

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015795.D
 Acq On : 07 Jul 2020 17:18
 Operator : SY/VA
 Sample : VW0707SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

Quant Time: Jul 08 08:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	349727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109181	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.89	113	97023	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.32	98	376778	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.62	95	140545	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27343	23.763	ug/l	95
3) Chloromethane	2.21	50	30950	19.806	ug/l	95
4) Vinyl Chloride	2.37	62	52238	21.651	ug/l	97
5) Bromomethane	2.78	94	41151	22.290	ug/l	97
6) Chloroethane	2.92	64	34784	21.362	ug/l	95
7) Trichlorofluoromethane	3.26	101	37802	21.800	ug/l	99
8) Diethyl Ether	3.68	74	21847	20.221	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43739	21.548	ug/l	99
10) Methyl Iodide	4.27	142	59813	21.075	ug/l	100
11) Tert butyl alcohol	5.21	59	12180	100.064	ug/l	96
12) 1,1-Dichloroethene	4.03	96	43409	21.751	ug/l	95
13) Acrolein	3.90	56	16071	102.970	ug/l	97
14) Allyl chloride	4.67	41	68726	21.187	ug/l	99
15) Acrylonitrile	5.37	53	44513	105.374	ug/l	100
16) Acetone	4.13	43	40570	96.373	ug/l	97
17) Carbon Disulfide	4.38	76	125680	21.170	ug/l	99
18) Methyl Acetate	4.68	43	20015	20.892	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	66245	22.178	ug/l	97
20) Methylene Chloride	4.92	84	64780	27.946	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	49418	21.379	ug/l	97
22) Diisopropyl ether	6.32	45	140660	21.519	ug/l	99
23) Vinyl Acetate	6.26	43	412630	106.130	ug/l	99
24) 1,1-Dichloroethane	6.22	63	89415	21.605	ug/l	99
25) 2-Butanone	7.18	43	59230	103.654	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57078	21.984	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	52675	21.222	ug/l	96
28) Bromochloromethane	7.51	49	34512	21.035	ug/l	99
29) Tetrahydrofuran	7.54	42	35683	102.906	ug/l	99
30) Chloroform	7.68	83	90389	21.365	ug/l	98
31) Cyclohexane	7.96	56	82907	21.285	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	75747	21.352	ug/l	99
36) 1,1-Dichloropropene	8.09	75	73291	21.259	ug/l	100
37) Ethyl Acetate	7.26	43	27091	20.224	ug/l	98
38) Carbon Tetrachloride	8.07	117	69222	20.751	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87958	21.622	ug/l	99
40) Benzene	8.33	78	199175	21.091	ug/l	99
41) Methacrylonitrile	7.49	41	14395	18.928	ug/l	93
42) 1,2-Dichloroethane	8.40	62	61250	20.839	ug/l	99
43) Isopropyl Acetate	8.43	43	54778	20.950	ug/l	99
44) Trichloroethene	9.09	130	52744	21.116	ug/l	93
45) 1,2-Dichloropropane	9.37	63	48632	20.951	ug/l	97
46) Dibromomethane	9.46	93	24568	20.558	ug/l	99
47) Bromodichloromethane	9.65	83	63345	20.493	ug/l	99
48) Methyl methacrylate	9.44	41	24496	20.442	ug/l	98
49) 1,4-Dioxane	9.46	88	5780	391.210	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	129721	101.668	ug/l	100
52) Toluene	10.39	92	127480	20.977	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60624	20.441	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	73311	20.664	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33749	20.366	ug/l	94
56) Ethyl methacrylate	10.65	69	41233	20.239	ug/l	95
57) 1,3-Dichloropropane	10.93	76	61826	21.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	100133	100.591	ug/l	100
59) 2-Hexanone	10.97	43	87485	102.743	ug/l	99
60) Dibromochloromethane	11.13	129	39206	20.486	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32819	20.698	ug/l	97
64) Tetrachloroethene	10.87	164	42507	21.110	ug/l	96
65) Chlorobenzene	11.66	112	132833	21.347	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46113	20.941	ug/l	98
67) Ethyl Benzene	11.73	91	245804	21.331	ug/l	94
68) m/p-Xylenes	11.84	106	188871	43.632	ug/l	99
69) o-Xylene	12.17	106	84742	21.447	ug/l	100
70) Styrene	12.18	104	147086	21.634	ug/l	99
71) Bromoform	12.35	173	19858	19.757	ug/l #	97
73) Isopropylbenzene	12.47	105	237669	21.176	ug/l	100
74) N-amyl acetate	12.27	43	49150	20.469	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	38788	20.799	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49722	35.511	ug/l	31
77) Bromobenzene	12.75	156	52648	20.920	ug/l	96
78) n-propylbenzene	12.80	91	290825	21.348	ug/l	100
79) 2-Chlorotoluene	12.90	91	166690	21.456	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	206319	21.568	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	10483	19.433	ug/l	92
82) 4-Chlorotoluene	12.99	91	171472	21.136	ug/l	99
83) tert-Butylbenzene	13.21	119	168924	21.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	205583	21.520	ug/l	100
85) sec-Butylbenzene	13.38	105	246820	21.520	ug/l	100
86) p-Isopropyltoluene	13.50	119	224607	21.446	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107595	21.328	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105298	21.321	ug/l	99
89) n-Butylbenzene	13.83	91	217842	21.735	ug/l	98
90) Hexachloroethane	14.10	117	39357	20.733	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91220	20.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6152	20.646	ug/l	97

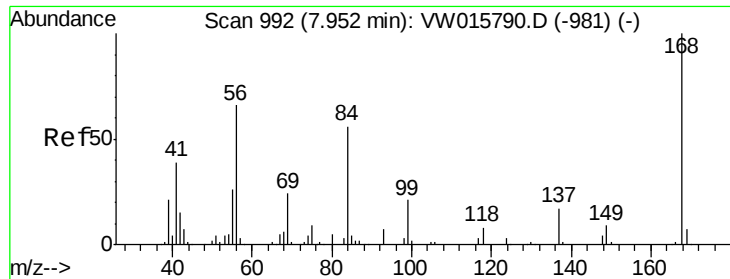
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
Data File : VW015795.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56864	20.637	ug/l	99
94) Hexachlorobutadiene	15.24	225	35645	20.375	ug/l	97
95) Naphthalene	15.37	128	92146	19.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48696	20.769	ug/l	98

(#) = 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: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

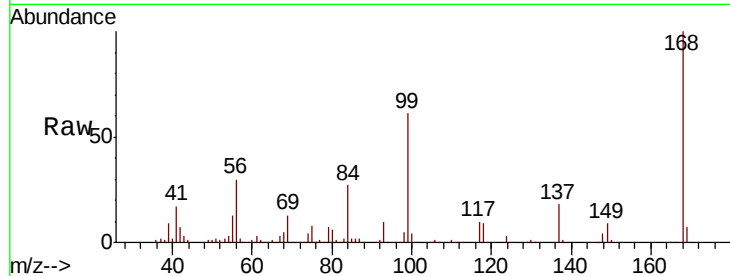
VW0707SBS01

Tot Ion:168 Resp: 218485

Ion Ratio Lower Upper

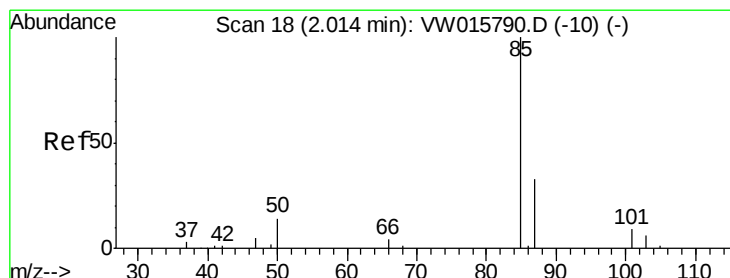
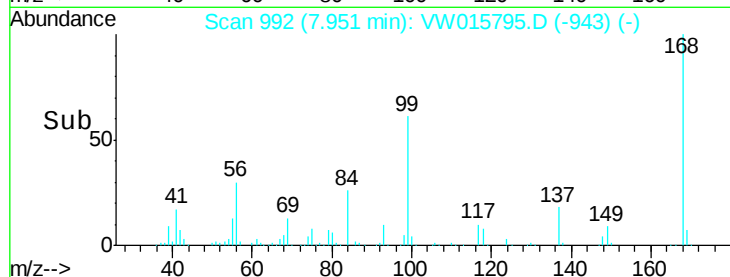
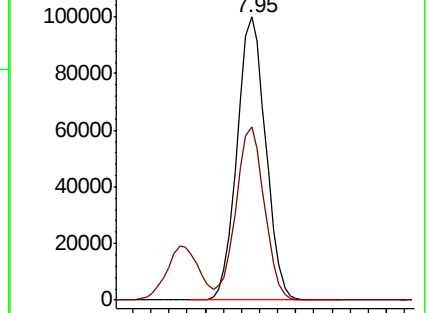
168 100

99 61.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.763 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015795.D

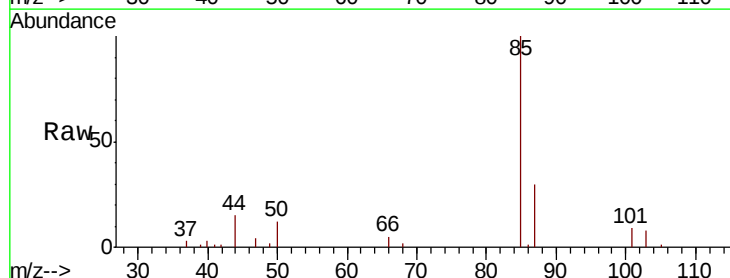
Acq: 07 Jul 2020 17:18

Tgt Ion: 85 Resp: 27343

Ion Ratio Lower Upper

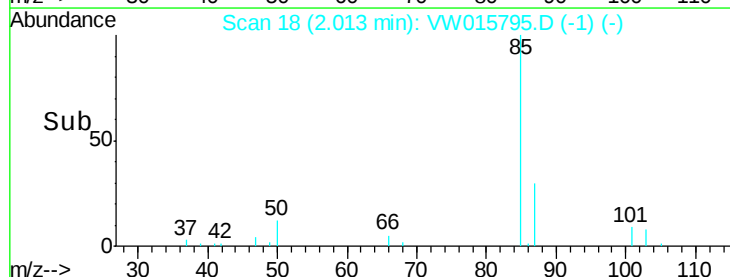
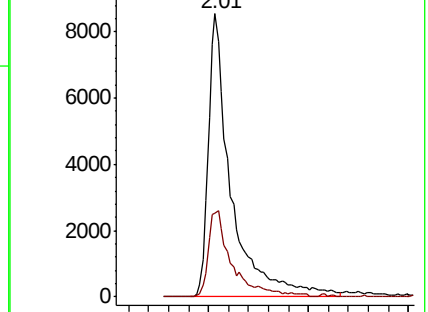
85 100

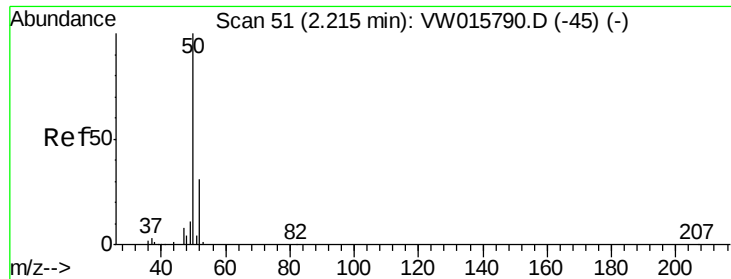
87 29.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.806 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

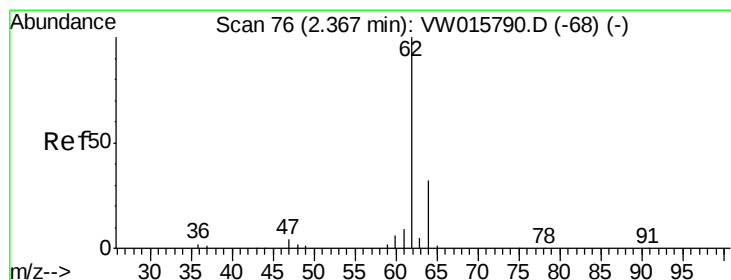
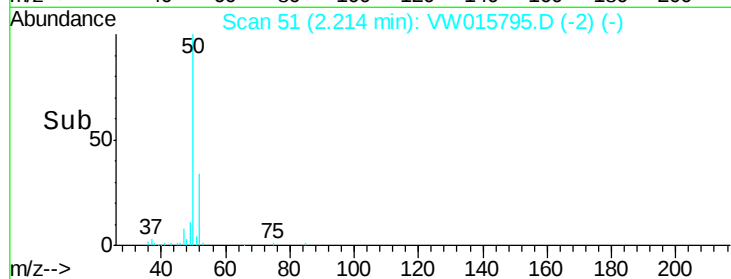
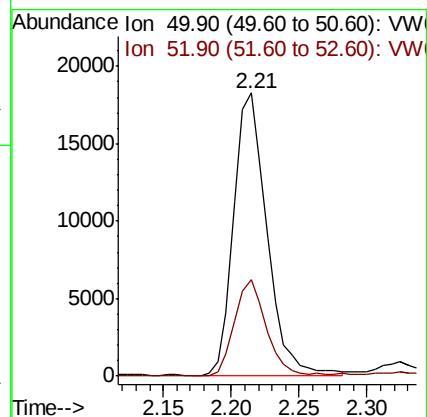
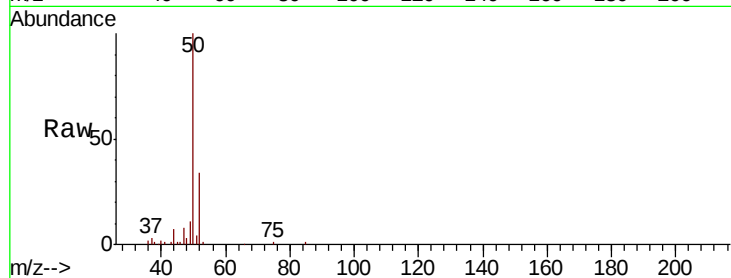
VW0707SBS01

Tot Ion: 50 Resp: 30950

Ion Ratio Lower Upper

50 100

52 34.2 25.2 37.8



#4

Vinyl Chloride

Concen: 21.651 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015795.D

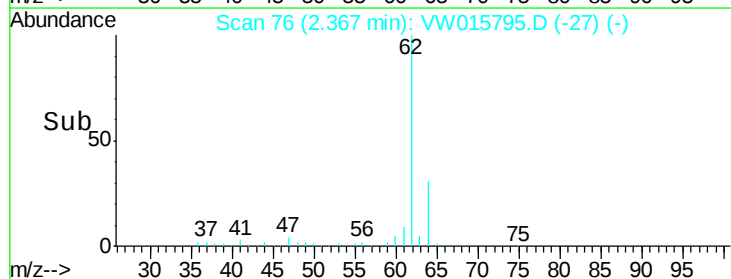
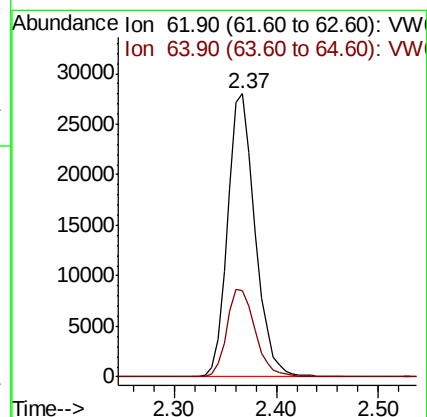
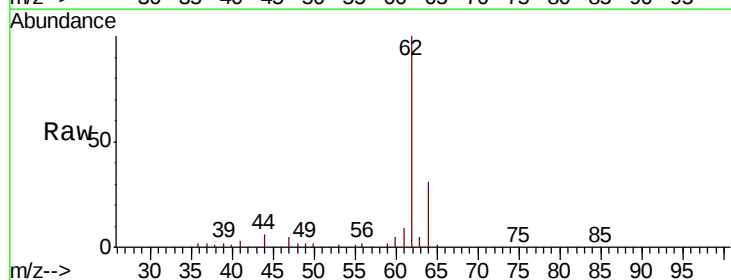
Acq: 07 Jul 2020 17:18

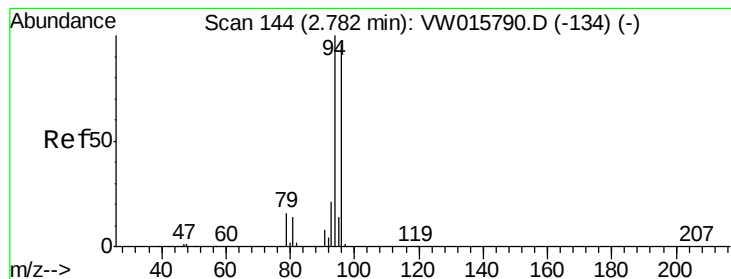
Tgt Ion: 62 Resp: 52238

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8





#5

Bromomethane

Concen: 22.290 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

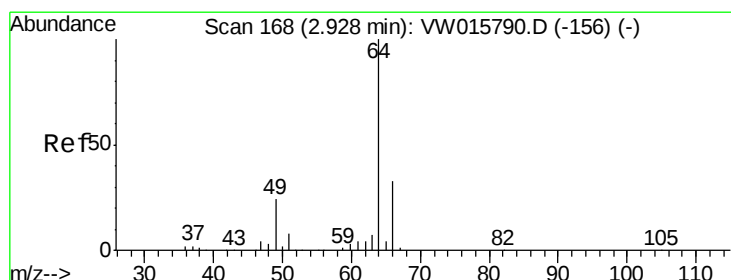
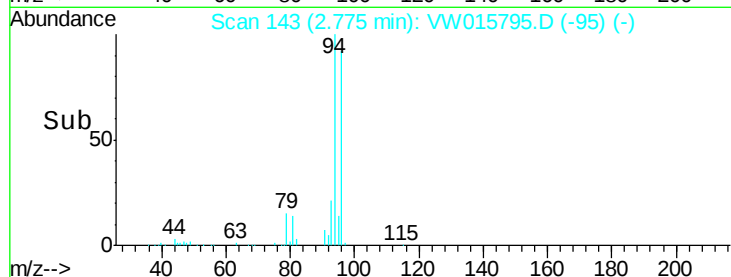
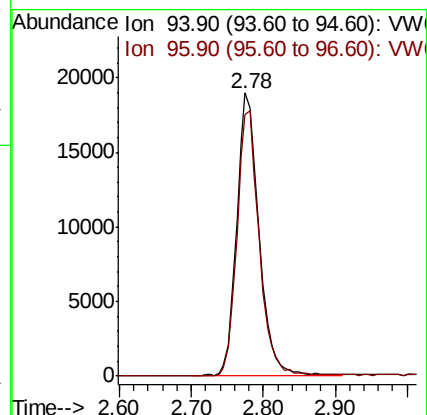
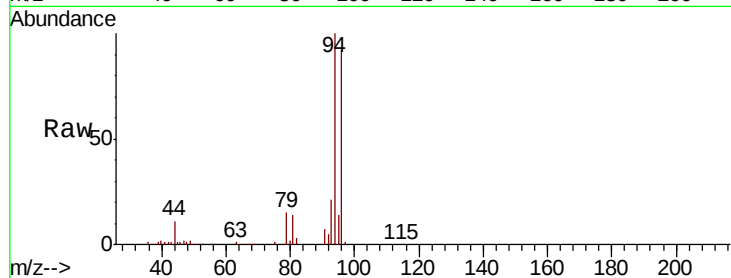
VW0707SBS01

Tot Ion: 94 Resp: 41151

Ion Ratio Lower Upper

94 100

96 92.5 76.7 115.1



#6

Chloroethane

Concen: 21.362 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015795.D

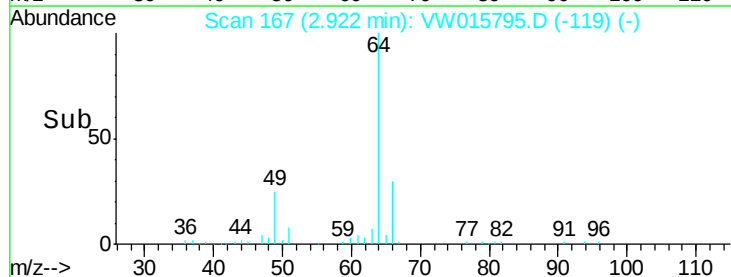
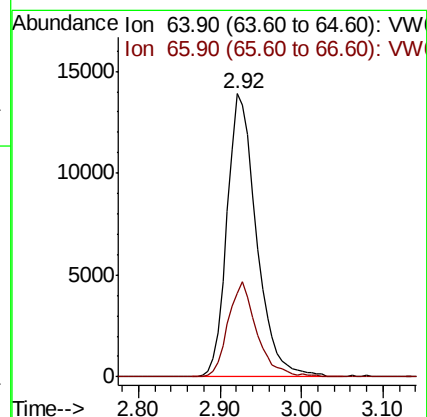
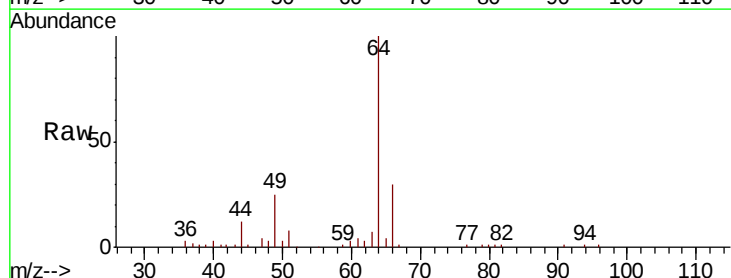
Acq: 07 Jul 2020 17:18

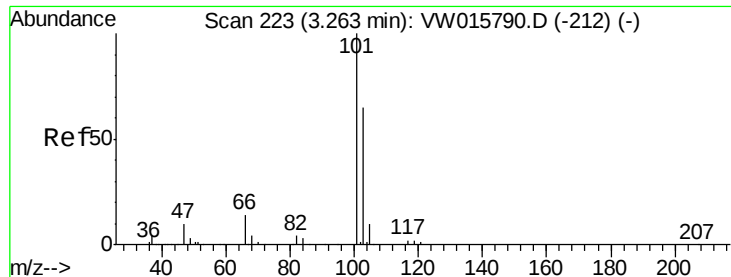
Tgt Ion: 64 Resp: 34784

Ion Ratio Lower Upper

64 100

66 29.5 26.0 39.0



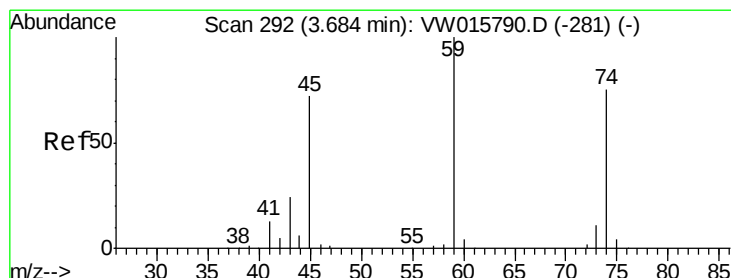
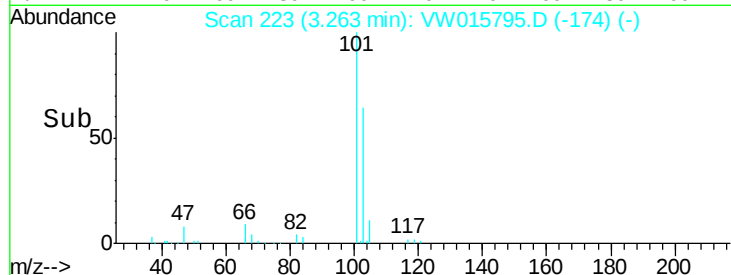
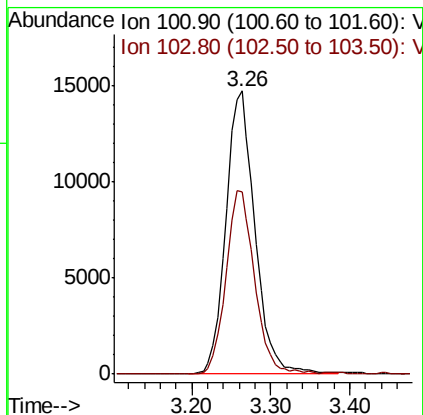
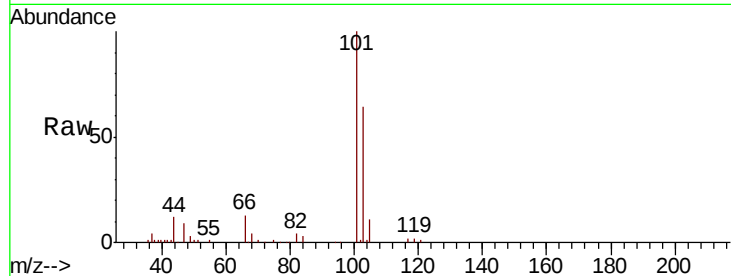


#7

Trichlorofluoromethane
Concen: 21.800 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

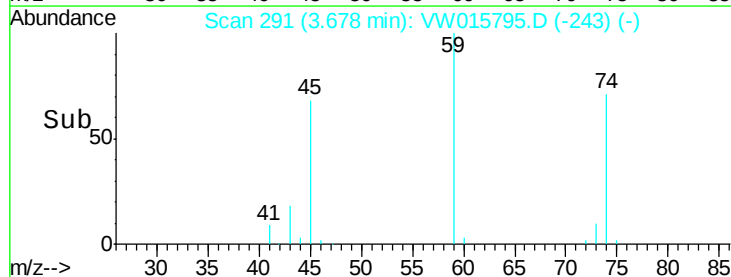
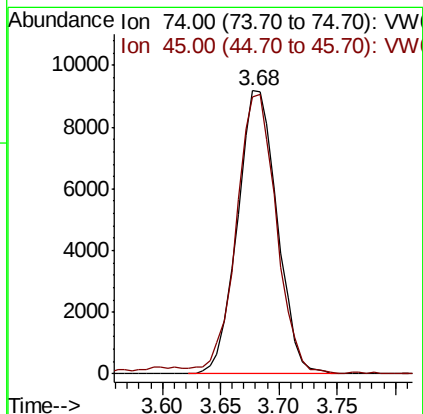
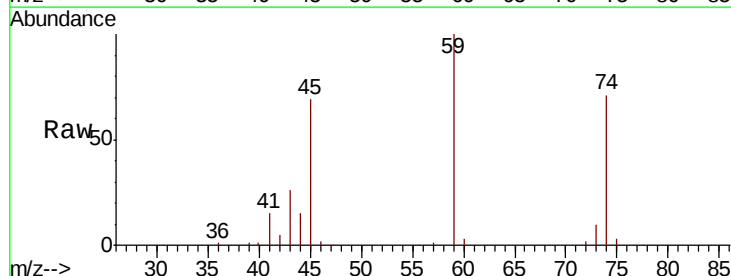
Tot Ion:101 Resp: 37802
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4

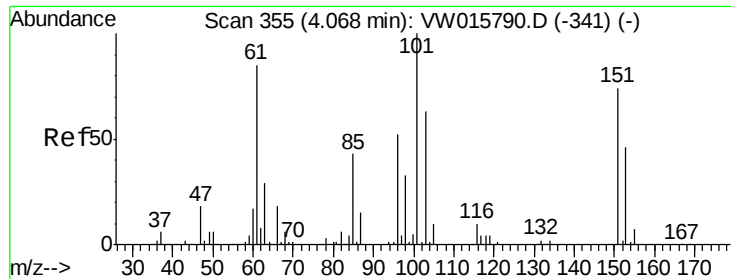


#8

Diethyl Ether
Concen: 20.221 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 74 Resp: 21847
Ion Ratio Lower Upper
74 100
45 99.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.548 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampled :

VW0707SBS01

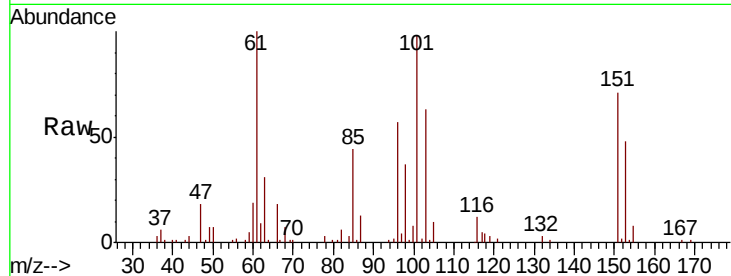
Tot Ion:101 Resp: 43739

Ion Ratio Lower Upper

101 100

85 45.3 36.1 54.1

151 76.7 60.3 90.5

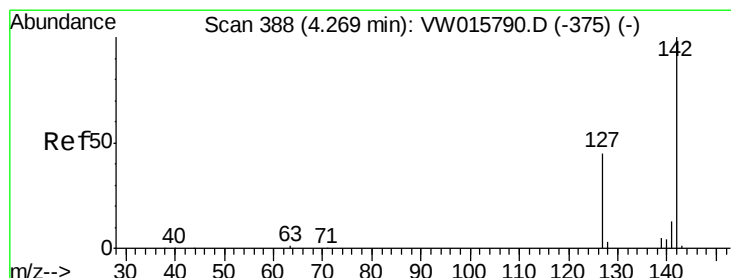
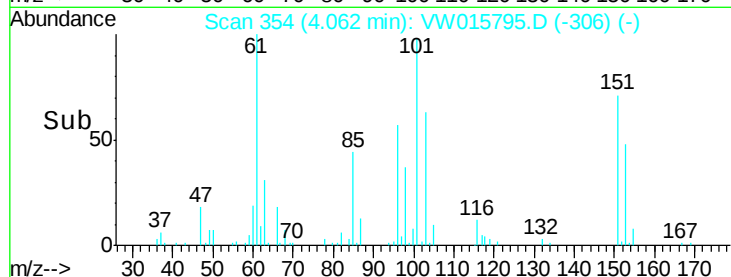
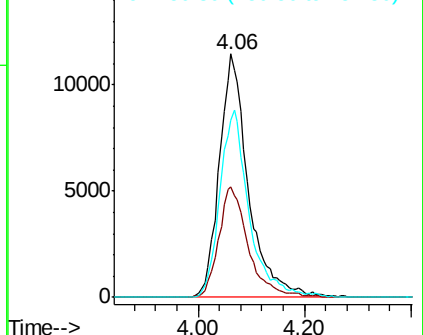


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.075 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

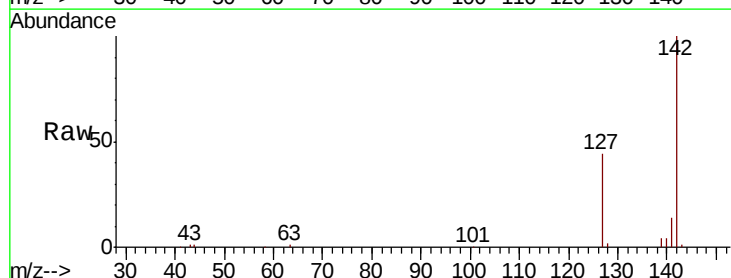
Tgt Ion:142 Resp: 59813

Ion Ratio Lower Upper

142 100

127 45.1 36.1 54.1

141 14.6 11.7 17.5

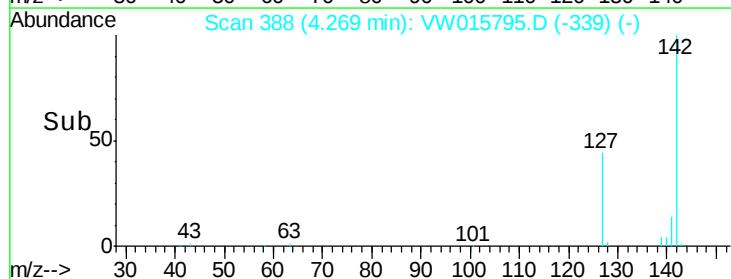
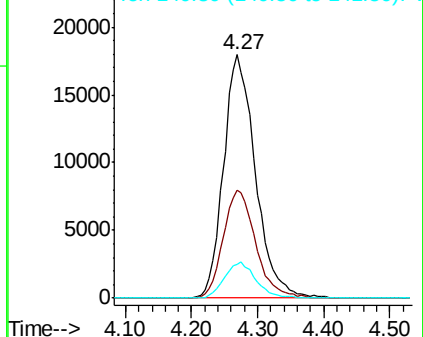


