

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016860.D
 Acq On : 09 Oct 2020 14:36
 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: Oct 10 04:59:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	389219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	556063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	503089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	258572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	61216	19.34	ug/l	0.00
Spiked Amount			Recovery	=	38.68%	
35) Dibromofluoromethane	7.88	113	67525	19.81	ug/l	0.00
Spiked Amount			Recovery	=	39.62%	
50) Toluene-d8	10.32	98	256431	20.07	ug/l	0.00
Spiked Amount			Recovery	=	40.14%	
62) 4-Bromofluorobenzene	12.62	95	87484	19.85	ug/l	0.00
Spiked Amount			Recovery	=	39.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	49572	23.350	ug/l	99
3) Chloromethane	2.21	50	47734	20.507	ug/l	96
4) Vinyl Chloride	2.37	62	72190	21.446	ug/l	96
5) Bromomethane	2.79	94	52762	20.410	ug/l	94
6) Chloroethane	2.93	64	44656	20.847	ug/l	94
7) Trichlorofluoromethane	3.26	101	49230	20.089	ug/l	99
8) Diethyl Ether	3.68	74	30327	19.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	67959	20.595	ug/l	99
10) Methyl Iodide	4.28	142	106358	20.161	ug/l	98
11) Tert butyl alcohol	5.21	59	14572	87.180	ug/l #	95
12) 1,1-Dichloroethene	4.04	96	65998	20.263	ug/l	92
13) Acrolein	3.90	56	20587	98.422	ug/l	98
14) Allyl chloride	4.67	41	78005	20.007	ug/l	99
15) Acrylonitrile	5.38	53	49466	97.087	ug/l	100
16) Acetone	4.15	43	46934	91.533	ug/l	100
17) Carbon Disulfide	4.39	76	176109	20.322	ug/l	99
18) Methyl Acetate	4.68	43	22207	18.883	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	71311	20.314	ug/l	97
20) Methylene Chloride	4.92	84	76739	18.886	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	73010	19.967	ug/l	97
22) Diisopropyl ether	6.32	45	145132	20.481	ug/l	99
23) Vinyl Acetate	6.26	43	443597	97.697	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113285	20.161	ug/l	99
25) 2-Butanone	7.18	43	62920	92.044	ug/l	98
26) 2,2-Dichloropropane	7.17	77	68177	19.832	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	78828	20.128	ug/l	99
28) Bromochloromethane	7.52	49	44394	19.741	ug/l	98
29) Tetrahydrofuran	7.54	42	36368	94.982	ug/l	99
30) Chloroform	7.68	83	124058	20.309	ug/l	98
31) Cyclohexane	7.96	56	96253	20.083	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	103800	20.146	ug/l	98
36) 1,1-Dichloropropene	8.09	75	99188	20.629	ug/l	98
37) Ethyl Acetate	7.26	43	30741	19.573	ug/l	100
38) Carbon Tetrachloride	8.07	117	100770	20.161	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111596	20.357	ug/l	99
40) Benzene	8.33	78	273078	20.388	ug/l	98
41) Methacrylonitrile	7.49	41	18076	26.823	ug/l	94
42) 1,2-Dichloroethane	8.40	62	74980	20.465	ug/l	99
43) Isopropyl Acetate	8.43	43	58577	19.469	ug/l	99
44) Trichloroethene	9.09	130	84355	20.348	ug/l	97
45) 1,2-Dichloropropane	9.37	63	62811	20.564	ug/l	98
46) Dibromomethane	9.46	93	34674	19.847	ug/l	98
47) Bromodichloromethane	9.65	83	86668	19.951	ug/l	96
48) Methyl methacrylate	9.44	41	26982	19.461	ug/l	97
49) 1,4-Dioxane	9.48	88	7870	391.625	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	146400	96.183	ug/l	99
52) Toluene	10.39	92	179804	20.307	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	78206	19.776	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	96208	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	50594	20.345	ug/l	99
56) Ethyl methacrylate	10.65	69	52526	19.416	ug/l	97
57) 1,3-Dichloropropane	10.93	76	82713	20.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145355	96.961	ug/l	100
59) 2-Hexanone	10.97	43	96791	96.110	ug/l	99
60) Dibromochloromethane	11.13	129	59924	19.646	ug/l	100
61) 1,2-Dibromoethane	11.24	107	49388	20.054	ug/l	99
64) Tetrachloroethene	10.87	164	71906	20.061	ug/l	94
65) Chlorobenzene	11.66	112	195689	19.831	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	70150	20.102	ug/l	99
67) Ethyl Benzene	11.73	91	351882	20.464	ug/l	99
68) m/p-Xylenes	11.84	106	272919	40.809	ug/l	98
69) o-Xylene	12.17	106	123564	20.134	ug/l	100
70) Styrene	12.18	104	210122	20.572	ug/l	99
71) Bromoform	12.35	173	33899	19.349	ug/l #	95
73) Isopropylbenzene	12.47	105	345462	20.101	ug/l	100
74) N-amyl acetate	12.27	43	52715	19.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	53106	19.694	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	64278	38.533	ug/l	32
77) Bromobenzene	12.75	156	85859	20.210	ug/l	98
78) n-propylbenzene	12.80	91	405359	20.452	ug/l	100
79) 2-Chlorotoluene	12.90	91	230076	20.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	294175	20.424	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12606	17.562	ug/l	93
82) 4-Chlorotoluene	12.99	91	234603	20.100	ug/l	99
83) tert-Butylbenzene	13.21	119	256004	20.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	297495	20.729	ug/l	98
85) sec-Butylbenzene	13.38	105	351285	20.174	ug/l	100
86) p-Isopropyltoluene	13.50	119	332136	20.485	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	166332	20.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	166340	20.546	ug/l	99
89) n-Butylbenzene	13.82	91	293059	20.063	ug/l	98
90) Hexachloroethane	14.10	117	48725	19.476	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	143337	20.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7407	17.937	ug/l	97

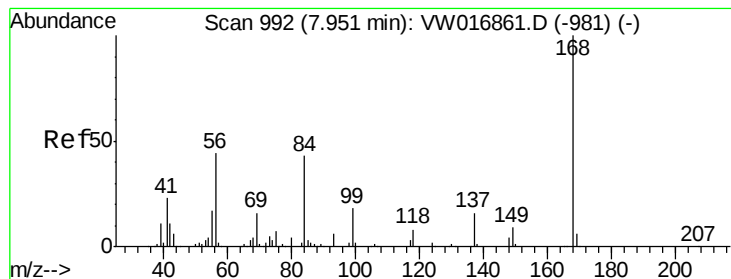
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	96604	19.752	ug/l	98
94) Hexachlorobutadiene	15.23	225	64513	20.348	ug/l	98
95) Naphthalene	15.36	128	149274	18.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	83025	19.513	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

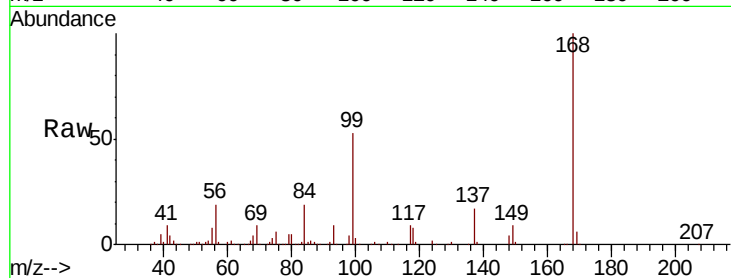
VSTDIC020

Tot Ion:168 Resp: 389219

Ion Ratio Lower Upper

168 100

99 52.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

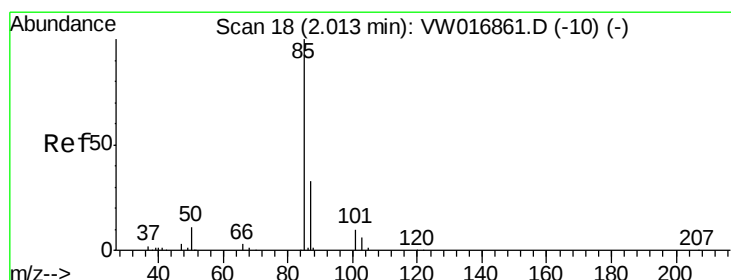
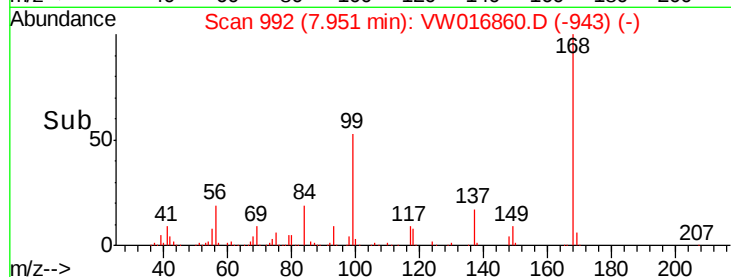
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.350 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016860.D

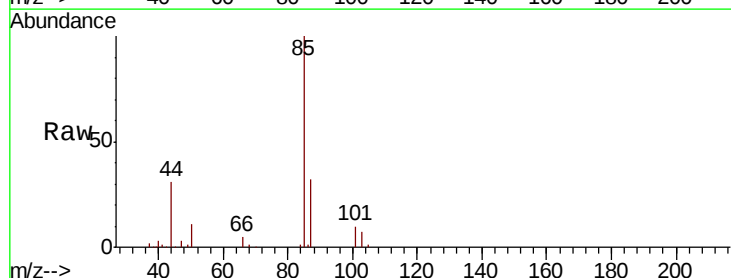
Acq: 09 Oct 2020 14:36

Tgt Ion: 85 Resp: 49572

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

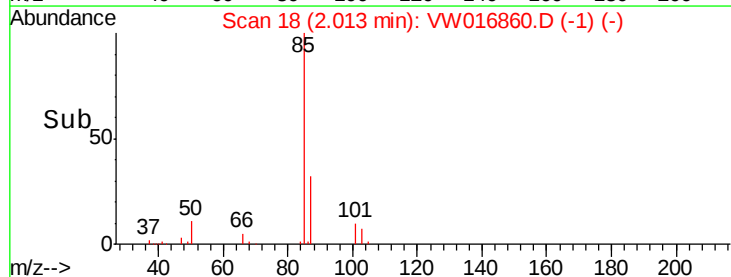
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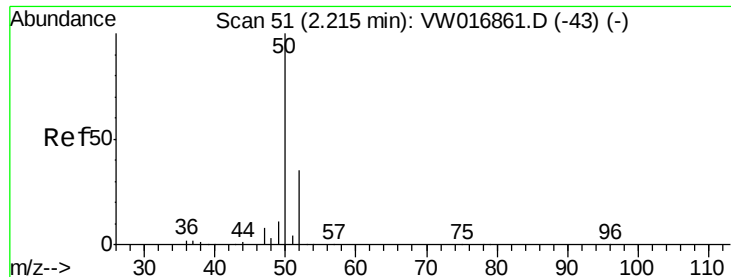
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.507 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

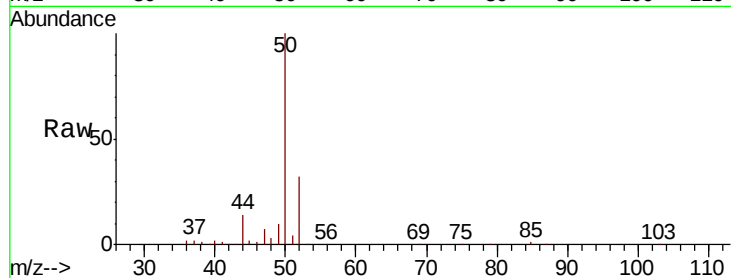
VSTDIC020

Tot Ion: 50 Resp: 47734

Ion Ratio Lower Upper

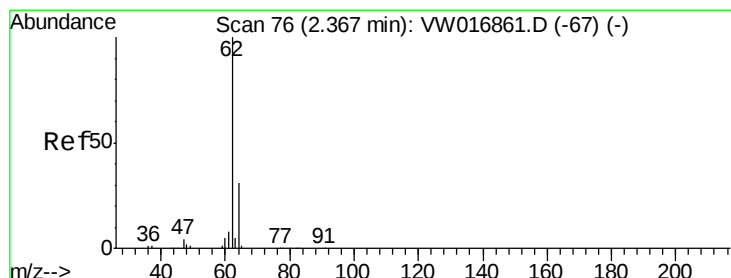
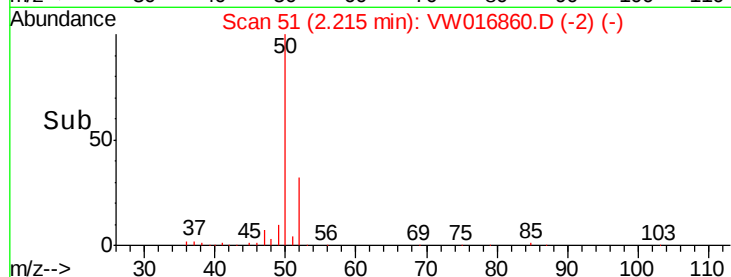
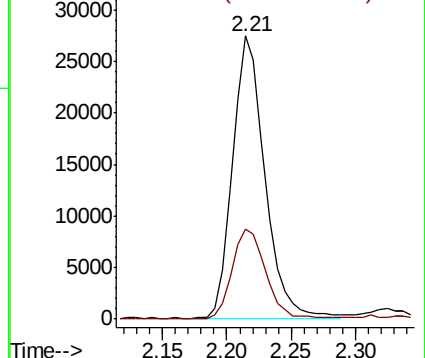
50 100

52 32.2 27.6 41.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.446 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016860.D

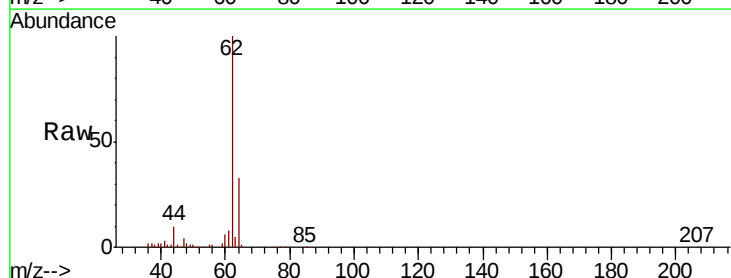
Acq: 09 Oct 2020 14:36

Tgt Ion: 62 Resp: 72190

Ion Ratio Lower Upper

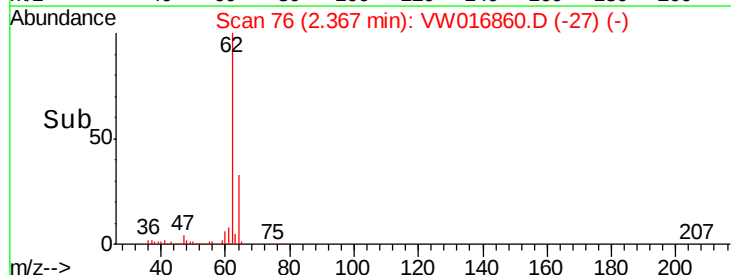
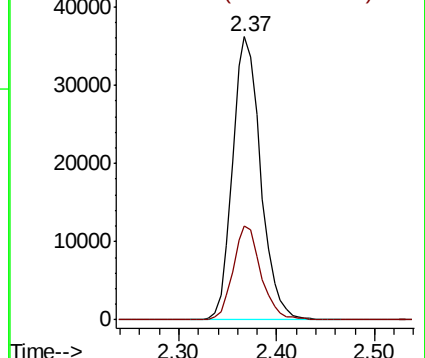
62 100

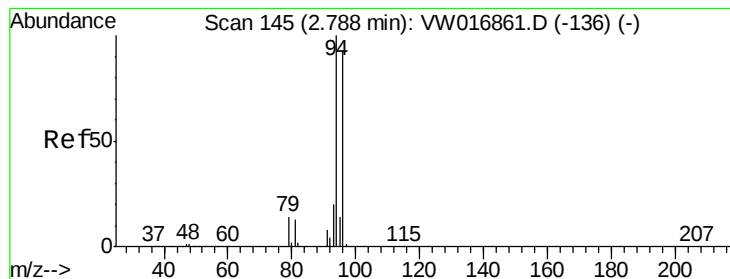
64 33.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.410 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

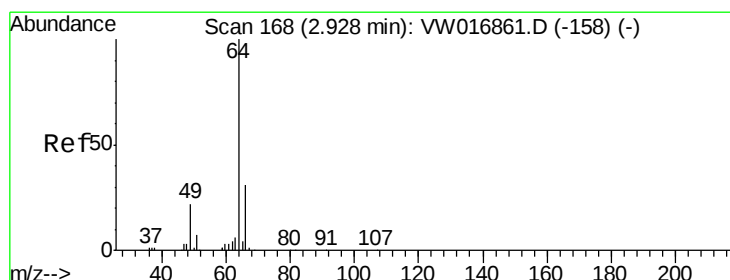
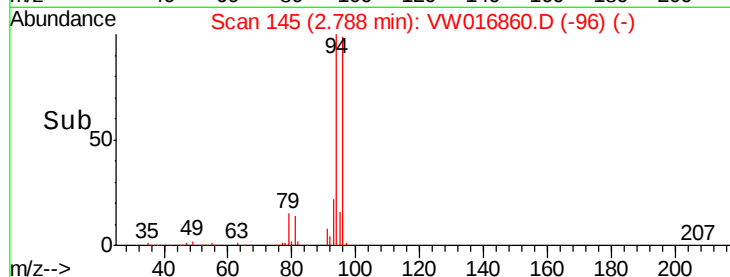
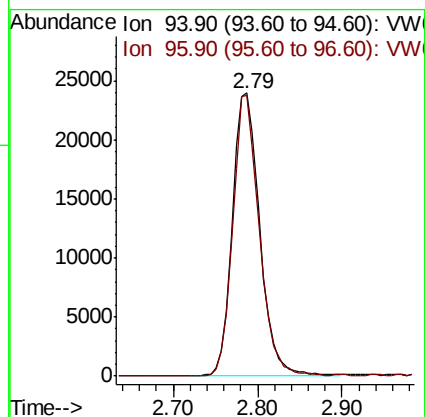
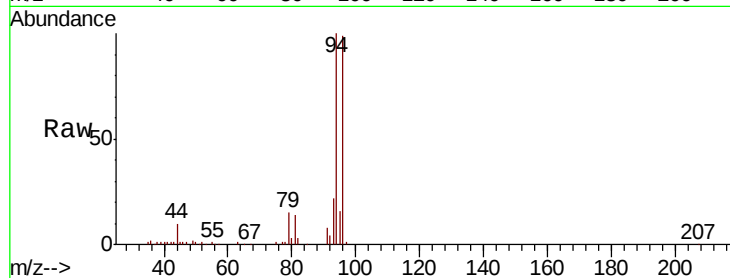
VSTDIC020

Tot Ion: 94 Resp: 52762

Ion Ratio Lower Upper

94 100

96 99.4 74.7 112.1



#6

Chloroethane

Concen: 20.847 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016860.D

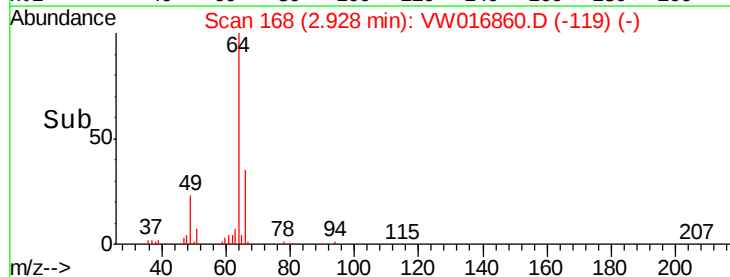
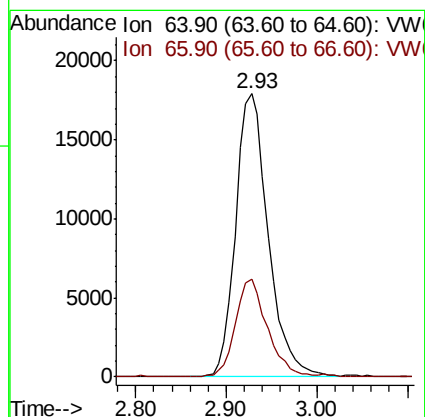
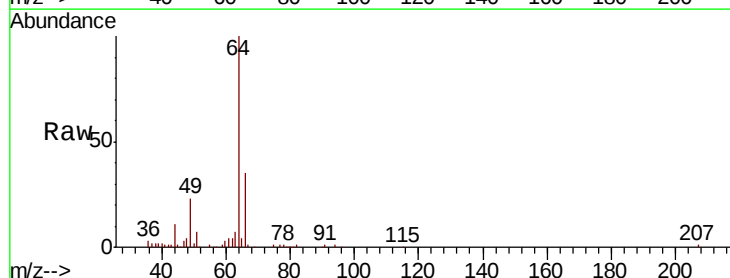
Acq: 09 Oct 2020 14:36

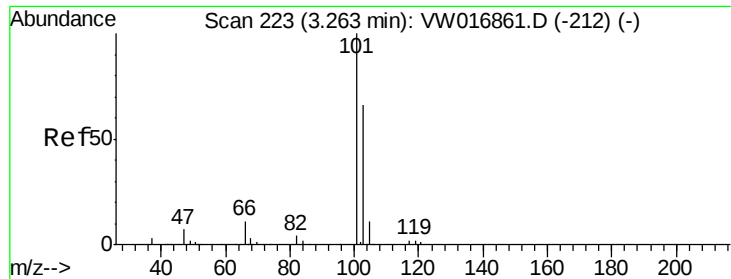
Tgt Ion: 64 Resp: 44656

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.6



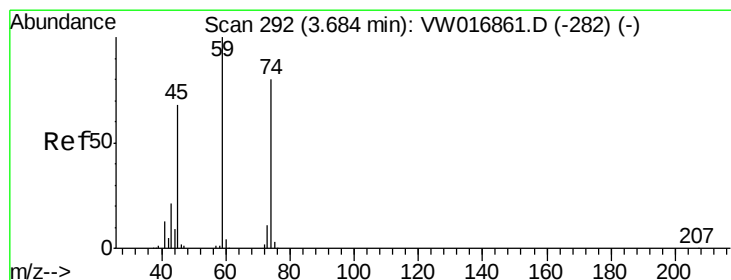
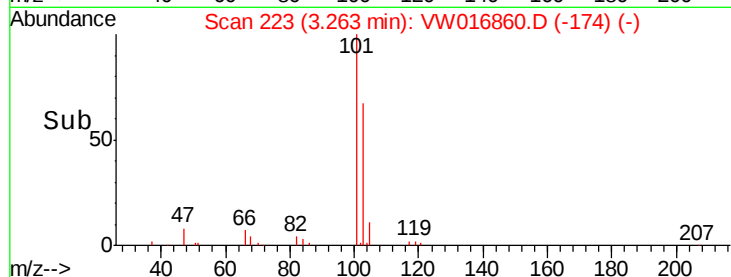
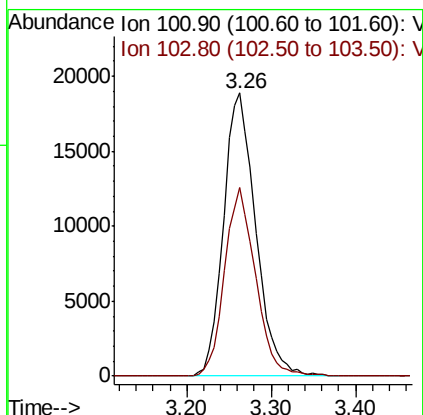
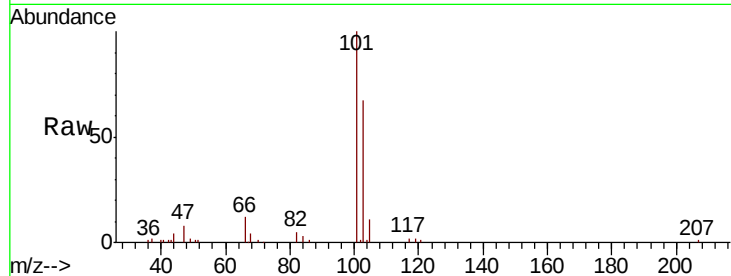


#7

Trichlorofluoromethane
 Concen: 20.089 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

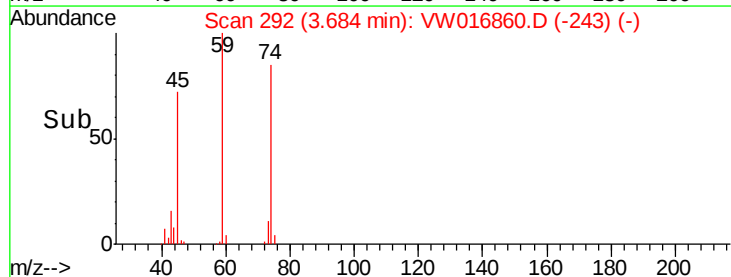
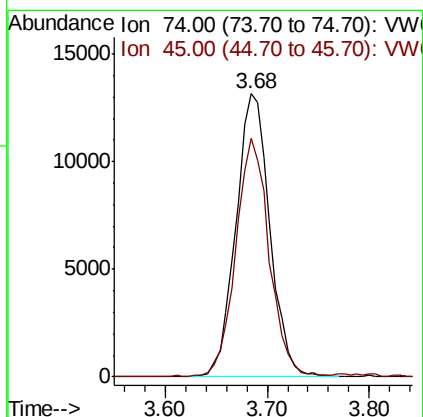
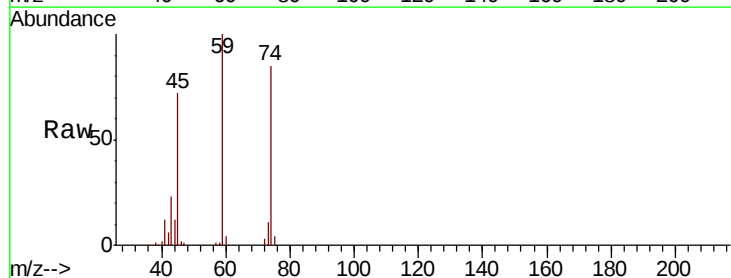
Tot Ion:101 Resp: 49230
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.6 79.0

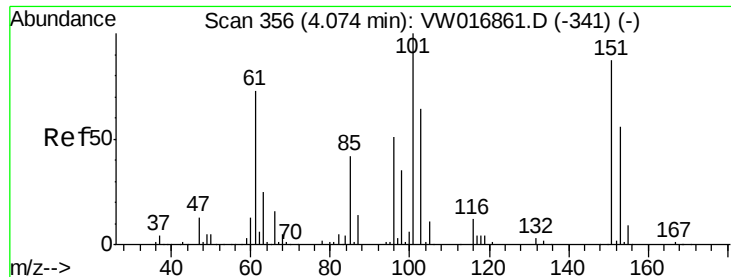


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 74 Resp: 30327
 Ion Ratio Lower Upper
 74 100
 45 83.0 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

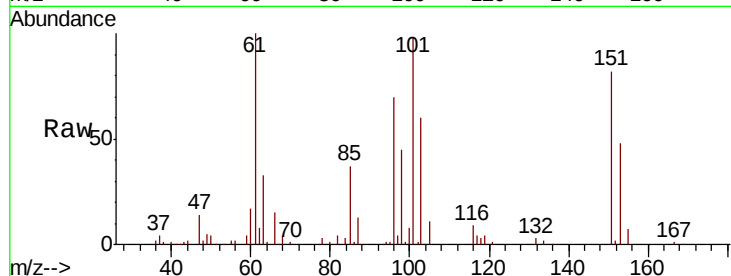
Tot Ion:101 Resp: 67959

Ion Ratio Lower Upper

101 100

85 40.3 33.2 49.8

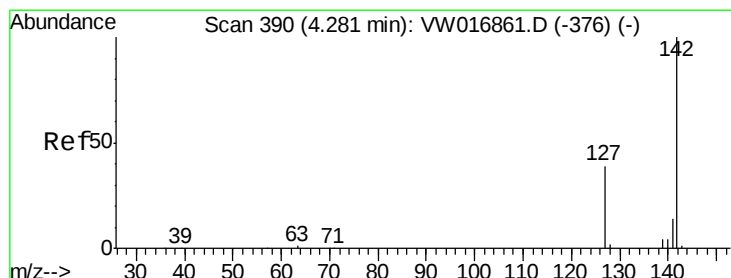
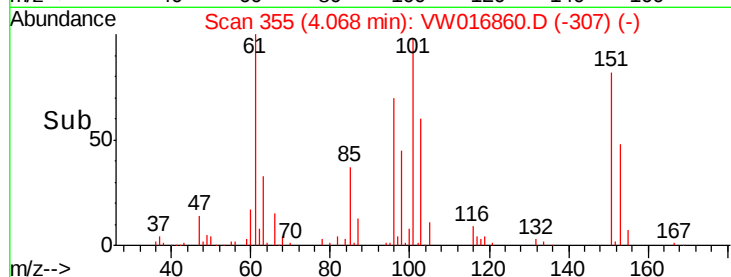
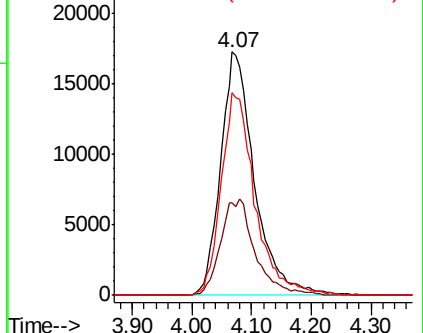
151 83.2 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.161 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

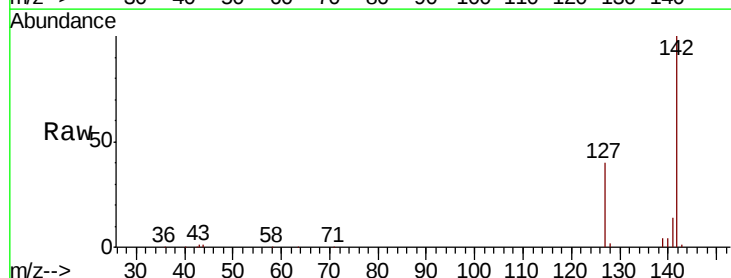
Tgt Ion:142 Resp: 106358

Ion Ratio Lower Upper

142 100

127 42.0 32.4 48.6

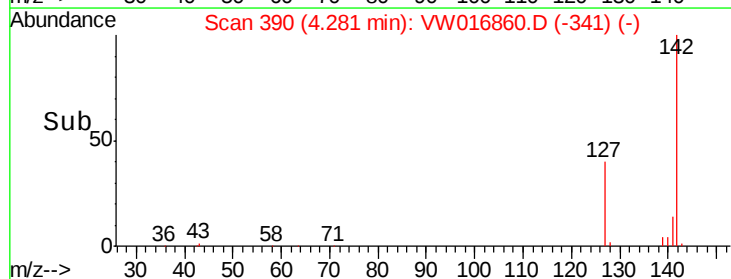
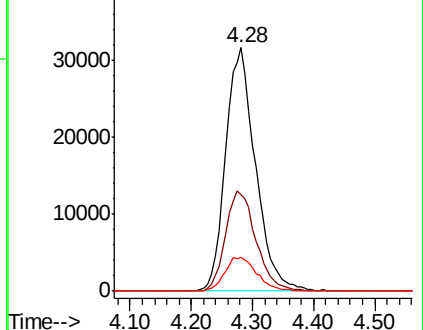
141 14.7 11.4 17.0

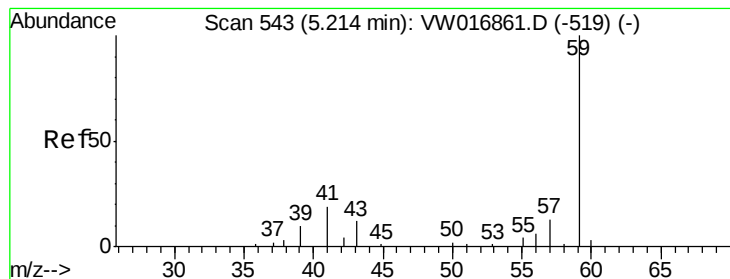


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 87.180 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

