

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\
 Data File : VV017793.D
 Acq On : 03 Aug 2020 13:38
 Operator : SY/MD
 Sample : K4649-08MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Quant Time: Aug 04 01:50:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 04 01:48:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	164298	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158069	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	89070	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37079	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	36578	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.12	63	87364	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	3.96	46	104299	49.39	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.78%
24) Chloroform-d	4.38	84	111023	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.06	65	63070	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.07	84	179083	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.09	67	48122	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.34	98	164744	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.64	79	23942	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.11	63	78576	45.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.26%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	37795	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
66) 1,2-Dichlorobenzene-d4	11.65	152	75574	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	73387	3.919	ug/L 99
3) Chloromethane	1.25	50	50642	4.724	ug/L 100
5) Vinyl chloride	1.32	62	53835	4.909	ug/L 97
6) Bromomethane	1.53	94	37620	5.740	ug/L 91
8) Chloroethane	1.59	64	32938	5.527	ug/L 95
9) Trichlorofluoromethane	1.76	101	108788	5.800	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47744	5.859	ug/L 97
12) 1,1-Dichloroethene	2.13	96	47383	6.278	ug/L 90
13) Acetone	2.24	43	35965	30.945	ug/L 95
14) Carbon disulfide	2.31	76	130650	6.199	ug/L 100
15) Methyl Acetate	2.46	43	14746	6.174	ug/L 96
16) Methylene chloride	2.52	84	61652	7.965	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	115736	4.877	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	50704	4.662	ug/L 97
19) 1,1-Dichloroethane	3.21	63	90948	4.676	ug/L 98
21) 2-Butanone	4.05	43	100534	43.841	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	56887	4.912	ug/L 90

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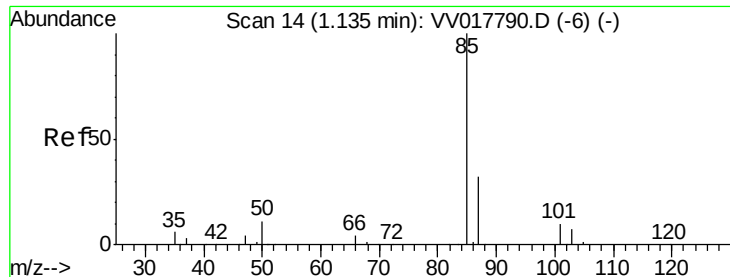
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	25664	5.053	ug/L	90
25) Chloroform	4.40	83	109704	4.498	ug/L	100
27) 1,2-Dichloroethane	5.16	62	72802	5.409	ug/L #	94
29) 1,1,1-Trichloroethane	4.63	97	108129	5.534	ug/L	99
30) Cyclohexane	4.69	56	70149	4.197	ug/L	97
31) Carbon tetrachloride	4.85	117	100927	5.740	ug/L	97
33) Benzene	5.12	78	202095	4.707	ug/L	100
34) Trichloroethene	5.94	95	60164	4.913	ug/L	95
35) Methylcyclohexane	6.15	83	79697	4.154	ug/L	99
37) 1,2-Dichloropropane	6.20	63	45620	4.592	ug/L #	95
38) Bromodichloromethane	6.53	83	75213	5.362	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	76663	4.922	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	237546	42.392	ug/L	99
42) Toluene	7.41	91	231550	4.850	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	67908	5.392	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	35427	4.676	ug/L	99
47) Tetrachloroethene	8.00	164	52301	4.888	ug/L	97
48) 2-Hexanone	8.16	43	176292	44.516	ug/L	97
49) Dibromochloromethane	8.27	129	49509	5.330	ug/L	97
50) 1,2-Dibromoethane	8.38	107	32138	4.538	ug/L #	98
51) Chlorobenzene	8.90	112	152960	4.792	ug/L	99
52) Ethylbenzene	9.03	91	261181	4.794	ug/L	99
53) m,p-xylene	9.16	106	102853	4.960	ug/L	96
54) o-xylene	9.56	106	96792	4.931	ug/L	94
55) Styrene	9.58	104	169443	5.124	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	35368	4.350	ug/L	97
59) Bromoform	9.75	173	28328	5.261	ug/L	100
60) Isopropylbenzene	9.95	105	273944	4.814	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	29847	4.598	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	231539	4.928	ug/L	97
63) 1,2,4-Trimethylbenzene	10.94	105	239563	5.131	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	138064	4.869	ug/L	97
65) 1,4-Dichlorobenzene	11.29	146	134284	4.647	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	125378	4.866	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	7880	5.887	ug/L	88
69) 1,3,5-Trichlorobenzene	12.67	180	112230	4.787	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	91814	4.949	ug/L	100
71) Naphthalene	13.53	128	127174	4.941	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	81825	4.976	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.919 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

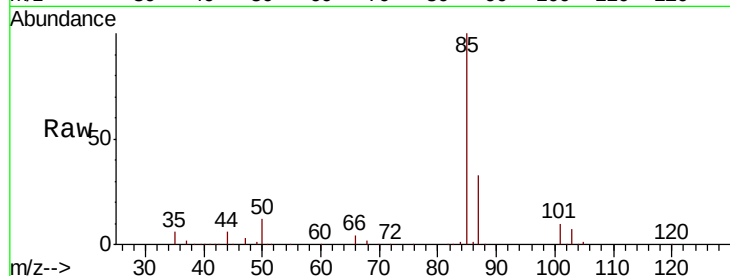
A5169MSD

Tot Ion: 85 Resp: 73387

Ion Ratio Lower Upper

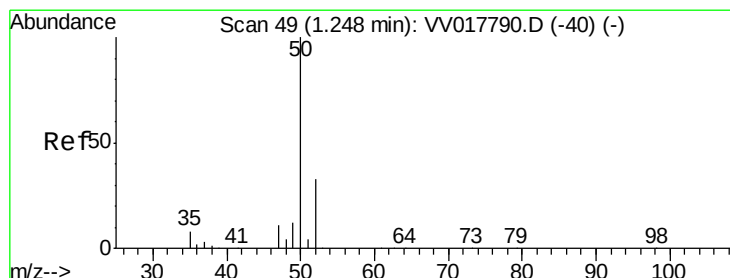
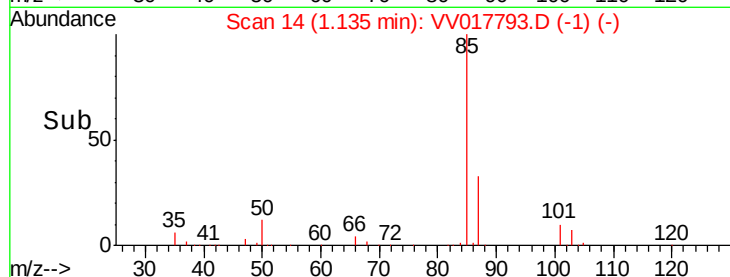
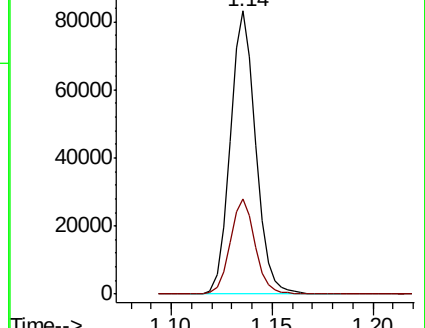
85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017793.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017793.D (-6) (-)



#3

Chloromethane

Concen: 4.724 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017793.D

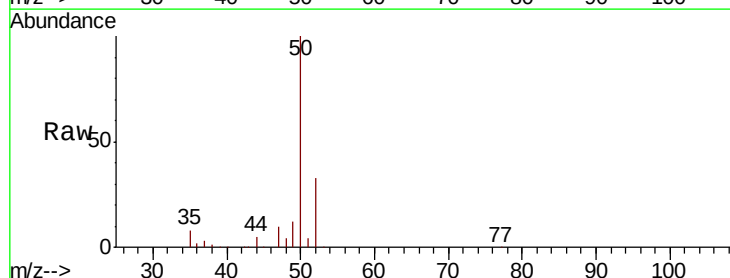
Acq: 03 Aug 2020 13:38

Tgt Ion: 50 Resp: 50642

Ion Ratio Lower Upper

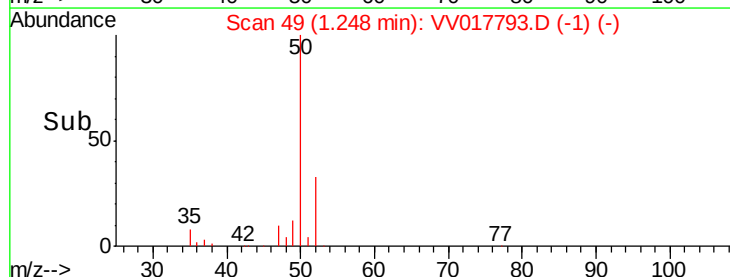
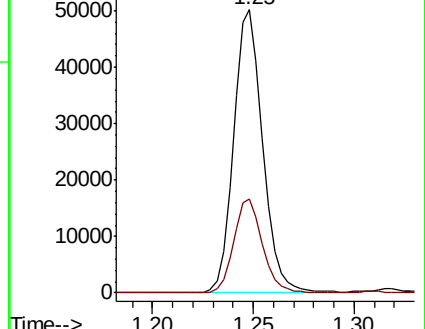
50 100

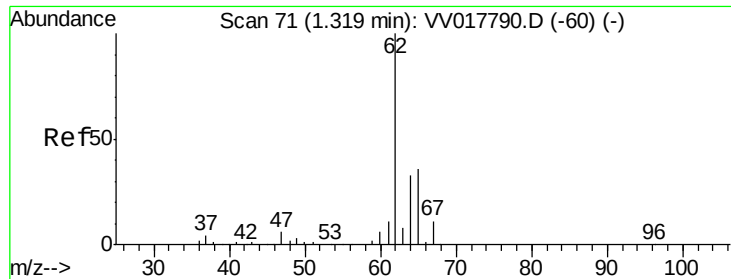
52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV017793.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017793.D (-1) (-)





#5

Vinyl chloride

Concen: 4.909 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

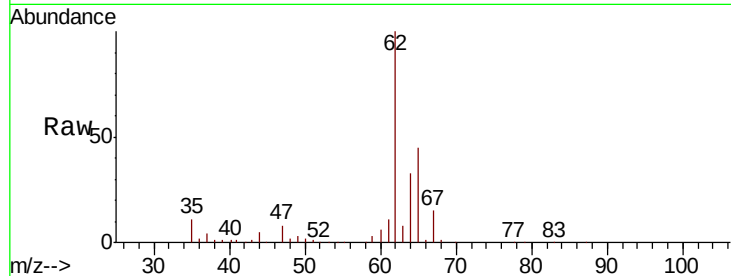
A5169MSD

Tot Ion: 62 Resp: 53835

Ion Ratio Lower Upper

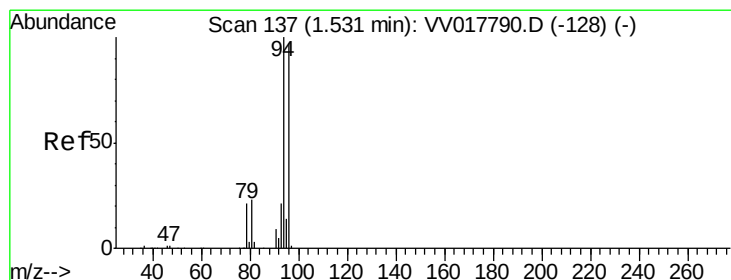
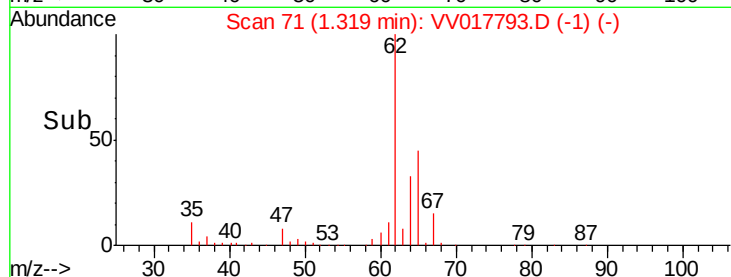
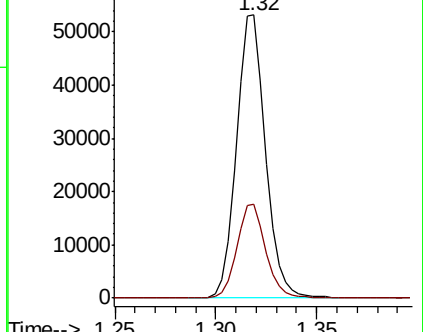
62 100

64 33.1 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV017790.D (-60) (-)

Ion 64.10 (63.80 to 64.80): VV017793.D (-1) (-)



#6

Bromomethane

Concen: 5.740 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017793.D

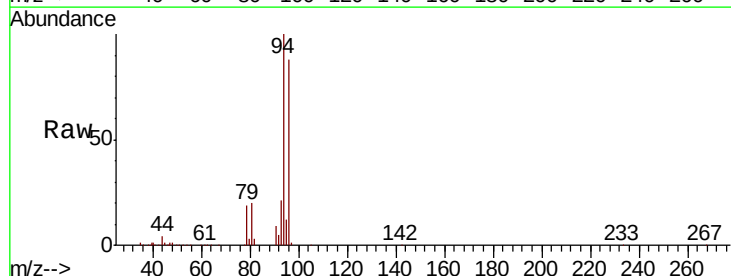
Acq: 03 Aug 2020 13:38

Tgt Ion: 94 Resp: 37620

Ion Ratio Lower Upper

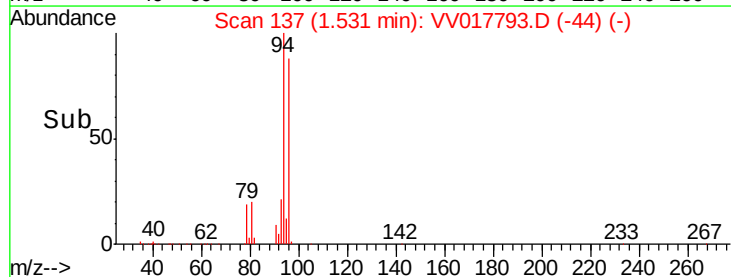
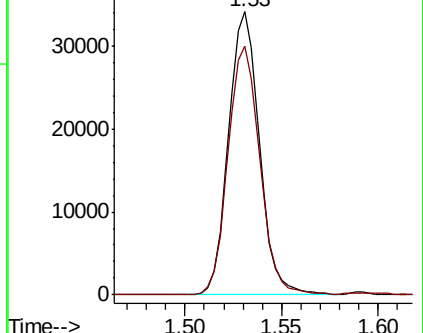
94 100

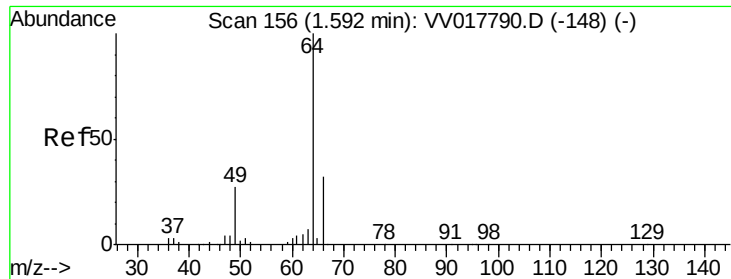
96 87.7 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV017790.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017793.D (-44) (-)





#8

Chloroethane

Concen: 5.527 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

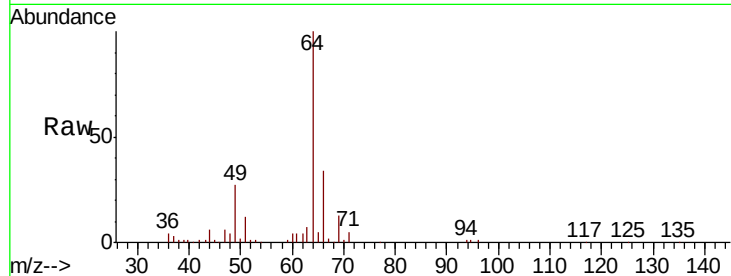
A5169MSD

Tot Ion: 64 Resp: 32938

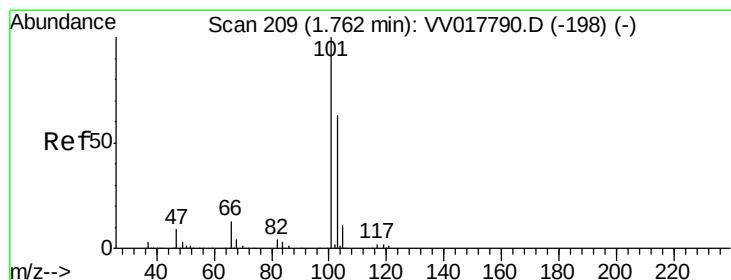
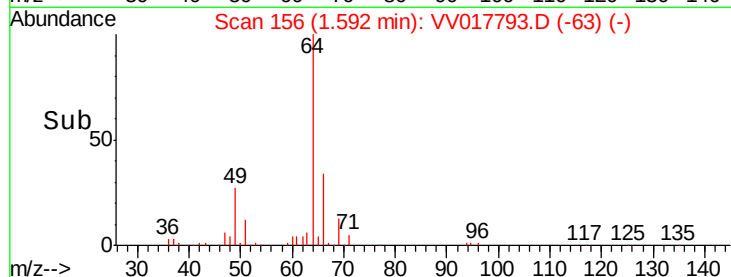
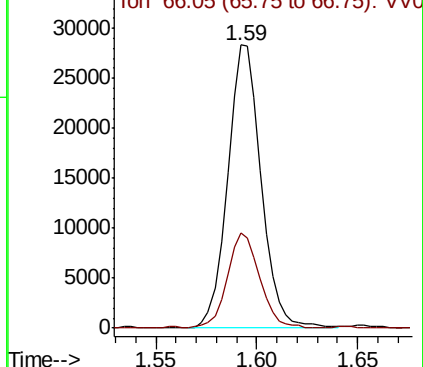
Ion Ratio Lower Upper

64 100

66 33.7 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV017793.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.800 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017793.D

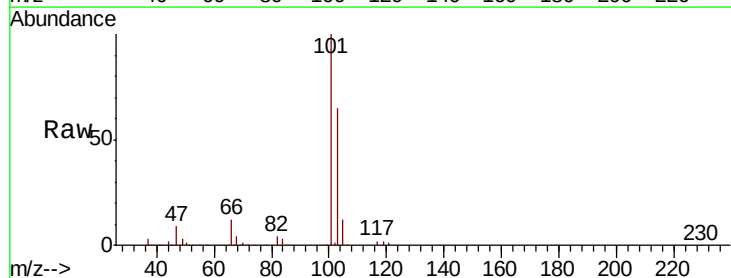
Acq: 03 Aug 2020 13:38

Tgt Ion:101 Resp: 108788

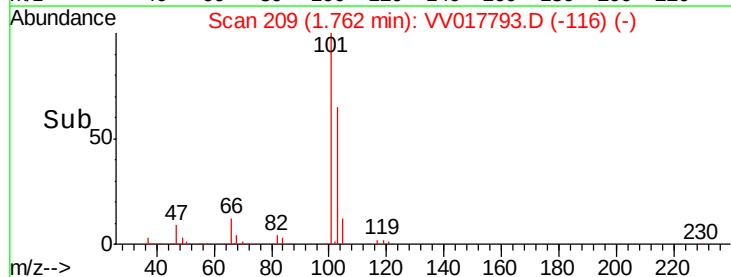
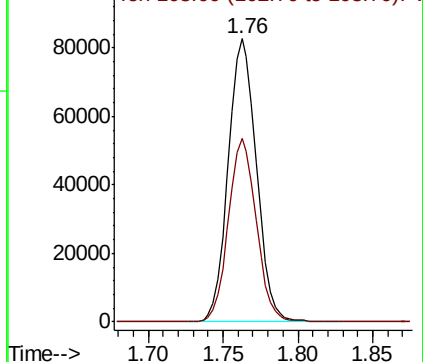
Ion Ratio Lower Upper

