

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\
 Data File : VV017794.D
 Acq On : 03 Aug 2020 15:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

Quant Time: Aug 04 01:51:11 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	167560	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	159887	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	90305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38425	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	35044	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.12	63	88103	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	3.95	46	99232	46.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.14%
24) Chloroform-d	4.37	84	107429	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.05	65	58329	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.07	84	172016	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.09	67	45009	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.33	98	157351	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.64	79	23491	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.11	63	73067	41.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.90%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	35579	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
66) 1,2-Dichlorobenzene-d4	11.65	152	72353	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	76505	4.006 ug/L	98
3) Chloromethane	1.25	50	49898	4.564 ug/L	98
5) Vinyl chloride	1.32	62	53960	4.825 ug/L	98
6) Bromomethane	1.53	94	36215	5.418 ug/L	99
8) Chloroethane	1.59	64	33763	5.556 ug/L	97
9) Trichlorofluoromethane	1.76	101	111899	5.849 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50893	6.124 ug/L	98
12) 1,1-Dichloroethene	2.13	96	45085	5.857 ug/L	99
13) Acetone	2.23	43	58572	49.416 ug/L	66
14) Carbon disulfide	2.31	76	130896	6.090 ug/L	99
15) Methyl Acetate	2.46	43	12261	5.034 ug/L	98
16) Methylene chloride	2.52	84	53836	6.820 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	116640	4.819 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	49653	4.477 ug/L	98
19) 1,1-Dichloroethane	3.20	63	89005	4.487 ug/L	99
21) 2-Butanone	4.03	43	97019	41.485 ug/L #	69
22) cis-1,2-Dichloroethene	3.93	96	56242	4.762 ug/L	96

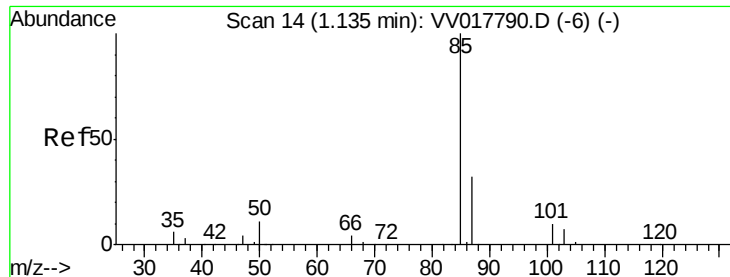
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	25829	4.986	ug/L	85
25) Chloroform	4.40	83	107245	4.312	ug/L	96
27) 1,2-Dichloroethane	5.15	62	70209	5.115	ug/L	96
29) 1,1,1-Trichloroethane	4.63	97	107295	5.428	ug/L	99
30) Cyclohexane	4.69	56	70009	4.141	ug/L	93
31) Carbon tetrachloride	4.85	117	97688	5.493	ug/L	99
33) Benzene	5.12	78	200495	4.616	ug/L	100
34) Trichloroethene	5.93	95	58335	4.710	ug/L	99
35) Methylcyclohexane	6.15	83	84021	4.330	ug/L	98
37) 1,2-Dichloropropane	6.20	63	44506	4.429	ug/L #	93
38) Bromodichloromethane	6.53	83	73910	5.210	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	75475	4.790	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	232289	40.983	ug/L	98
42) Toluene	7.41	91	228387	4.729	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	65026	5.105	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	33536	4.376	ug/L	94
47) Tetrachloroethene	7.99	164	51635	4.771	ug/L	98
48) 2-Hexanone	8.16	43	169001	42.189	ug/L	97
49) Dibromochloromethane	8.26	129	49161	5.232	ug/L	100
50) 1,2-Dibromoethane	8.37	107	32129	4.486	ug/L #	99
51) Chlorobenzene	8.90	112	152764	4.732	ug/L	100
52) Ethylbenzene	9.03	91	259730	4.713	ug/L	98
53) m,p-xylene	9.16	106	98792	4.710	ug/L	88
54) o-xylene	9.56	106	93688	4.719	ug/L	89
55) Styrene	9.58	104	166007	4.963	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	33779	4.107	ug/L #	98
59) Bromoform	9.75	173	27779	5.089	ug/L	99
60) Isopropylbenzene	9.95	105	267531	4.637	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	28771	4.371	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	230890	4.847	ug/L	96
63) 1,2,4-Trimethylbenzene	10.93	105	238801	5.045	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	139137	4.840	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	132874	4.535	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	123944	4.744	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	7122	5.248	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	114045	4.798	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	91148	4.846	ug/L	100
71) Naphthalene	13.52	128	118180	4.528	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	78139	4.687	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.006 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

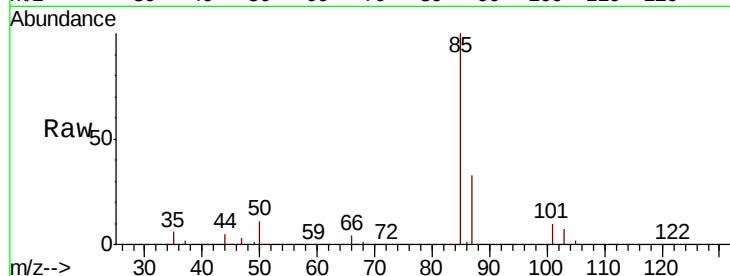
VSTD005003

Tot Ion: 85 Resp: 76505

Ion Ratio Lower Upper

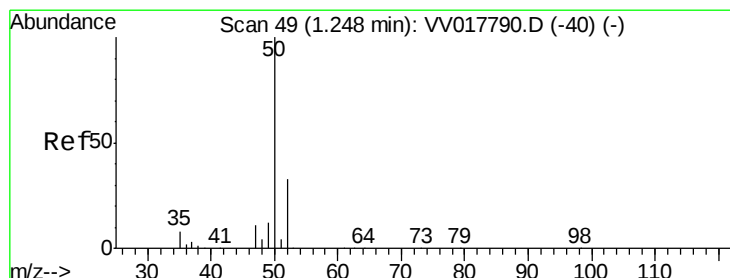
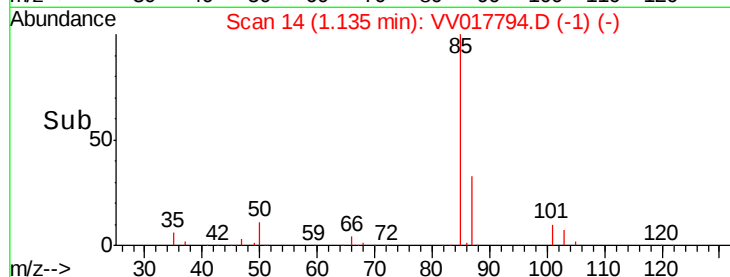
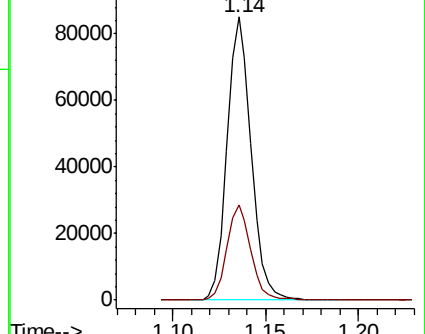
85 100

87 33.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017790.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017794.D (-1) (-)



#3

Chloromethane

Concen: 4.564 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017794.D

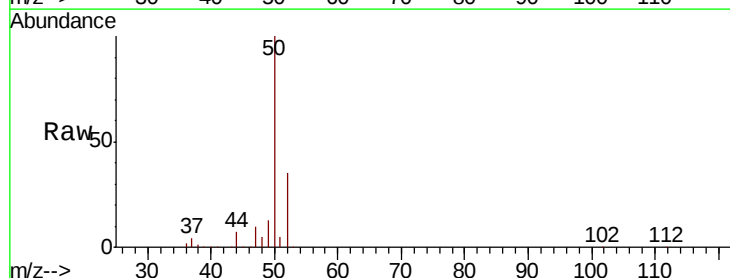
Acq: 03 Aug 2020 15:36

Tgt Ion: 50 Resp: 49898

Ion Ratio Lower Upper

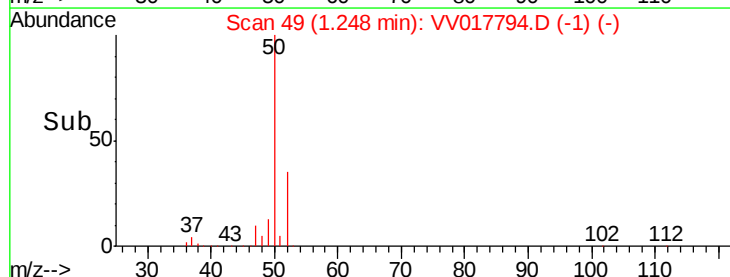
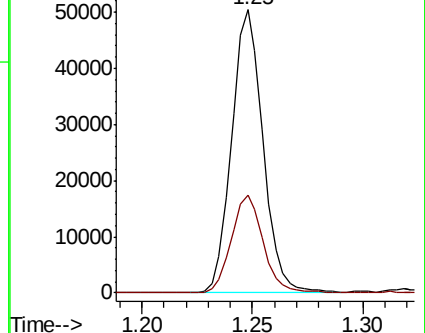
50 100

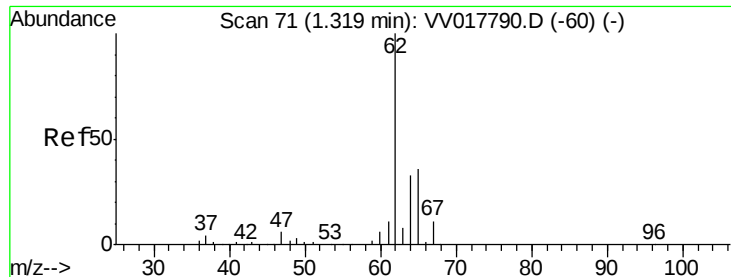
52 34.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV017790.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017794.D (-1) (-)





#5

Vinyl chloride

Concen: 4.825 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

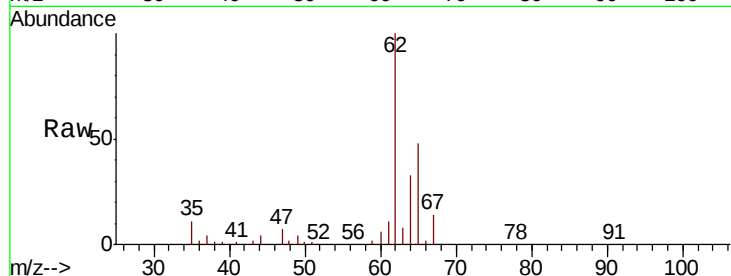
VSTD005003

Tot Ion: 62 Resp: 53960

Ion Ratio Lower Upper

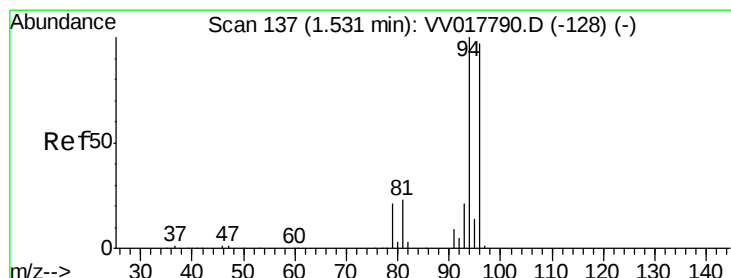
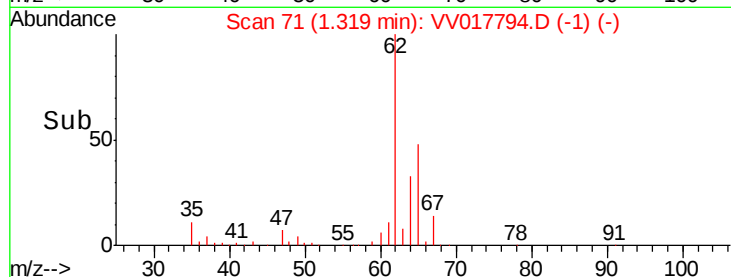
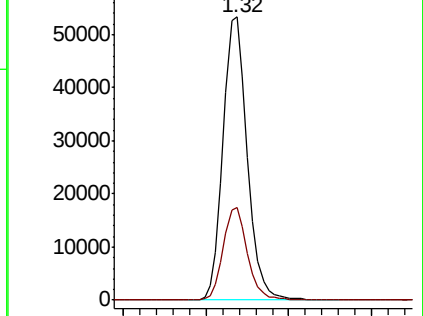
62 100

64 32.8 22.0 41.0



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

Ion 64.10 (63.80 to 64.80): VV017790.D (-60) (-)



#6

Bromomethane

Concen: 5.418 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017794.D

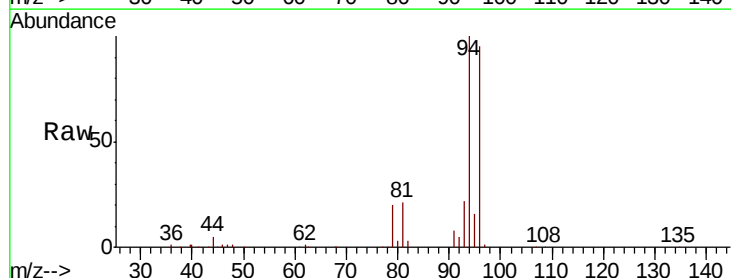
Acq: 03 Aug 2020 15:36

Tgt Ion: 94 Resp: 36215

Ion Ratio Lower Upper

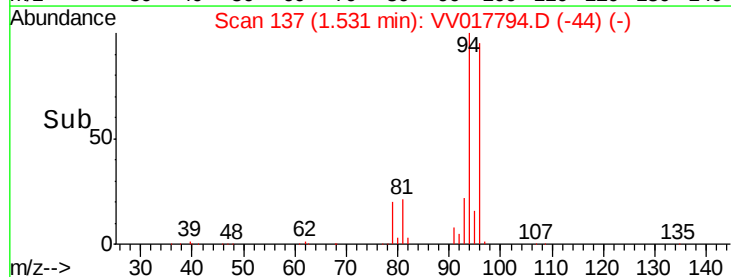
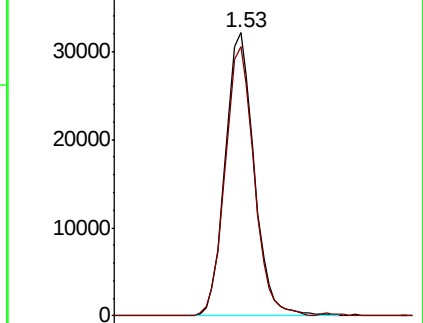
94 100

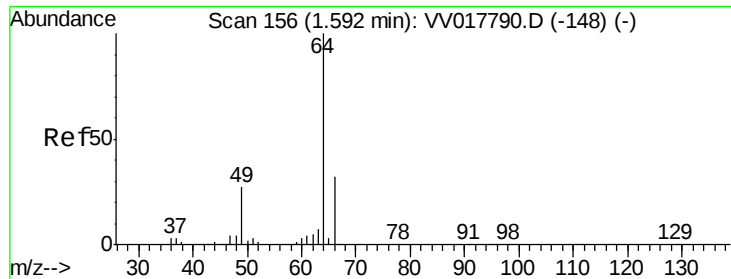
96 95.3 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV017794.D (-44) (-)

Ion 96.00 (95.70 to 96.70): VV017794.D (-44) (-)

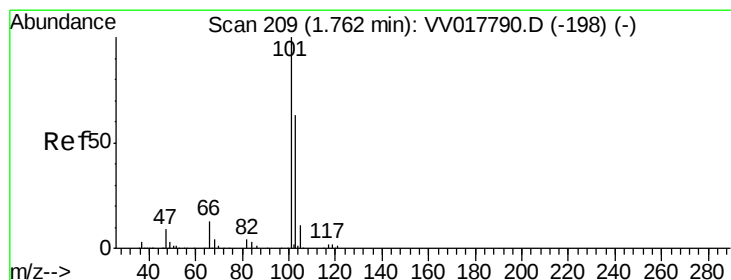
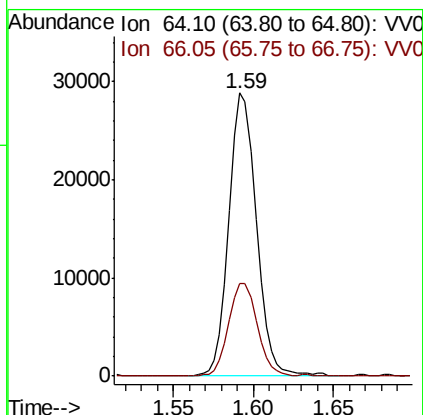
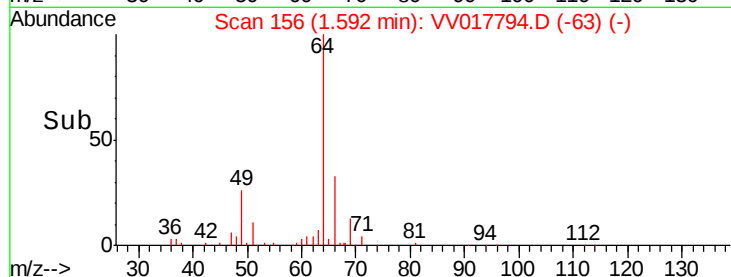
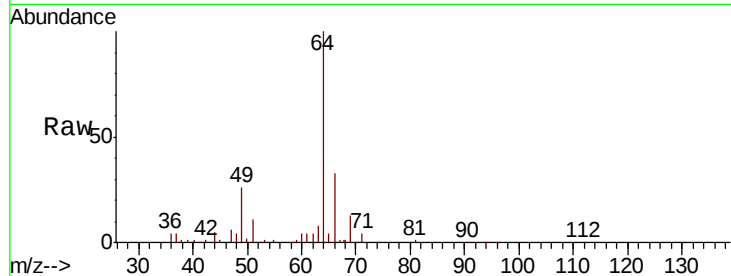




#8
Chloroethane
Concen: 5.556 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

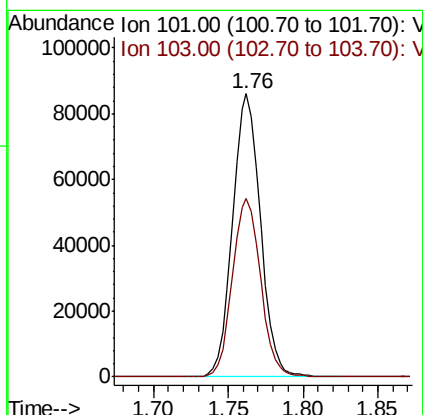
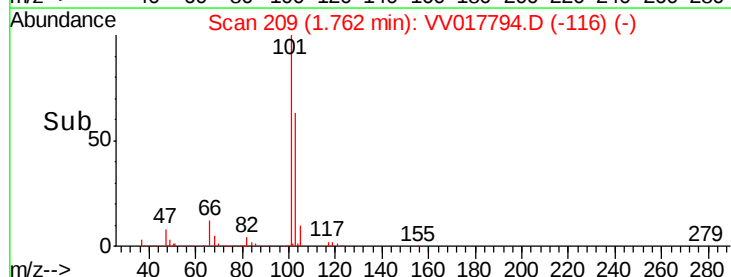
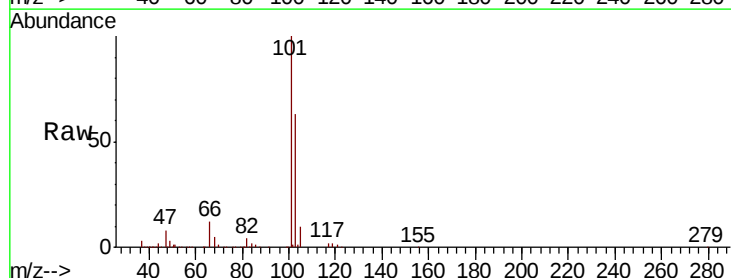
Instrument :
MSVOA_V
ClientSampleId :
VSTD005003

