

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017939.D
 Acq On : 12 Aug 2020 20:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Aug 13 04:40:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	263656	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254461	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	133447	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	93078	46.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.54%
7) Chloroethane-d5	1.58	69	78689	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.62%
11) 1,1-Dichloroethene-d2	2.12	63	184325	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
21) 2-Butanone-d5	3.92	46	130132	98.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.77%
24) Chloroform-d	4.38	84	179120	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
26) 1,2-Dichloroethane-d4	5.06	65	117296	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
32) Benzene-d6	5.08	84	345693	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
36) 1,2-Dichloropropane-d6	6.10	67	110743	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.60%
41) Toluene-d8	7.34	98	317401	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%
43) trans-1,3-Dichloropropene-	7.64	79	50960	49.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.02%
47) 2-Hexanone-d5	8.11	63	73473	99.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	145700	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	125041	47.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97179	47.742	ug/L 100
3) Chloromethane	1.25	50	117217	49.573	ug/L 99
5) Vinyl chloride	1.32	62	115831	49.442	ug/L 98
6) Bromomethane	1.53	94	70455	50.318	ug/L 100
8) Chloroethane	1.60	64	75513	50.501	ug/L 100
9) Trichlorofluoromethane	1.76	101	161993	48.407	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89449	47.871	ug/L 99
12) 1,1-Dichloroethene	2.13	96	87923	49.714	ug/L 97
13) Acetone	2.20	43	102072	75.004	ug/L 99
14) Carbon disulfide	2.31	76	243699	50.064	ug/L 99
15) Methyl Acetate	2.45	43	112042	51.017	ug/L 100
16) Methylene chloride	2.52	84	102807	45.628	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	90445	49.750	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	302607	50.330	ug/L 100
19) 1,1-Dichloroethane	3.21	63	184504	50.472	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	100734	50.422	ug/L 98
22) 2-Butanone	4.00	43	153069	100.262	ug/L 99