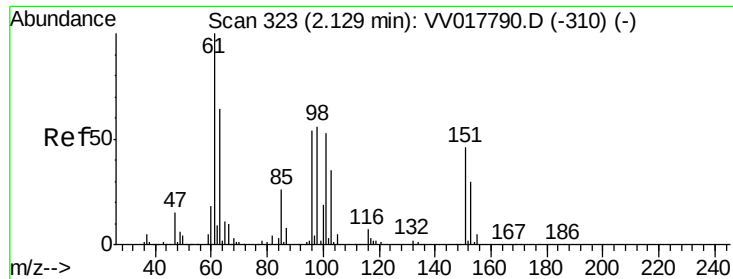
101 100

103 64.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV017793.D (-116) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.859 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

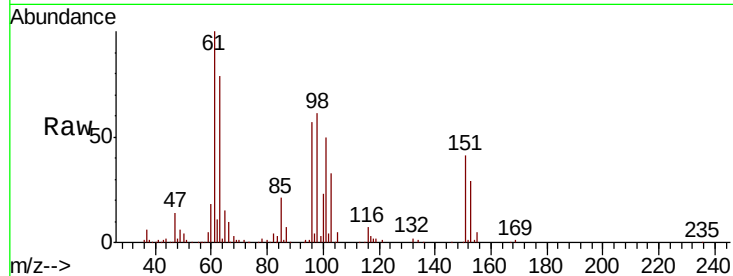
Tot Ion:101 Resp: 47744

Ion Ratio Lower Upper

101 100

85 44.4 37.8 56.8

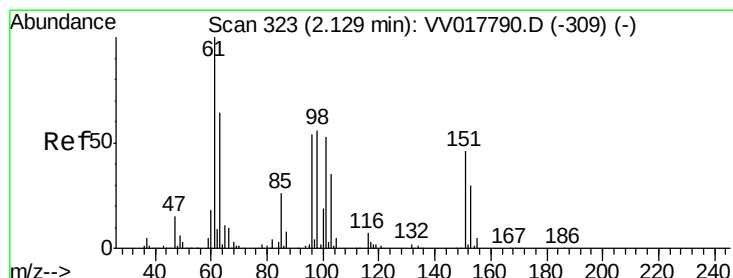
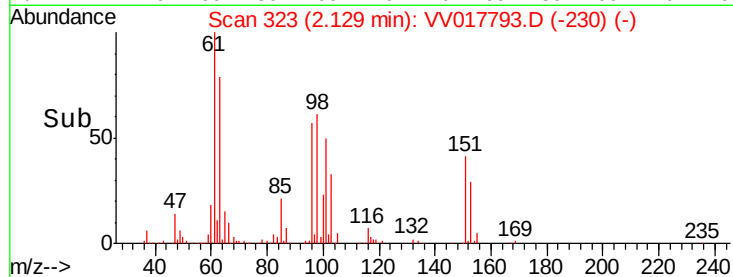
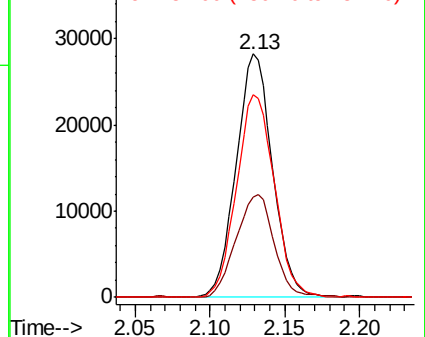
151 86.4 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.278 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

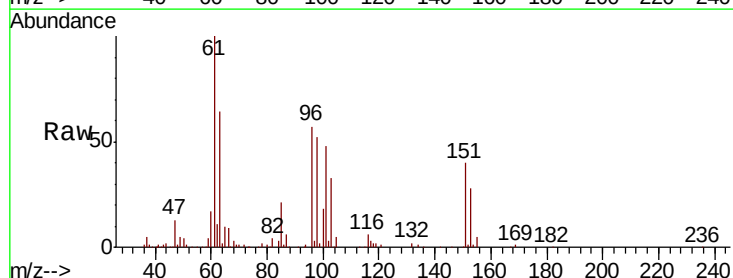
Tgt Ion: 96 Resp: 47383

Ion Ratio Lower Upper

96 100

61 176.8 127.8 237.4

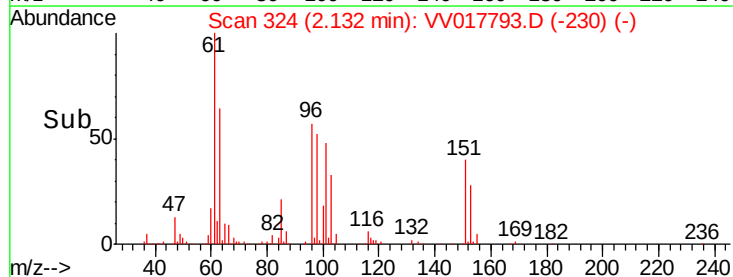
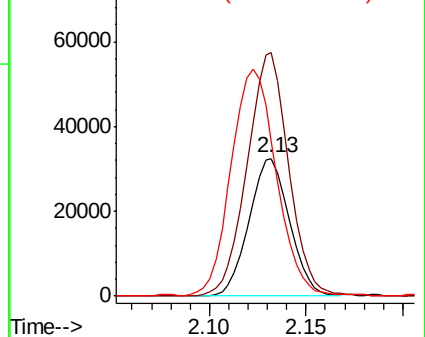
63 112.4 92.7 172.3

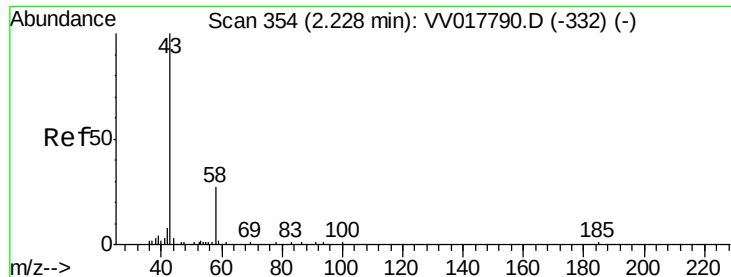


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 30.945 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.02 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

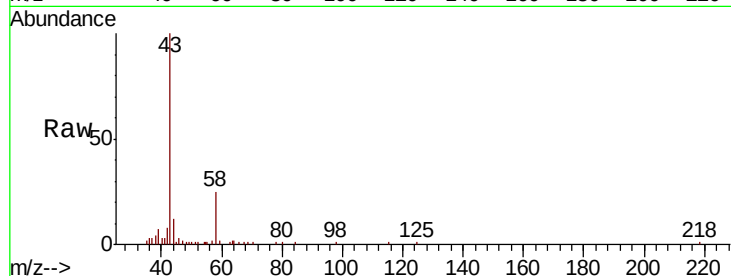
A5169MSD

Tot Ion: 43 Resp: 35965

Ion Ratio Lower Upper

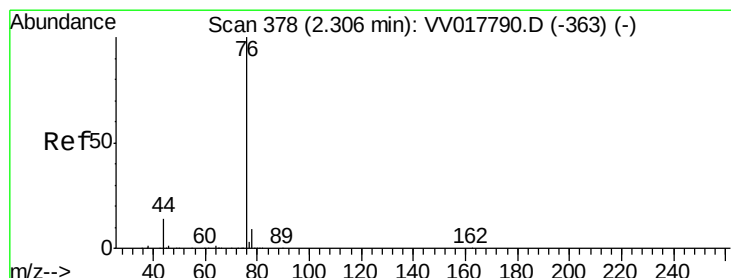
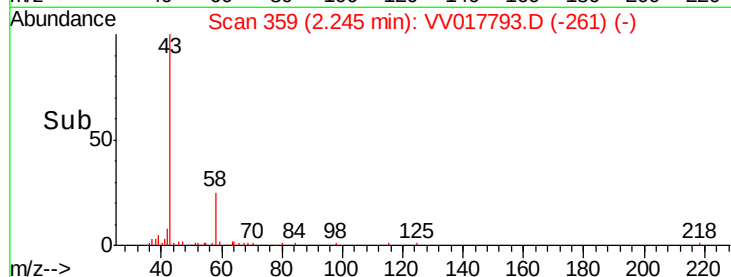
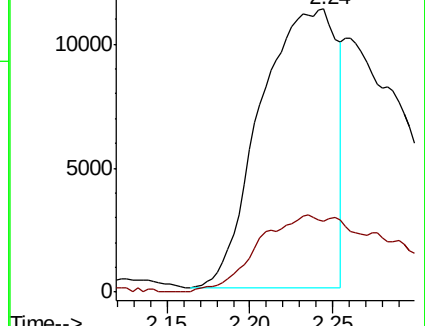
43 100

58 23.2 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV017793.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV017793.D (-261) (-)



#14

Carbon disulfide

Concen: 6.199 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017793.D

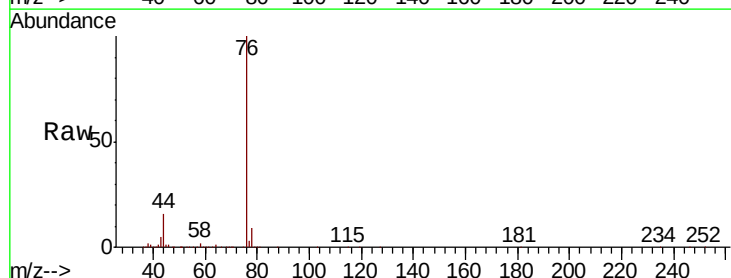
Acq: 03 Aug 2020 13:38

Tgt Ion: 76 Resp: 130650

Ion Ratio Lower Upper

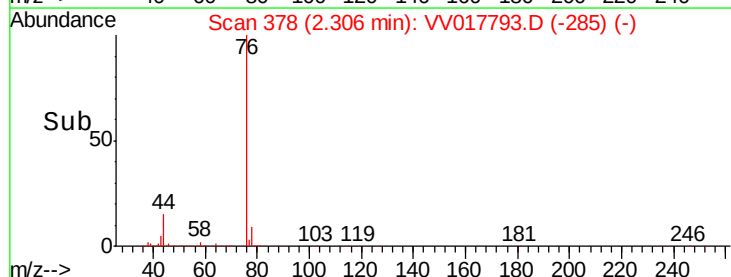
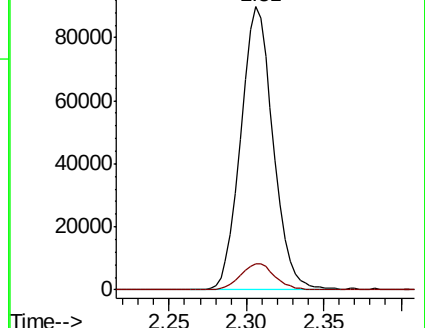
76 100

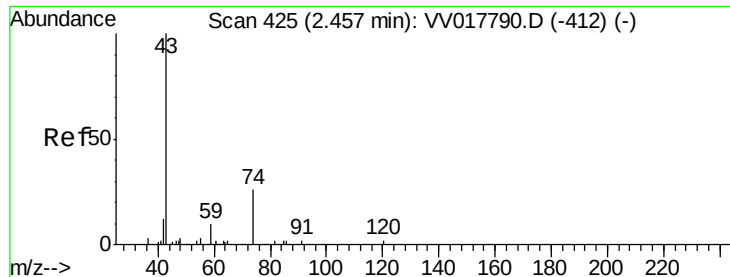
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV017793.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017793.D (-285) (-)

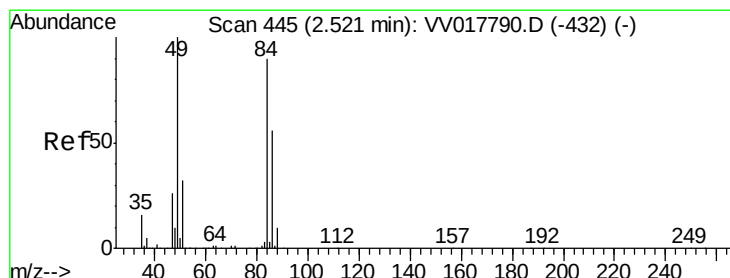
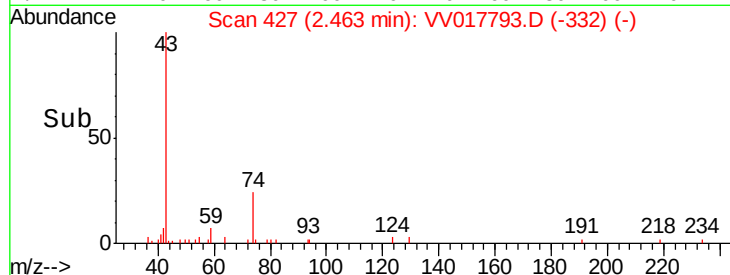
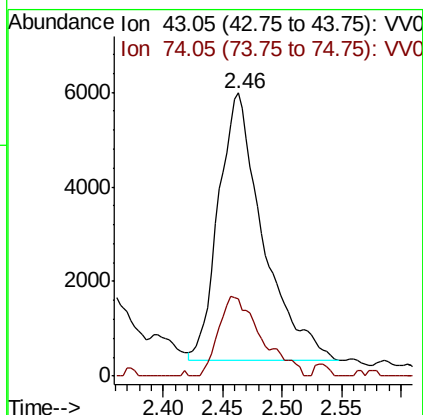
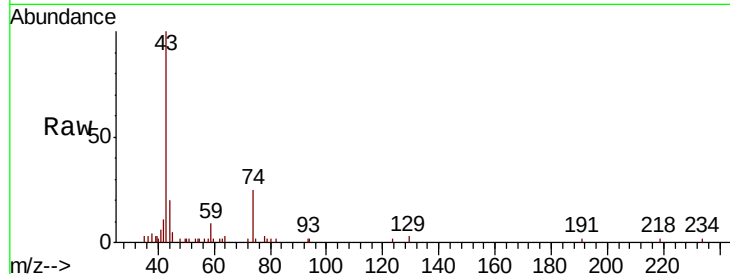




#15
Methvl Acetate
Concen: 6.174 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

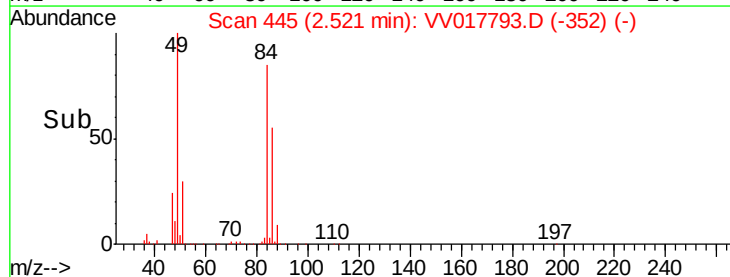
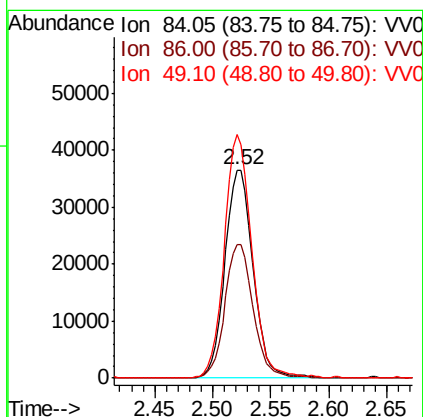
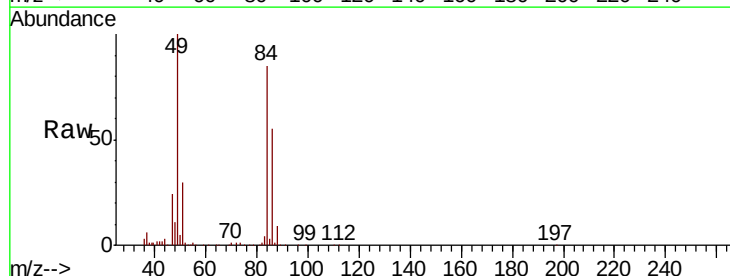
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

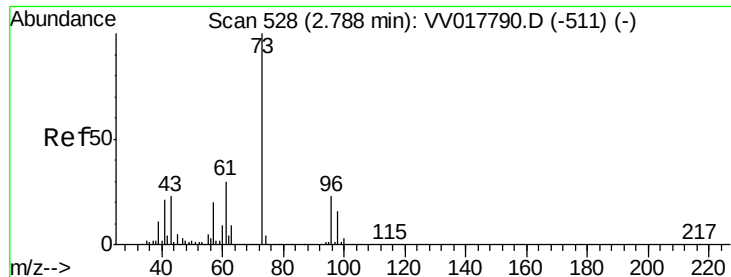
Tot Ion: 43 Resp: 14746
Ion Ratio Lower Upper
43 100
74 28.4 24.4 36.6



#16
Methylene chloride
Concen: 7.965 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

Tgt Ion: 84 Resp: 61652
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.3
49 117.1 78.6 146.0

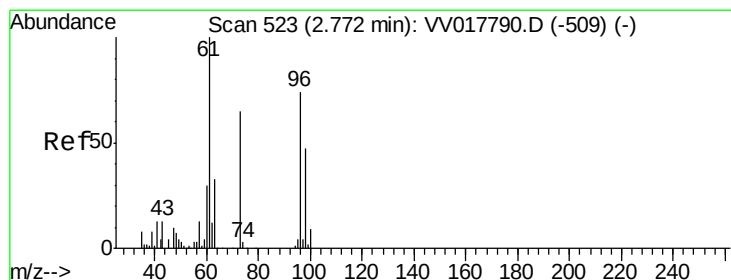
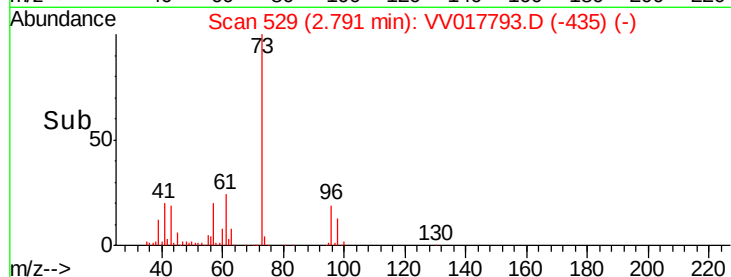
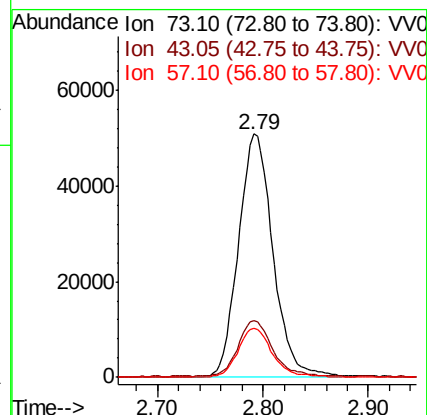
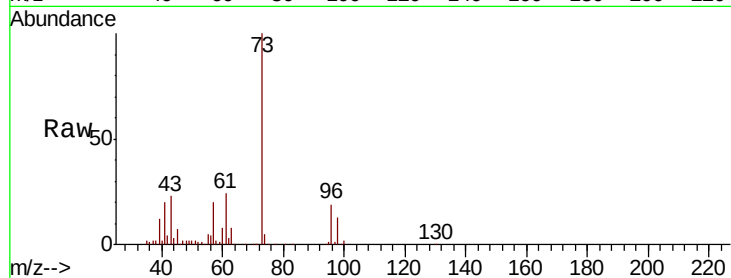