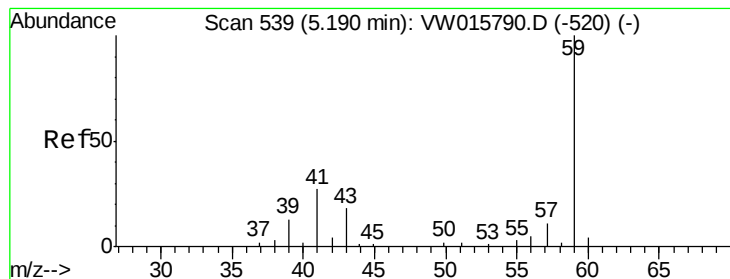
Abundance

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



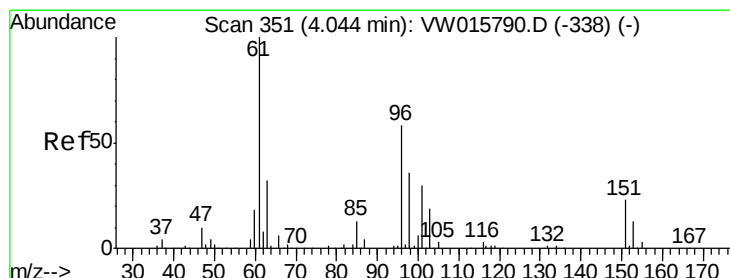
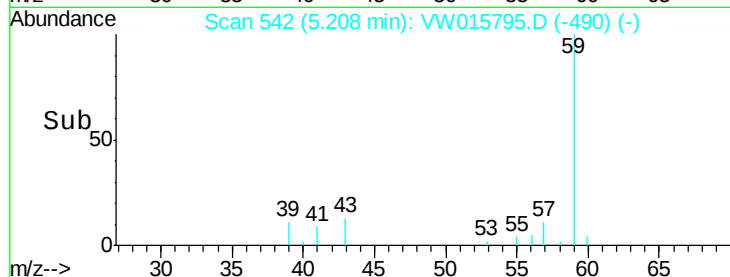
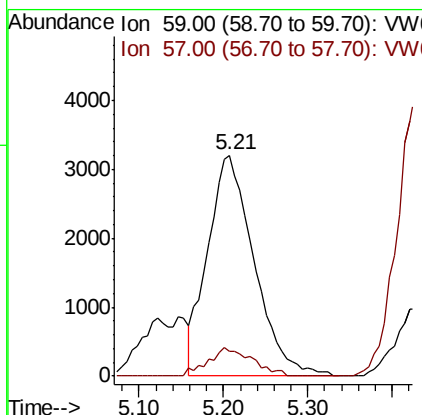
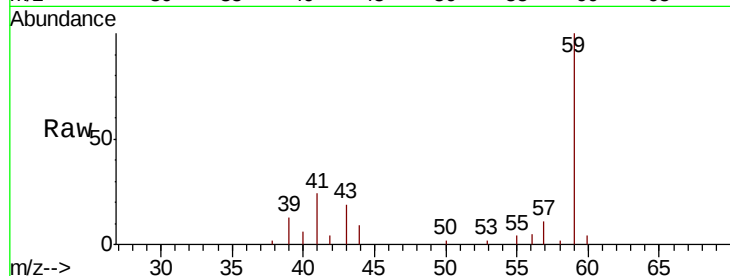


#11

Tert butyl alcohol
 Concen: 100.064 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.02 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

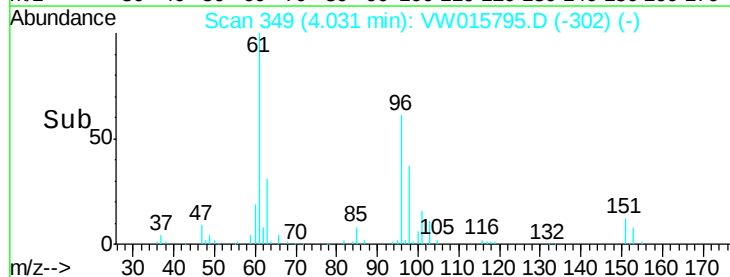
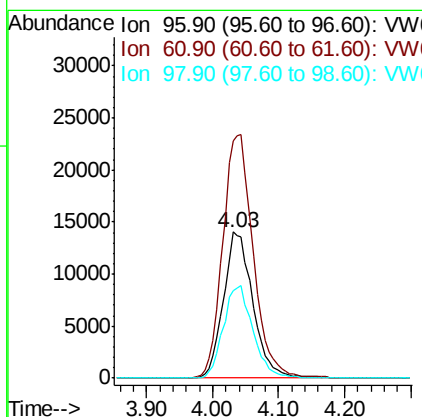
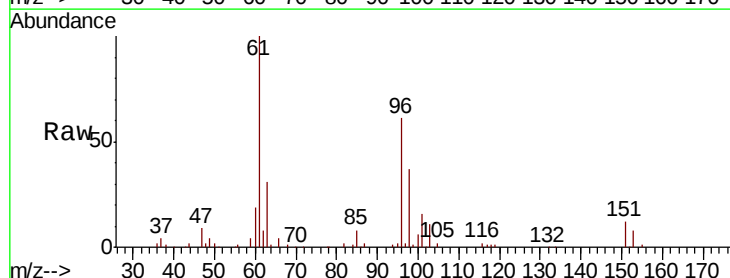
Tot Ion: 59 Resp: 12180
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.7 13.1

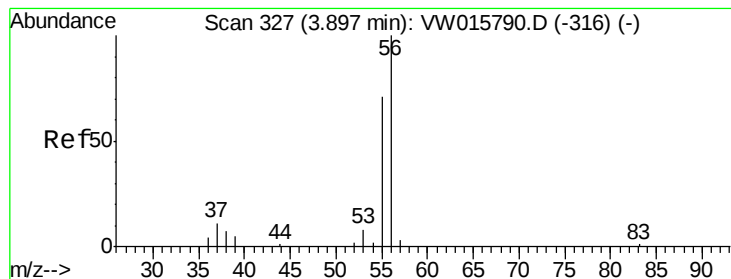


#12

1,1-Dichloroethene
 Concen: 21.751 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 96 Resp: 43409
 Ion Ratio Lower Upper
 96 100
 61 162.6 137.0 205.4
 98 59.6 49.3 73.9





#13

Acrolein

Concen: 102.970 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

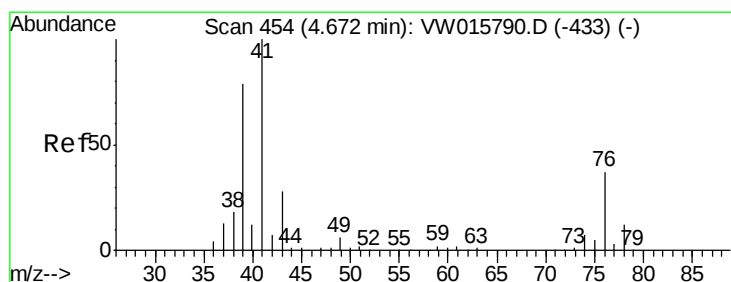
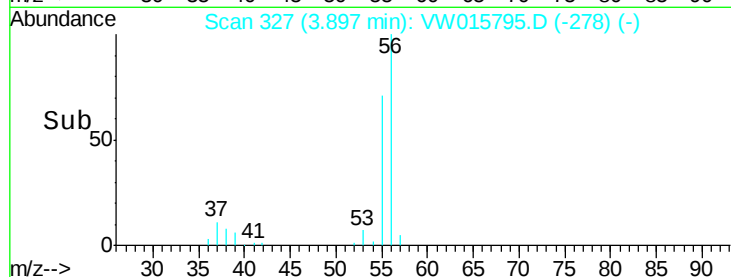
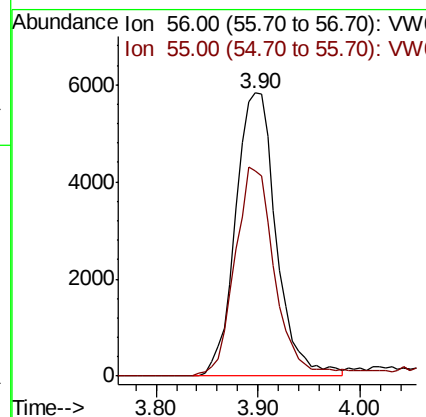
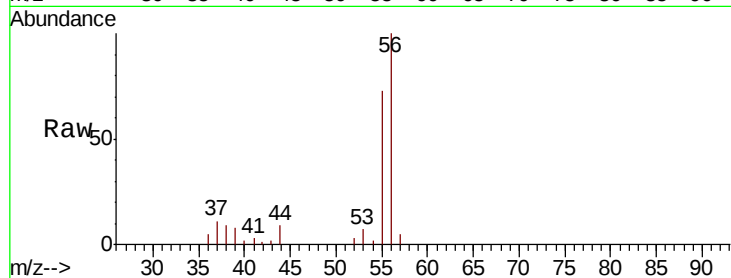
VW0707SBS01

Tot Ion: 56 Resp: 16071

Ion Ratio Lower Upper

56 100

55 72.1 55.8 83.6



#14

Allyl chloride

Concen: 21.187 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

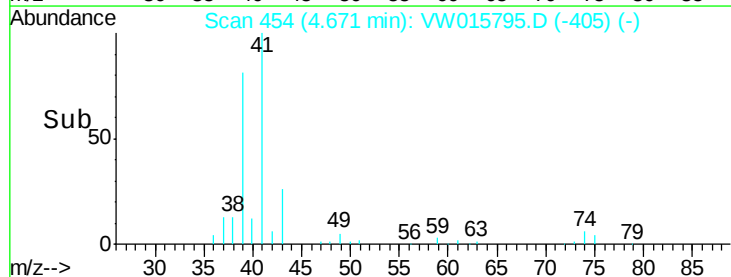
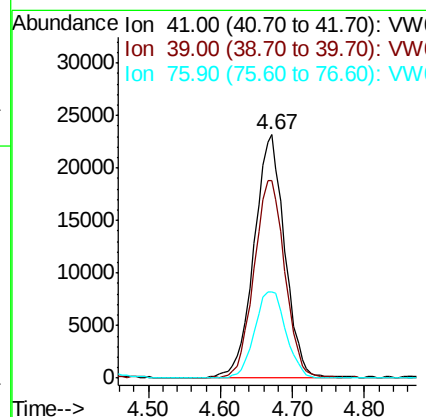
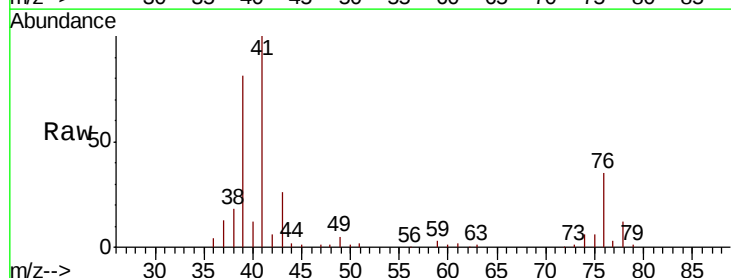
Tgt Ion: 41 Resp: 68726

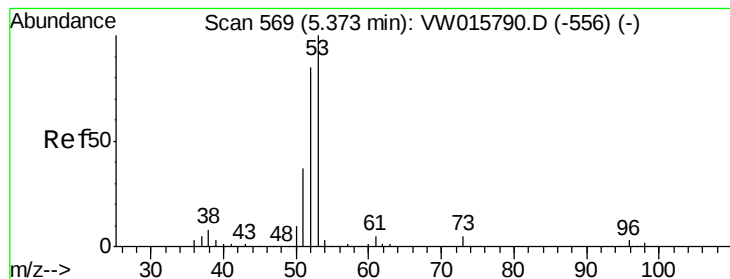
Ion Ratio Lower Upper

41 100

39 81.6 64.0 96.0

76 36.2 28.9 43.3





#15

Acrylonitrile

Concen: 105.374 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

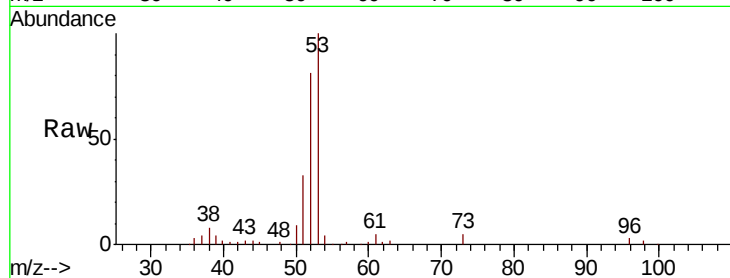
Tot Ion: 53 Resp: 44513

Ion Ratio Lower Upper

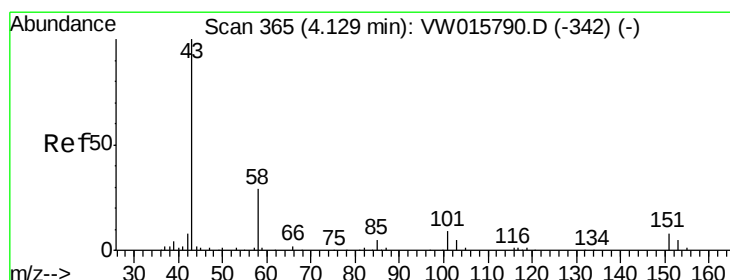
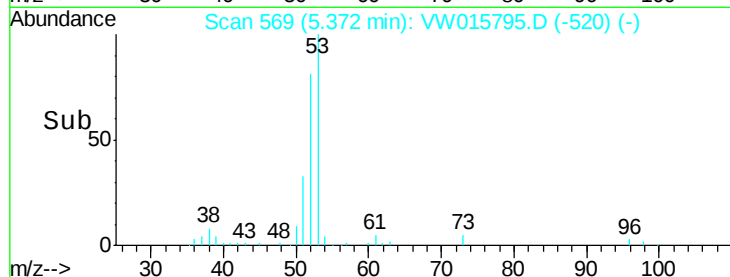
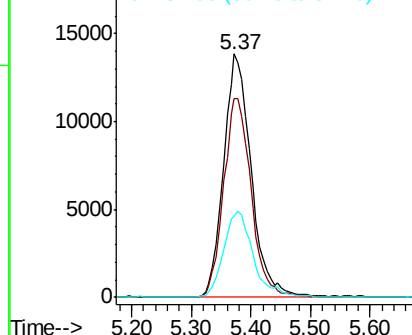
53 100

52 81.8 65.8 98.8

51 37.5 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 96.373 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015795.D

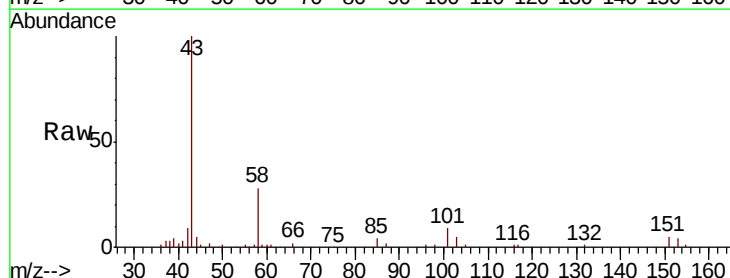
Acq: 07 Jul 2020 17:18

Tgt Ion: 43 Resp: 40570

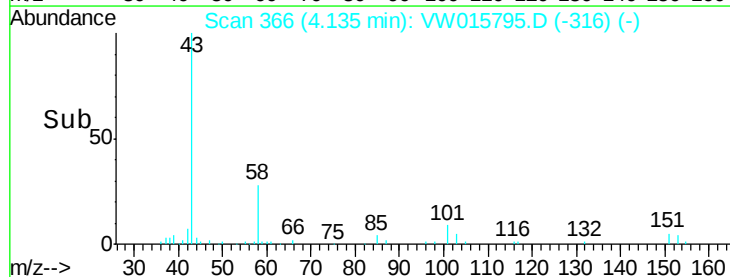
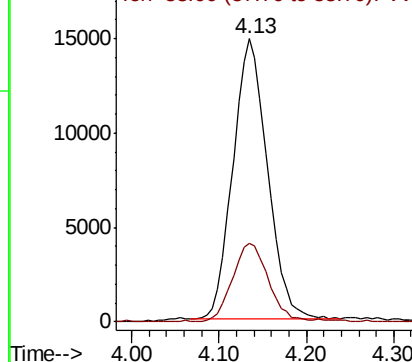
Ion Ratio Lower Upper

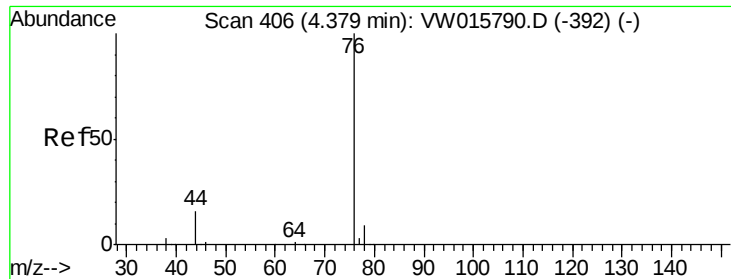
43 100

58 27.9 23.5 35.3



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

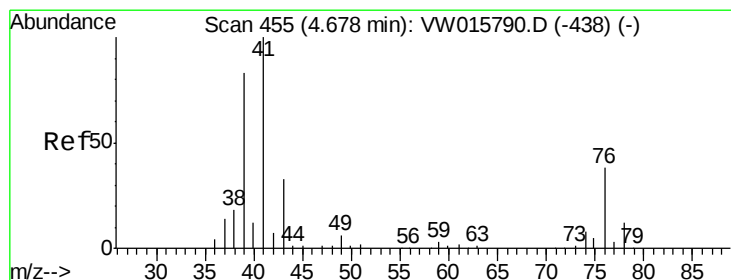
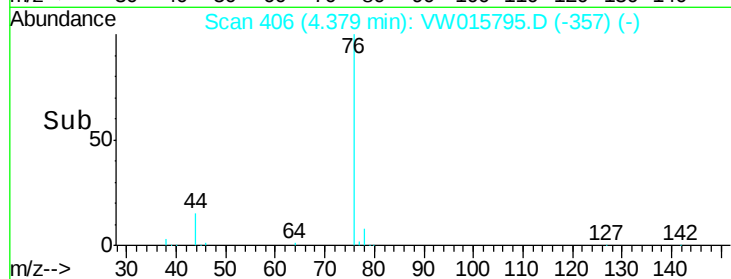
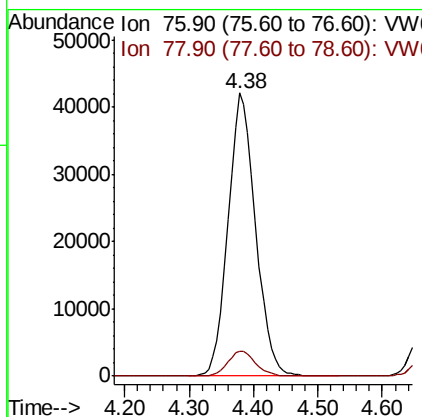
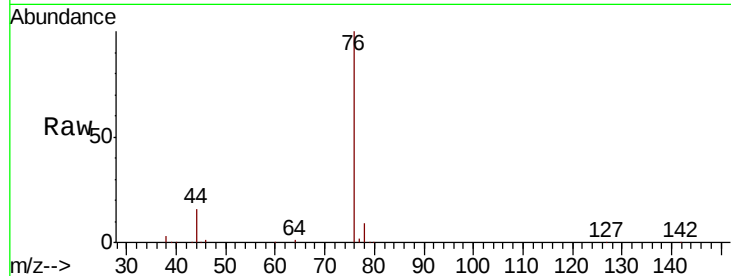




#17
Carbon Disulfide
Concen: 21.170 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

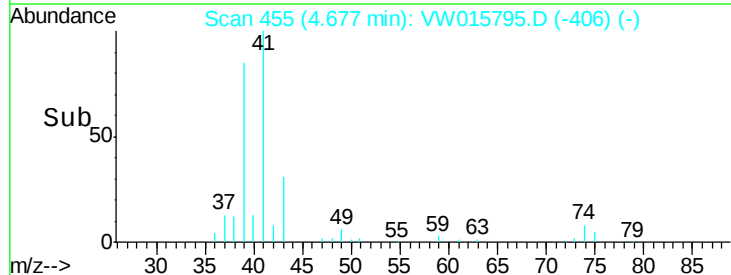
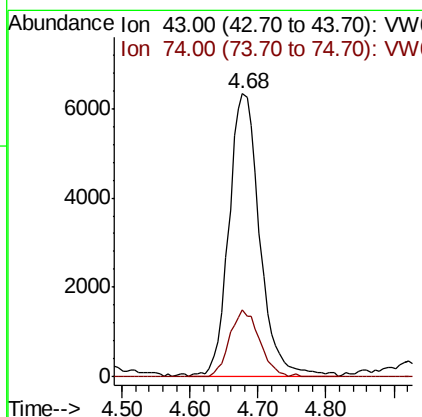
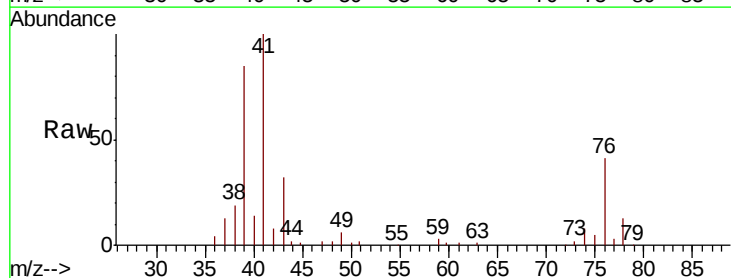
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

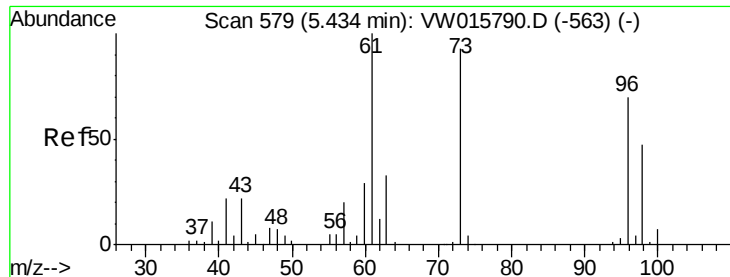
Tot Ion: 76 Resp: 125680
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 20.892 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 43 Resp: 20015
Ion Ratio Lower Upper
43 100
74 22.5 19.2 28.8

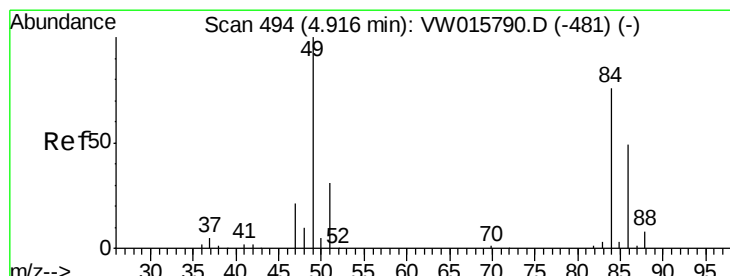
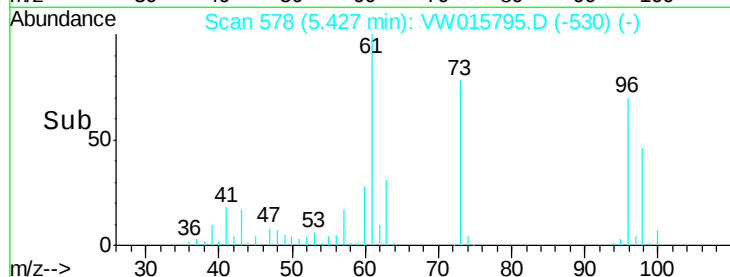
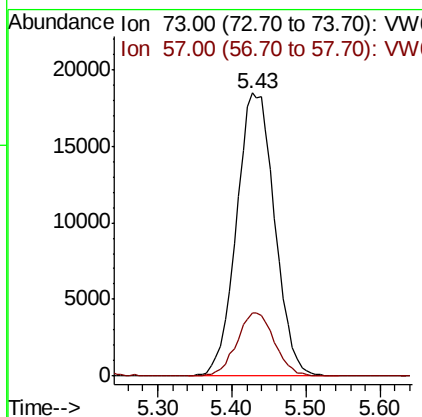
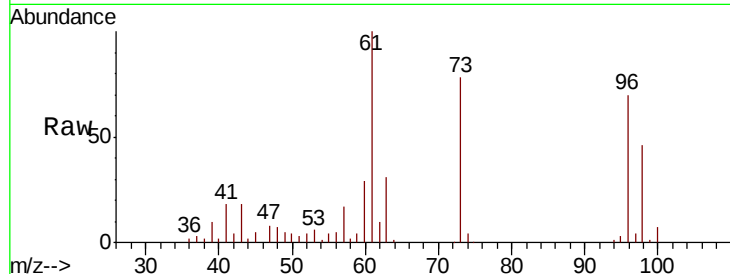




#19
Methyl tert-butyl Ether
Concen: 22.178 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

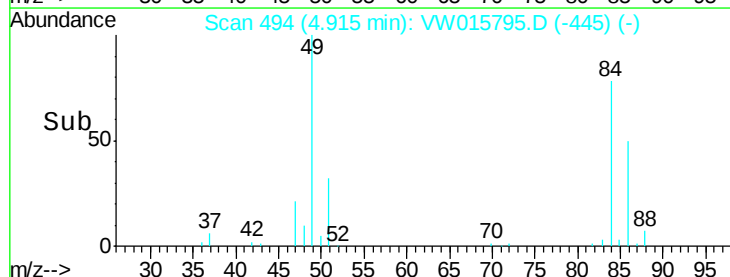
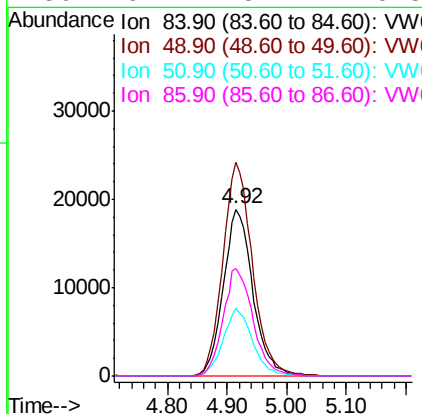
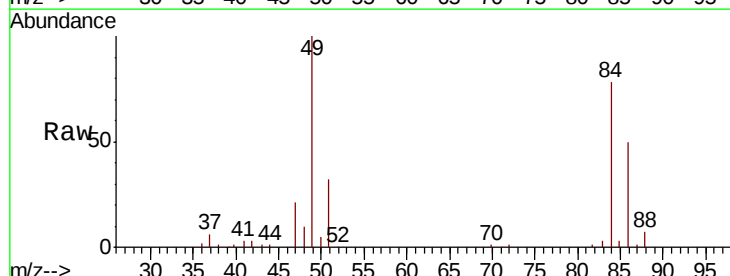
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

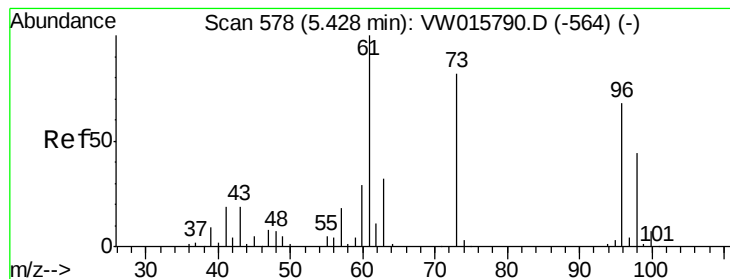
Tot Ion: 73 Resp: 66245
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 27.946 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 84 Resp: 64780
Ion Ratio Lower Upper
84 100
49 128.2 105.0 157.6
51 40.6 32.3 48.5
86 64.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 21.379 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

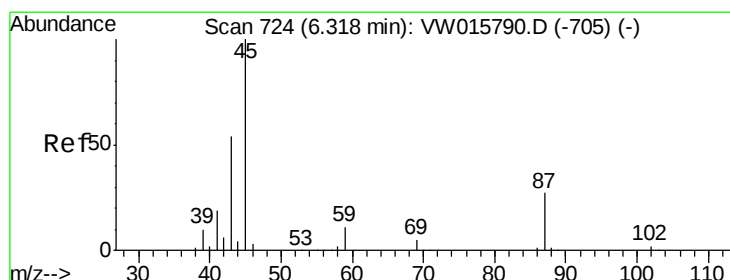
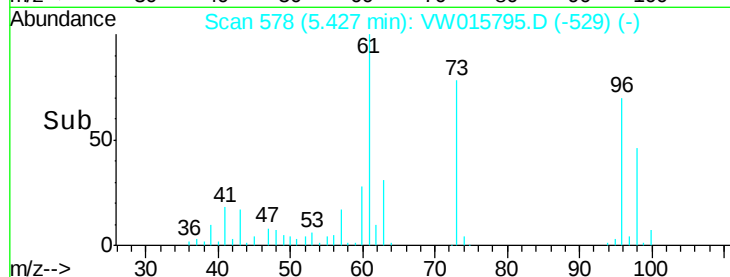
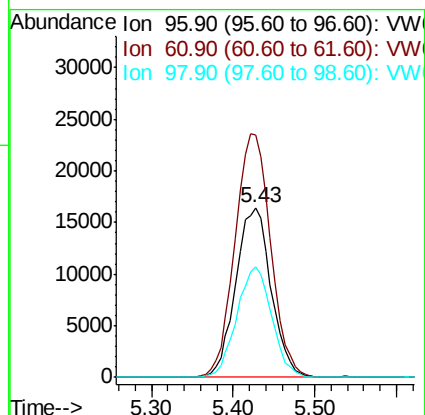
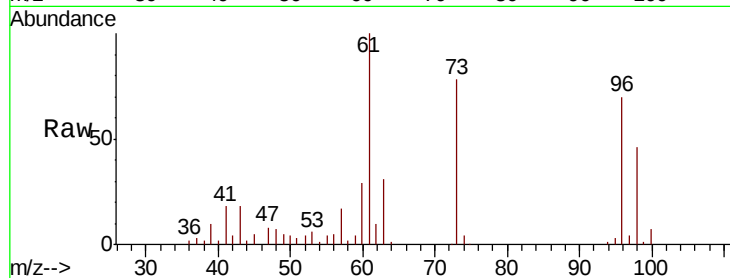
Tot Ion: 96 Resp: 49418

Ion Ratio Lower Upper

96 100

61 143.0 118.1 177.1

98 65.1 52.6 78.8



#22

Diisopropyl ether

Concen: 21.519 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Tgt Ion: 45 Resp: 140660

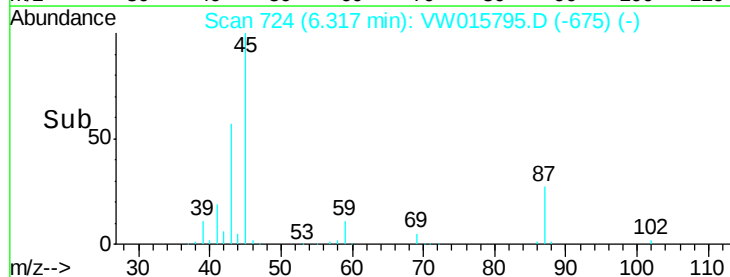
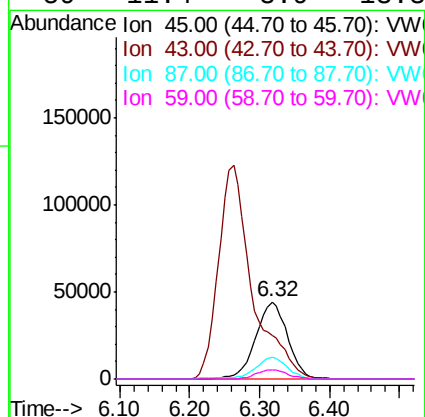
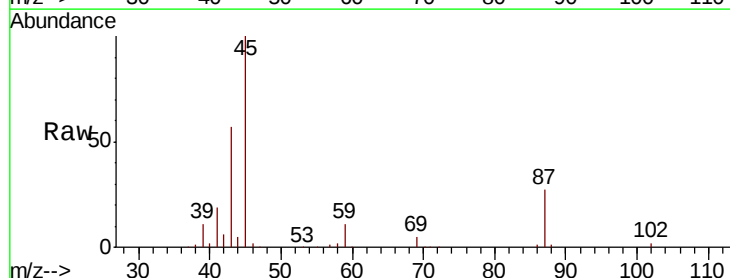
Ion Ratio Lower Upper

