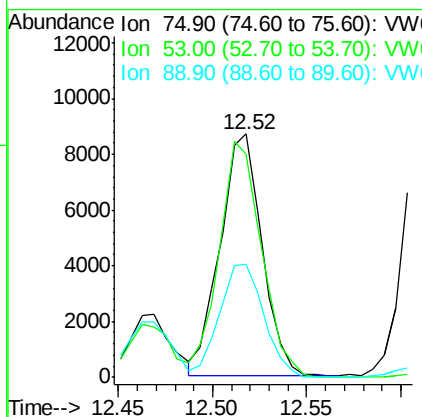
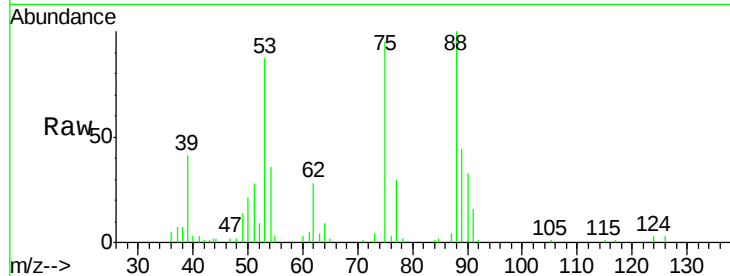




#81
trans-1,4-Dichloro-2-butene
Concen: 19.994 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

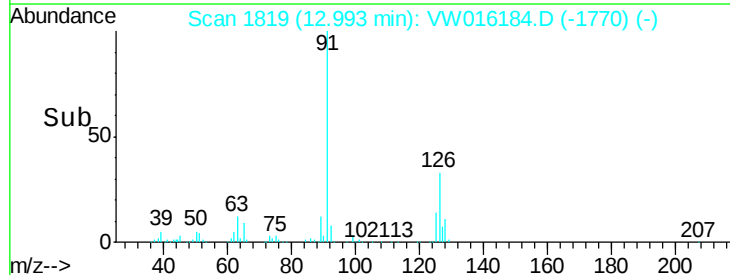
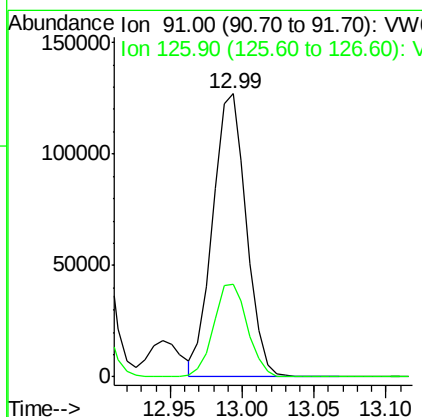
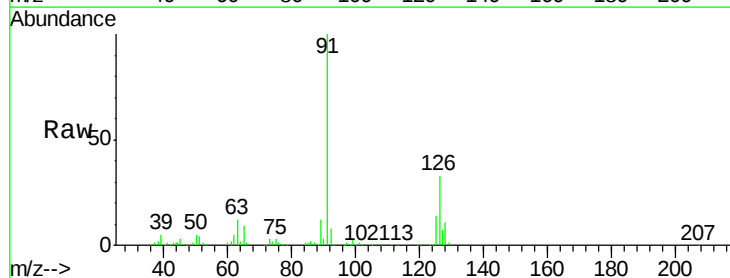
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

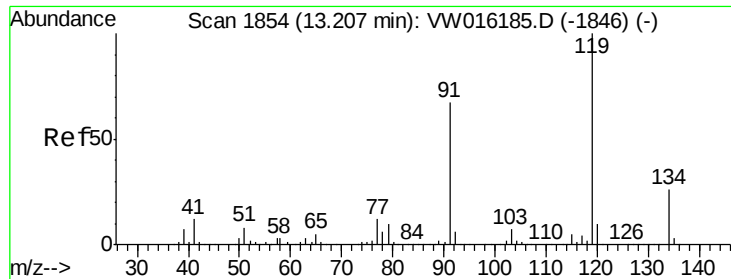
Tgt Ion: 75 Resp: 13303
Ion Ratio Lower Upper
75 100
53 99.4 74.6 111.8
89 49.8 37.2 55.8



#82
4-Chlorotoluene
Concen: 21.331 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 91 Resp: 207046
Ion Ratio Lower Upper
91 100
126 33.3 16.6 49.8