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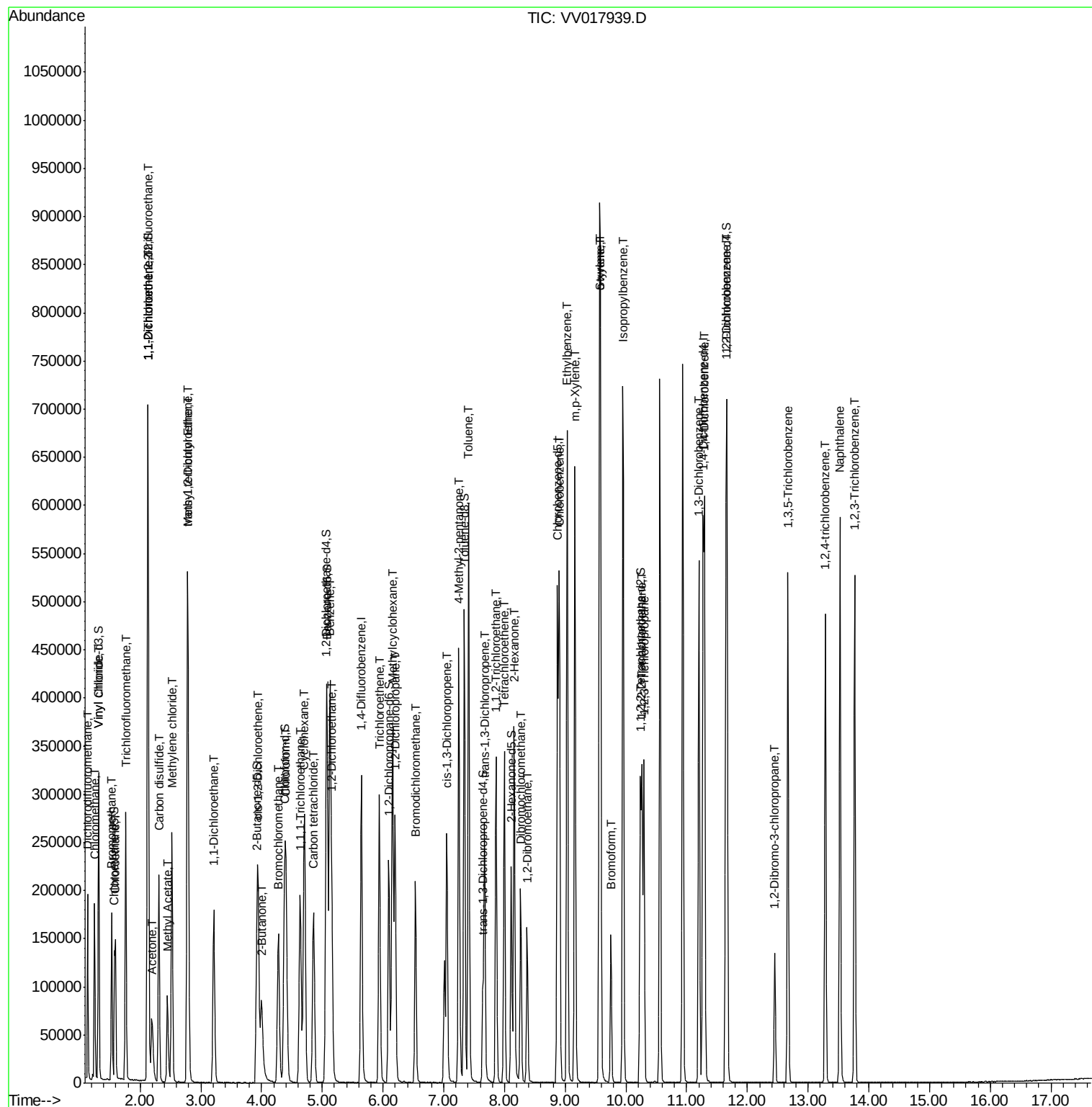
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	52479	50.283	ug/L	97
25) Chloroform	4.40	83	187347	50.247	ug/L	99
27) 1,2-Dichloroethane	5.16	62	150077	50.569	ug/L	99
29) Cyclohexane	4.70	56	153115	49.856	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	157794	50.603	ug/L	99
31) Carbon tetrachloride	4.86	117	132880	51.189	ug/L	100
33) Benzene	5.13	78	401445	50.993	ug/L	100
34) Trichloroethene	5.94	95	104459	50.198	ug/L	98
35) Methylcyclohexane	6.16	83	147620	47.707	ug/L	100
37) 1,2-Dichloropropane	6.20	63	108638	50.601	ug/L	100
38) Bromodichloromethane	6.53	83	135812	50.928	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	152540	50.119	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	294996	105.107	ug/L	100
42) Toluene	7.41	91	424266	51.646	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	148509	51.427	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	101460	51.030	ug/L	98
46) Tetrachloroethene	8.00	164	76400	50.060	ug/L	99
48) 2-Hexanone	8.16	43	232602	102.775	ug/L	99
49) Dibromochloromethane	8.27	129	101566	52.335	ug/L	100
50) 1,2-Dibromoethane	8.37	107	103934	50.525	ug/L	98
51) Chlorobenzene	8.90	112	268711	50.859	ug/L	99
52) Ethylbenzene	9.03	91	457892	51.120	ug/L	99
53) m,p-Xylene	9.16	106	172442	52.343	ug/L	100
54) o-xylene	9.57	106	167971	51.594	ug/L	98
55) Styrene	9.58	104	298870	53.606	ug/L	99
56) Isopropylbenzene	9.95	105	442129	51.478	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	153215	49.486	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	134876	50.868	ug/L	100
61) Bromoform	9.75	173	66231	52.453	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	211515	49.844	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	218804	50.192	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	216761	49.628	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33159	51.526	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	155845	48.345	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	144492	50.982	ug/L	100
69) Naphthalene	13.52	128	432923	55.420	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	152699	52.980	ug/L	99