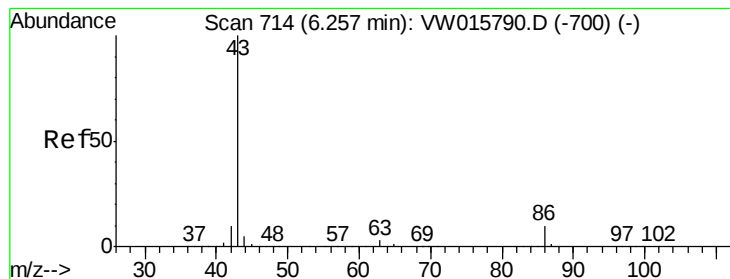
45 100

43 56.2 43.8 65.6

87 27.4 22.1 33.1

59 11.4 8.9 13.3





#23

Vinyl Acetate

Concen: 106.130 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampled :

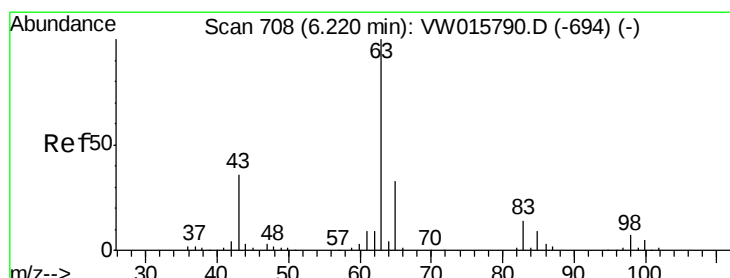
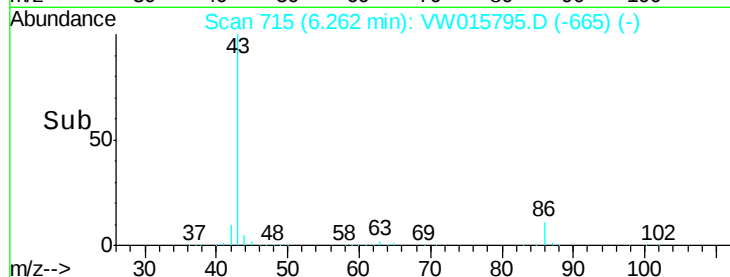
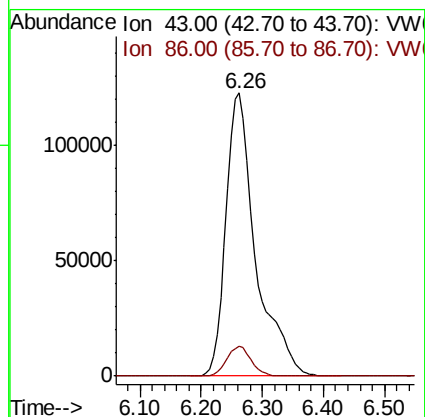
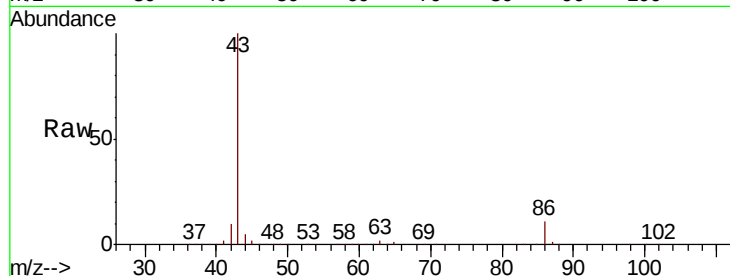
VW0707SBS01

Tot Ion: 43 Resp: 412630

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.4



#24

1,1-Dichloroethane

Concen: 21.605 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

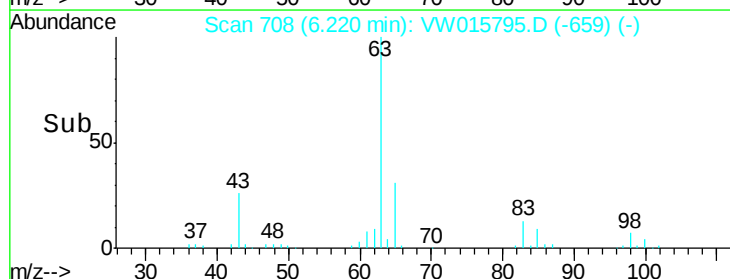
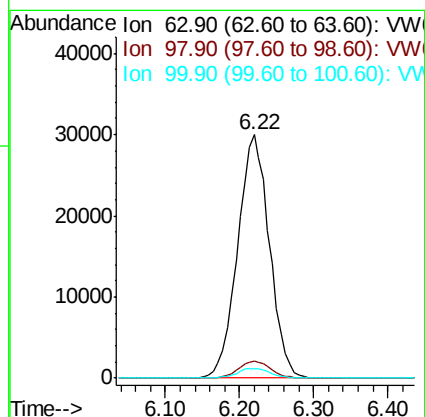
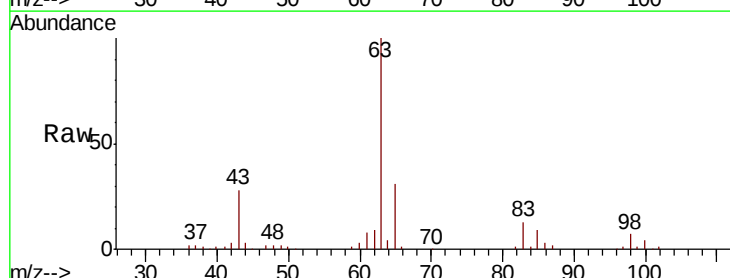
Tgt Ion: 63 Resp: 89415

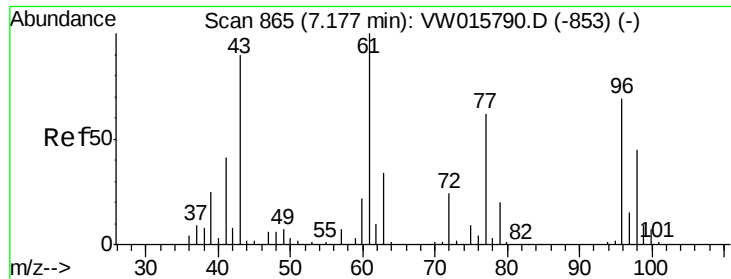
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 3.9 2.4 7.1

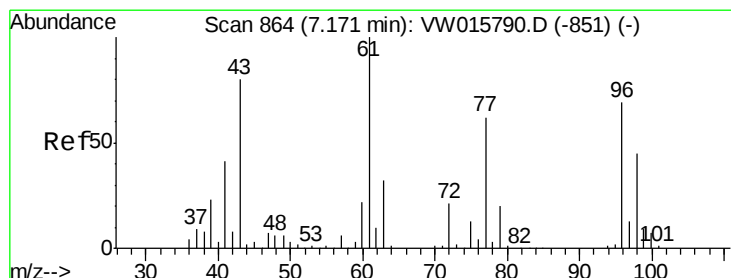
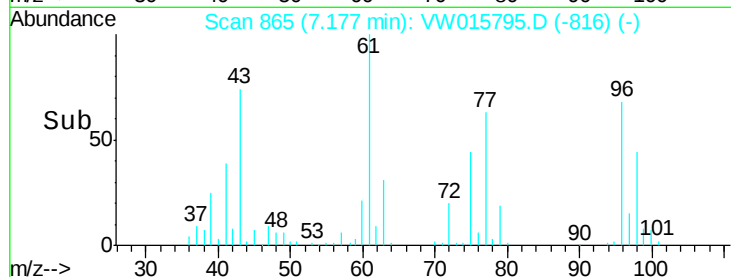
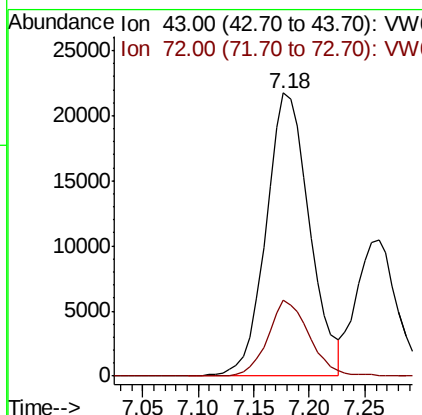
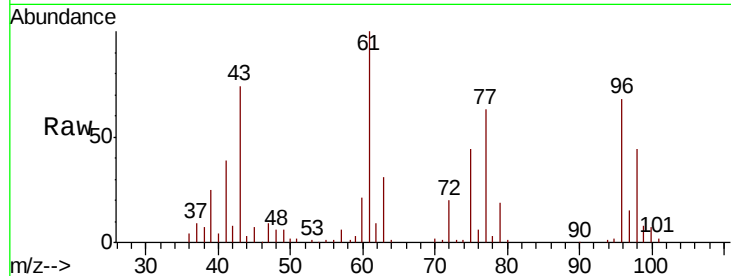




#25
2-Butanone
Concen: 103.654 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

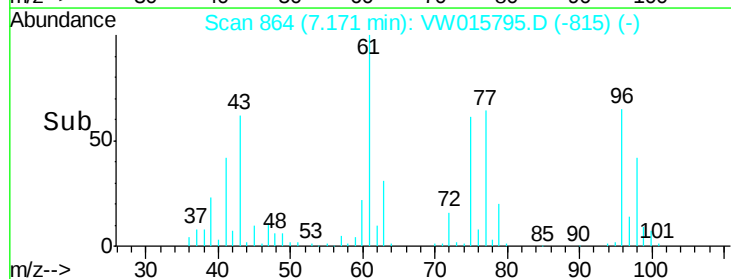
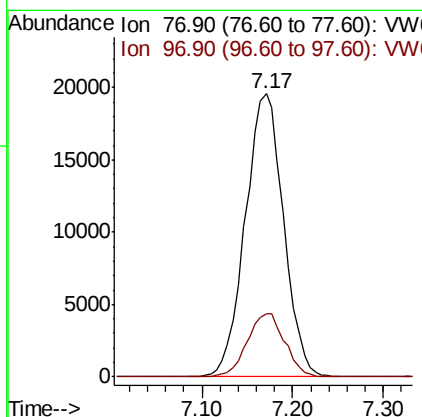
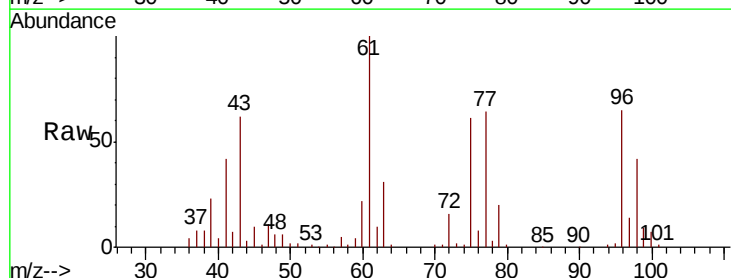
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

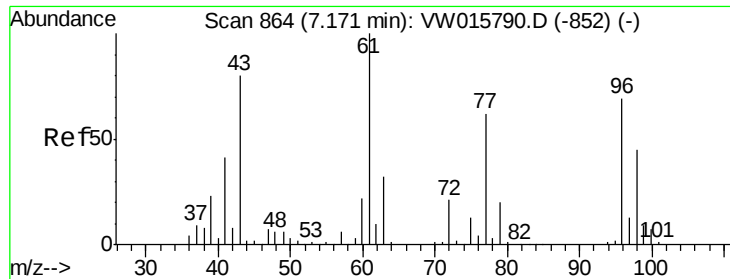
Tot Ion: 43 Resp: 59230
Ion Ratio Lower Upper
43 100
72 26.7 21.3 31.9



#26
2,2-Dichloropropane
Concen: 21.984 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 77 Resp: 57078
Ion Ratio Lower Upper
77 100
97 22.0 11.0 33.0



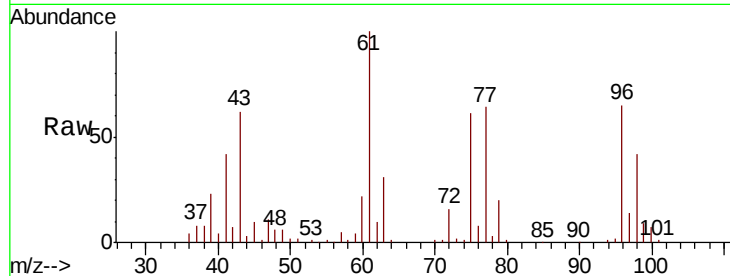


#27

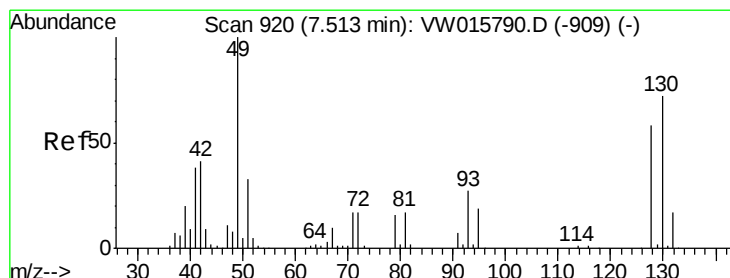
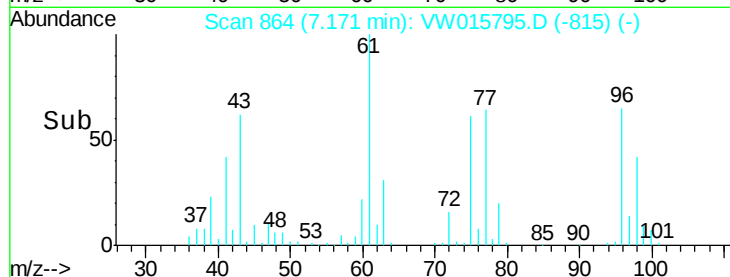
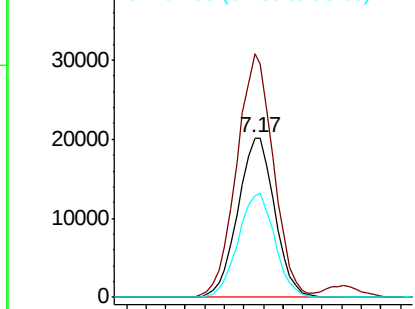
cis-1,2-Dichloroethene
 Concen: 21.222 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

Tot Ion: 96 Resp: 52675
 Ion Ratio Lower Upper
 96 100
 61 153.1 0.0 292.2
 98 65.0 0.0 129.0



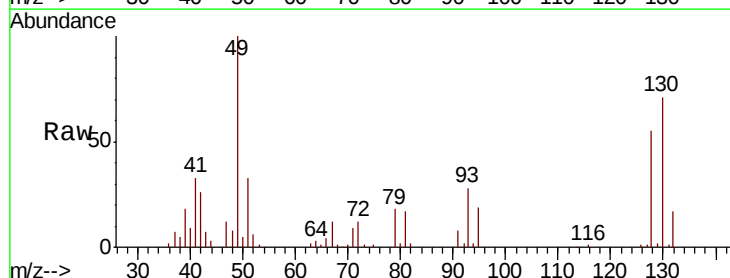
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



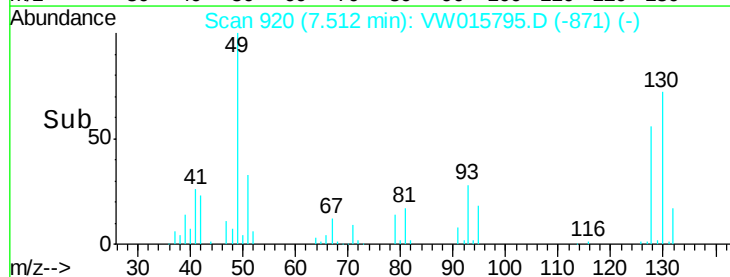
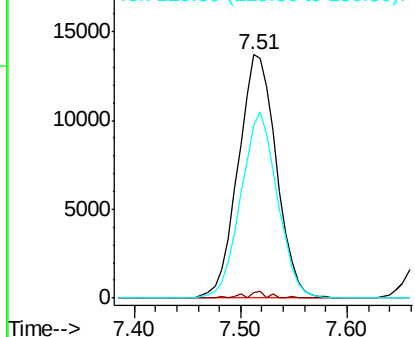
#28

Bromochloromethane
 Concen: 21.035 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 49 Resp: 34512
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.6
 130 73.3 59.5 89.3



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





#29

Tetrahydrofuran

Concen: 102.906 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

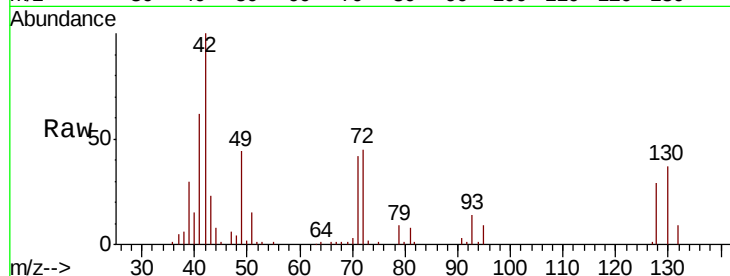
Tot Ion: 42 Resp: 35683

Ion Ratio Lower Upper

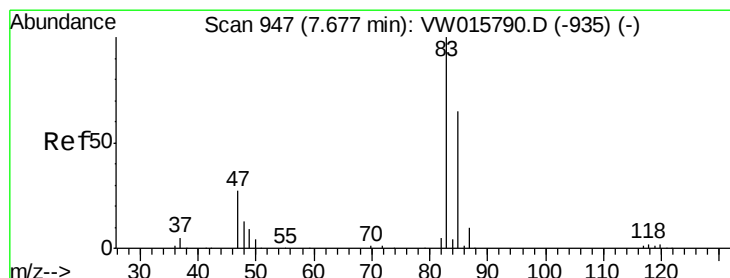
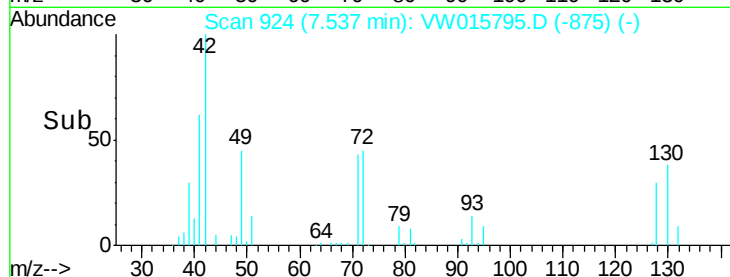
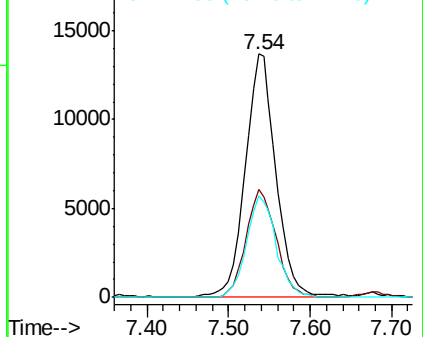
42 100

72 43.7 34.6 51.8

71 40.4 32.8 49.2



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



#30

Chloroform

Concen: 21.365 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015795.D

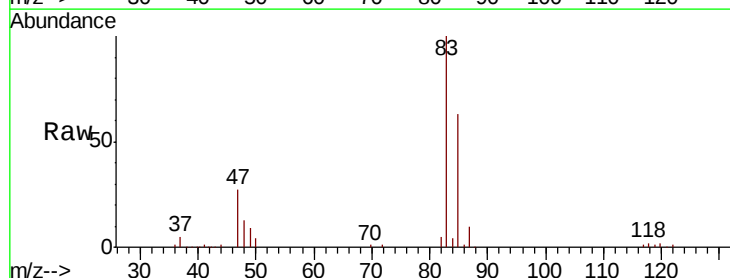
Acq: 07 Jul 2020 17:18

Tgt Ion: 83 Resp: 90389

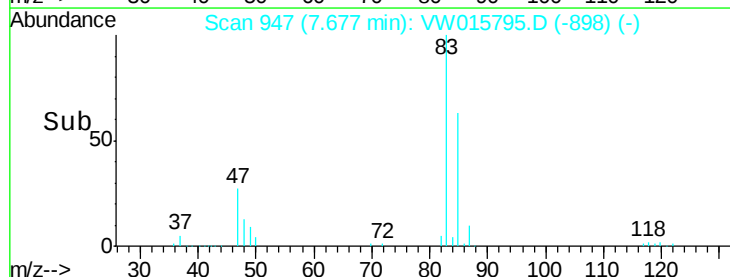
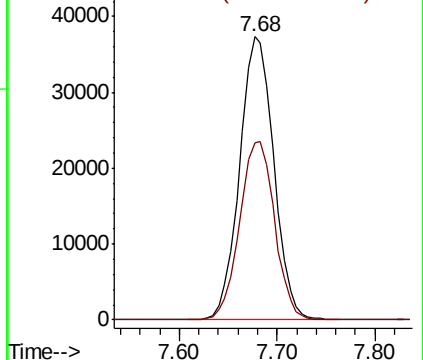
Ion Ratio Lower Upper

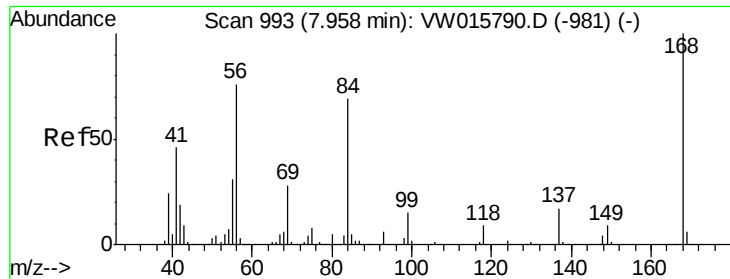
83 100

85 62.6 51.6 77.4



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

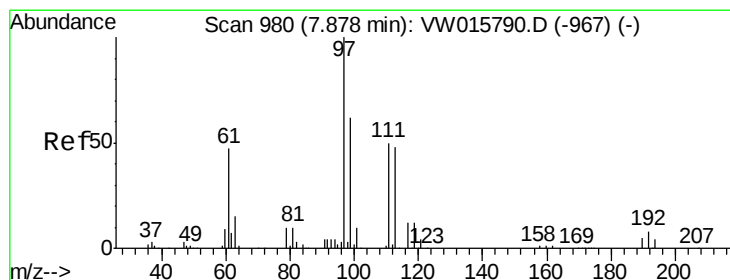
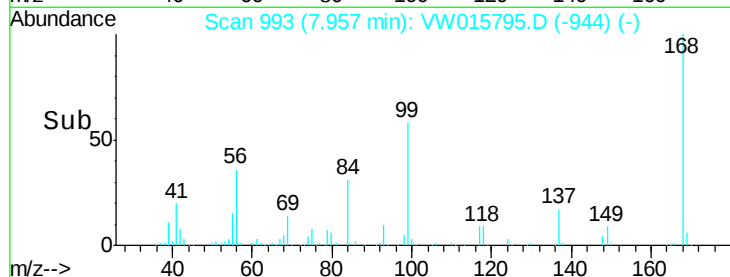
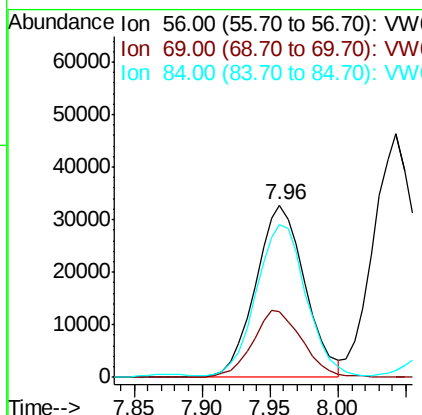
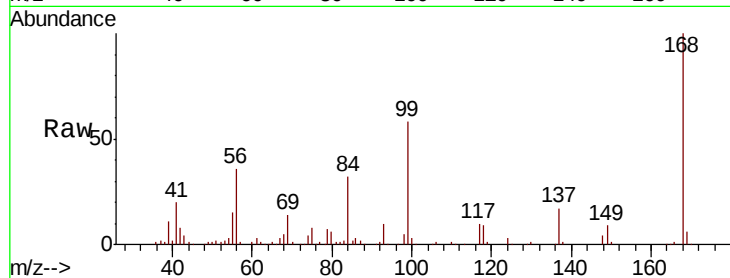




#31
Cyclohexane
Concen: 21.285 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

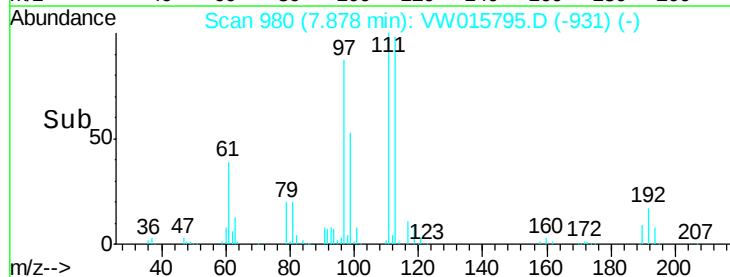
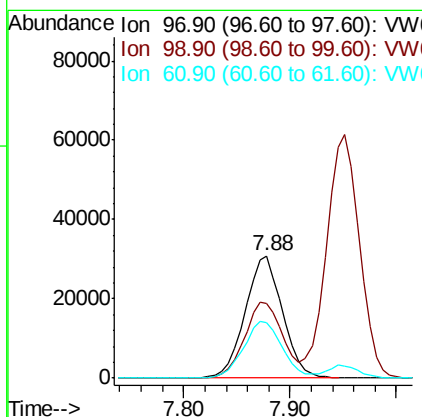
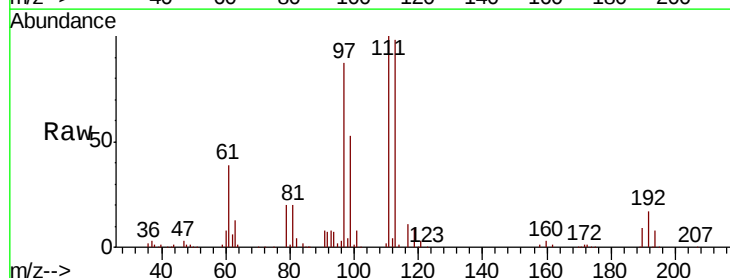
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

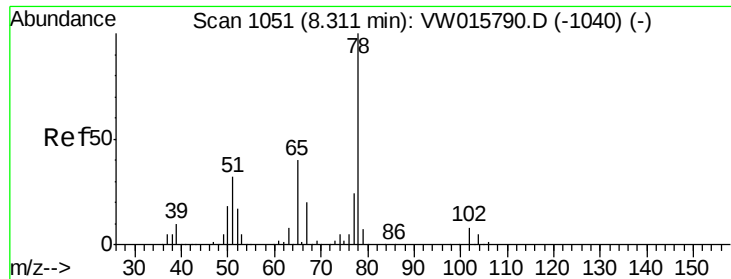
Tot Ion: 56 Resp: 82907
Ion Ratio Lower Upper
56 100
69 38.0 28.9 43.3
84 87.1 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.352 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 97 Resp: 75747
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.4
61 47.8 38.6 57.8

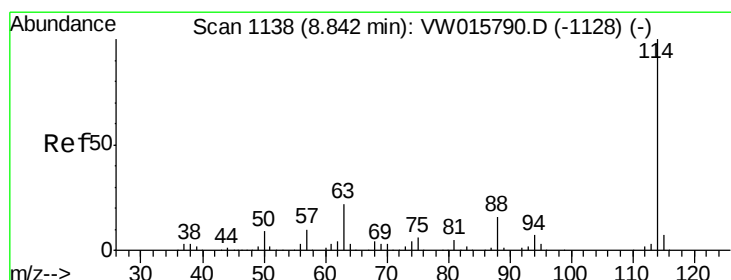
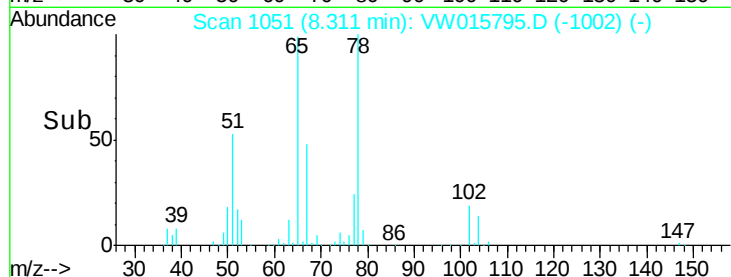
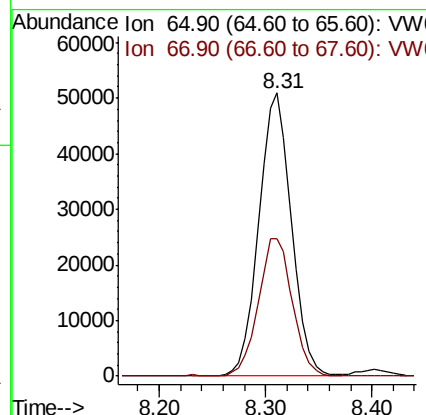
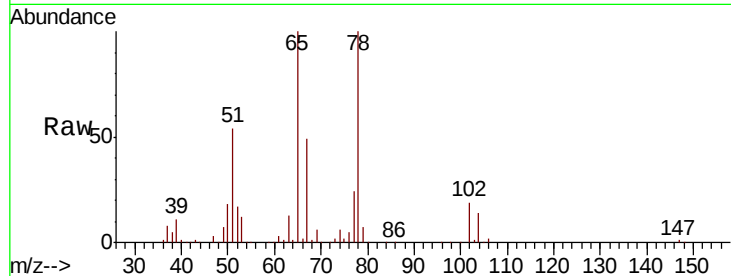




#33
 1,2-Dichloroethane-d4
 Concen: 48.528 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

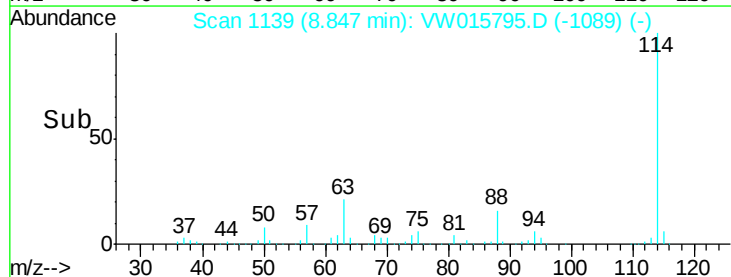
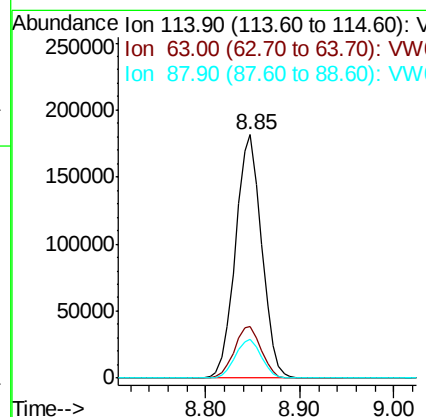
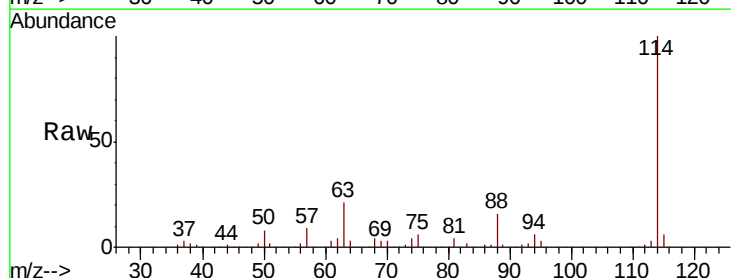
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

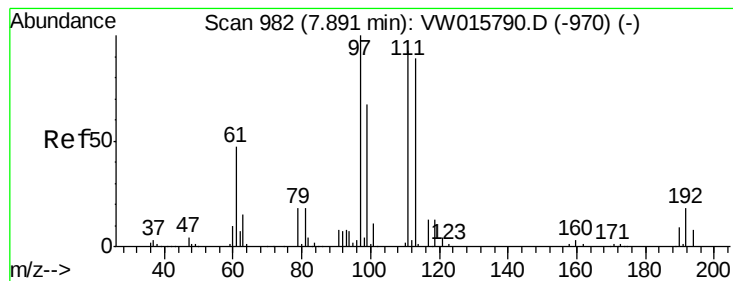
Tot Ion: 65 Resp: 109181
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 114 Resp: 349727
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.4
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.552 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