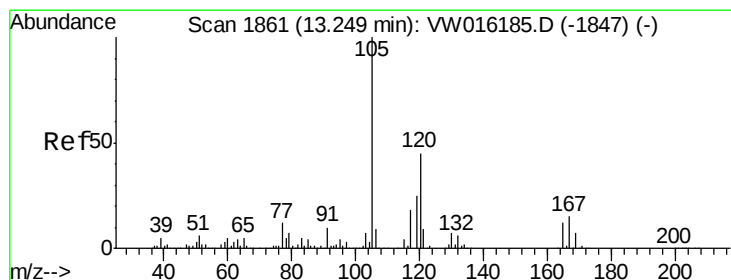
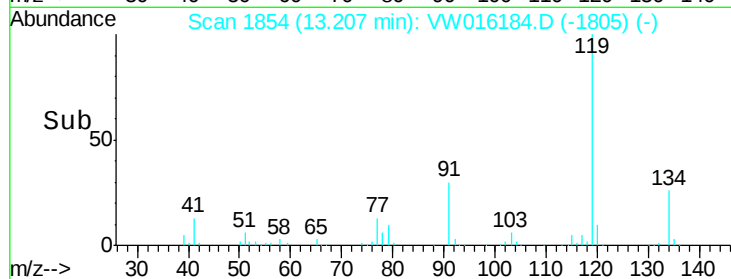
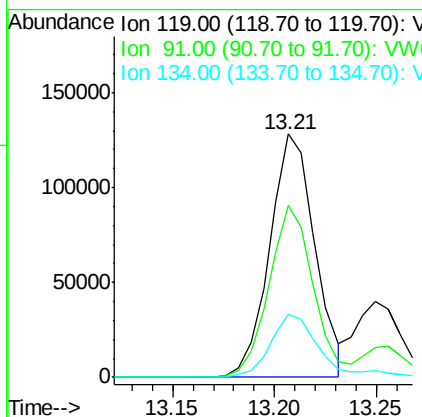
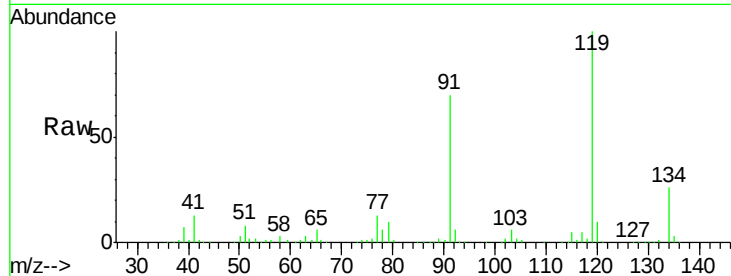




#83
 tert-Butylbenzene
 Concen: 20.824 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

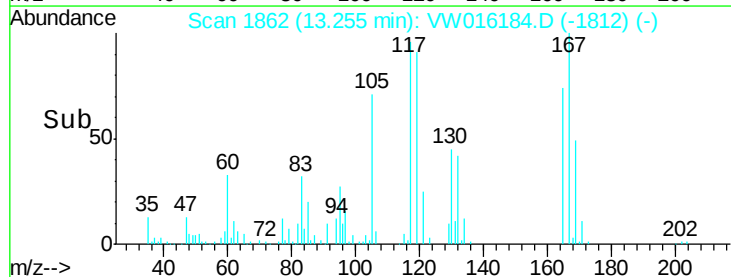
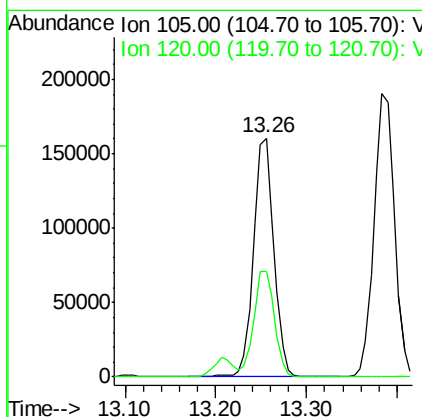
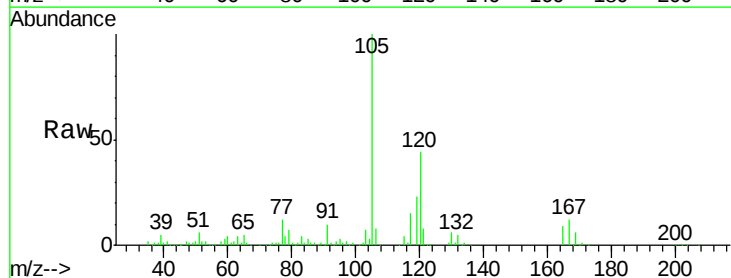
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

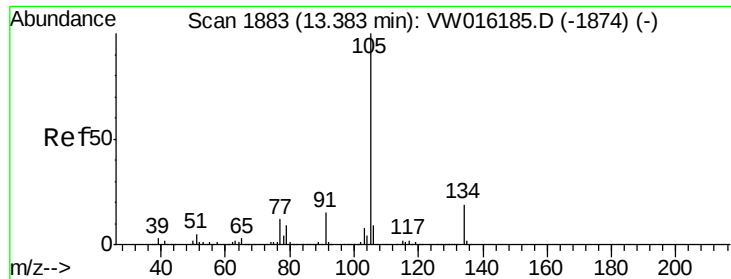
Tgt Ion:119 Resp: 197972
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.3 99.9
 134 28.4 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.769 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:105 Resp: 249414
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.2 66.6