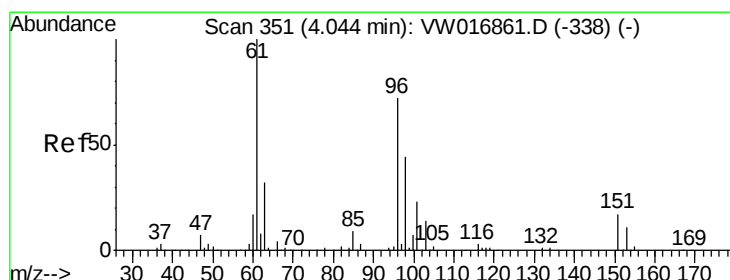
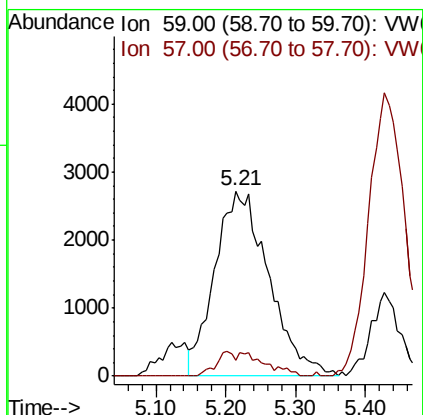
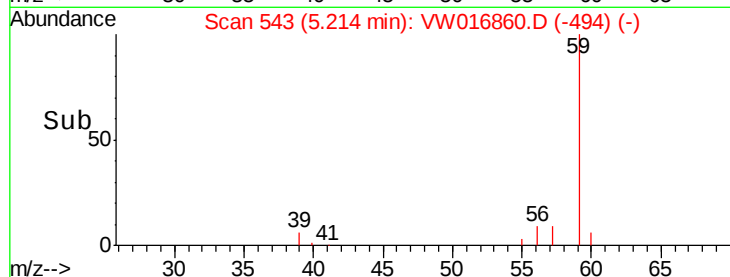
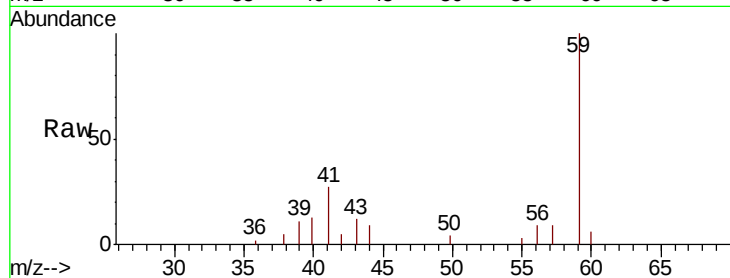
VSTDIC020

Tot Ion: 59 Resp: 14572

Ion Ratio Lower Upper

59 100

57 4.2 4.7 7.1#



#12

1,1-Dichloroethene

Concen: 20.263 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

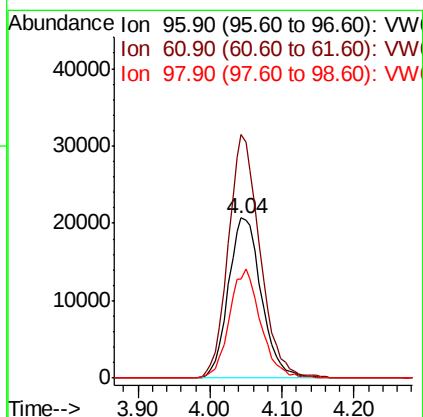
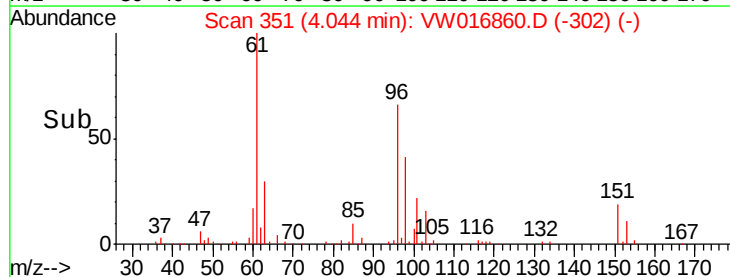
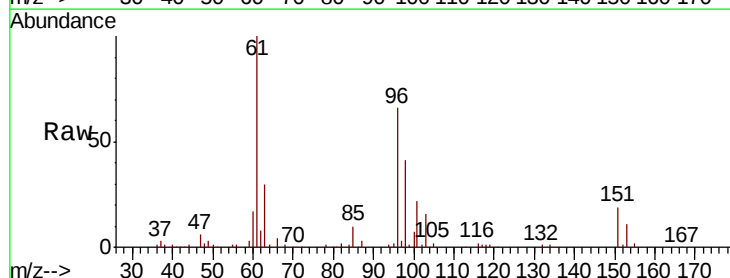
Tgt Ion: 96 Resp: 65998

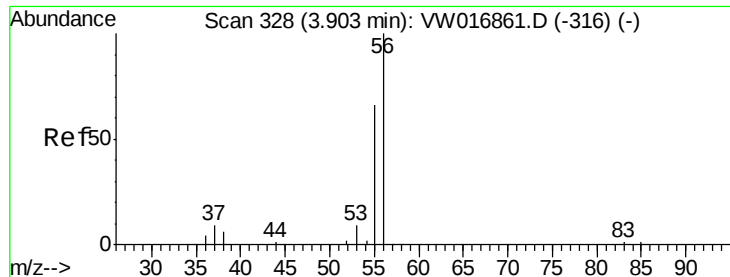
Ion Ratio Lower Upper

96 100

61 152.3 111.7 167.5

98 62.0 49.0 73.4





#13

Acrolein

Concen: 98.422 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

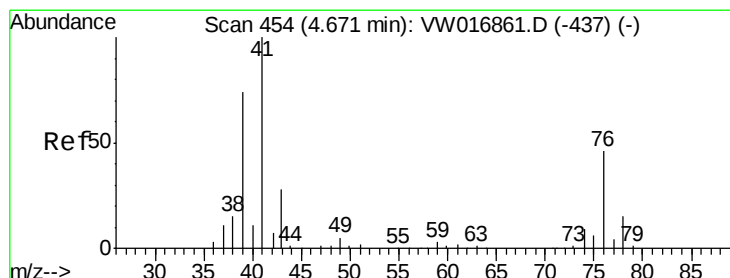
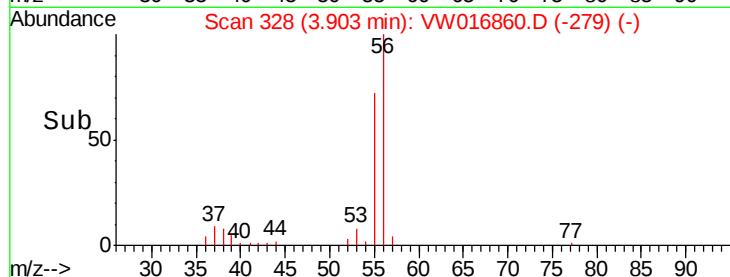
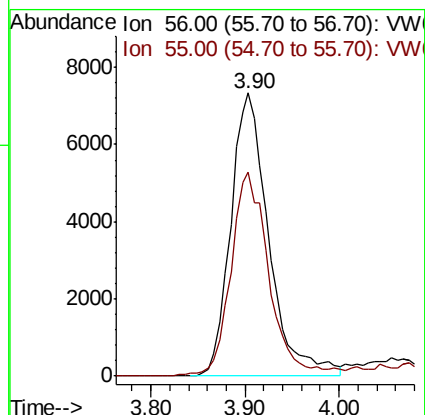
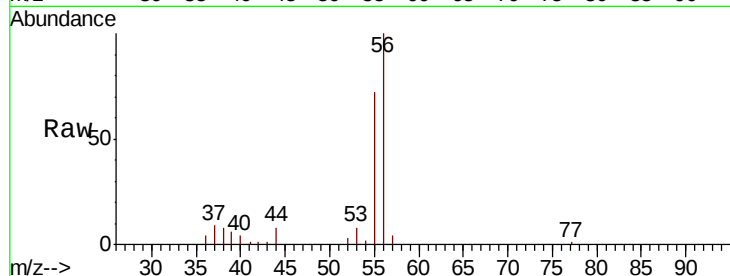
VSTDIC020

Tot Ion: 56 Resp: 20587

Ion Ratio Lower Upper

56 100

55 71.7 55.9 83.9



#14

Allyl chloride

Concen: 20.007 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

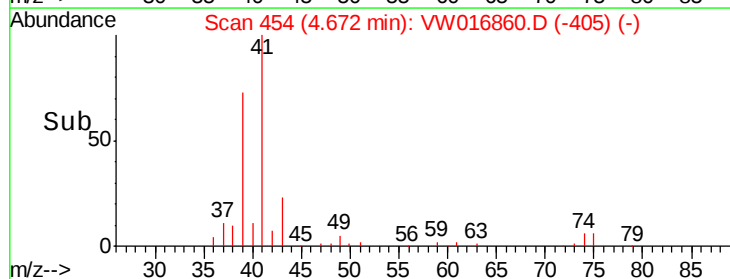
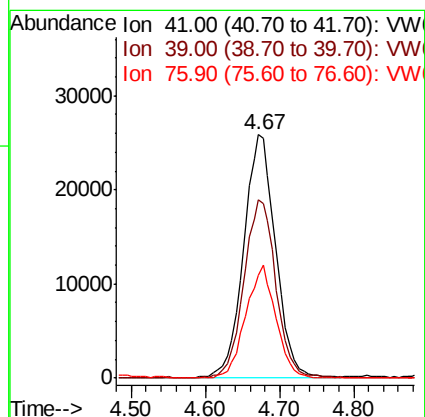
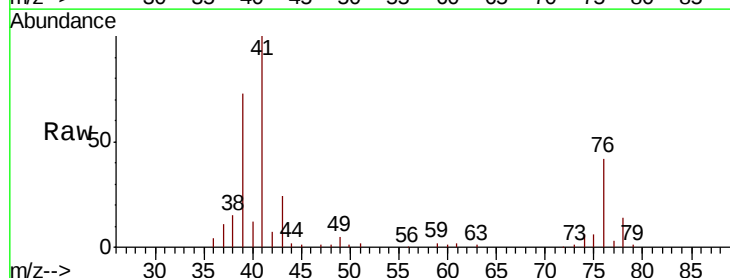
Tgt Ion: 41 Resp: 78005

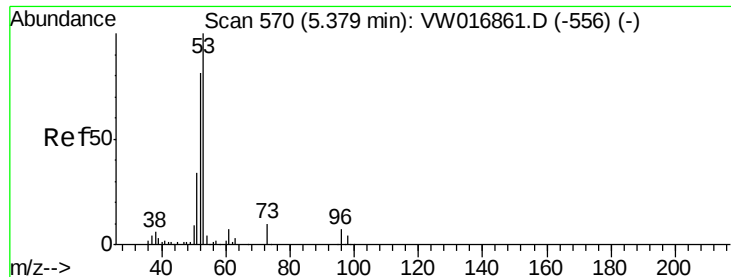
Ion Ratio Lower Upper

41 100

39 73.1 57.8 86.8

76 43.6 35.1 52.7





#15

Acrylonitrile

Concen: 97.087 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

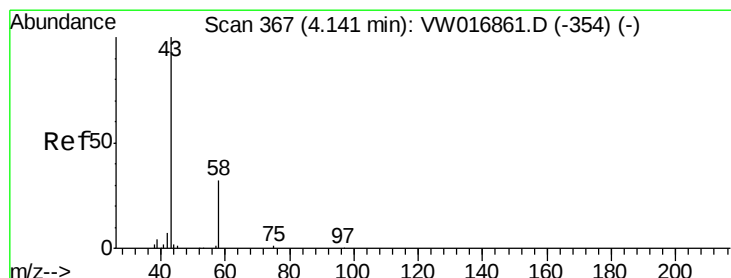
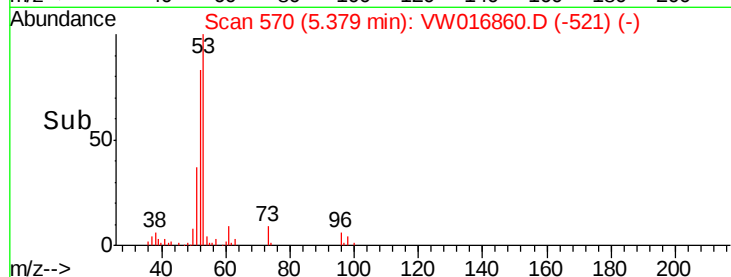
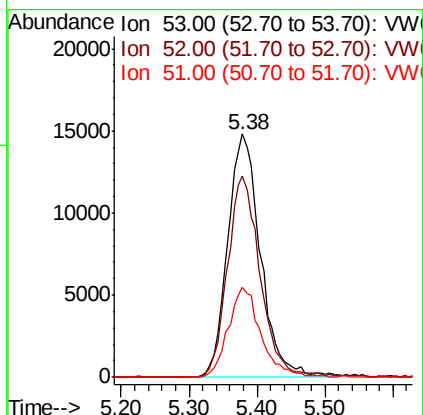
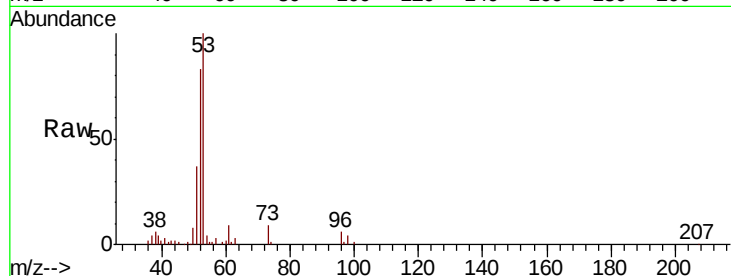
Tot Ion: 53 Resp: 49466

Ion Ratio Lower Upper

53 100

52 81.6 65.0 97.4

51 36.6 29.1 43.7



#16

Acetone

Concen: 91.533 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016860.D

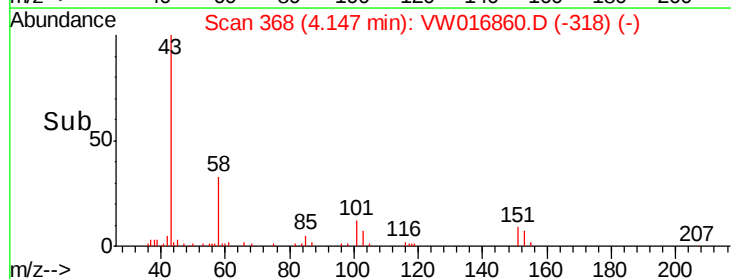
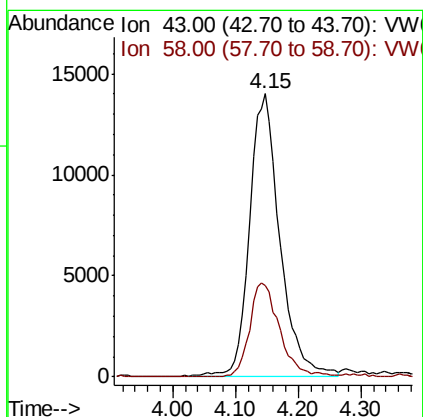
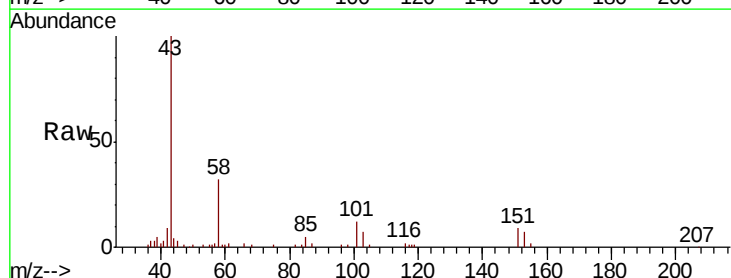
Acq: 09 Oct 2020 14:36

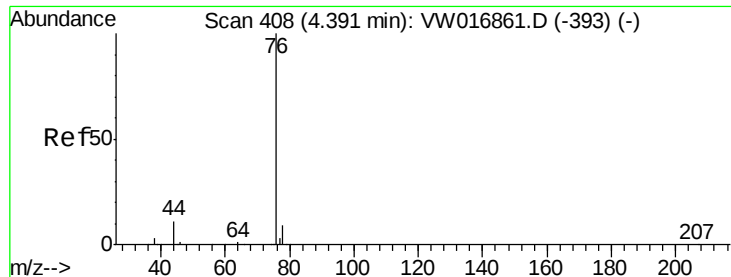
Tgt Ion: 43 Resp: 46934

Ion Ratio Lower Upper

43 100

58 32.1 25.7 38.5





#17

Carbon Disulfide

Concen: 20.322 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

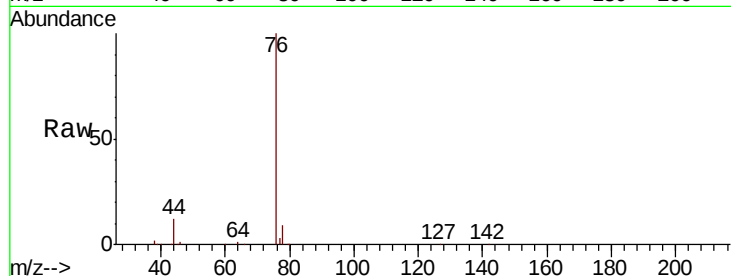
VSTDIC020

Tot Ion: 76 Resp: 176109

Ion Ratio Lower Upper

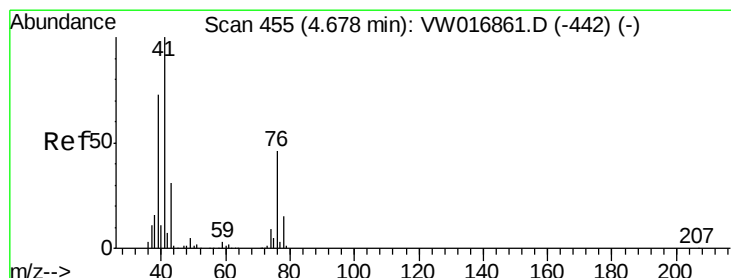
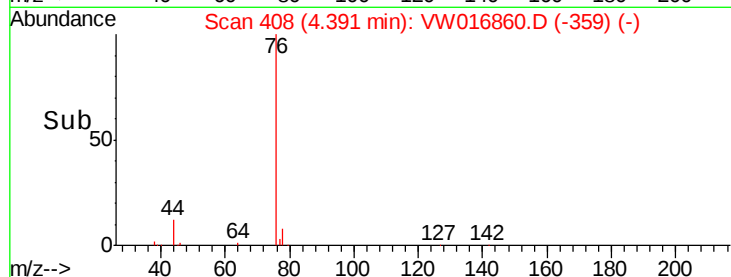
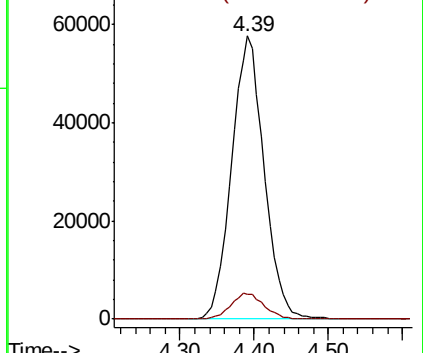
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.883 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016860.D

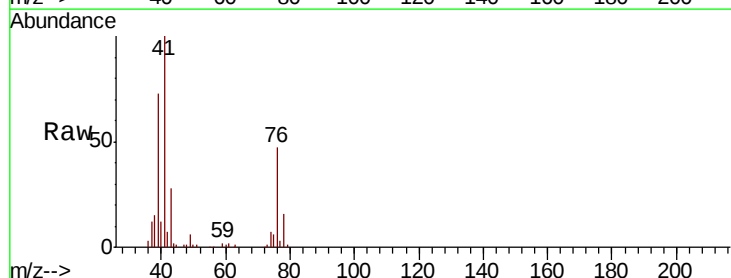
Acq: 09 Oct 2020 14:36

Tgt Ion: 43 Resp: 22207

Ion Ratio Lower Upper

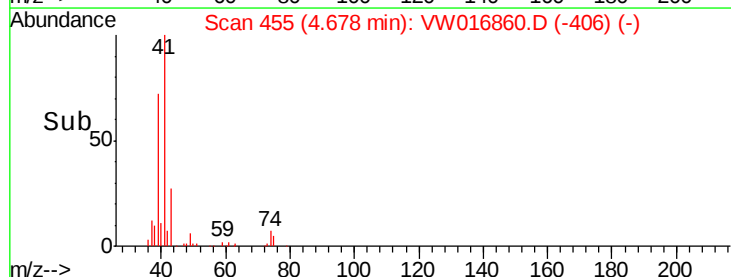
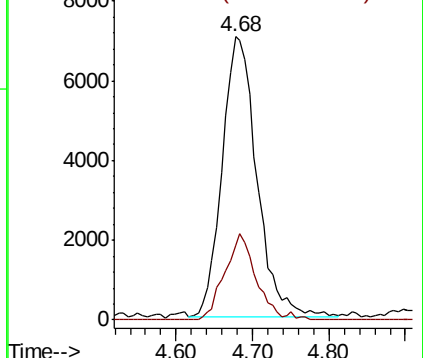
43 100

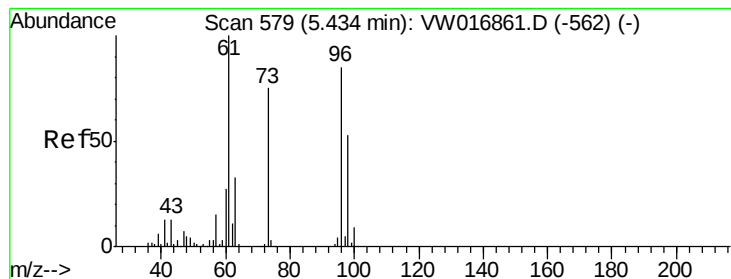
74 27.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



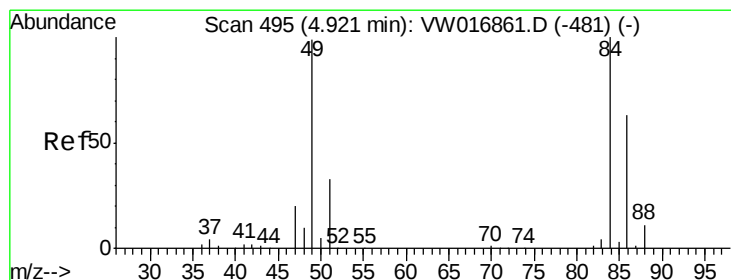
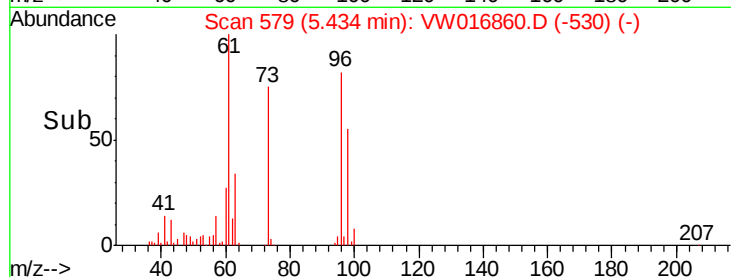
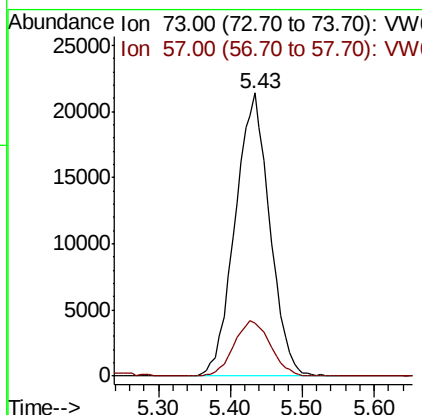
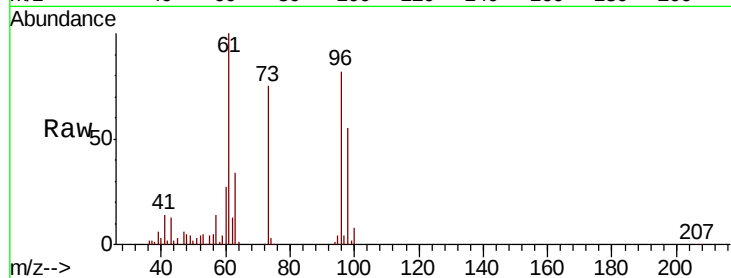


#19

Methyl tert-butyl Ether
 Concen: 20.314 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

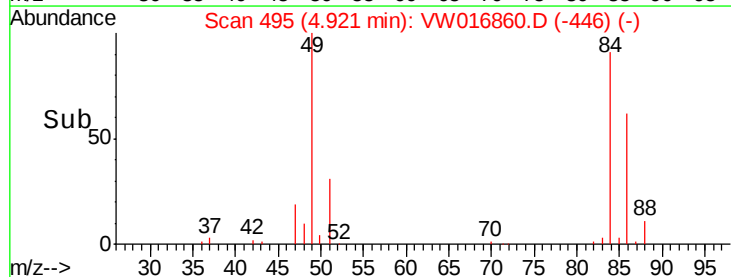
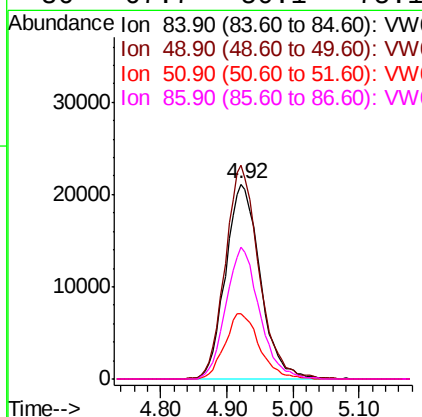
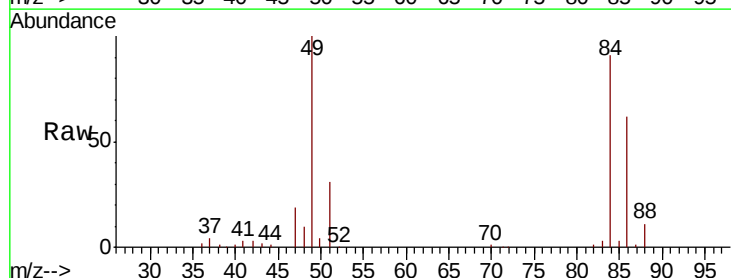
Tot Ion: 73 Resp: 71311
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.1 24.1

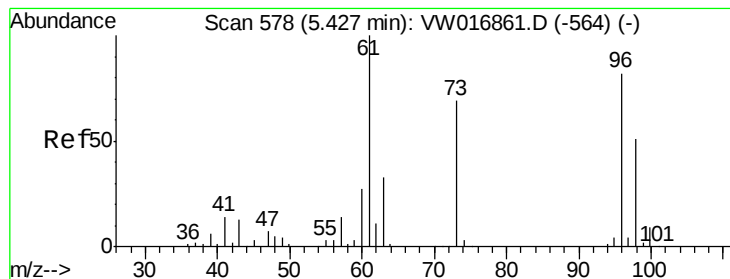


#20

Methylene Chloride
 Concen: 18.886 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 84 Resp: 76739
 Ion Ratio Lower Upper
 84 100
 49 109.7 79.0 118.6
 51 33.6 26.1 39.1
 86 67.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.967 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

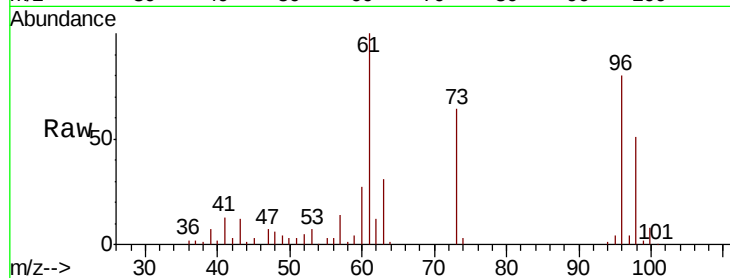
Tot Ion: 96 Resp: 73010

Ion Ratio Lower Upper

96 100

61 125.7 97.4 146.0

98 63.9 49.4 74.0

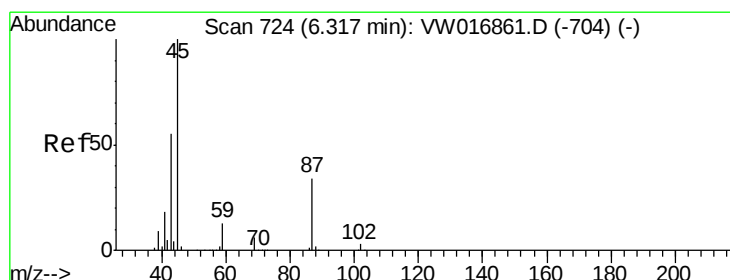
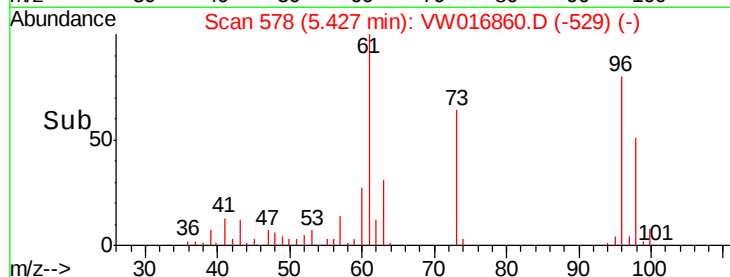
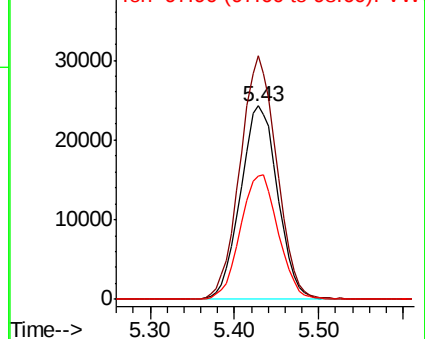


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.481 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion: 45 Resp: 145132

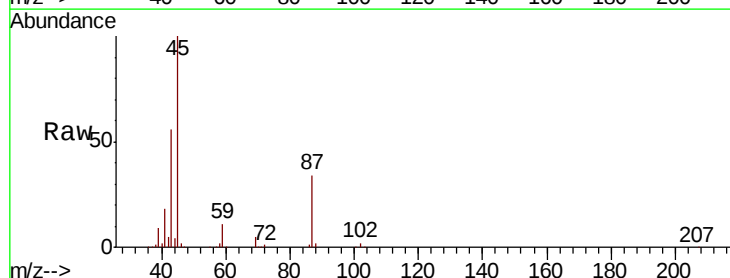
Ion Ratio Lower Upper

45 100

43 54.9 43.8 65.8

87 33.4 27.6 41.4

59 11.3 10.8 16.2



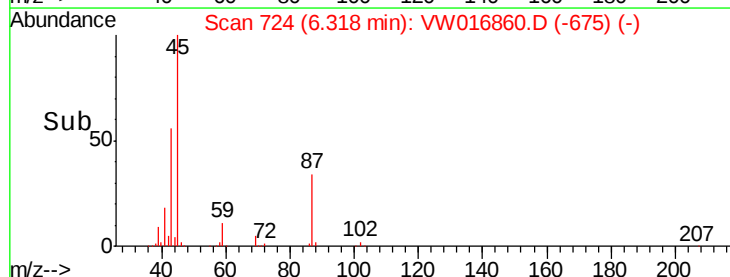
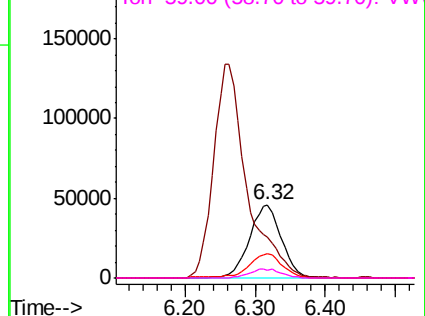
Abundance

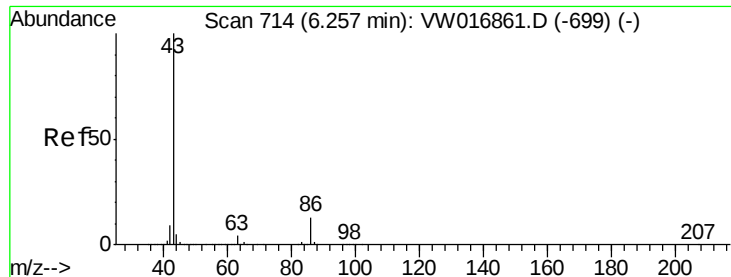
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 97.697 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