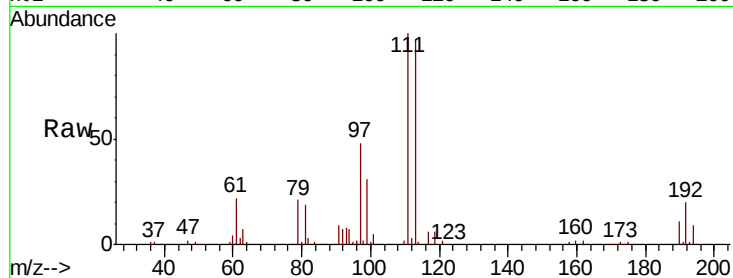
Tot Ion:113 Resp: 97023

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

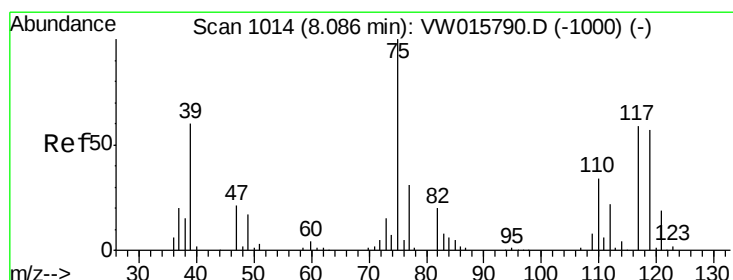
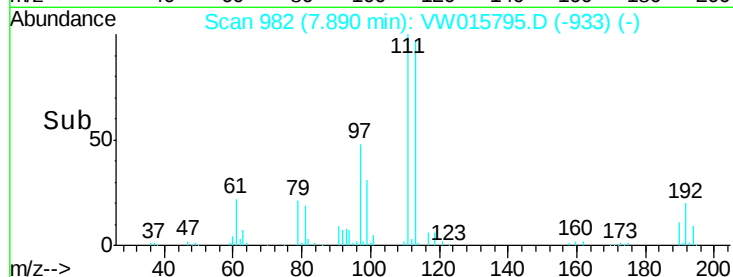
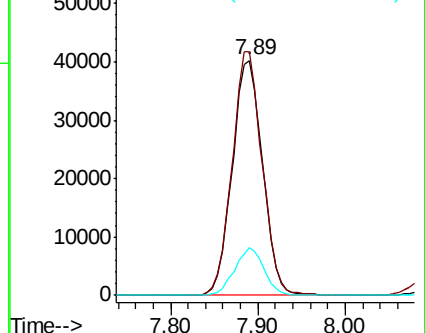
192 19.4 15.4 23.2



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: 21.259 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

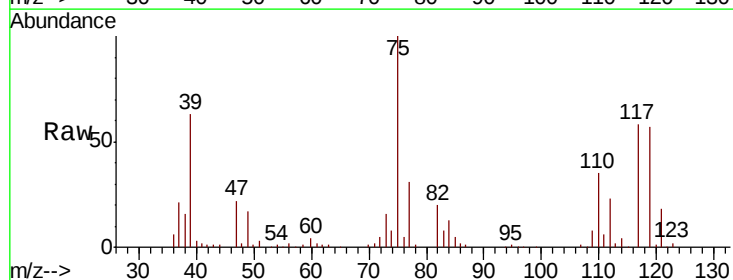
Tgt Ion: 75 Resp: 73291

Ion Ratio Lower Upper

75 100

110 33.6 16.8 50.3

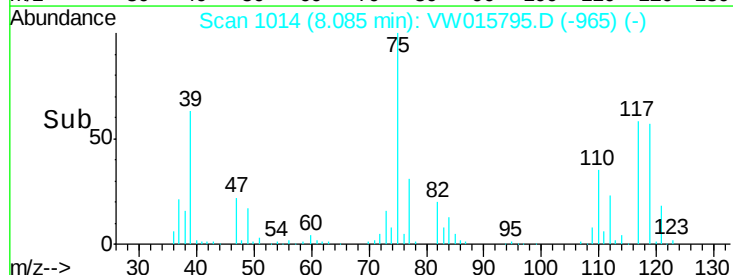
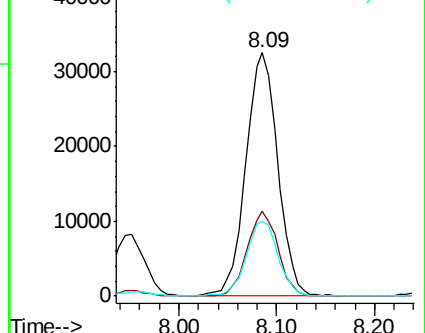
77 30.9 24.7 37.1

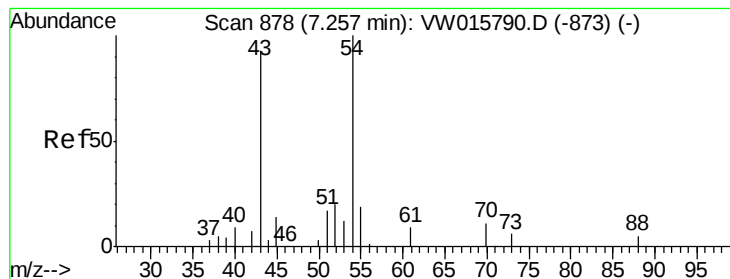


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.224 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

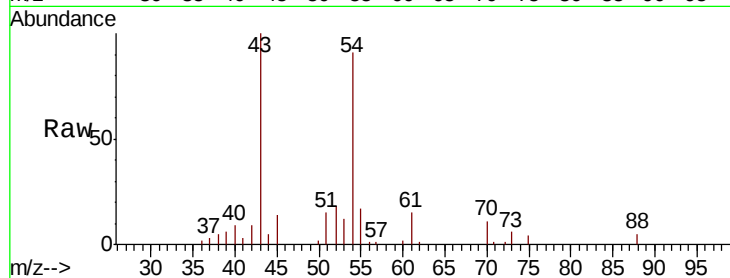
Tot Ion: 43 Resp: 27091

Ion Ratio Lower Upper

43 100

61 14.1 10.4 15.6

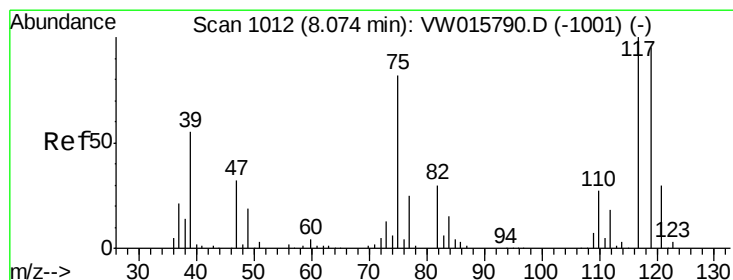
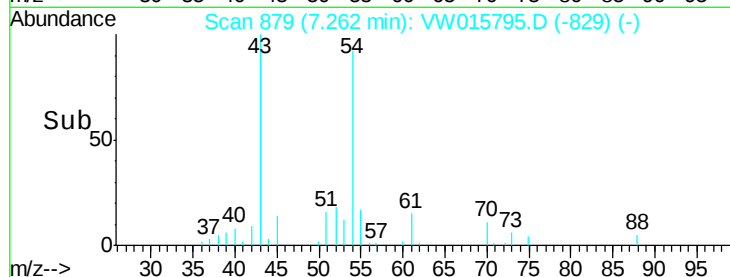
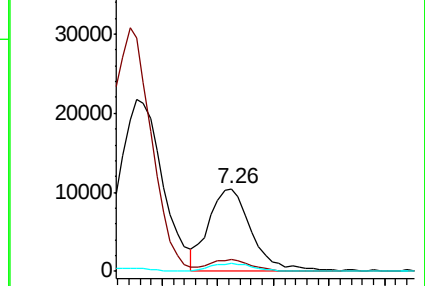
70 9.9 8.4 12.6



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: 20.751 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

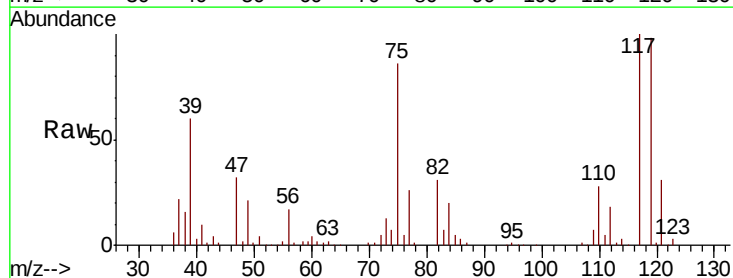
Tgt Ion: 117 Resp: 69222

Ion Ratio Lower Upper

117 100

119 98.2 76.3 114.5

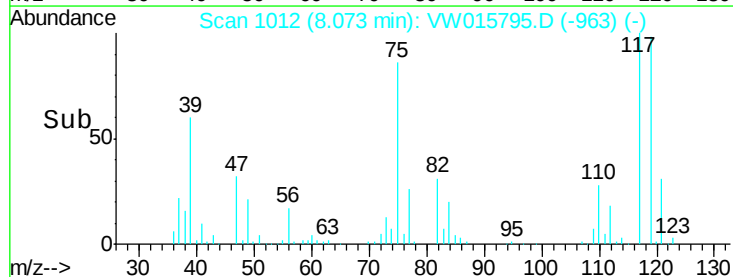
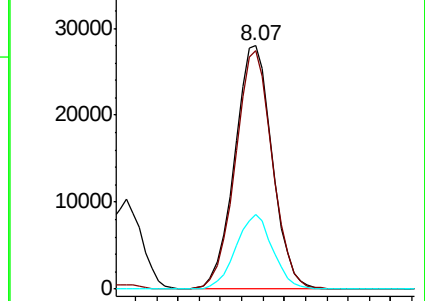
121 30.9 24.0 36.0

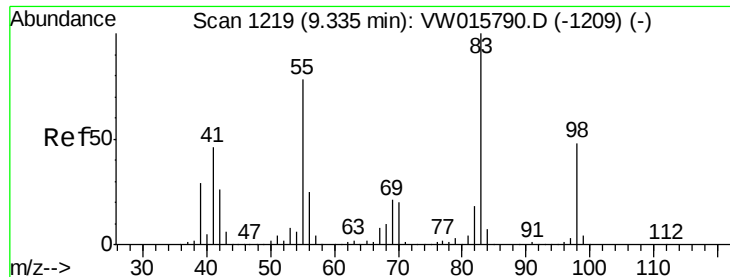


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

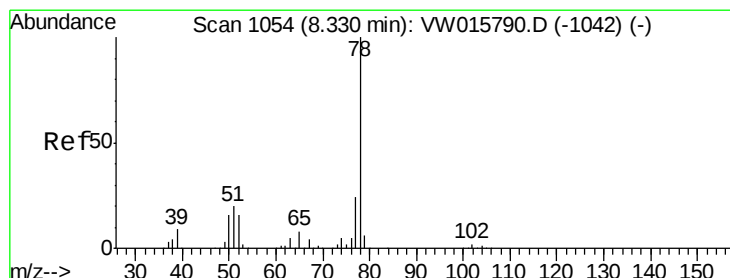
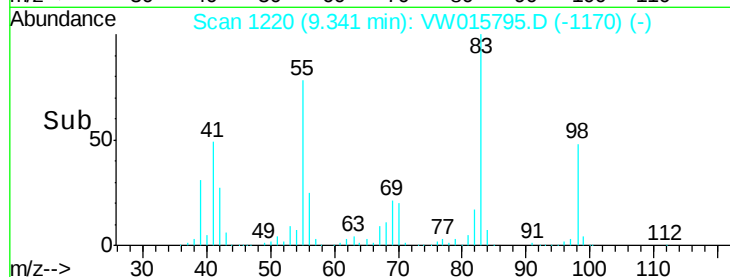
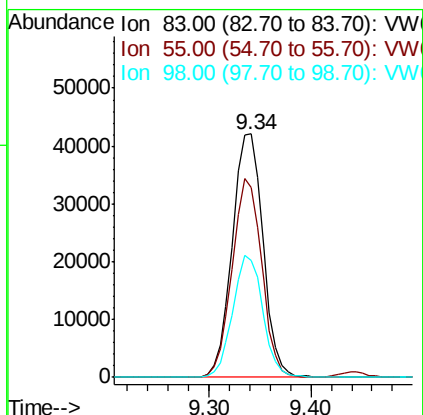
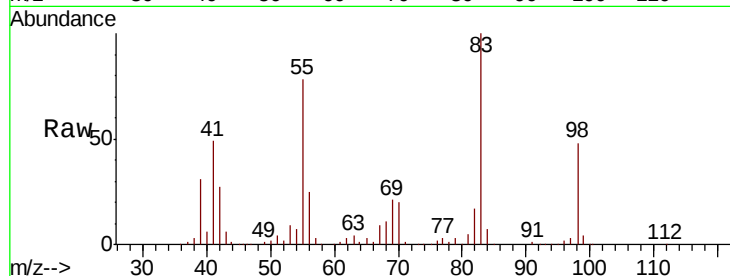




#39
Methvlcvclohexane
Concen: 21.622 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

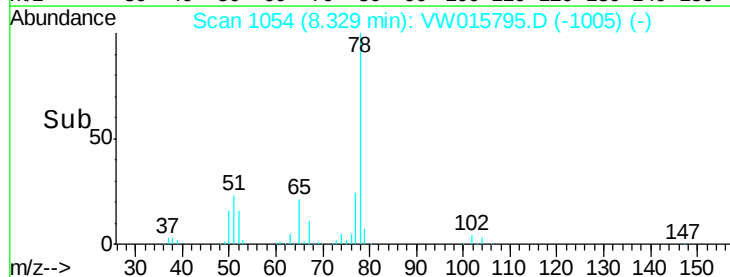
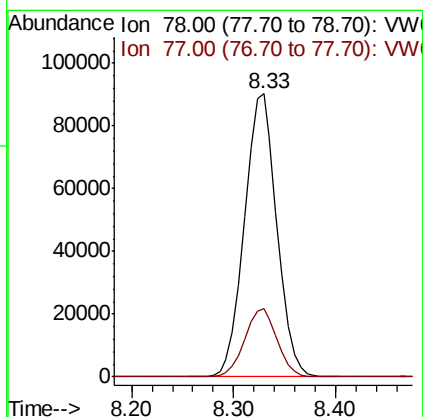
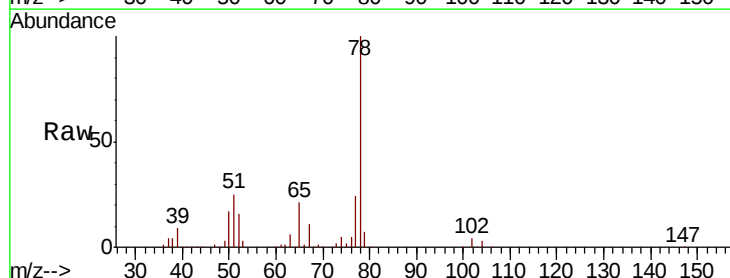
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

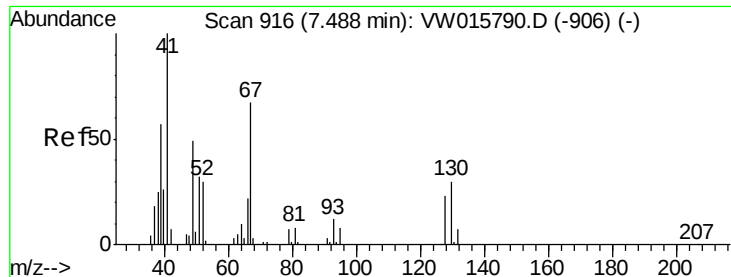
Tot Ion: 83 Resp: 87958
Ion Ratio Lower Upper
83 100
55 77.8 62.6 94.0
98 48.0 38.6 58.0



#40
Benzene
Concen: 21.091 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 78 Resp: 199175
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

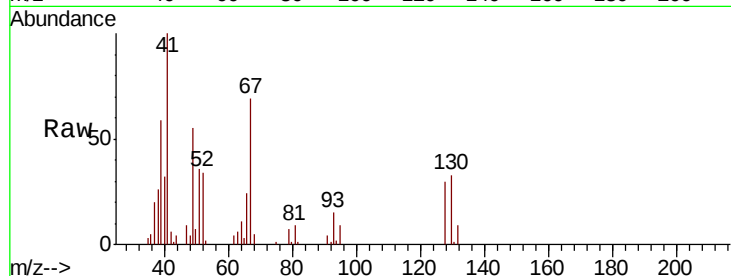




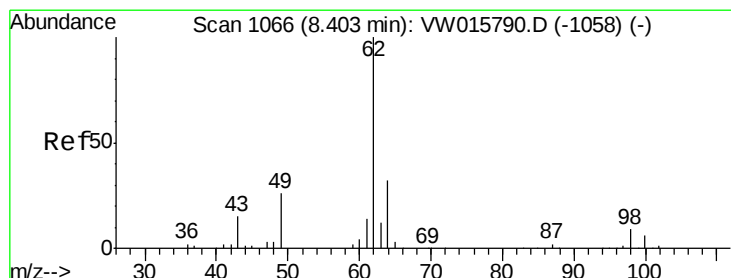
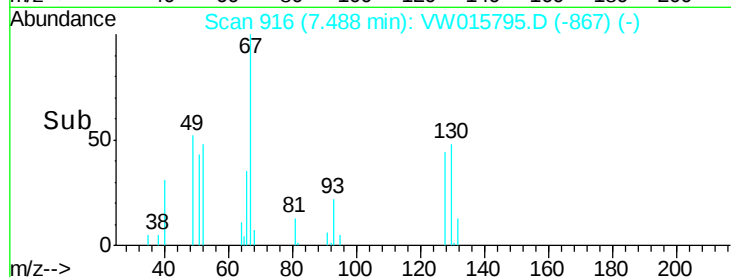
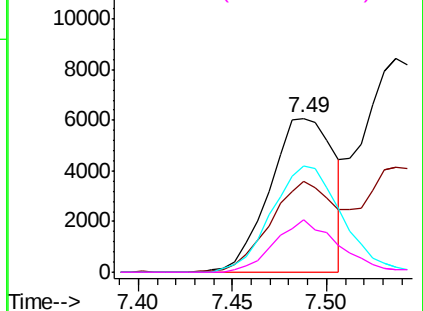
#41
Methacrylonitrile
Concen: 18.928 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

Tot Ion:	41	Resp:	14395
Ion	Ratio	Lower	Upper
41	100		
39	63.7	44.6	66.8
67	75.3	56.4	84.6
52	34.5	25.4	38.2

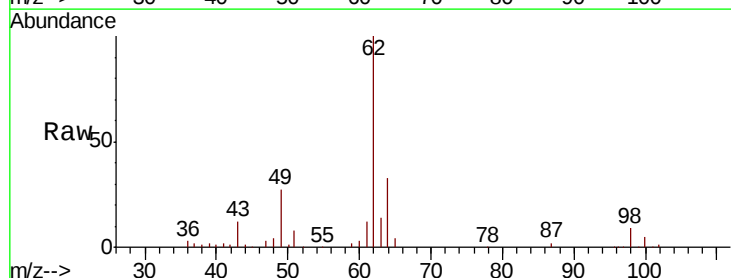


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

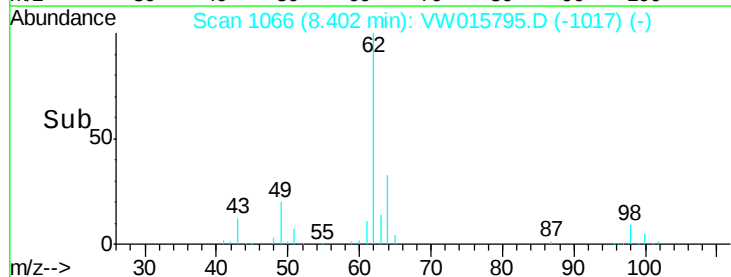
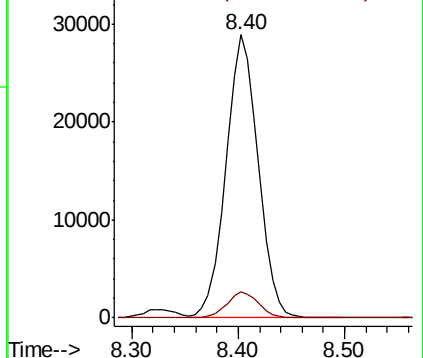


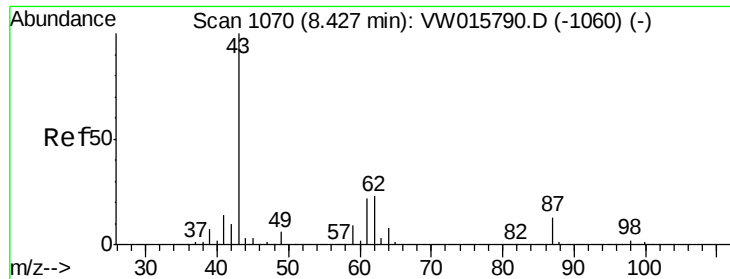
#42
1,2-Dichloroethane
Concen: 20.839 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion:	62	Resp:	61250
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.950 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

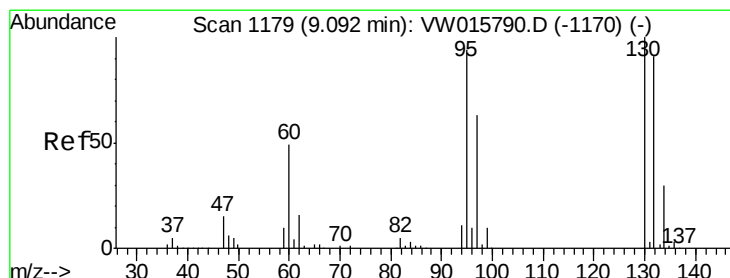
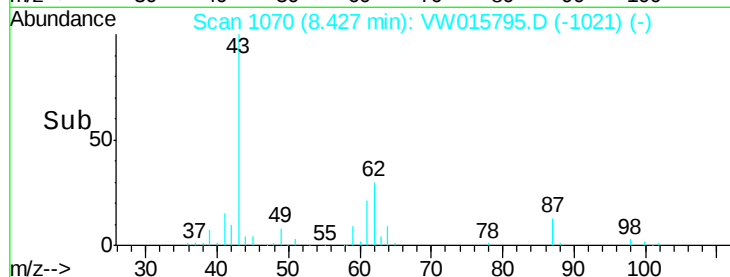
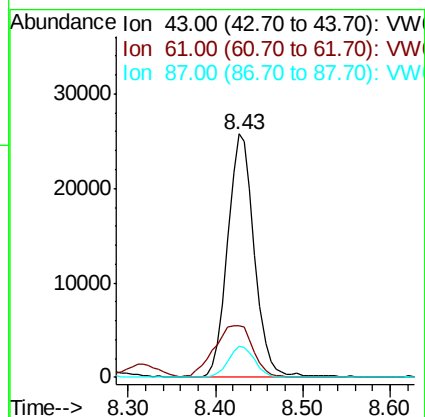
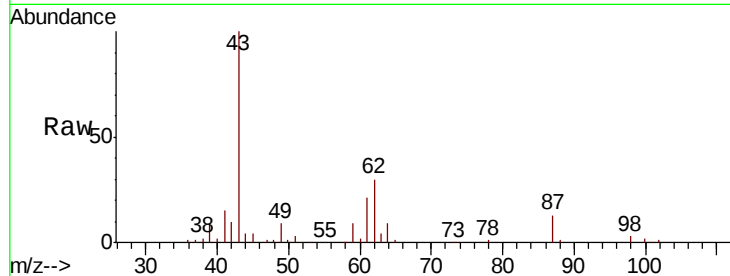
Tot Ion: 43 Resp: 54778

Ion Ratio Lower Upper

43 100

61 30.7 24.8 37.2

87 12.5 10.4 15.6



#44

Trichloroethene

Concen: 21.116 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015795.D

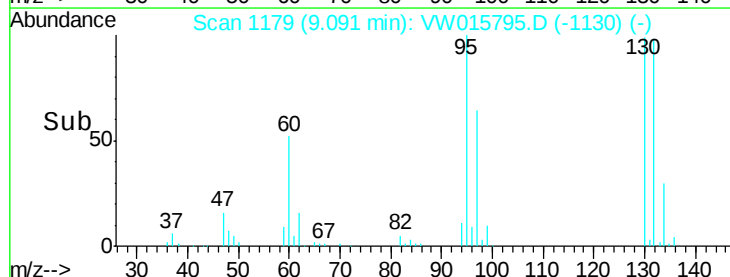
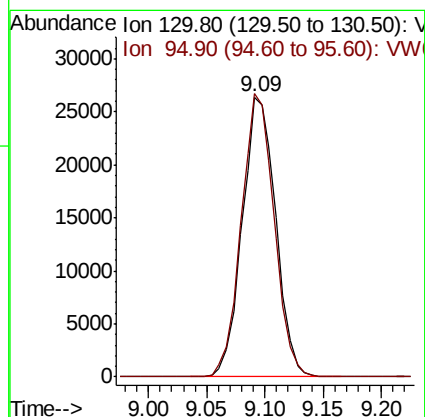
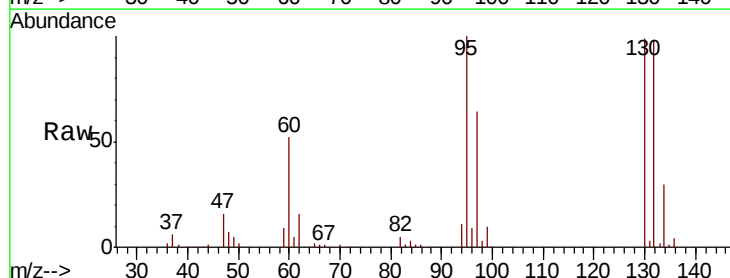
Acq: 07 Jul 2020 17:18

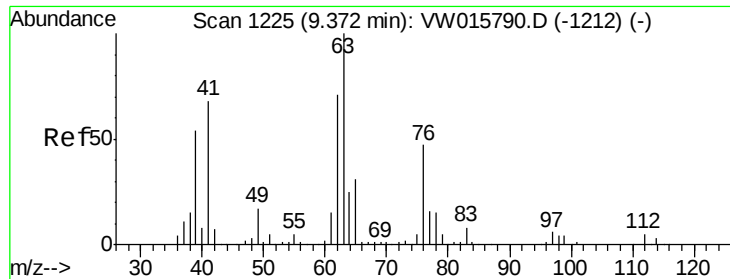
Tgt Ion: 130 Resp: 52744

Ion Ratio Lower Upper

130 100

95 101.1 0.0 188.6





#45

1,2-Dichloropropane

Concen: 20.951 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampled :

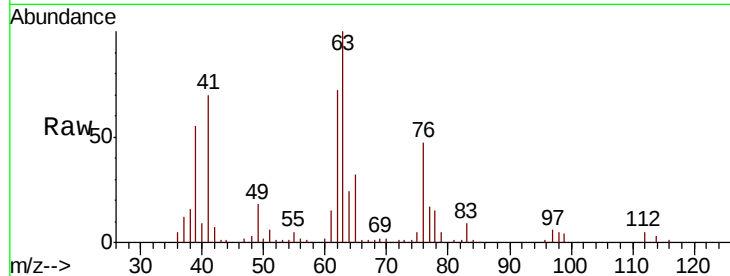
VW0707SBS01

Tot Ion: 63 Resp: 48632

Ion Ratio Lower Upper

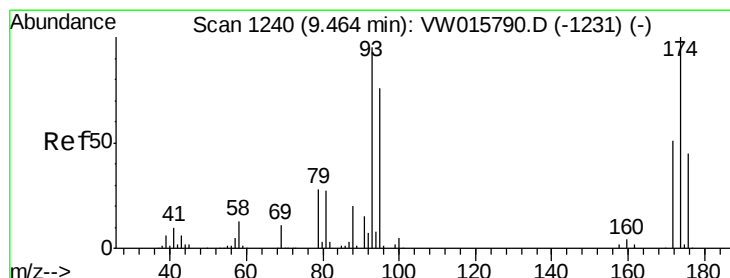
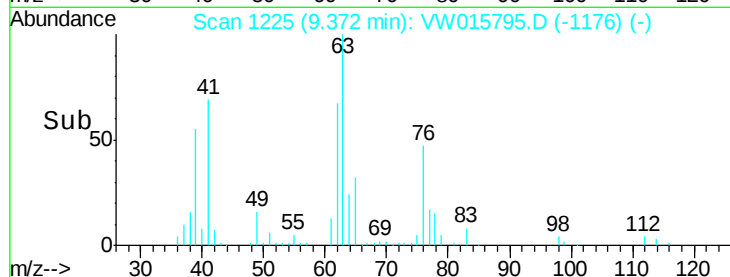
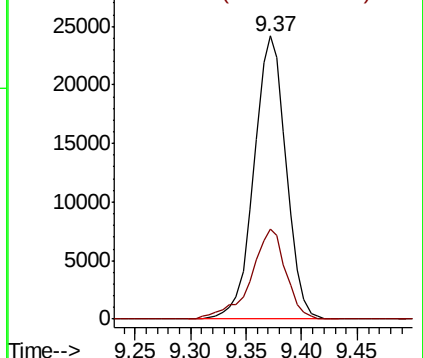
63 100

65 32.0 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.558 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

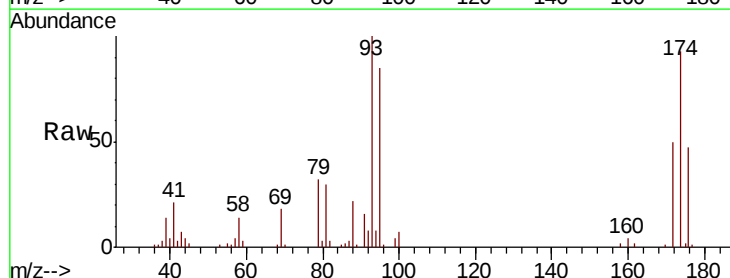
Tgt Ion: 93 Resp: 24568

Ion Ratio Lower Upper

93 100

95 83.0 66.0 99.0

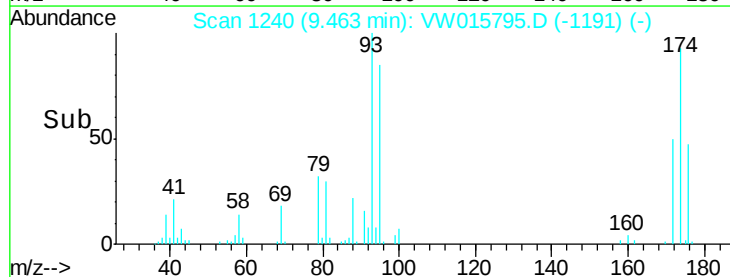
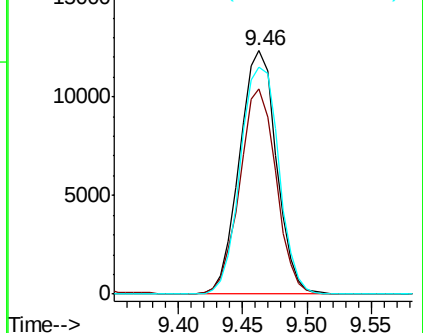
174 97.0 78.7 118.1

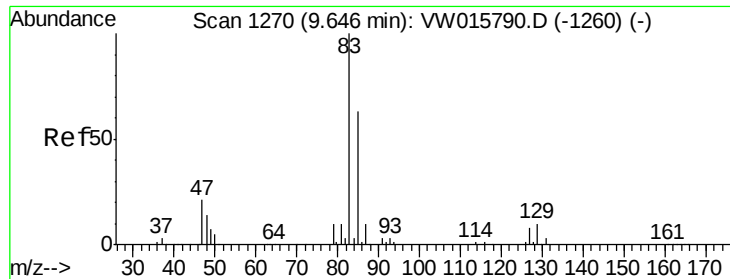


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.493 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