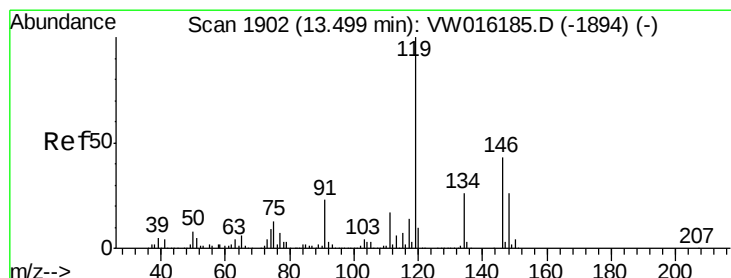
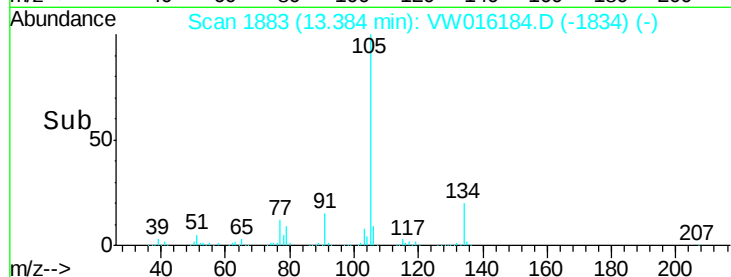
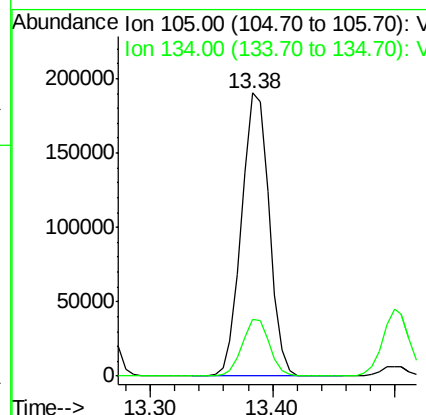
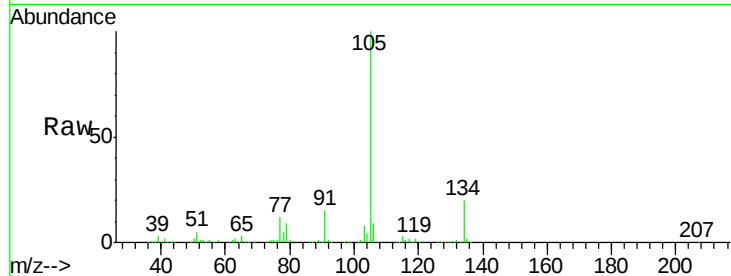




#85
 sec-Butylbenzene
 Concen: 21.596 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

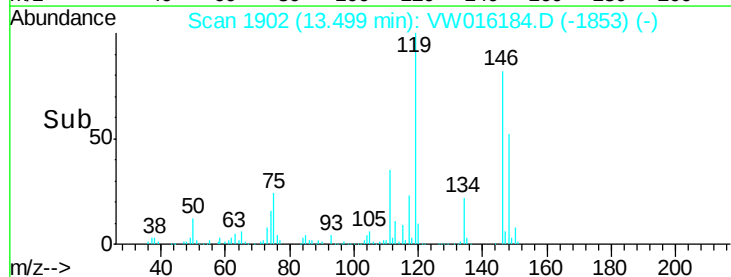
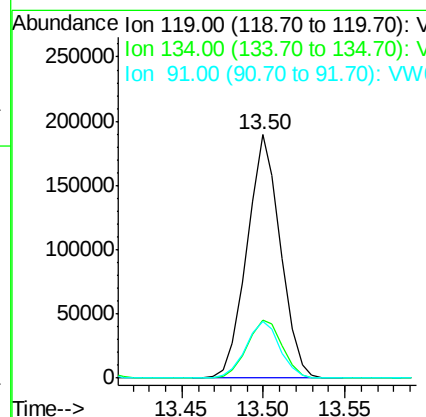
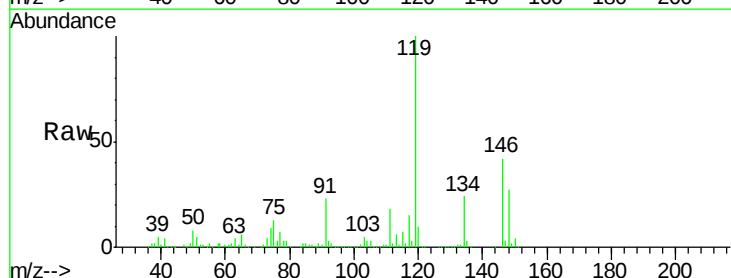
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

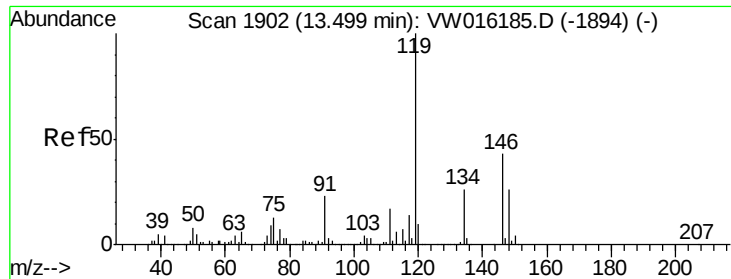
Tgt Ion:105 Resp: 296740
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 21.457 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:119 Resp: 269245
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.4
 91 23.7 11.8 35.3