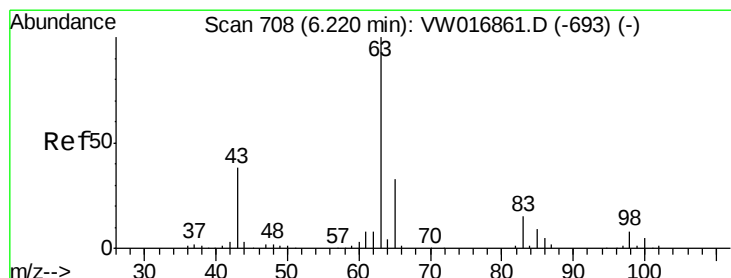
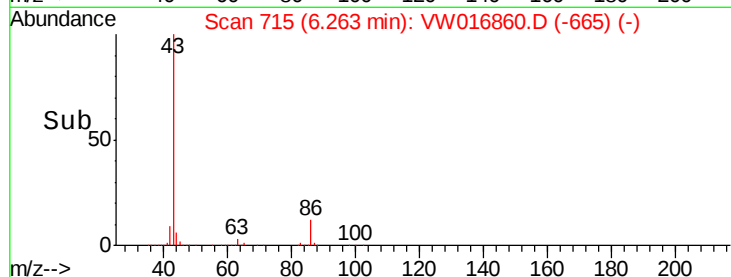
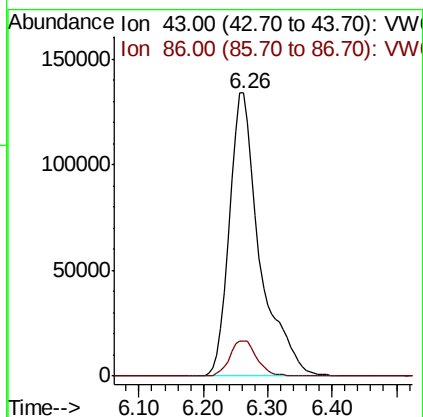
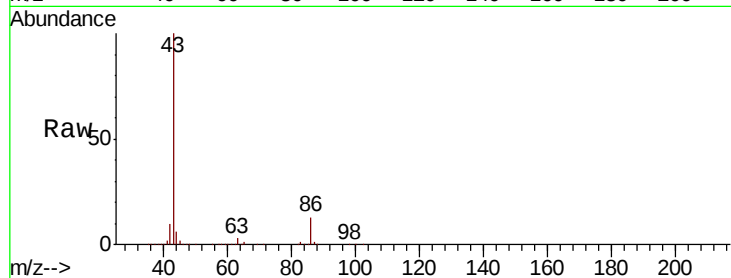
VSTDIC020

Tot Ion: 43 Resp: 443597

Ion Ratio Lower Upper

43 100

86 12.5 10.2 15.4



#24

1,1-Dichloroethane

Concen: 20.161 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

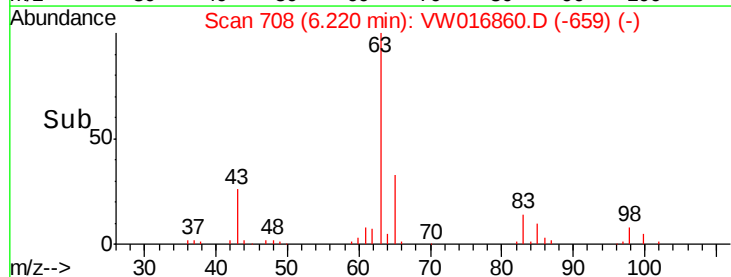
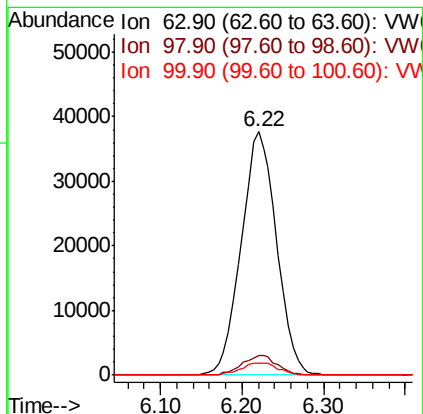
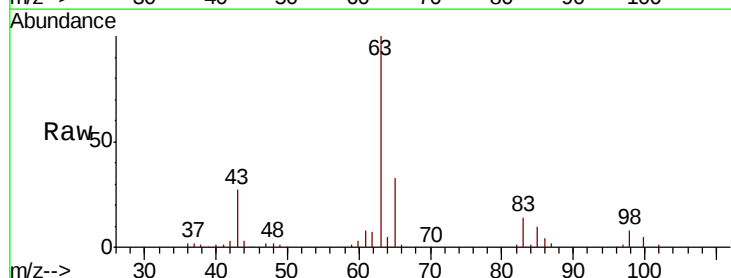
Tgt Ion: 63 Resp: 113285

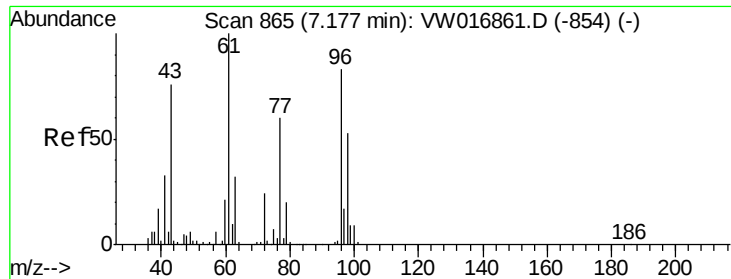
Ion Ratio Lower Upper

63 100

98 8.1 4.2 12.6

100 5.1 2.6 7.8





#25

2-Butanone

Concen: 92.044 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

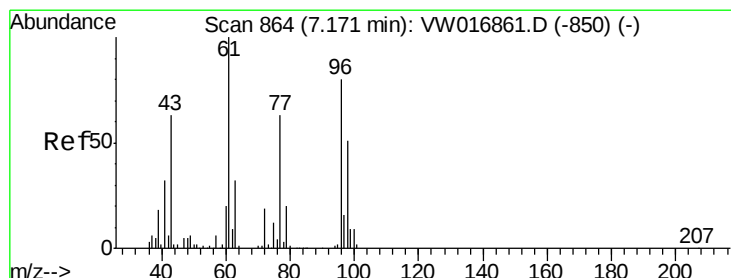
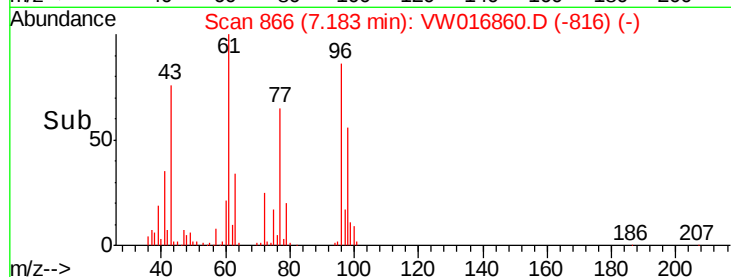
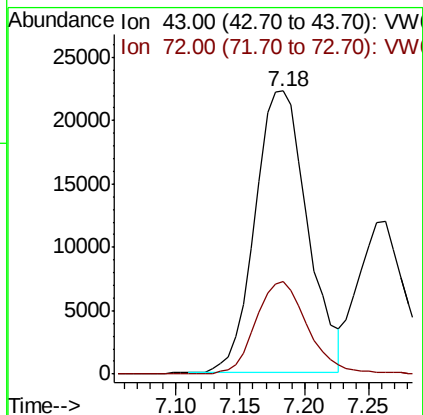
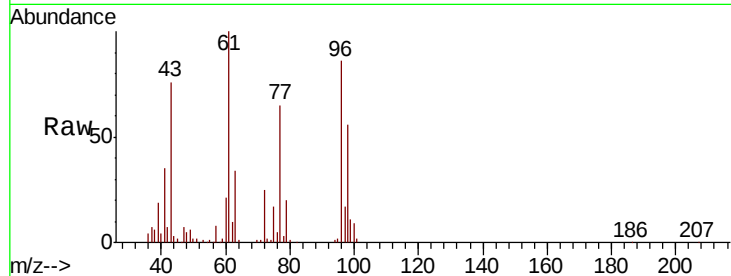
VSTDIC020

Tot Ion: 43 Resp: 62920

Ion Ratio Lower Upper

43 100

72 33.0 25.4 38.2



#26

2,2-Dichloropropane

Concen: 19.832 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016860.D

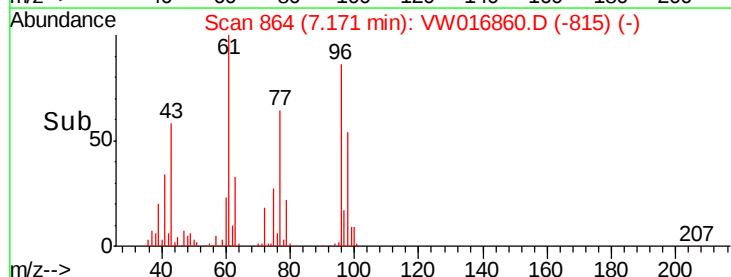
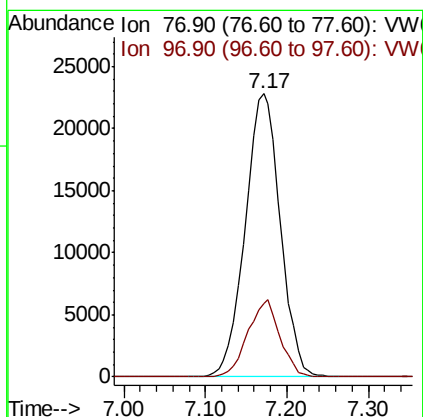
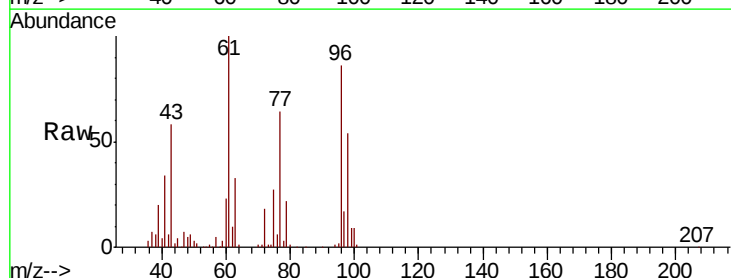
Acq: 09 Oct 2020 14:36

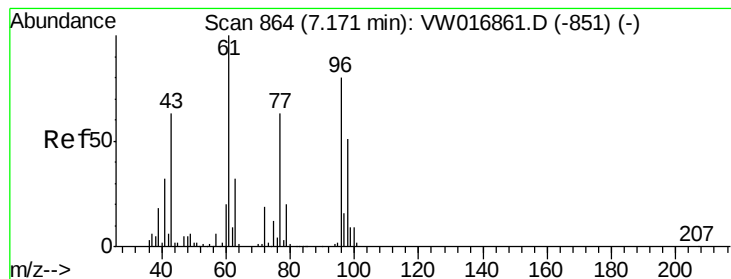
Tgt Ion: 77 Resp: 68177

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 20.128 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

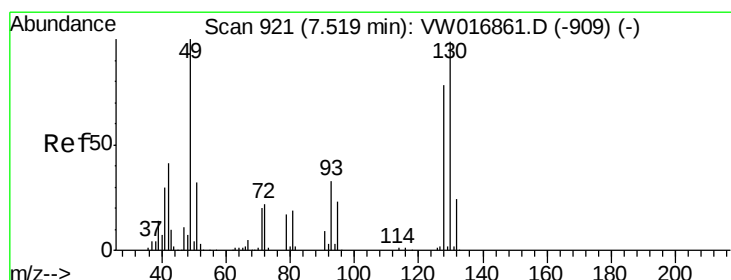
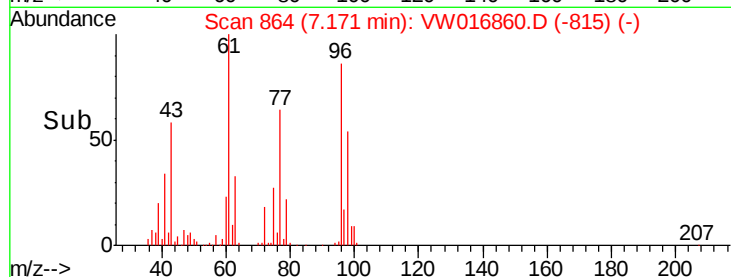
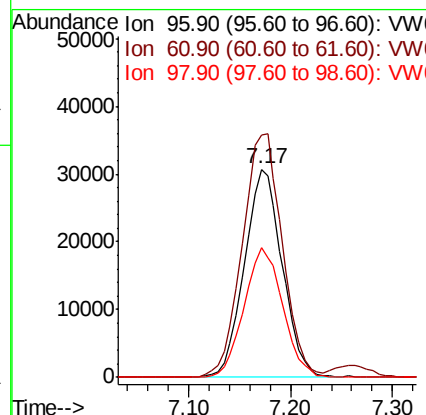
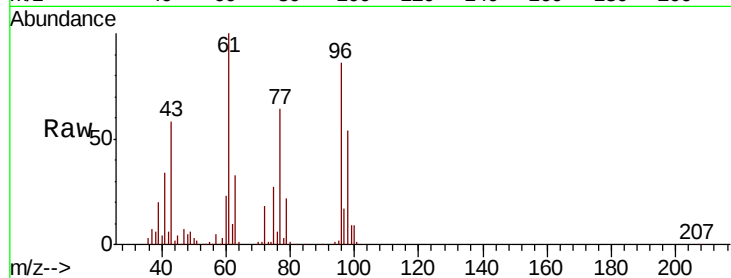
Tot Ion: 96 Resp: 78828

Ion Ratio Lower Upper

96 100

61 124.3 0.0 249.6

98 63.9 0.0 129.4



#28

Bromochloromethane

Concen: 19.741 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

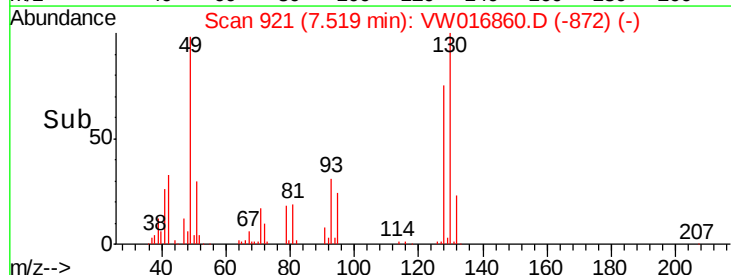
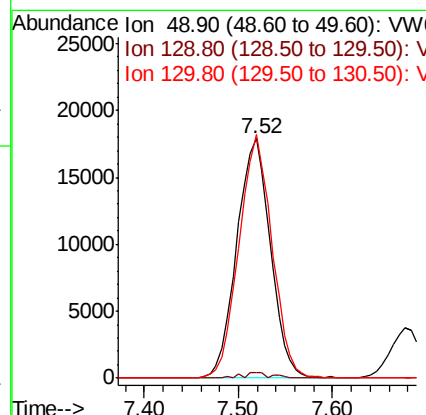
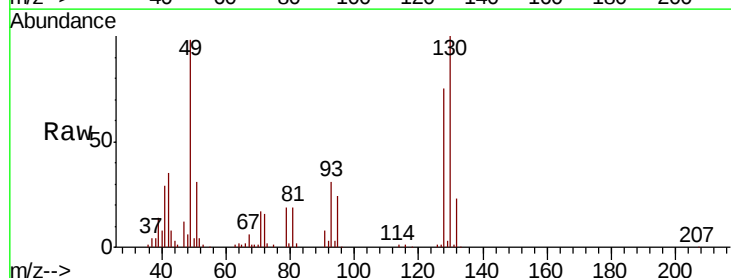
Tgt Ion: 49 Resp: 44394

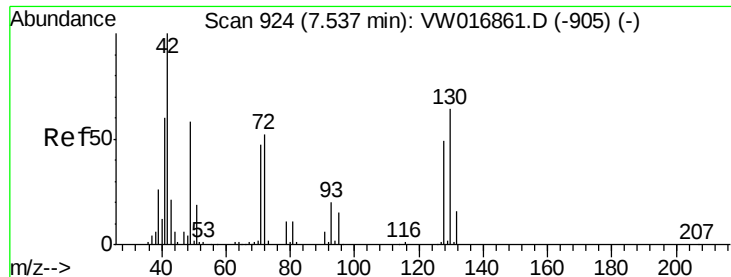
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.8

130 100.1 81.3 121.9

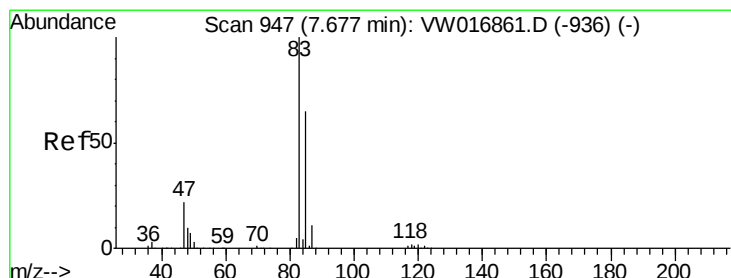
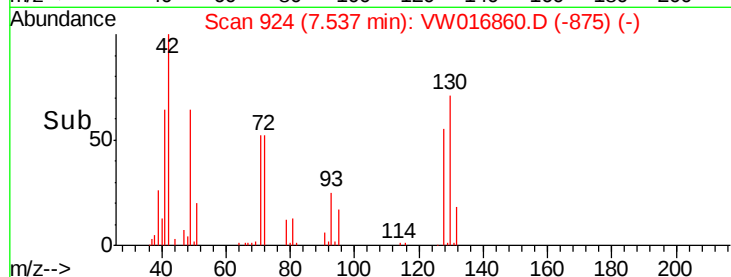
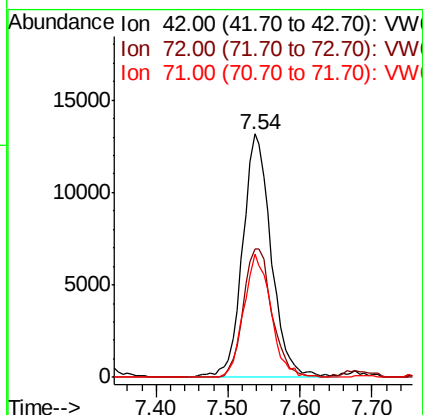
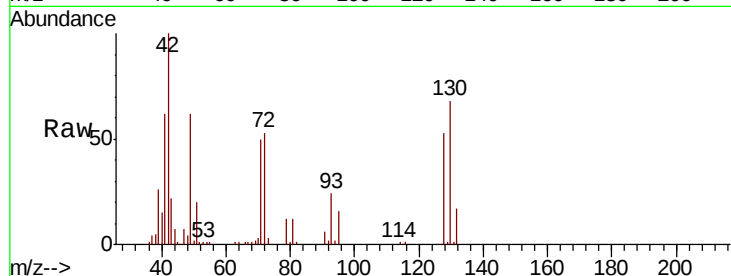




#29
Tetrahydrofuran
Concen: 94.982 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

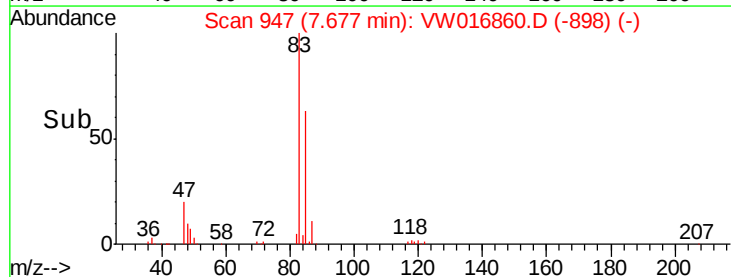
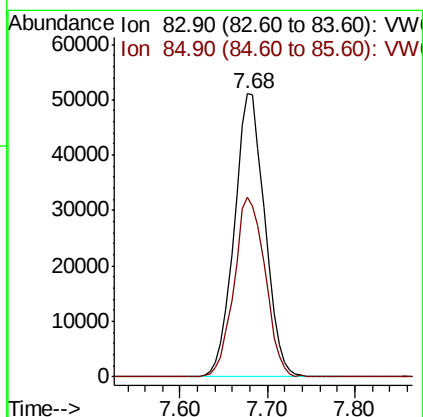
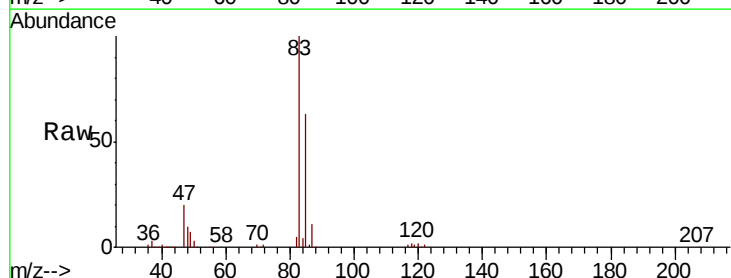
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

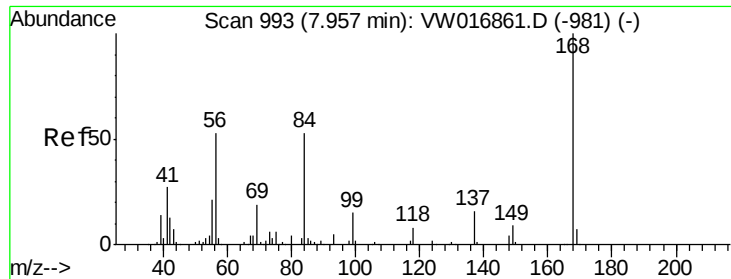
Tot Ion: 42 Resp: 36368
Ion Ratio Lower Upper
42 100
72 52.7 42.0 63.0
71 48.0 39.0 58.6



#30
Chloroform
Concen: 20.309 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 83 Resp: 124058
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5

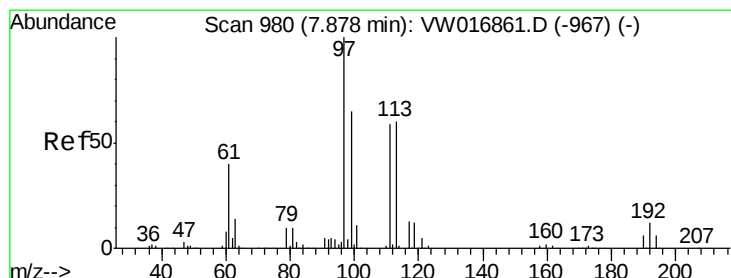
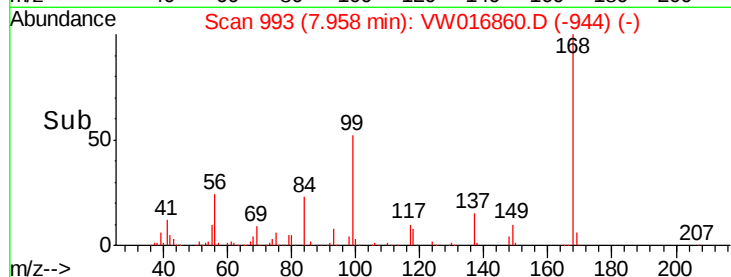
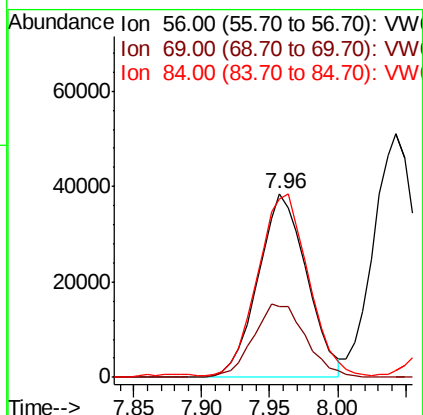
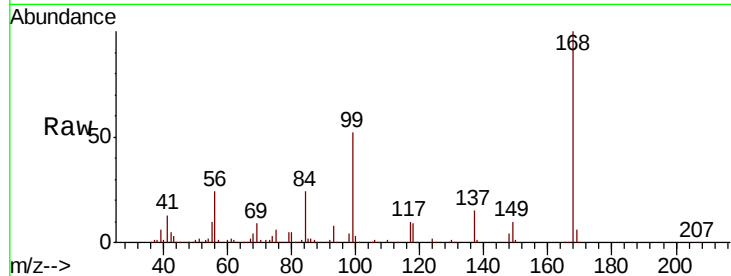




#31
Cyclohexane
Concen: 20.083 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

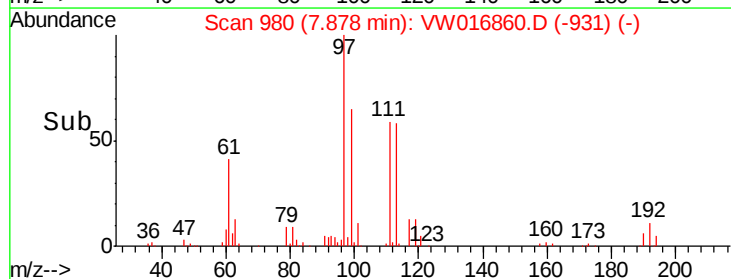
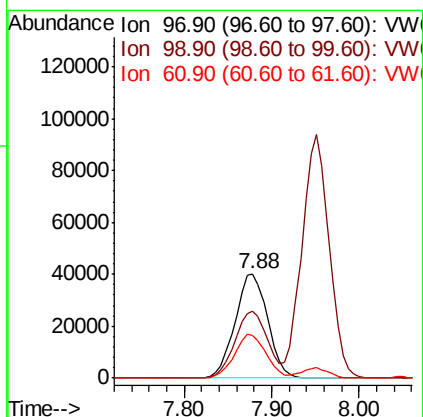
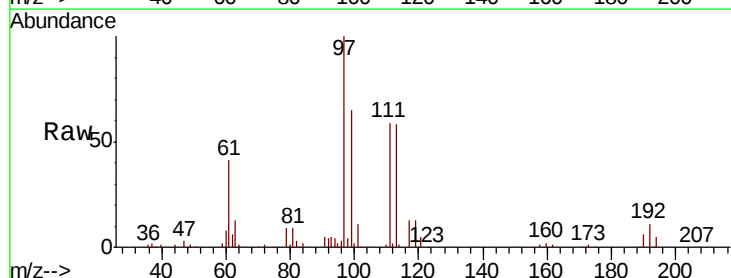
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

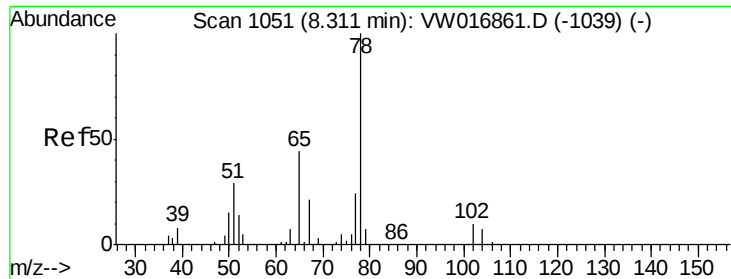
Tot Ion	56	Resp	96253
Ion Ratio	Lower	Upper	
56	100		
69	38.5	29.3	43.9
84	95.7	80.5	120.7



#32
1,1,1-Trichloroethane
Concen: 20.146 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	97	Resp	103800
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.4	78.6
61	40.8	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 19.336 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

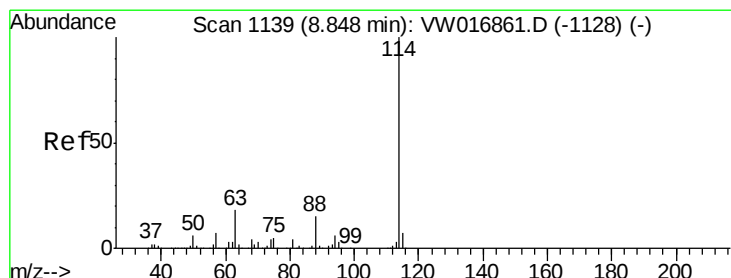
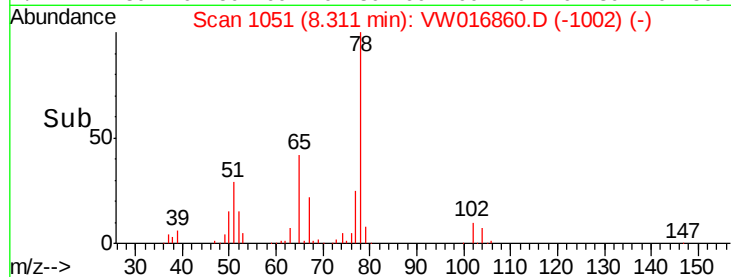
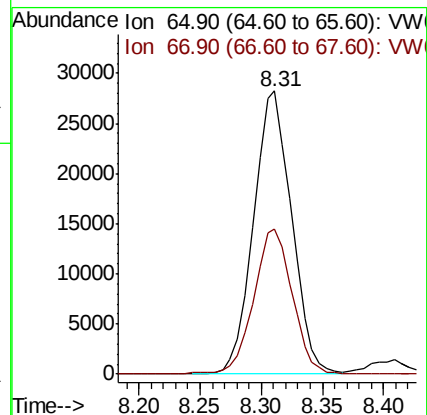
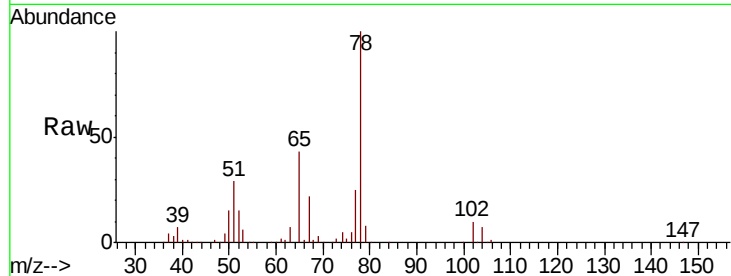
VSTDIC020

Tot Ion: 65 Resp: 61216

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

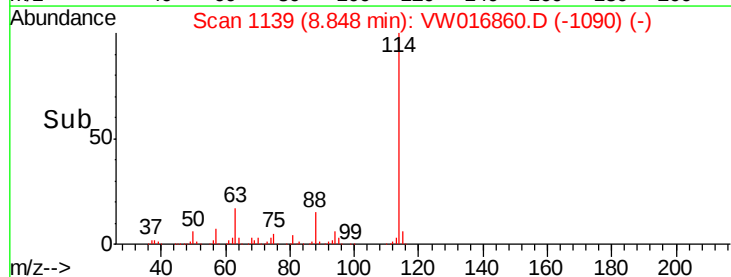
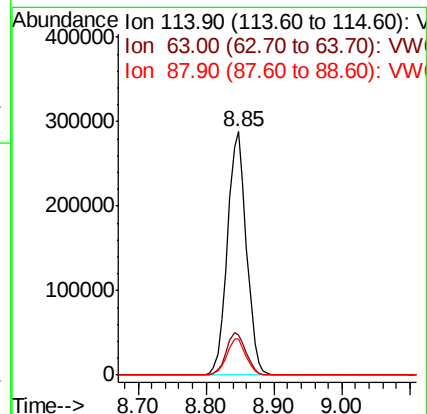
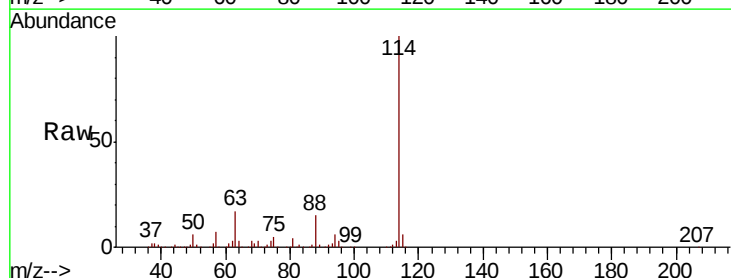
Tgt Ion: 114 Resp: 556063

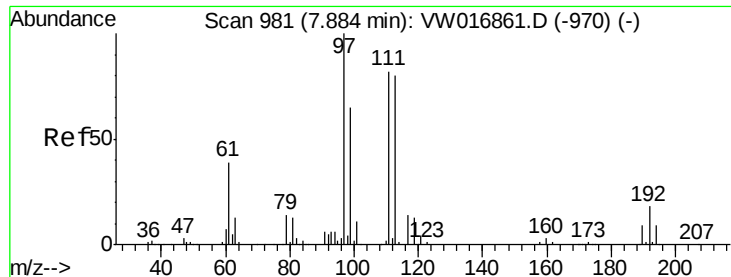
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.6