#17
Methyl tert-butyl Ether
Concen: 4.877 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

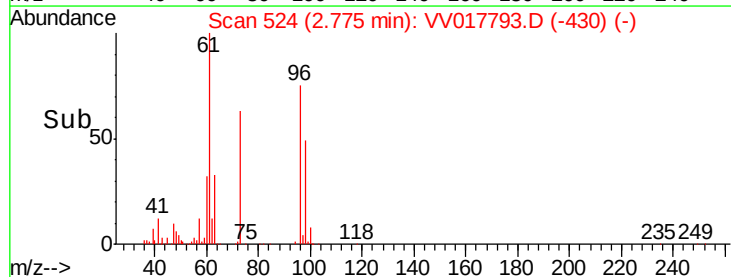
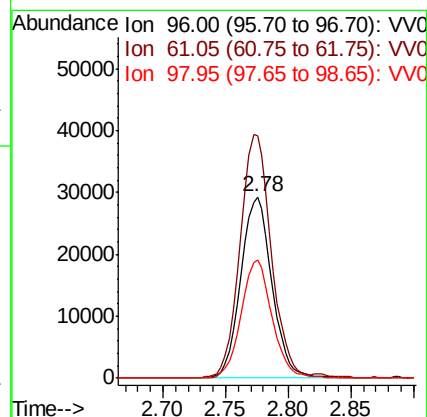
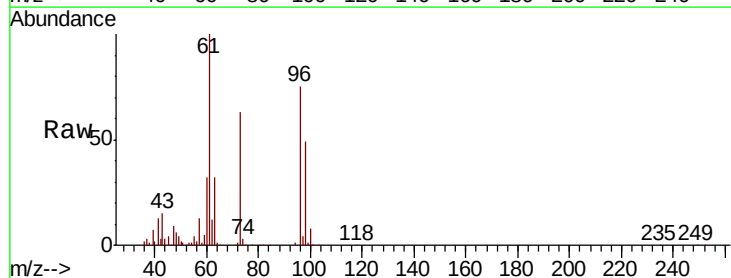
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

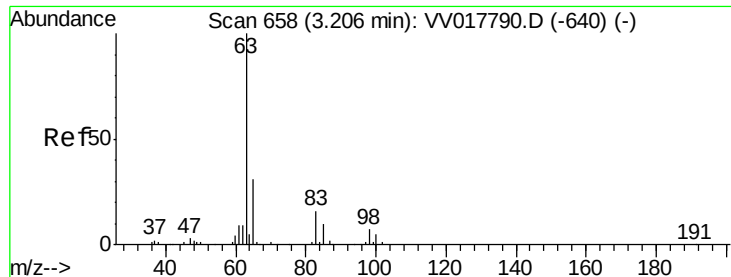
Tot Ion: 73 Resp: 115736
Ion Ratio Lower Upper
73 100
43 23.1 17.6 26.4
57 20.1 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.662 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

Tgt Ion: 96 Resp: 50704
Ion Ratio Lower Upper
96 100
61 134.0 97.2 180.6
98 65.3 45.0 83.6

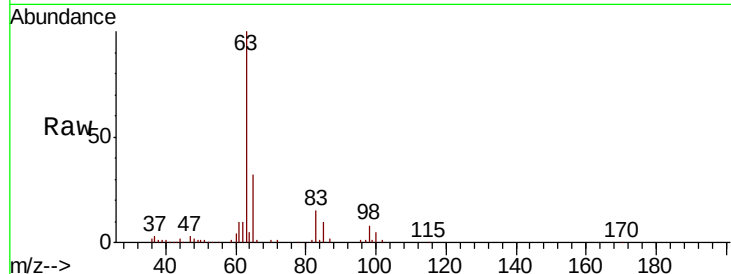




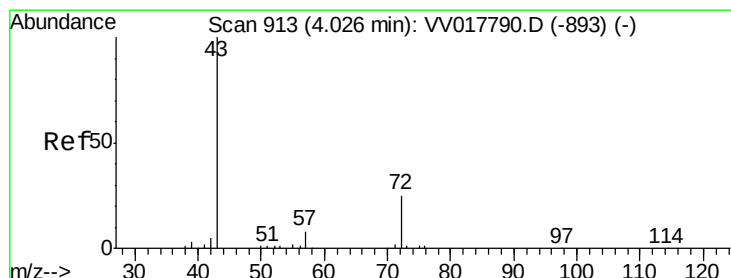
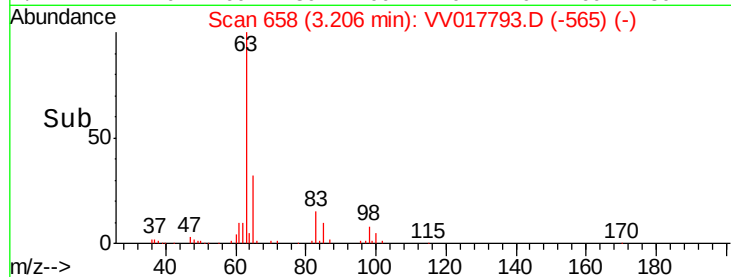
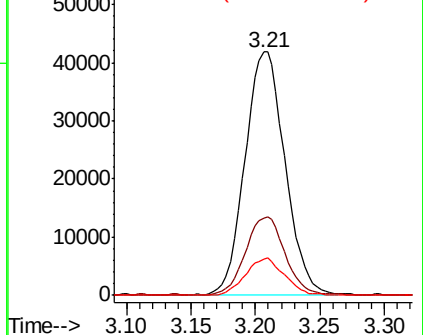
#19
 1,1-Dichloroethane
 Concen: 4.676 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Instrument :
 MSVOA_V
 ClientSampled :
 A5169MSD

Tot Ion: 63 Resp: 90948
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.0 42.6
 83 15.1 9.7 17.9

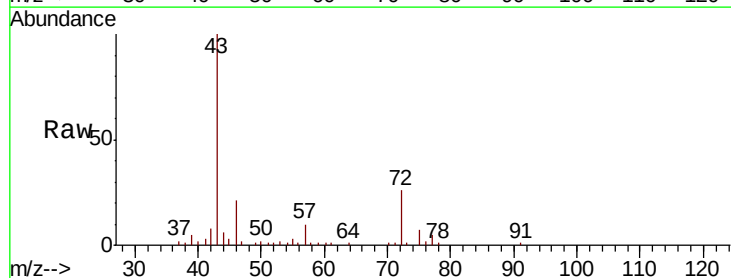


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

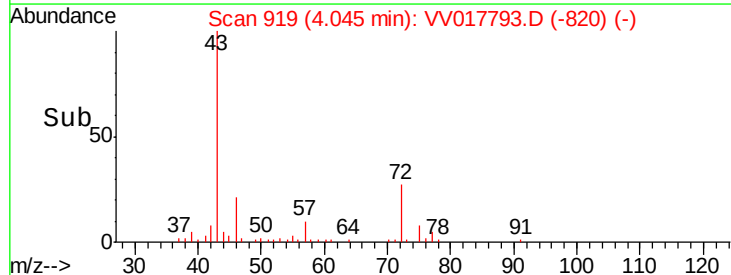
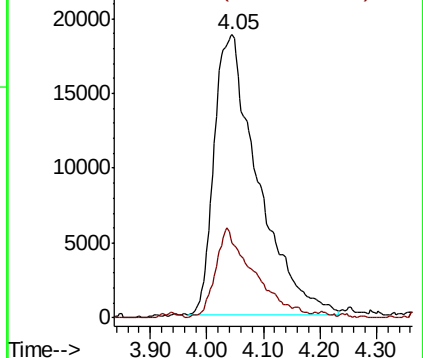


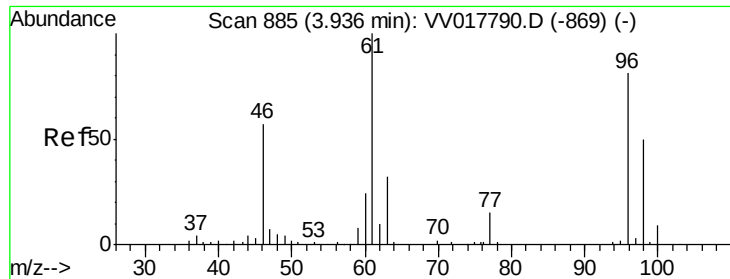
#21
 2-Butanone
 Concen: 43.841 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.02 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion: 43 Resp: 100534
 Ion Ratio Lower Upper
 43 100
 72 27.5 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 4.912 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

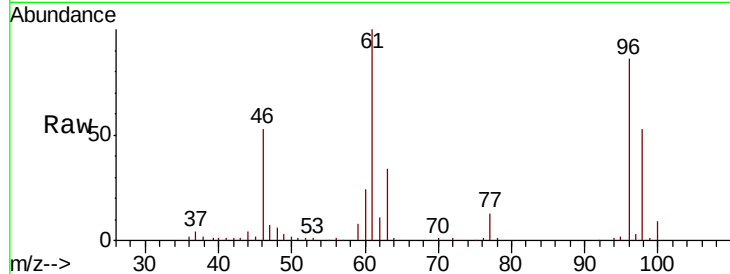
Tot Ion: 96 Resp: 56887

Ion Ratio Lower Upper

96 100

61 116.5 90.0 167.2

68 0.0 0.0 0.0

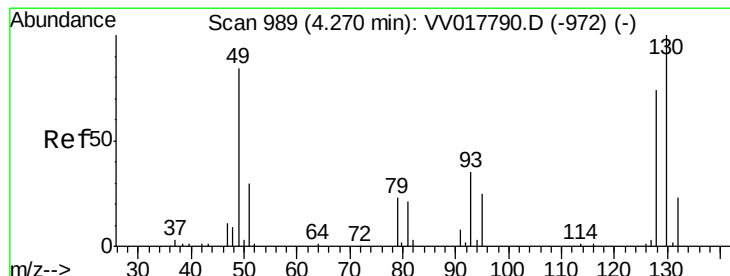
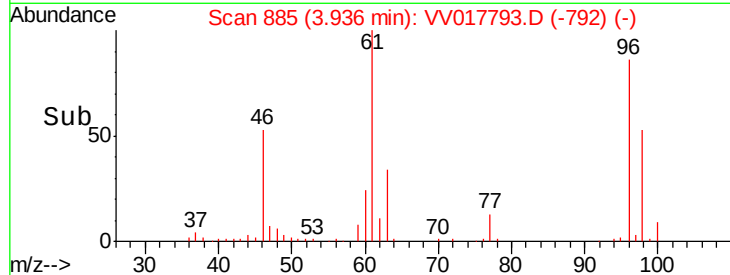
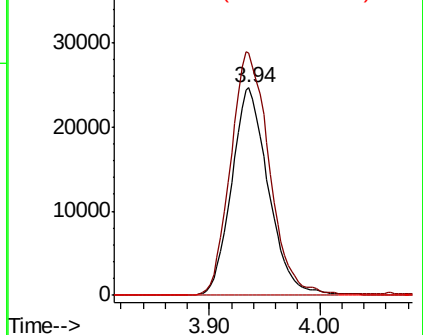


Abundance

Ion 96.00 (95.70 to 96.70): VV017790.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV017790.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV017790.D (-869) (-)



#23

Bromochloromethane

Concen: 5.053 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Tgt Ion: 128 Resp: 25664

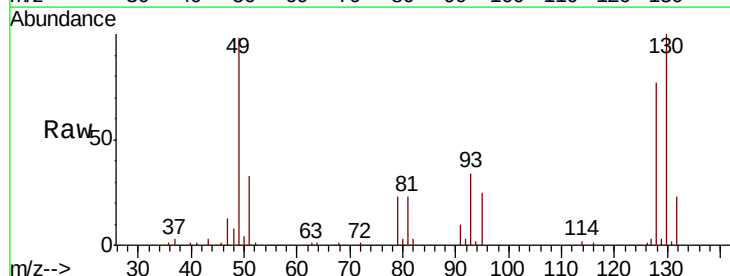
Ion Ratio Lower Upper

128 100

49 127.5 105.1 195.1

130 130.0 88.9 165.1

51 42.9 36.2 54.2



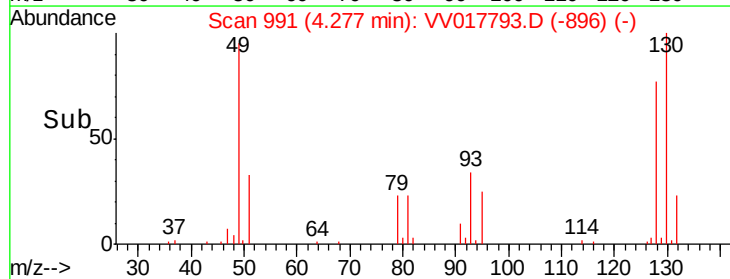
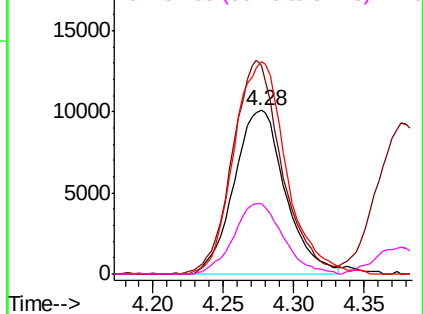
Abundance

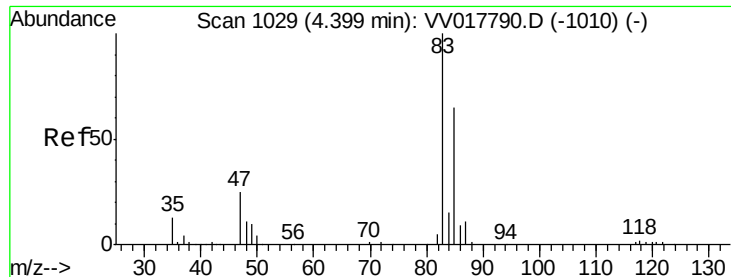
Ion 127.90 (127.60 to 128.60): VV017790.D (-972) (-)

Ion 49.10 (48.80 to 49.80): VV017790.D (-972) (-)

Ion 129.95 (129.65 to 130.65): VV017790.D (-972) (-)

Ion 51.05 (50.75 to 51.75): VV017790.D (-972) (-)

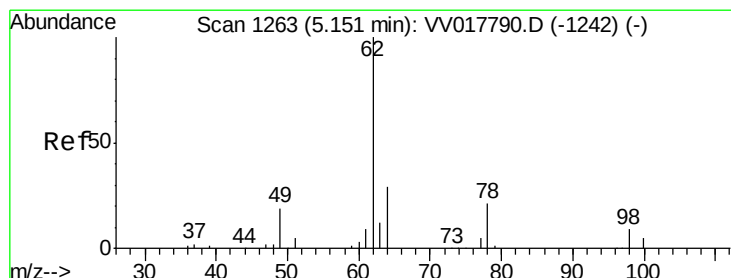
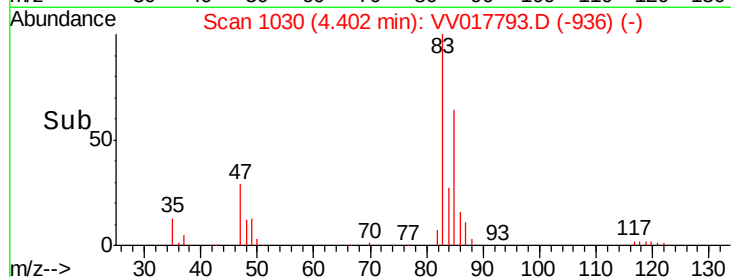
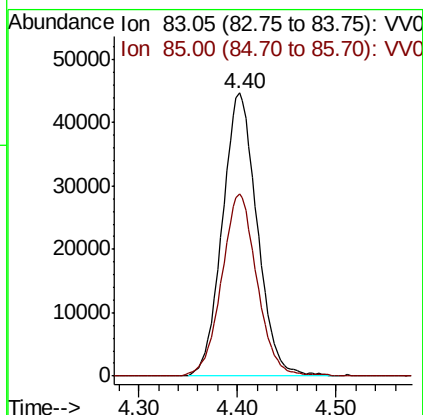
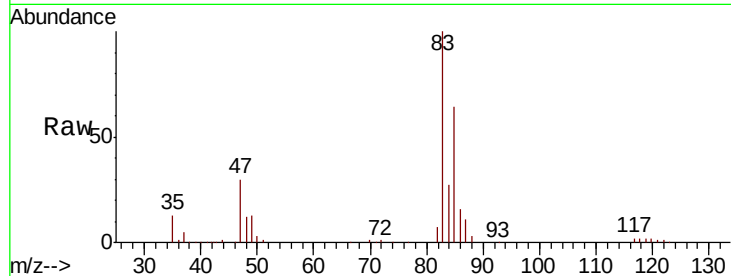




#25
Chloroform
Concen: 4.498 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

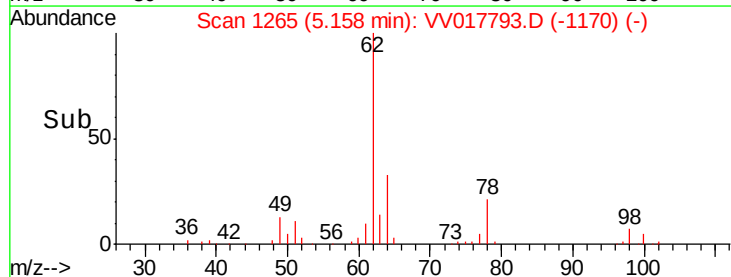
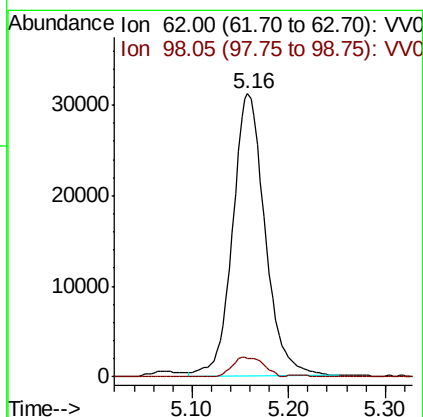
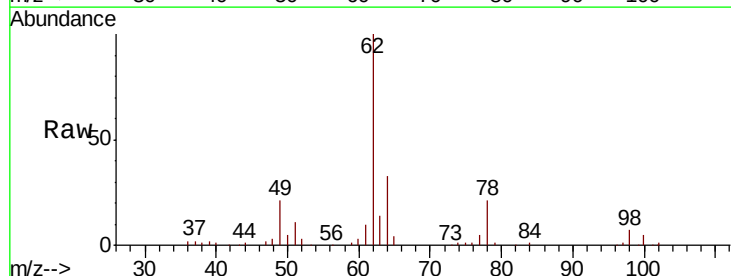
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