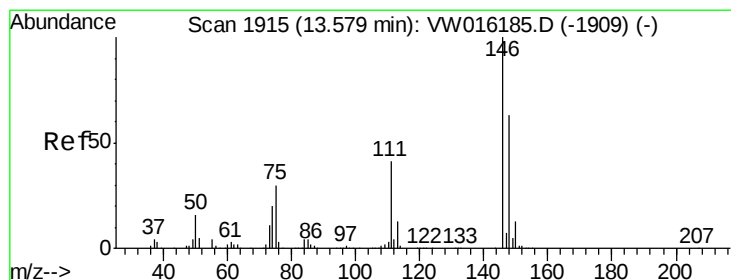
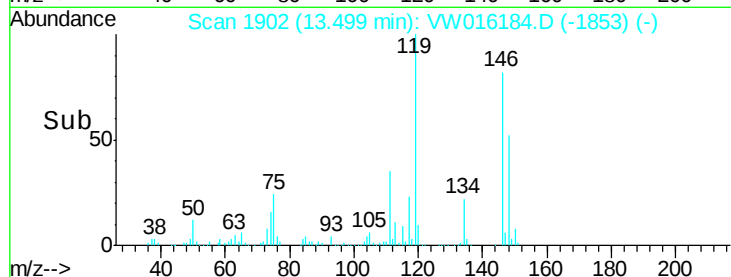
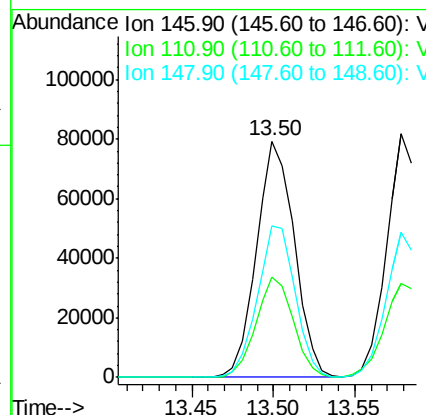
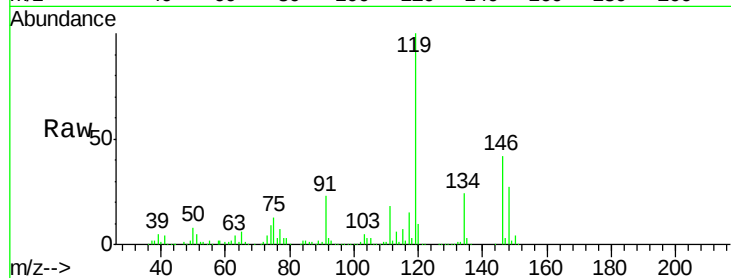




#87
 1,3-Dichlorobenzene
 Concen: 21.194 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

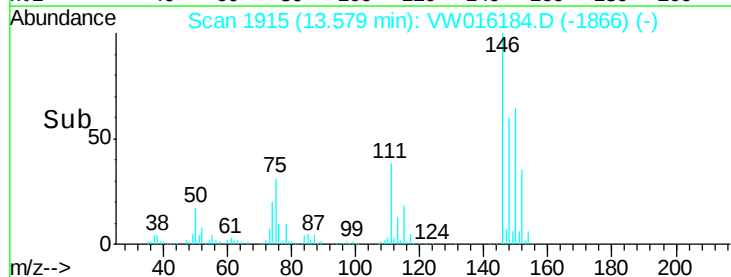
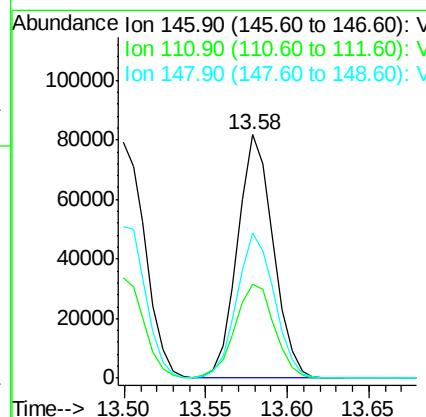
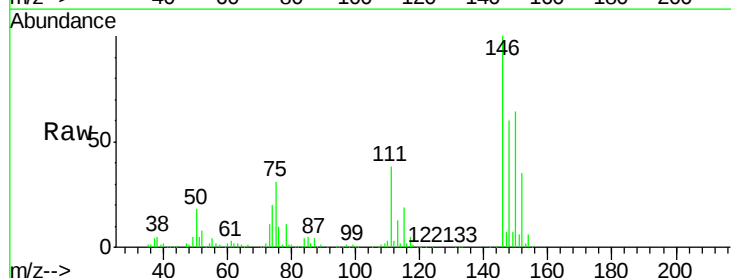
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