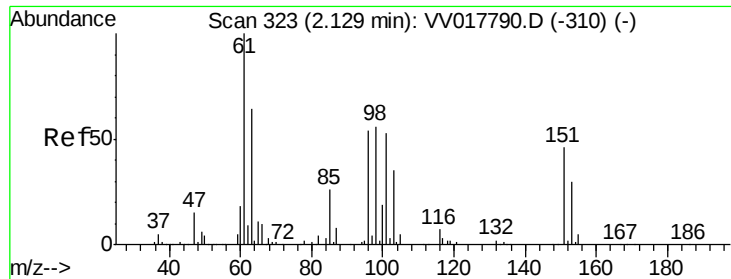
Tot Ion: 64 Resp: 33763
Ion Ratio Lower Upper
64 100
66 32.5 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.849 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Tgt Ion:101 Resp: 111899
Ion Ratio Lower Upper
101 100
103 63.8 52.6 79.0





#10

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

Concen: 6.124 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

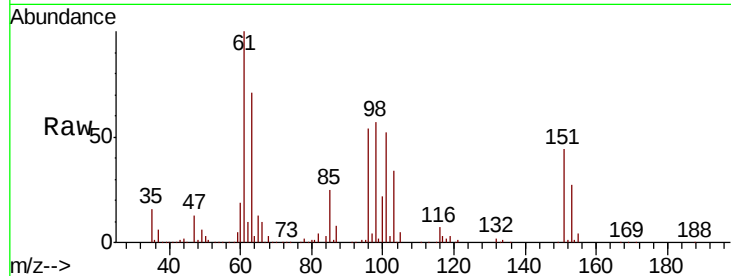
Tot Ion:101 Resp: 50893

Ion Ratio Lower Upper

101 100

85 46.7 37.8 56.8

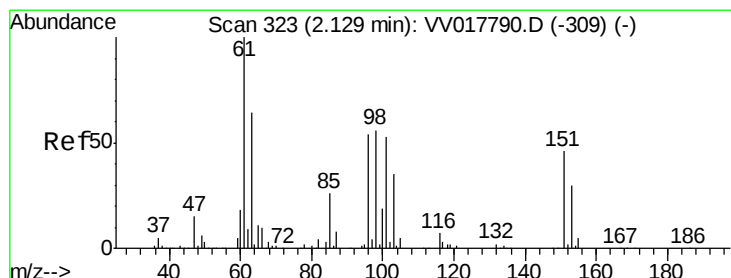
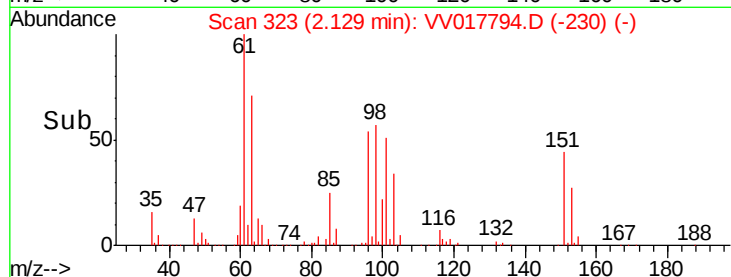
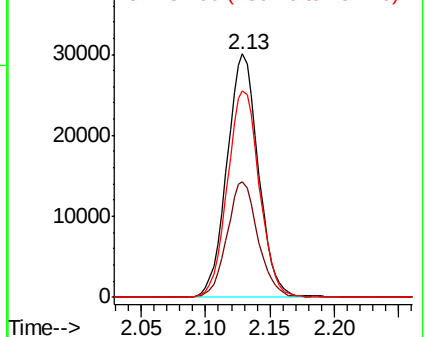
151 86.2 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): VV017790.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017790.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017790.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.857 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

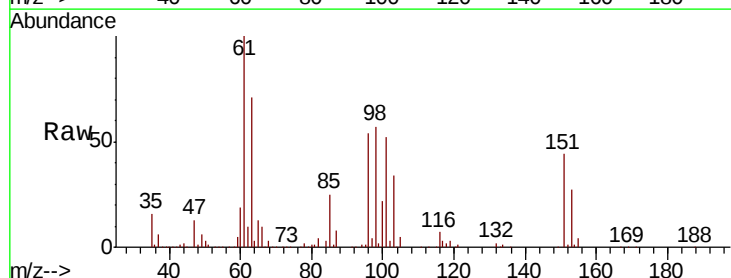
Tgt Ion: 96 Resp: 45085

Ion Ratio Lower Upper

96 100

61 185.1 127.8 237.4

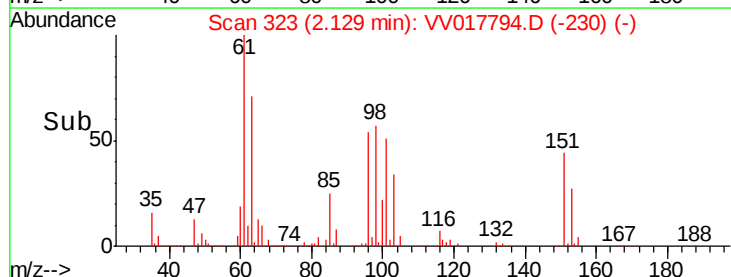
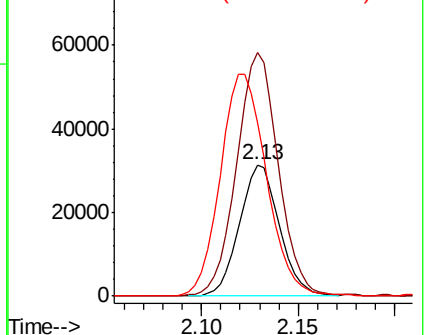
63 131.4 92.7 172.3

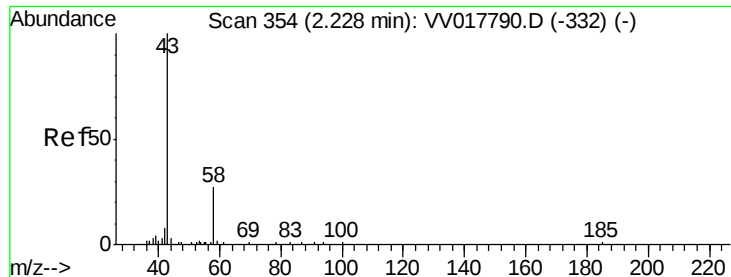


Abundance Ion 96.00 (95.70 to 96.70): VV017790.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV017790.D (-309) (-)

Ion 63.00 (62.70 to 63.70): VV017790.D (-309) (-)





#13

Acetone

Concen: 49.416 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

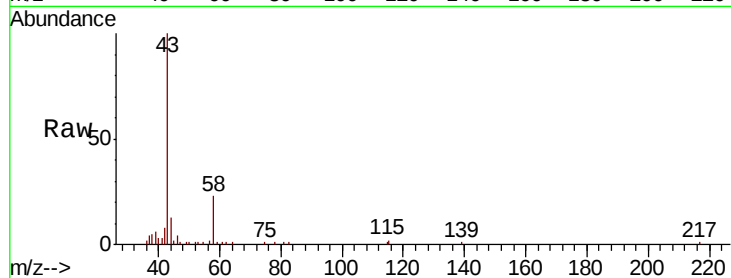
VSTD005003

Tot Ion: 43 Resp: 58572

Ion Ratio Lower Upper

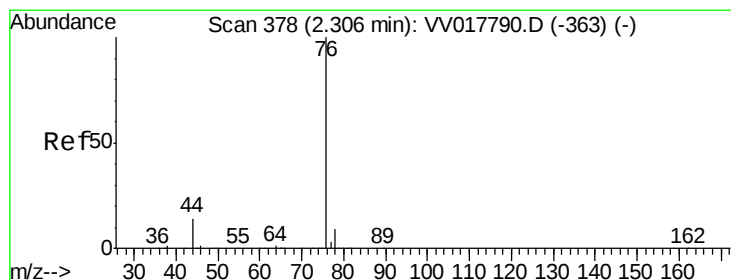
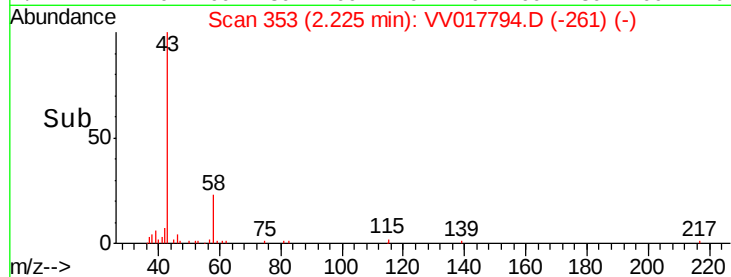
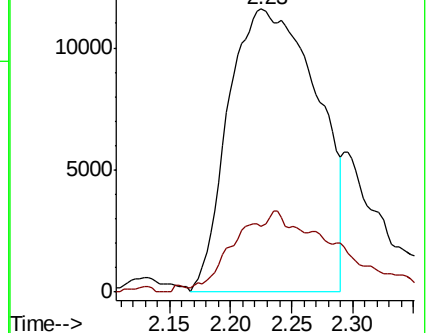
43 100

58 8.8 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV017794.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV017794.D (-332) (-)



#14

Carbon disulfide

Concen: 6.090 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017794.D

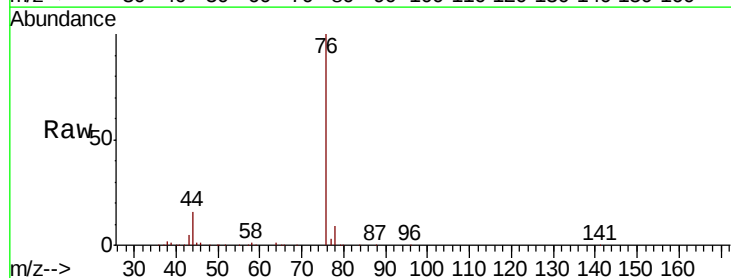
Acq: 03 Aug 2020 15:36

Tgt Ion: 76 Resp: 130896

Ion Ratio Lower Upper

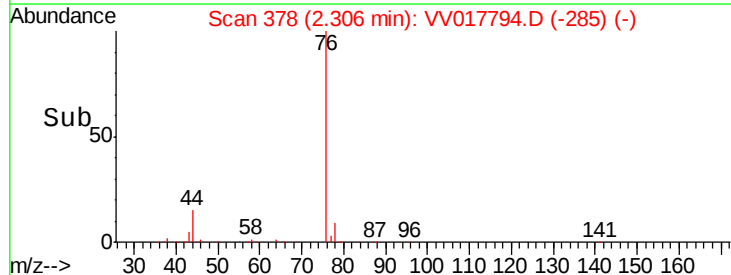
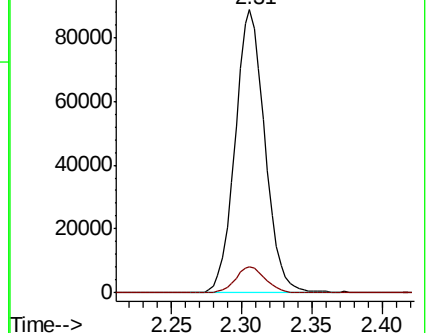
76 100

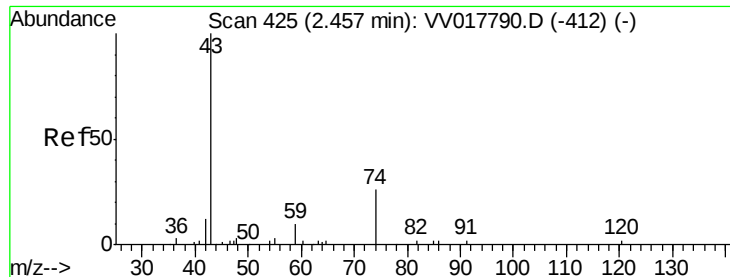
78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV017794.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV017794.D (-363) (-)





#15

Methvl Acetate

Concen: 5.034 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

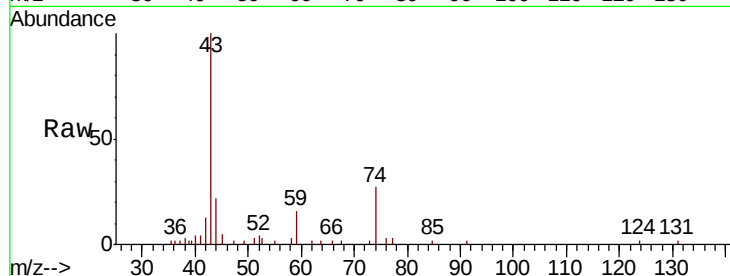
VSTD005003

Tot Ion: 43 Resp: 12261

Ion Ratio Lower Upper

43 100

74 29.2 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

6000

5000

4000

3000

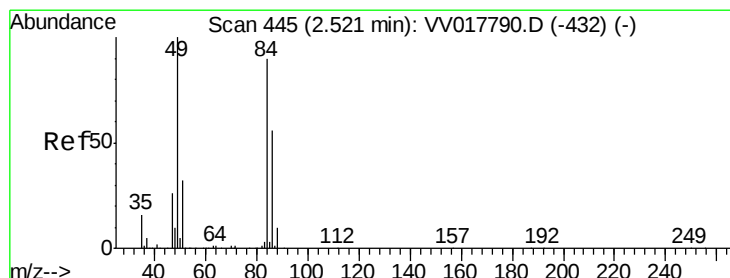
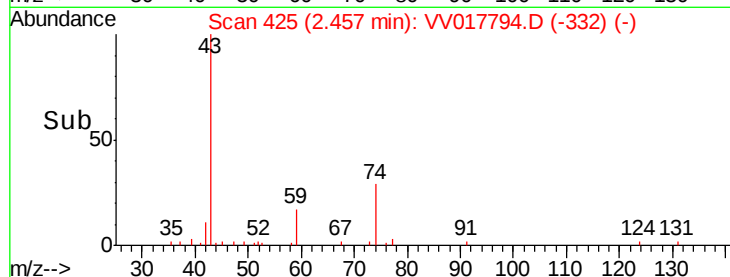
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 6.820 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

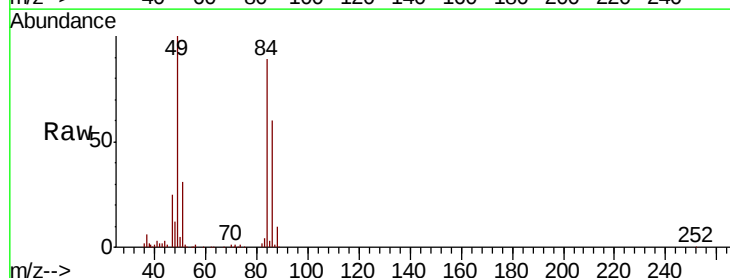
Tgt Ion: 84 Resp: 53836

Ion Ratio Lower Upper

84 100

86 67.3 44.9 83.3

49 112.9 78.6 146.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

40000

30000

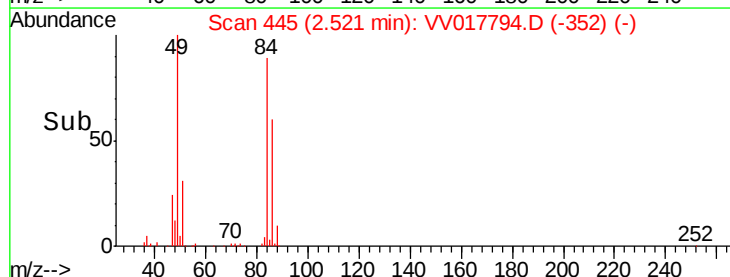
20000

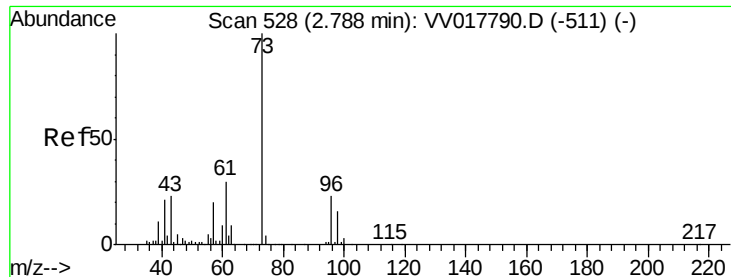
10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



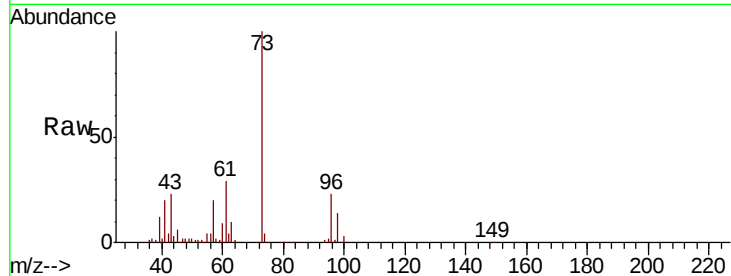


#17

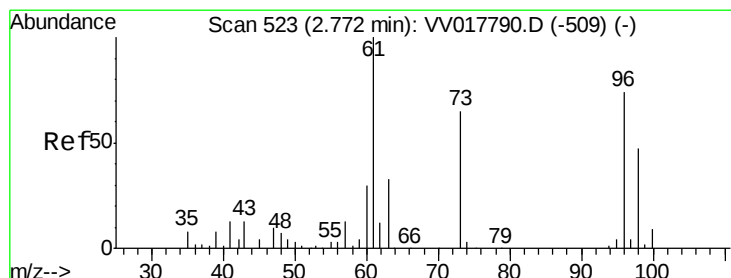
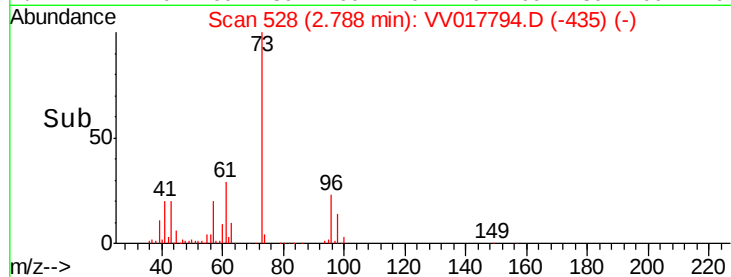
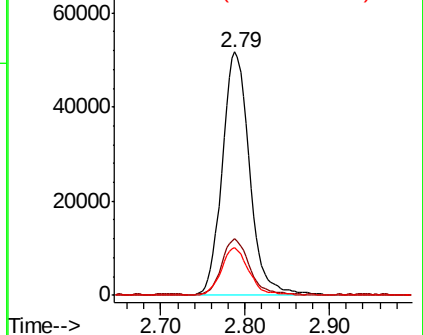
Methvl tert-butvl Ether
 Concen: 4.819 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