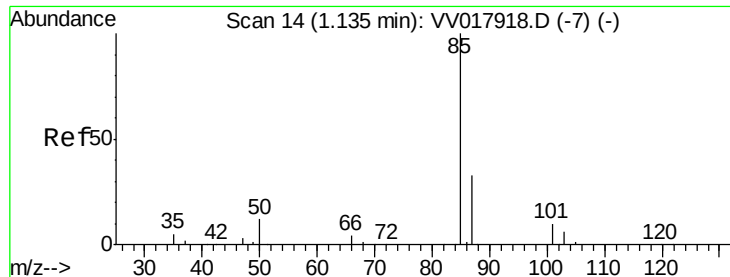
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.742 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

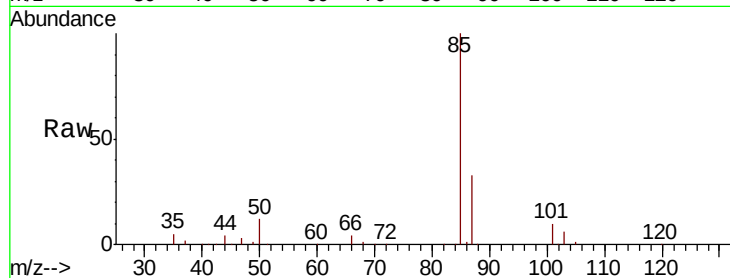
VSTD05098

Tot Ion: 85 Resp: 97179

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

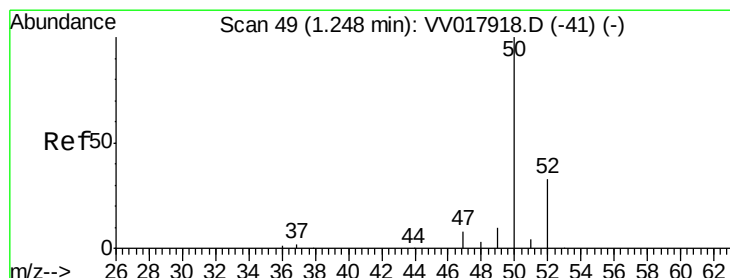
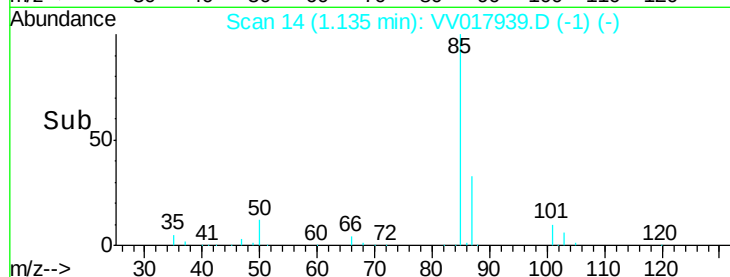
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.573 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017939.D