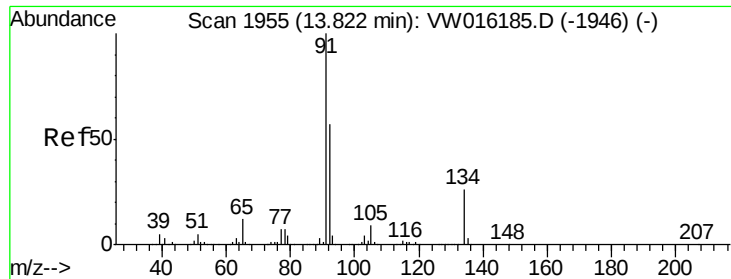
Tgt Ion:146 Resp: 127925
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.5
 148 63.8 31.1 93.5



#88
 1,4-Dichlorobenzene
 Concen: 21.215 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:146 Resp: 125113
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.2
 148 62.2 32.1 96.3





#89

n-Butylbenzene

Concen: 20.781 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

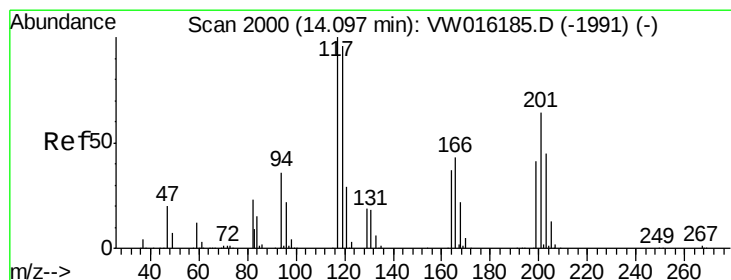
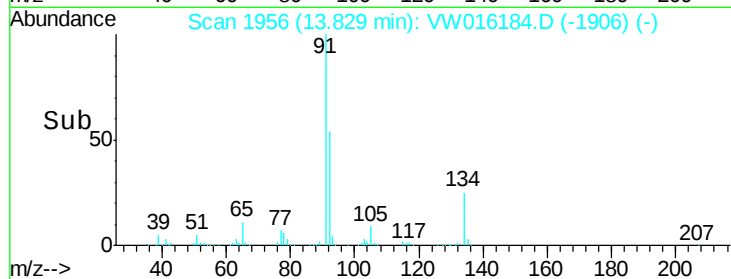
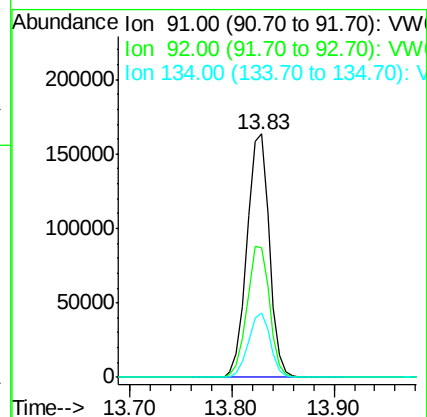
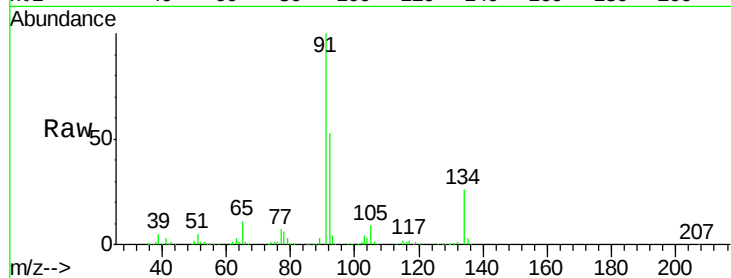
Tgt Ion: 91 Resp: 247510

Ion Ratio Lower Upper

91 100

92 54.1 27.4 82.2

134 25.9 13.0 39.0



#90

Hexachloroethane

Concen: 21.079 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016184.D

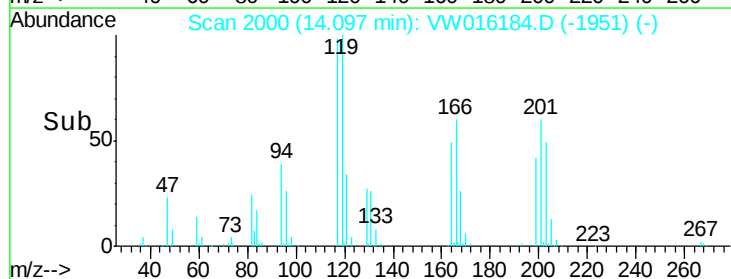
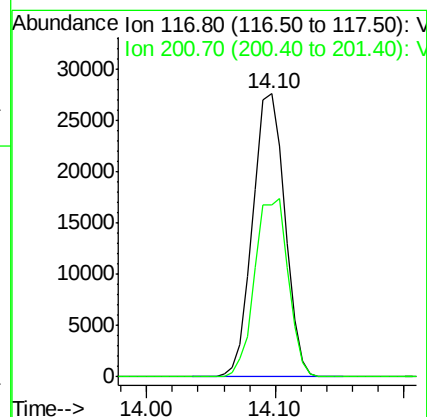
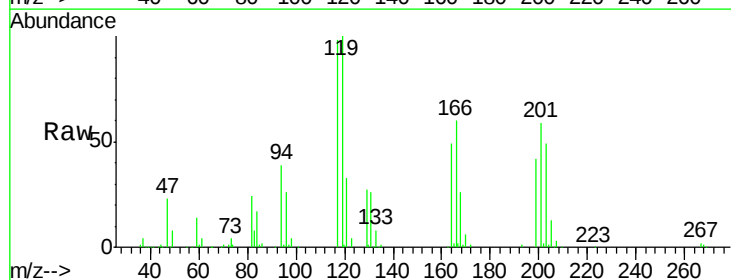
Acq: 14 Aug 2020 10:37