Tot Ion:	73	Resp:	116640
Ion	Ratio	Lower	Upper
73	100		
43	22.8	17.6	26.4
57	19.7	17.0	25.6



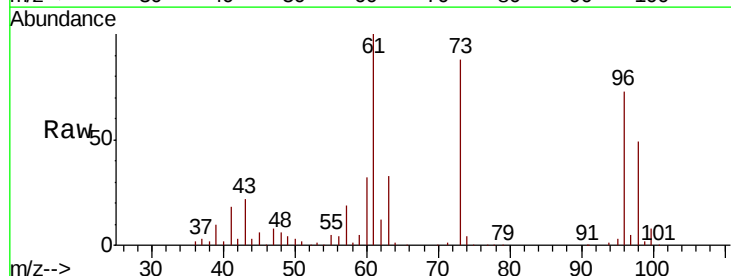
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



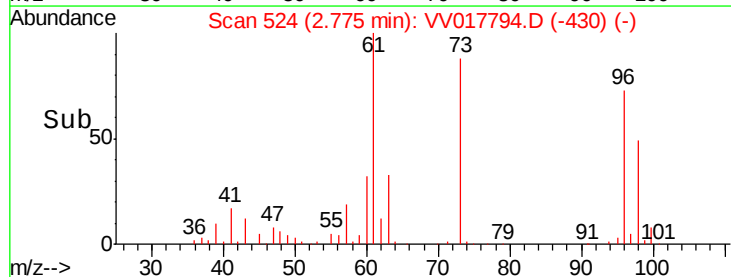
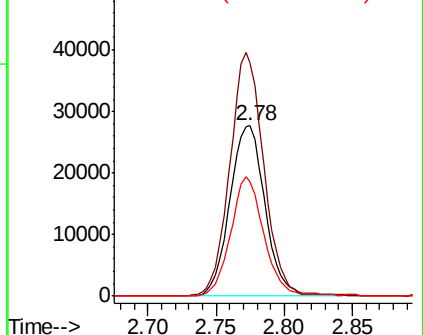
#18

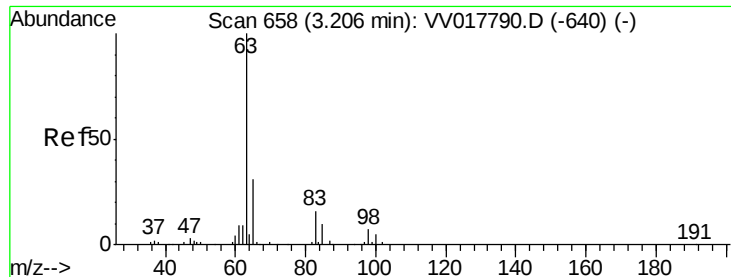
trans-1,2-Dichloroethene
 Concen: 4.477 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion:	96	Resp:	49653
Ion	Ratio	Lower	Upper
96	100		
61	137.2	97.2	180.6
98	67.4	45.0	83.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.487 ug/L

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

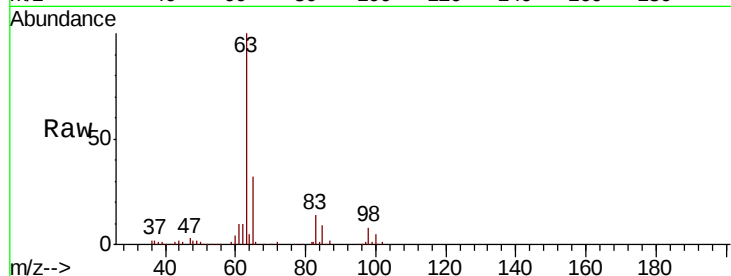
Tot Ion: 63 Resp: 89005

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.6

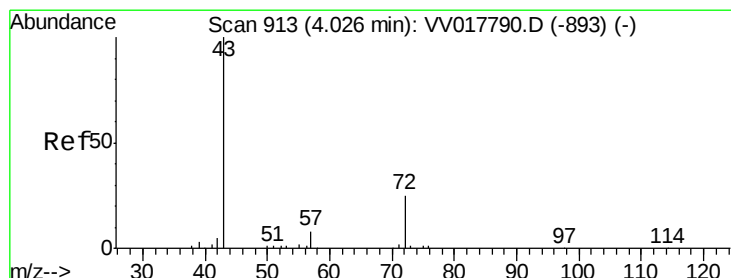
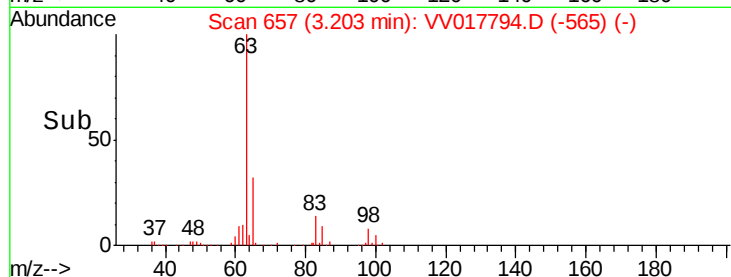
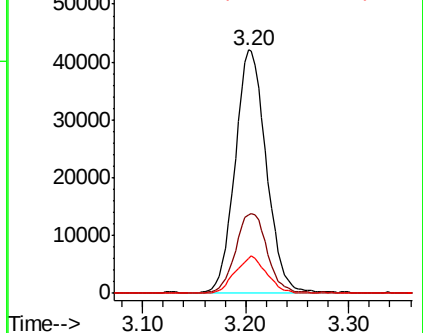
83 14.4 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017790.D (-640) (-)

Ion 65.10 (64.80 to 65.80): VV017790.D (-640) (-)

Ion 83.05 (82.75 to 83.75): VV017790.D (-640) (-)



#21

2-Butanone

Concen: 41.485 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VV017794.D

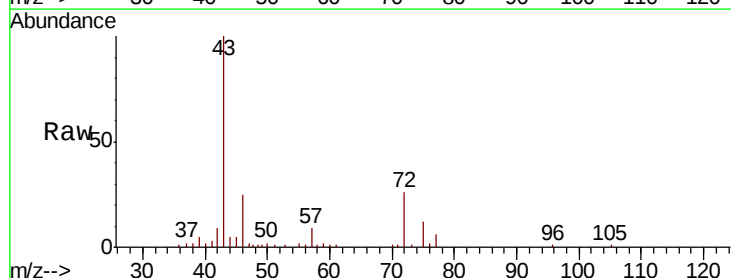
Acq: 03 Aug 2020 15:36

Tgt Ion: 43 Resp: 97019

Ion Ratio Lower Upper

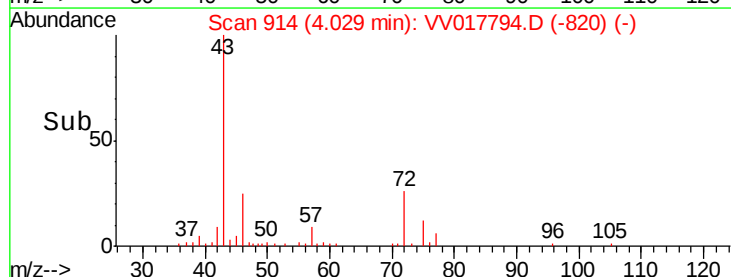
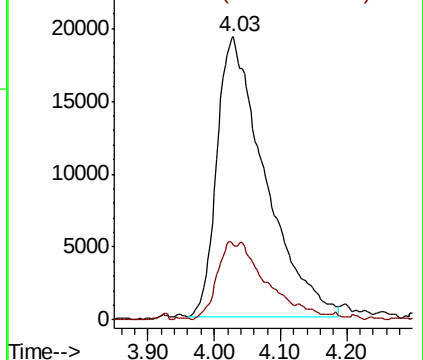
43 100

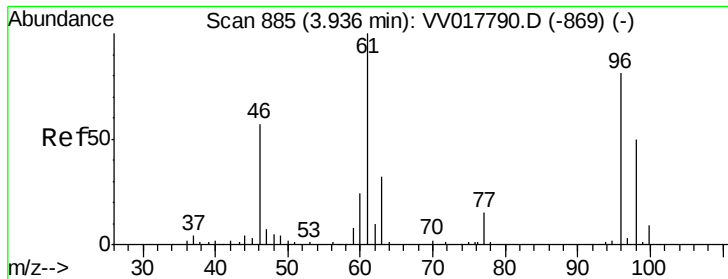
72 10.9 13.4 40.2#



Abundance Ion 43.05 (42.75 to 43.75): VV017790.D (-893) (-)

Ion 72.10 (71.80 to 72.80): VV017790.D (-893) (-)



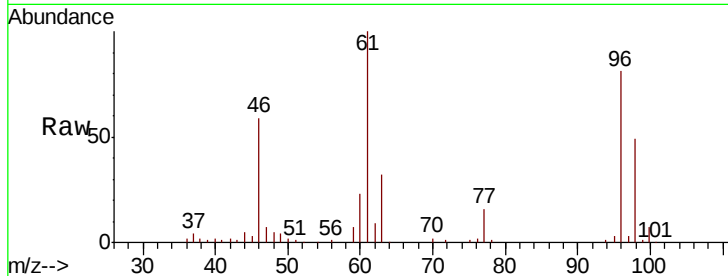


#22

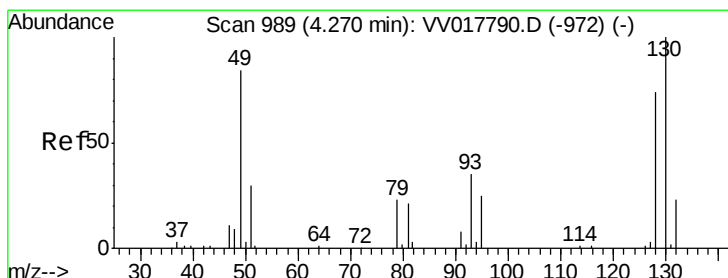
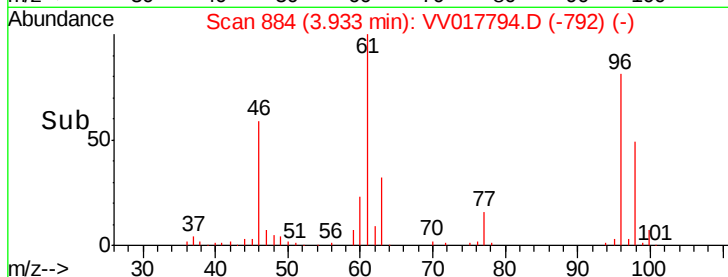
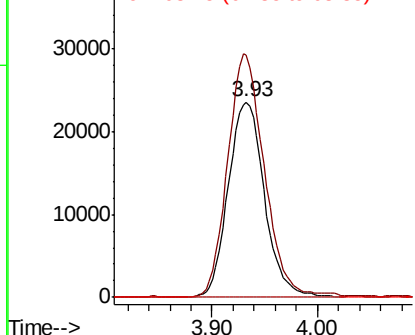
cis-1,2-Dichloroethene
 Concen: 4.762 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

Tot Ion: 96 Resp: 56242
 Ion Ratio Lower Upper
 96 100
 61 124.2 90.0 167.2
 68 0.0 0.0 0.0



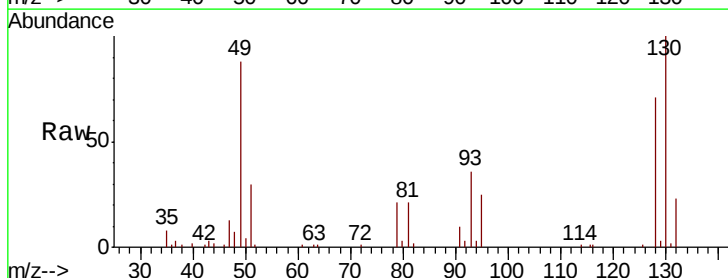
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



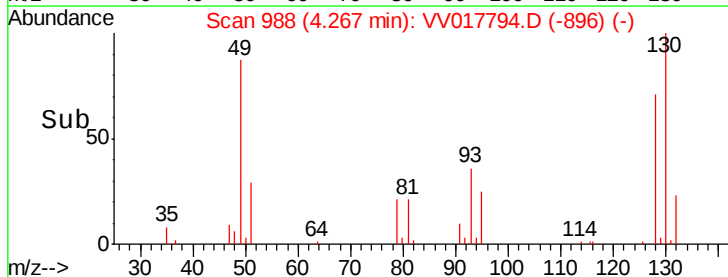
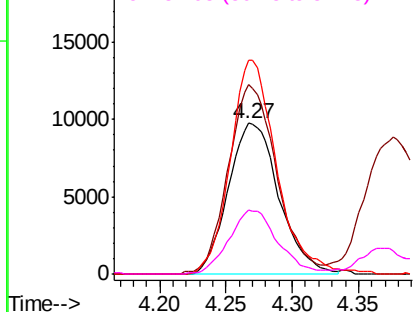
#23

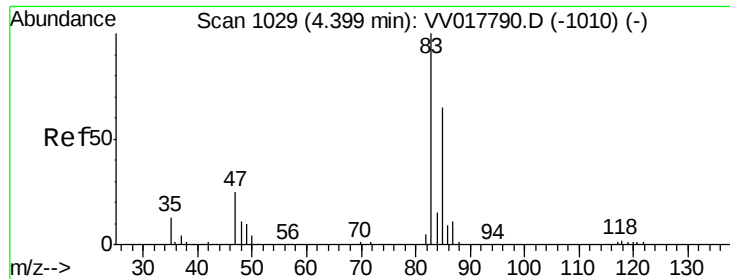
Bromochloromethane
 Concen: 4.986 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion: 128 Resp: 25829
 Ion Ratio Lower Upper
 128 100
 49 125.2 105.1 195.1
 130 141.6 88.9 165.1
 51 42.1 36.2 54.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

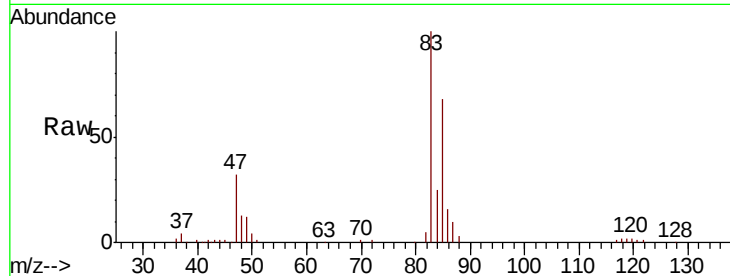




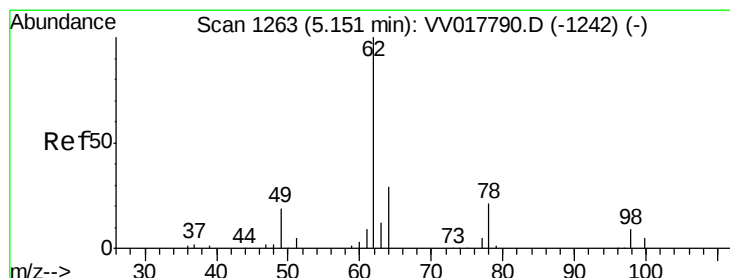
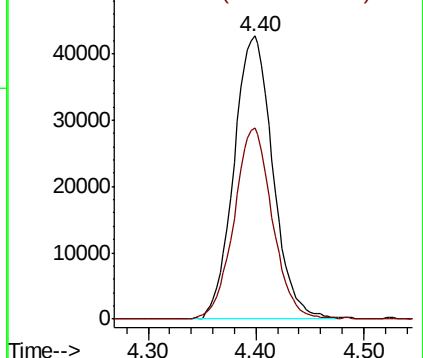
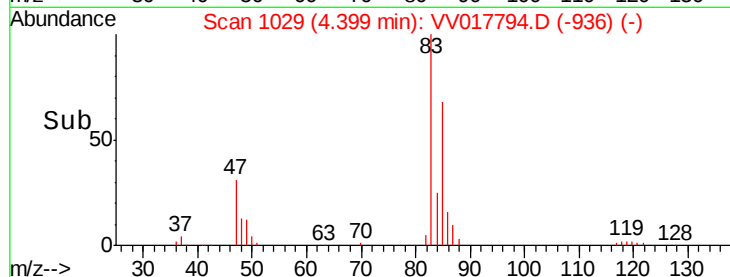
#25
Chloroform
Concen: 4.312 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD005003

Tot Ion: 83 Resp: 107245
Ion Ratio Lower Upper
83 100
85 67.8 45.2 84.0

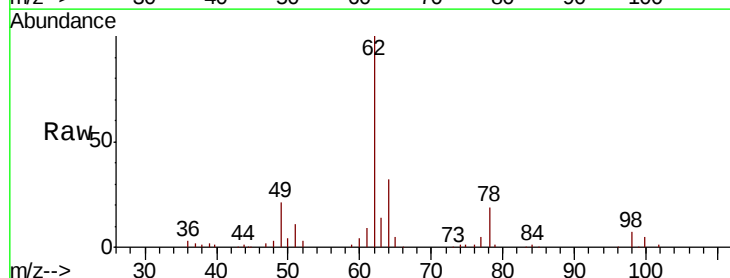


Abundance Ion 83.05 (82.75 to 83.75): VV017790.D (-1010) (-)
Ion 85.00 (84.70 to 85.70): VV017794.D (-936) (-)

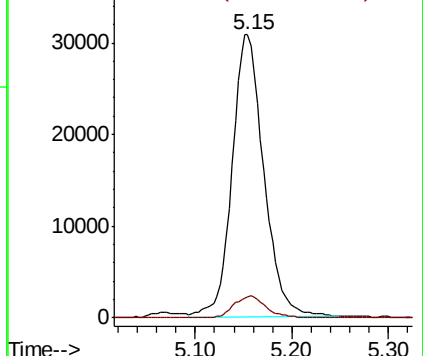
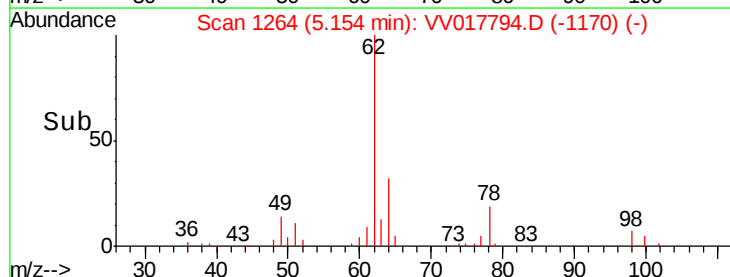