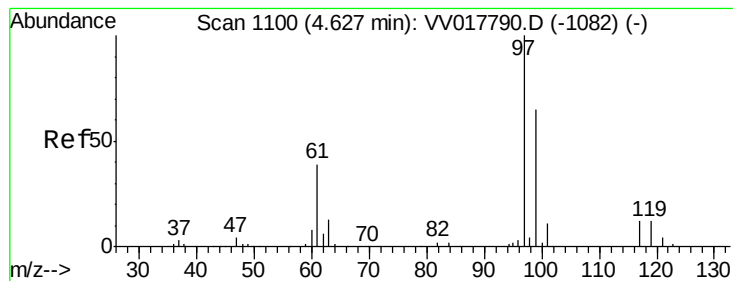
Tot Ion: 83 Resp: 109704
Ion Ratio Lower Upper
83 100
85 64.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.409 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

Tgt Ion: 62 Resp: 72802
Ion Ratio Lower Upper
62 100
98 6.7 7.0 10.6#





#29

1,1,1-Trichloroethane

Concen: 5.534 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

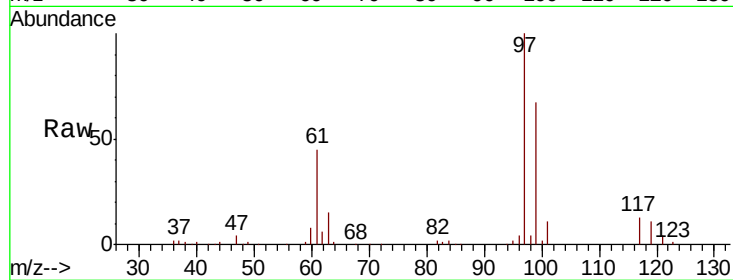
Tot Ion: 97 Resp: 108129

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

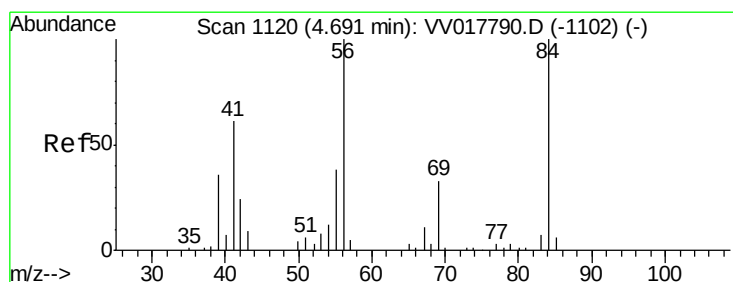
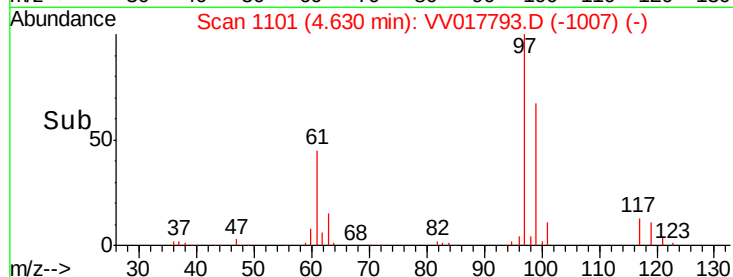
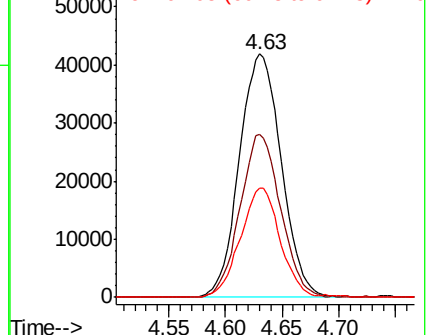
61 42.6 34.5 51.7



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.197 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

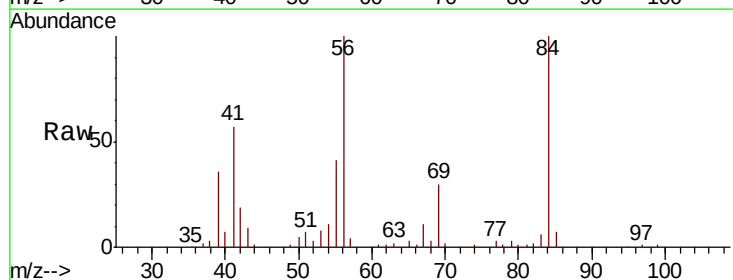
Tgt Ion: 56 Resp: 70149

Ion Ratio Lower Upper

56 100

69 32.2 24.8 37.2

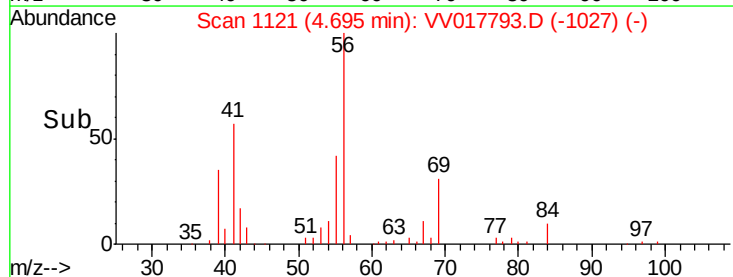
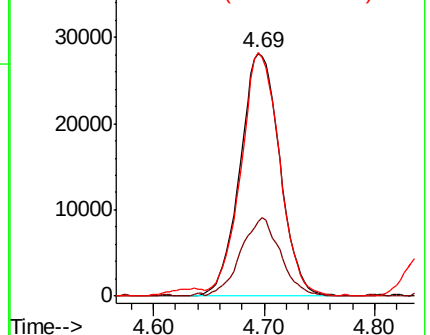
84 97.8 75.4 113.2

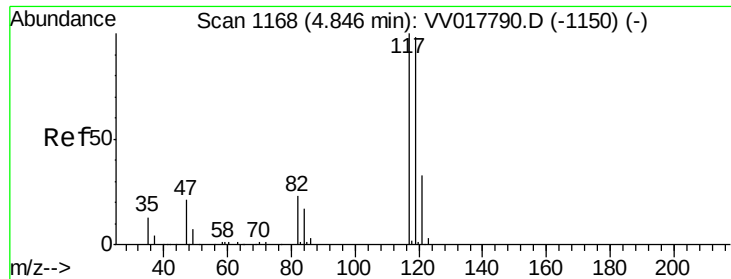


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

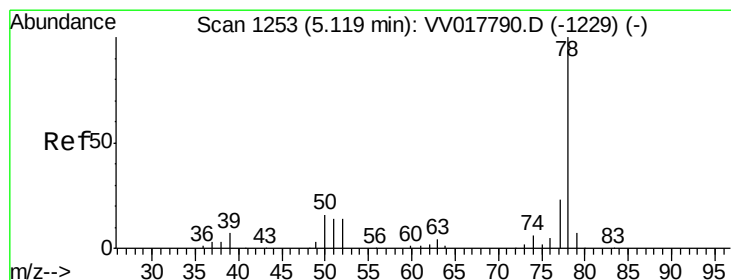
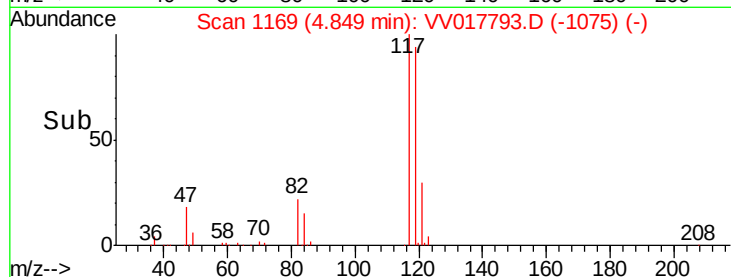
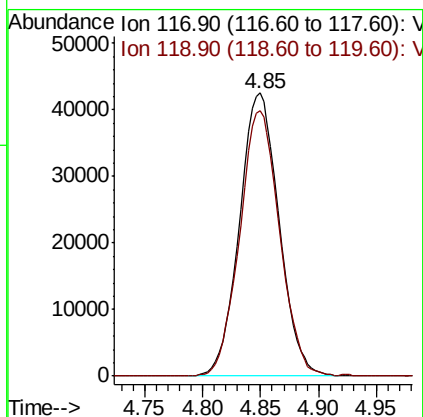
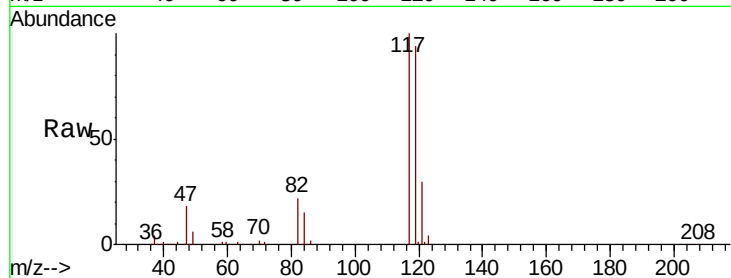




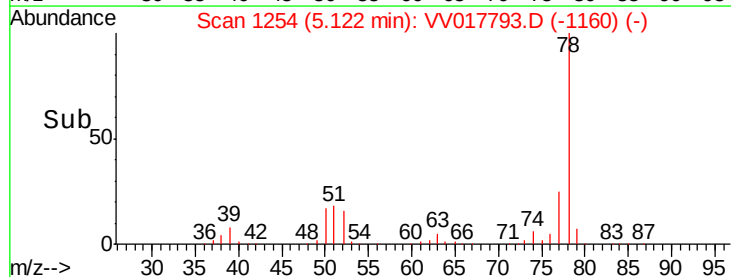
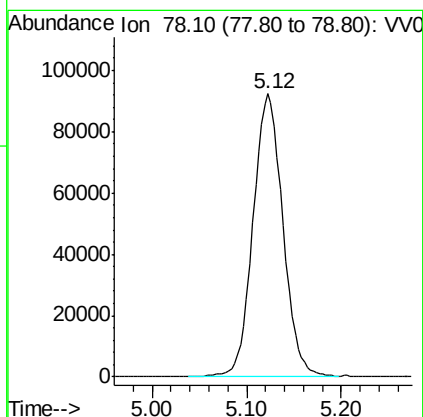
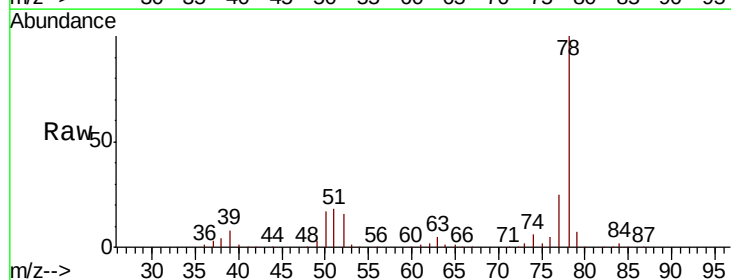
#31
Carbon tetrachloride
Concen: 5.740 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

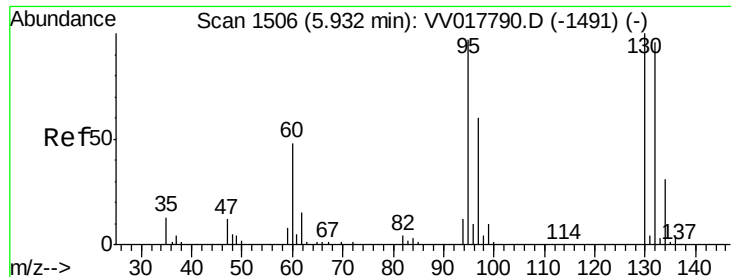
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

Tot Ion:117 Resp: 100927
Ion Ratio Lower Upper
117 100
119 94.5 77.7 116.5



#33
Benzene
Concen: 4.707 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38
Tgt Ion: 78 Resp: 202095

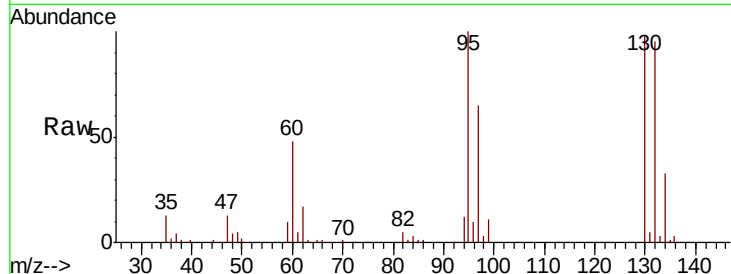




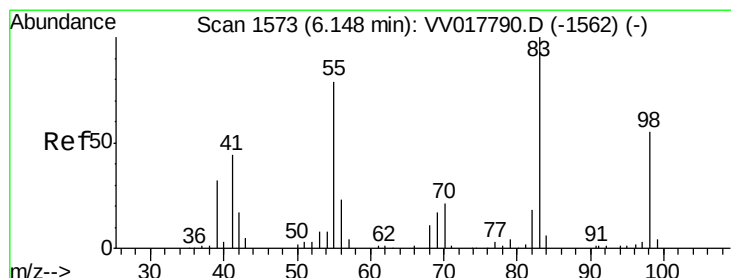
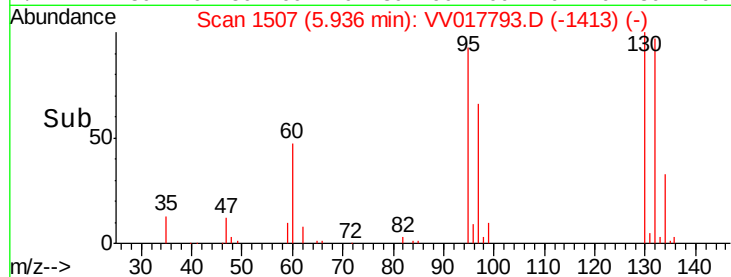
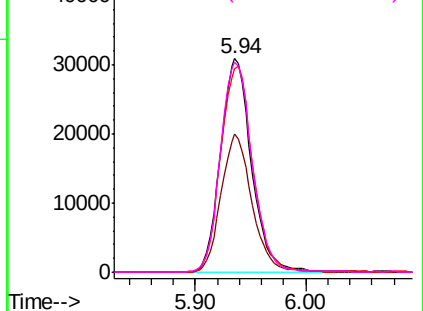
#34
 Trichloroethene
 Concen: 4.913 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Tot Ion: 95 Resp: 60164
 Ion Ratio Lower Upper
 95 100
 97 64.6 42.8 79.6
 132 95.2 70.8 131.6
 130 98.2 72.3 134.3

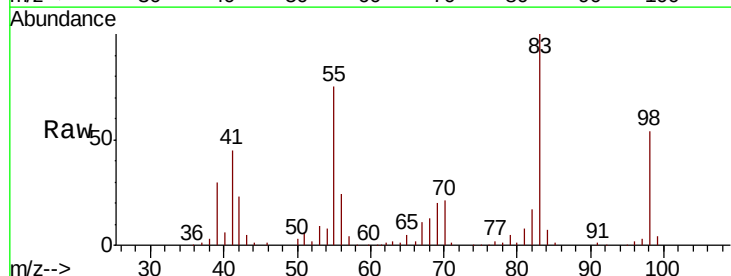


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

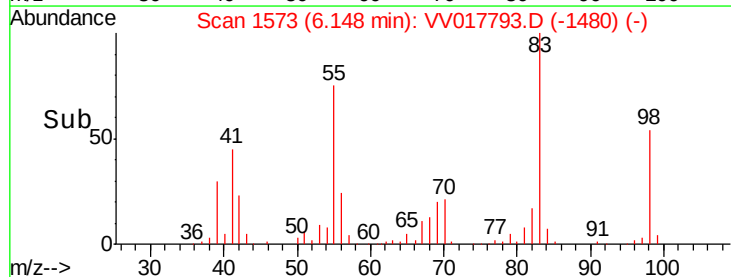
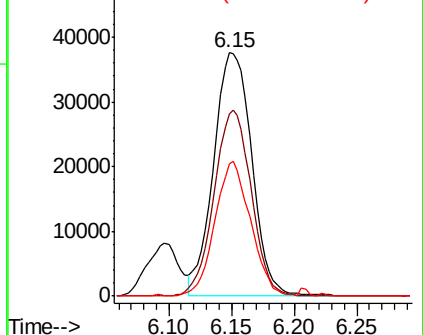


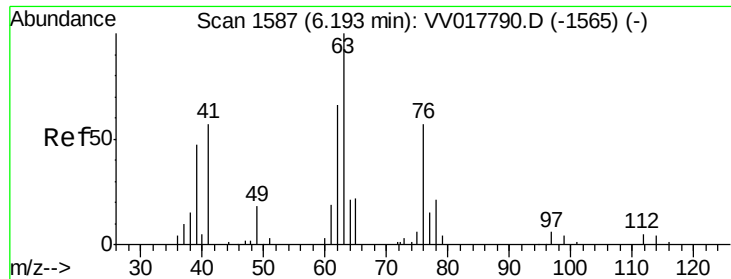
#35
 Methylcyclohexane
 Concen: 4.154 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion: 83 Resp: 79697
 Ion Ratio Lower Upper
 83 100
 55 74.3 60.1 90.1
 98 51.7 40.2 60.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

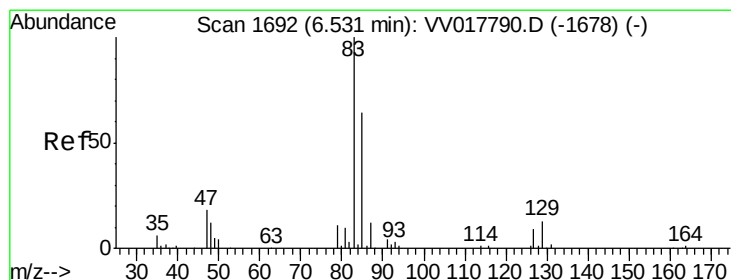
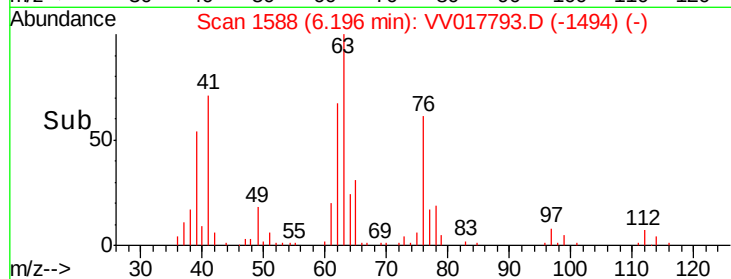
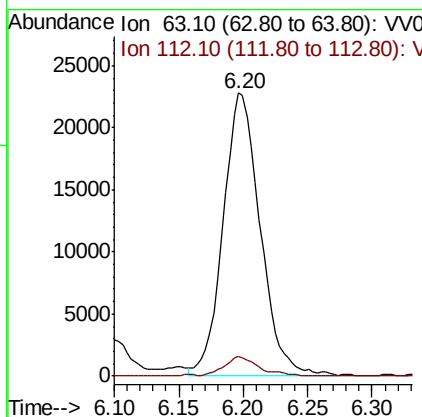
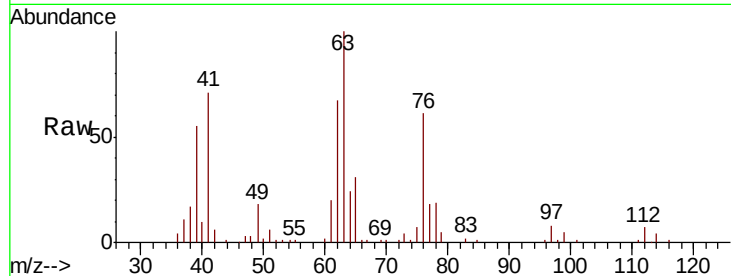