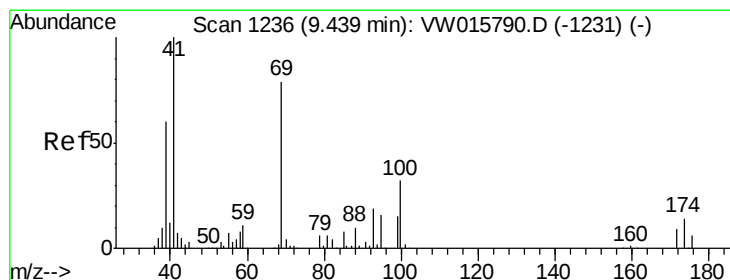
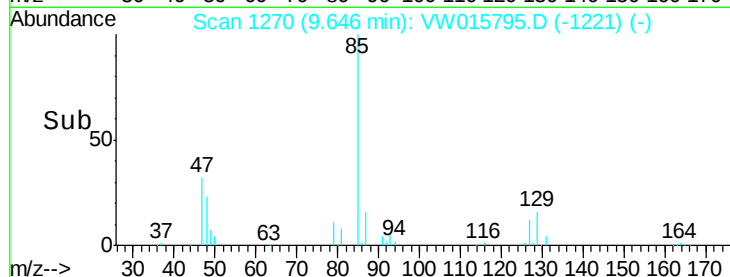
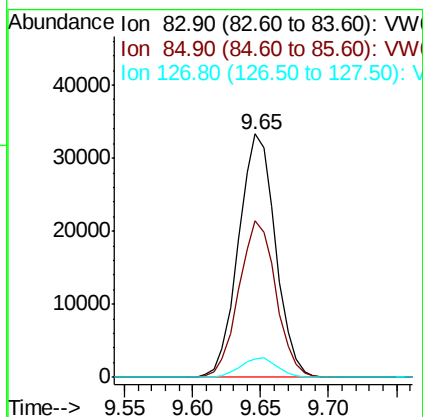
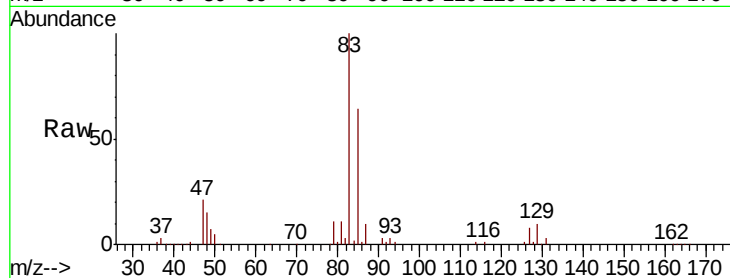
Tot Ion: 83 Resp: 63345

Ion Ratio Lower Upper

83 100

85 64.4 50.6 76.0

127 7.5 6.2 9.2



#48

Methyl methacrylate

Concen: 20.442 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

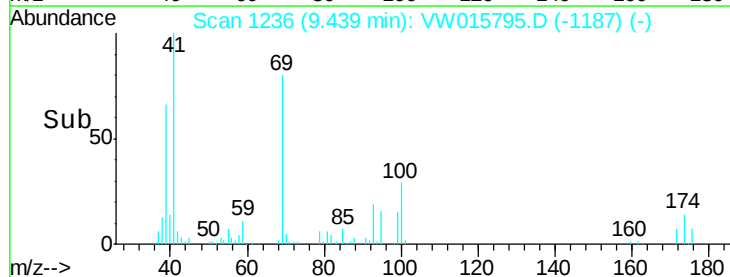
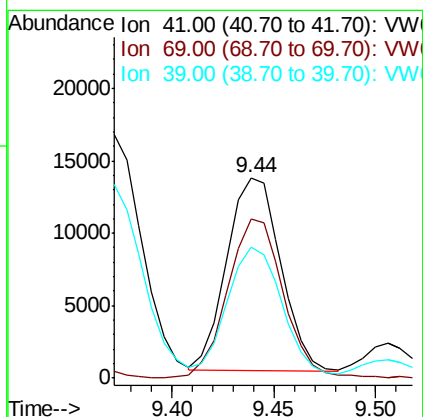
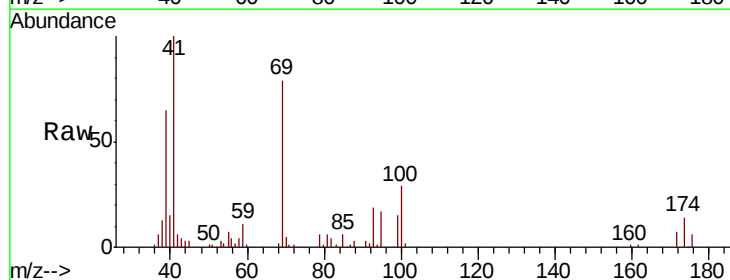
Tgt Ion: 41 Resp: 24496

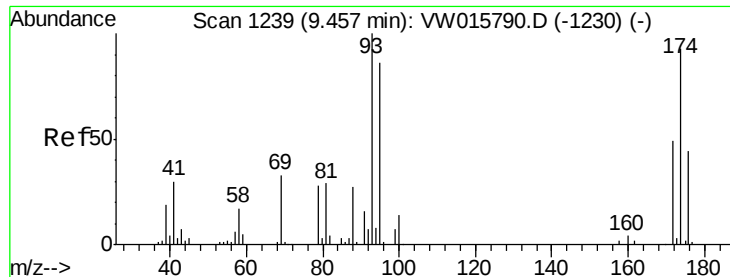
Ion Ratio Lower Upper

41 100

69 84.9 67.1 100.7

39 64.7 49.9 74.9

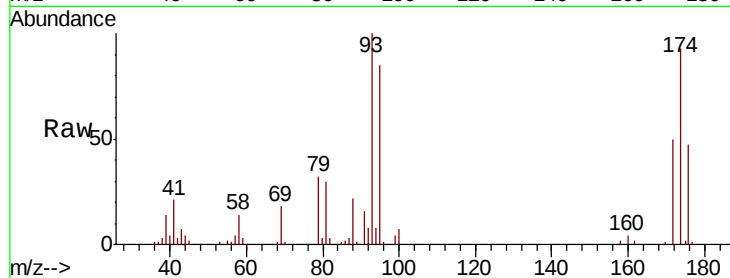




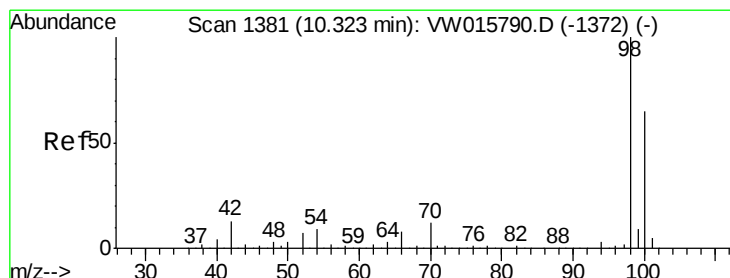
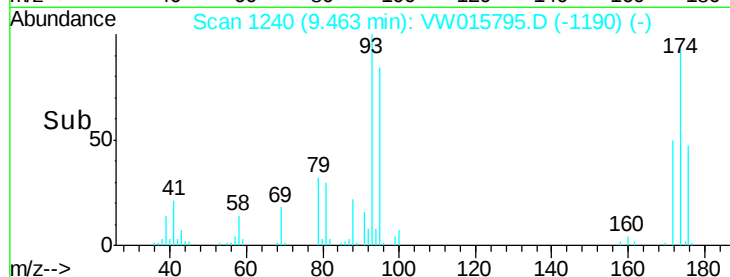
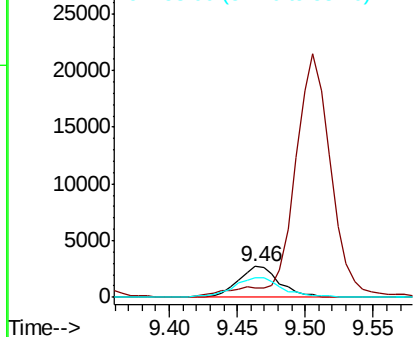
#49
1,4-Dioxane
Concen: 391.210 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

Tot Ion: 88 Resp: 5780
Ion Ratio Lower Upper
88 100
43 0.0 28.1 42.1#
58 75.8 59.3 88.9

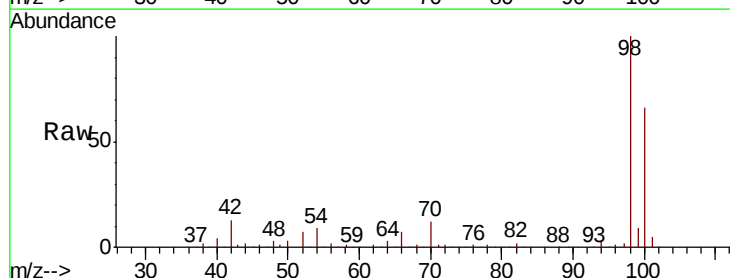


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

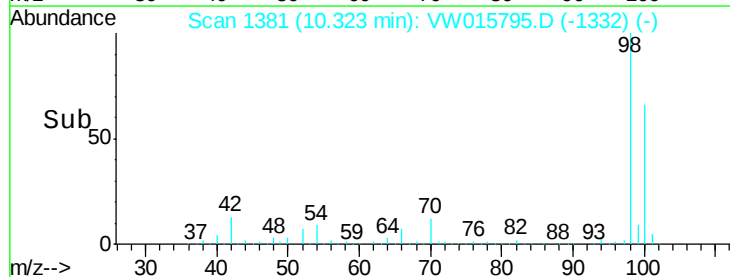
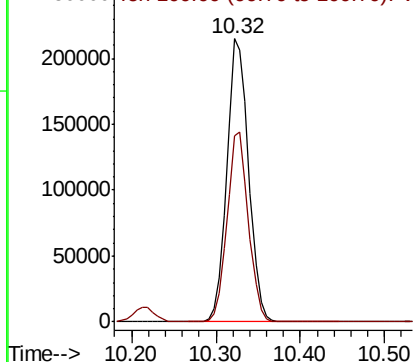


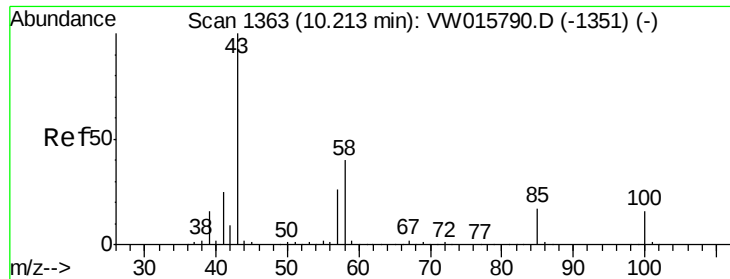
#50
Toluene-d8
Concen: 48.075 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 98 Resp: 376778
Ion Ratio Lower Upper
98 100
100 66.0 52.6 79.0



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: 101.668 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

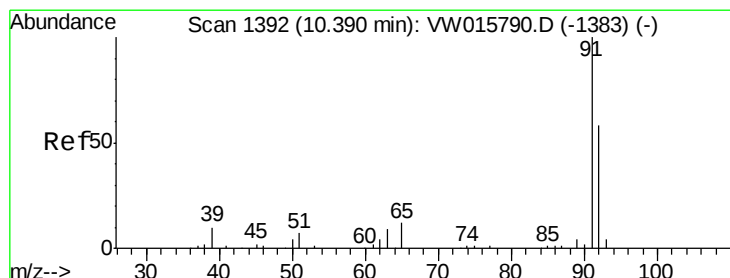
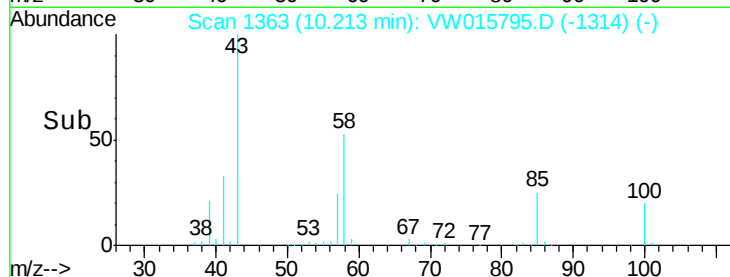
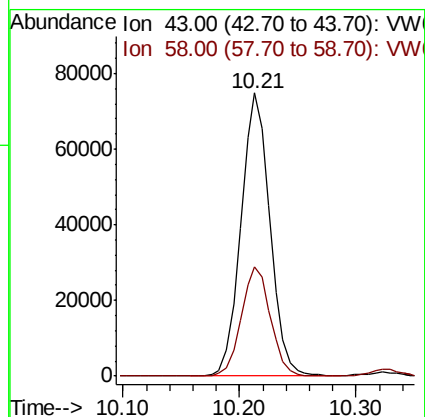
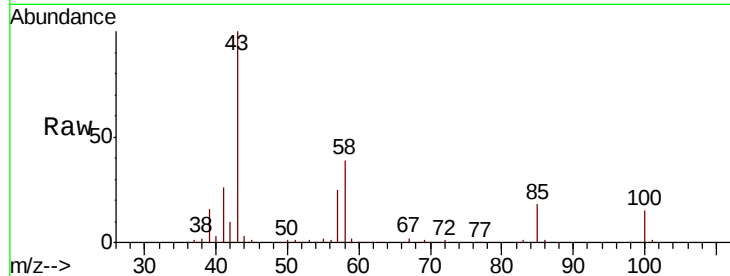
VW0707SBS01

Tot Ion: 43 Resp: 129721

Ion Ratio Lower Upper

43 100

58 38.7 30.9 46.3



#52

Toluene

Concen: 20.977 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015795.D

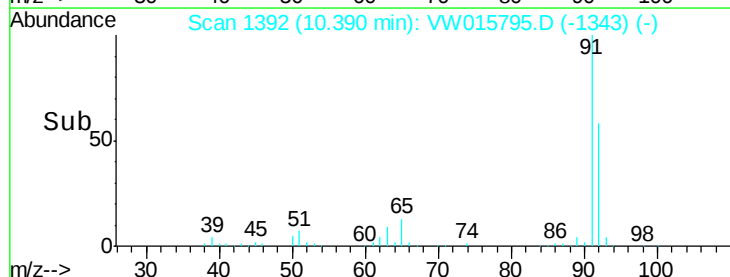
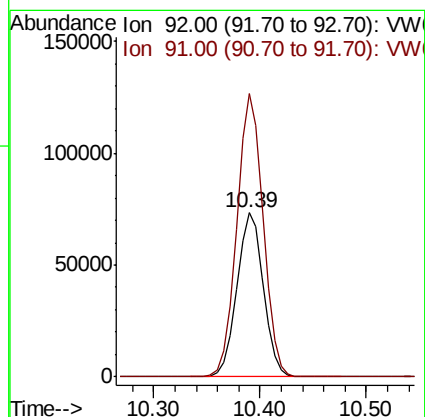
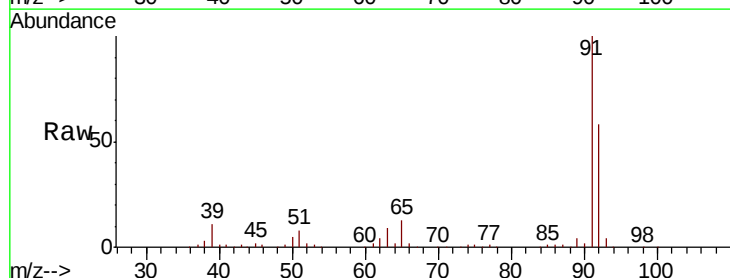
Acq: 07 Jul 2020 17:18

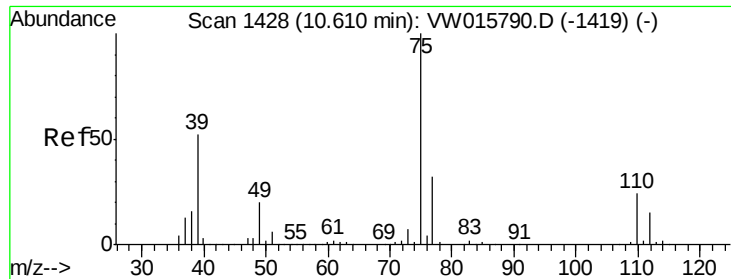
Tgt Ion: 92 Resp: 127480

Ion Ratio Lower Upper

92 100

91 171.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.441 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

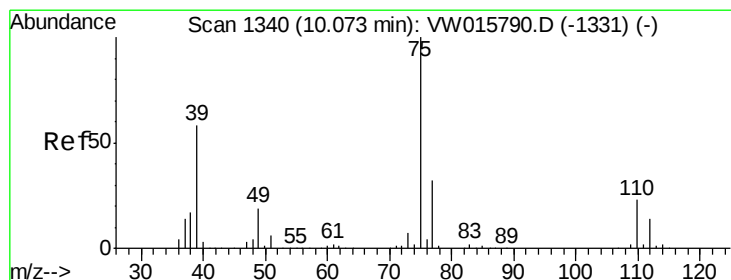
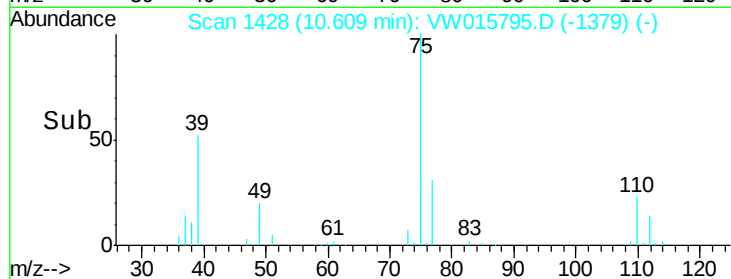
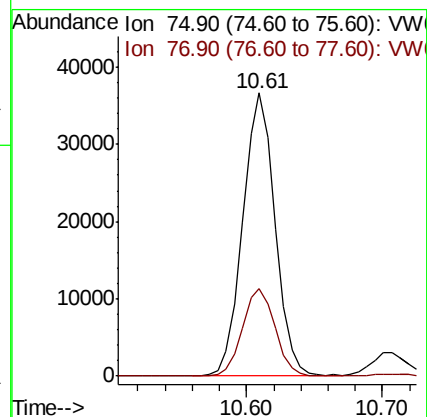
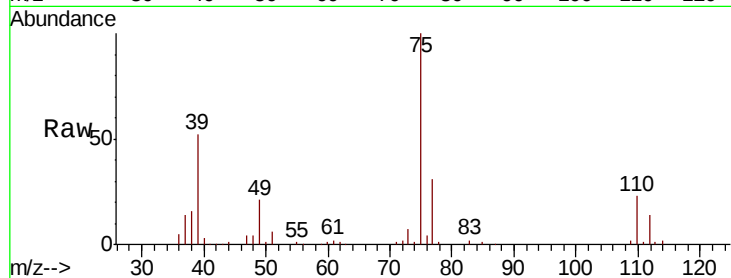
VW0707SBS01

Tot Ion: 75 Resp: 60624

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.664 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

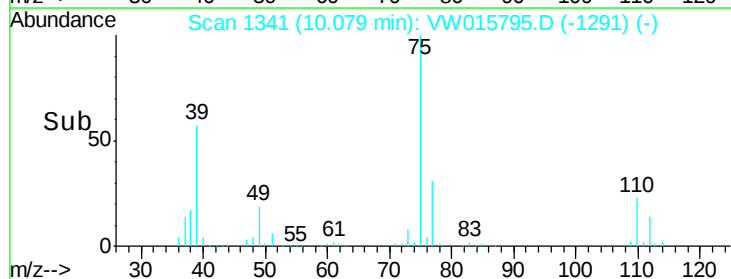
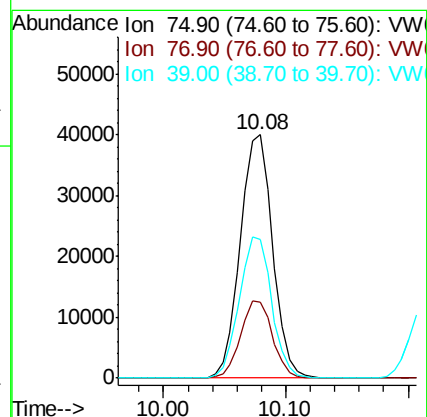
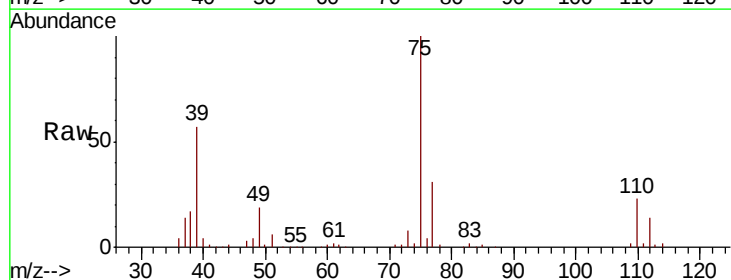
Tgt Ion: 75 Resp: 73311

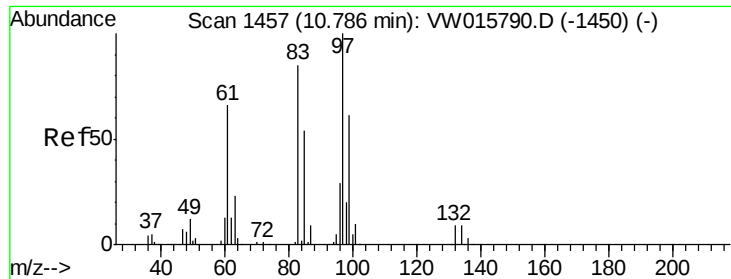
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 56.9 46.0 69.0

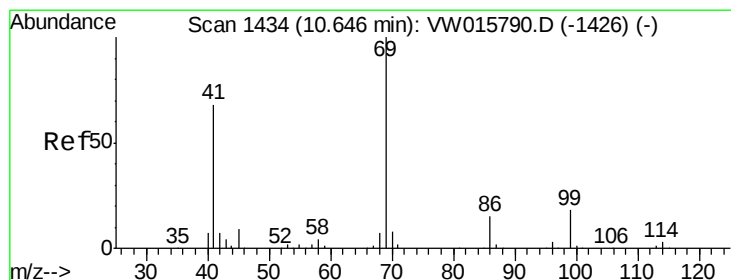
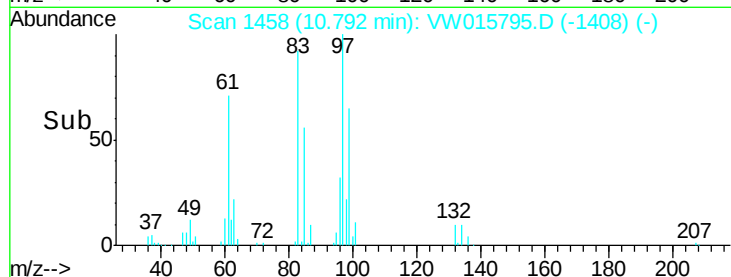
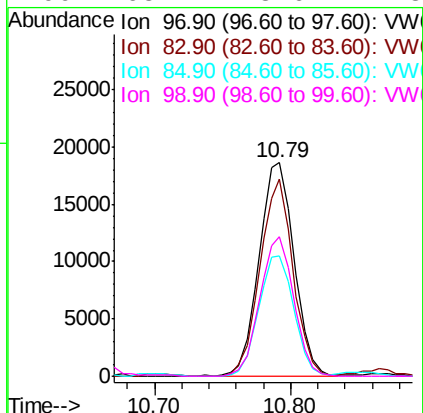
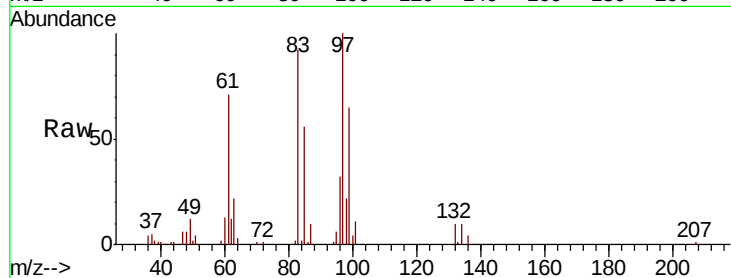




#55
 1,1,2-Trichloroethane
 Concen: 20.366 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

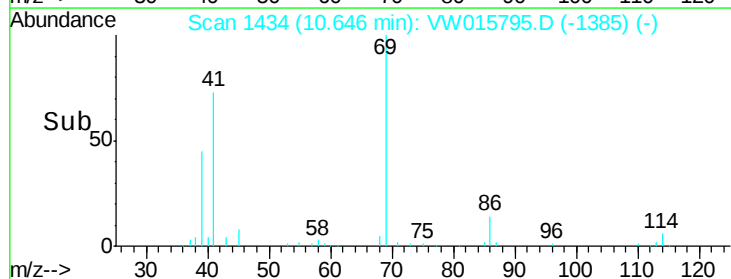
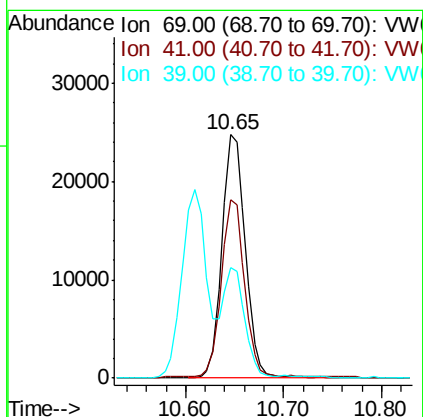
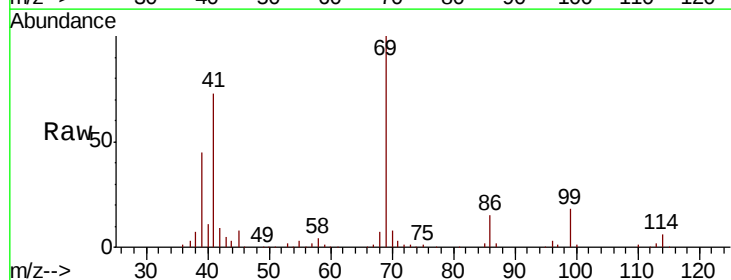
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

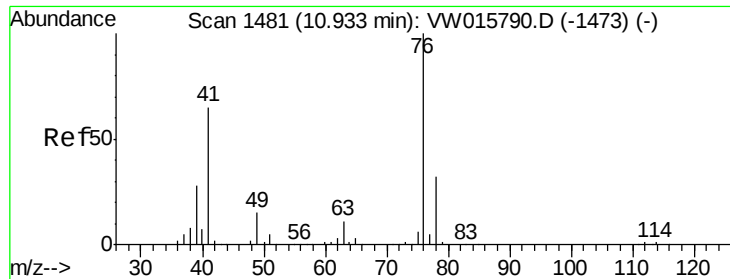
Tot Ion: 97 Resp: 33749
 Ion Ratio Lower Upper
 97 100
 83 92.4 68.2 102.4
 85 55.9 43.4 65.0
 99 65.4 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 20.239 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 69 Resp: 41233
 Ion Ratio Lower Upper
 69 100
 41 71.8 55.0 82.6
 39 38.4 33.8 50.8

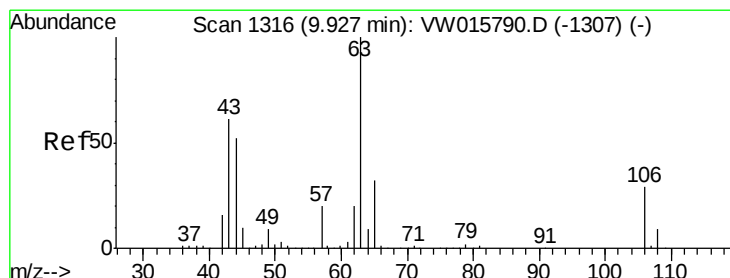
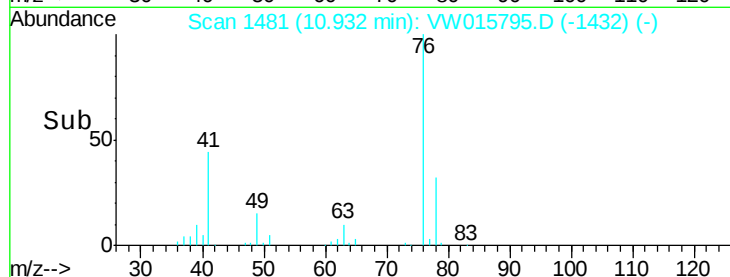
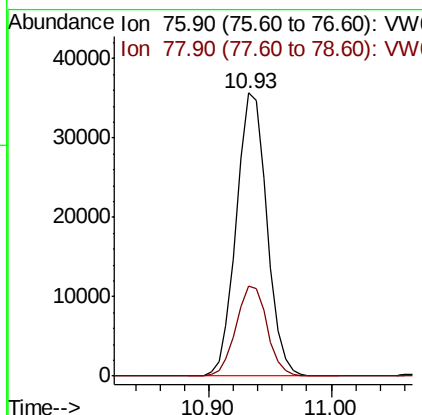
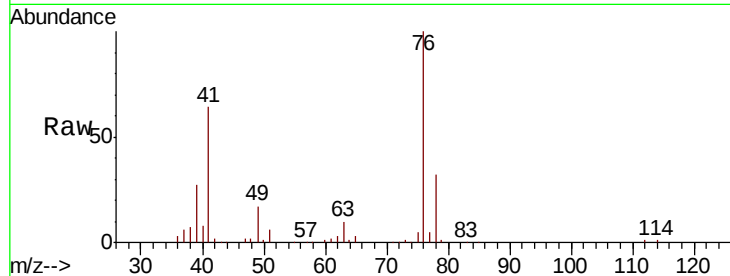




#57
 1,3-Dichloropropane
 Concen: 21.076 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

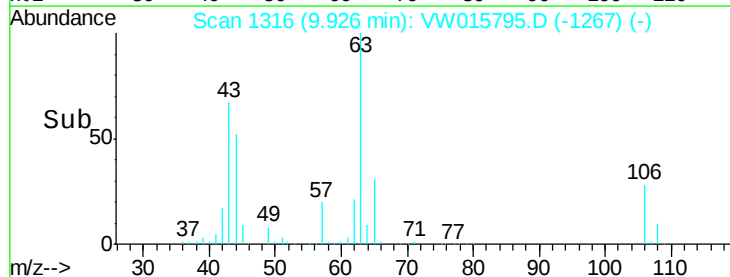
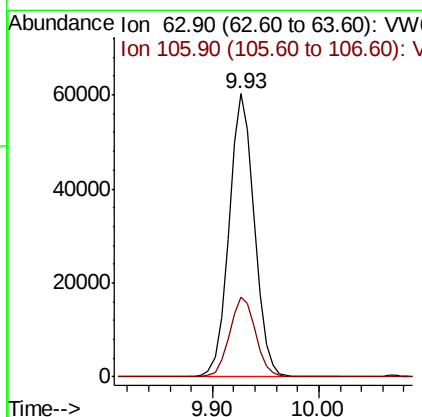
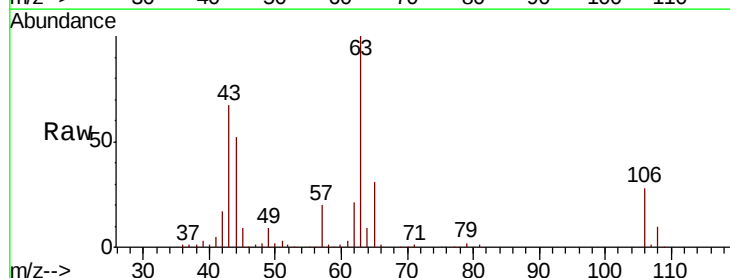
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

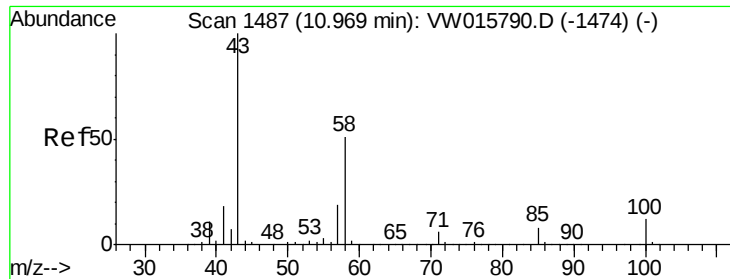
Tot Ion: 76 Resp: 61826
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.591 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 63 Resp: 100133
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.1 34.7