88 14.7 0.0 30.4

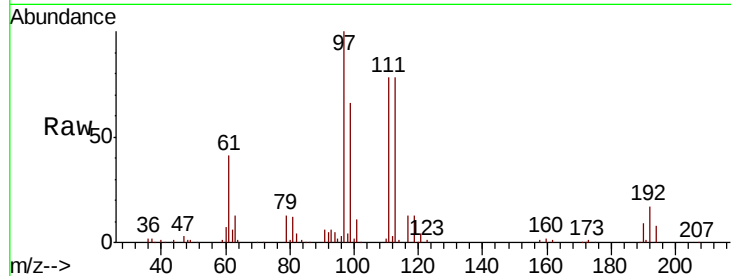




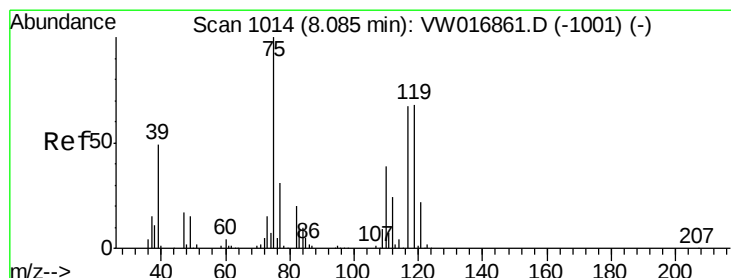
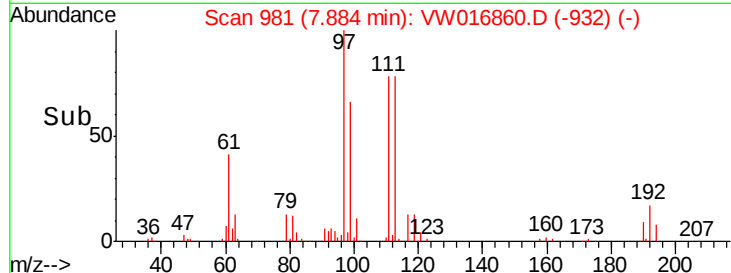
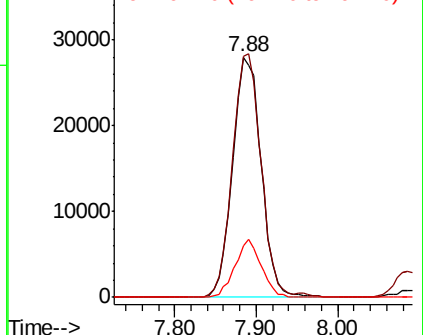
#35
 Dibromofluoromethane
 Concen: 19.812 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:113 Resp: 67525
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.2
 192 22.0 17.8 26.8

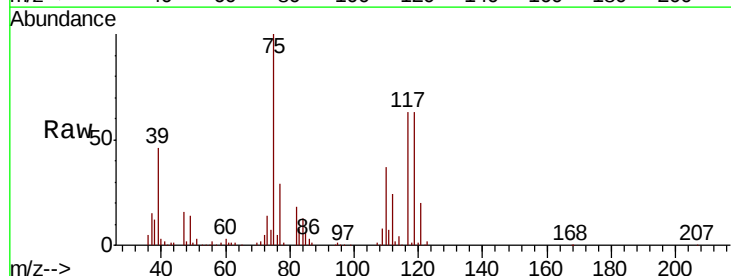


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

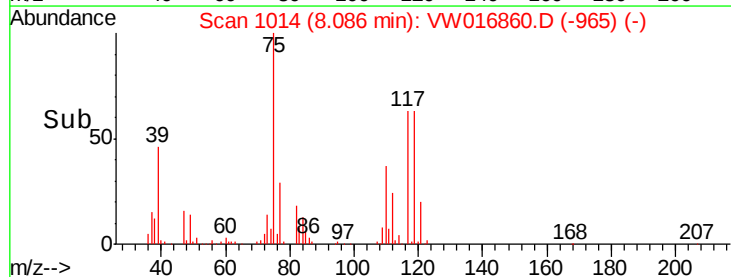
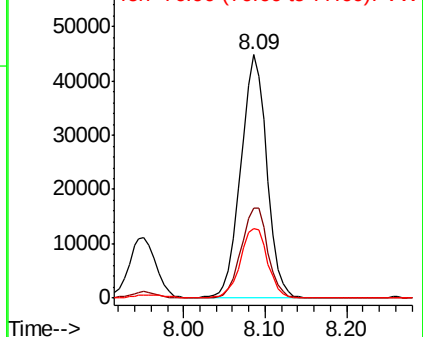


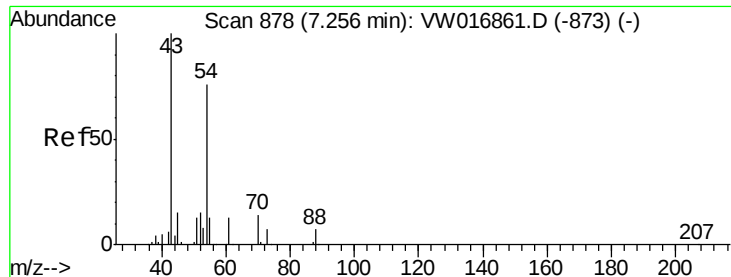
#36
 1,1-Dichloropropene
 Concen: 20.629 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 75 Resp: 99188
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.3 57.9
 77 30.3 25.0 37.6



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

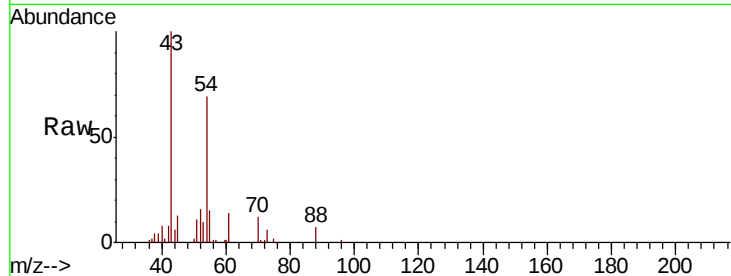




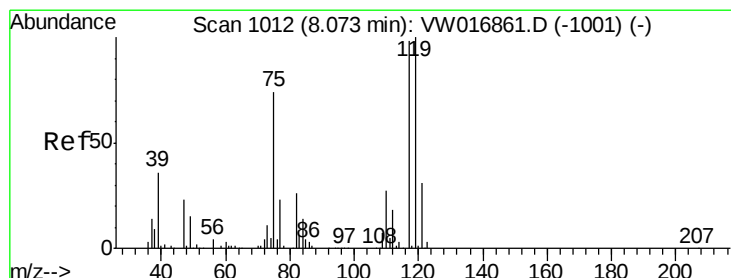
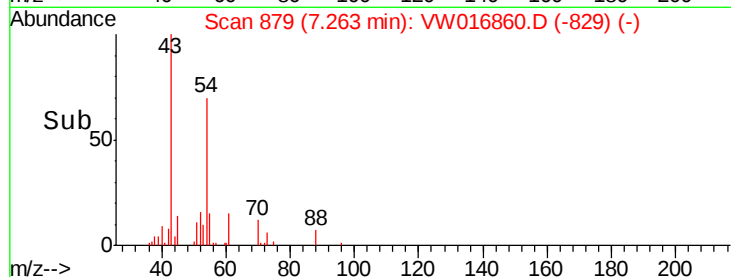
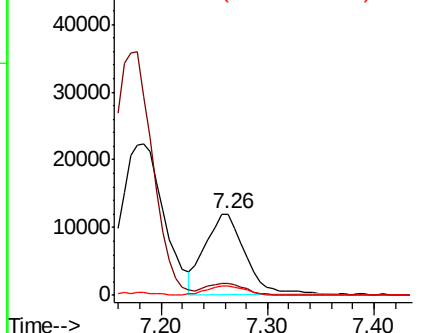
#37
Ethyl Acetate
Concen: 19.573 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 30741
Ion Ratio Lower Upper
43 100
61 14.9 12.0 18.0
70 12.2 9.9 14.9

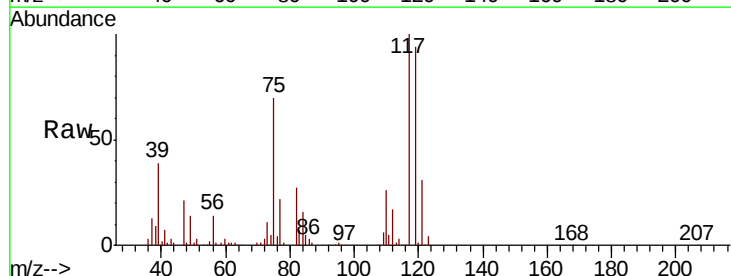


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

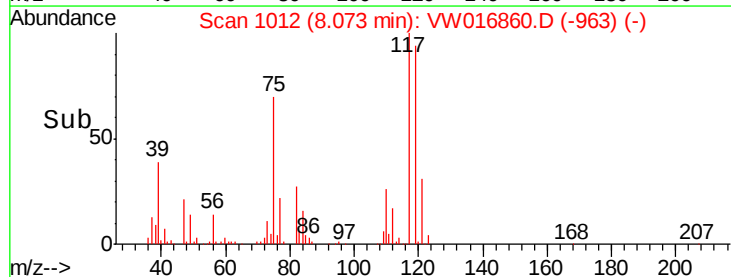
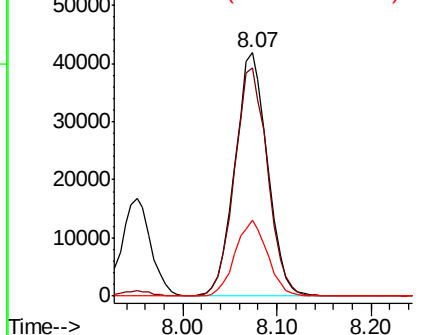


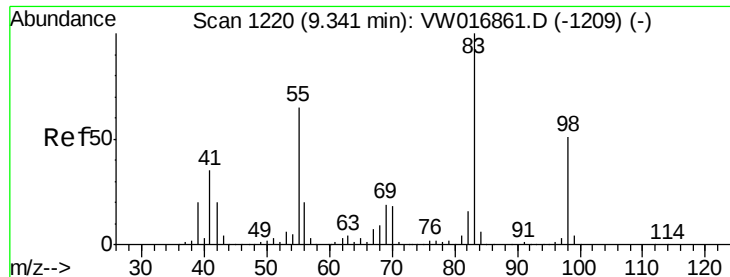
#38
Carbon Tetrachloride
Concen: 20.161 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 117 Resp: 100770
Ion Ratio Lower Upper
117 100
119 93.6 81.6 122.4
121 31.4 25.7 38.5



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

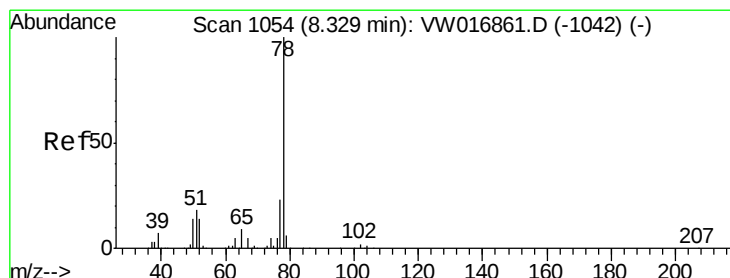
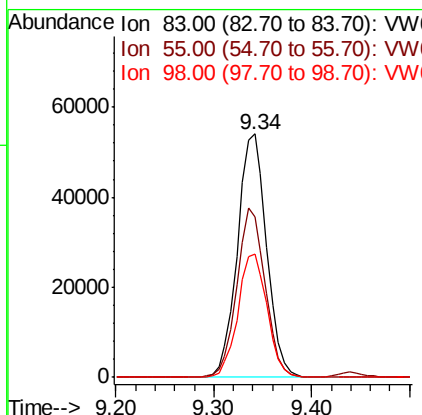
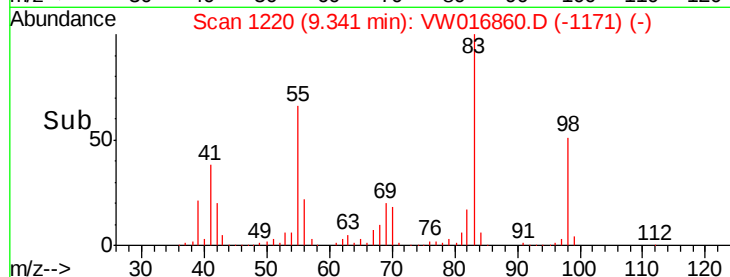
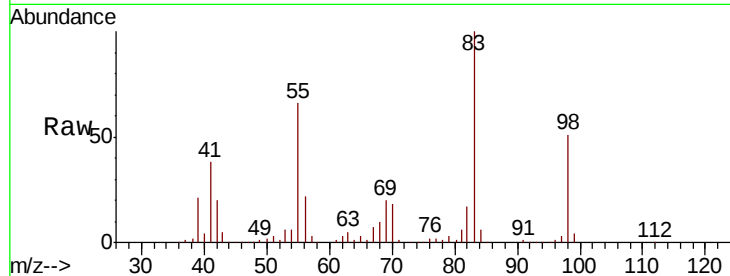




#39
Methvlcvclohexane
Concen: 20.357 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

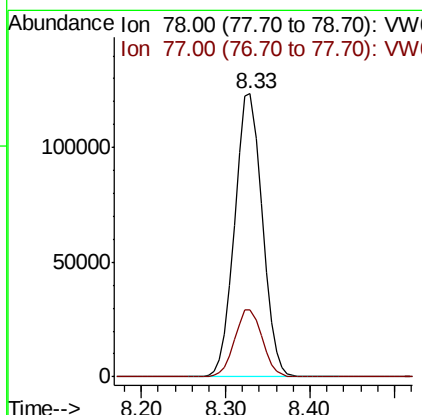
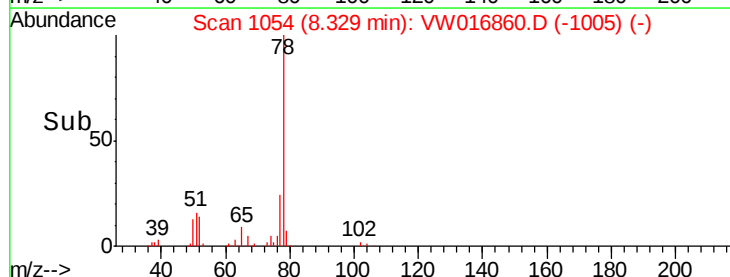
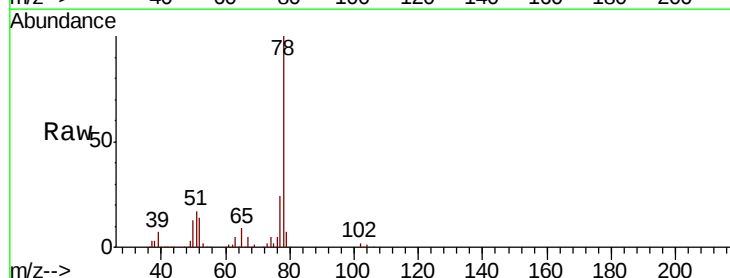
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

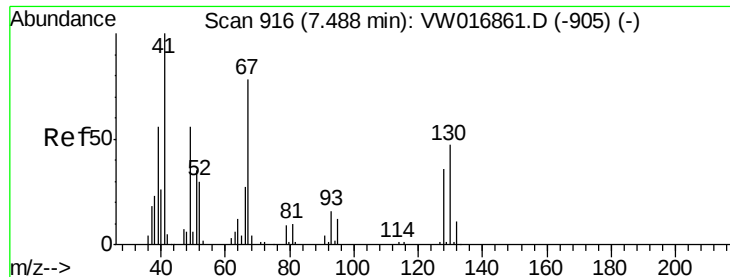
Tot Ion: 83 Resp: 111596
Ion Ratio Lower Upper
83 100
55 65.7 51.7 77.5
98 50.9 41.0 61.4



#40
Benzene
Concen: 20.388 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 78 Resp: 273078
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7

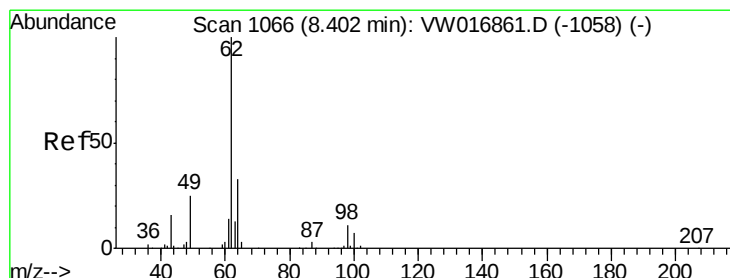
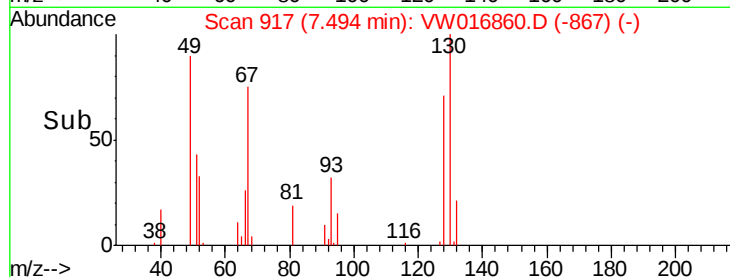
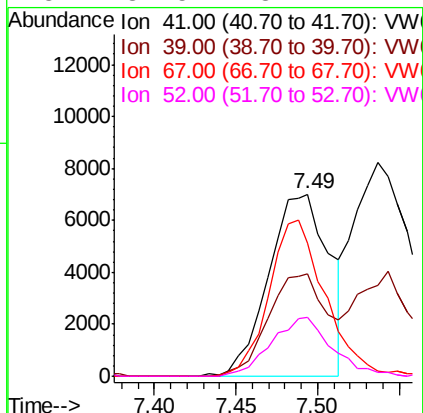
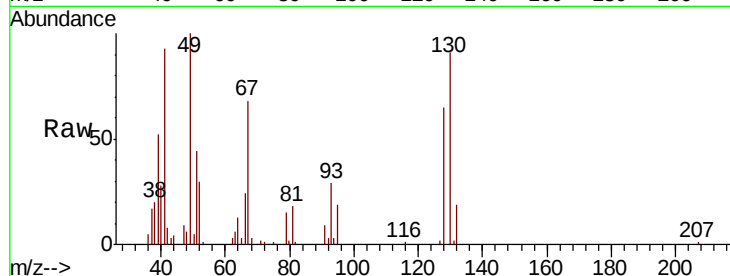




#41
Methacrylonitrile
Concen: 26.823 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

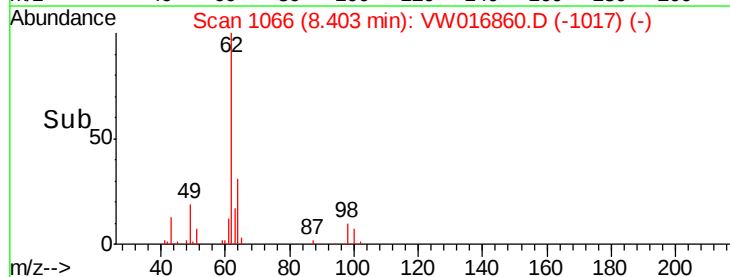
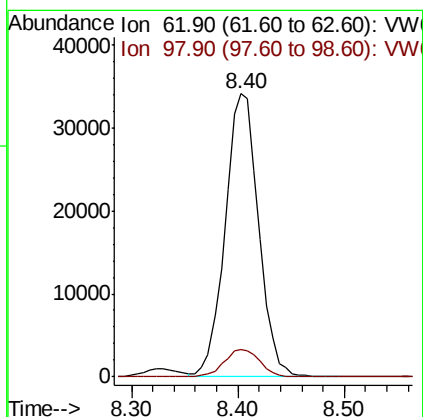
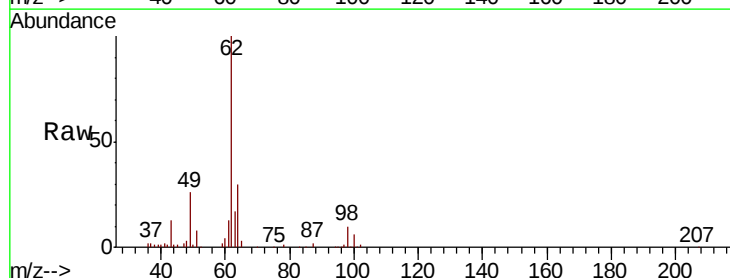
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

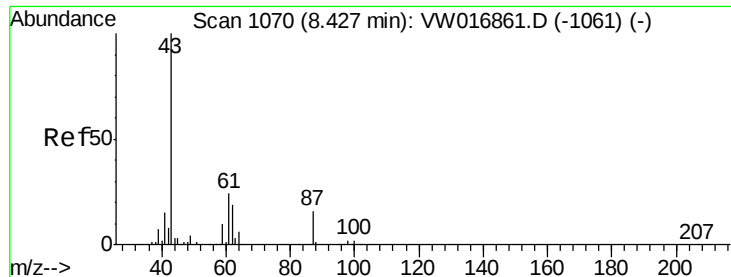
Tot Ion:	41	Resp:	18076
Ion	Ratio	Lower	Upper
41	100		
39	54.7	47.0	70.6
67	79.9	68.6	102.8
52	32.5	28.1	42.1



#42
1,2-Dichloroethane
Concen: 20.465 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:	62	Resp:	74980
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.469 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

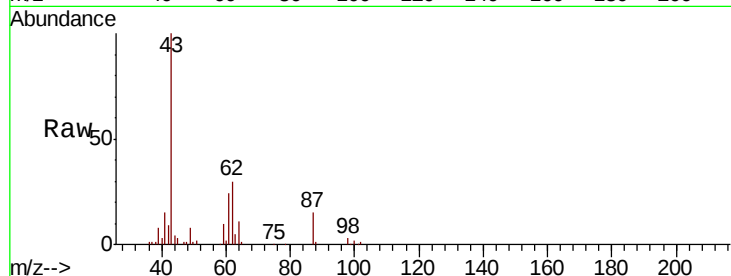
Tot Ion: 43 Resp: 58577

Ion Ratio Lower Upper

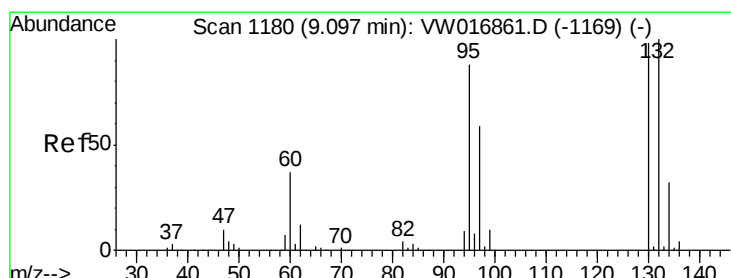
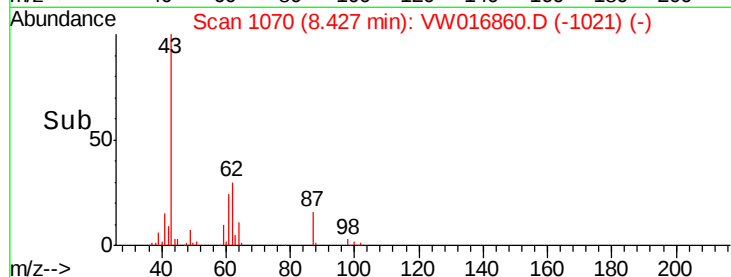
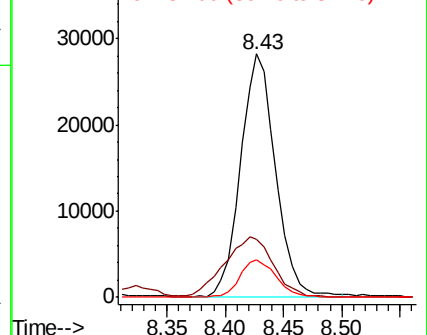
43 100

61 34.6 27.5 41.3

87 16.2 13.6 20.4



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



#44

Trichloroethene

Concen: 20.348 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016860.D

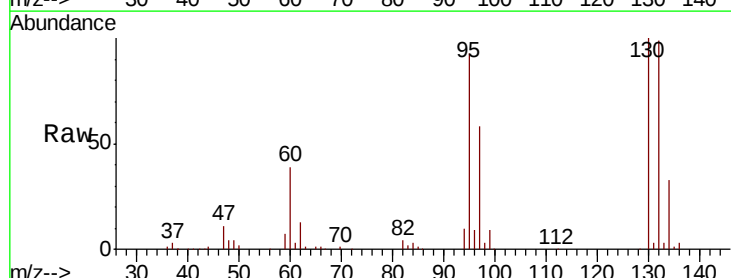
Acq: 09 Oct 2020 14:36

Tgt Ion: 130 Resp: 84355

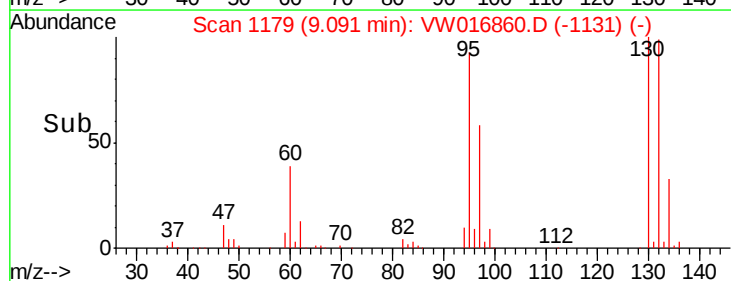
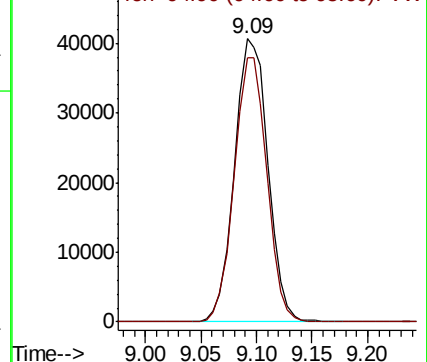
Ion Ratio Lower Upper

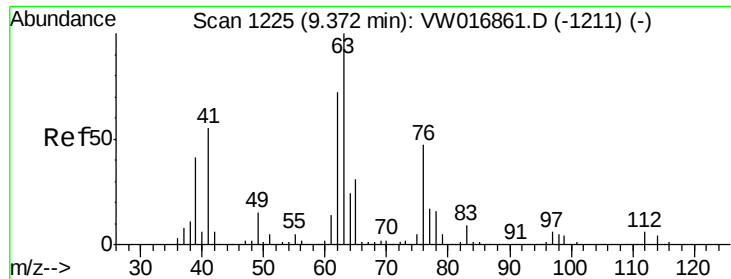
130 100

95 93.4 0.0 180.2



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

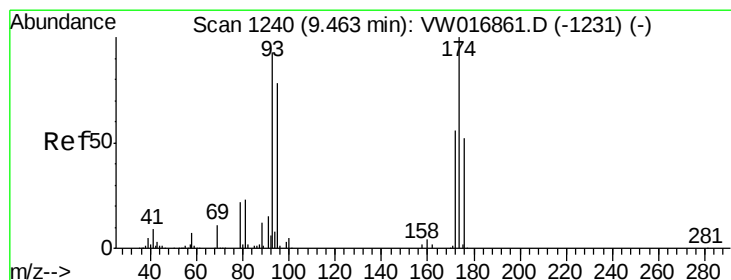
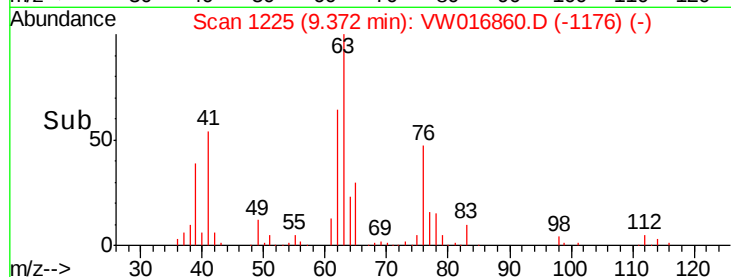
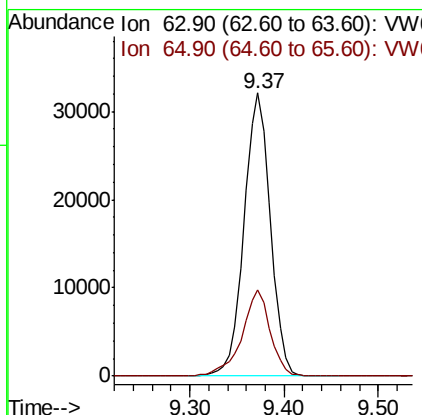
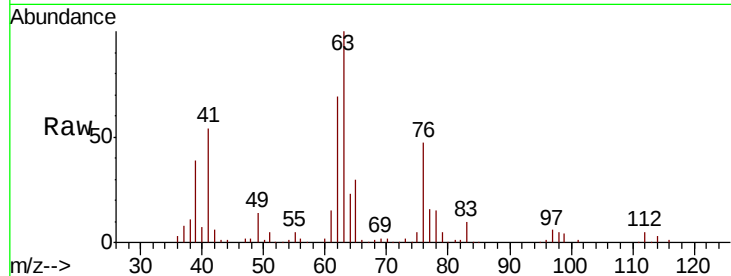




#45
 1,2-Dichloropropane
 Concen: 20.564 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

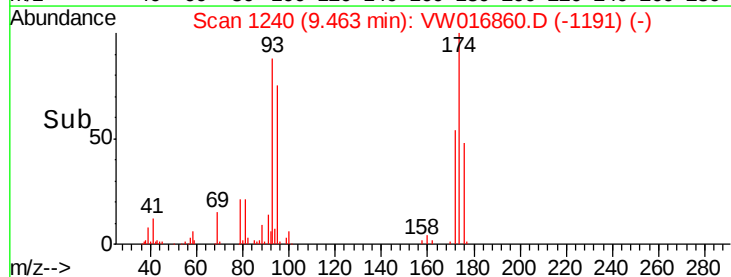
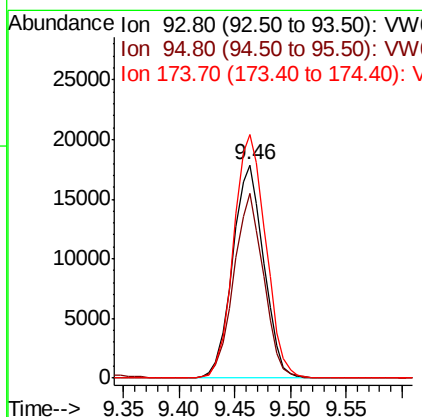
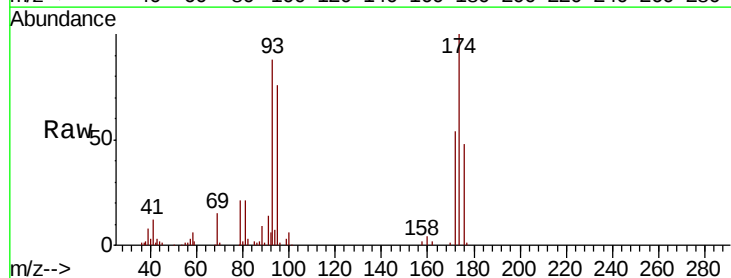
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

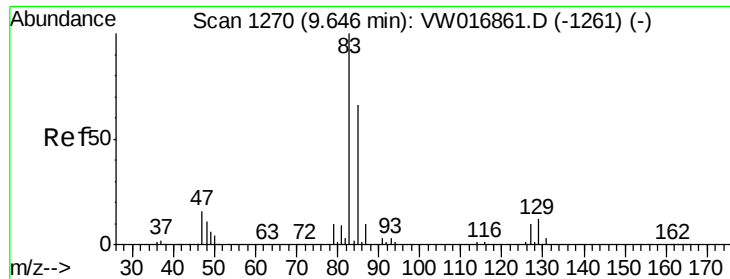
Tot Ion: 63 Resp: 62811
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.1 37.7