#37
 1,2-Dichloropropane
 Concen: 4.592 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

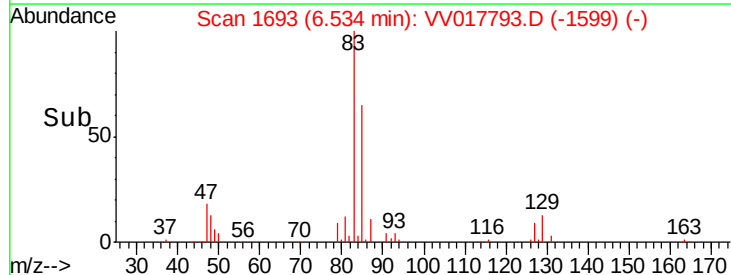
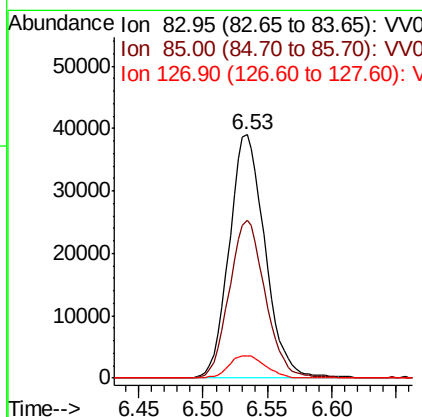
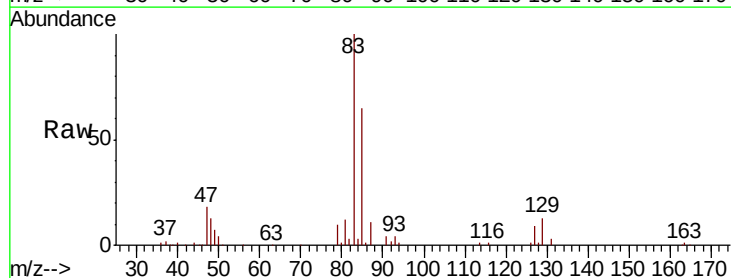
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

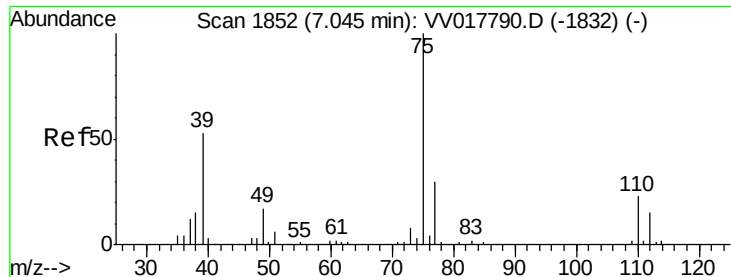
Tot Ion: 63 Resp: 45620
 Ion Ratio Lower Upper
 63 100
 112 6.5 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 5.362 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion: 83 Resp: 75213
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.9 81.5
 127 9.1 6.9 10.3

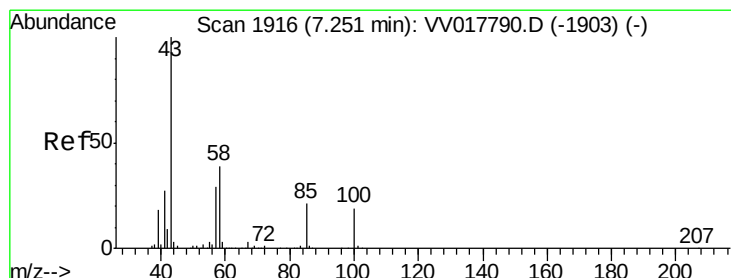
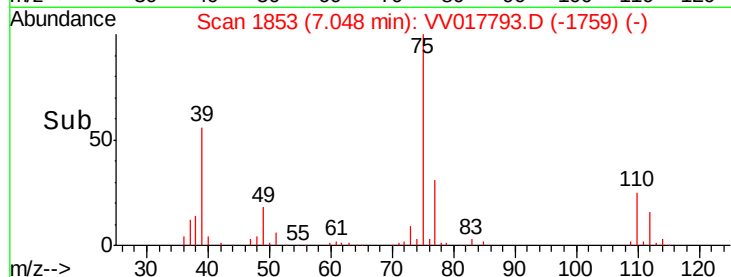
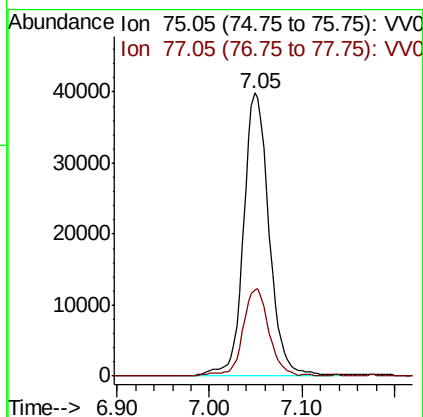
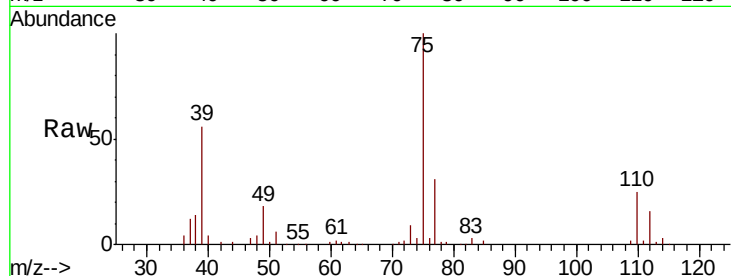




#39
 cis-1,3-Dichloropropene
 Concen: 4.922 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

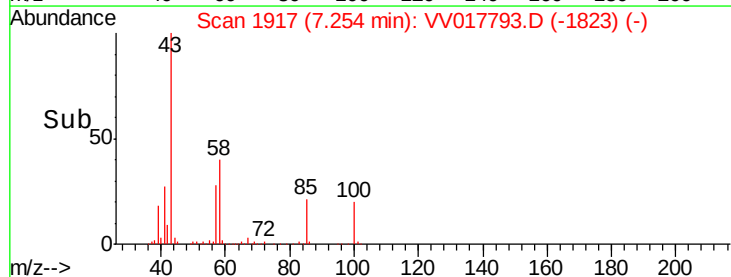
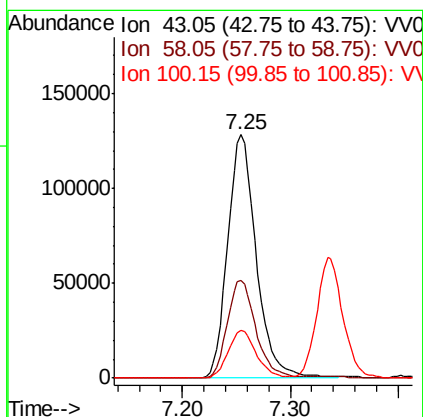
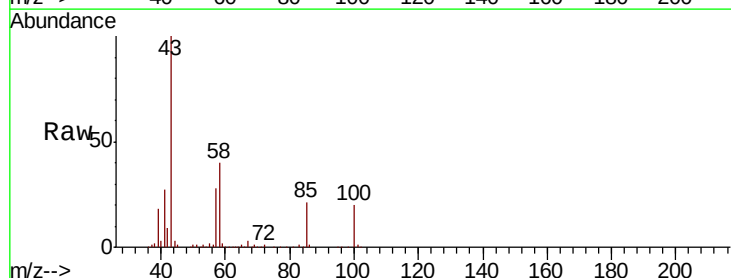
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

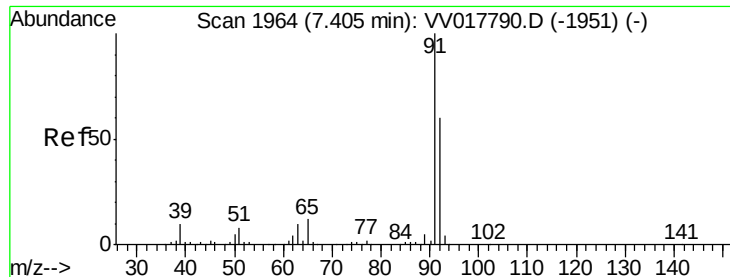
Tot Ion: 75 Resp: 76663
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 42.392 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion: 43 Resp: 237546
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 19.4 14.0 21.0





#42

Toluene

Concen: 4.850 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

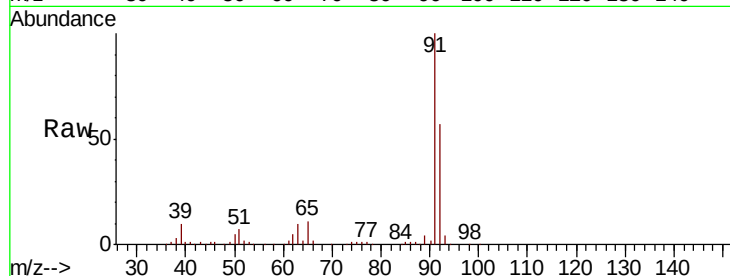
A5169MSD

Tot Ion: 91 Resp: 231550

Ion Ratio Lower Upper

91 100

92 57.3 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

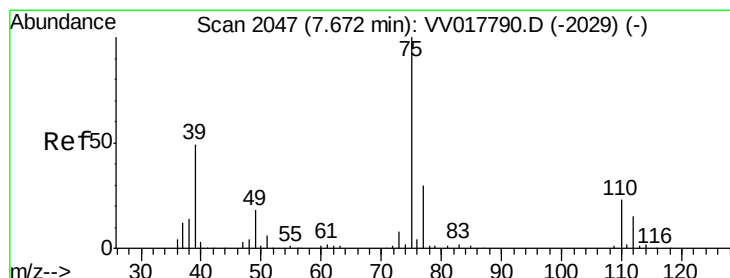
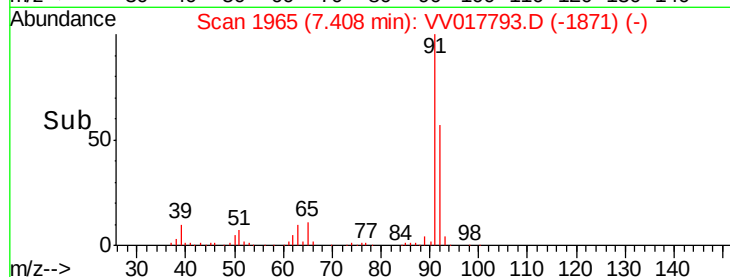
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.392 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017793.D

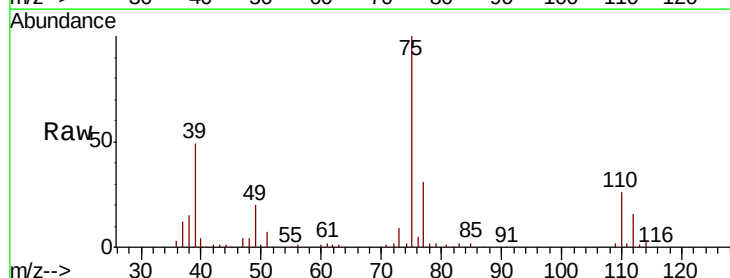
Acq: 03 Aug 2020 13:38

Tgt Ion: 75 Resp: 67908

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

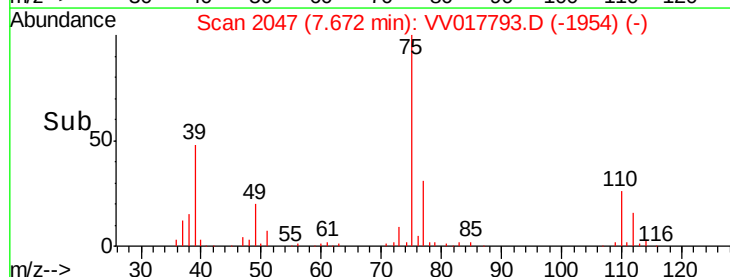
30000

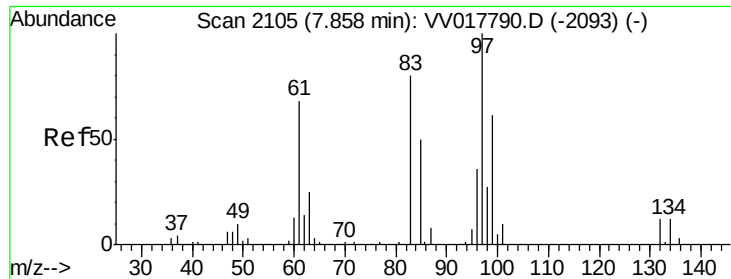
20000

10000

0

Time--> 7.60 7.70 7.80

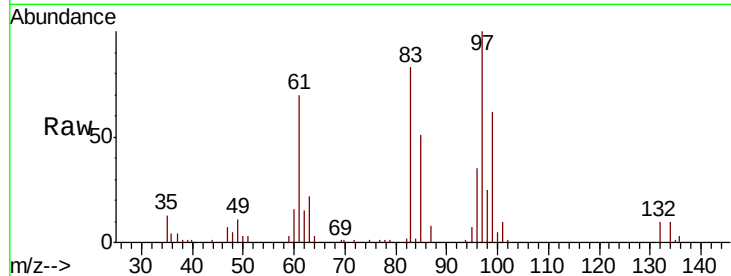




#45
 1,1,2-Trichloroethane
 Concen: 4.676 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Tot Ion:	97	Resp:	35427
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.0	78.0
83	82.5	57.6	107.0
85	50.5	34.6	64.2



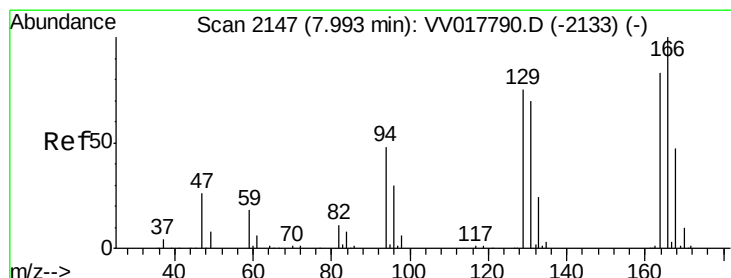
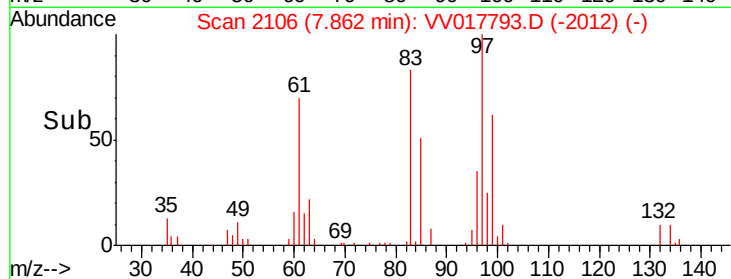
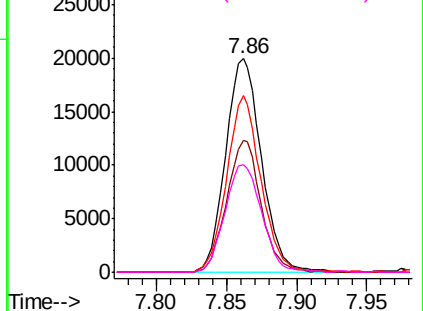
Abundance

Ion 96.95 (96.65 to 97.65): VV017793.D (-2093) (-)

Ion 99.05 (98.75 to 99.75): VV017793.D (-2093) (-)

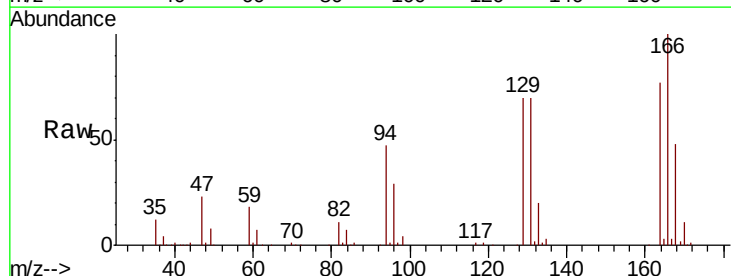
Ion 82.95 (82.65 to 83.65): VV017793.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017793.D (-2093) (-)



#47
 Tetrachloroethene
 Concen: 4.888 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion:	164	Resp:	52301
Ion	Ratio	Lower	Upper
164	100		
129	90.9	61.9	114.9
131	90.9	59.4	110.4
166	129.2	89.6	166.4



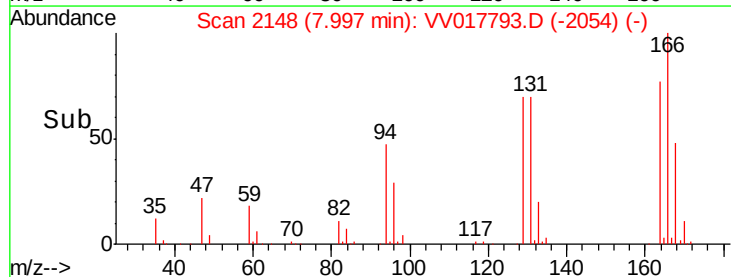
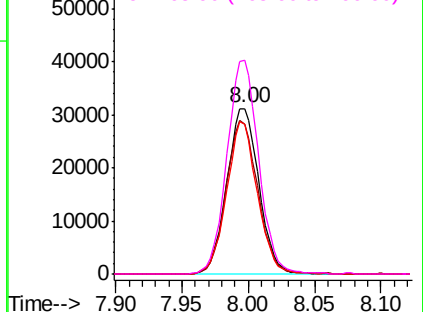
Abundance

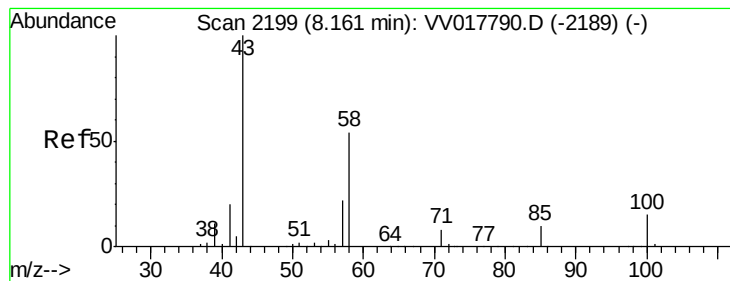
Ion 163.90 (163.60 to 164.60): VV017793.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV017793.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV017793.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV017793.D (-2054) (-)