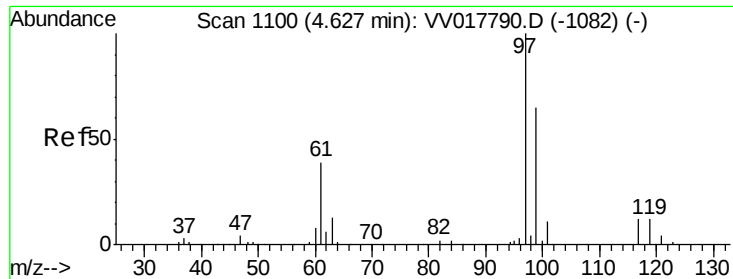
#27
1,2-Dichloroethane
Concen: 5.115 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Tgt Ion: 62 Resp: 70209
Ion Ratio Lower Upper
62 100
98 7.3 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017790.D (-1242) (-)
Ion 98.05 (97.75 to 98.75): VV017794.D (-1170) (-)

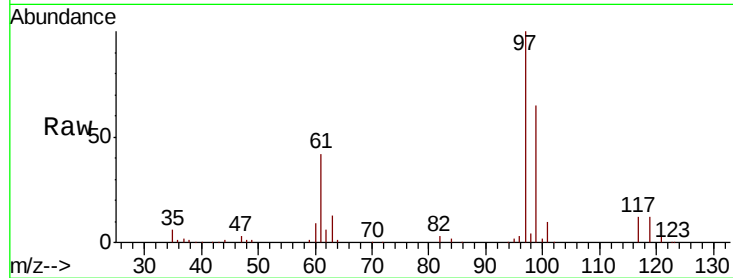




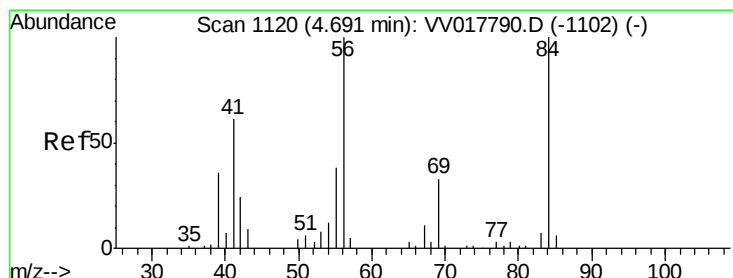
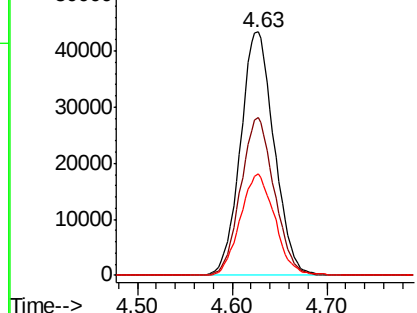
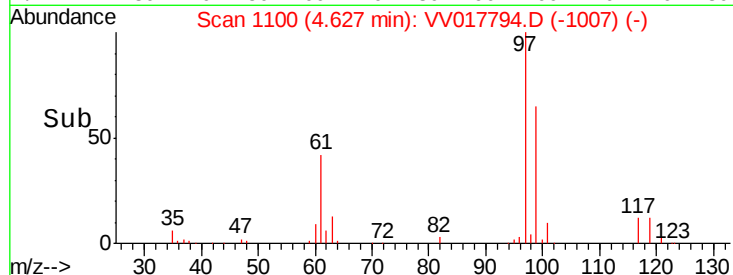
#29
 1,1,1-Trichloroethane
 Concen: 5.428 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

Tot Ion: 97 Resp: 107295
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.8 77.8
 61 42.9 34.5 51.7

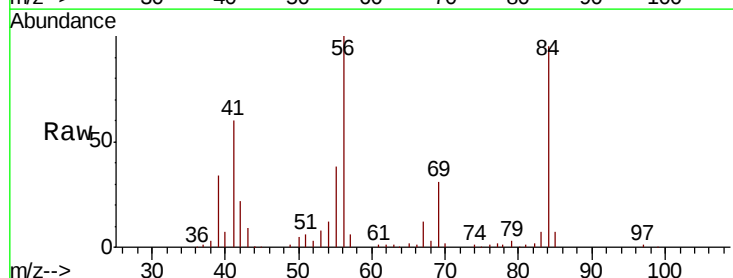


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

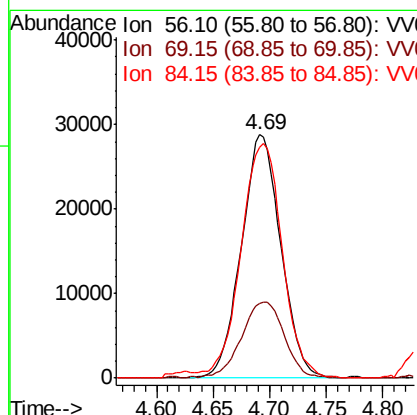
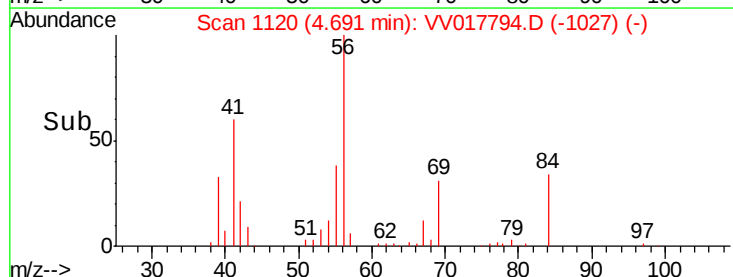


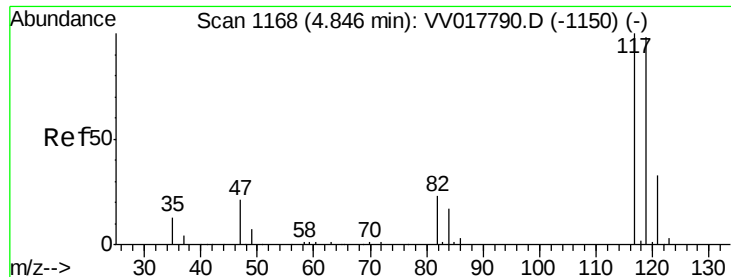
#30
 Cyclohexane
 Concen: 4.141 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion: 56 Resp: 70009
 Ion Ratio Lower Upper
 56 100
 69 33.9 24.8 37.2
 84 101.1 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: 5.493 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

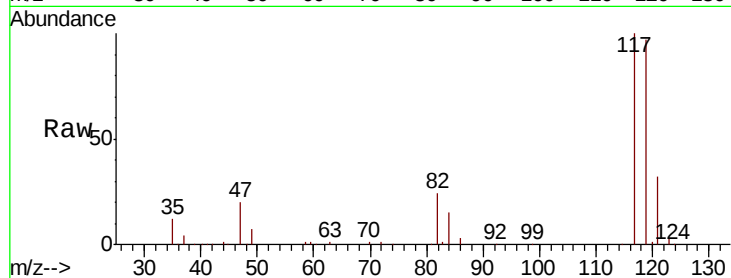
VSTD005003

Tot Ion:117 Resp: 97688

Ion Ratio Lower Upper

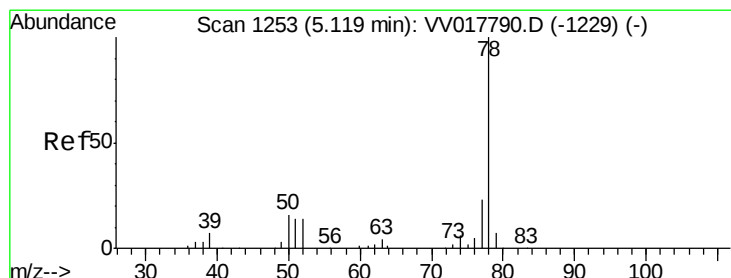
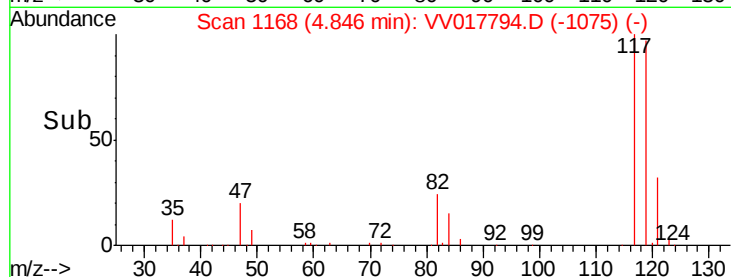
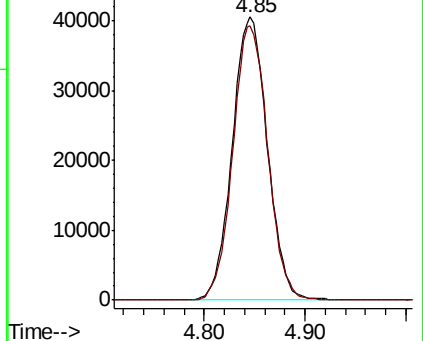
117 100

119 96.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.616 ug/L

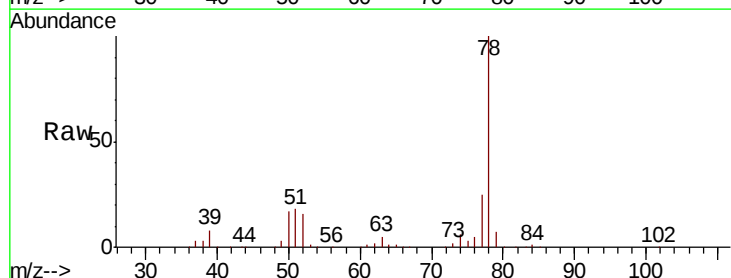
RT: 5.12 min Scan# 1253

Delta R.T. 0.00 min

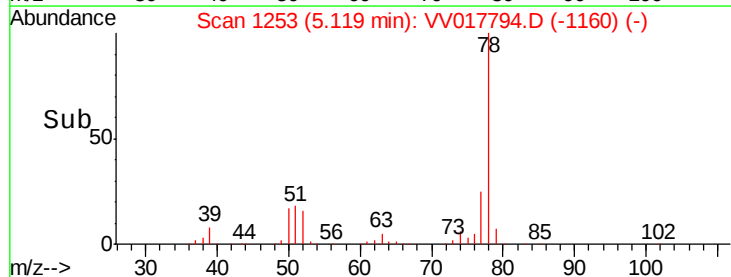
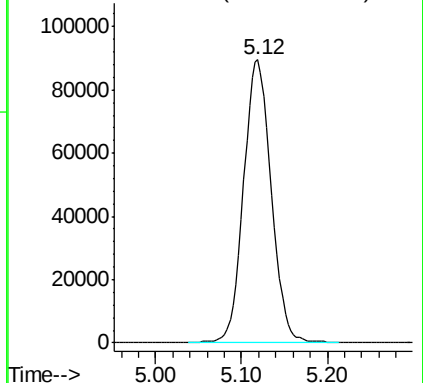
Lab File: VV017794.D

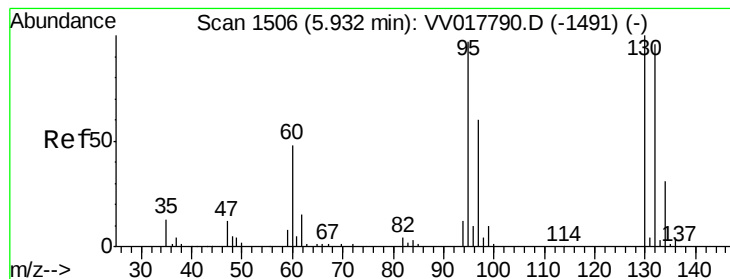
Acq: 03 Aug 2020 15:36

Tgt Ion: 78 Resp: 200495



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.710 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

Tot Ion: 95 Resp: 58335

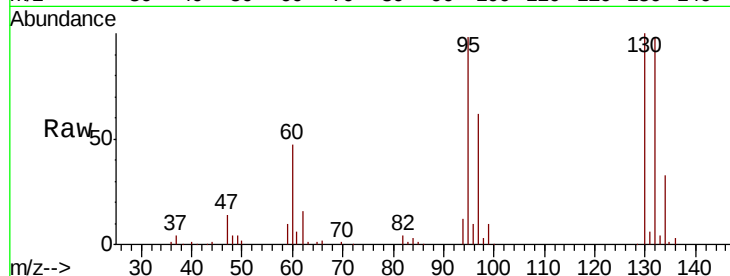
Ion Ratio Lower Upper

95 100

97 63.3 42.8 79.6

132 100.8 70.8 131.6

130 102.5 72.3 134.3

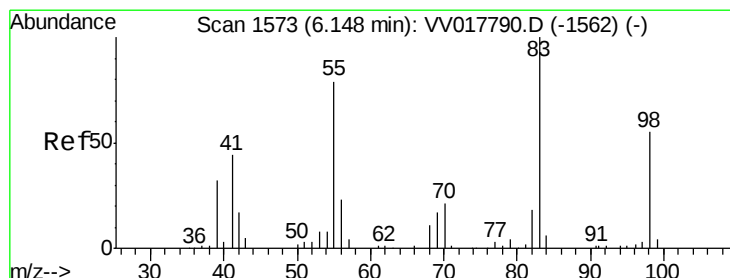
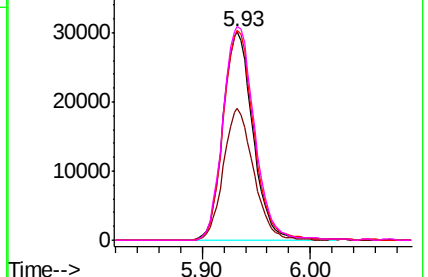
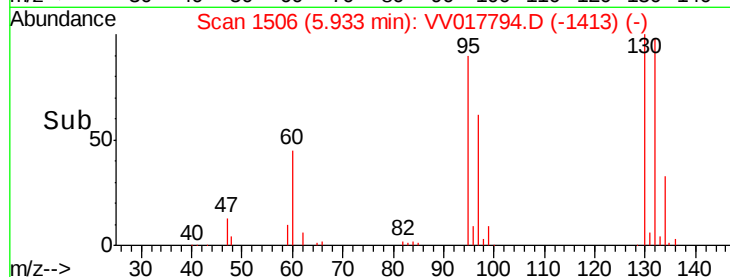


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.330 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

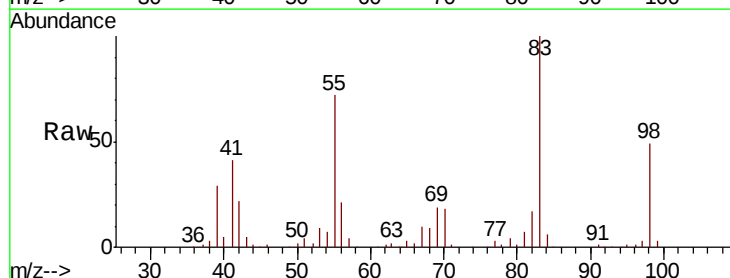
Tgt Ion: 83 Resp: 84021

Ion Ratio Lower Upper

83 100

55 72.7 60.1 90.1

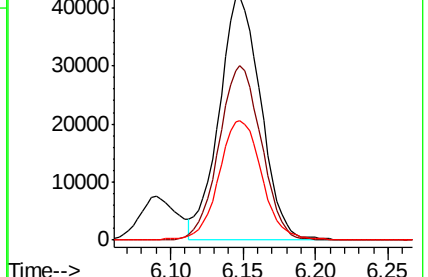
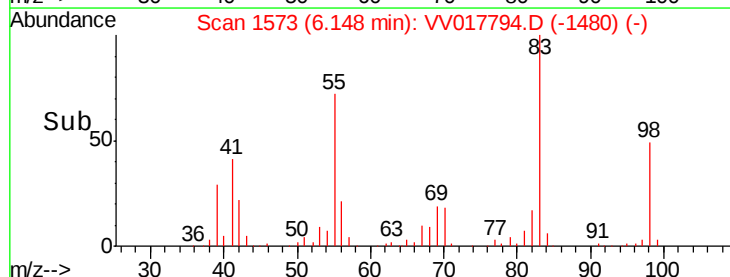
98 50.9 40.2 60.4

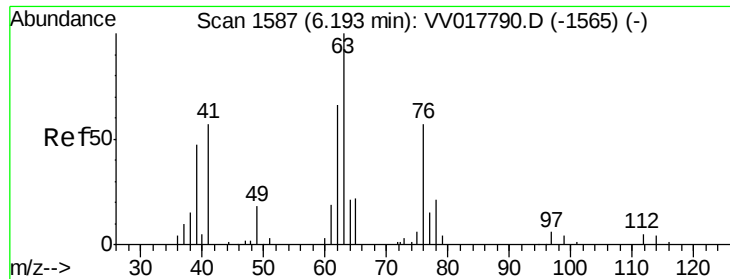


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

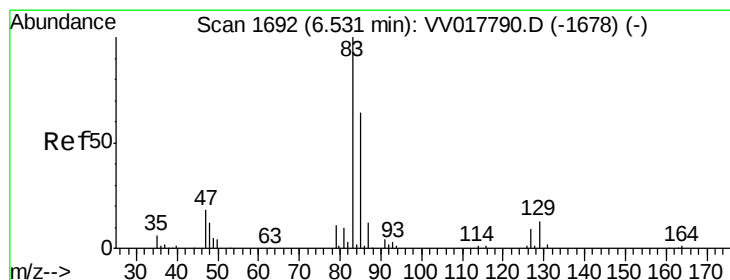
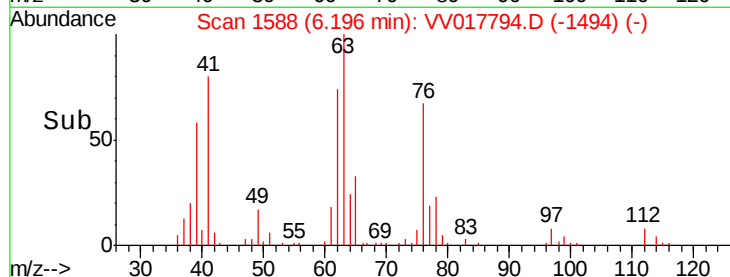
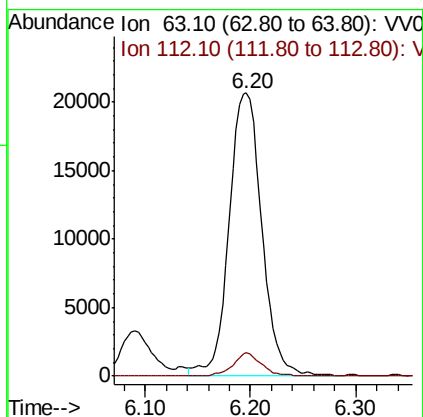
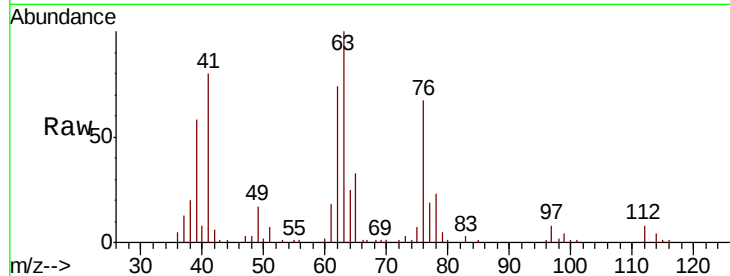