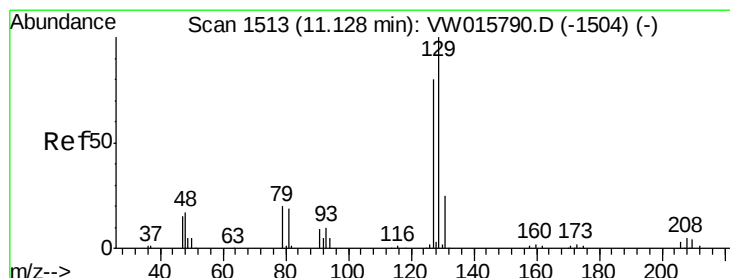
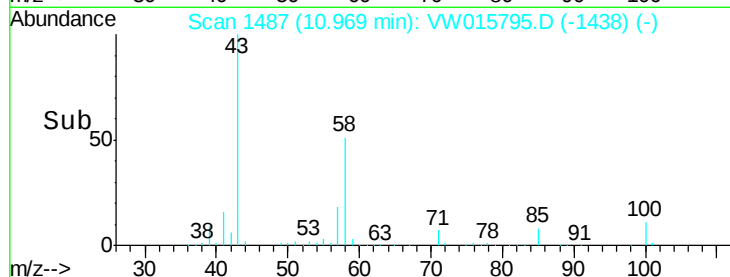
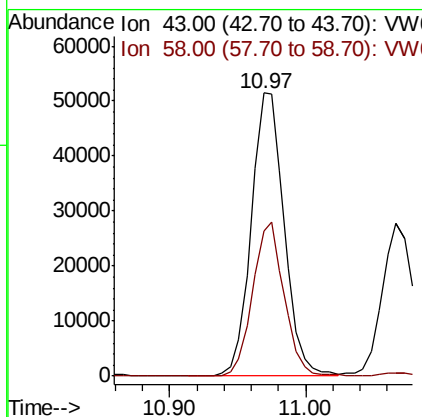
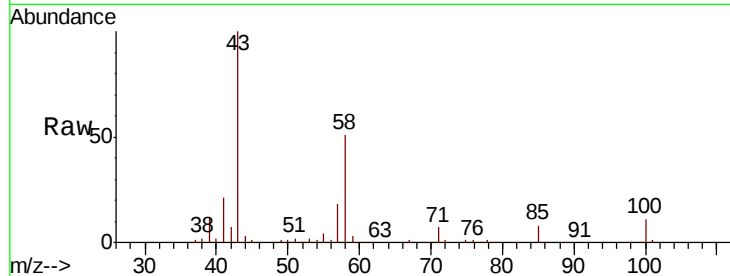




#59
2-Hexanone
Concen: 102.743 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

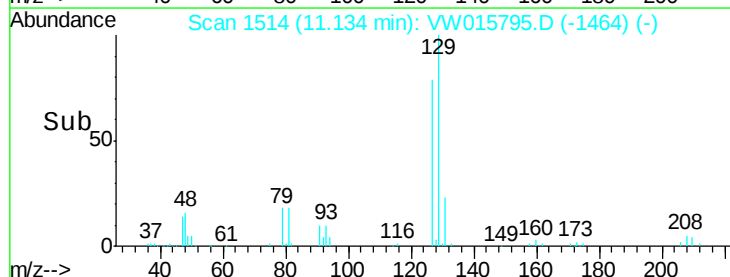
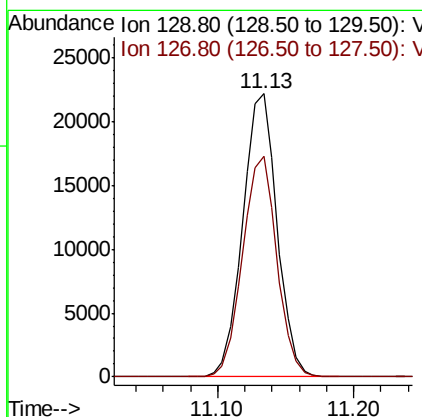
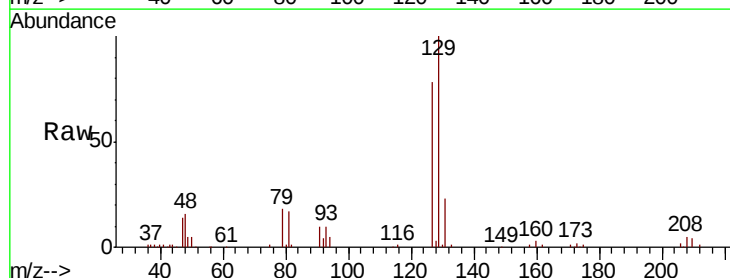
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

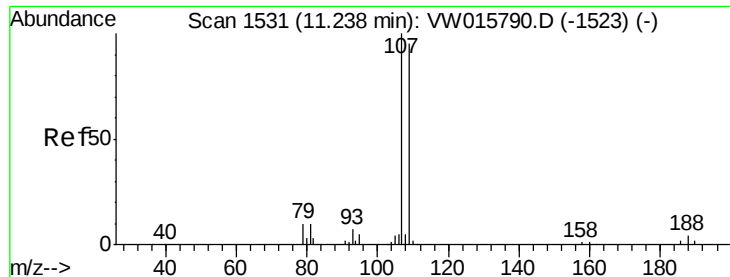
Tot Ion: 43 Resp: 87485
Ion Ratio Lower Upper
43 100
58 51.9 26.2 78.5



#60
Dibromochloromethane
Concen: 20.486 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 129 Resp: 39206
Ion Ratio Lower Upper
129 100
127 77.5 39.4 118.1

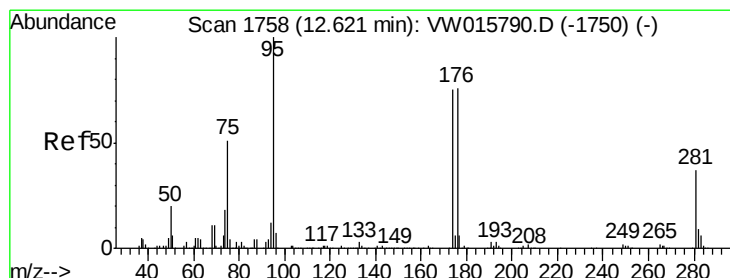
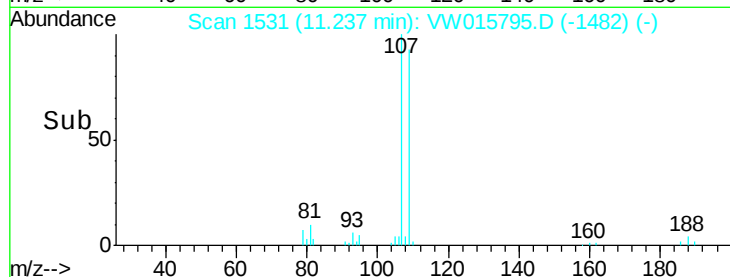
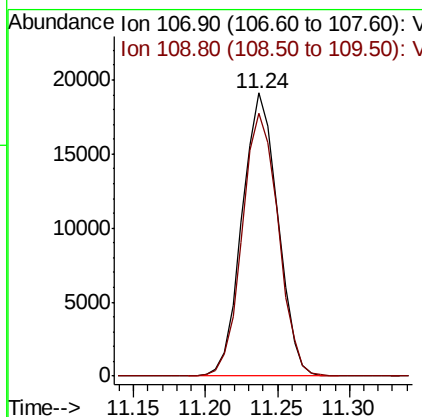
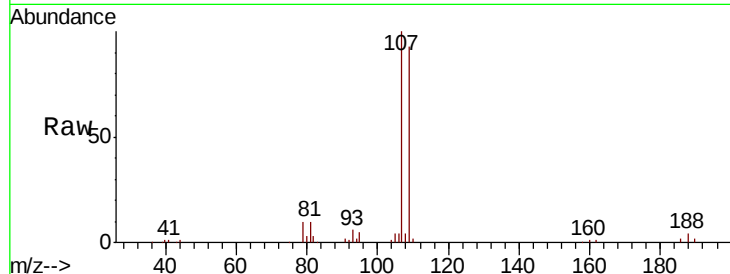




#61
 1,2-Dibromoethane
 Concen: 20.698 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

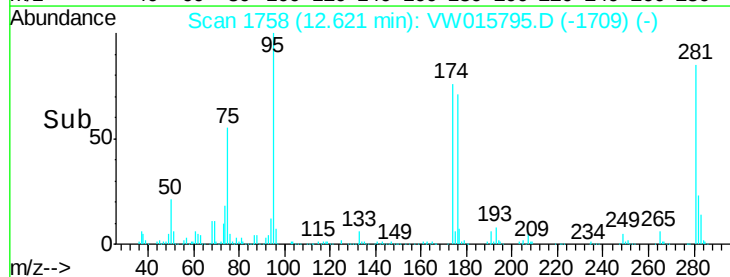
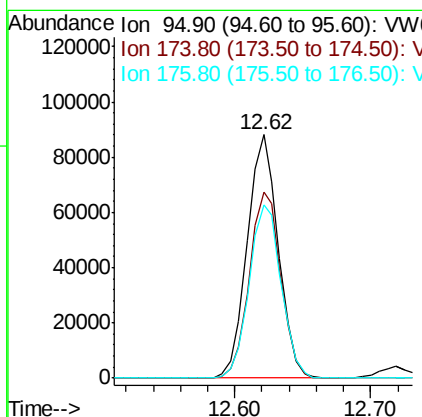
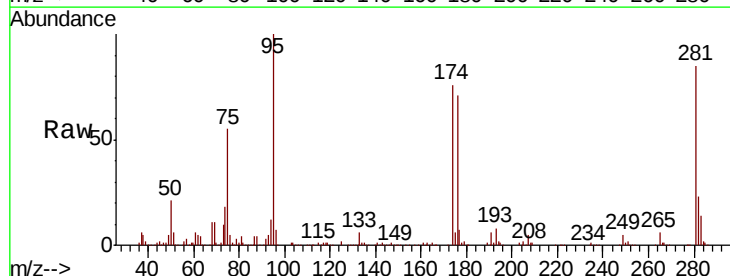
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

Tot Ion: 107 Resp: 32819
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.0 115.6



#62
 4-Bromofluorobenzene
 Concen: 48.870 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion: 95 Resp: 140545
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 150.2
 176 73.9 0.0 148.4

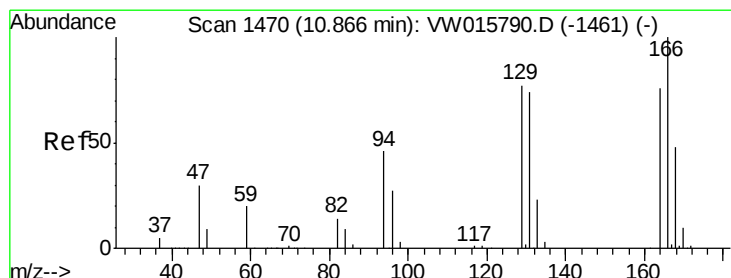
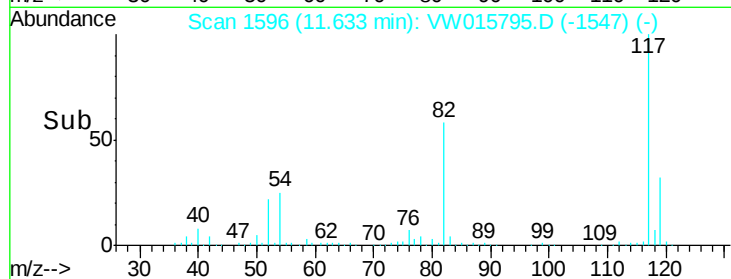
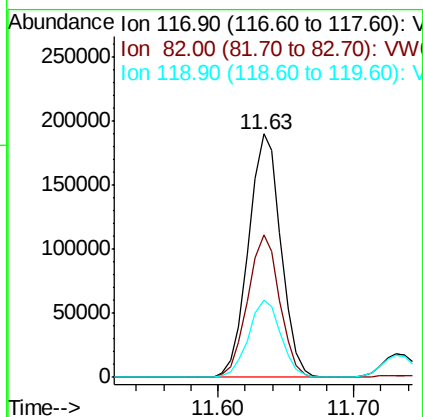
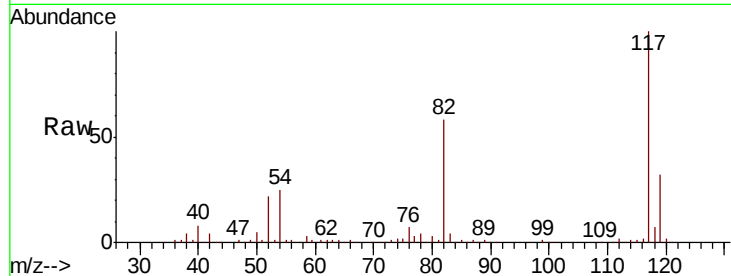




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

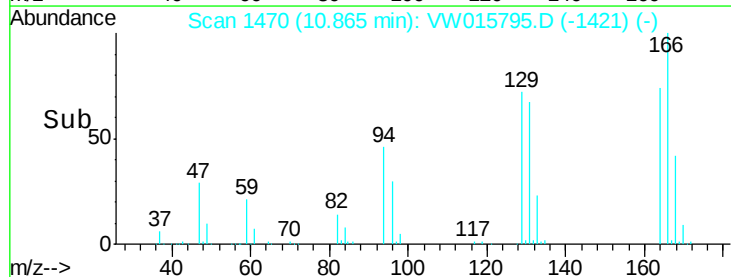
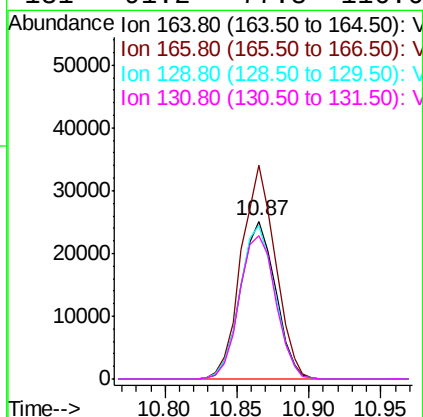
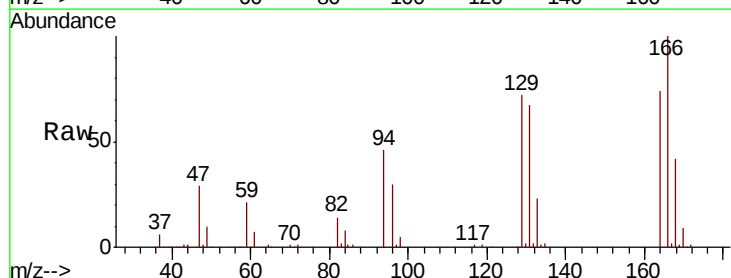
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

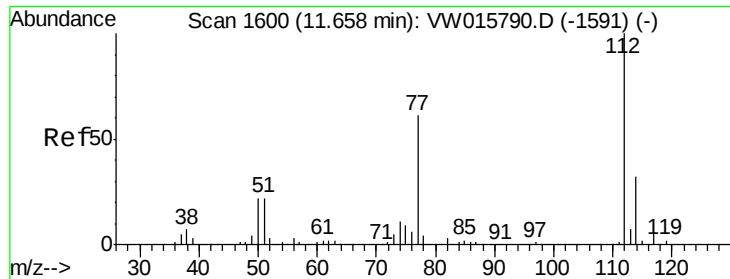
Tot Ion:117 Resp: 318188
Ion Ratio Lower Upper
117 100
82 58.4 45.5 68.3
119 31.7 25.0 37.6



#64
Tetrachloroethene
Concen: 21.110 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion:164 Resp: 42507
Ion Ratio Lower Upper
164 100
166 135.6 105.1 157.7
129 97.7 80.6 121.0
131 91.2 77.8 116.6

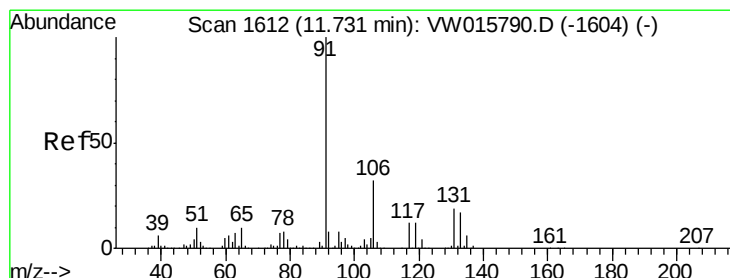
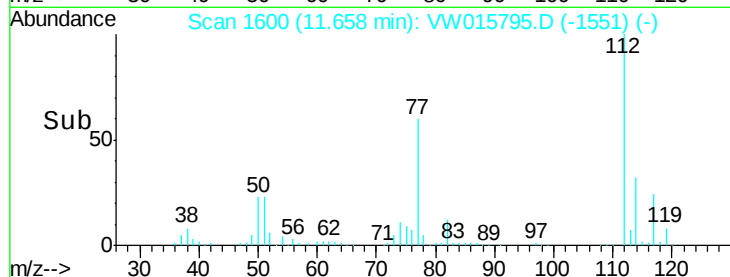
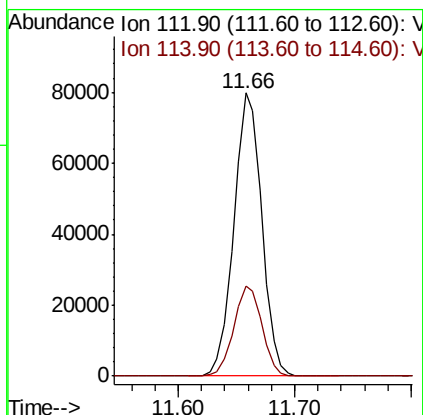
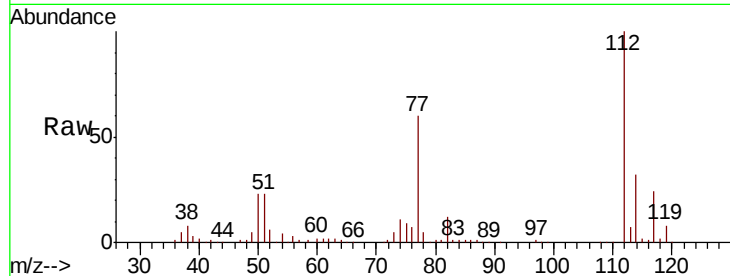




#65
Chlorobenzene
Concen: 21.347 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

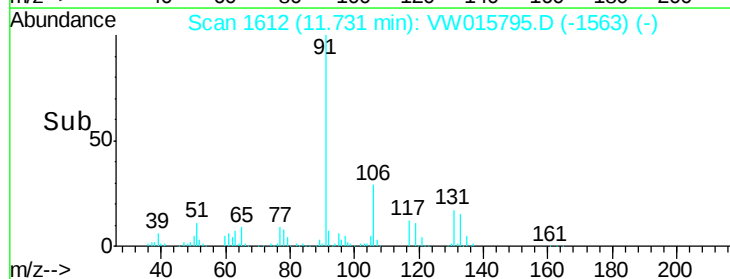
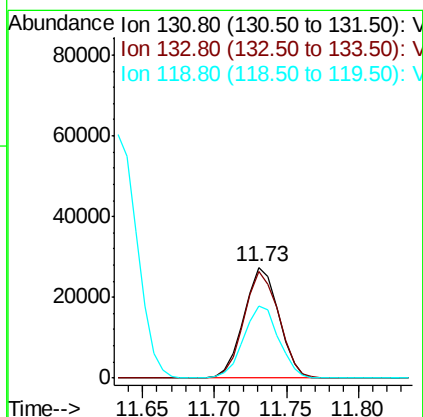
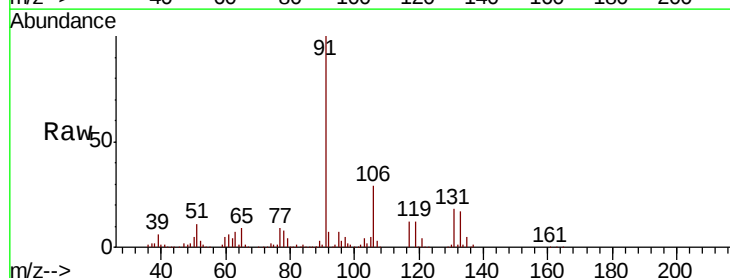
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

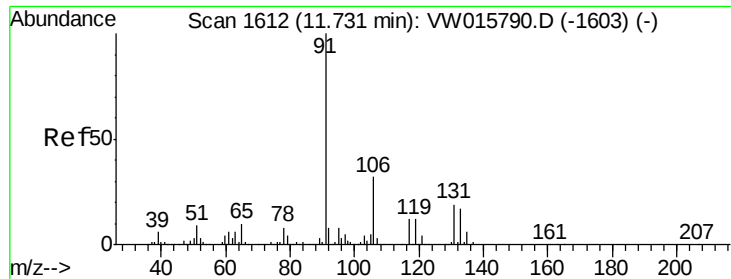
Tot Ion:112 Resp: 132833
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.941 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion:131 Resp: 46113
Ion Ratio Lower Upper
131 100
133 95.9 47.0 141.2
119 65.3 32.3 96.8

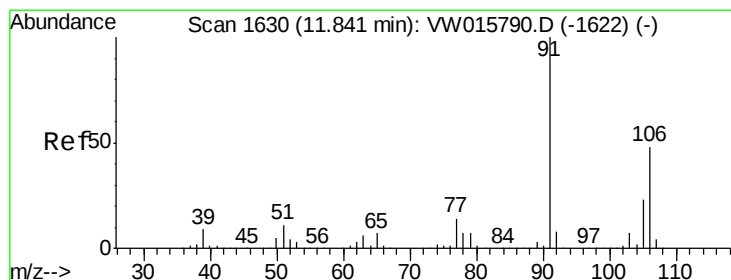
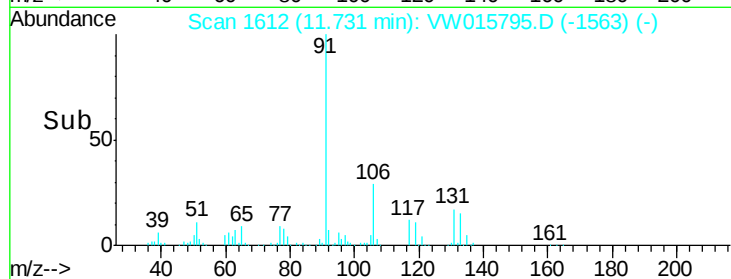
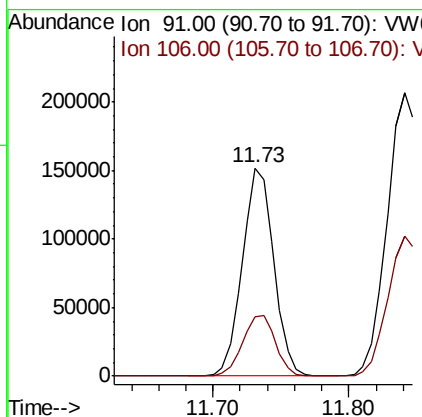
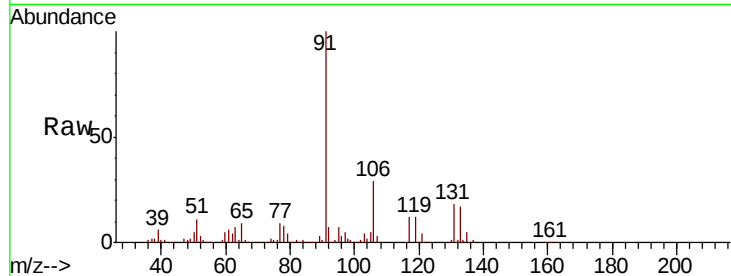




#67
Ethyl Benzene
Concen: 21.331 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

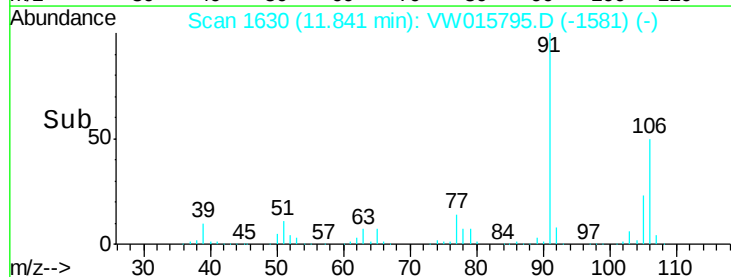
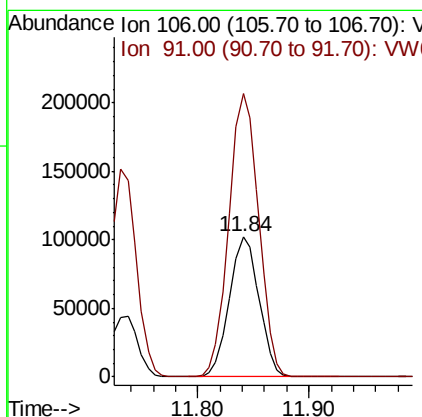
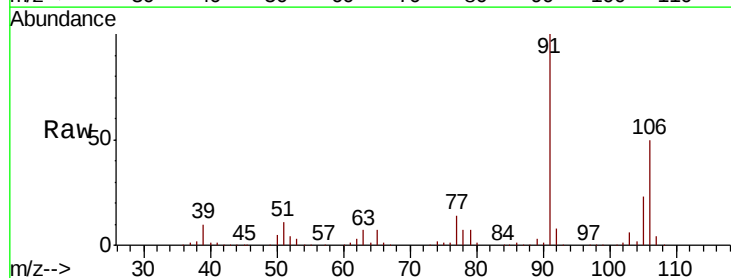
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

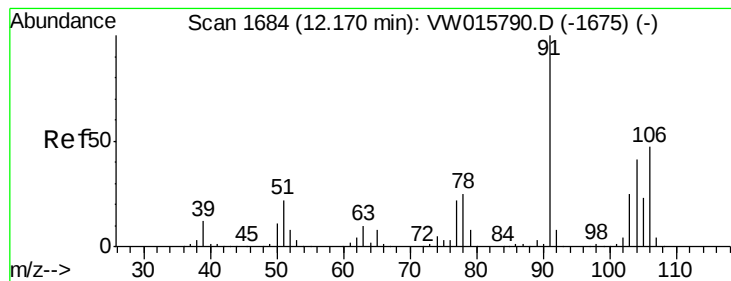
Tot Ion: 91 Resp: 245804
Ion Ratio Lower Upper
91 100
106 28.8 25.8 38.8



#68
m/p-Xylenes
Concen: 43.632 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 106 Resp: 188871
Ion Ratio Lower Upper
106 100
91 203.2 164.1 246.1





#69

o-Xylene

Concen: 21.447 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

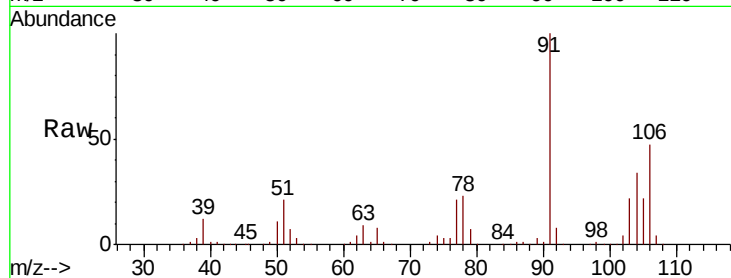
VW0707SBS01

Tot Ion:106 Resp: 84742

Ion Ratio Lower Upper

106 100

91 217.1 108.5 325.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

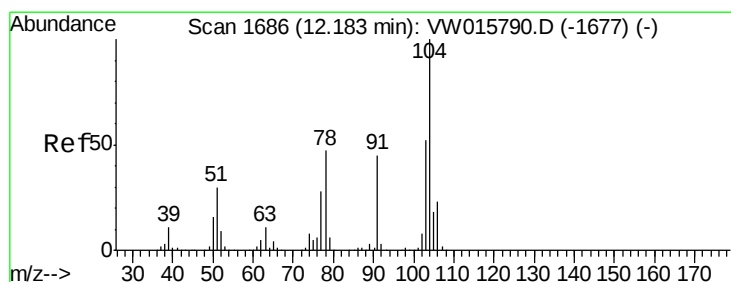
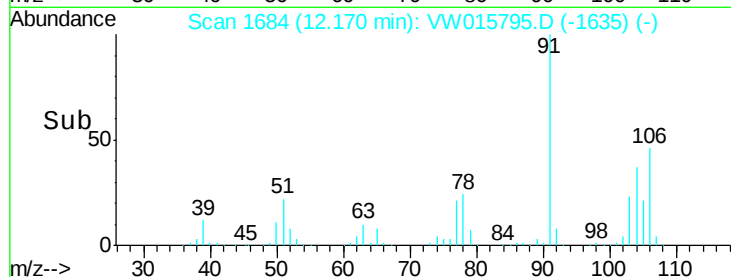
100000

50000

0

12.10 12.20

Time-->



#70

Styrene

Concen: 21.634 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

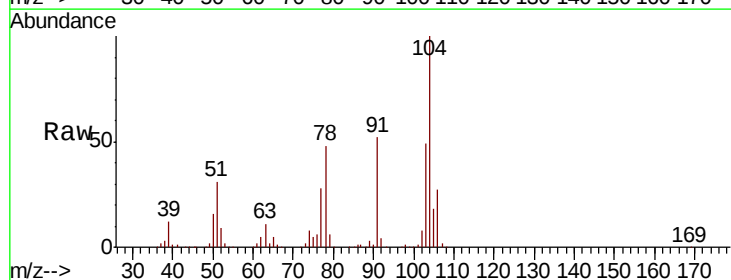
Tgt Ion:104 Resp: 147086

Ion Ratio Lower Upper

104 100

78 51.3 41.0 61.4

103 53.2 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

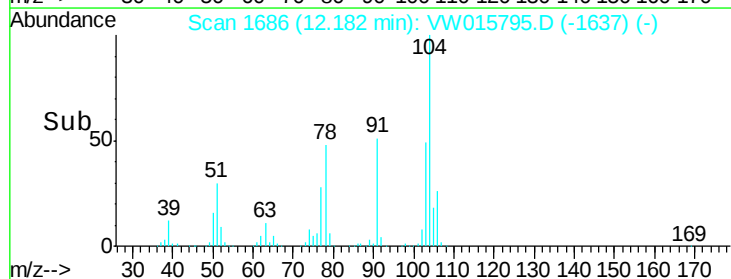
40000

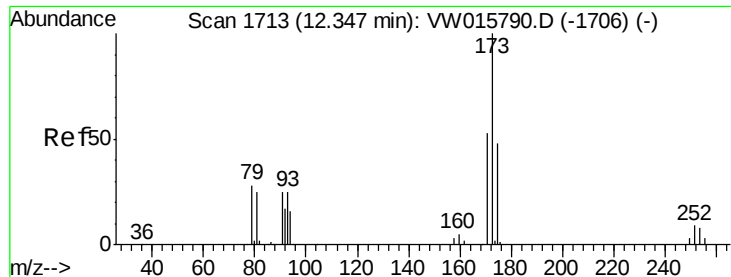
20000

0

12.10 12.20

Time-->





#71

Bromoform

Concen: 19.757 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

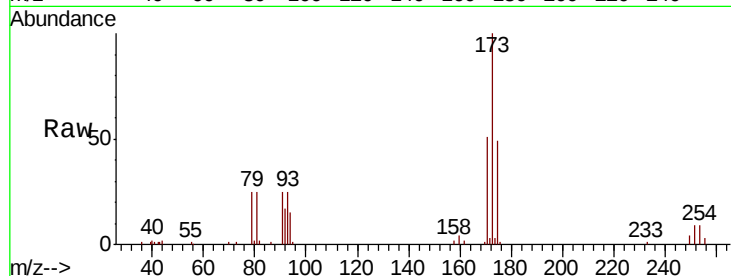
Tot Ion:173 Resp: 19858

Ion Ratio Lower Upper

173 100

175 49.2 23.5 70.5

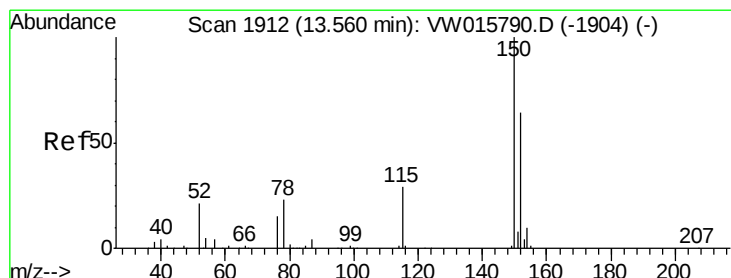
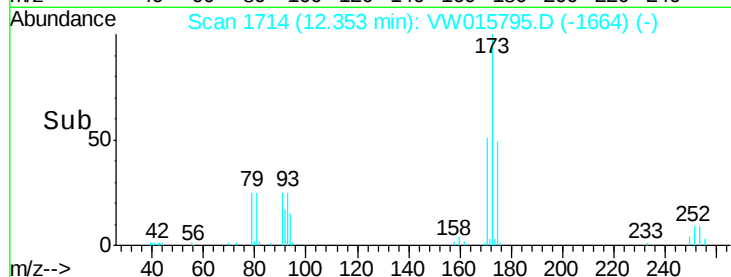
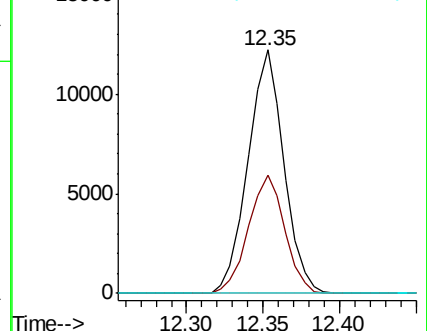
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