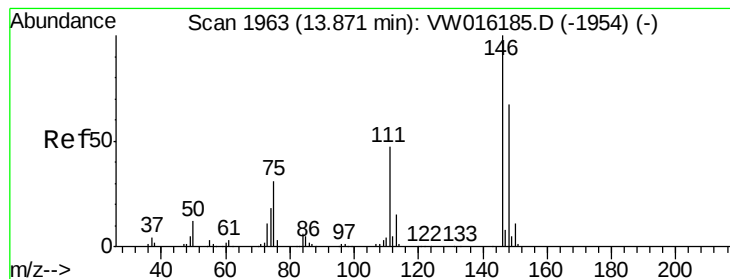
Tgt Ion: 117 Resp: 47767

Ion Ratio Lower Upper

117 100

201 65.2 33.8 101.3





#91

1,2-Dichlorobenzene

Concen: 21.820 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

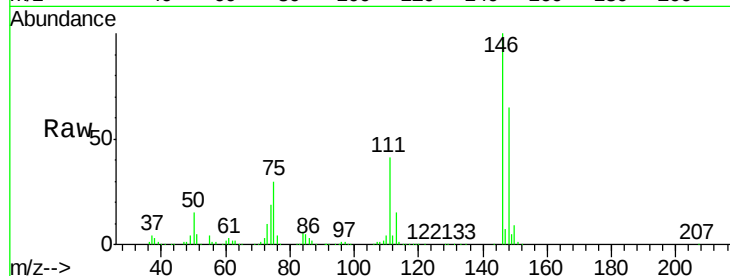
Tgt Ion:146 Resp: 113442

Ion Ratio Lower Upper

146 100

111 42.6 21.9 65.8

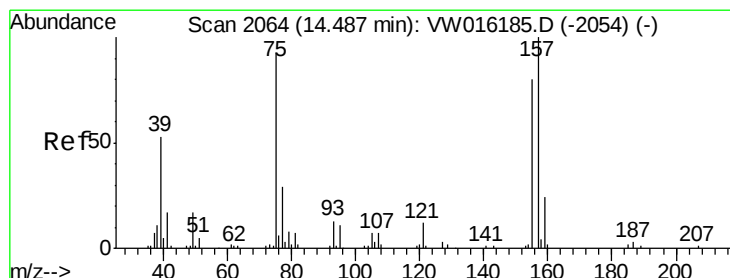
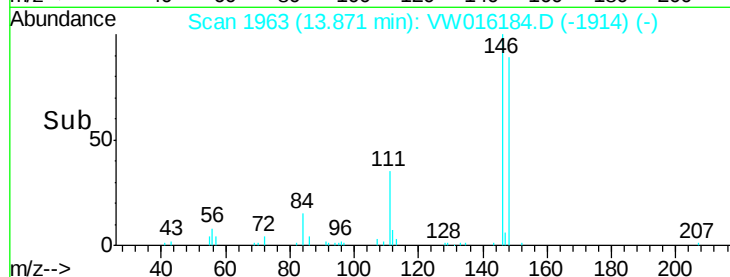
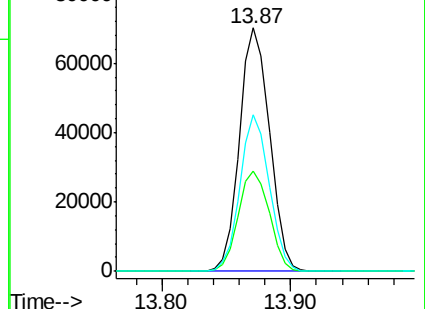
148 62.8 32.1 96.3



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: 19.414 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