#37
 1,2-Dichloropropane
 Concen: 4.429 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

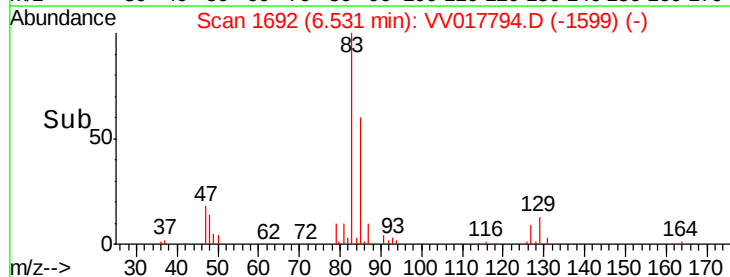
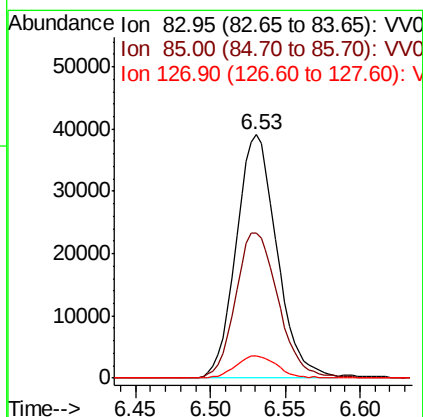
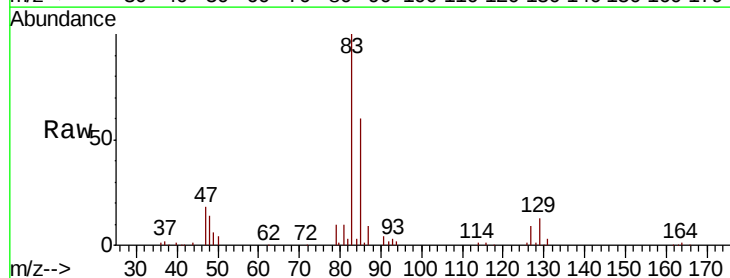
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

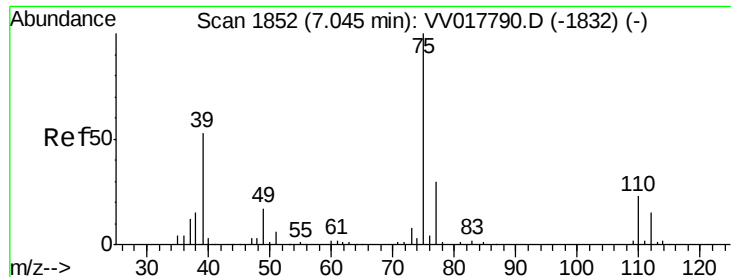
Tot Ion: 63 Resp: 44506
 Ion Ratio Lower Upper
 63 100
 112 7.2 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 5.210 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion: 83 Resp: 73910
 Ion Ratio Lower Upper
 83 100
 85 59.6 43.9 81.5
 127 9.0 6.9 10.3

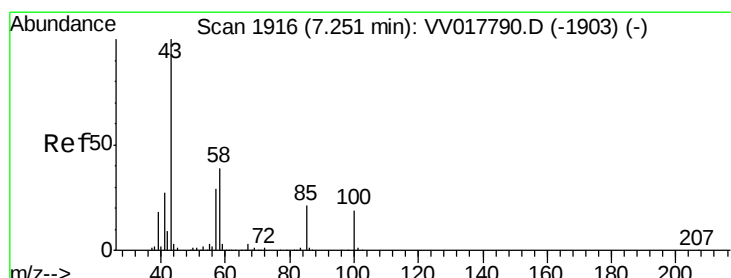
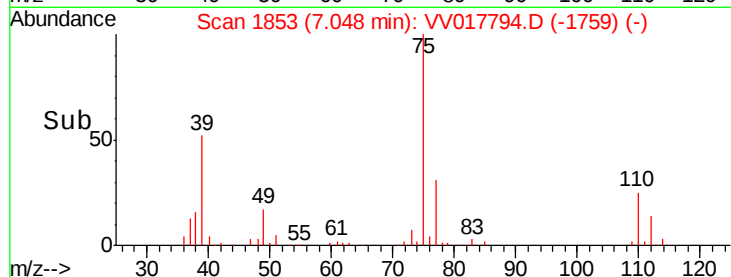
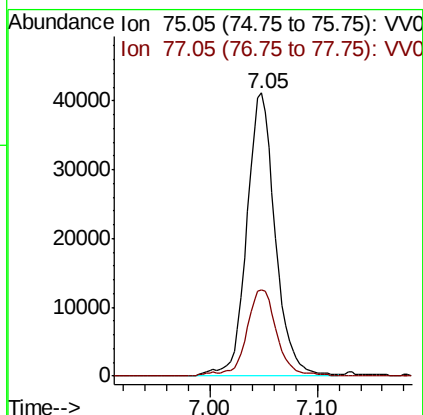
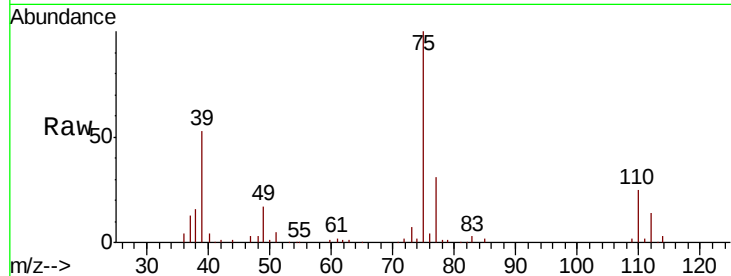




#39
 cis-1,3-Dichloropropene
 Concen: 4.790 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

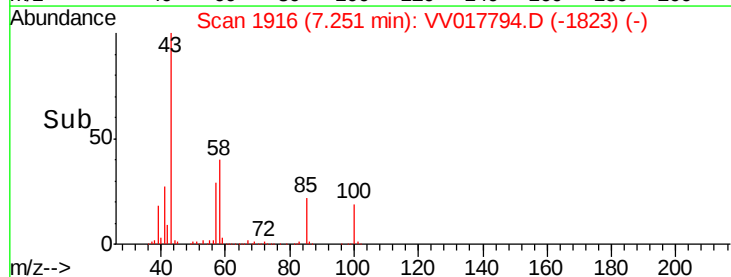
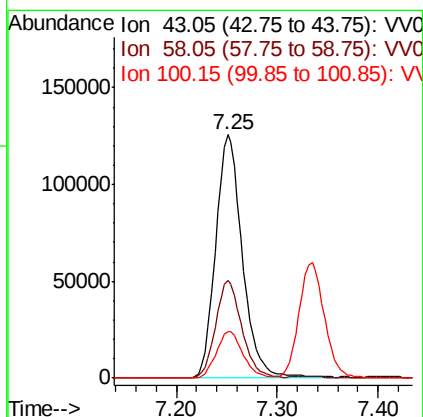
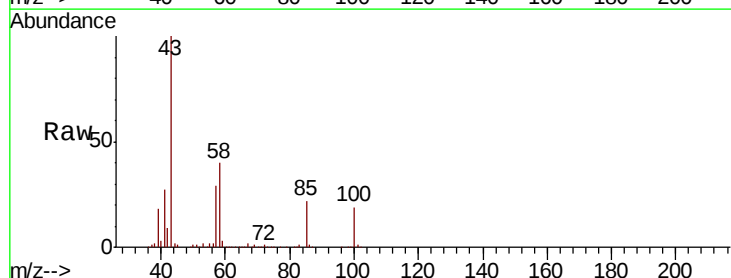
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

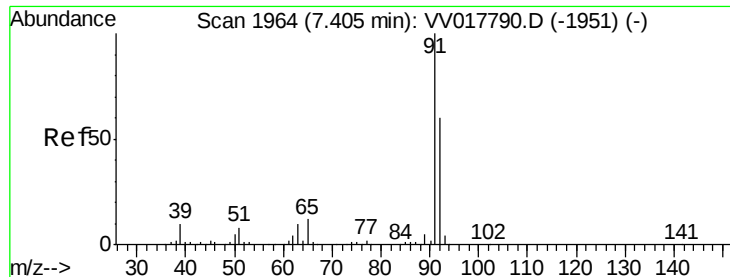
Tot Ion: 75 Resp: 75475
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 40.983 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion: 43 Resp: 232289
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.9 47.9
 100 18.9 14.0 21.0





#42

Toluene

Concen: 4.729 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

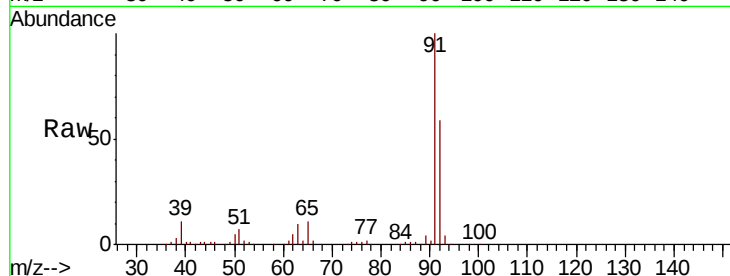
VSTD005003

Tot Ion: 91 Resp: 228387

Ion Ratio Lower Upper

91 100

92 59.4 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

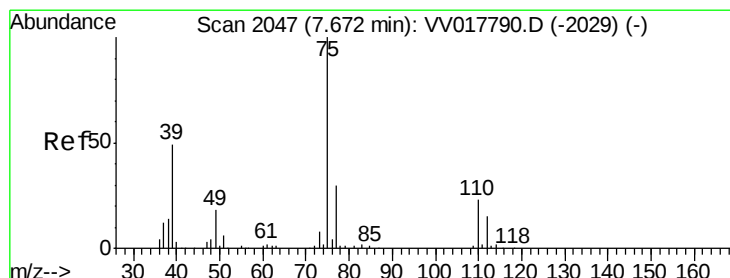
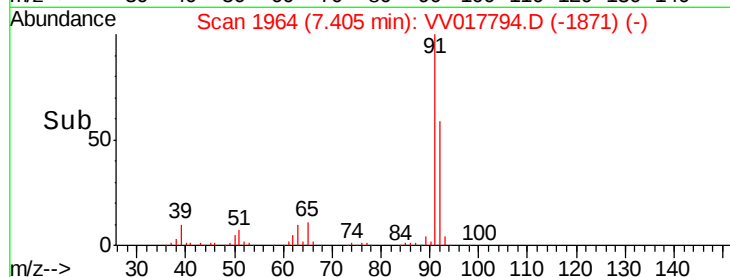
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.105 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017794.D

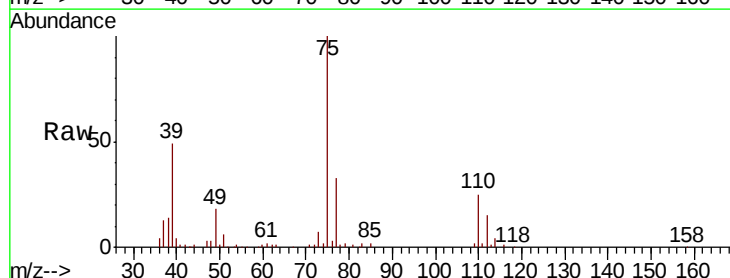
Acq: 03 Aug 2020 15:36

Tgt Ion: 75 Resp: 65026

Ion Ratio Lower Upper

75 100

77 32.7 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

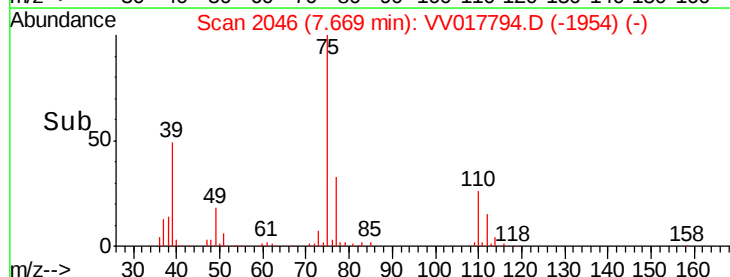
30000

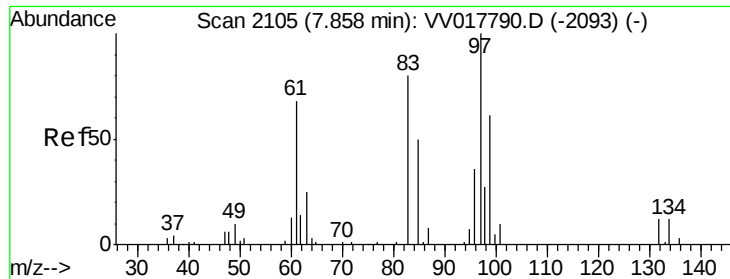
20000

10000

0

Time--> 7.60 7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 4.376 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

Tot Ion: 97 Resp: 33536

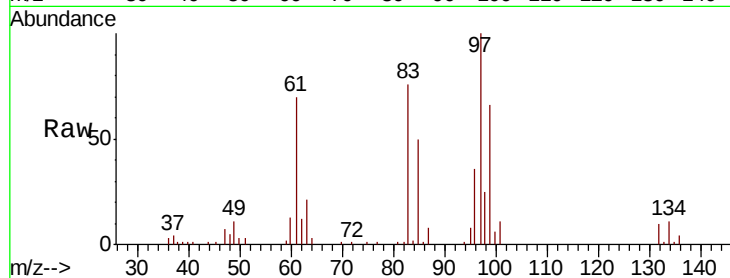
Ion Ratio Lower Upper

97 100

99 66.2 42.0 78.0

83 75.6 57.6 107.0

85 49.9 34.6 64.2

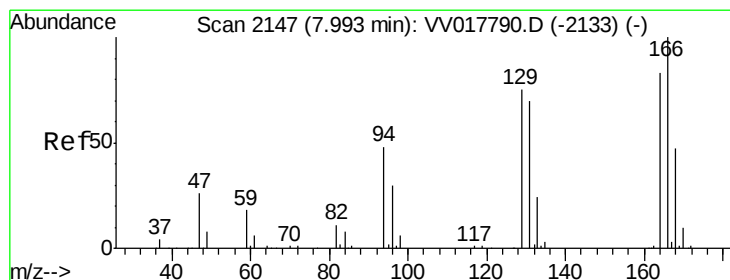
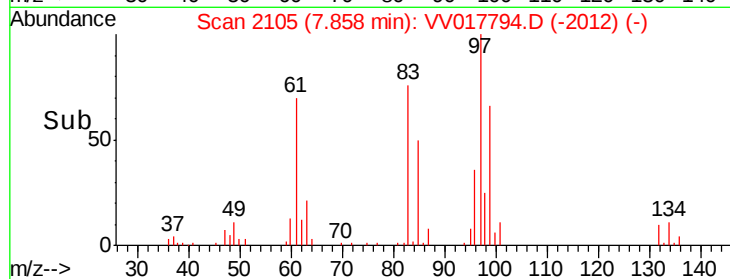
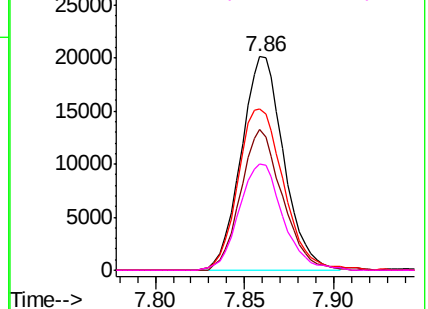


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.771 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Tgt Ion: 164 Resp: 51635

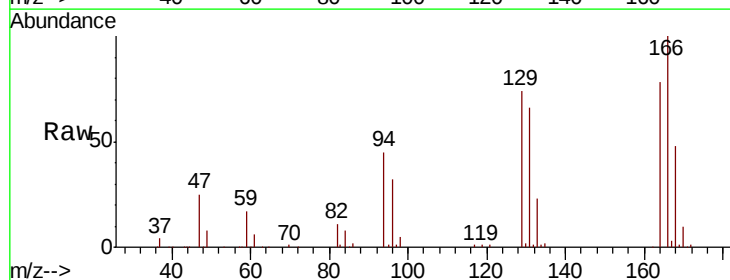
Ion Ratio Lower Upper

164 100

129 95.2 61.9 114.9

131 84.8 59.4 110.4

166 128.6 89.6 166.4

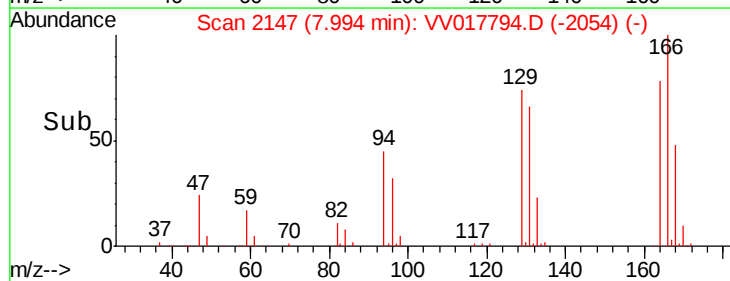
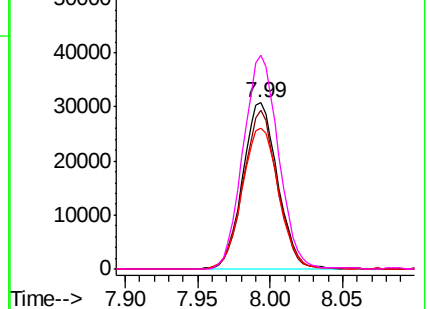


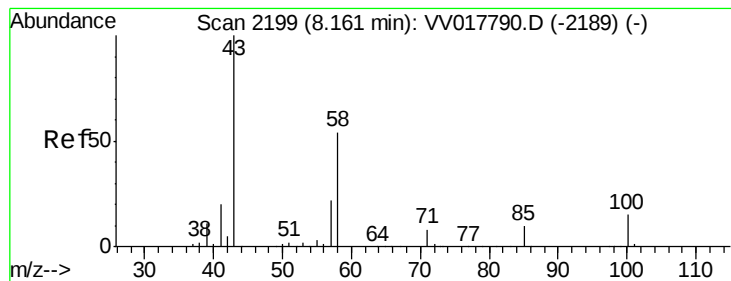
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 42.189 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