#46
 Dibromomethane
 Concen: 19.847 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 93 Resp: 34674
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 117.4 91.0 136.6





#47

Bromodichloromethane

Concen: 19.951 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

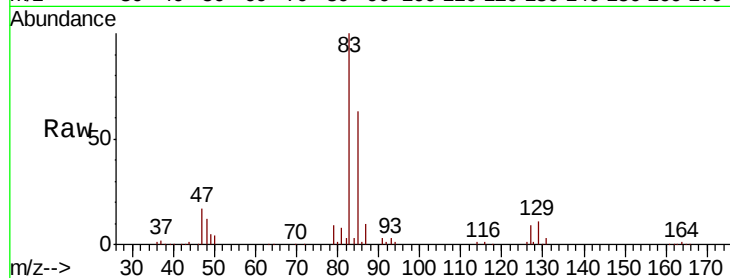
Tot Ion: 83 Resp: 86668

Ion Ratio Lower Upper

83 100

85 62.7 52.7 79.1

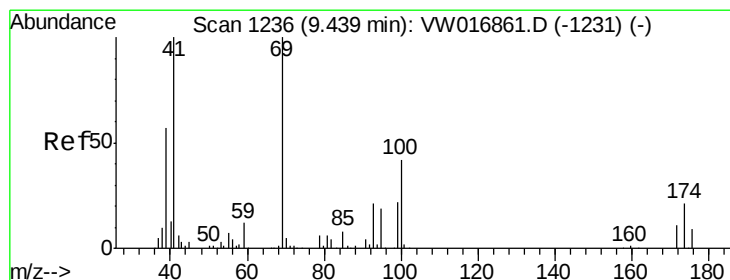
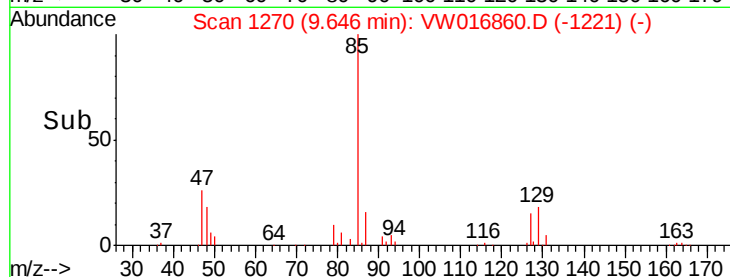
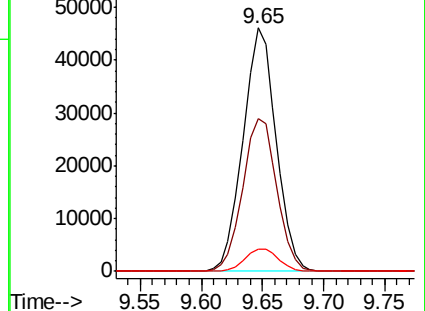
127 9.1 7.8 11.6



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: 19.461 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

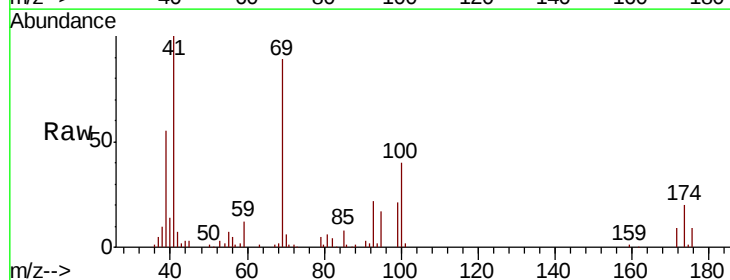
Tgt Ion: 41 Resp: 26982

Ion Ratio Lower Upper

41 100

69 104.1 83.5 125.3

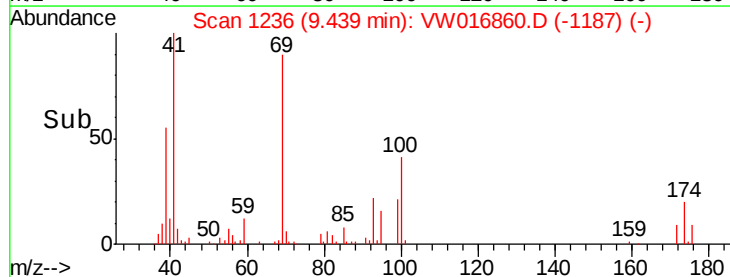
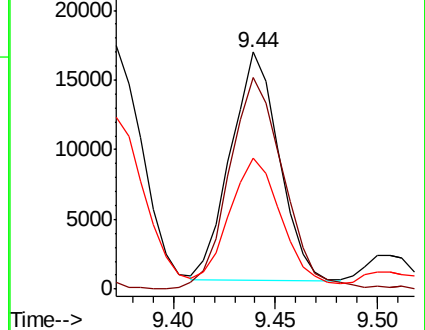
39 56.8 50.9 76.3

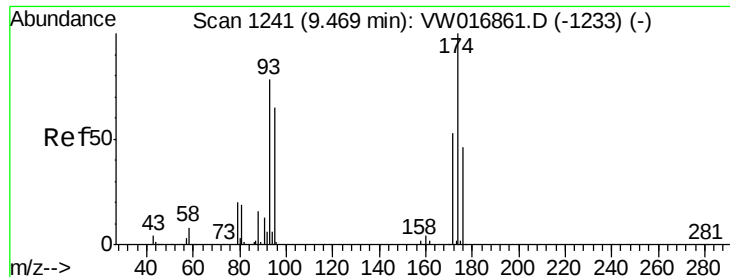


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 391.625 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

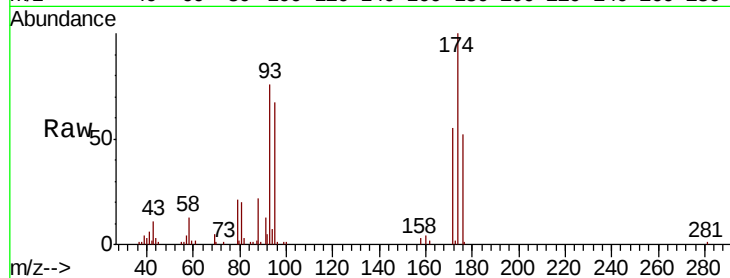
Tot Ion: 88 Resp: 7870

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

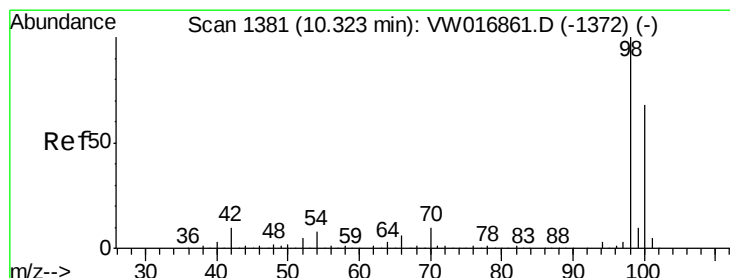
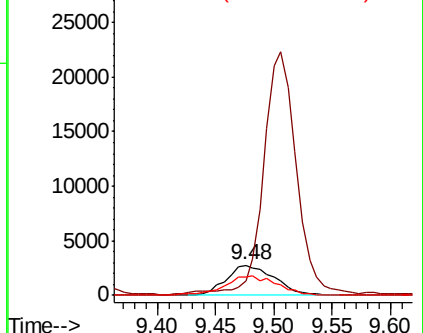
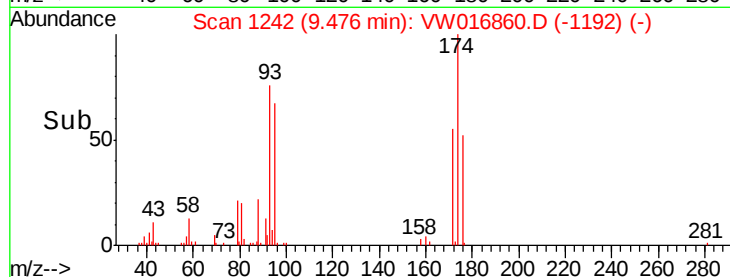
58 70.6 54.0 81.0



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: 20.066 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016860.D

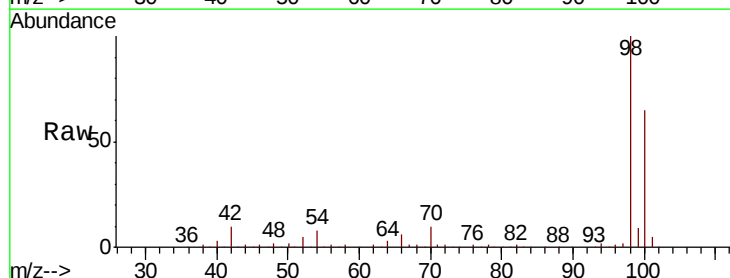
Acq: 09 Oct 2020 14:36

Tgt Ion: 98 Resp: 256431

Ion Ratio Lower Upper

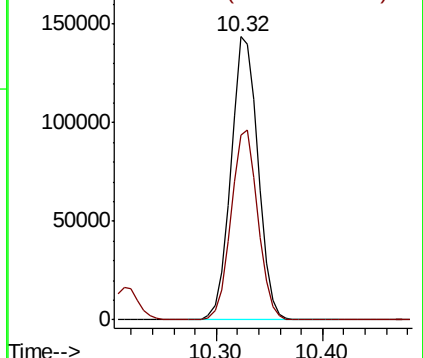
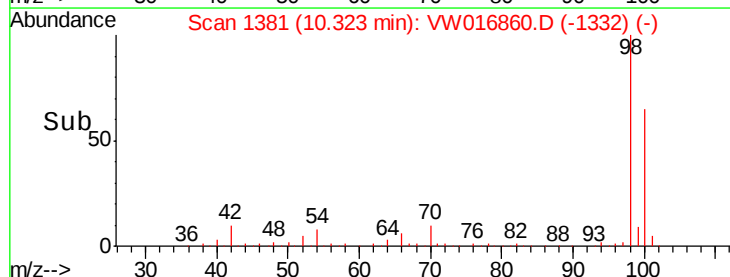
98 100

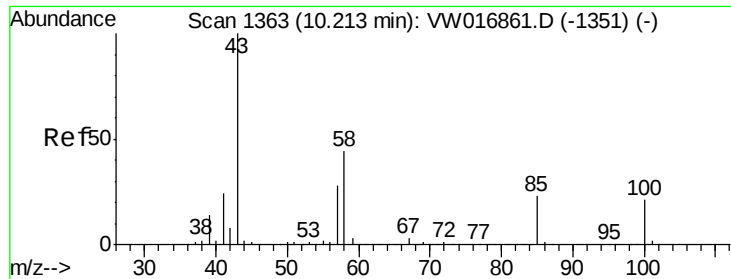
100 66.4 53.3 79.9



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: 96.183 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

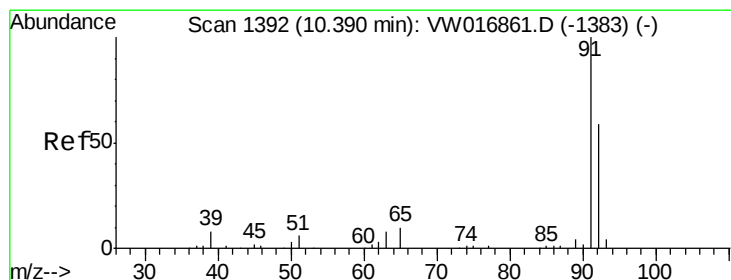
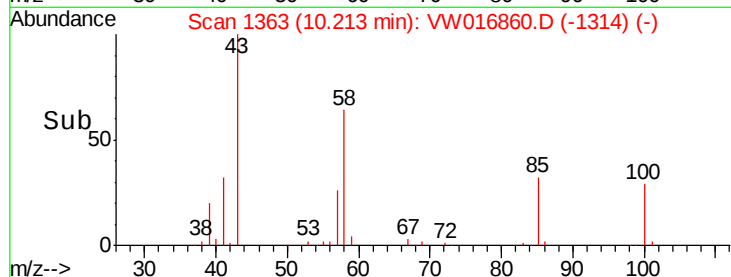
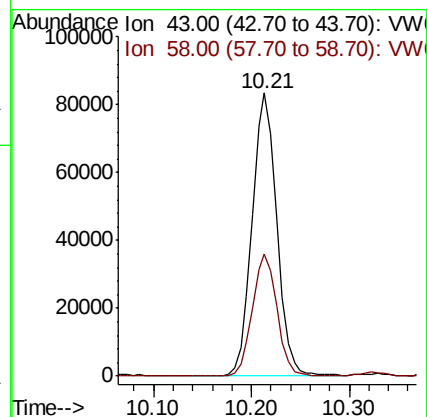
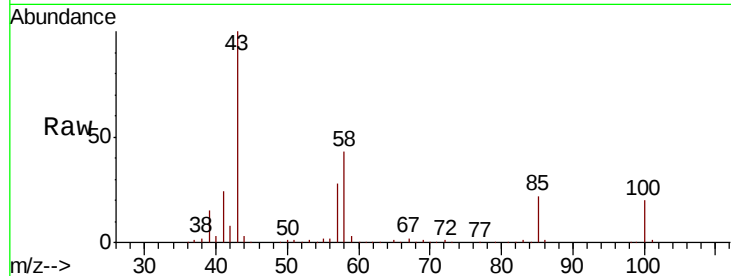
VSTDIC020

Tot Ion: 43 Resp: 146400

Ion Ratio Lower Upper

43 100

58 42.9 34.7 52.1



#52

Toluene

Concen: 20.307 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016860.D

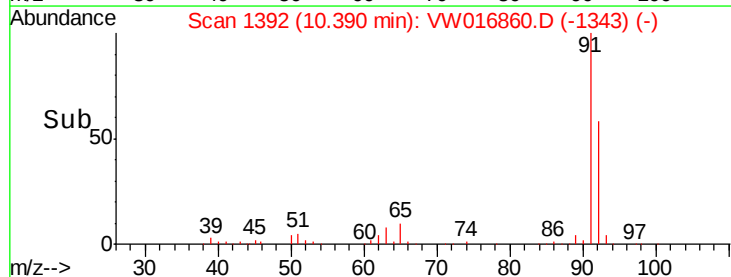
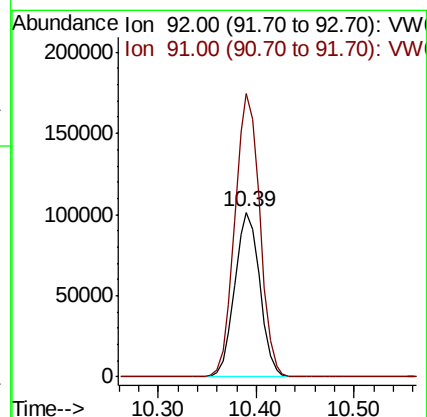
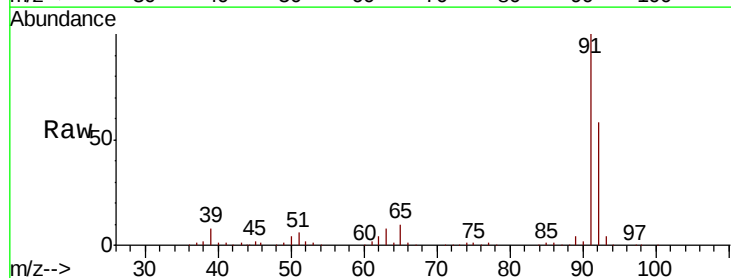
Acq: 09 Oct 2020 14:36

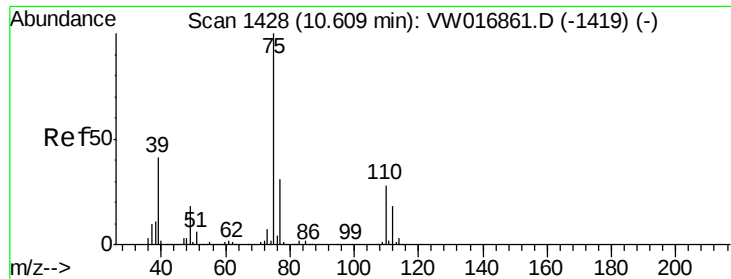
Tgt Ion: 92 Resp: 179804

Ion Ratio Lower Upper

92 100

91 172.1 134.7 202.1





#53

t-1,3-Dichloropropene

Concen: 19.776 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

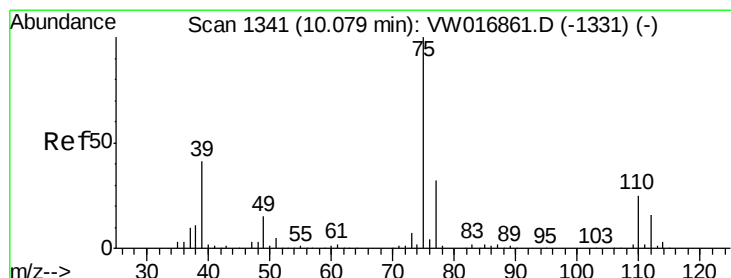
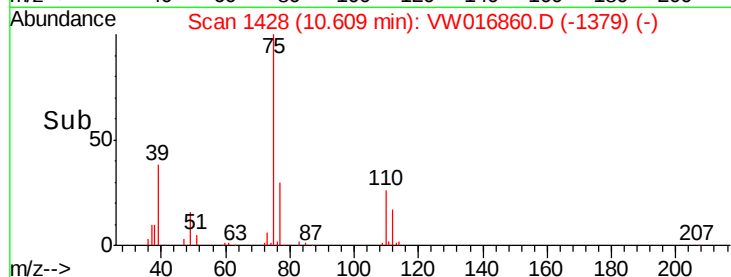
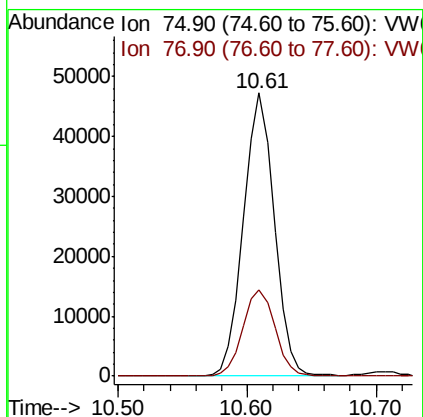
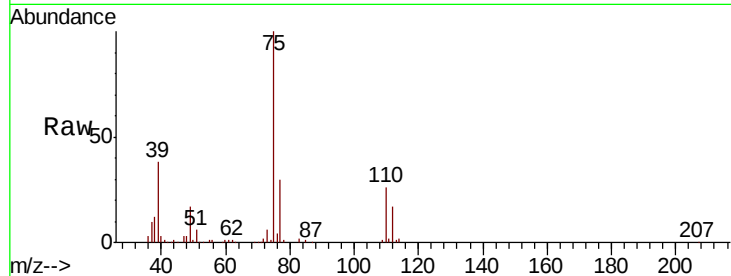
VSTDIC020

Tot Ion: 75 Resp: 78206

Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.917 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

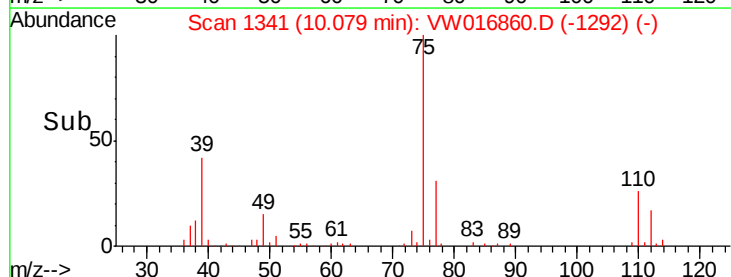
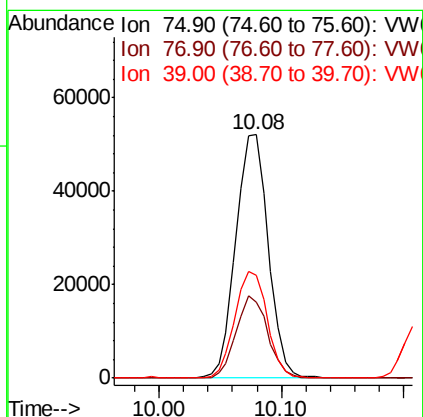
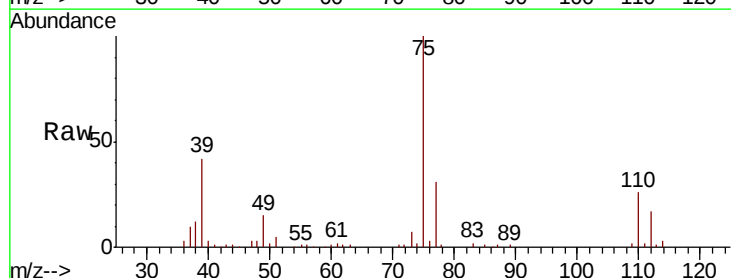
Tgt Ion: 75 Resp: 96208

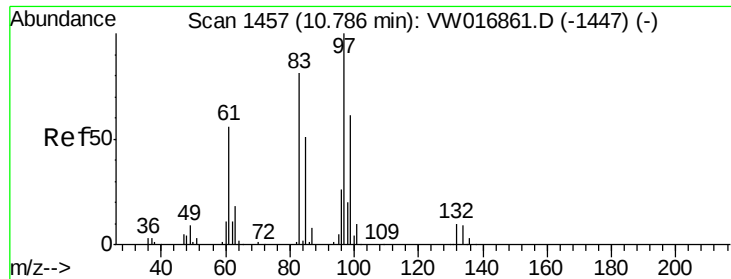
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 42.2 32.9 49.3

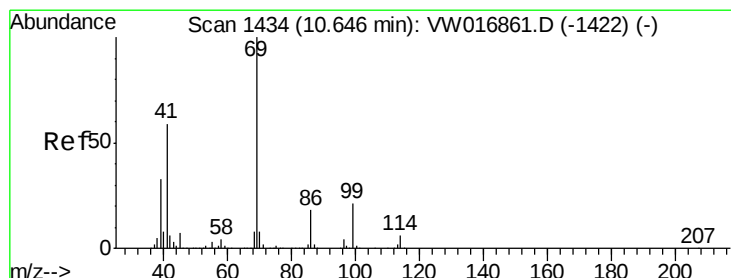
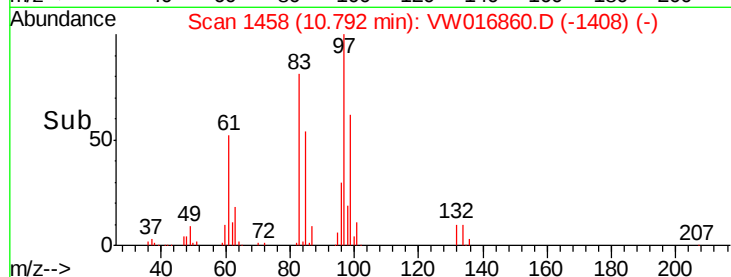
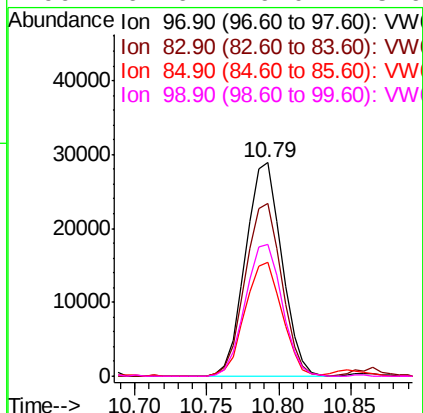
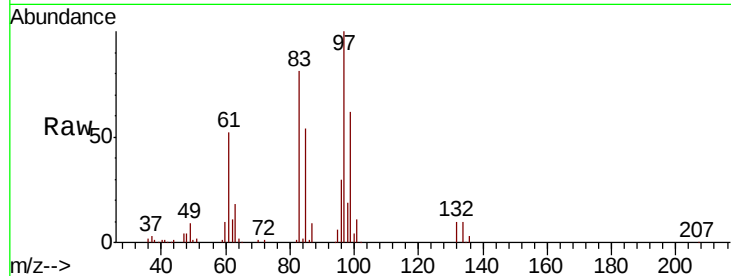




#55
 1,1,2-Trichloroethane
 Concen: 20.345 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

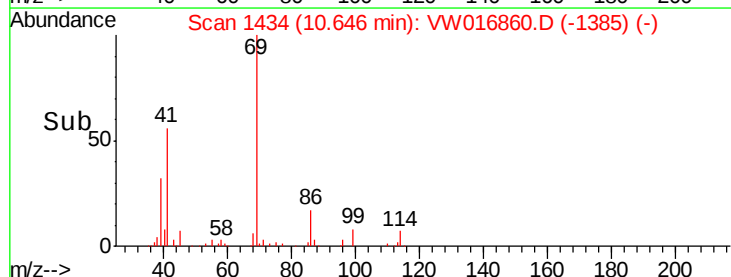
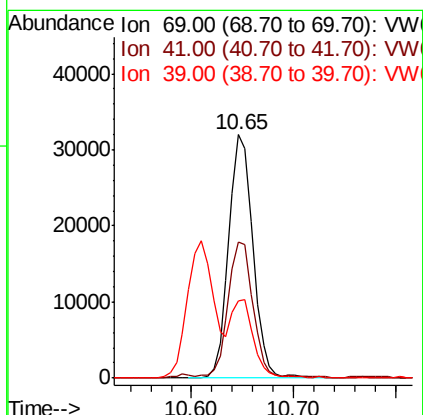
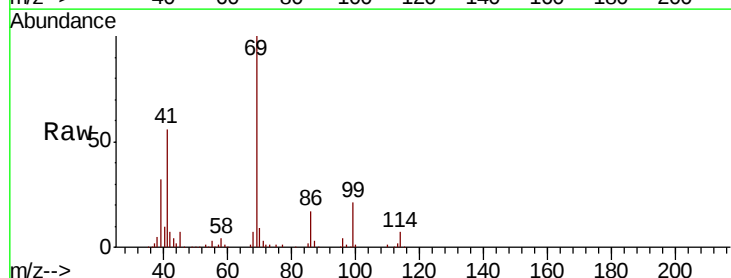
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

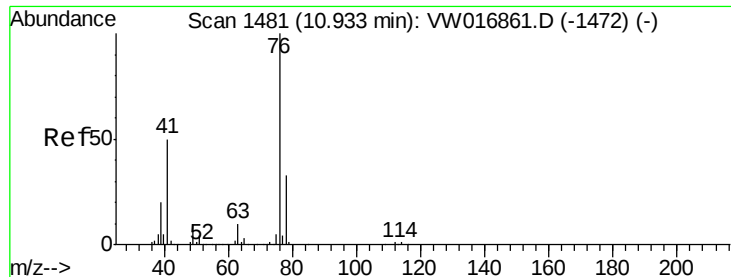
Tot Ion:	97	Resp:	50594
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.6	97.0
85	53.5	40.6	61.0
99	61.6	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 19.416 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion:	69	Resp:	52526
Ion	Ratio	Lower	Upper
69	100		
41	56.8	46.3	69.5
39	28.5	25.9	38.9

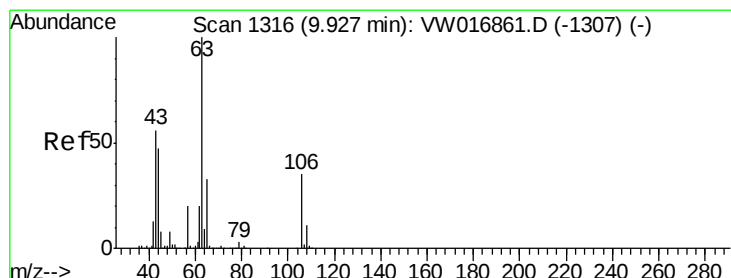
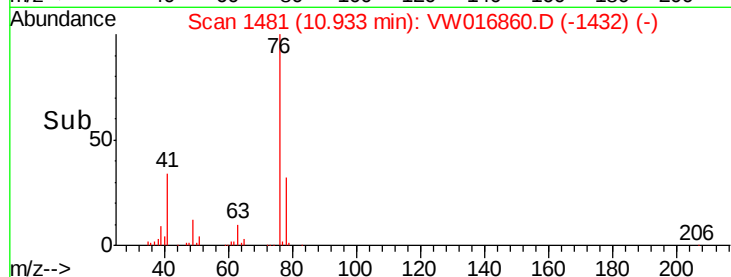
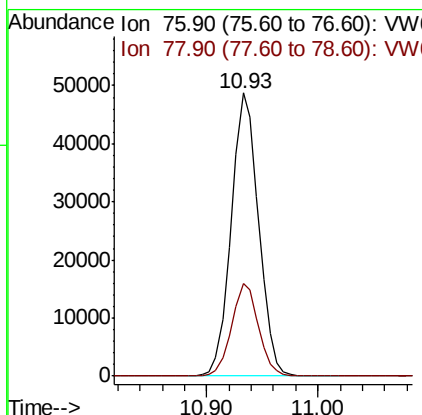
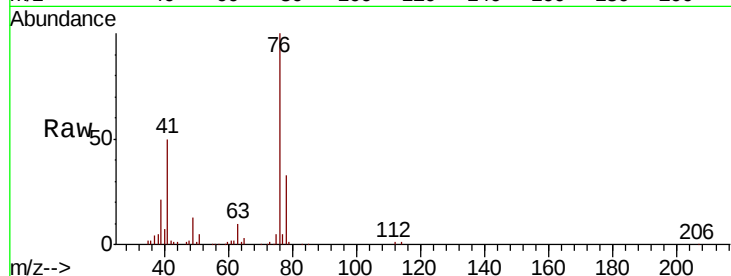




#57
 1,3-Dichloropropane
 Concen: 20.104 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

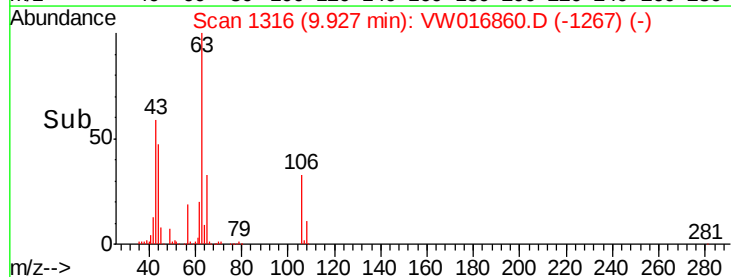
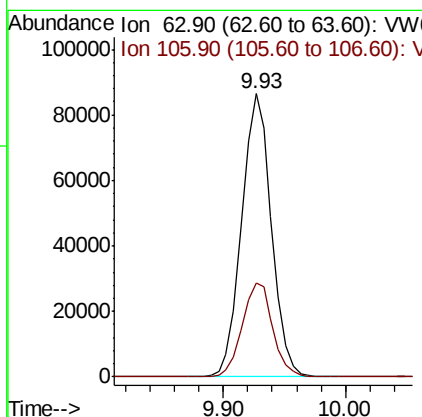
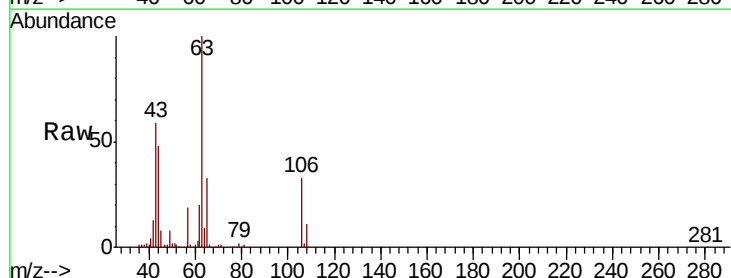
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

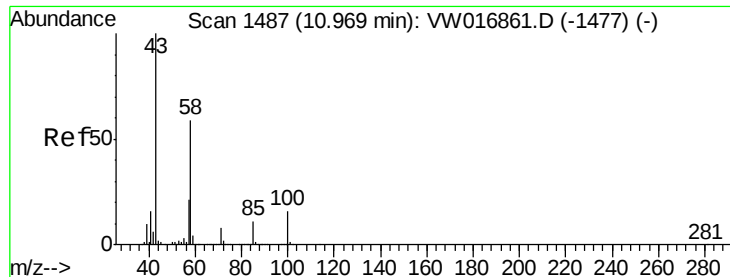
Tot Ion: 76 Resp: 82713
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.961 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 63 Resp: 145355
 Ion Ratio Lower Upper
 63 100
 106 33.8 27.0 40.4