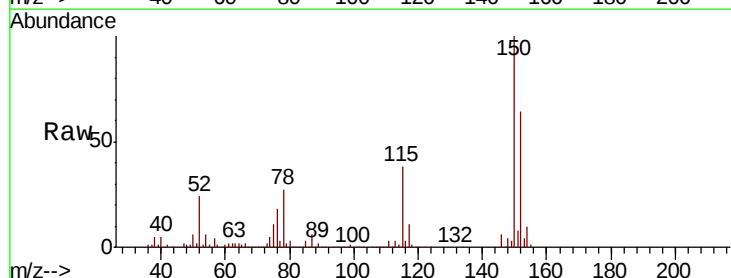
Tgt Ion:152 Resp: 159316

Ion Ratio Lower Upper

152 100

115 59.4 29.9 89.7

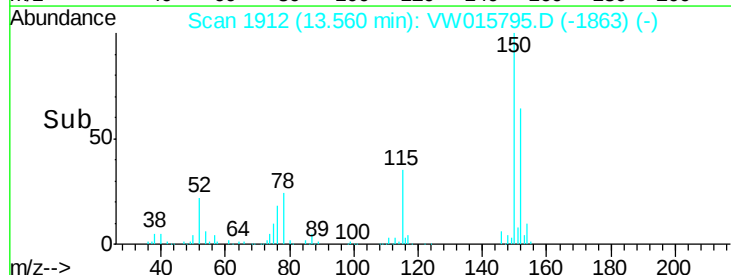
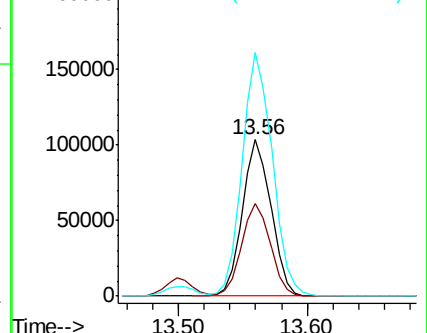
150 163.8 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.176 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

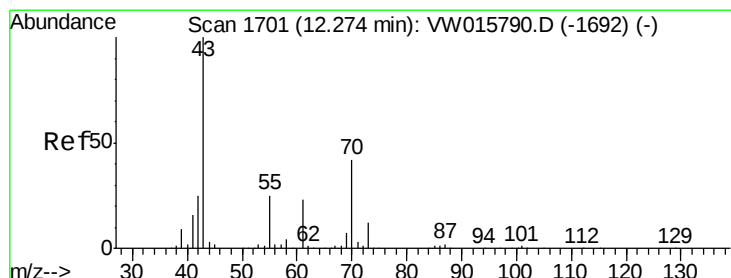
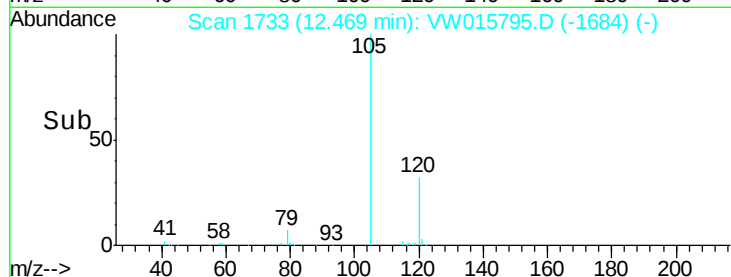
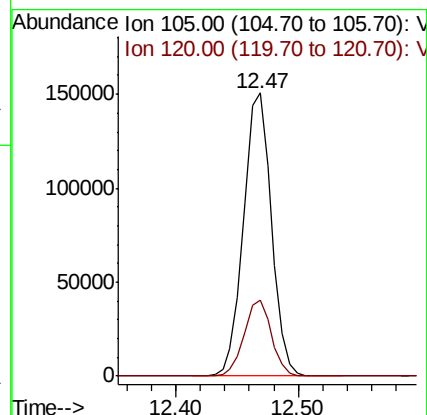
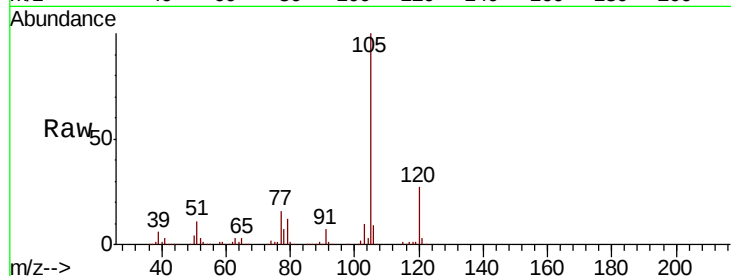
VW0707SBS01

Tot Ion:105 Resp: 237669

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 20.469 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Tgt Ion: 43 Resp: 49150

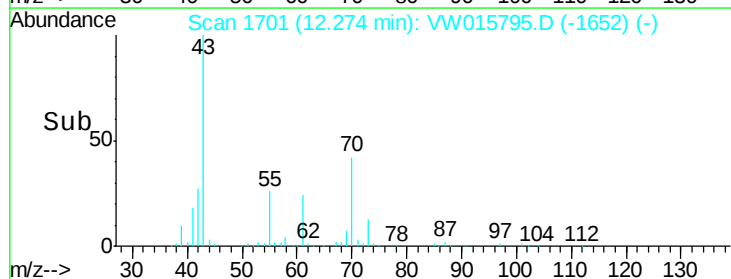
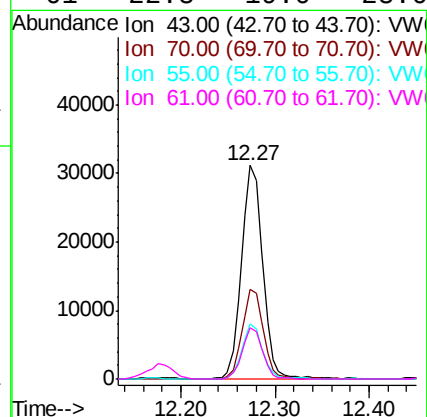
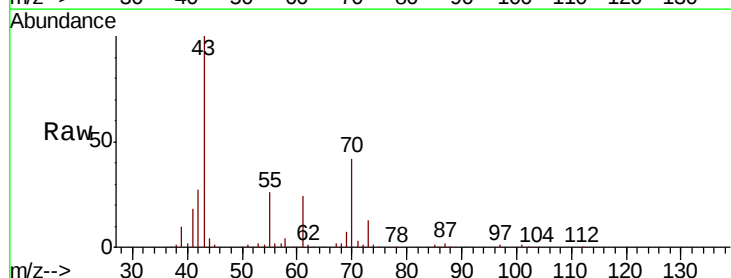
Ion Ratio Lower Upper

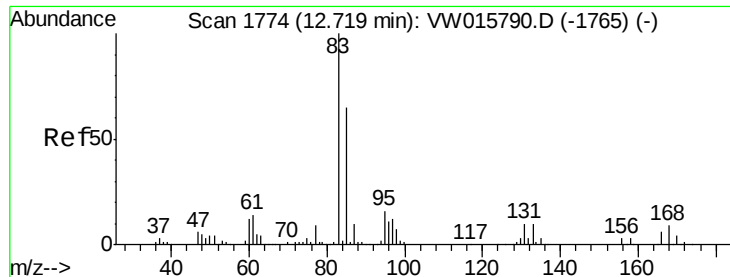
43 100

70 41.3 34.1 51.1

55 25.4 20.0 30.0

61 22.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.799 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

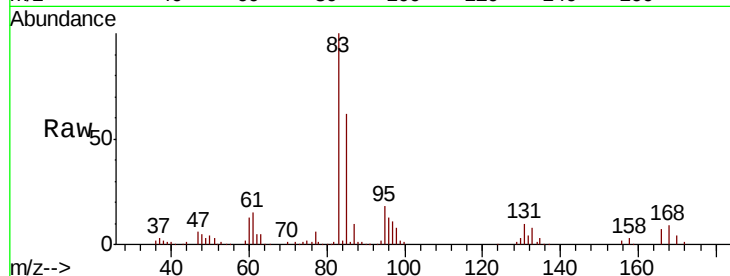
Tot Ion: 83 Resp: 38788

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

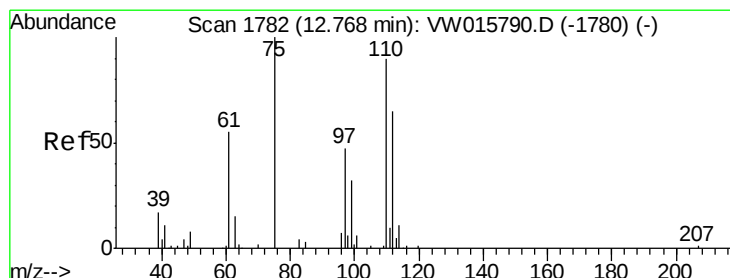
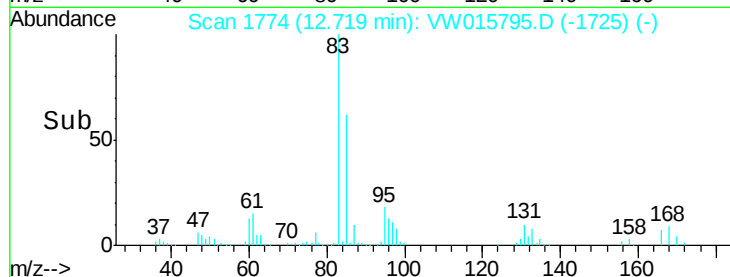
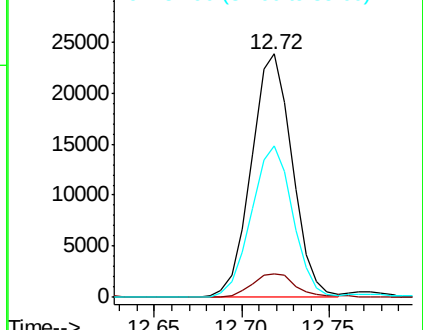
85 62.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.511 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015795.D

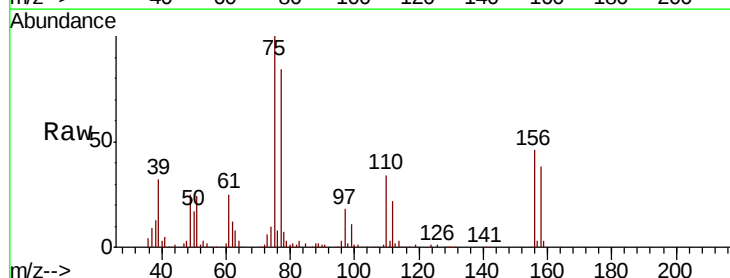
Acq: 07 Jul 2020 17:18

Tgt Ion: 75 Resp: 49722

Ion Ratio Lower Upper

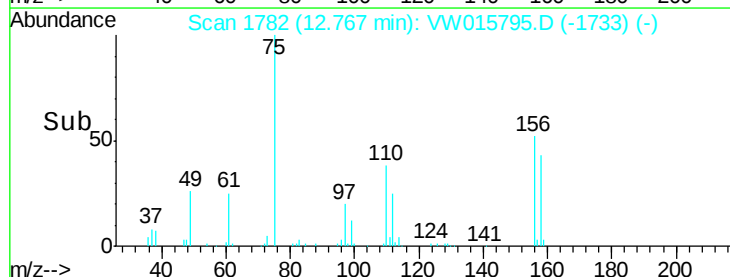
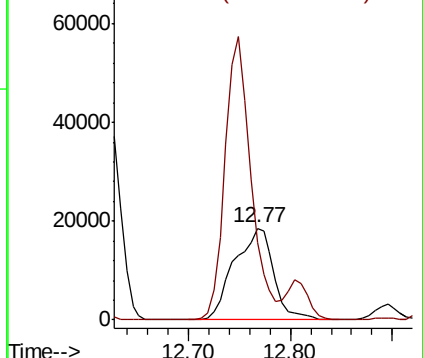
75 100

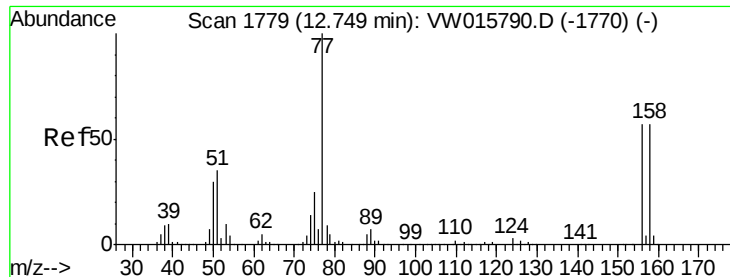
77 203.5 177.3 532.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.920 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

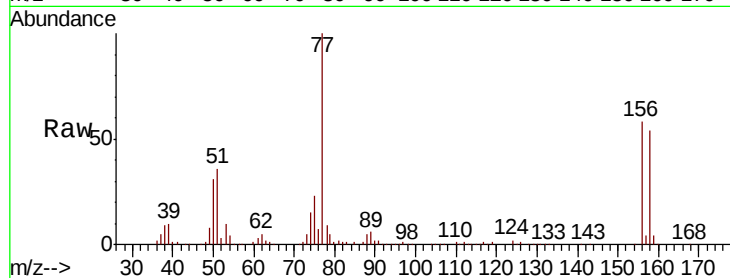
Tot Ion:156 Resp: 52648

Ion Ratio Lower Upper

156 100

77 192.2 98.8 296.4

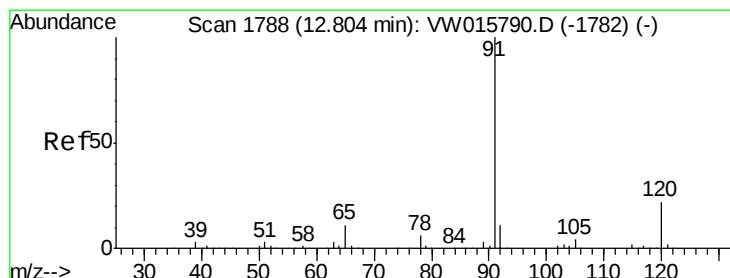
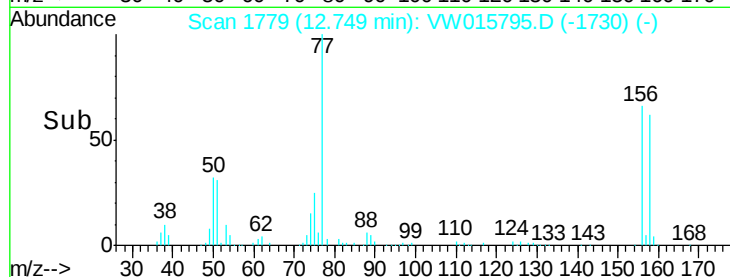
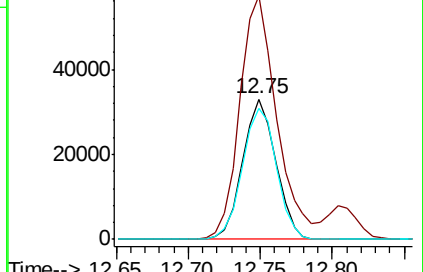
158 96.0 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.348 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015795.D

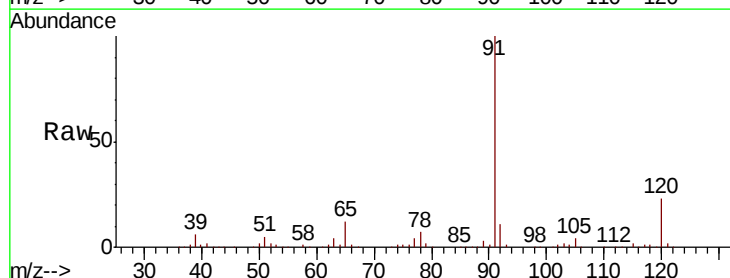
Acq: 07 Jul 2020 17:18

Tgt Ion: 91 Resp: 290825

Ion Ratio Lower Upper

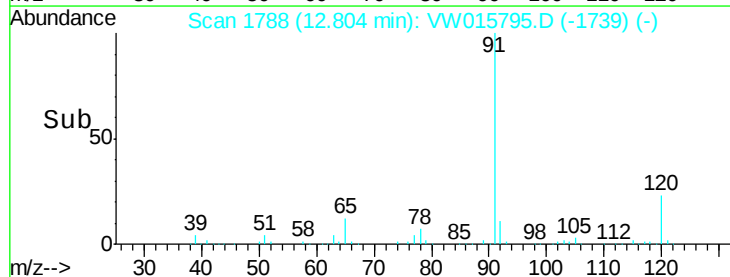
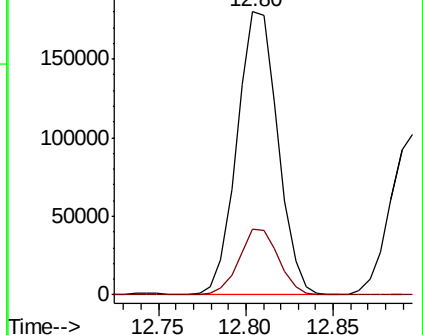
91 100

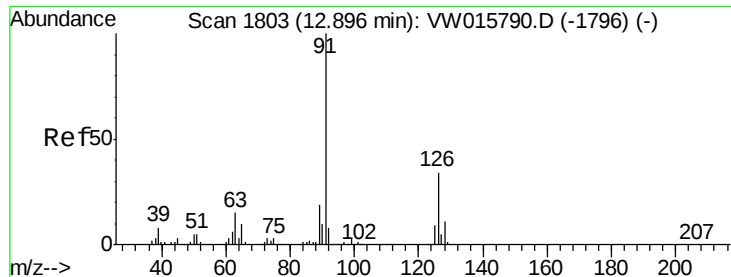
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.456 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

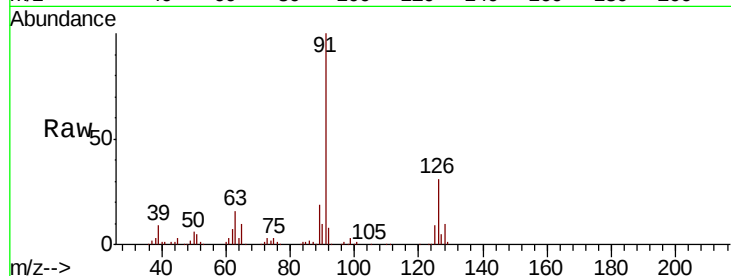
VW0707SBS01

Tot Ion: 91 Resp: 166690

Ion Ratio Lower Upper

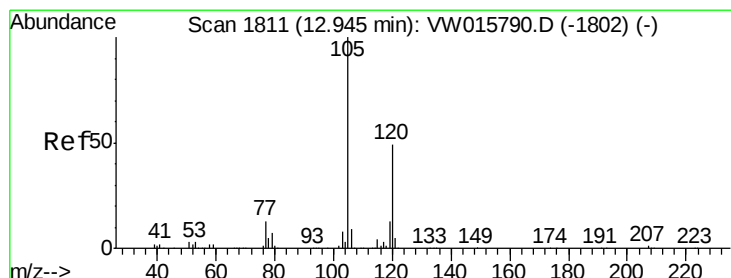
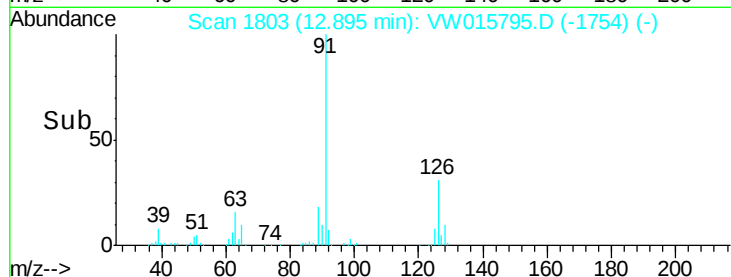
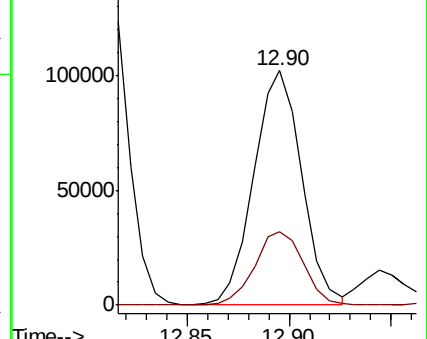
91 100

126 31.9 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.568 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015795.D

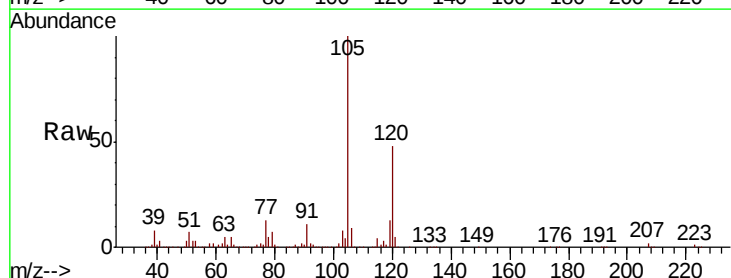
Acq: 07 Jul 2020 17:18

Tgt Ion:105 Resp: 206319

Ion Ratio Lower Upper

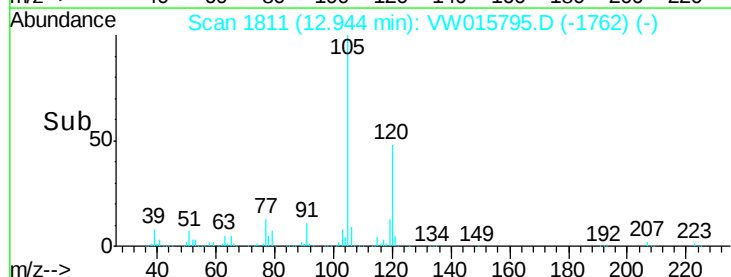
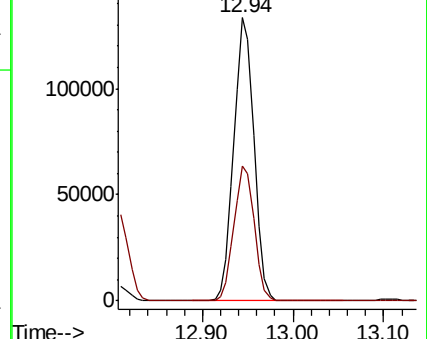
105 100

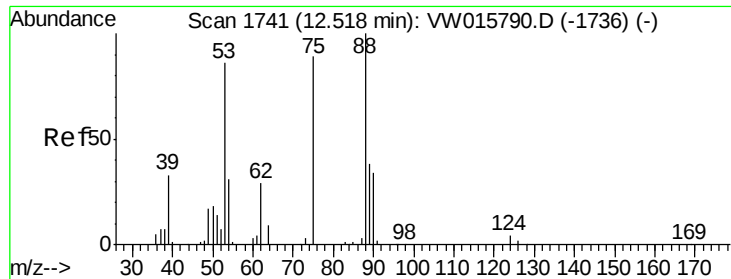
120 48.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.433 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

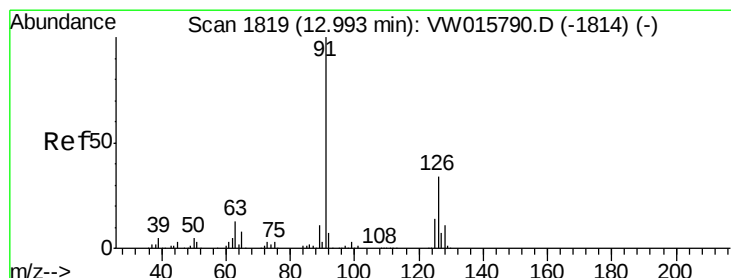
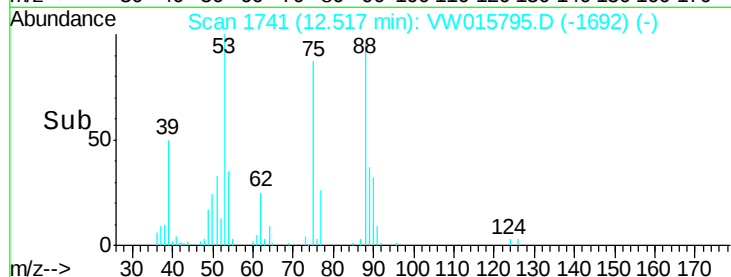
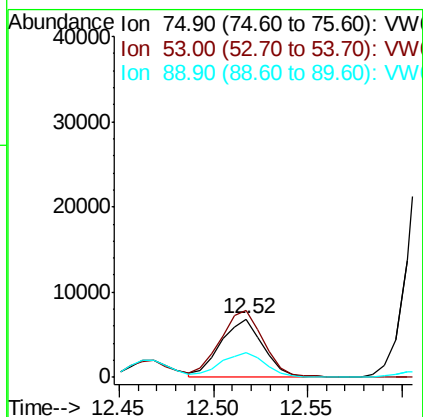
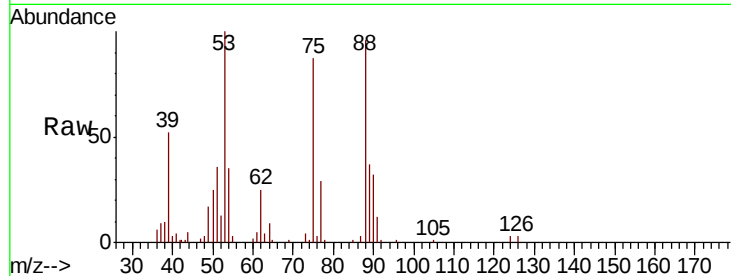
Tot Ion: 75 Resp: 10483

Ion Ratio Lower Upper

75 100

53 119.7 85.9 128.9

89 45.4 36.2 54.4



#82

4-Chlorotoluene

Concen: 21.136 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW015795.D

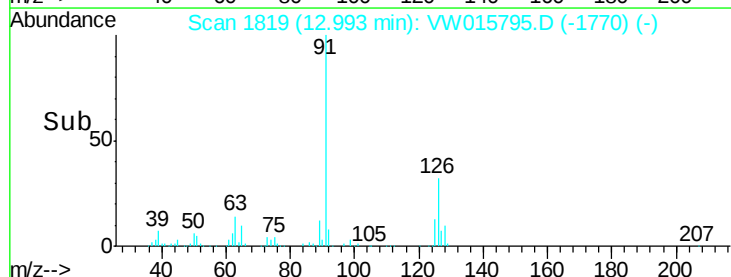
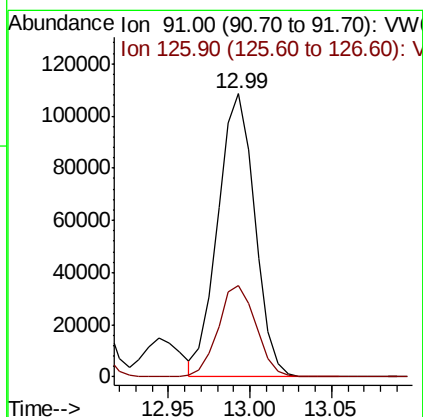
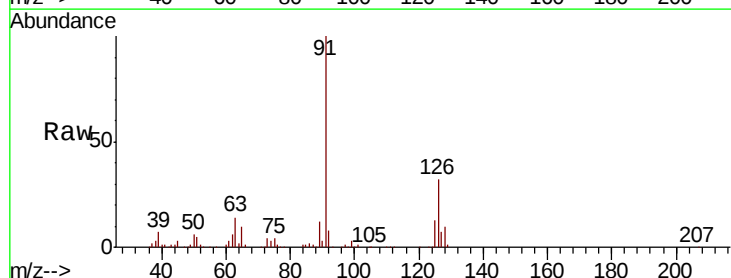
Acq: 07 Jul 2020 17:18

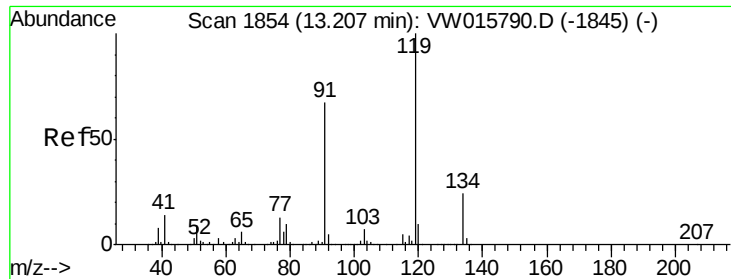
Tgt Ion: 91 Resp: 171472

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9

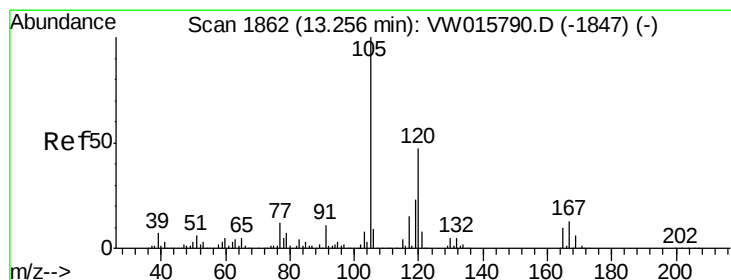
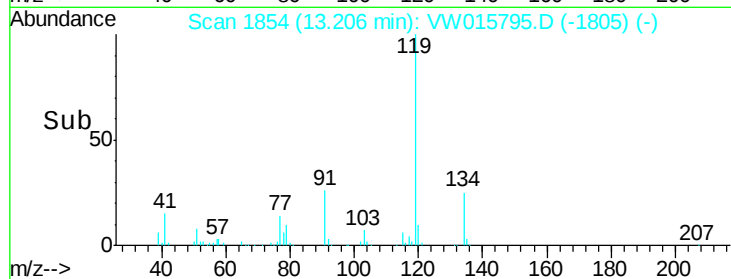
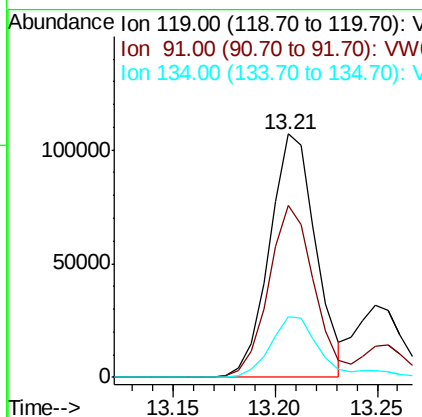
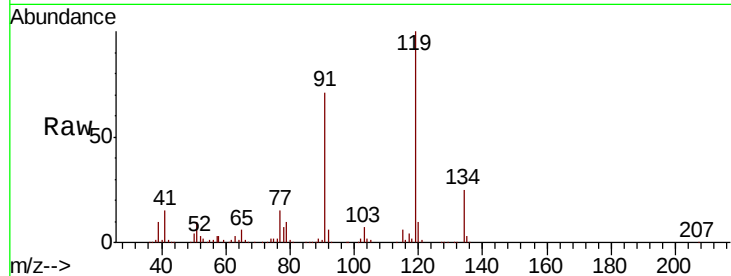




#83
tert-Butylbenzene
Concen: 21.271 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