Tot Ion: 43 Resp: 169001

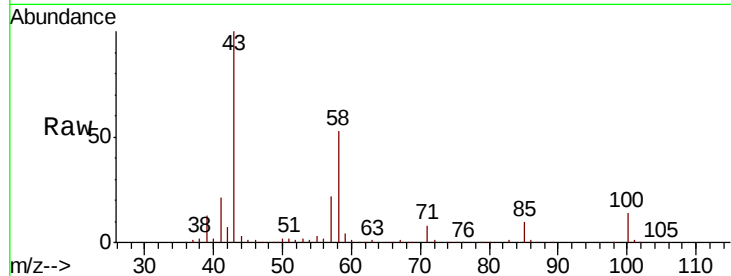
Ion Ratio Lower Upper

43 100

58 52.8 44.1 66.1

57 21.0 16.1 24.1

100 14.4 11.3 16.9

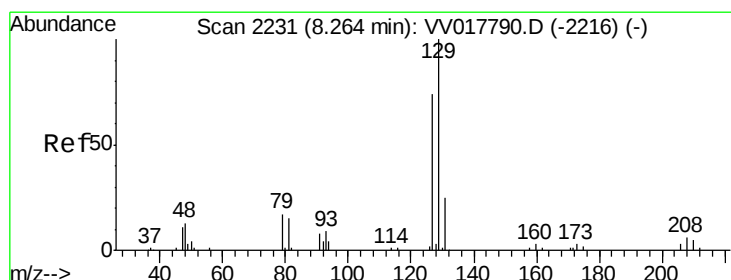
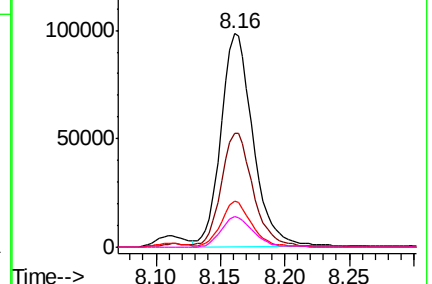
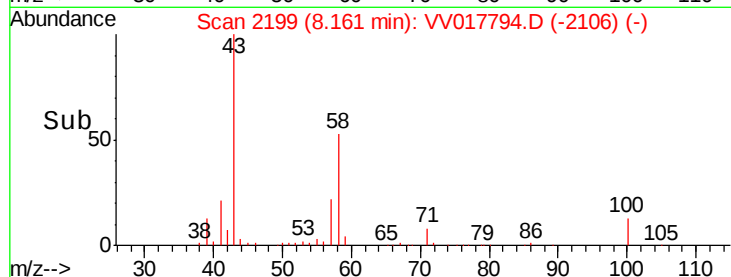


Abundance Ion 43.05 (42.75 to 43.75): VV017794.D (-2106) (-)

Ion 58.05 (57.75 to 58.75): VV017794.D (-2106) (-)

Ion 57.20 (56.90 to 57.90): VV017794.D (-2106) (-)

Ion 100.15 (99.85 to 100.85): VV017794.D (-2106) (-)



#49

Dibromochloromethane

Concen: 5.232 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VV017794.D

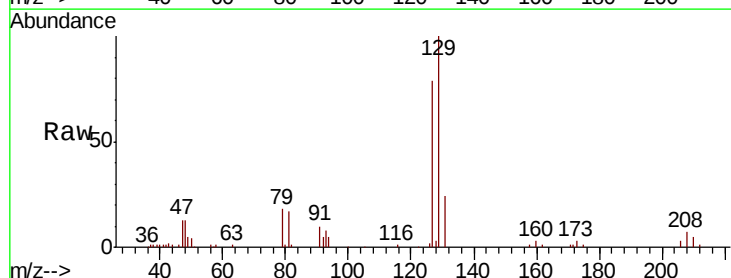
Acq: 03 Aug 2020 15:36

Tgt Ion: 129 Resp: 49161

Ion Ratio Lower Upper

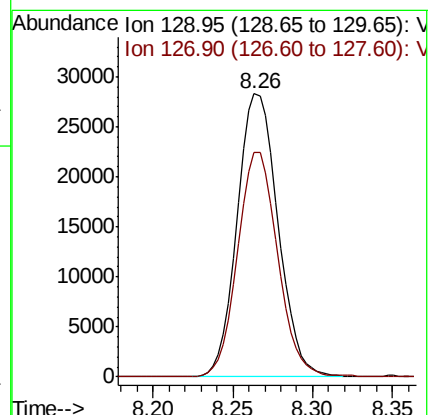
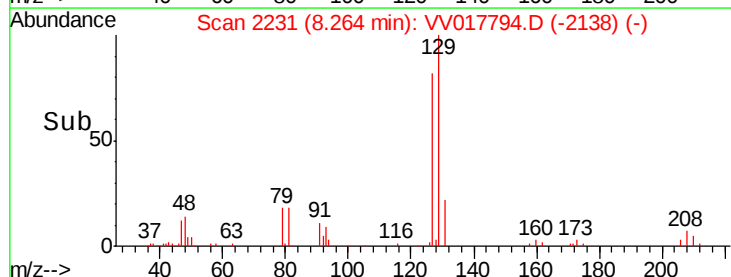
129 100

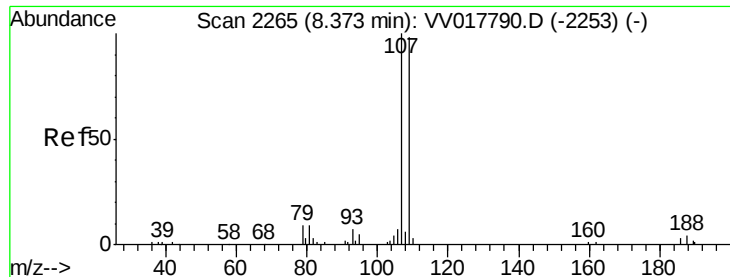
127 79.3 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV017794.D (-2138) (-)

Ion 126.90 (126.60 to 127.60): VV017794.D (-2138) (-)

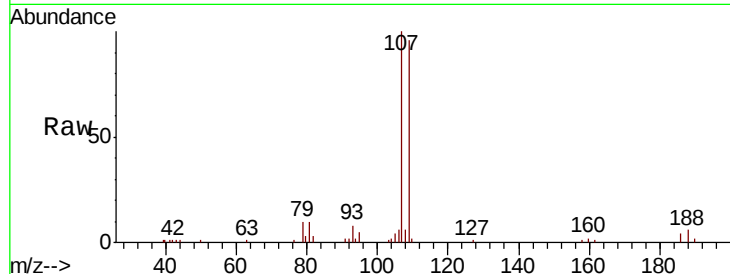




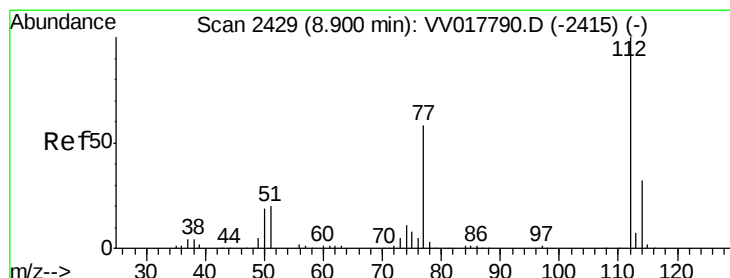
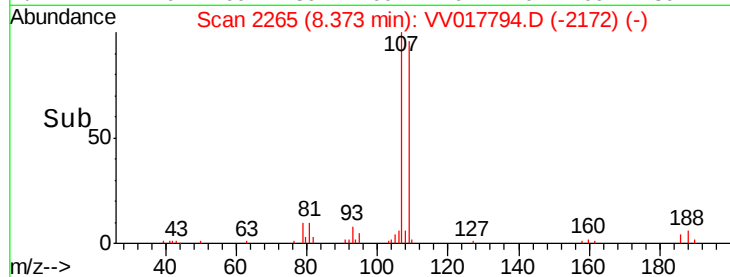
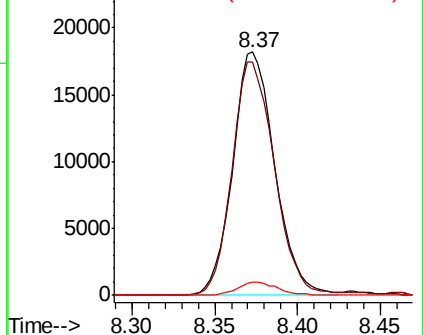
#50
1,2-Dibromoethane
Concen: 4.486 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD005003

Tot Ion:107 Resp: 32129
Ion Ratio Lower Upper
107 100
109 95.9 66.3 123.1
188 5.6 3.4 5.0#

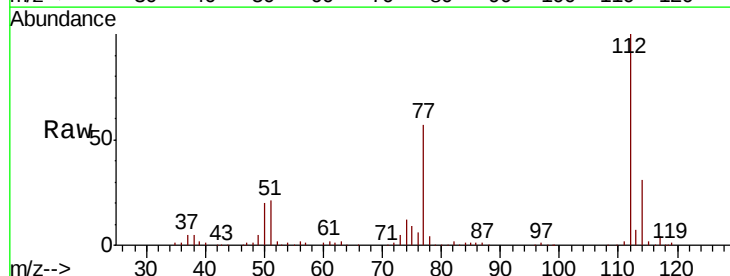


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

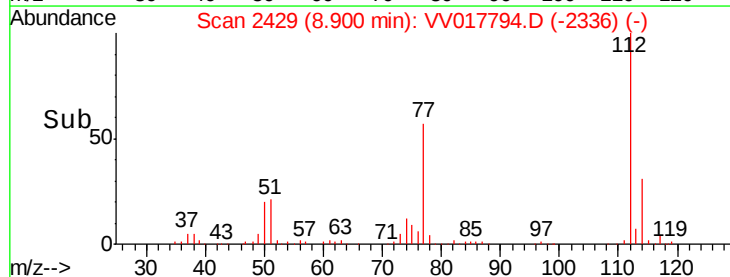
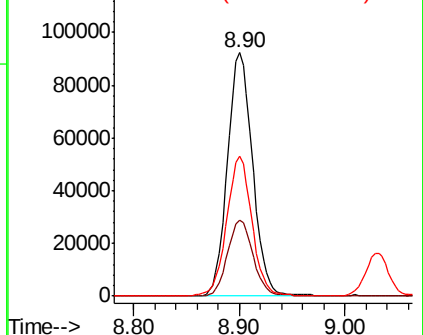


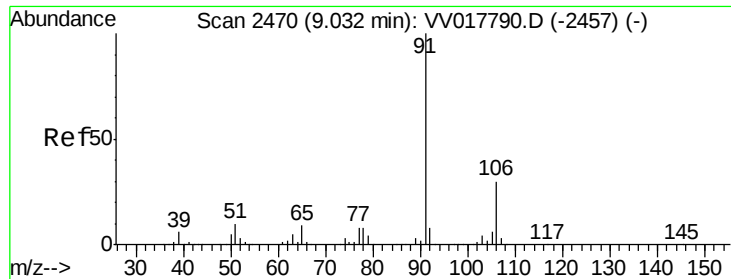
#51
Chlorobenzene
Concen: 4.732 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Tgt Ion:112 Resp: 152764
Ion Ratio Lower Upper
112 100
114 31.1 22.1 41.1
77 57.4 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: 4.713 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

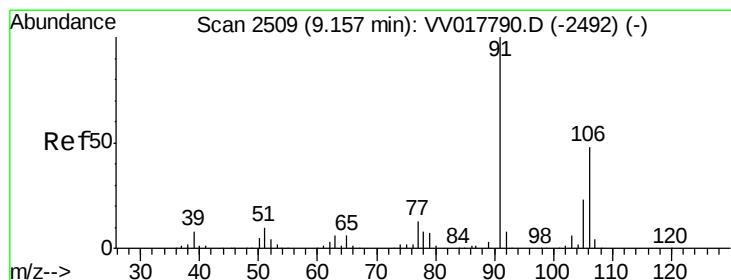
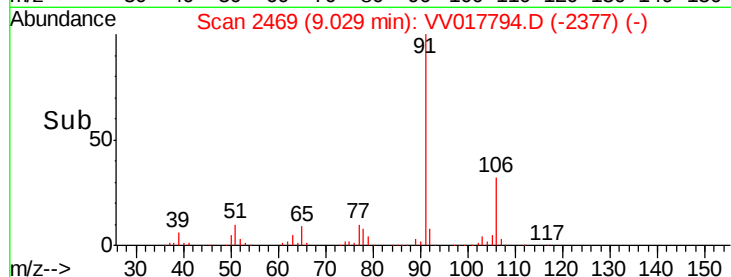
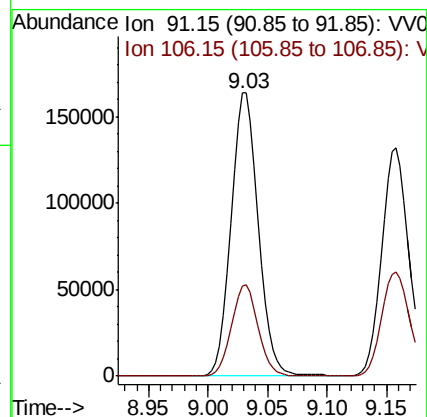
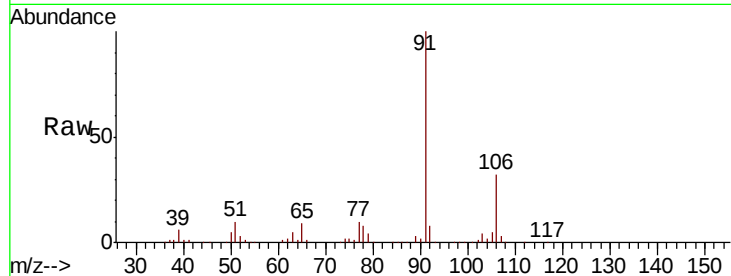
VSTD005003

Tot Ion: 91 Resp: 259730

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.2



#53

m,p-xylene

Concen: 4.710 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017794.D

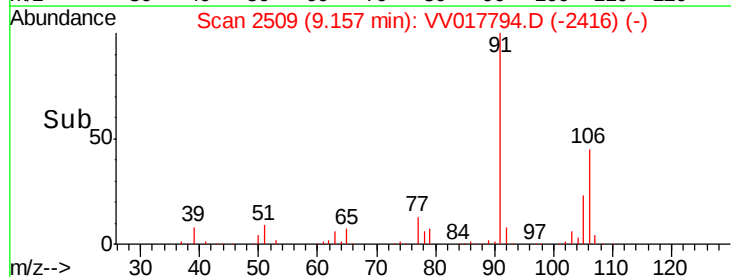
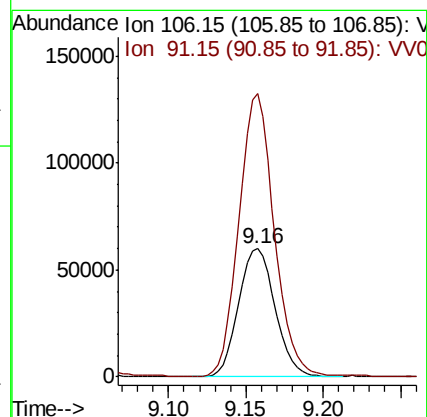
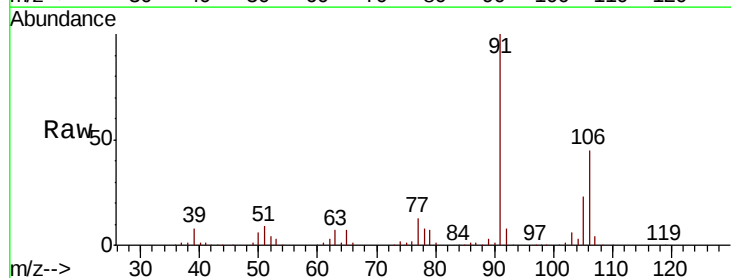
Acq: 03 Aug 2020 15:36

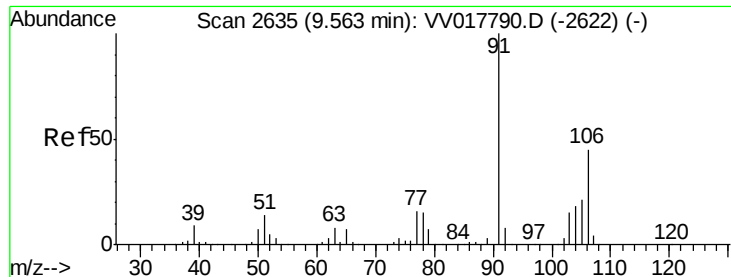
Tgt Ion: 106 Resp: 98792

Ion Ratio Lower Upper

106 100

91 220.8 141.6 263.0





#54

o-xylene

Concen: 4.719 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

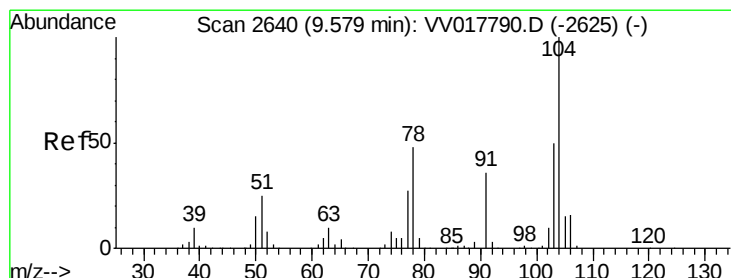
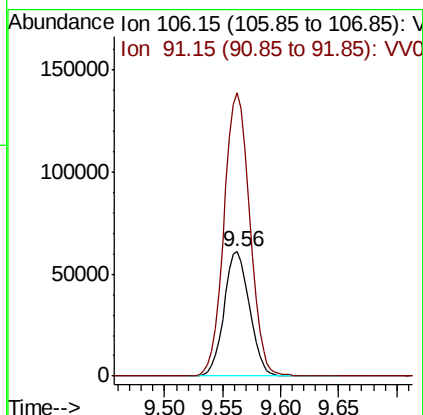
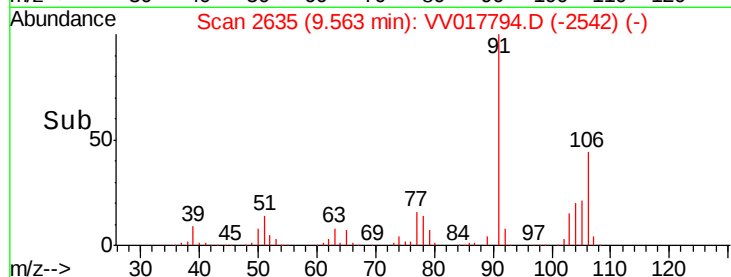
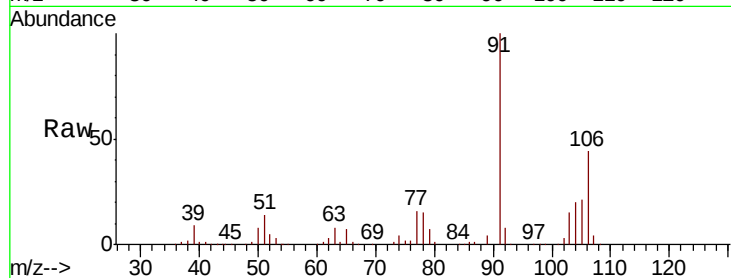
VSTD005003