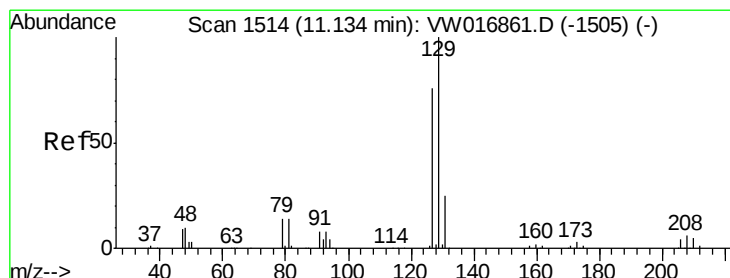
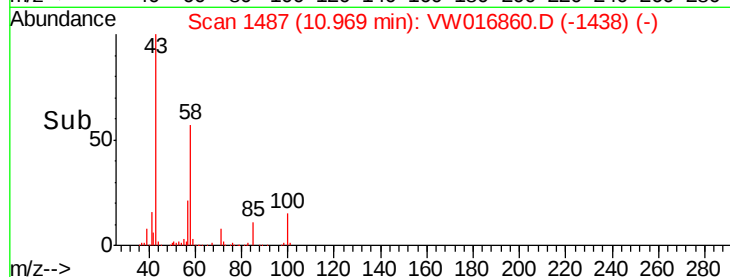
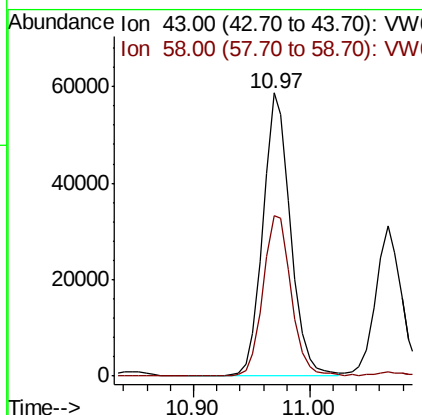
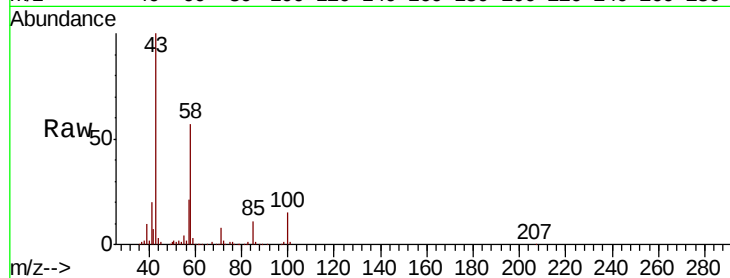




#59
2-Hexanone
Concen: 96.110 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

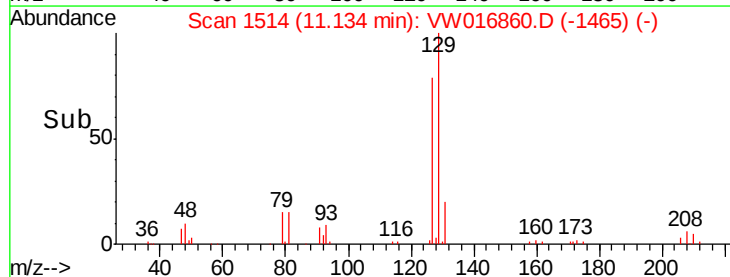
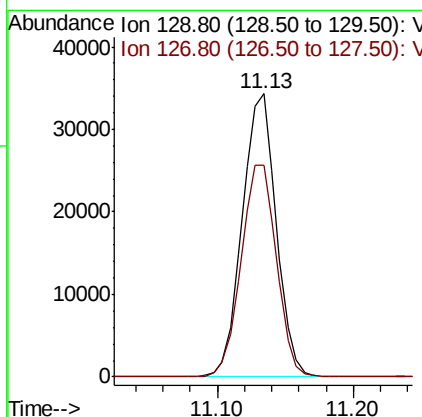
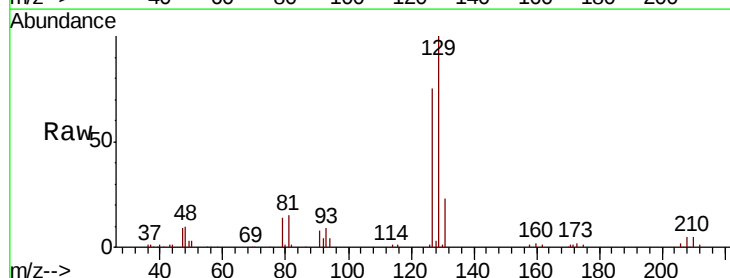
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

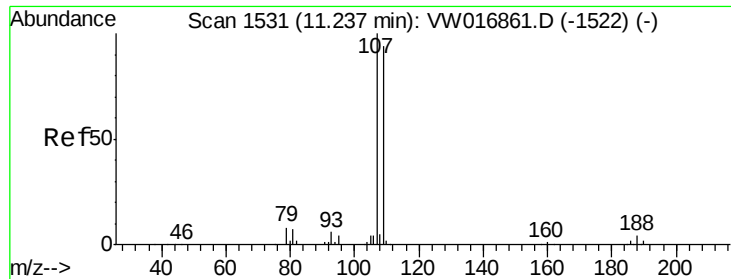
Tot Ion: 43 Resp: 96791
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5



#60
Dibromochloromethane
Concen: 19.646 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 129 Resp: 59924
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6

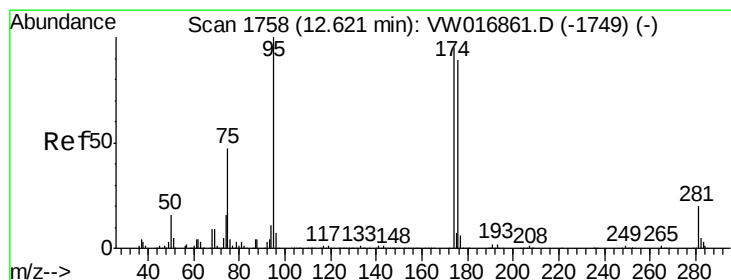
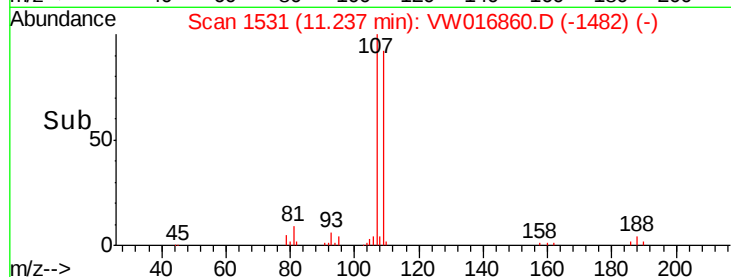
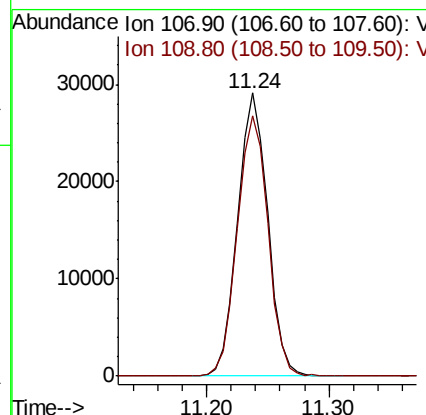
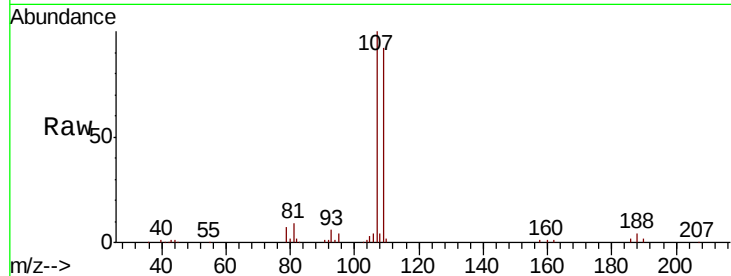




#61
 1,2-Dibromoethane
 Concen: 20.054 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

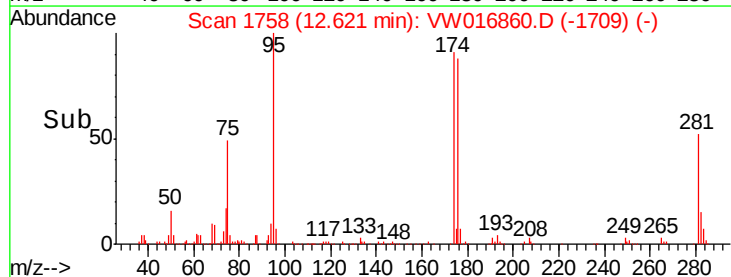
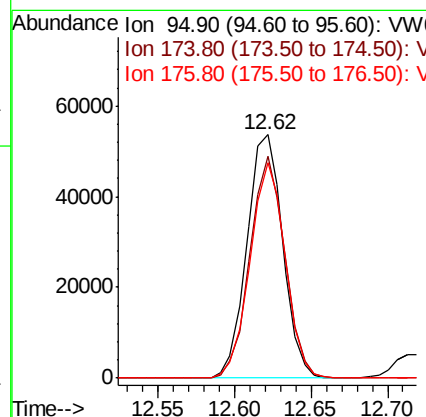
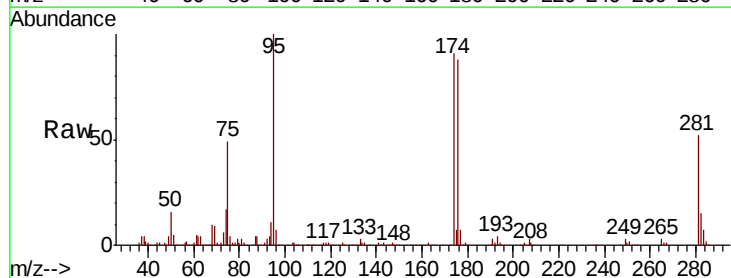
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

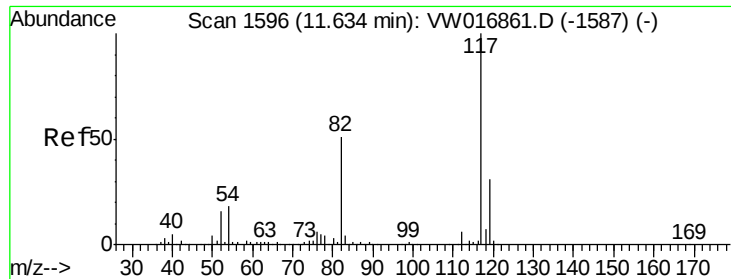
Tot Ion:107 Resp: 49388
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 19.852 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 95 Resp: 87484
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 180.6
 176 86.7 0.0 177.6

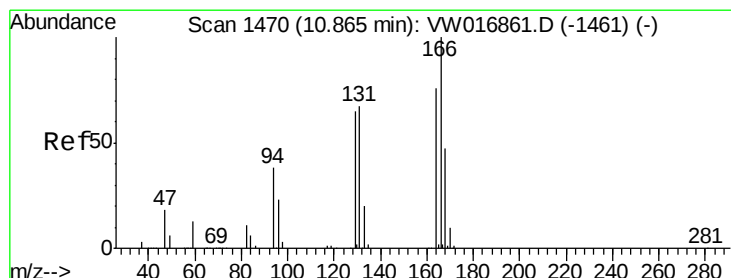
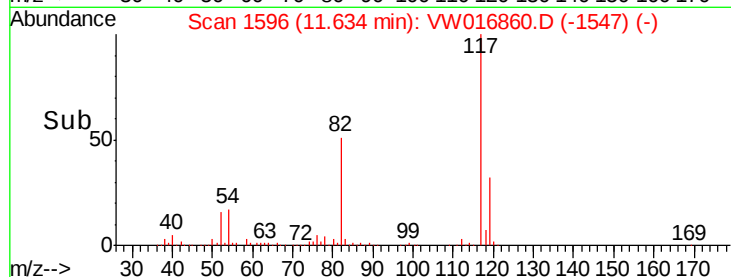
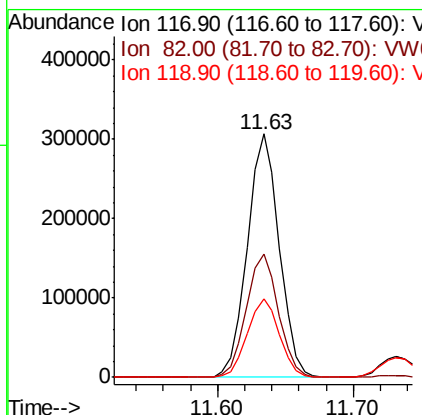
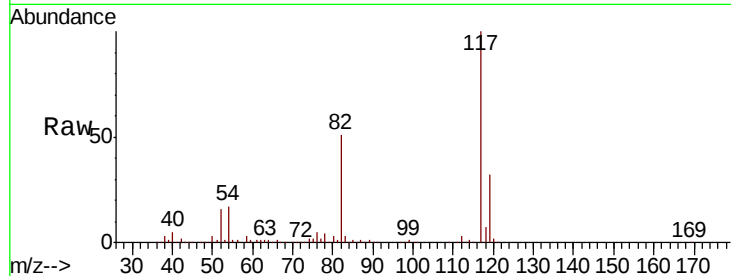




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

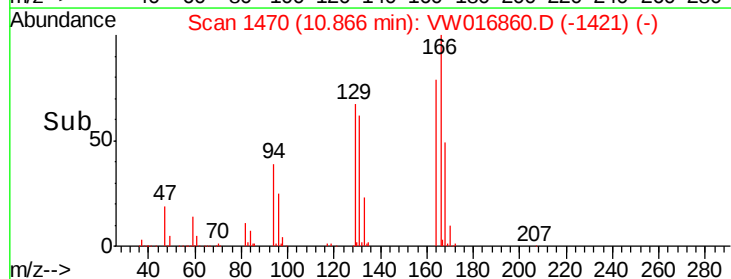
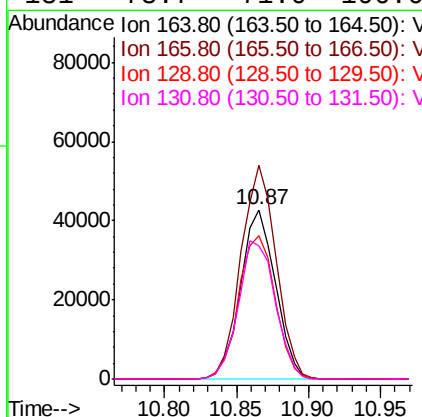
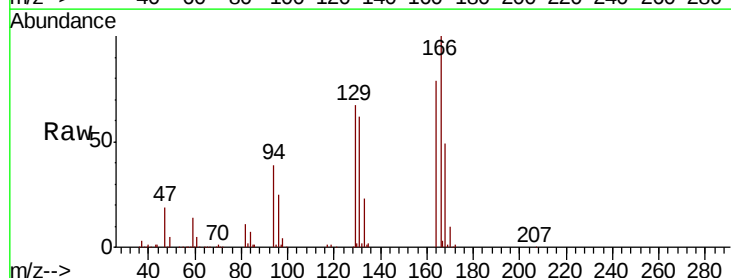
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

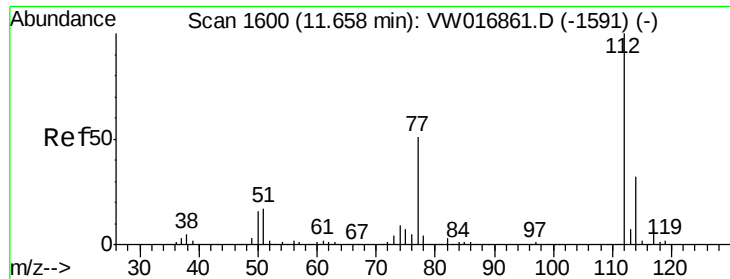
Tot Ion:117 Resp: 503089
Ion Ratio Lower Upper
117 100
82 50.7 40.7 61.1
119 32.3 25.0 37.4



#64
Tetrachloroethene
Concen: 20.061 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:164 Resp: 71906
Ion Ratio Lower Upper
164 100
166 126.0 105.3 157.9
129 84.4 68.8 103.2
131 78.7 71.0 106.6

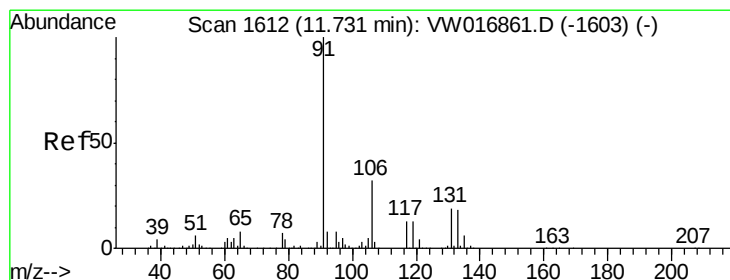
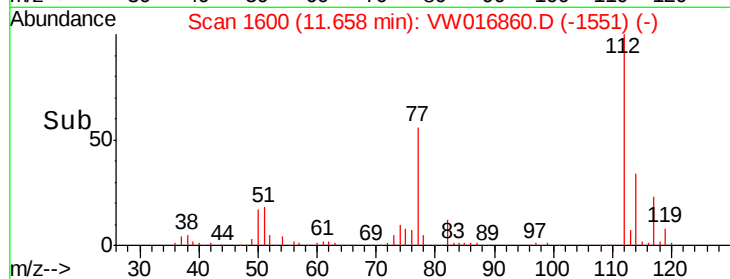
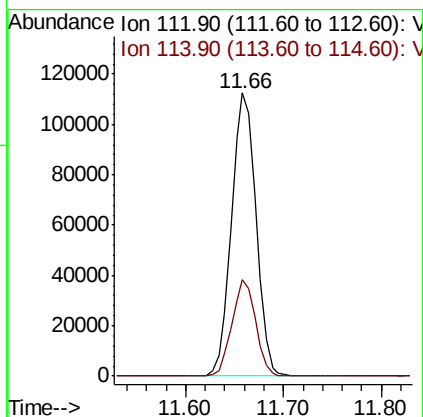
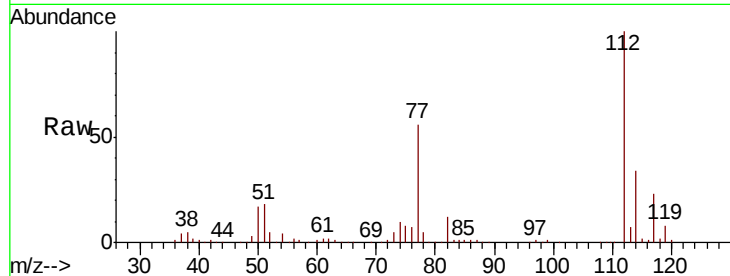




#65
Chlorobenzene
Concen: 19.831 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

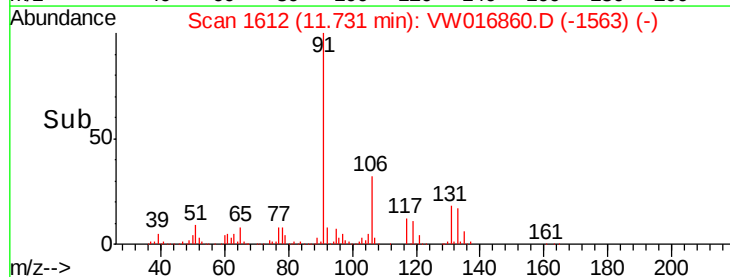
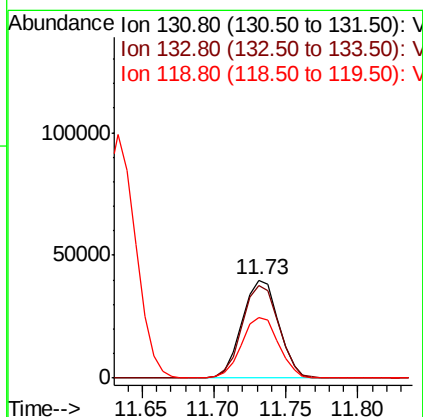
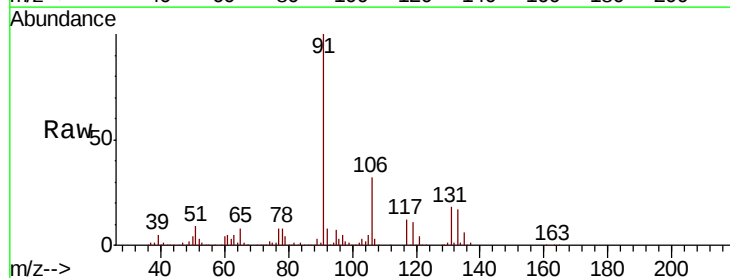
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

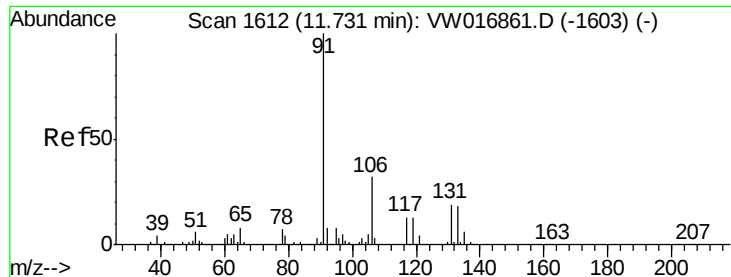
Tot Ion:112 Resp: 195689
Ion Ratio Lower Upper
112 100
114 34.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.102 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:131 Resp: 70150
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 63.0 32.5 97.4

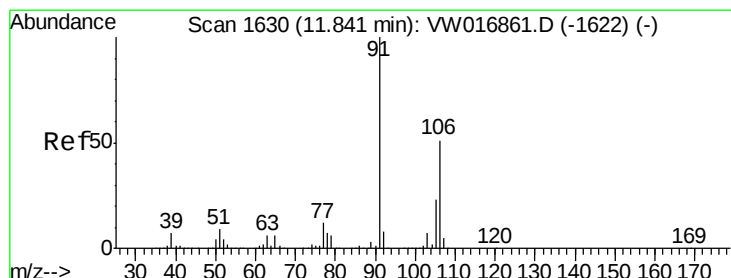
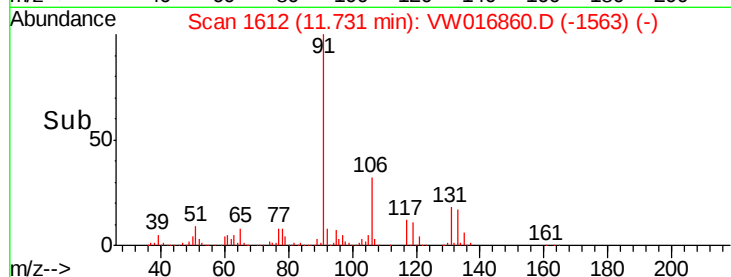
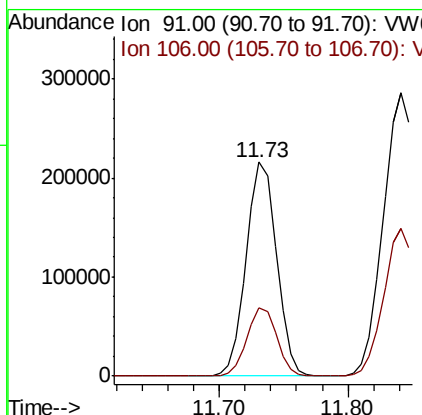
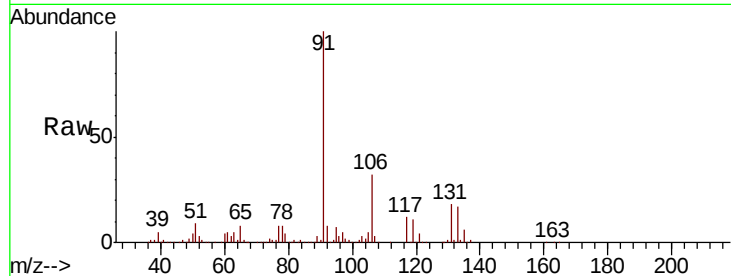




#67
Ethyl Benzene
Concen: 20.464 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

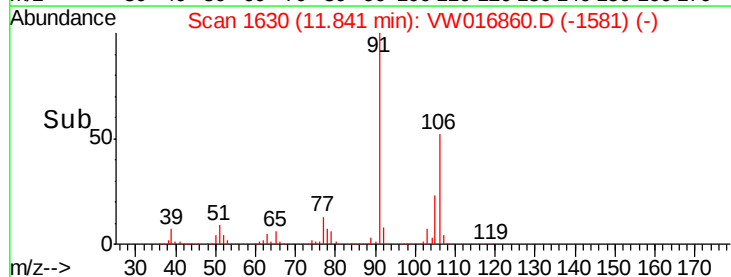
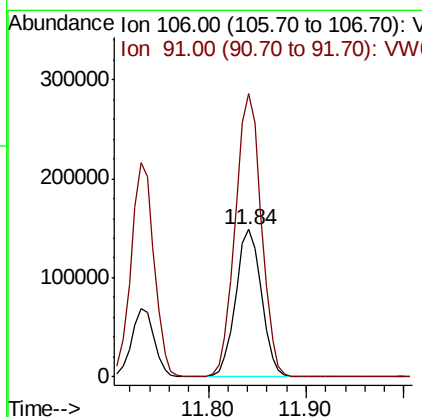
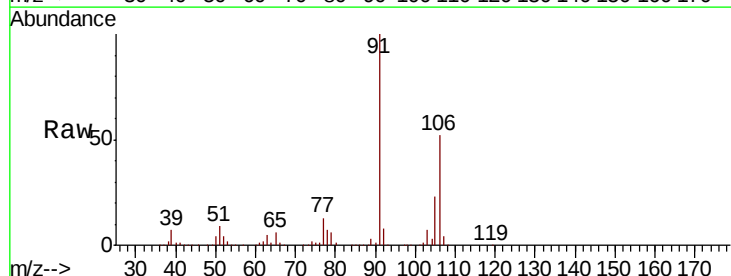
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

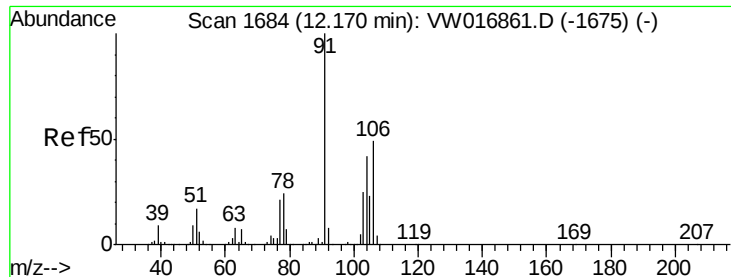
Tot Ion: 91 Resp: 351882
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9



#68
m/p-Xylenes
Concen: 40.809 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 106 Resp: 272919
Ion Ratio Lower Upper
106 100
91 193.6 157.4 236.0

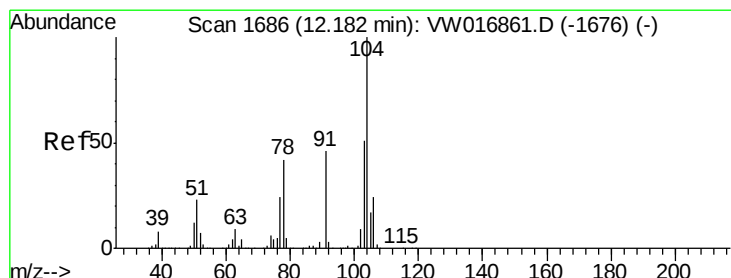
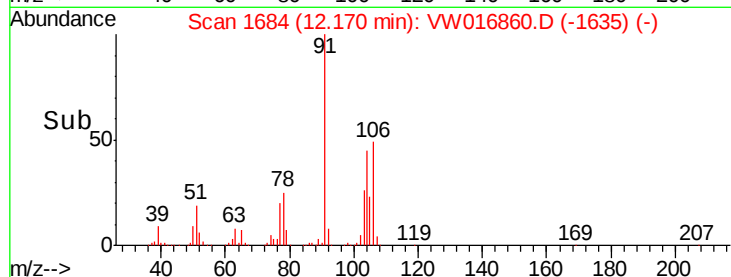
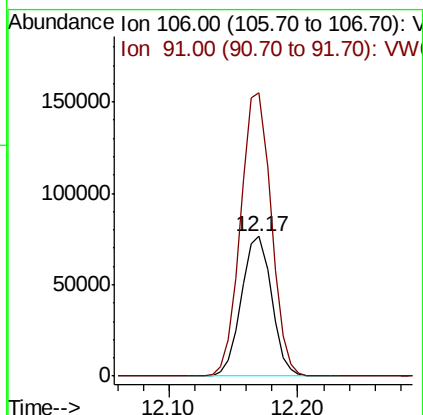
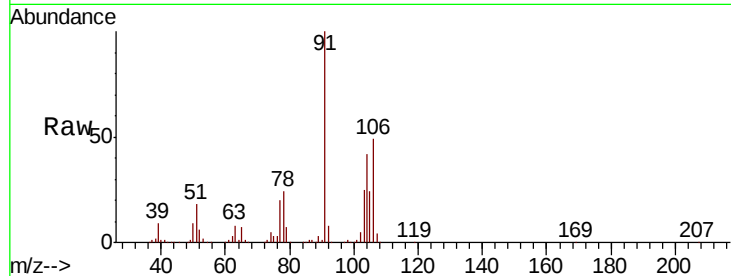




#69
o-Xylene
Concen: 20.134 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

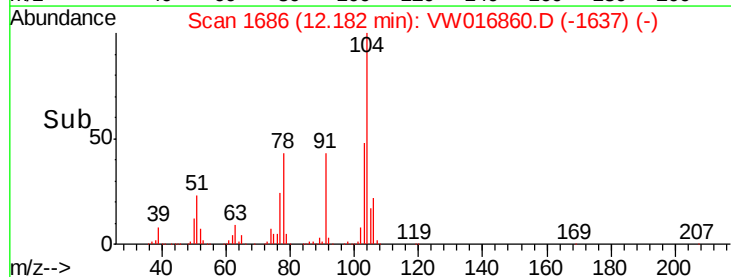
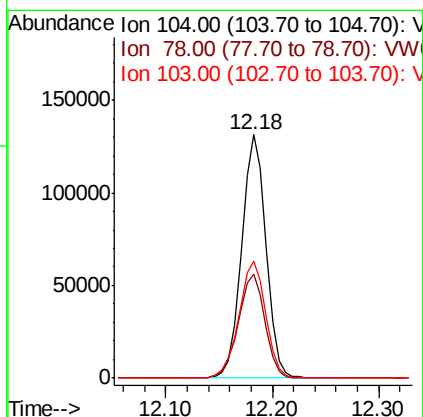
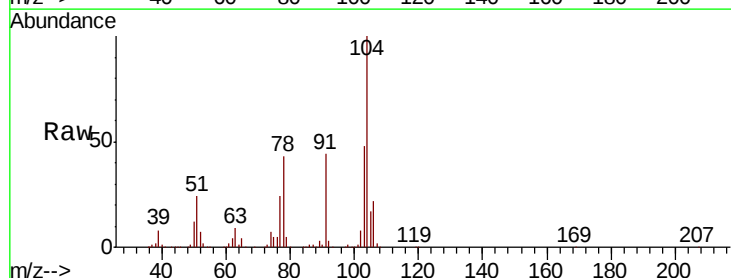
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

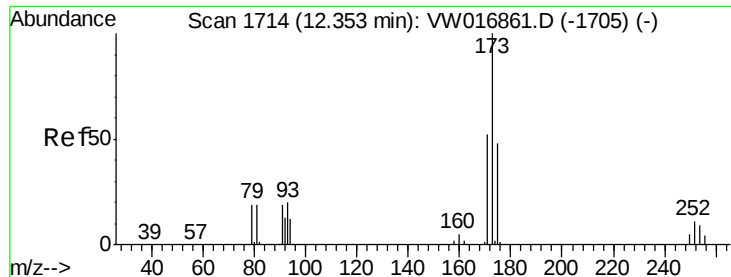
Tot Ion:106 Resp: 123564
Ion Ratio Lower Upper
106 100
91 207.0 103.6 310.9



#70
Styrene
Concen: 20.572 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:104 Resp: 210122
Ion Ratio Lower Upper
104 100
78 46.9 37.6 56.4
103 53.1 43.6 65.4