#48

2-Hexanone

Concen: 44.516 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

Tot Ion: 43 Resp: 176292

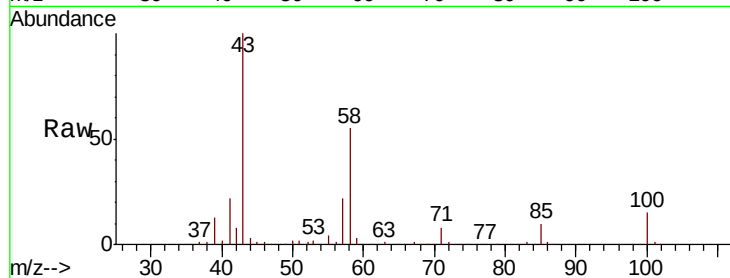
Ion Ratio Lower Upper

43 100

58 53.1 44.1 66.1

57 21.6 16.1 24.1

100 15.2 11.3 16.9

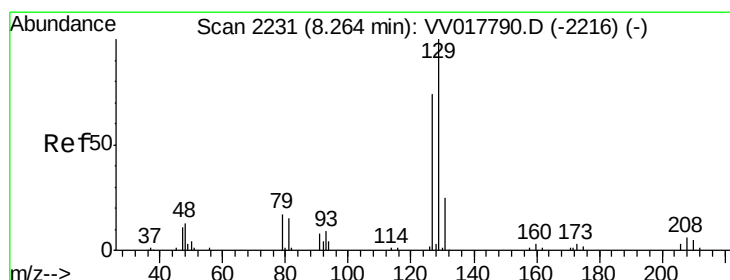
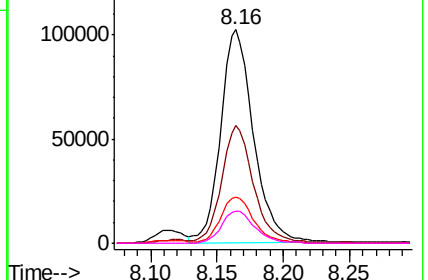
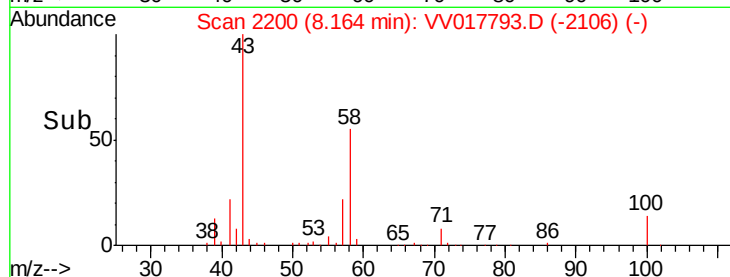


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 5.330 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017793.D

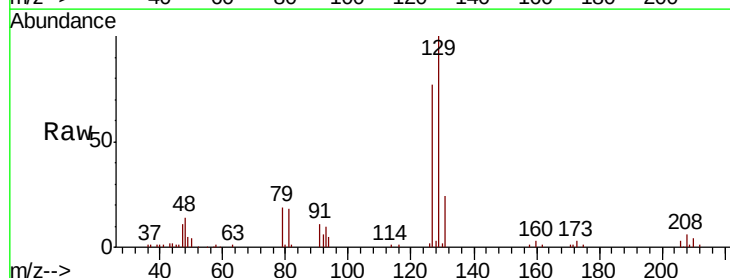
Acq: 03 Aug 2020 13:38

Tgt Ion: 129 Resp: 49509

Ion Ratio Lower Upper

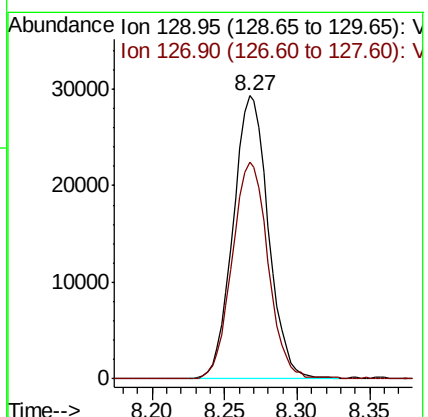
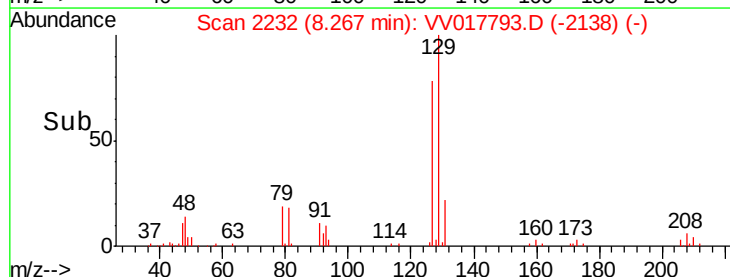
129 100

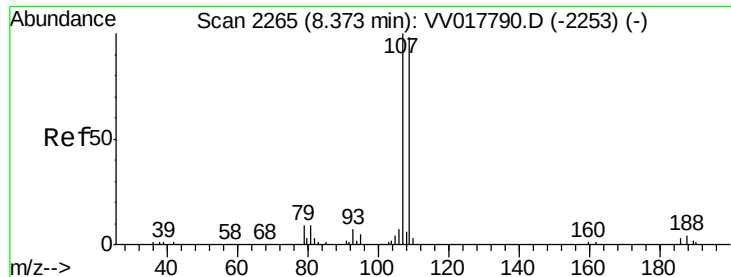
127 76.7 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV0

Ion 126.90 (126.60 to 127.60): VV0

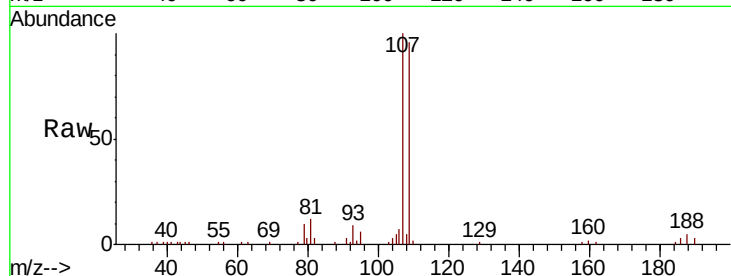




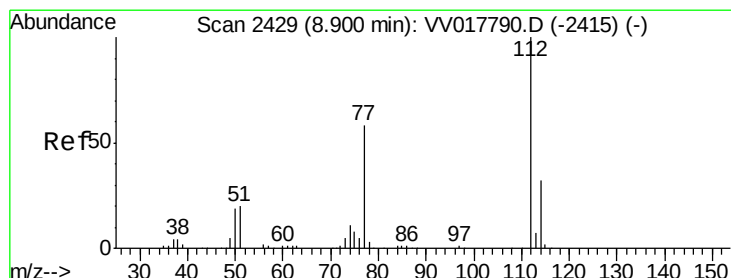
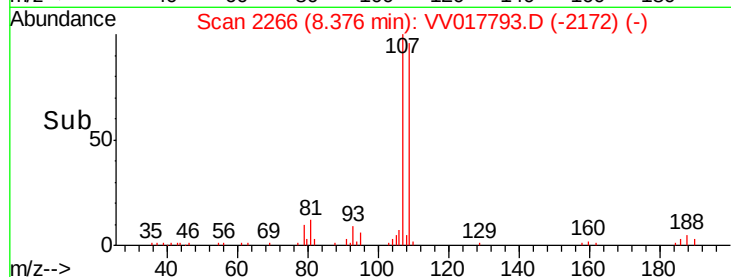
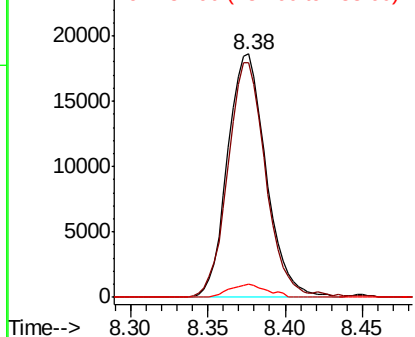
#50
1,2-Dibromoethane
Concen: 4.538 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

Tot Ion:107 Resp: 32138
Ion Ratio Lower Upper
107 100
109 96.2 66.3 123.1
188 5.2 3.4 5.0#

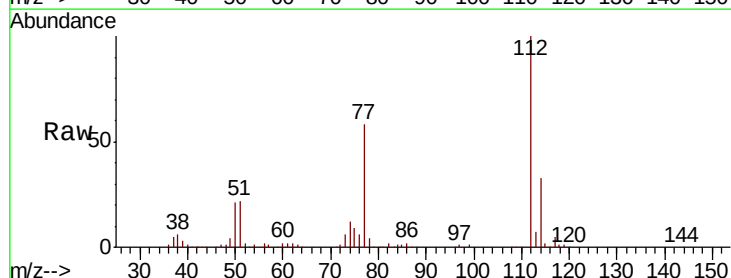


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

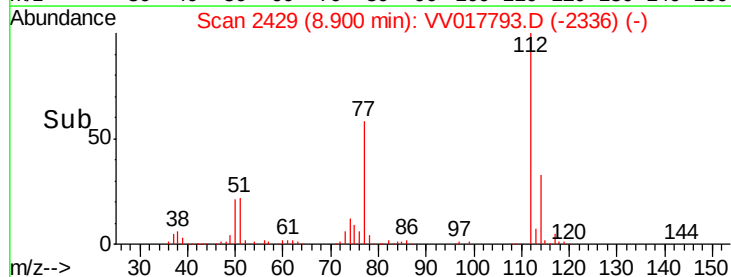
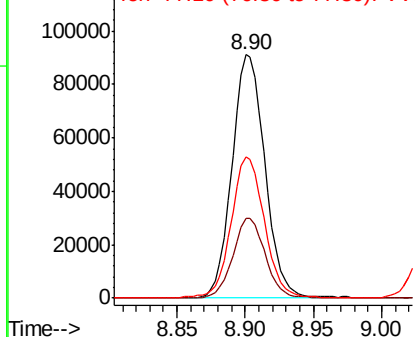


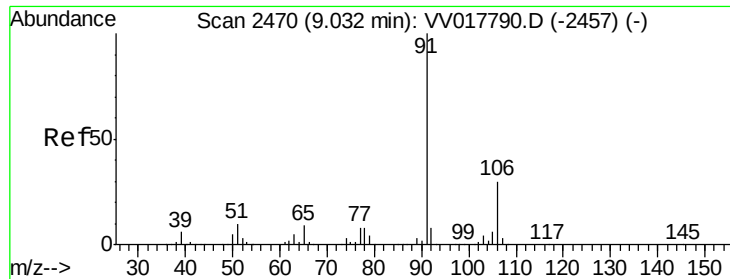
#51
Chlorobenzene
Concen: 4.792 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017793.D
Acq: 03 Aug 2020 13:38

Tgt Ion:112 Resp: 152960
Ion Ratio Lower Upper
112 100
114 32.6 22.1 41.1
77 58.0 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

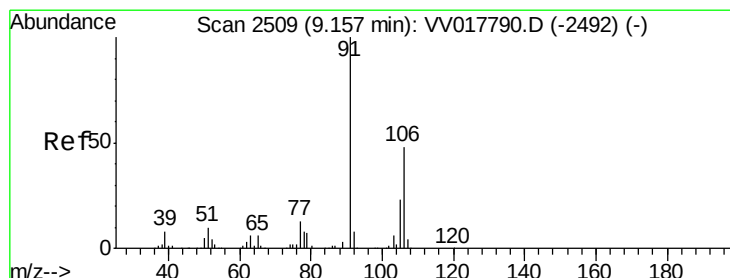
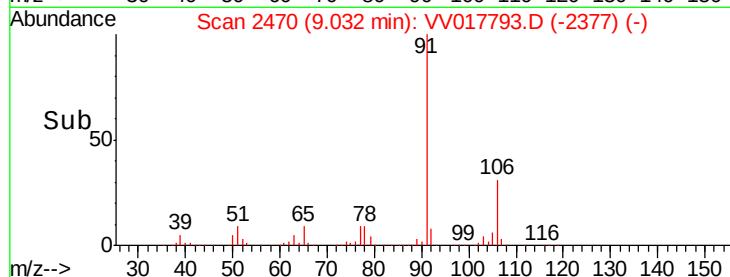
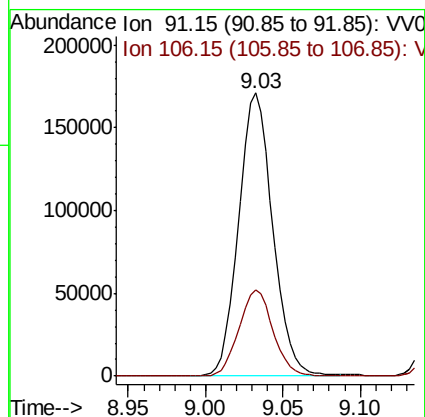
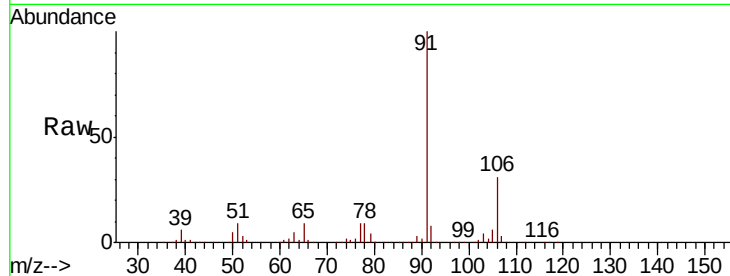
A5169MSD

Tot Ion: 91 Resp: 261181

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.2



#53

m,p-xylene

Concen: 4.960 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017793.D

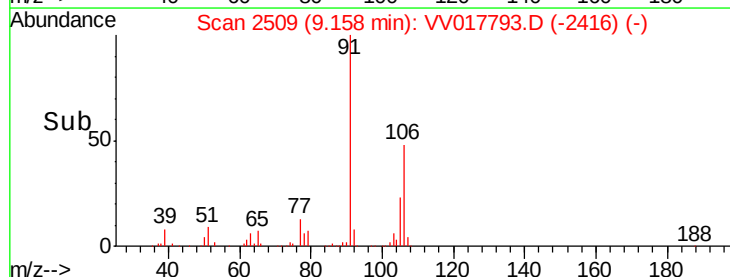
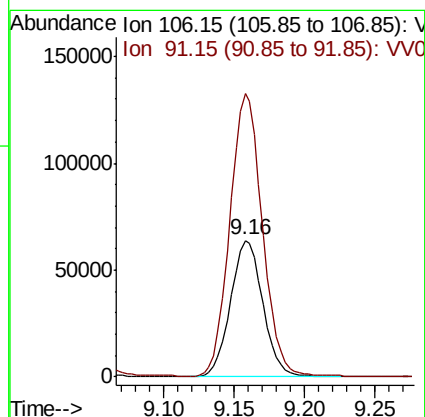
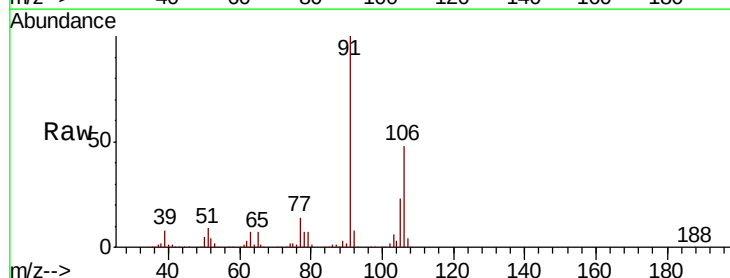
Acq: 03 Aug 2020 13:38

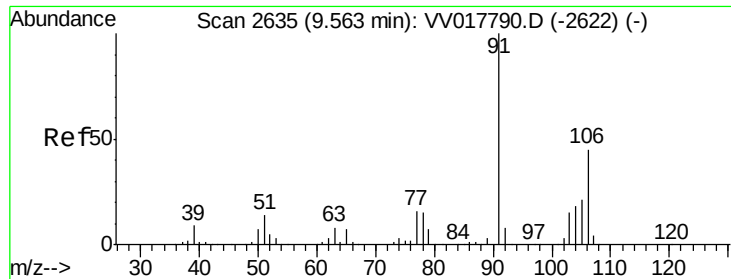
Tgt Ion: 106 Resp: 102853

Ion Ratio Lower Upper

106 100

91 207.9 141.6 263.0





#54

o-xylene

Concen: 4.931 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

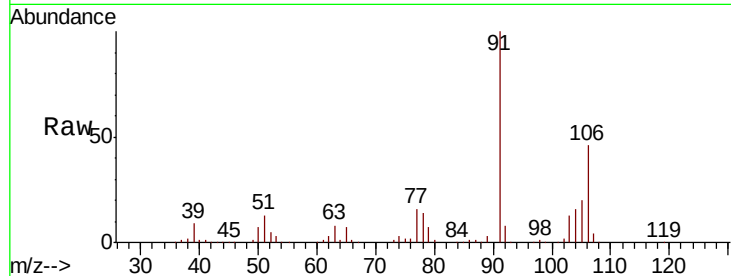
A5169MSD

Tot Ion:106 Resp: 96792

Ion Ratio Lower Upper

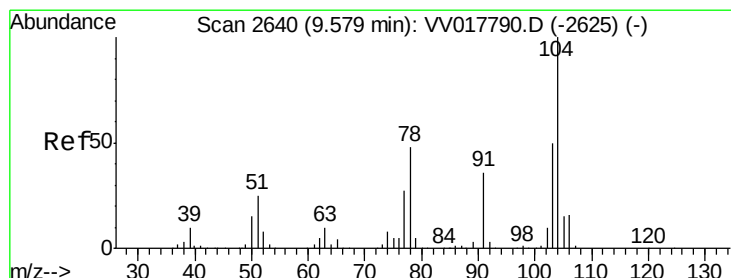
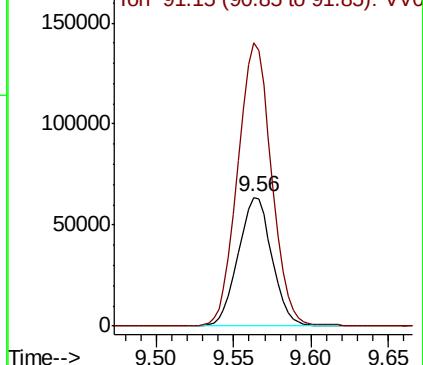
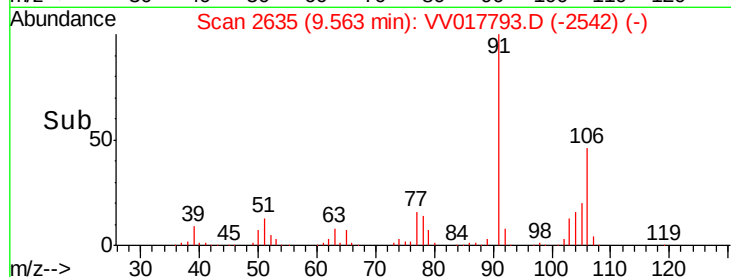
106 100

91 219.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.124 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017793.D