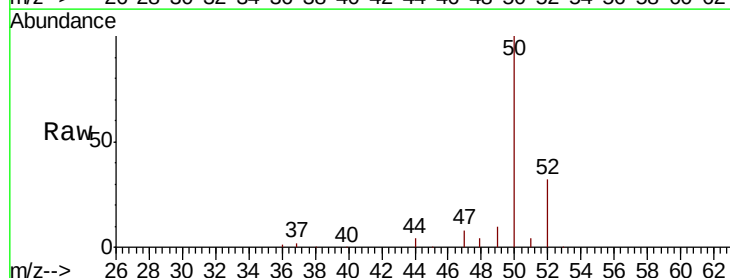
Acq: 12 Aug 2020 20:40

Tgt Ion: 50 Resp: 117217

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

120000

100000

80000

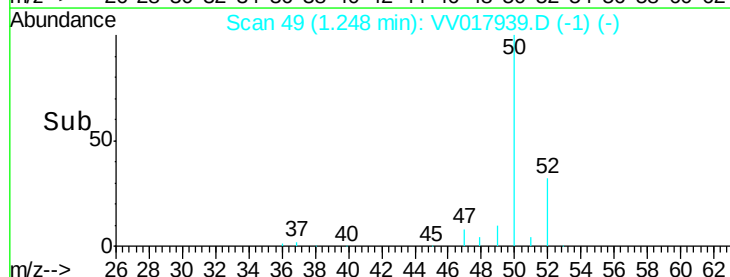
60000

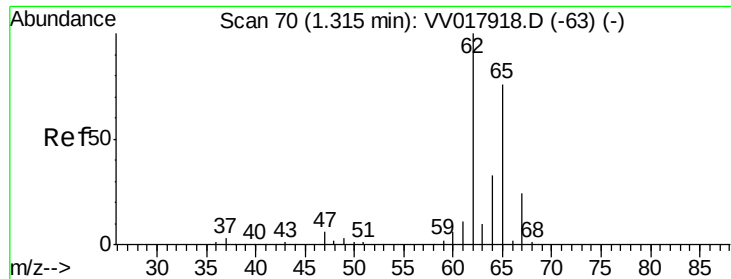
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.442 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

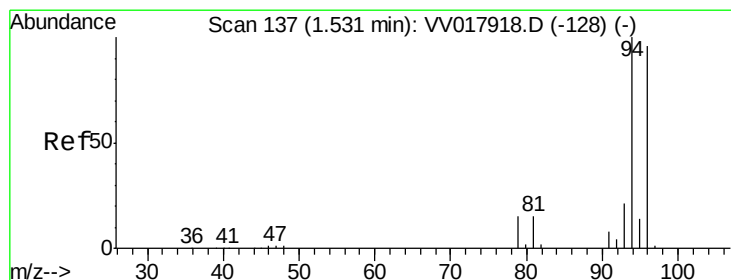
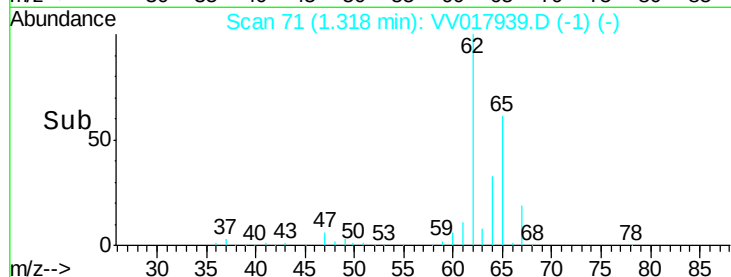
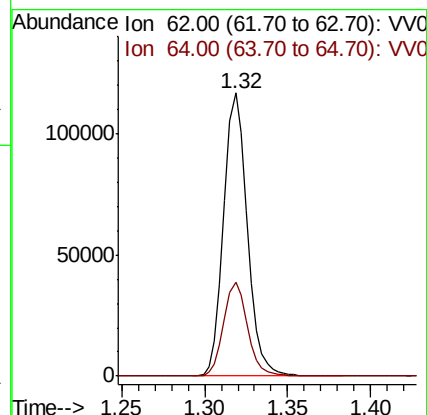
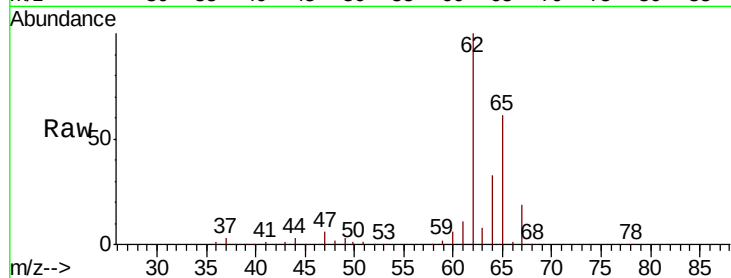
VSTD05098