#71

Bromoform

Concen: 19.349 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

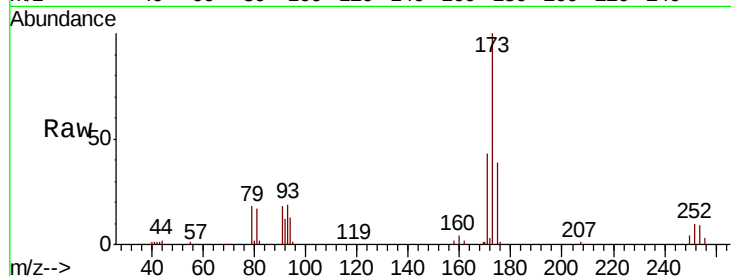
Tot Ion:173 Resp: 33899

Ion Ratio Lower Upper

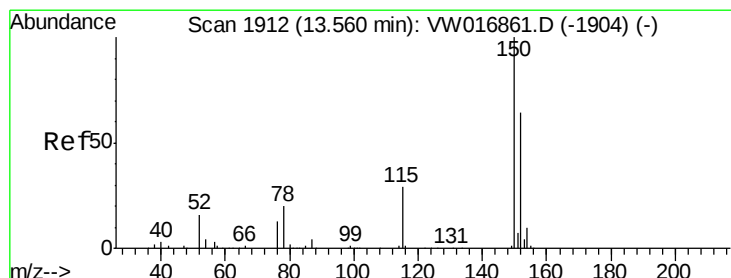
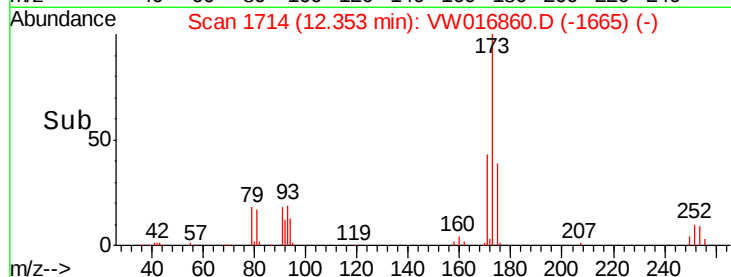
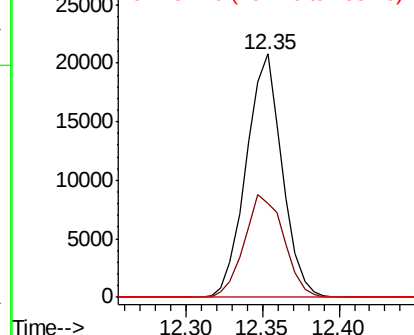
173 100

175 46.3 24.7 74.1

254 0.1 0.1 0.1#



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: VW016860.D

Acq: 09 Oct 2020 14:36

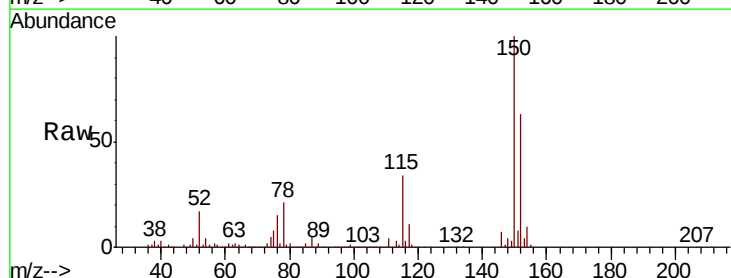
Tgt Ion:152 Resp: 258572

Ion Ratio Lower Upper

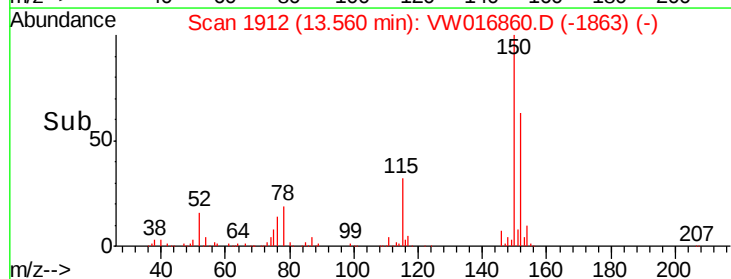
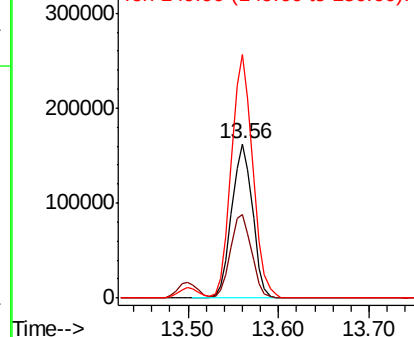
152 100

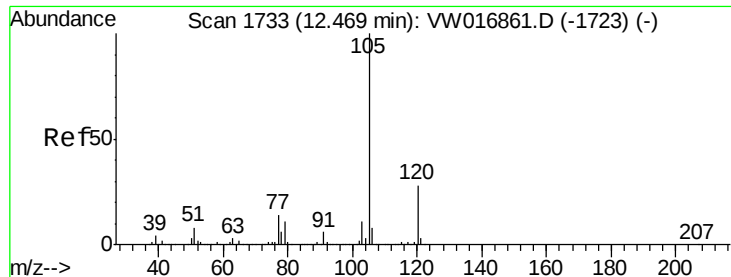
115 55.3 27.9 83.7

150 162.2 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.101 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

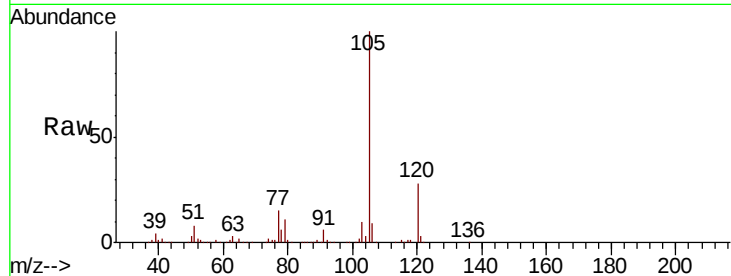
VSTDIC020

Tot Ion:105 Resp: 345462

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

250000

200000

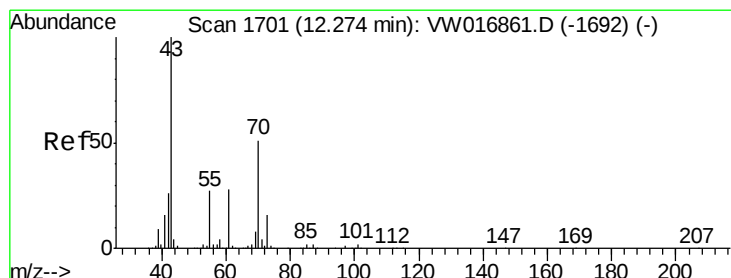
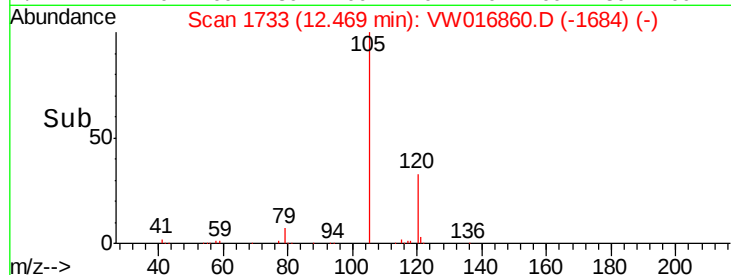
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.096 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion: 43 Resp: 52715

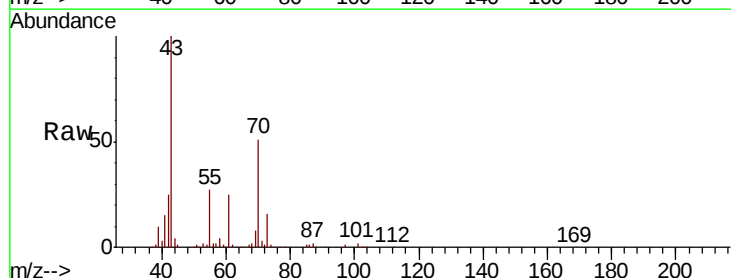
Ion Ratio Lower Upper

43 100

70 50.4 40.2 60.4

55 28.0 21.4 32.0

61 25.6 21.4 32.2



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

50000

40000

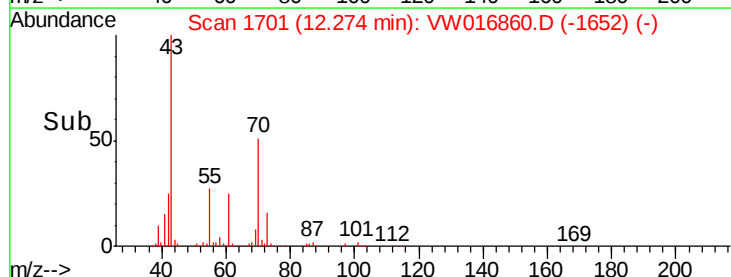
30000

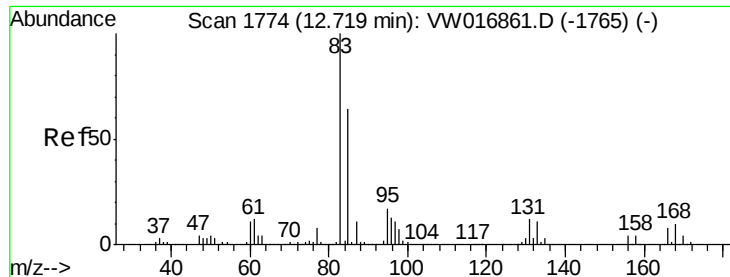
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

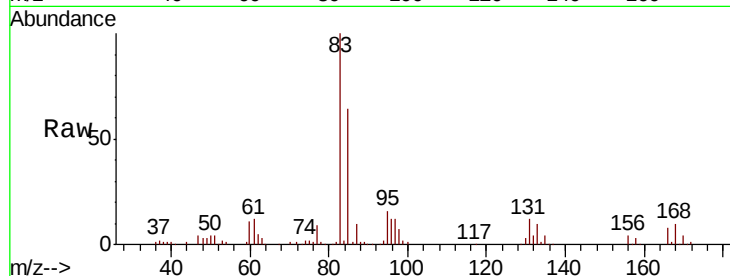
Tot Ion: 83 Resp: 53106

Ion Ratio Lower Upper

83 100

131 11.8 6.1 18.3

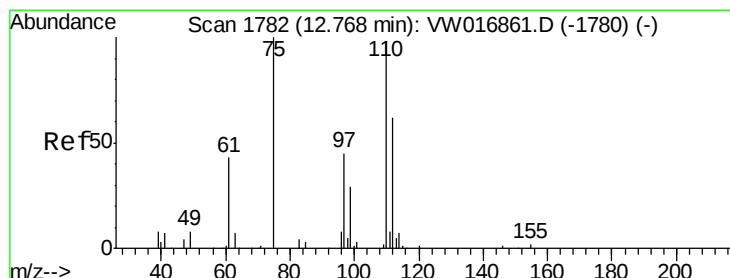
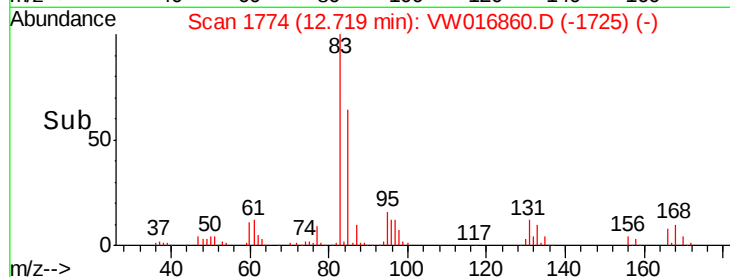
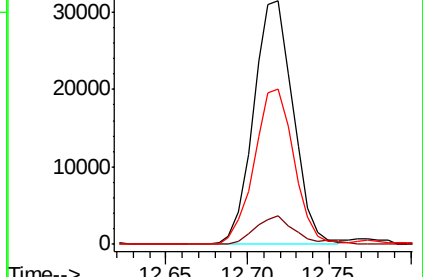
85 64.1 32.7 98.1



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: 38.533 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016860.D

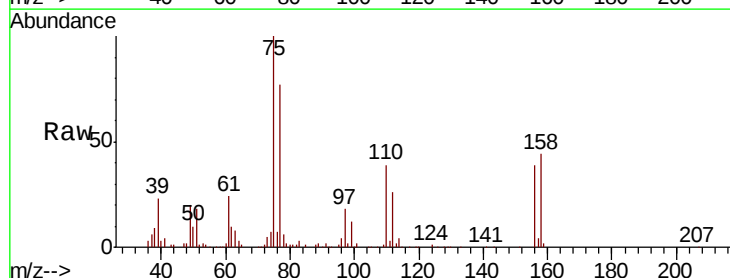
Acq: 09 Oct 2020 14:36

Tgt Ion: 75 Resp: 64278

Ion Ratio Lower Upper

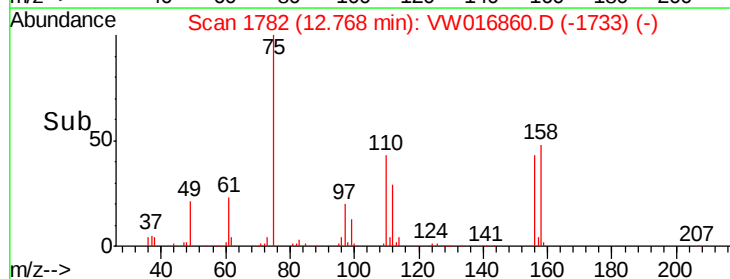
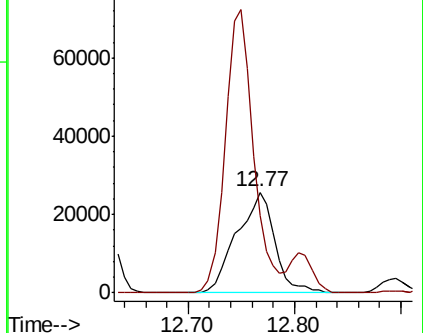
75 100

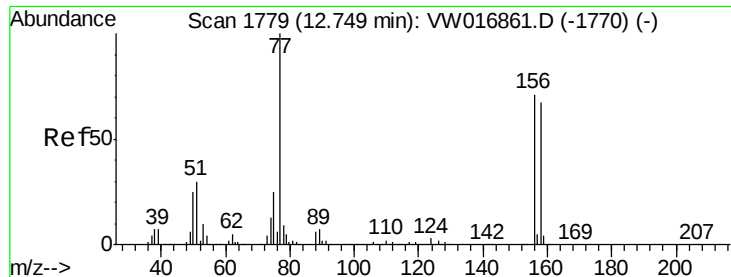
77 208.2 178.8 536.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.210 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

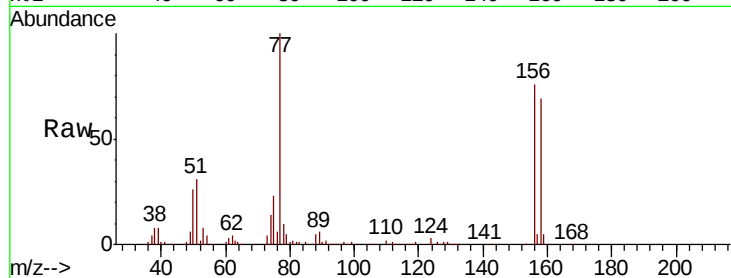
Tot Ion:156 Resp: 85859

Ion Ratio Lower Upper

156 100

77 155.8 79.0 237.2

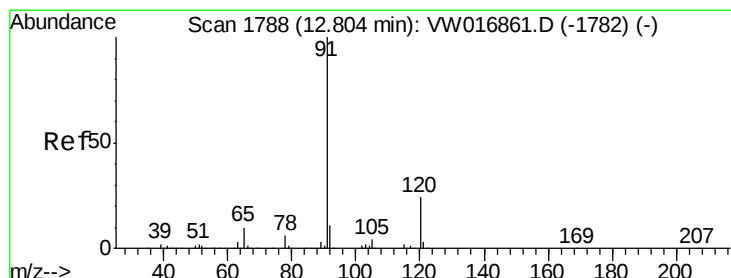
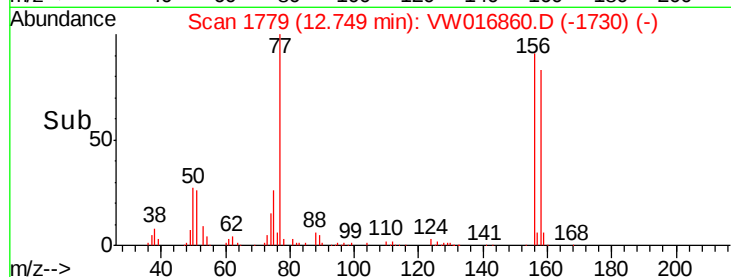
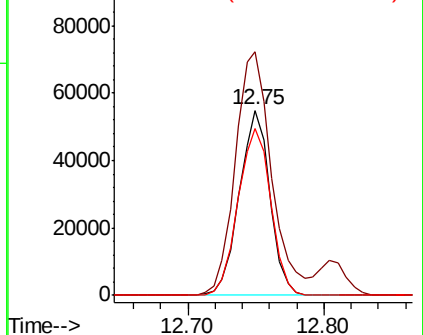
158 96.4 47.0 141.2



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: 20.452 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016860.D

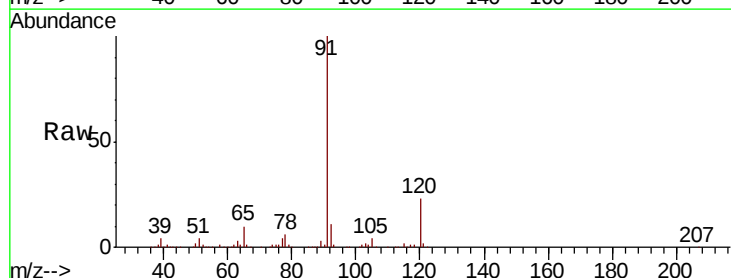
Acq: 09 Oct 2020 14:36

Tgt Ion: 91 Resp: 405359

Ion Ratio Lower Upper

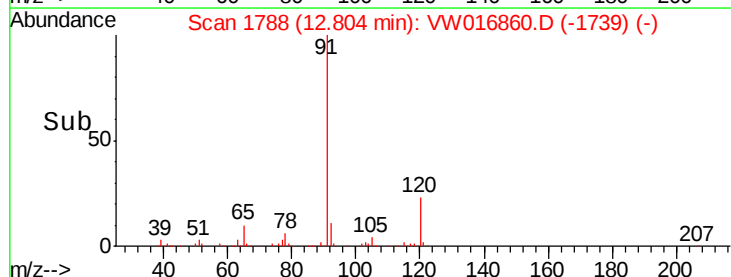
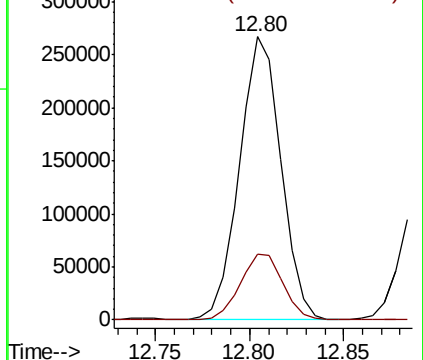
91 100

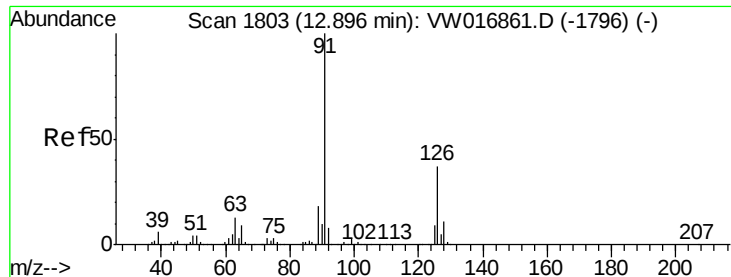
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.349 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

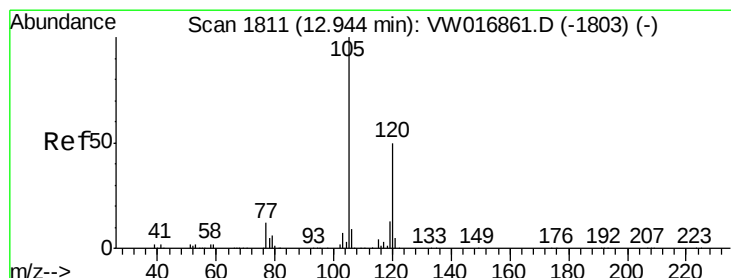
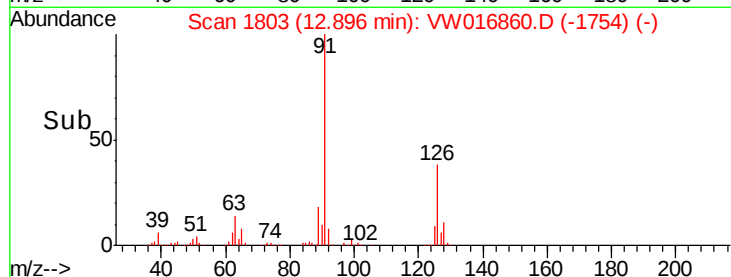
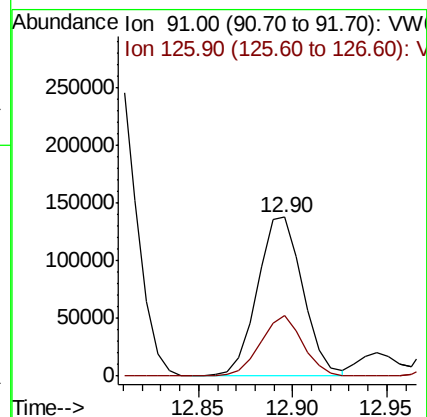
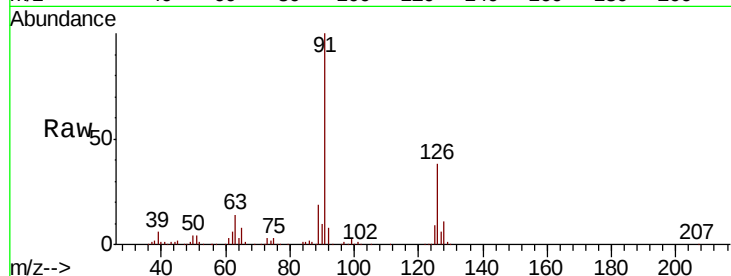
VSTDIC020

Tot Ion: 91 Resp: 230076

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 20.424 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016860.D

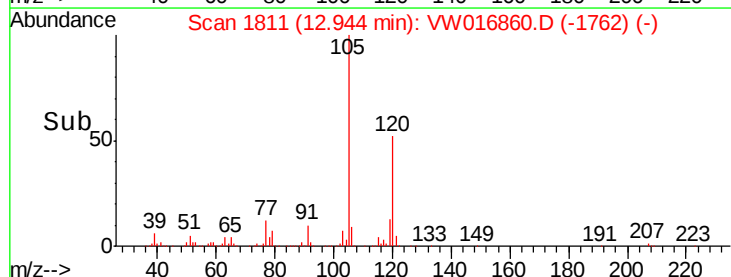
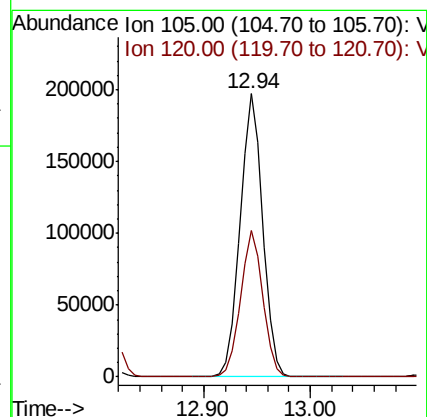
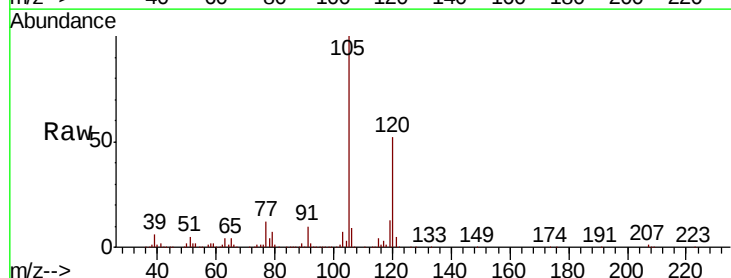
Acq: 09 Oct 2020 14:36

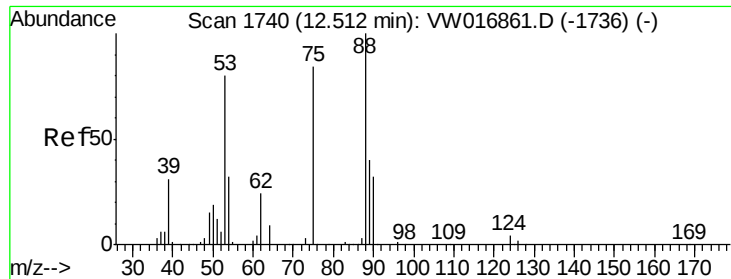
Tgt Ion:105 Resp: 294175

Ion Ratio Lower Upper

105 100

120 51.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.562 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

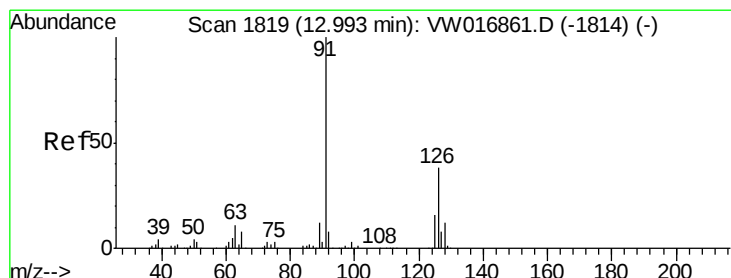
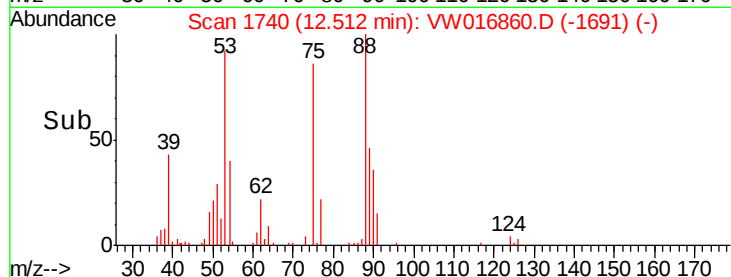
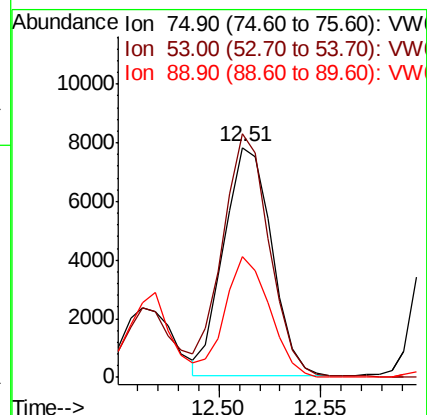
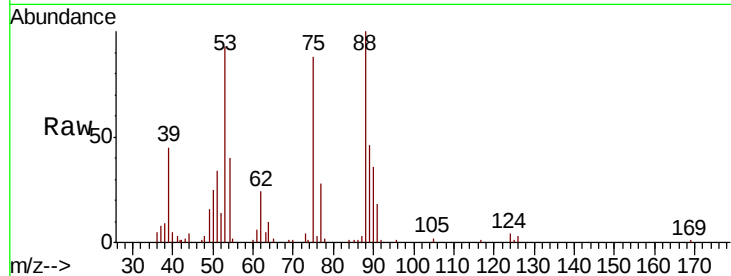
Tot Ion: 75 Resp: 12606

Ion Ratio Lower Upper

75 100

53 105.6 77.0 115.4

89 49.9 38.7 58.1



#82

4-Chlorotoluene

Concen: 20.100 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW016860.D

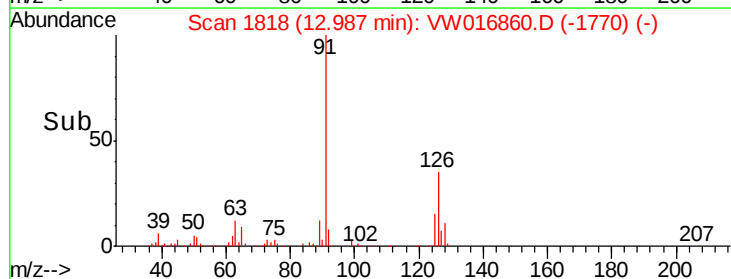
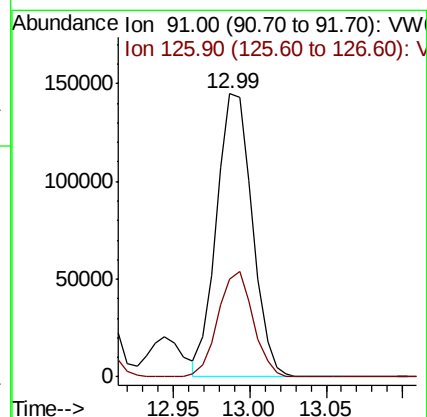
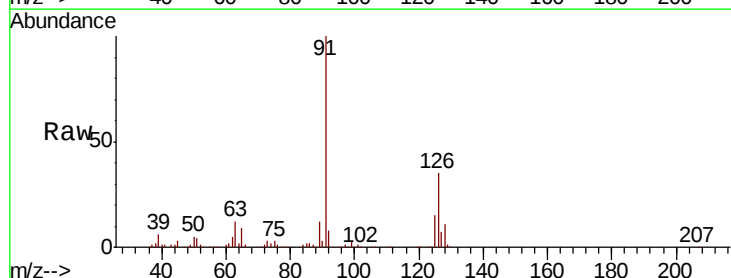
Acq: 09 Oct 2020 14:36

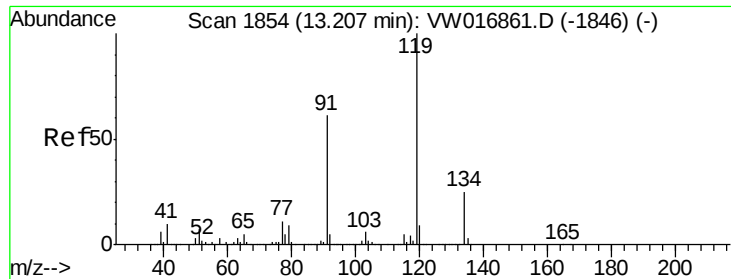
Tgt Ion: 91 Resp: 234603

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.3

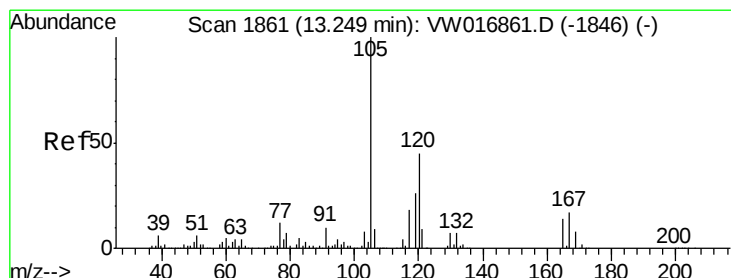
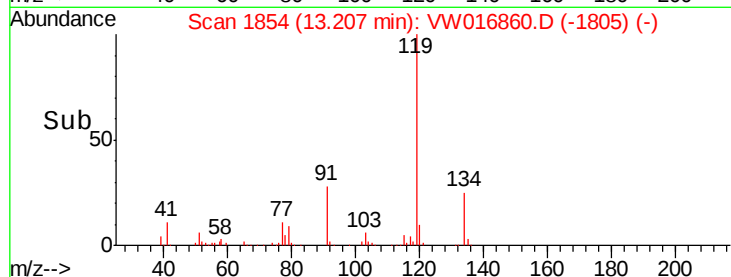
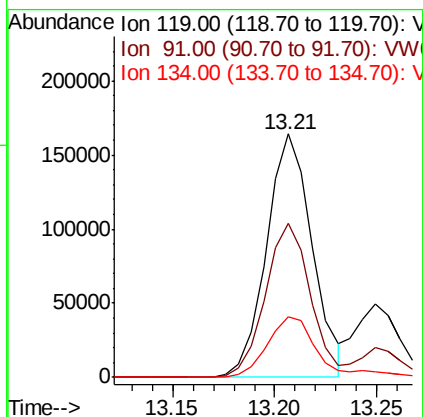
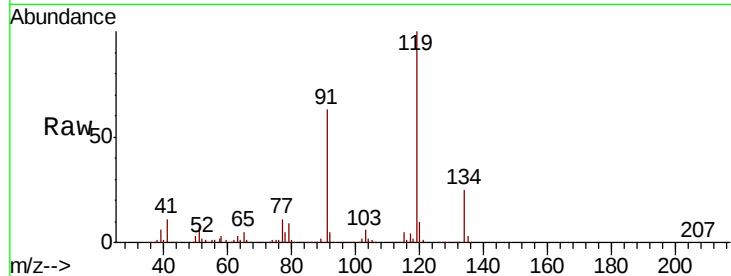