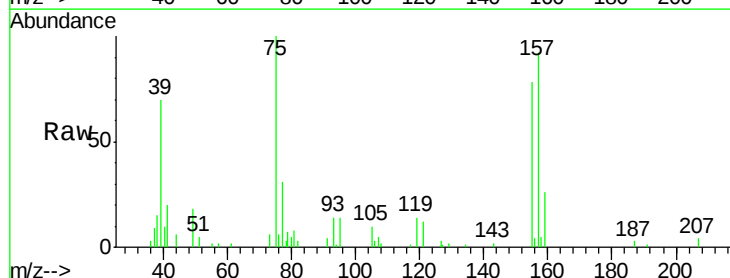
Tgt Ion: 75 Resp: 6949

Ion Ratio Lower Upper

75 100

155 79.5 41.3 124.1

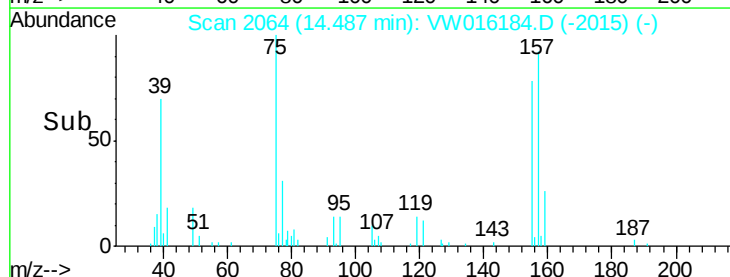
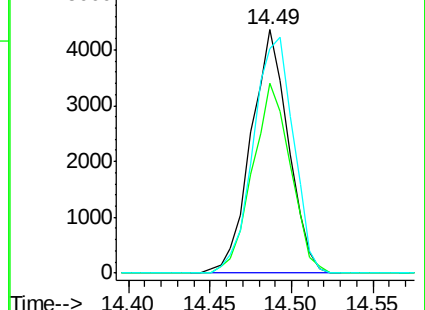
157 103.9 53.0 159.0

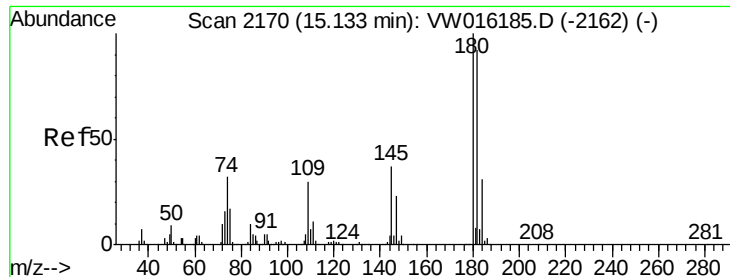


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

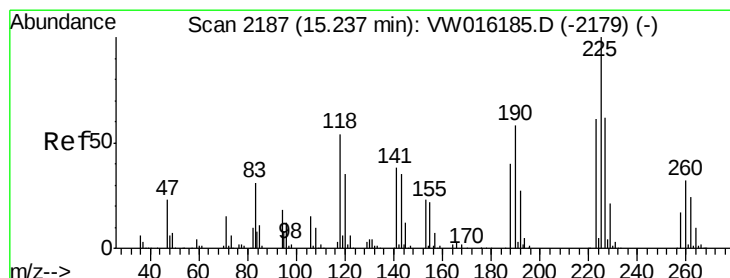
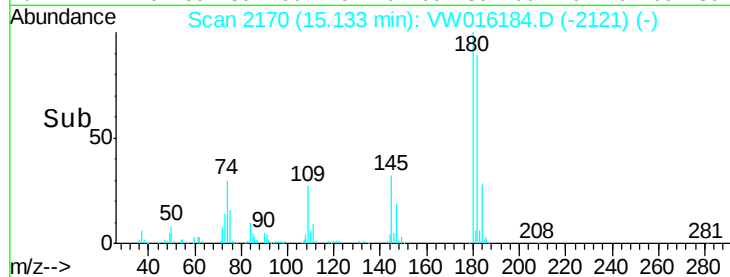
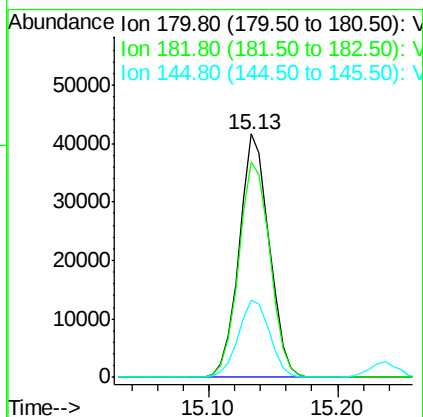
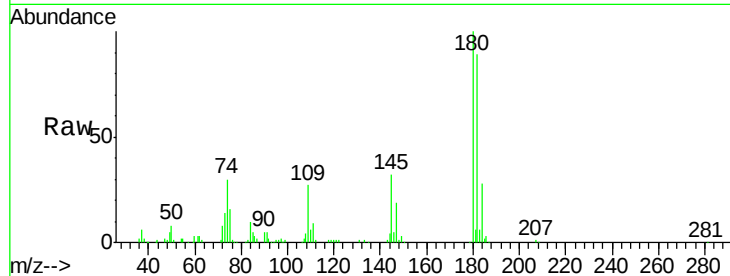




#93
 1,2,4-Trichlorobenzene
 Concen: 20.499 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