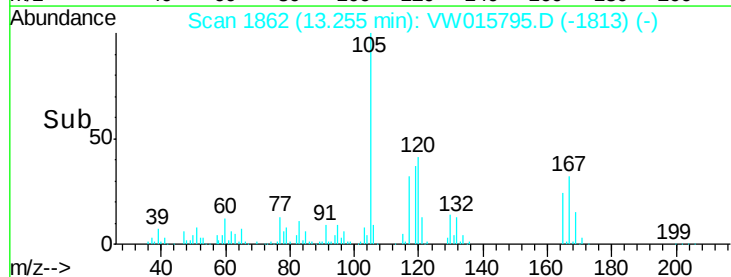
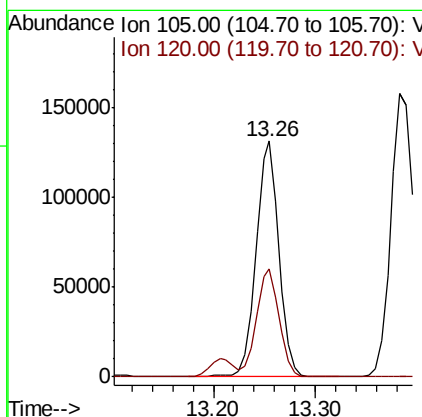
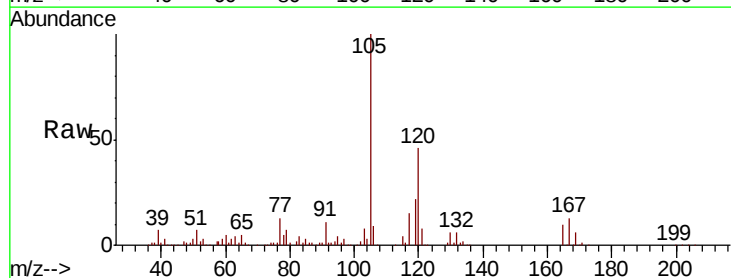
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

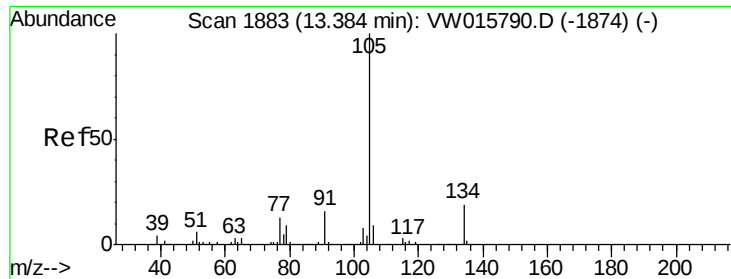
Tot Ion:119 Resp: 168924
Ion Ratio Lower Upper
119 100
91 69.8 34.4 103.3
134 27.4 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.520 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion:105 Resp: 205583
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.4

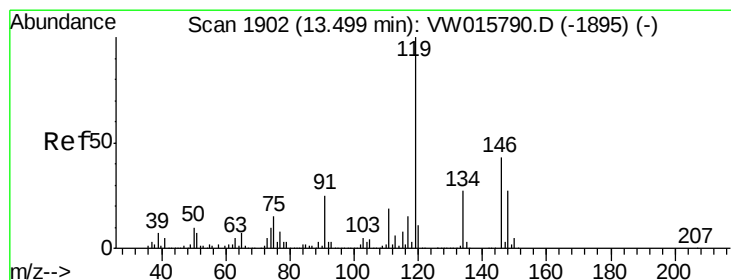
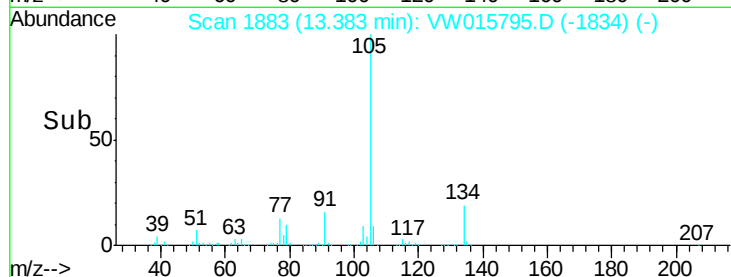
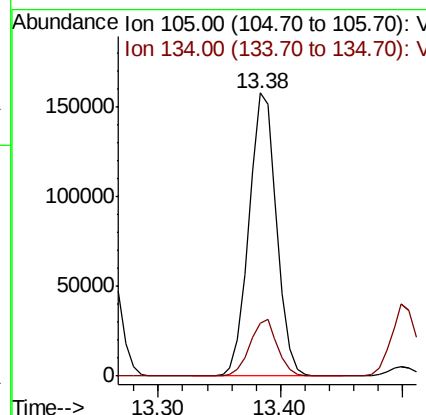
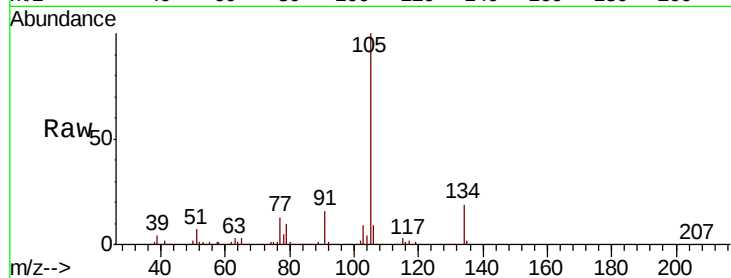




#85
 sec-Butylbenzene
 Concen: 21.520 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

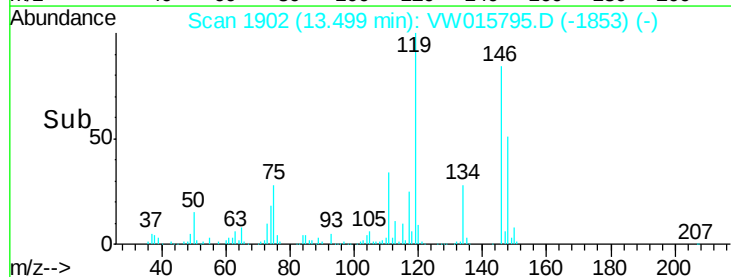
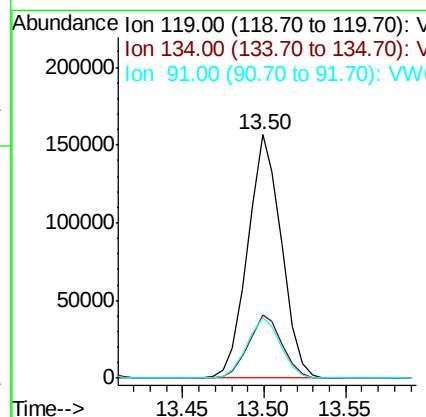
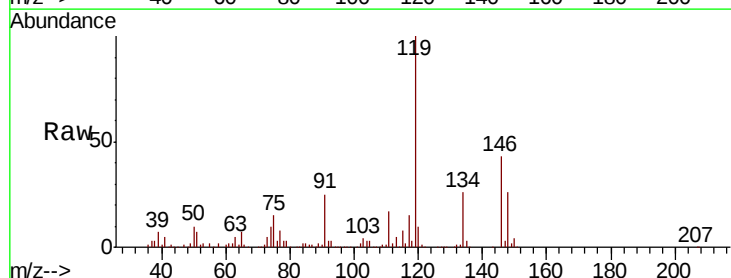
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

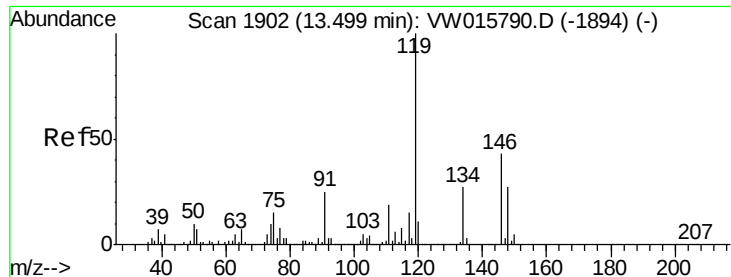
Tot Ion:105 Resp: 246820
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 21.446 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion:119 Resp: 224607
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 24.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 21.328 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

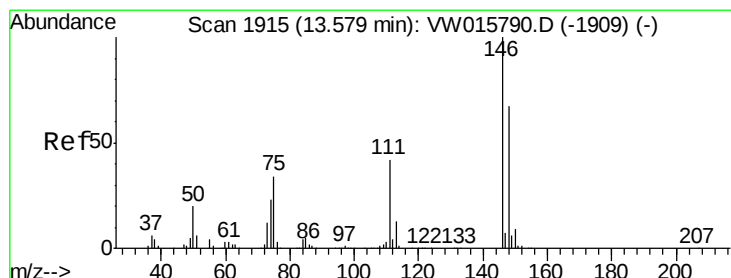
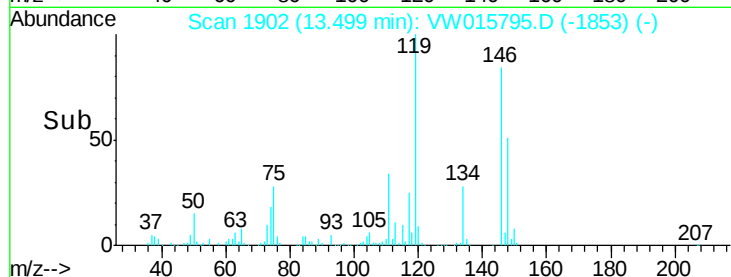
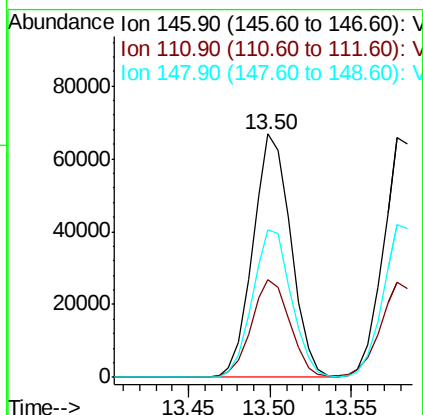
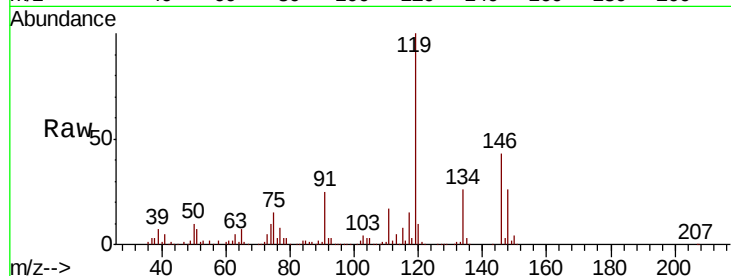
Tot Ion:146 Resp: 107595

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.4

148 62.0 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 21.321 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

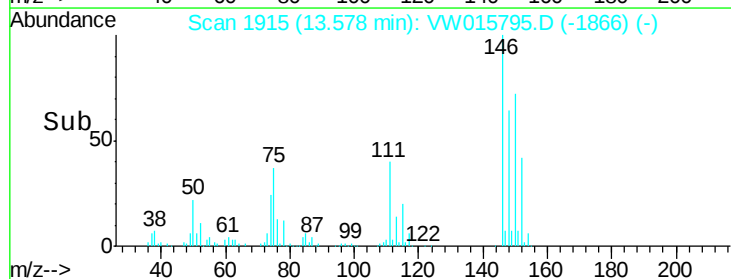
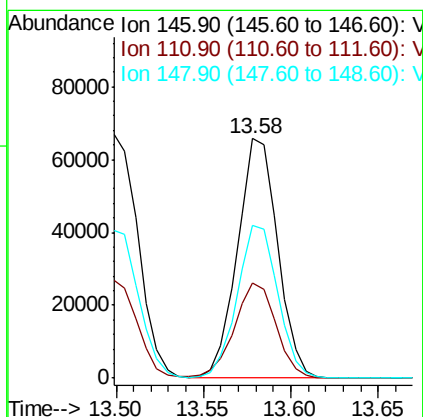
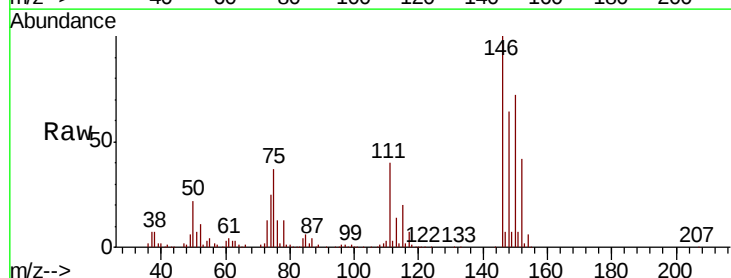
Tgt Ion:146 Resp: 105298

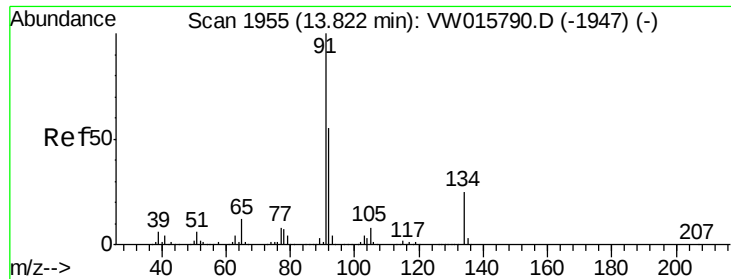
Ion Ratio Lower Upper

146 100

111 41.4 20.2 60.6

148 64.5 31.8 95.4

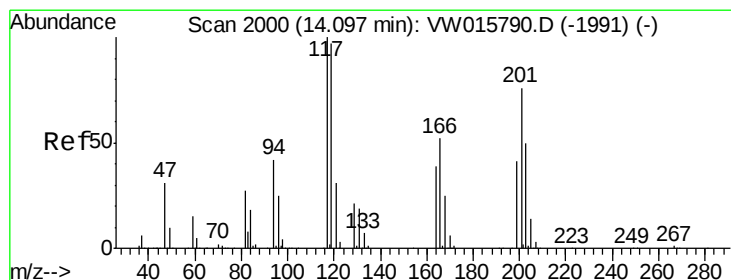
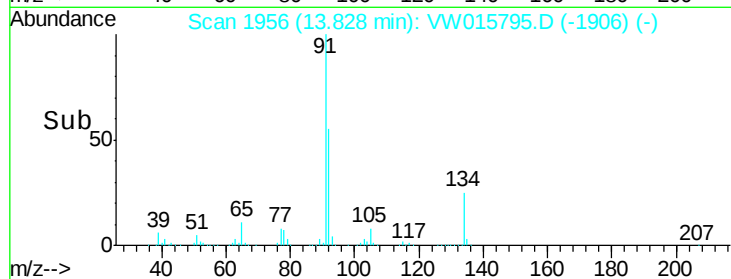
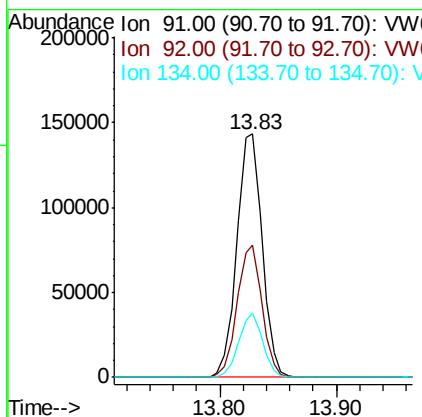
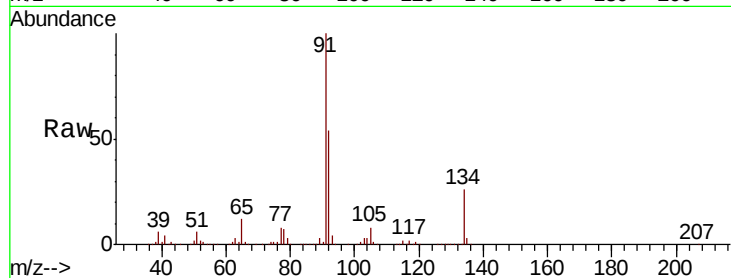




#89
n-Butylbenzene
Concen: 21.735 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

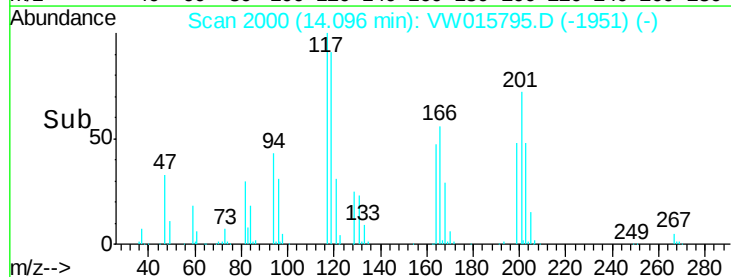
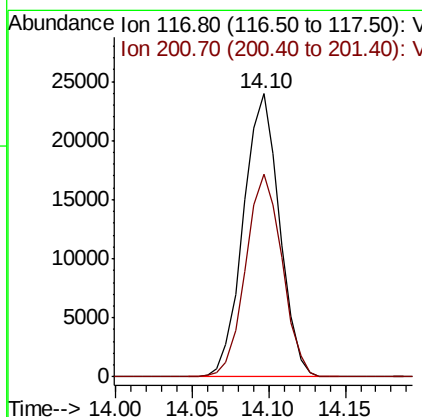
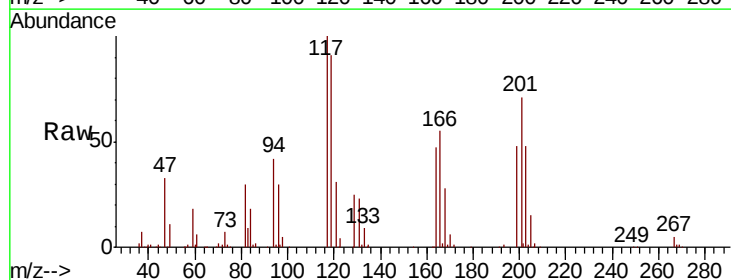
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

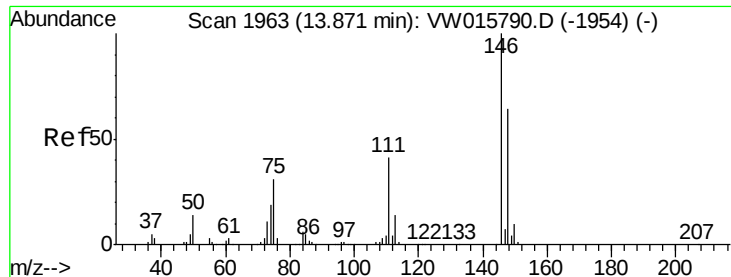
Tot Ion: 91 Resp: 217842
Ion Ratio Lower Upper
91 100
92 53.1 27.2 81.6
134 24.9 12.7 38.1



#90
Hexachloroethane
Concen: 20.733 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion: 117 Resp: 39357
Ion Ratio Lower Upper
117 100
201 72.3 37.1 111.3





#91

1,2-Dichlorobenzene

Concen: 20.871 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBS01

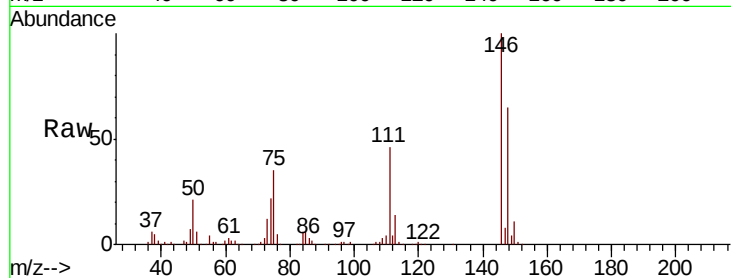
Tot Ion:146 Resp: 91220

Ion Ratio Lower Upper

146 100

111 43.6 20.6 61.9

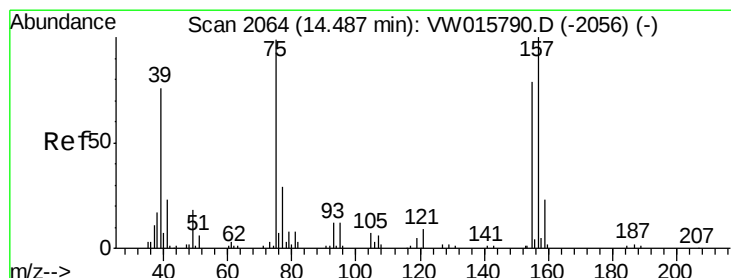
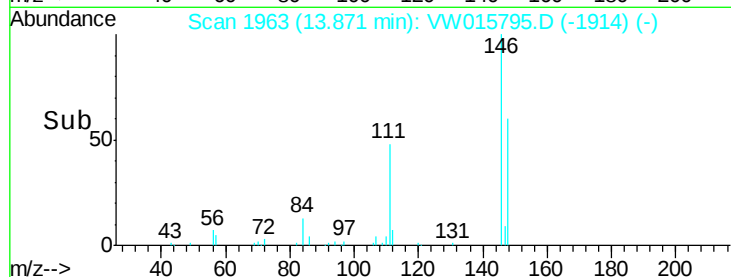
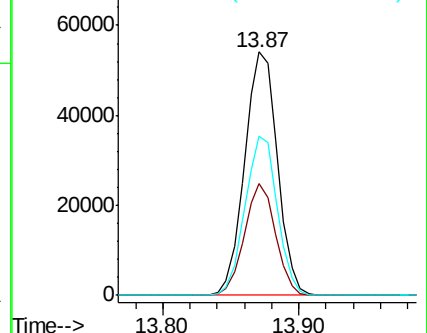
148 64.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.646 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015795.D

Acq: 07 Jul 2020 17:18

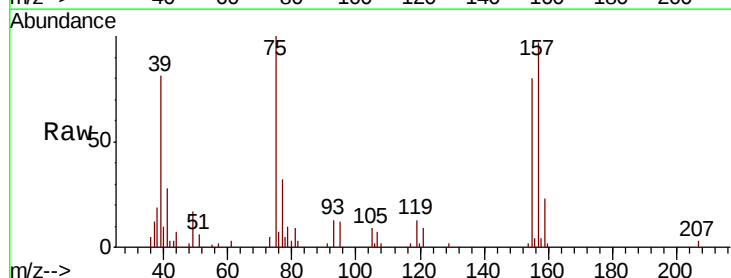
Tgt Ion: 75 Resp: 6152

Ion Ratio Lower Upper

75 100

155 73.4 39.1 117.5

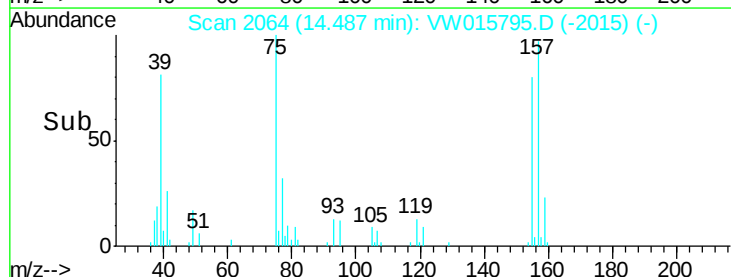
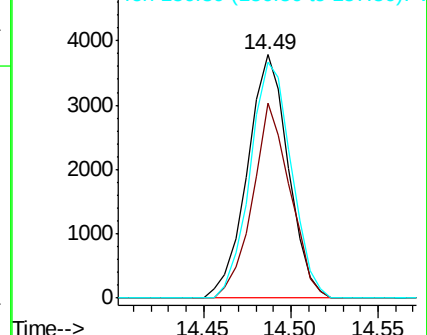
157 97.4 49.1 147.4

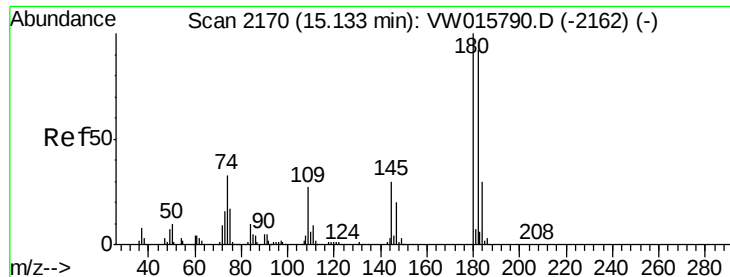


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

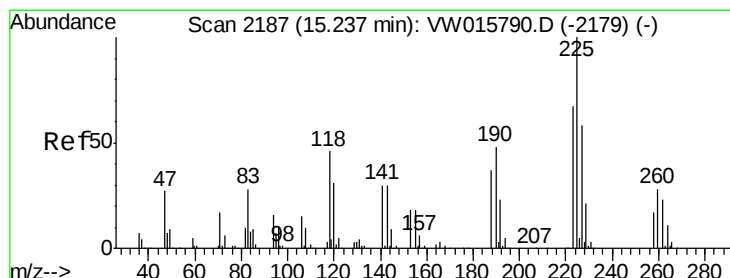
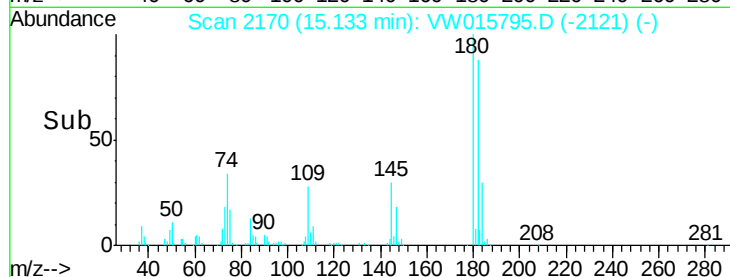
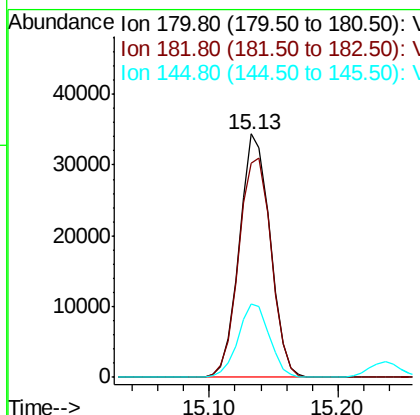
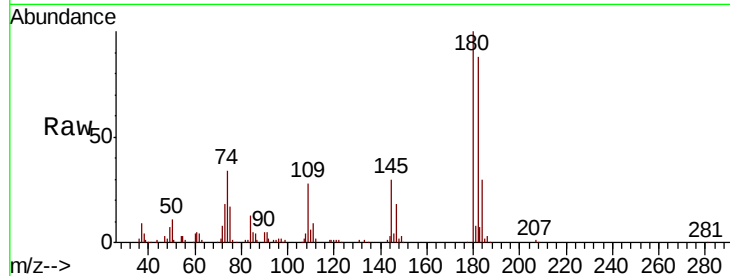




#93
 1,2,4-Trichlorobenzene
 Concen: 20.637 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

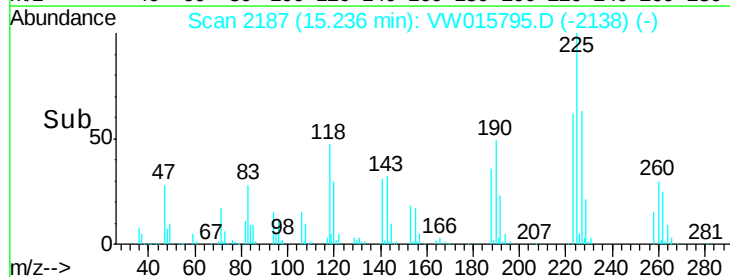
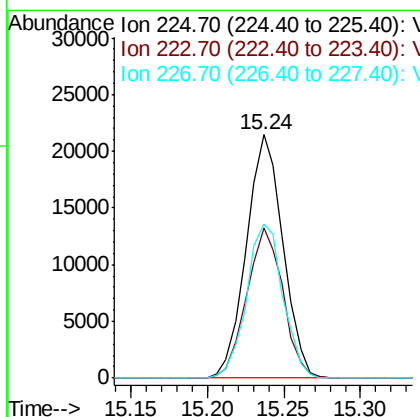
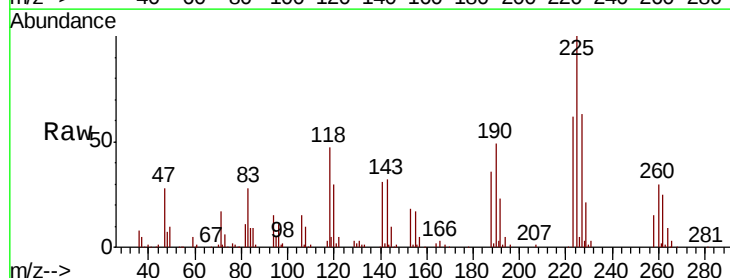
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBS01

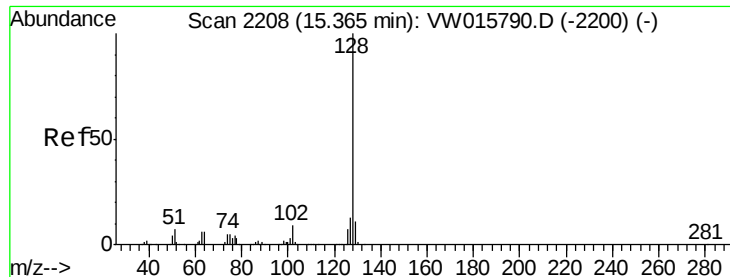
Tot Ion:180 Resp: 56864
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.8 140.3
 145 30.5 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 20.375 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015795.D
 Acq: 07 Jul 2020 17:18

Tgt Ion:225 Resp: 35645
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.4 97.2
 227 63.0 30.7 92.1

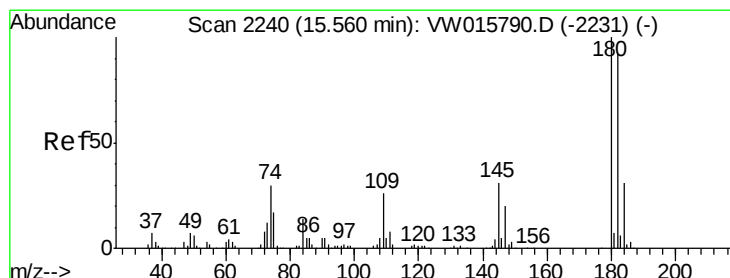
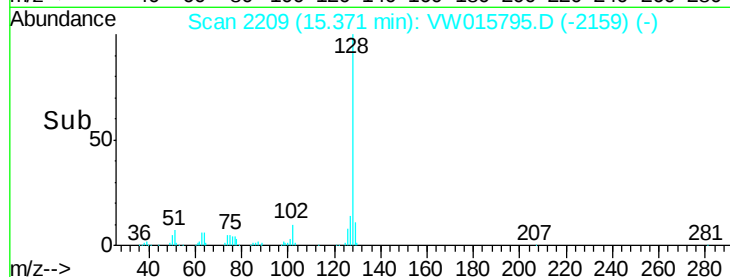
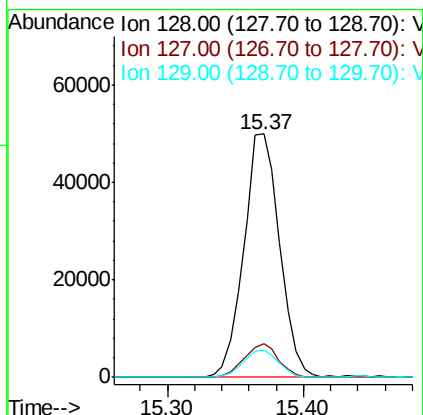
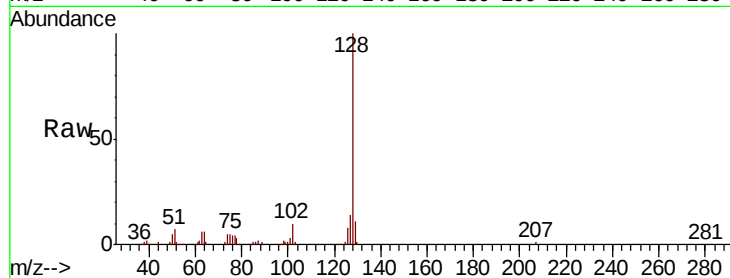




#95
Naphthalene
Concen: 19.708 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Instrument :
MSVOA_W
ClientSampleId :
VW0707SBS01

Tot Ion:128 Resp: 92146
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.769 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW015795.D
Acq: 07 Jul 2020 17:18

Tgt Ion:180 Resp: 48696
Ion Ratio Lower Upper
180 100
182 93.6 47.7 143.1
145 32.2 16.7 50.0