Tot Ion:106 Resp: 93688

Ion Ratio Lower Upper

106 100

91 227.6 146.8 272.6



#55

Styrene

Concen: 4.963 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017794.D

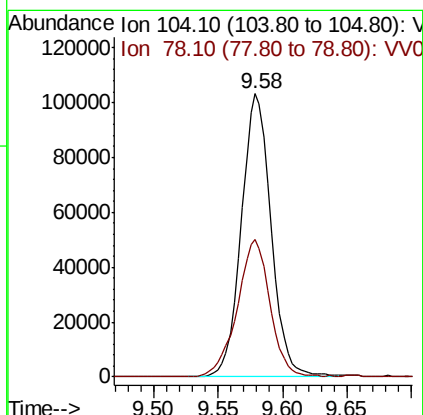
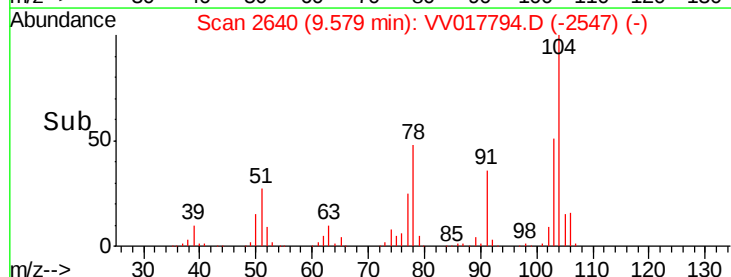
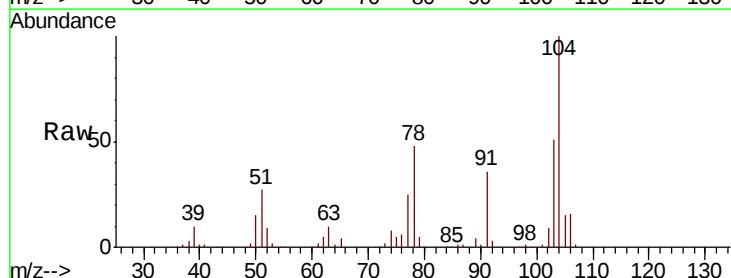
Acq: 03 Aug 2020 15:36

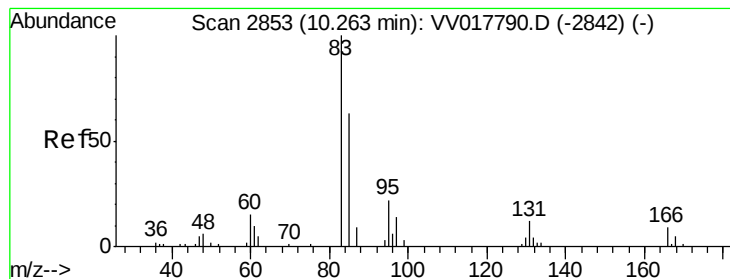
Tgt Ion:104 Resp: 166007

Ion Ratio Lower Upper

104 100

78 48.4 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.107 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

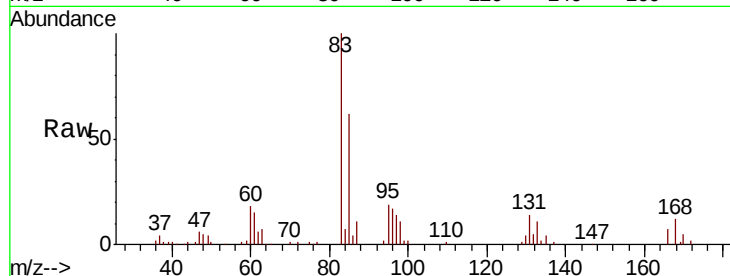
Tot Ion: 83 Resp: 33779

Ion Ratio Lower Upper

83 100

85 62.3 44.0 81.6

131 13.5 8.3 12.5#

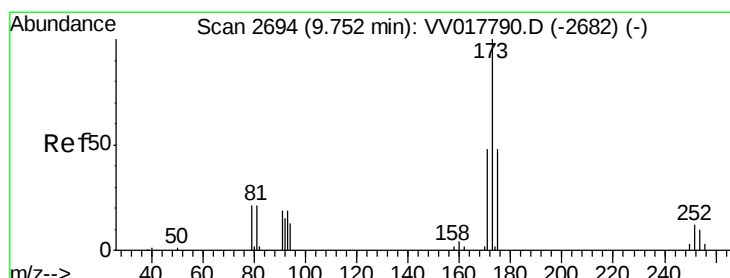
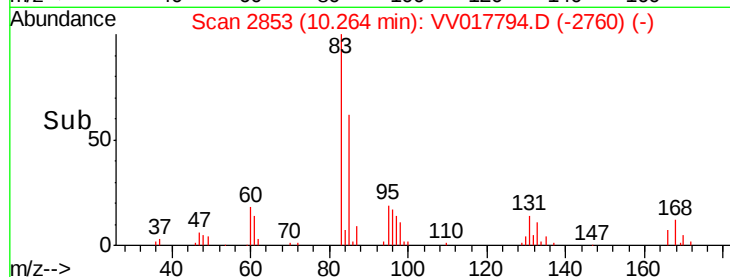


Abundance Ion 82.95 (82.65 to 83.65): VV017790.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV017790.D (-2842) (-)

Ion 130.95 (130.65 to 131.65): VV017790.D (-2842) (-)

Time-->



#59

Bromoform

Concen: 5.089 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

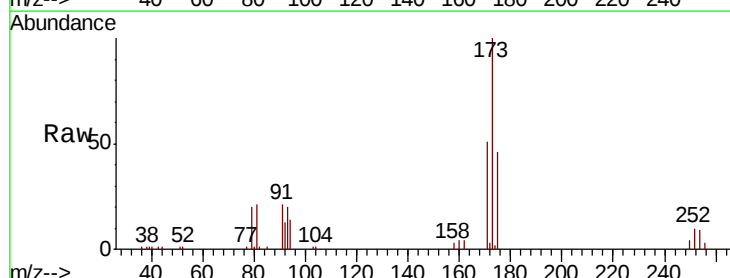
Tgt Ion: 173 Resp: 27779

Ion Ratio Lower Upper

173 100

175 47.6 38.3 57.5

254 9.7 8.6 13.0

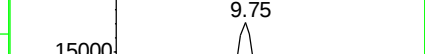
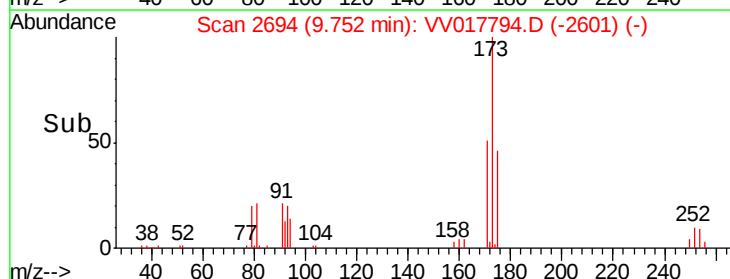


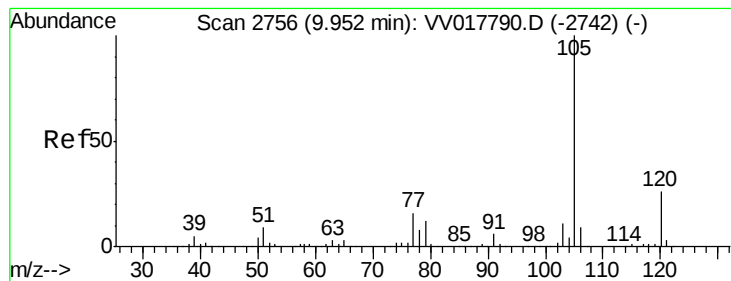
Abundance Ion 172.90 (172.60 to 173.60): VV017790.D (-2682) (-)

Ion 174.90 (174.60 to 175.60): VV017790.D (-2682) (-)

Ion 253.75 (253.45 to 254.45): VV017790.D (-2682) (-)

Time-->





#60

Isopropylbenzene

Concen: 4.637 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

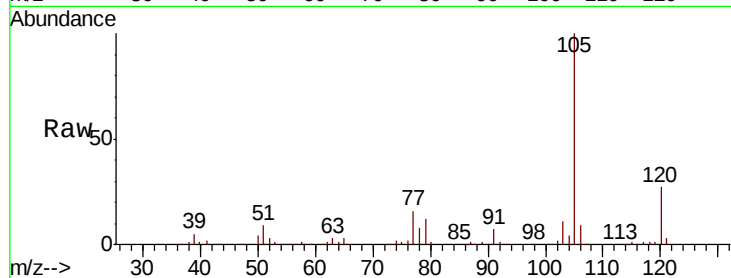
Tot Ion: 105 Resp: 267531

Ion Ratio Lower Upper

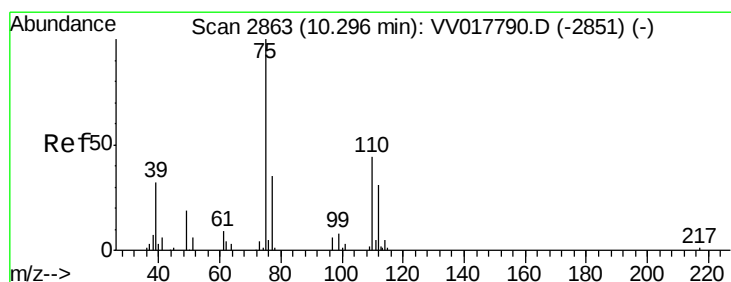
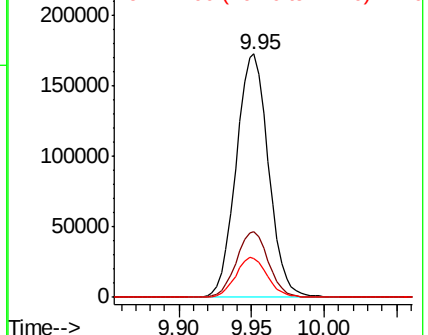
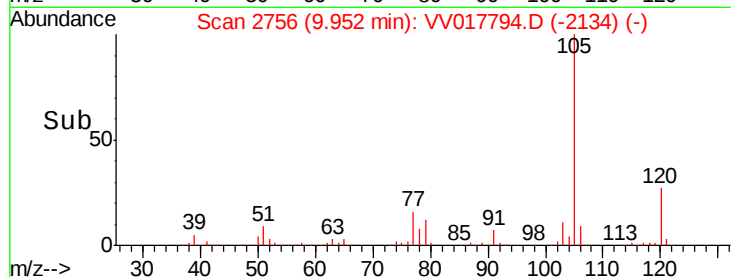
105 100

120 26.8 21.5 32.3

77 16.1 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): VV017794.D (-2134) (-)



#61

1,2,3-Trichloropropane

Concen: 4.371 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

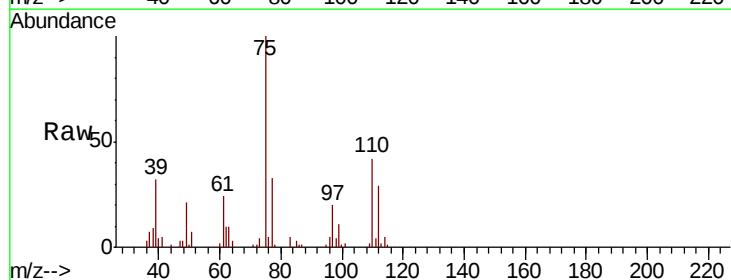
Tgt Ion: 75 Resp: 28771

Ion Ratio Lower Upper

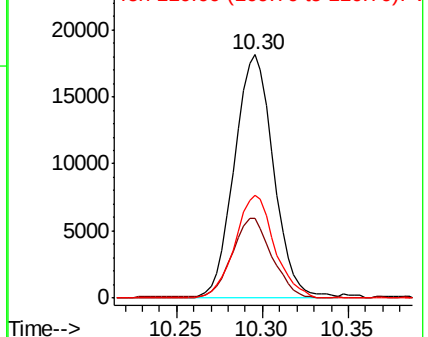
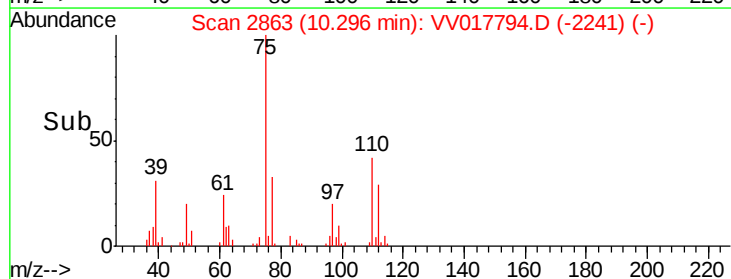
75 100

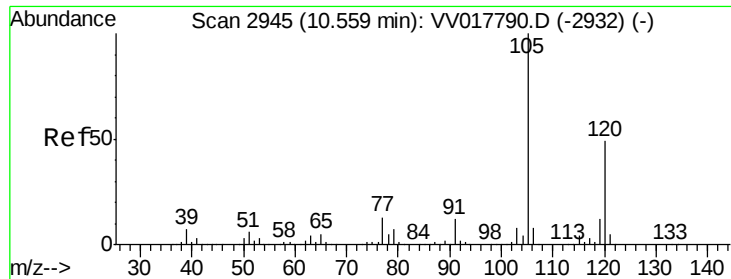
77 33.2 26.8 40.2

110 42.5 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VV017794.D (-2241) (-)

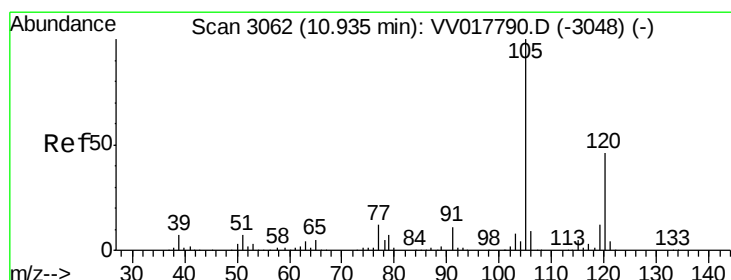
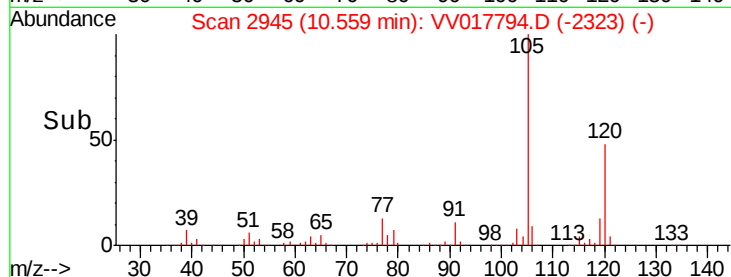
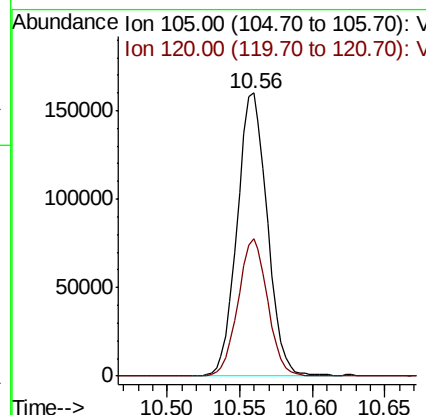
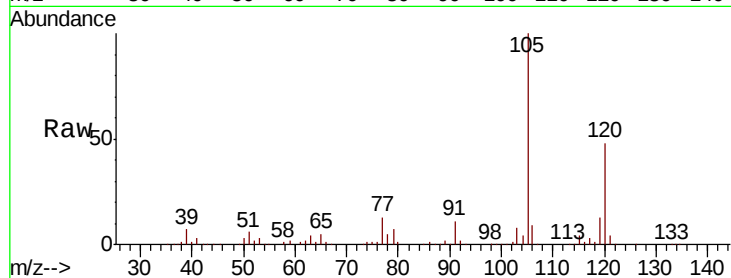




#62
 1,3,5-Trimethylbenzene
 Concen: 4.847 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

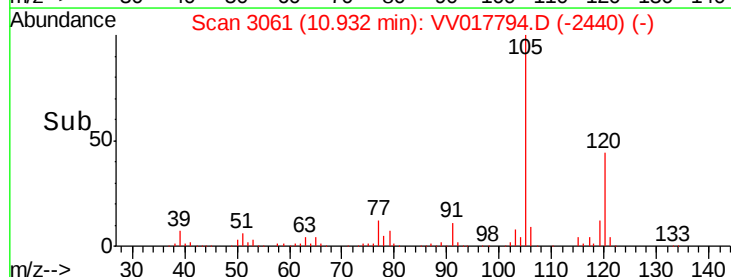
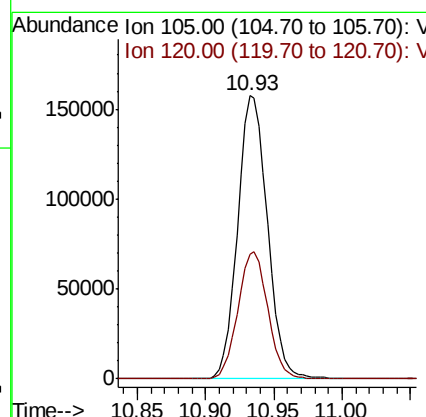
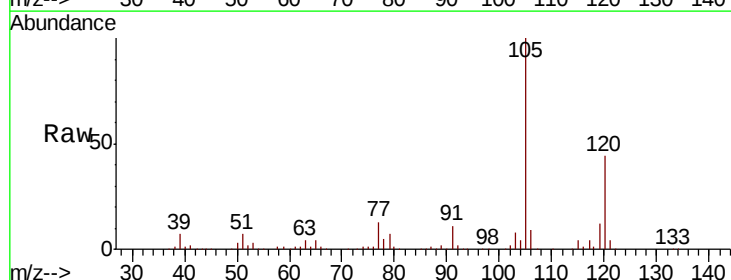
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

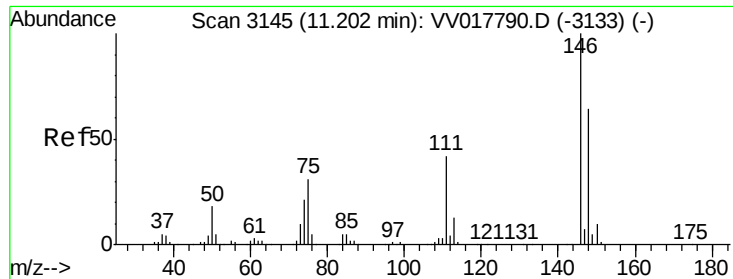
Tot Ion:105 Resp: 230890
 Ion Ratio Lower Upper
 105 100
 120 47.7 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.045 ug/L
 RT: 10.93 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion:105 Resp: 238801
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.8 53.8