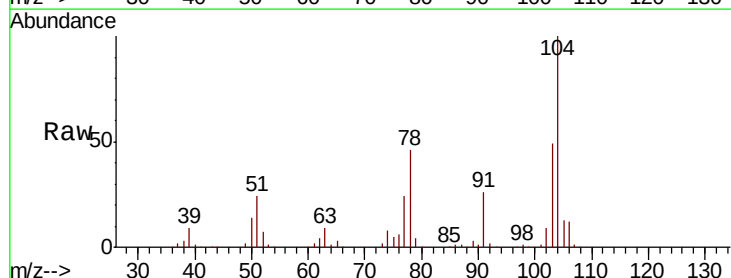
Acq: 03 Aug 2020 13:38

Tgt Ion:104 Resp: 169443

Ion Ratio Lower Upper

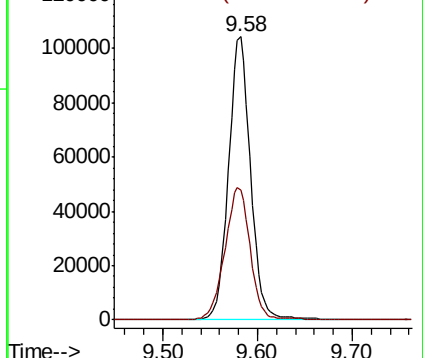
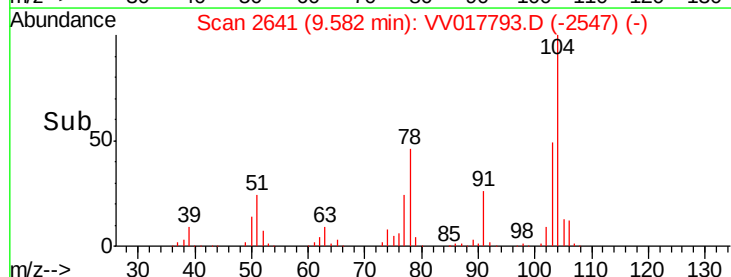
104 100

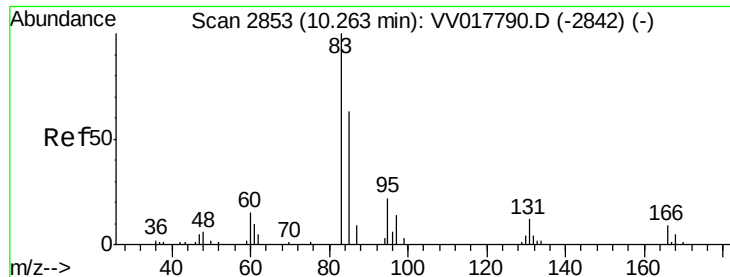
78 45.7 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.350 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

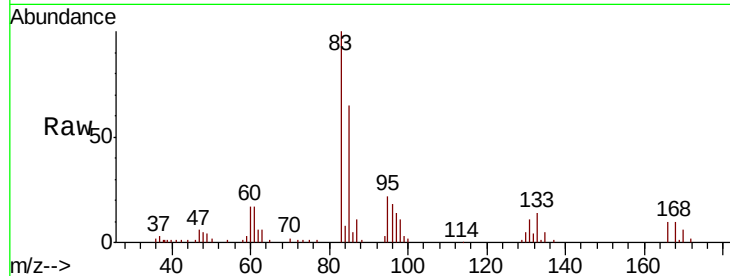
Tot Ion: 83 Resp: 35368

Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.6

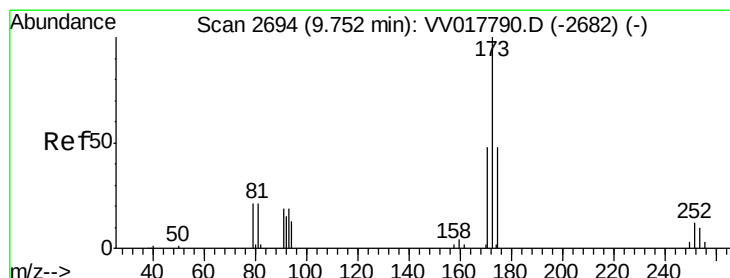
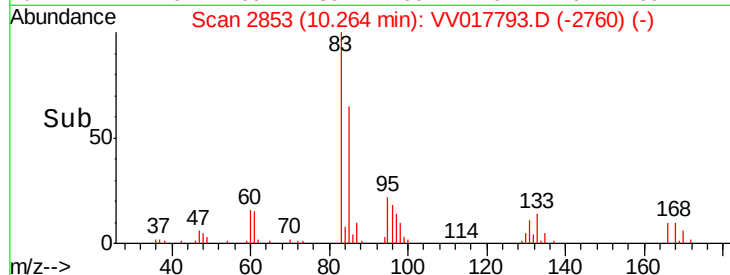
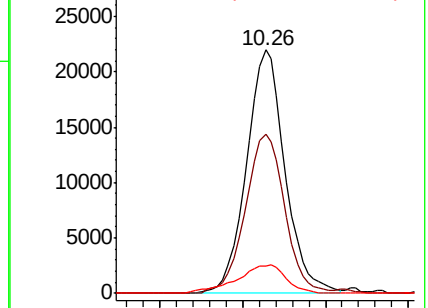
131 11.4 8.3 12.5



Abundance Ion 82.95 (82.65 to 83.65): VV017793.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017793.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017793.D (-2760) (-)



#59

Bromoform

Concen: 5.261 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

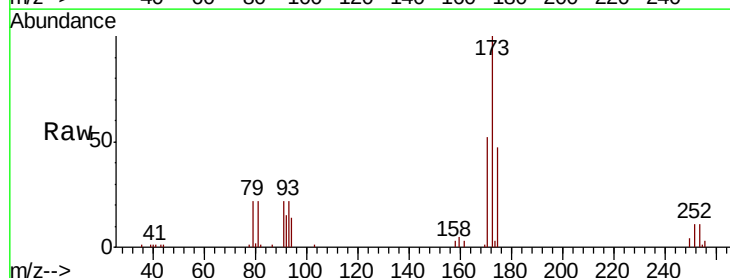
Tgt Ion: 173 Resp: 28328

Ion Ratio Lower Upper

173 100

175 48.1 38.3 57.5

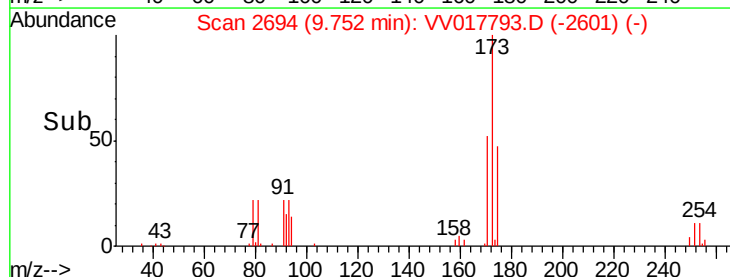
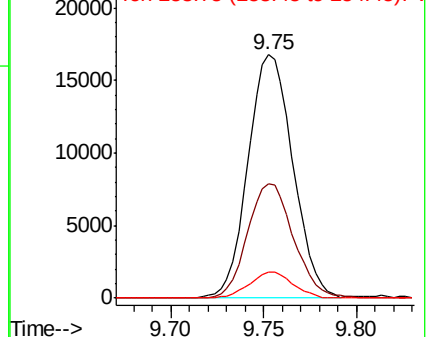
254 10.2 8.6 13.0

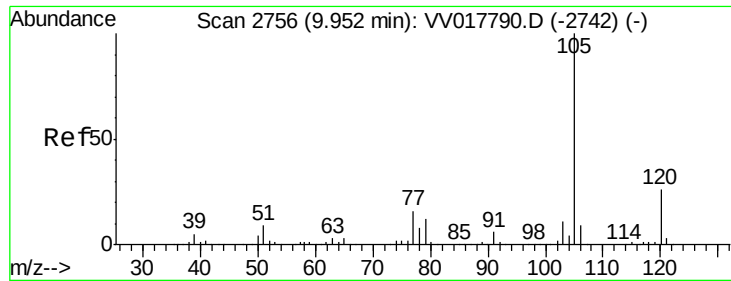


Abundance Ion 172.90 (172.60 to 173.60): VV017793.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV017793.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV017793.D (-2601) (-)





#60

Isopropylbenzene

Concen: 4.814 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

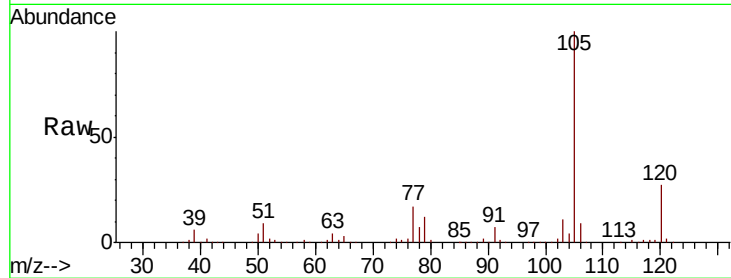
Tot Ion:105 Resp: 273944

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

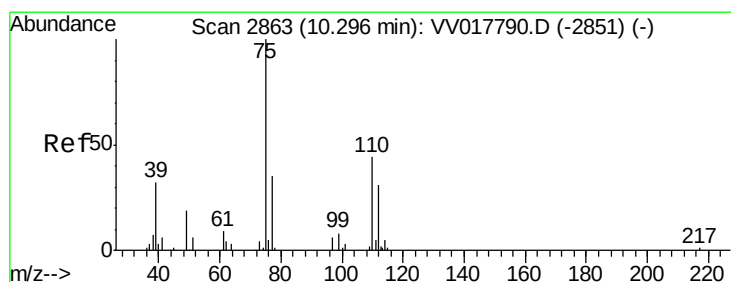
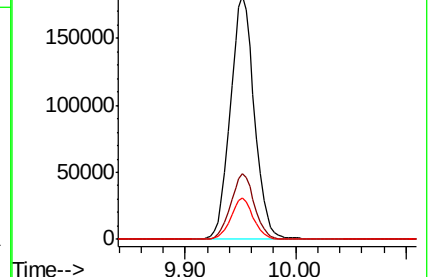
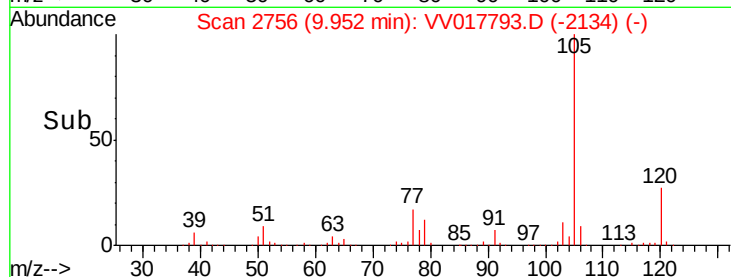
77 16.2 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.598 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

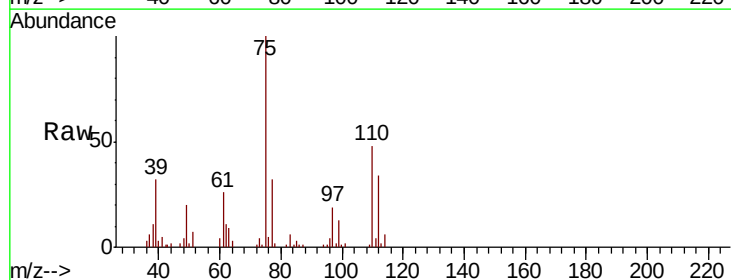
Tgt Ion: 75 Resp: 29847

Ion Ratio Lower Upper

75 100

77 32.0 26.8 40.2

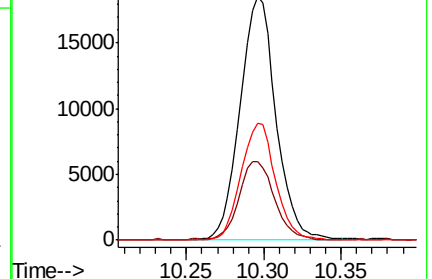
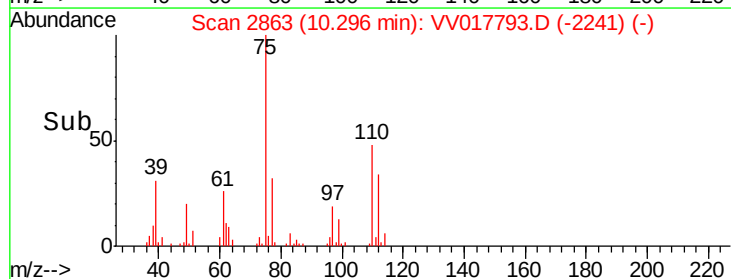
110 46.1 35.0 52.6

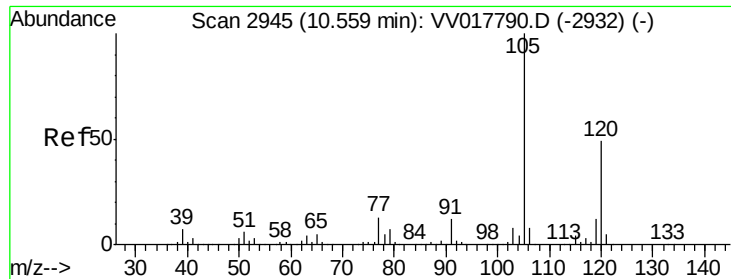


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

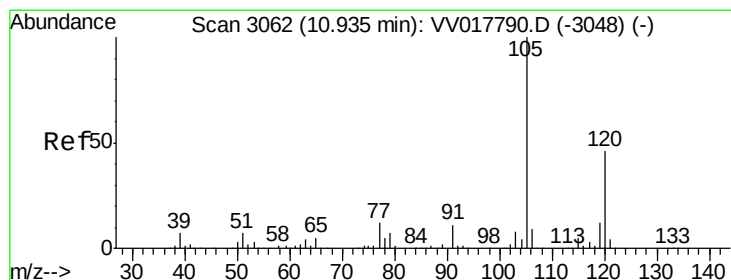
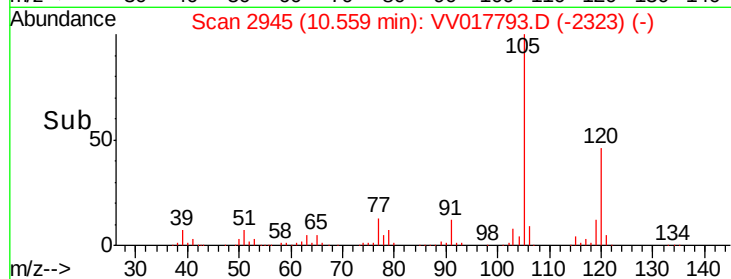
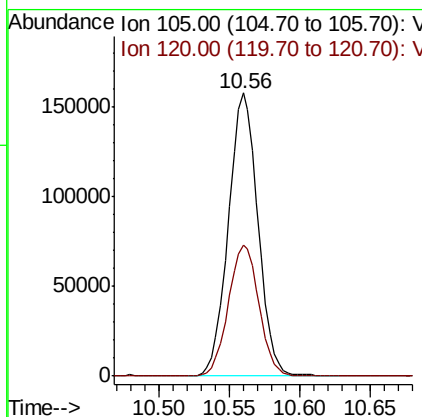
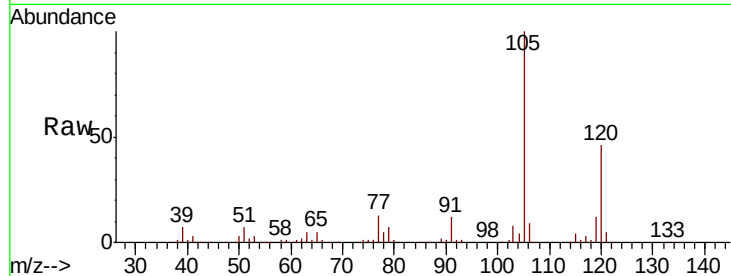




#62
 1,3,5-Trimethylbenzene
 Concen: 4.928 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

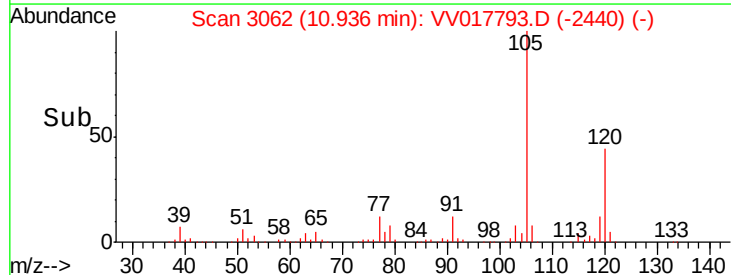
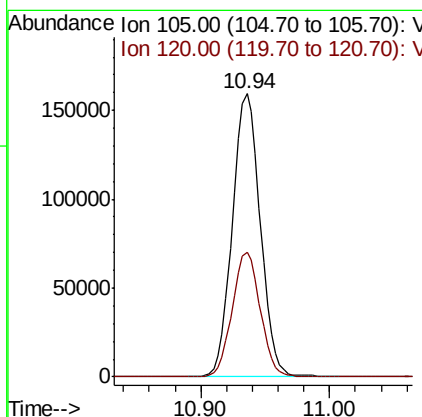
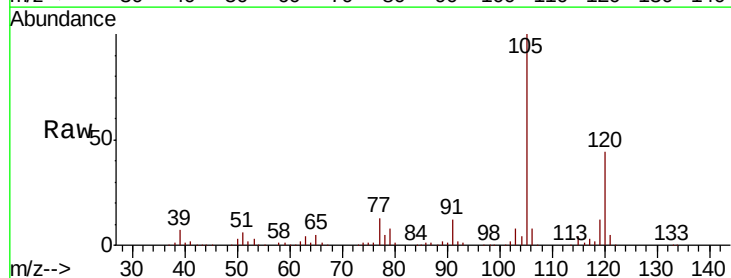
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

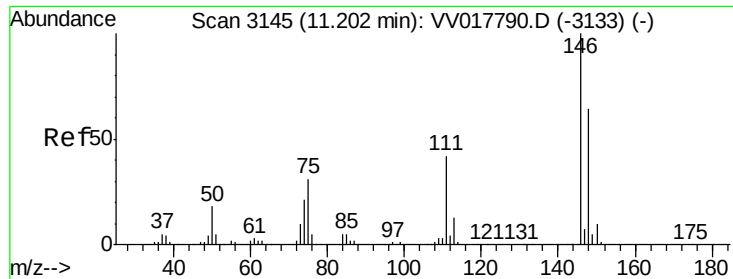
Tot Ion:105 Resp: 231539
 Ion Ratio Lower Upper
 105 100
 120 47.8 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.131 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion:105 Resp: 239563
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.8 53.8