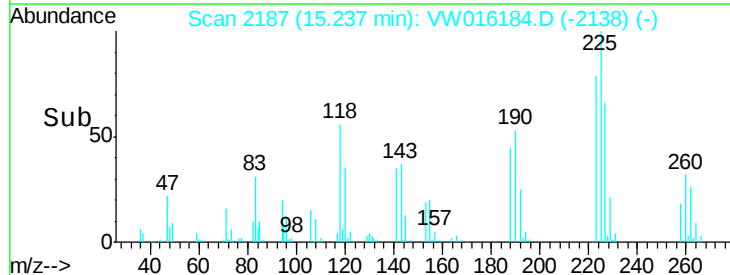
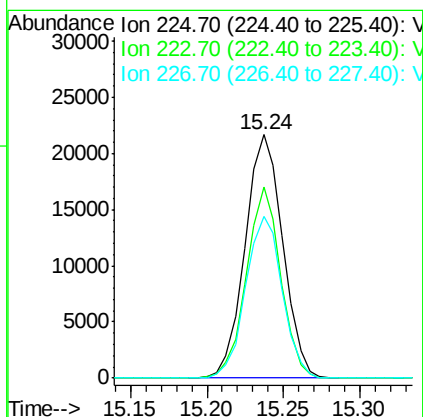
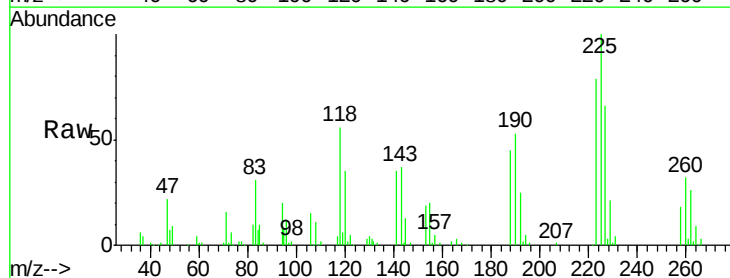
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

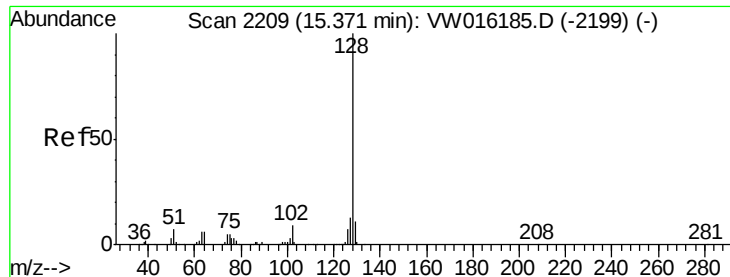
Tgt Ion:180 Resp: 67028
 Ion Ratio Lower Upper
 180 100
 182 91.9 46.0 138.0
 145 32.9 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 18.187 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:225 Resp: 37097
 Ion Ratio Lower Upper
 225 100
 223 71.5 33.0 99.0
 227 64.4 32.0 96.2

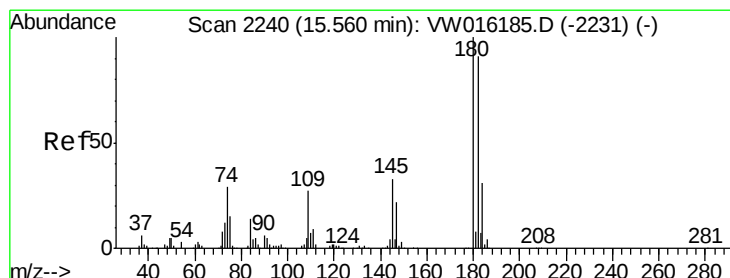
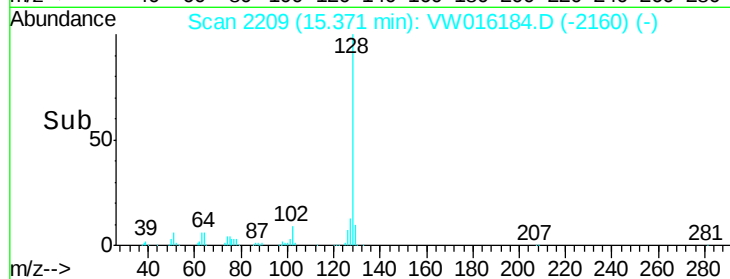
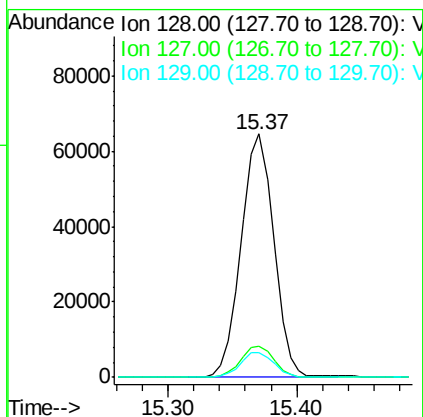
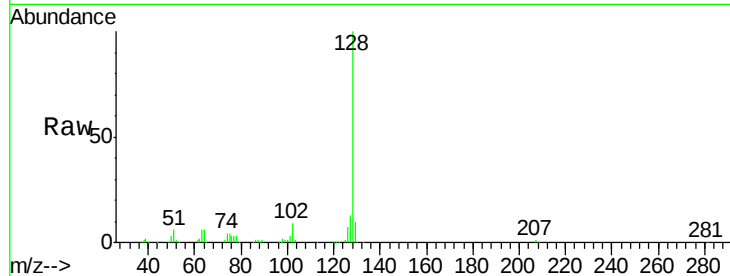




#95
Naphthalene
Concen: 20.227 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 113600
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.603 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion:180 Resp: 55190
Ion Ratio Lower Upper
180 100
182 97.8 47.7 143.1
145 36.2 17.4 52.3