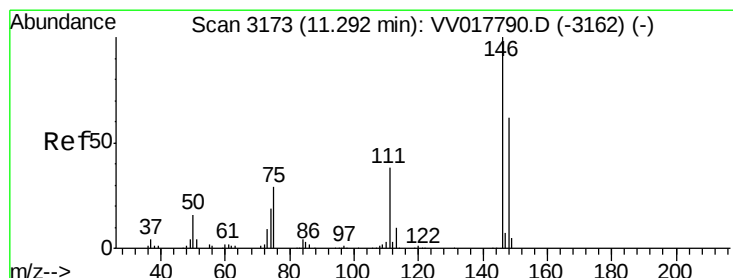
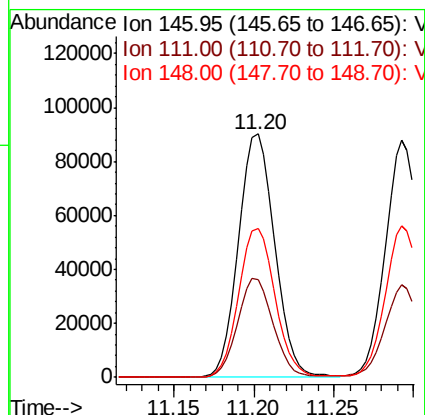
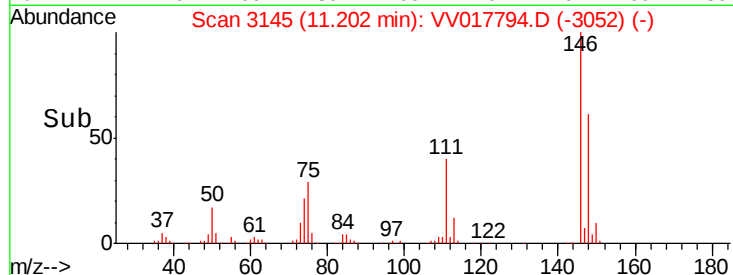
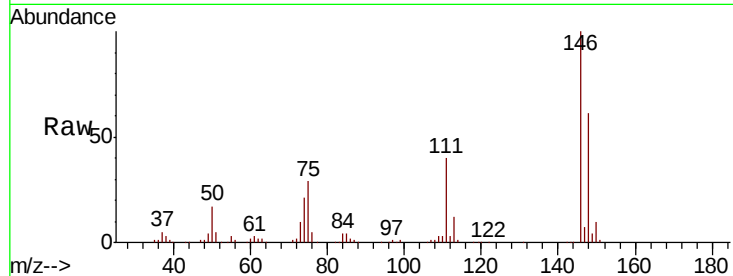




#64
 1,3-Dichlorobenzene
 Concen: 4.840 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

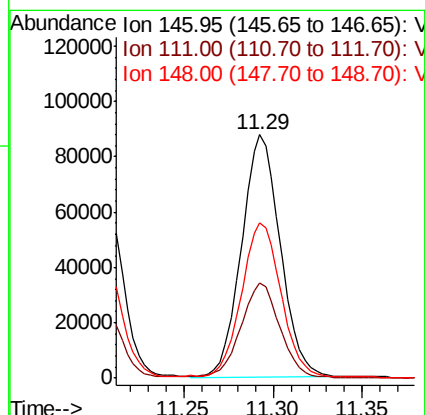
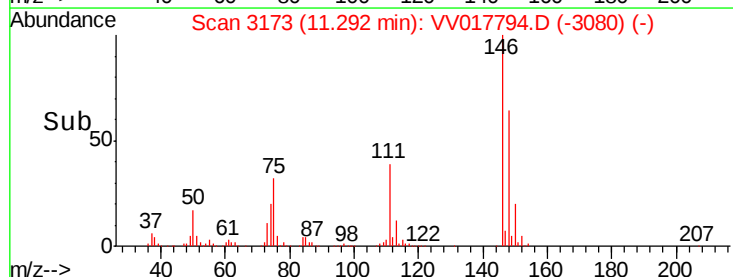
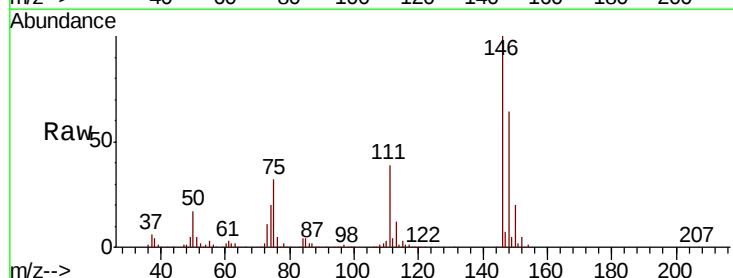
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

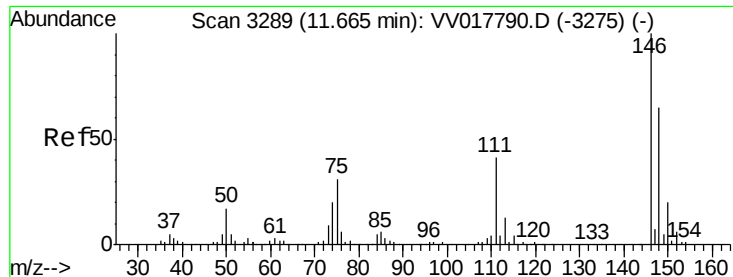
Tot Ion:146 Resp: 139137
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.2 50.6
 148 61.4 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.535 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion:146 Resp: 132874
 Ion Ratio Lower Upper
 146 100
 111 38.8 25.8 48.0
 148 63.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.744 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005003

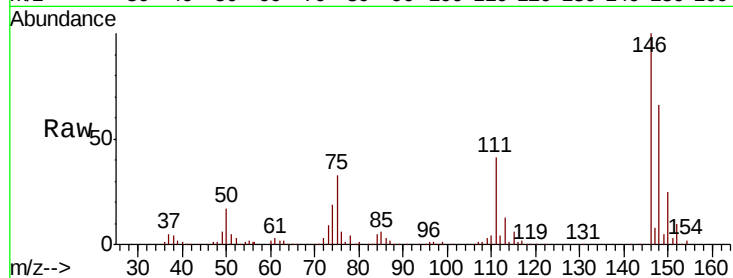
Tot Ion:146 Resp: 123944

Ion Ratio Lower Upper

146 100

111 41.2 32.4 48.6

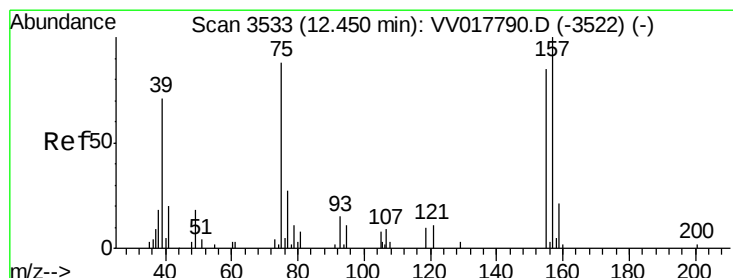
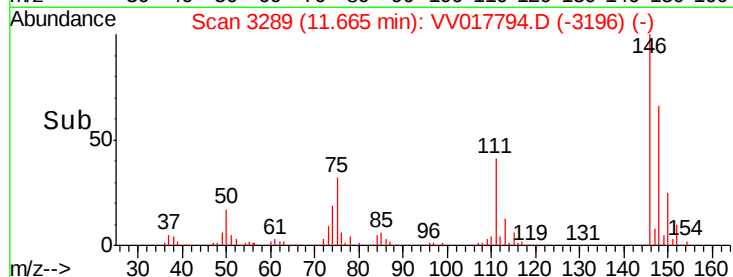
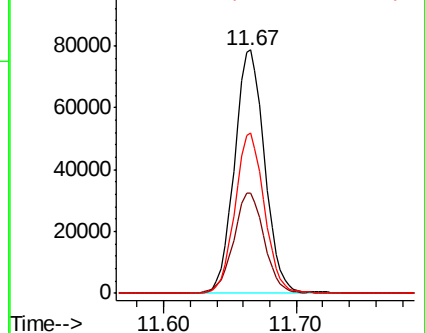
148 65.8 49.4 74.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 5.248 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017794.D

Acq: 03 Aug 2020 15:36

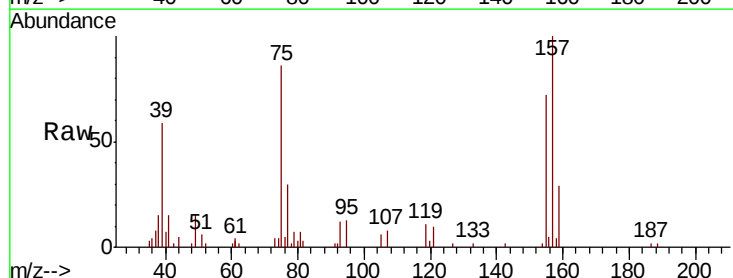
Tgt Ion: 75 Resp: 7122

Ion Ratio Lower Upper

75 100

155 84.2 75.0 112.6

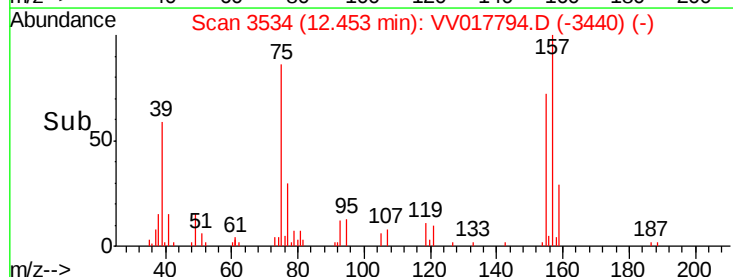
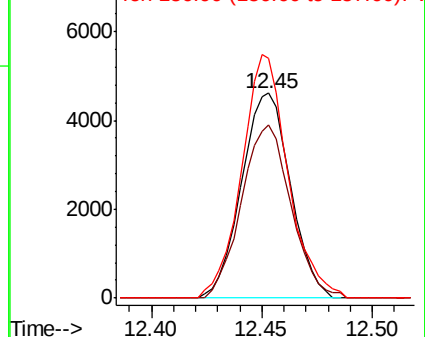
157 116.9 87.8 131.6

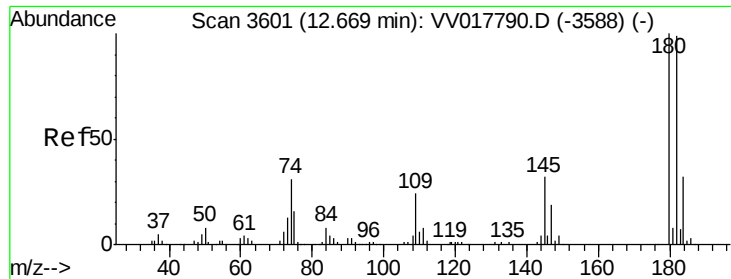


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

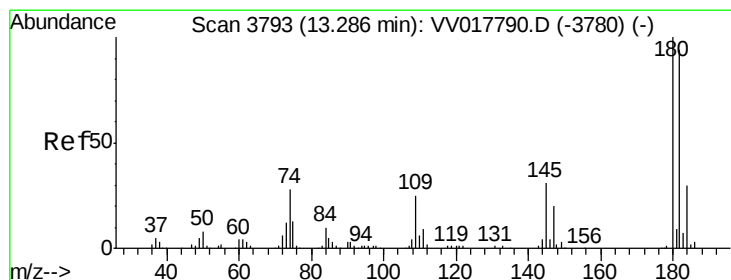
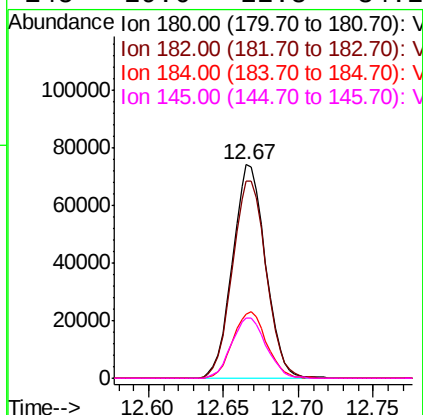
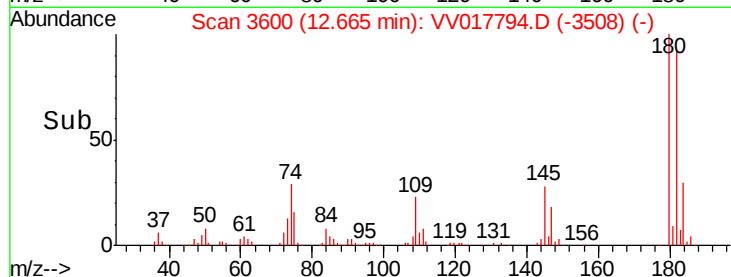
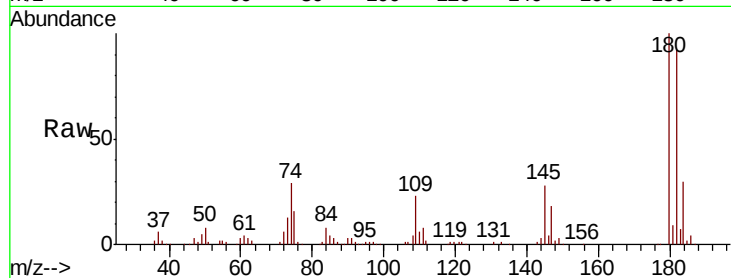




#69
 1,3,5-Trichlorobenzene
 Concen: 4.798 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

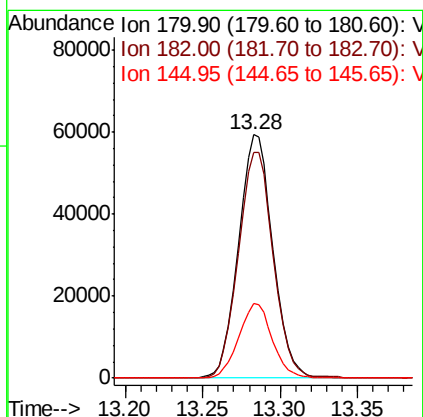
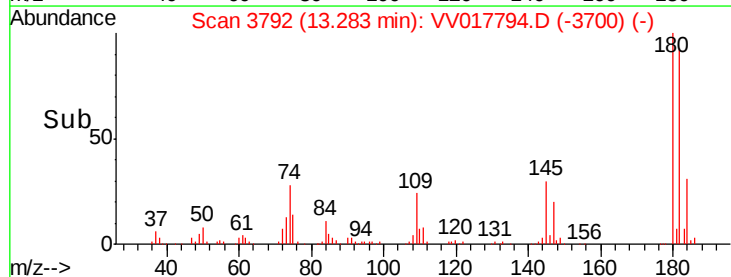
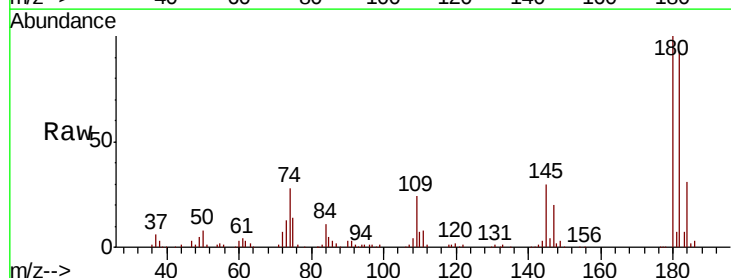
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005003

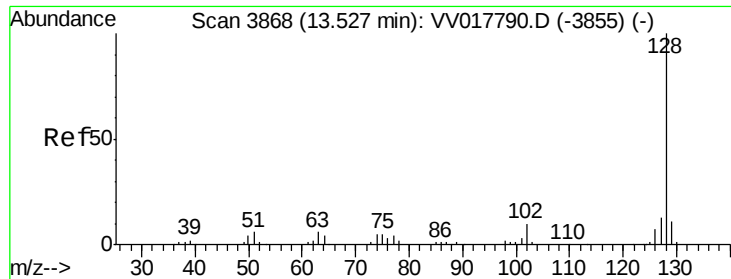
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.1	115.7
184	31.9	24.6	36.8
145	29.6	22.8	34.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.846 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017794.D
 Acq: 03 Aug 2020 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	29.9	24.3	36.5

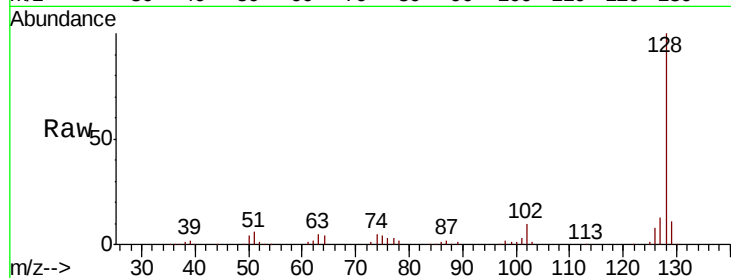




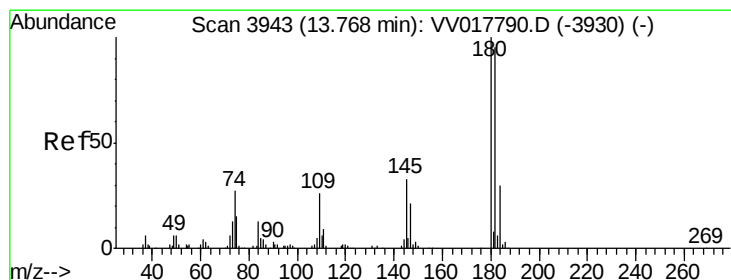
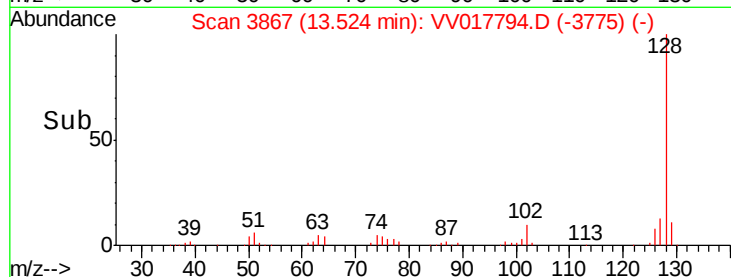
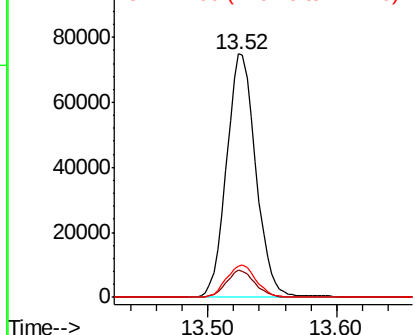
#71
Naphthalene
Concen: 4.528 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD005003

Tot Ion:128 Resp: 118180
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.5 10.4 15.6

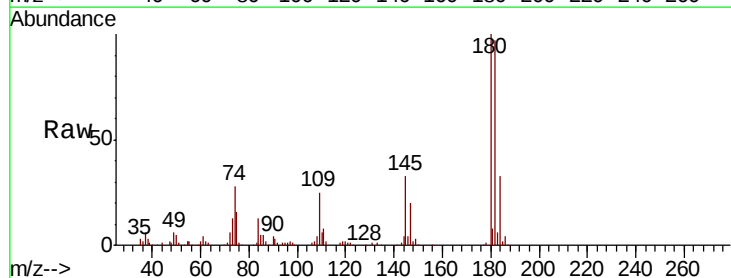


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 4.687 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV017794.D
Acq: 03 Aug 2020 15:36

Tgt Ion:180 Resp: 78139
Ion Ratio Lower Upper
180 100
182 96.9 78.5 117.7
145 32.8 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