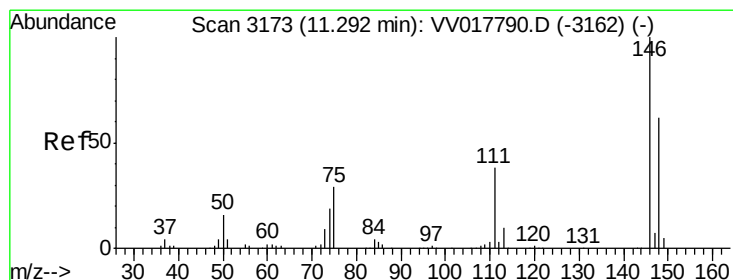
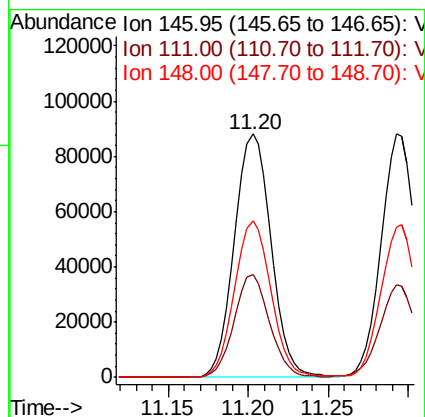
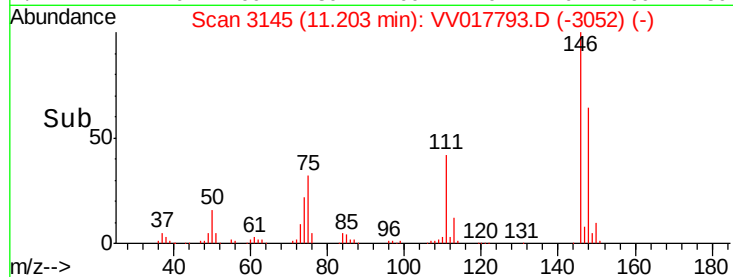
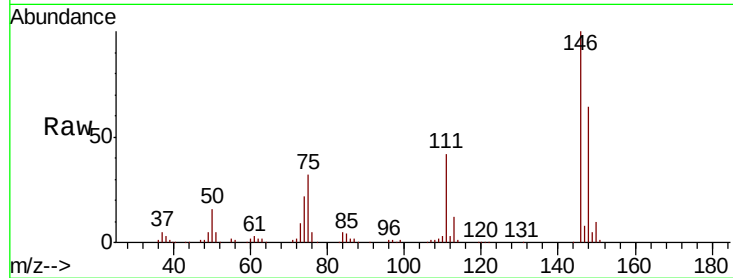




#64
 1,3-Dichlorobenzene
 Concen: 4.869 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

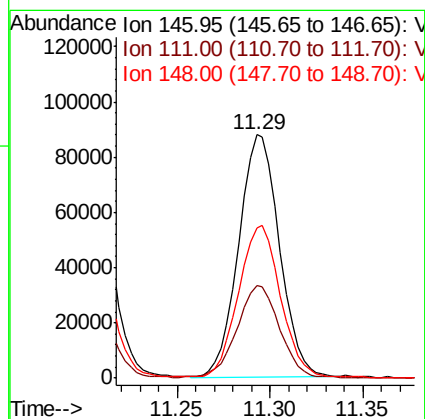
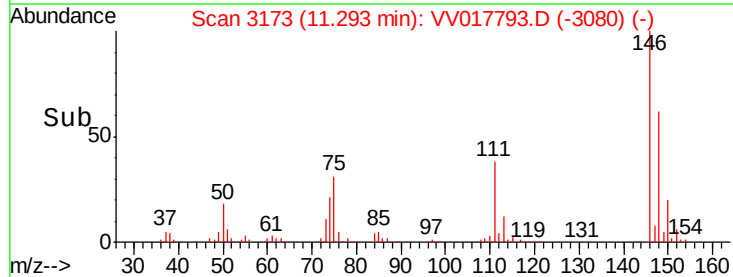
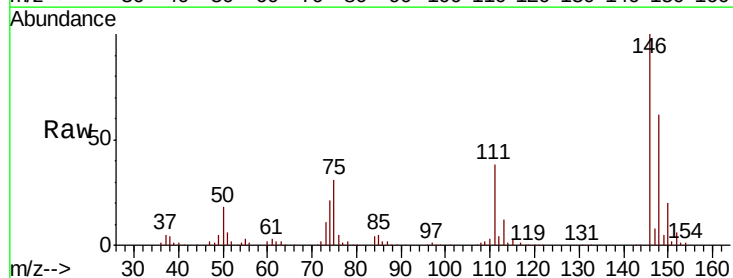
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

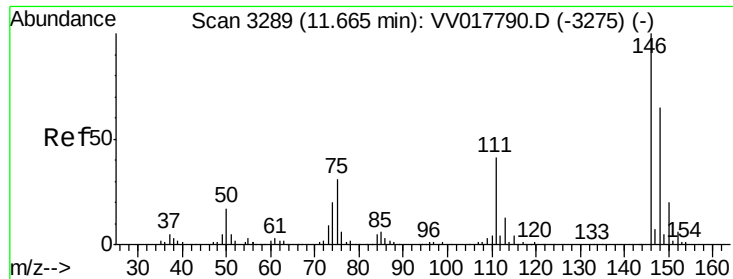
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	27.2	50.6
148	64.4	44.5	82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.647 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.8	48.0
148	61.8	43.8	81.3

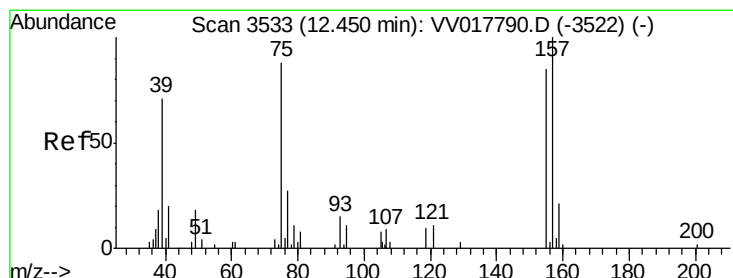
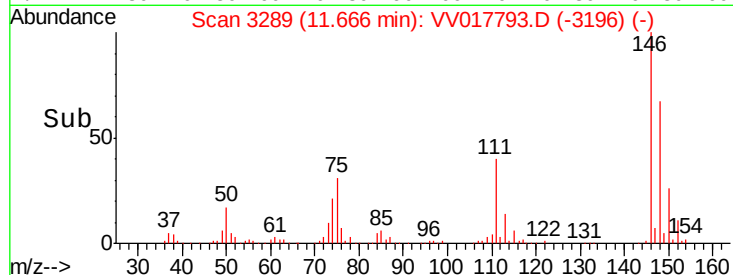
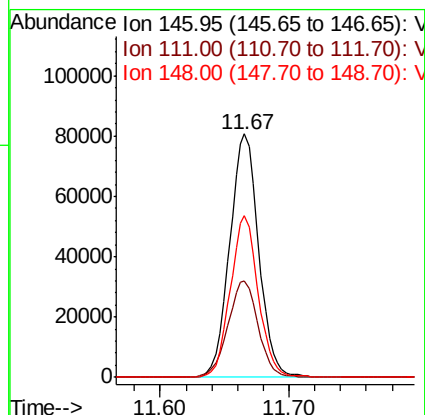
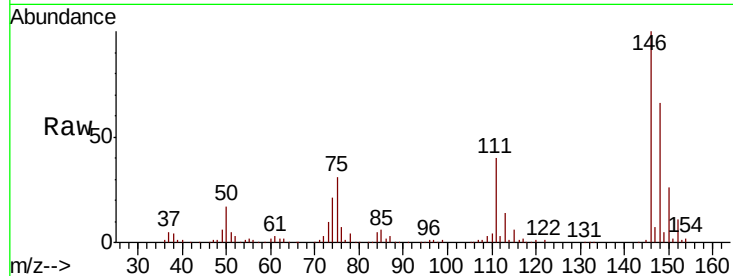




#67
 1,2-Dichlorobenzene
 Concen: 4.866 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

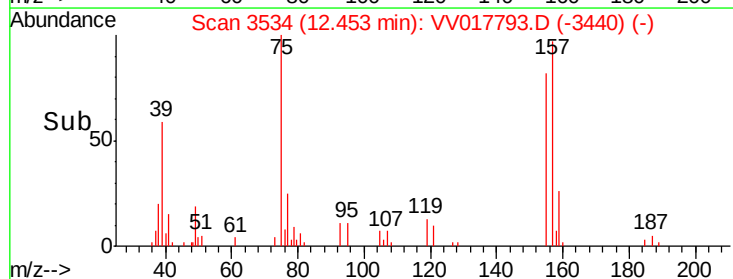
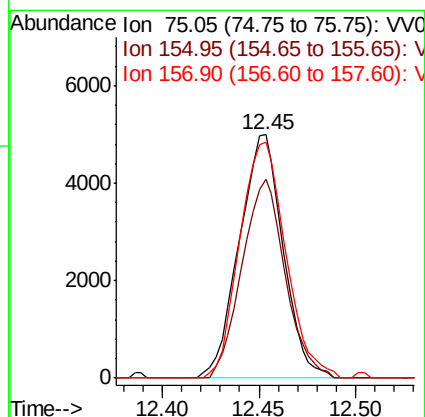
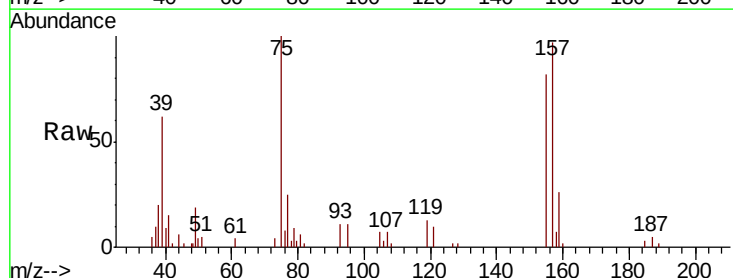
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

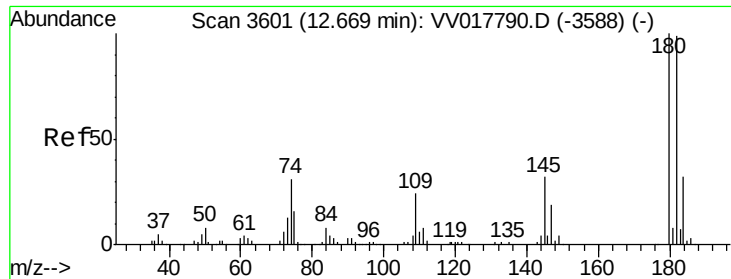
Tot Ion:146 Resp: 125378
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.4 48.6
 148 66.4 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.887 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion: 75 Resp: 7880
 Ion Ratio Lower Upper
 75 100
 155 81.6 75.0 112.6
 157 97.1 87.8 131.6

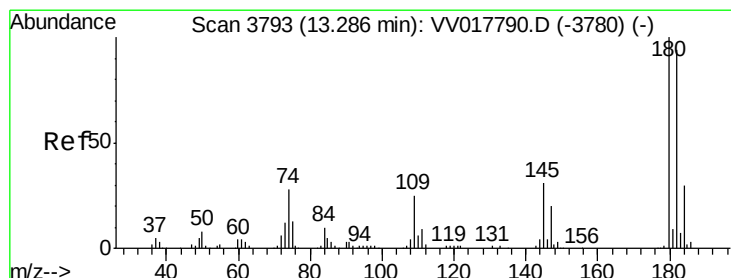
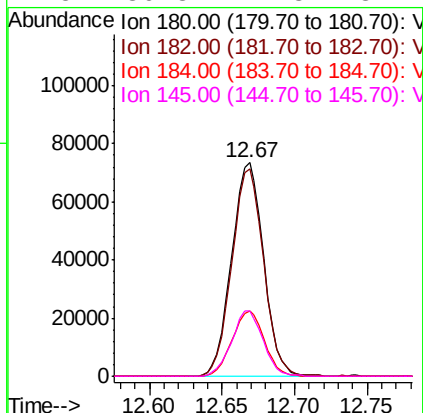
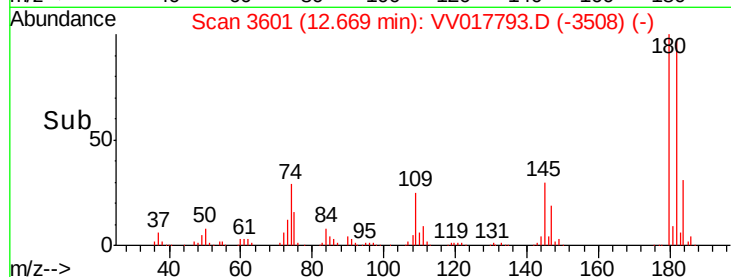
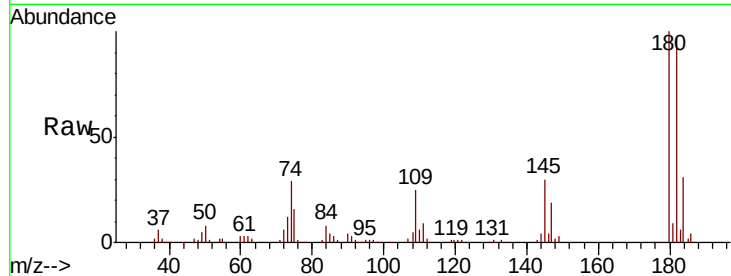




#69
 1,3,5-Trichlorobenzene
 Concen: 4.787 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

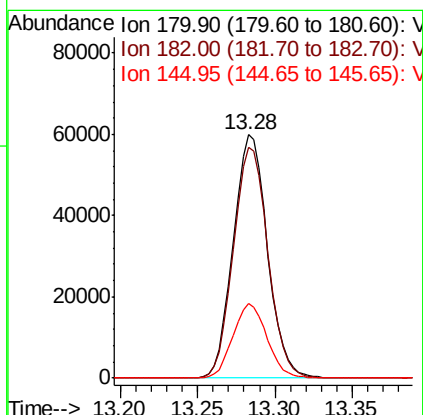
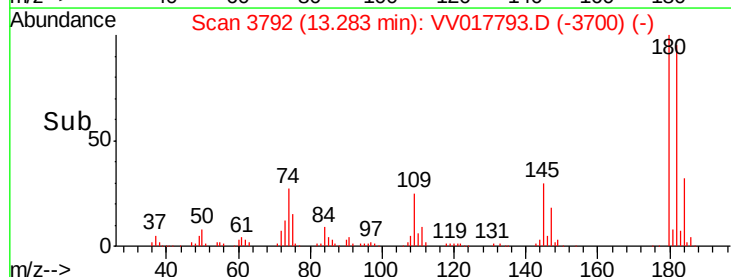
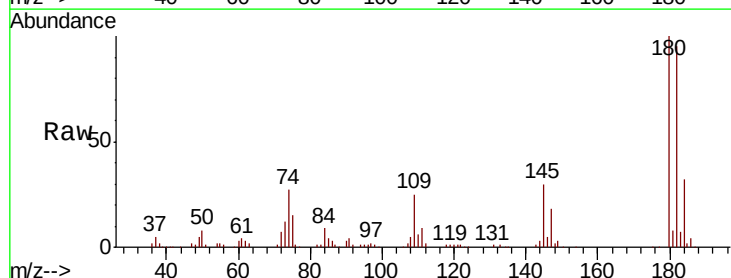
Instrument :
 MSVOA_V
 ClientSampled :
 A5169MSD

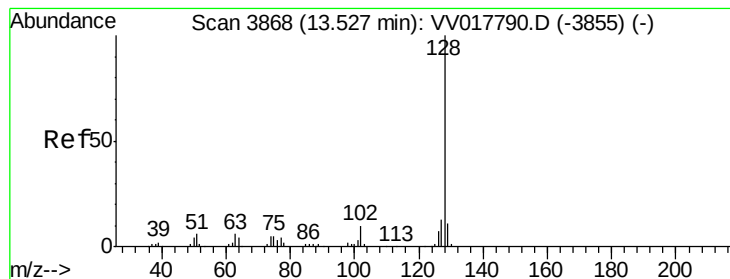
Tot Ion:180	Resp:	112230
Ion Ratio	Lower	Upper
180 100		
182 96.5	77.1	115.7
184 30.7	24.6	36.8
145 30.3	22.8	34.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.949 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017793.D
 Acq: 03 Aug 2020 13:38

Tgt Ion	180	Resp:	91814
	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	30.5	24.3	36.5





#71

Naphthalene

Concen: 4.941 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

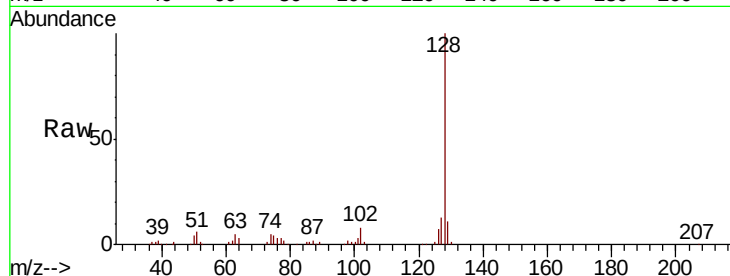
Tot Ion:128 Resp: 127174

Ion Ratio Lower Upper

128 100

129 10.0 9.1 13.7

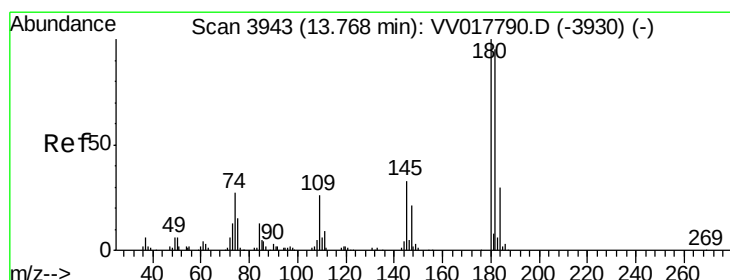
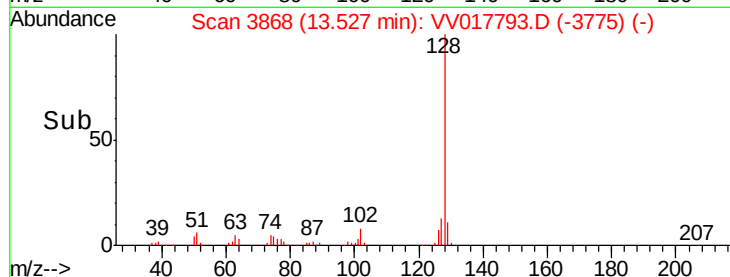
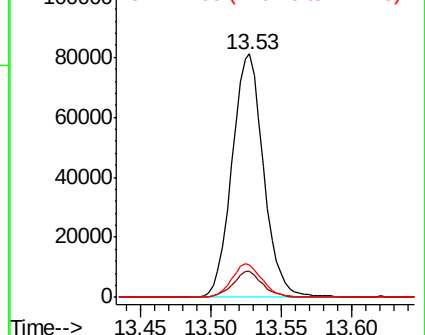
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 4.976 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

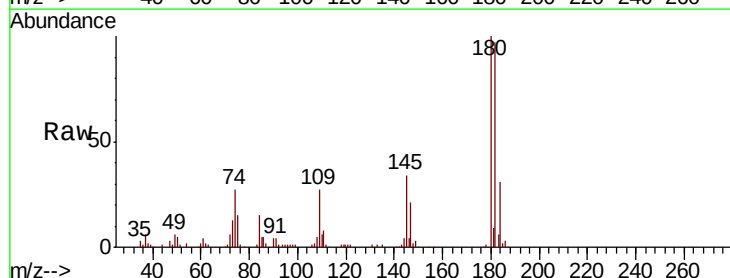
Tgt Ion:180 Resp: 81825

Ion Ratio Lower Upper

180 100

182 95.2 78.5 117.7

145 32.3 25.8 38.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