#83
tert-Butylbenzene
Concen: 20.465 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

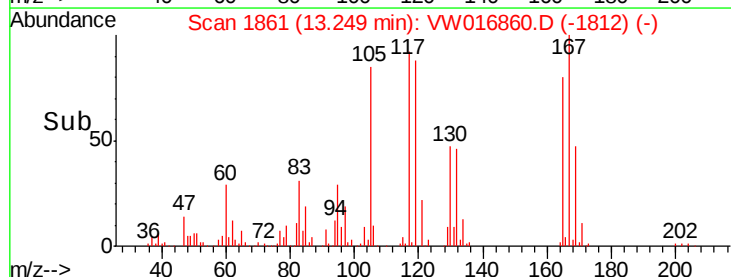
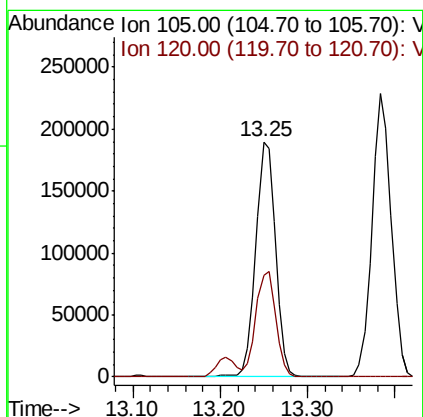
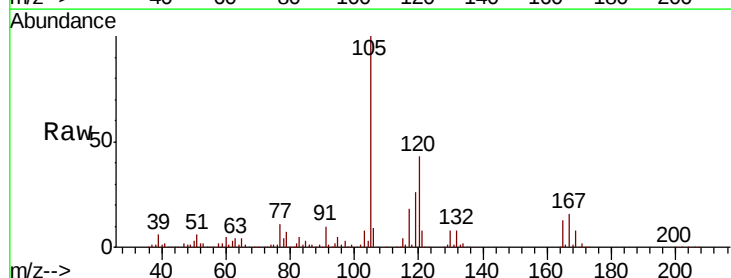
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

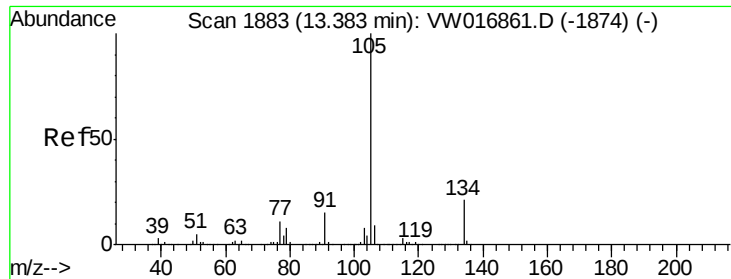
Tot Ion:119 Resp: 256004
Ion Ratio Lower Upper
119 100
91 63.4 31.3 93.9
134 25.5 14.0 42.0



#84
1,2,4-Trimethylbenzene
Concen: 20.729 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:105 Resp: 297495
Ion Ratio Lower Upper
105 100
120 45.2 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.174 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

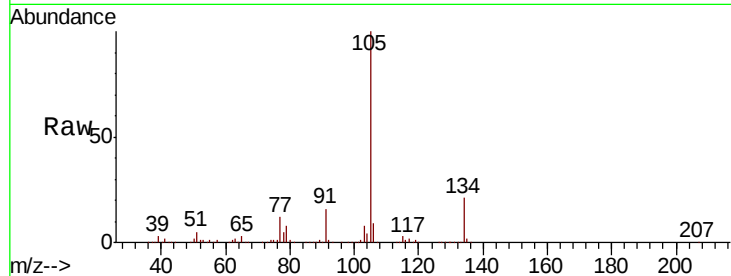
VSTDIC020

Tot Ion:105 Resp: 351285

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

250000

200000

150000

100000

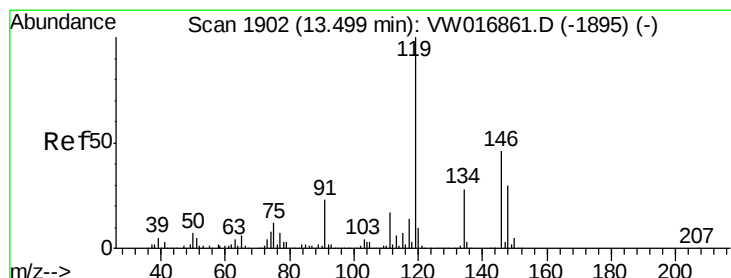
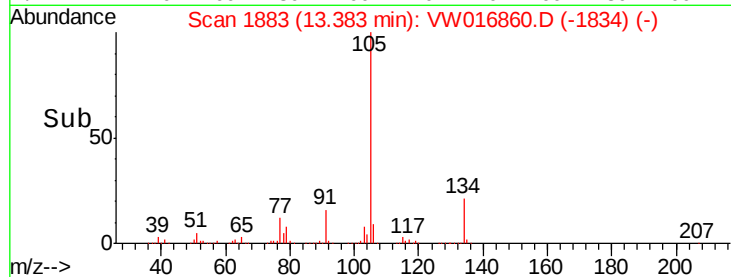
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 20.485 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

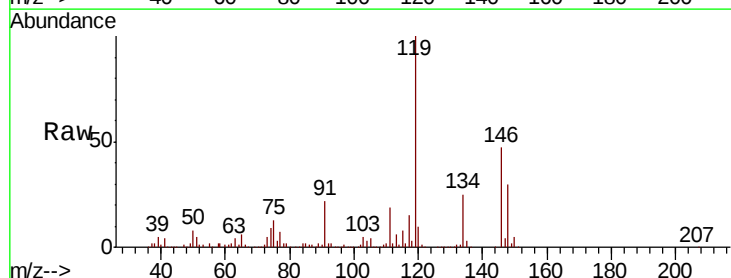
Tgt Ion:119 Resp: 332136

Ion Ratio Lower Upper

119 100

134 26.5 13.8 41.3

91 22.0 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

100000

50000

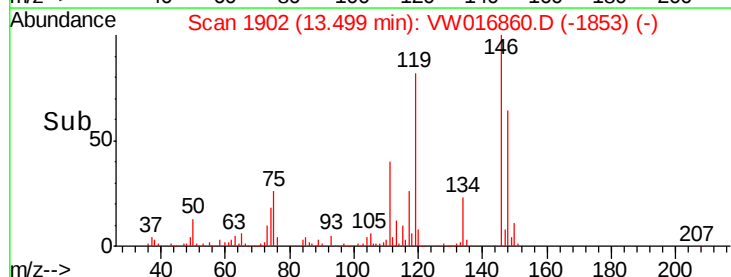
0

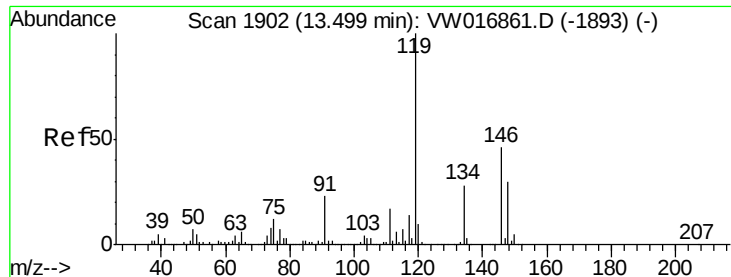
Time-->

13.45

13.50

13.55

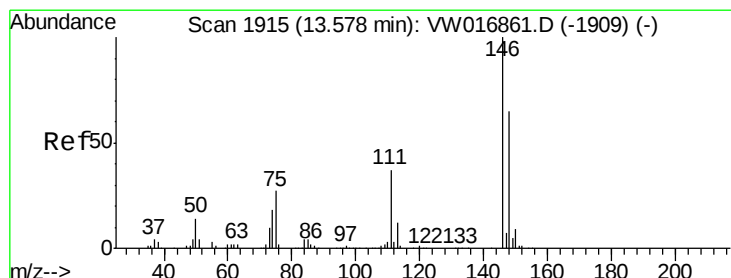
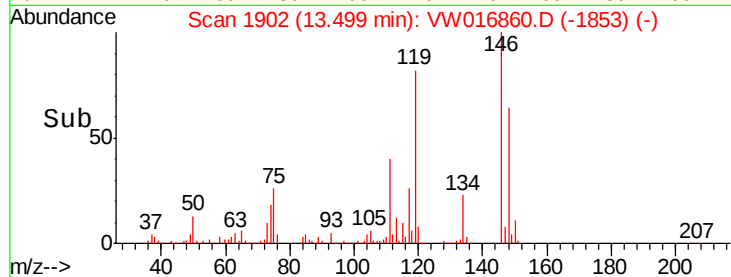
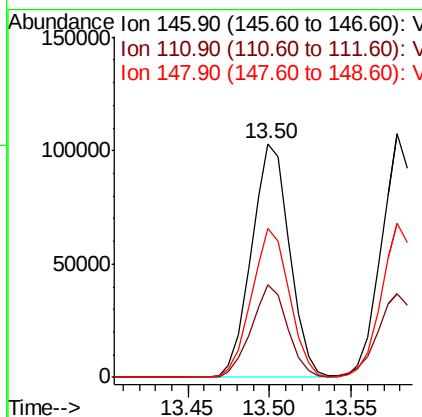
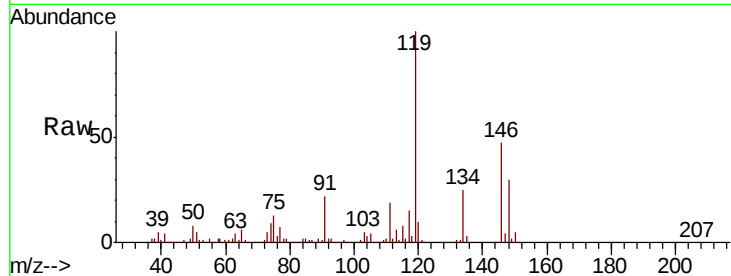




#87
 1,3-Dichlorobenzene
 Concen: 20.246 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

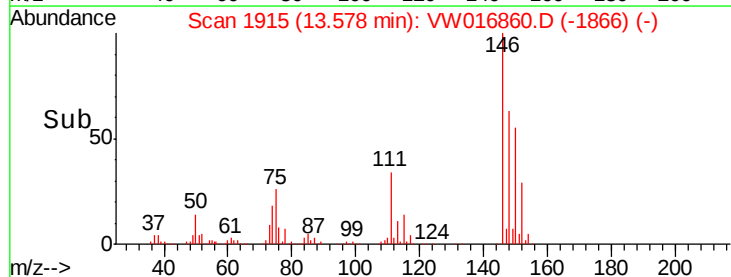
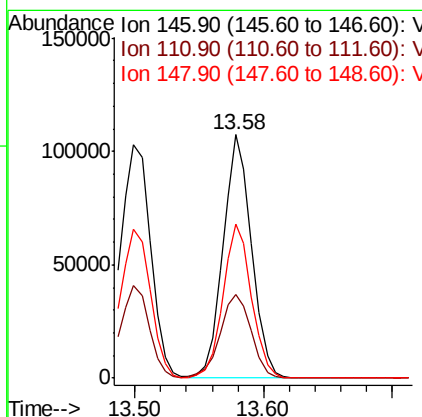
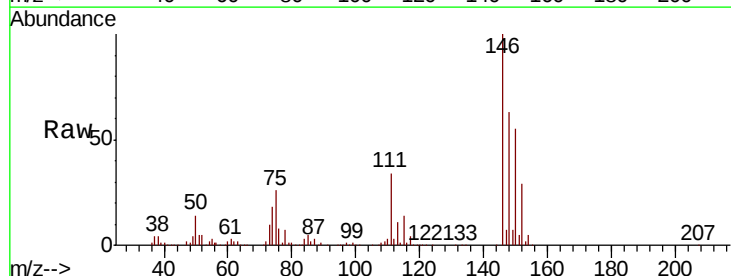
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

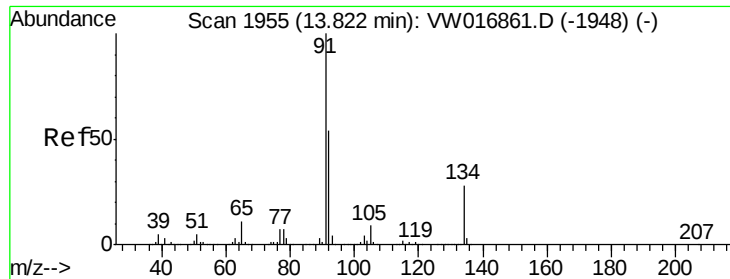
Tot Ion:146 Resp: 166332
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 63.4 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.546 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion:146 Resp: 166340
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.5 55.5
 148 63.1 31.8 95.4





#89

n-Butylbenzene

Concen: 20.063 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

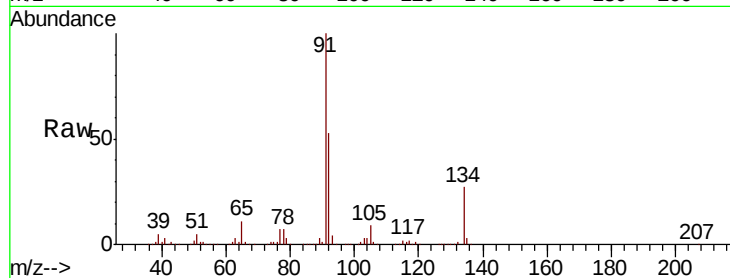
Tot Ion: 91 Resp: 293059

Ion Ratio Lower Upper

91 100

92 54.5 26.6 79.7

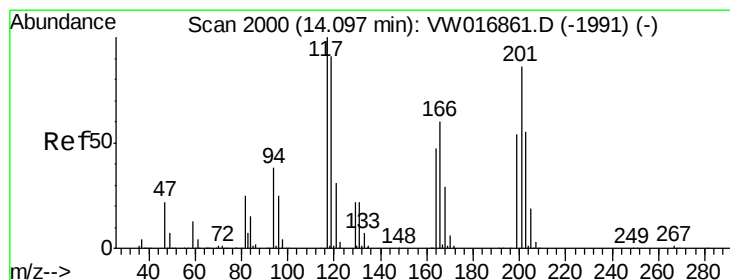
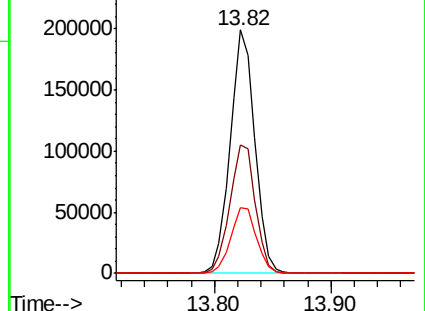
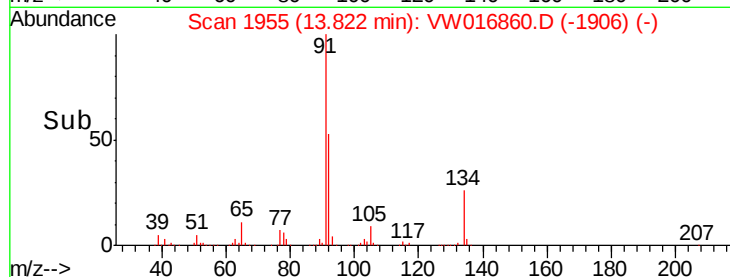
134 28.1 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.476 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016860.D

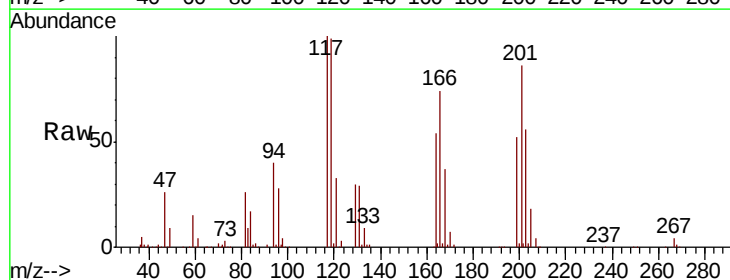
Acq: 09 Oct 2020 14:36

Tgt Ion: 117 Resp: 48725

Ion Ratio Lower Upper

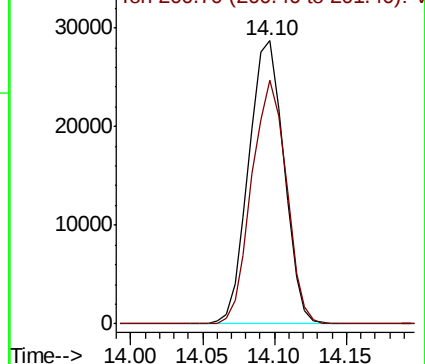
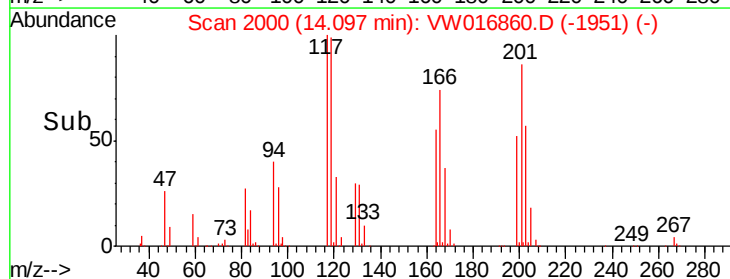
117 100

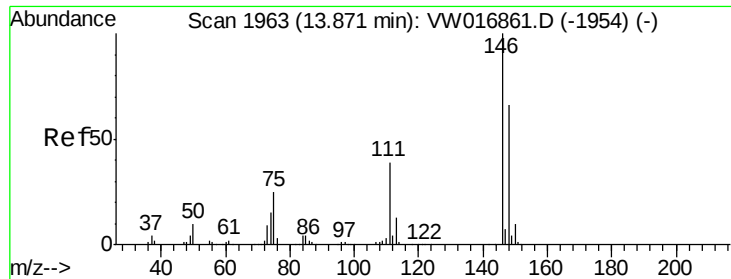
201 84.3 41.9 125.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

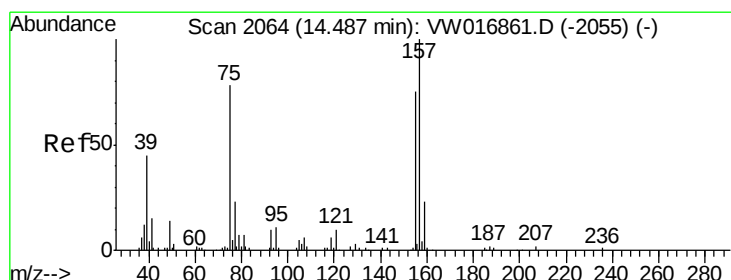
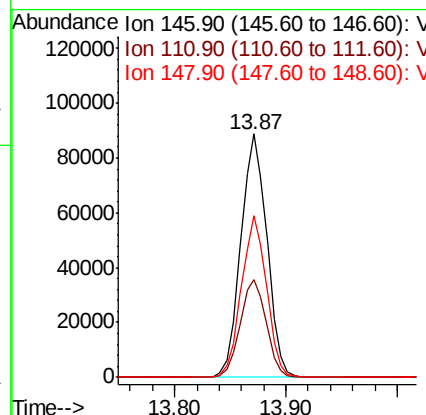
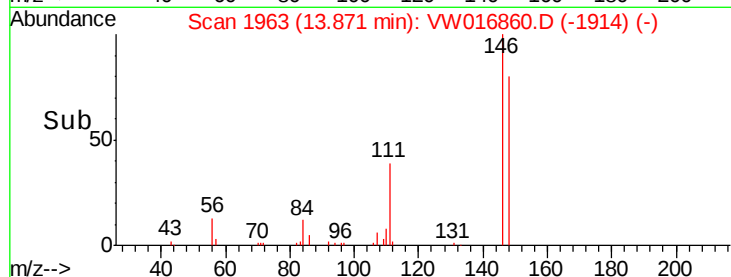
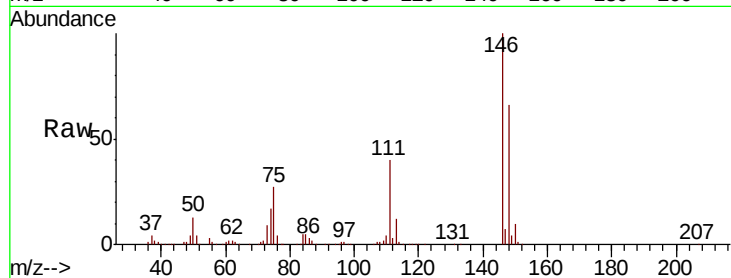




#91
 1,2-Dichlorobenzene
 Concen: 20.221 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

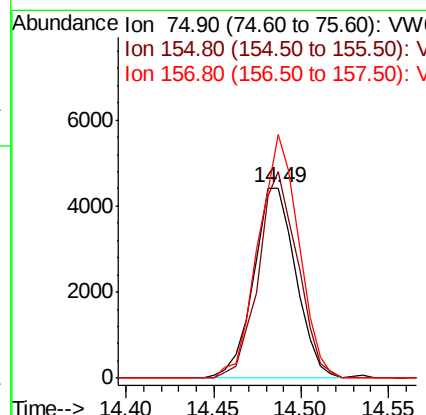
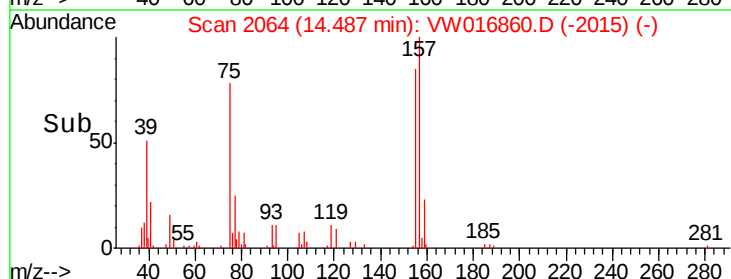
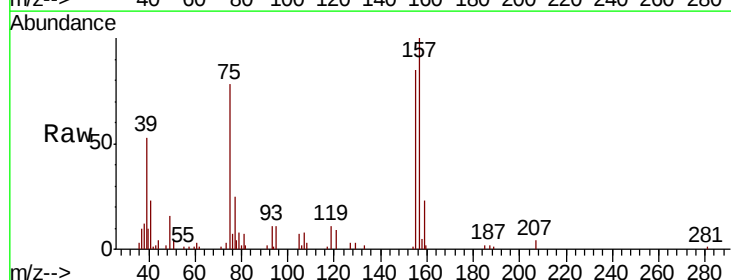
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

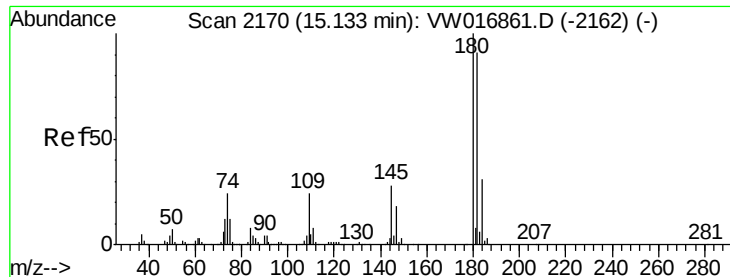
Tot Ion:146 Resp: 143337
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.3
 148 64.0 33.1 99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.937 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 75 Resp: 7407
 Ion Ratio Lower Upper
 75 100
 155 100.6 47.6 142.8
 157 122.4 62.2 186.6

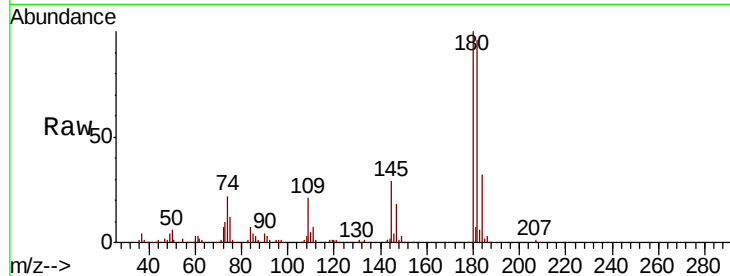




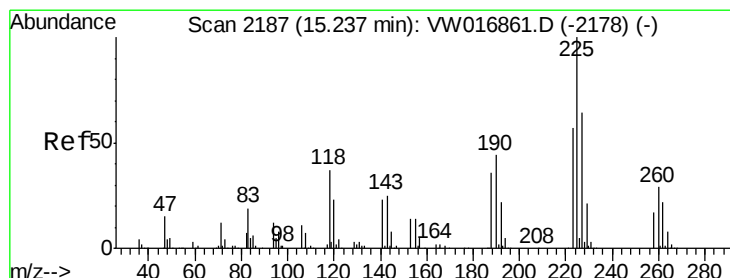
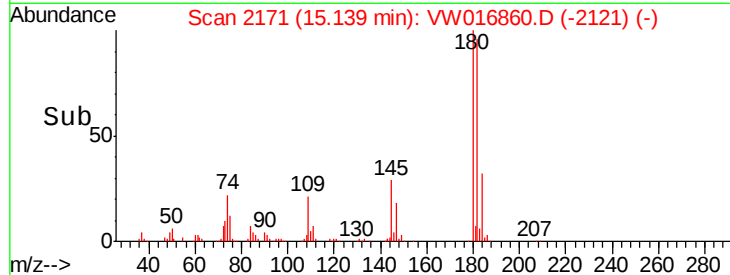
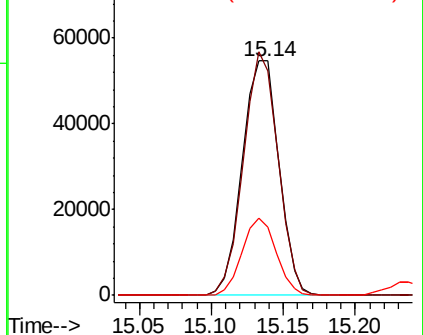
#93
 1,2,4-Trichlorobenzene
 Concen: 19.752 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 96604
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.3 144.9
 145 30.7 14.9 44.5

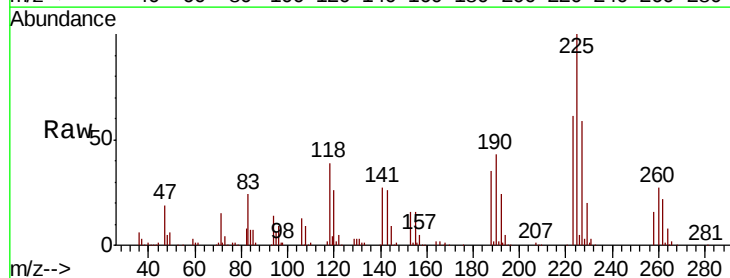


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

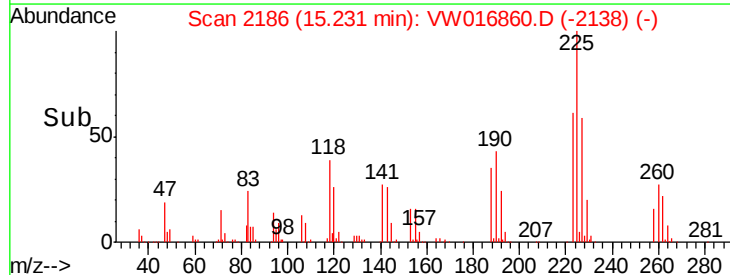
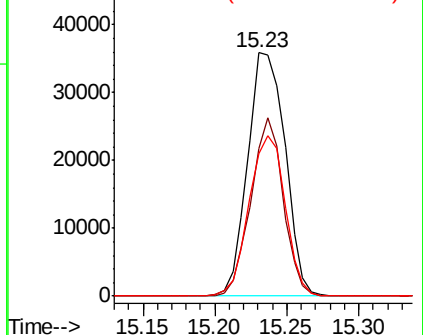


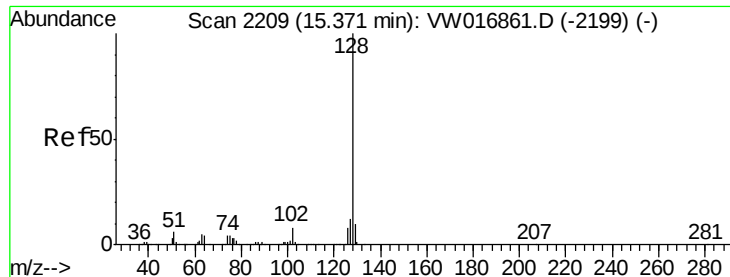
#94
 Hexachlorobutadiene
 Concen: 20.348 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion:225 Resp: 64513
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.9 95.7
 227 63.4 33.0 99.0



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

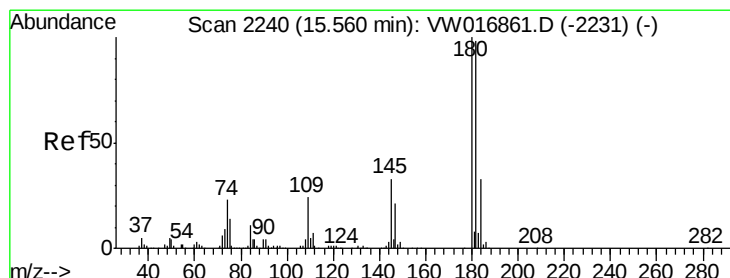
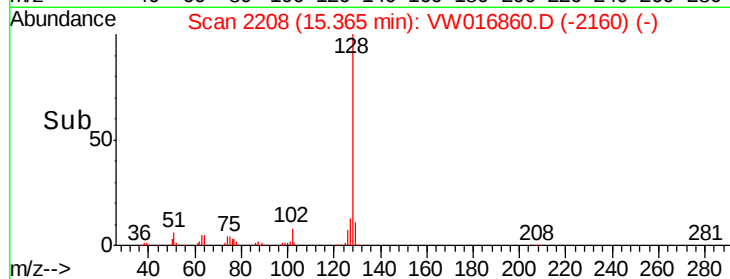
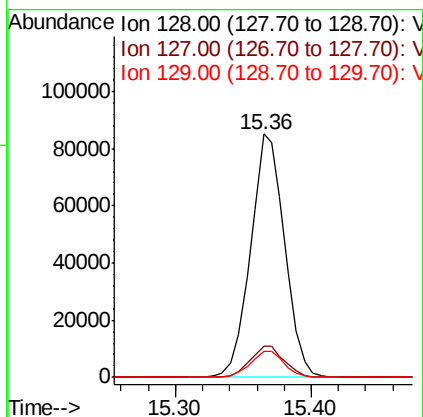
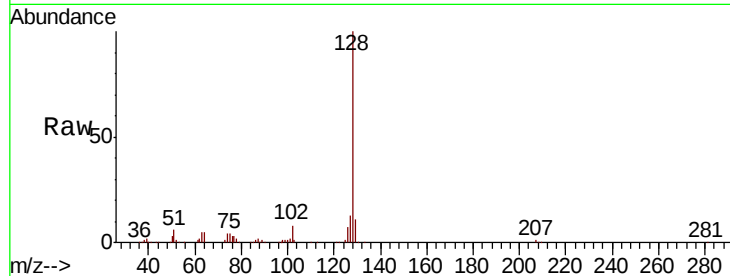




#95
Naphthalene
Concen: 18.779 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 149274
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.513 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:180 Resp: 83025
Ion Ratio Lower Upper
180 100
182 98.6 49.4 148.2
145 30.6 16.3 48.9