Tot Ion: 62 Resp: 115831

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



#6

Bromomethane

Concen: 50.318 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017939.D

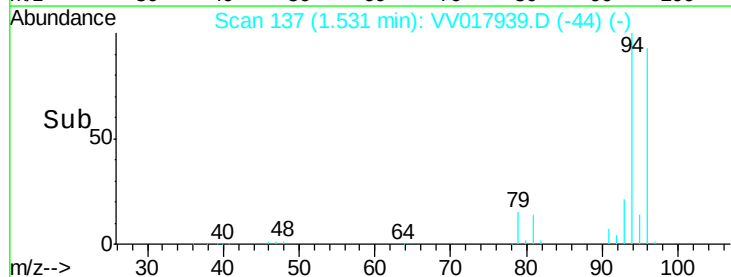
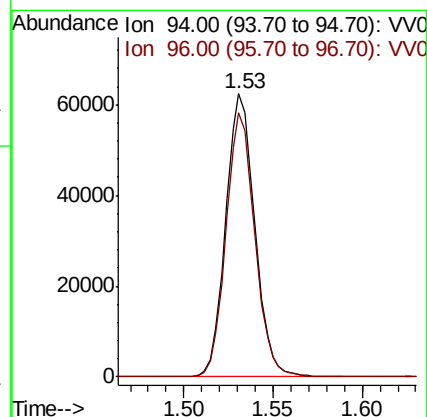
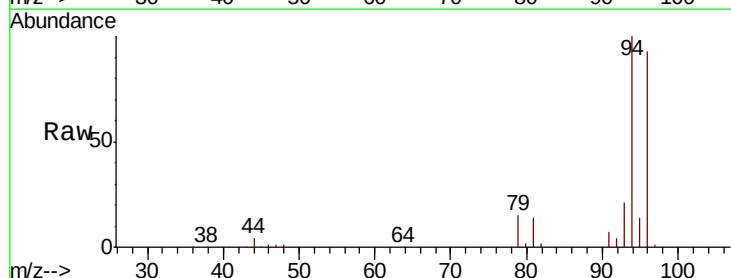
Acq: 12 Aug 2020 20:40

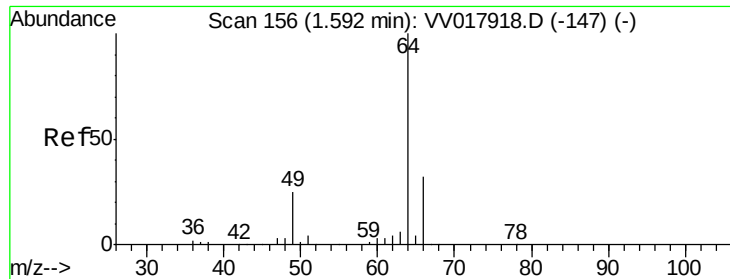
Tgt Ion: 94 Resp: 70455

Ion Ratio Lower Upper

94 100

96 93.3 65.5 121.7





#8

Chloroethane

Concen: 50.501 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

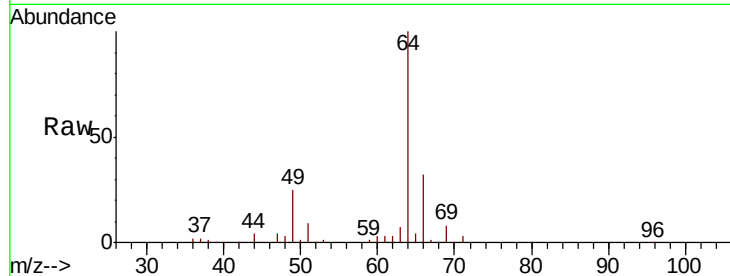
VSTD05098

Tot Ion: 64 Resp: 75513

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017918.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017918.D (-147) (-)

1.60

60000

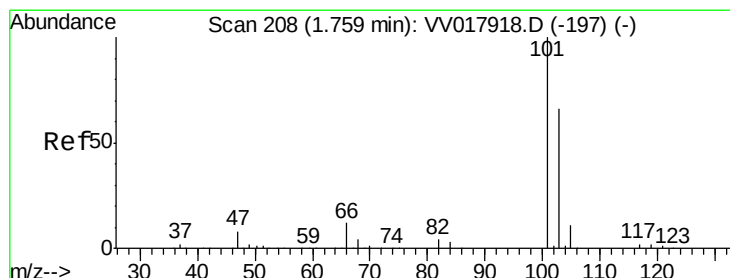
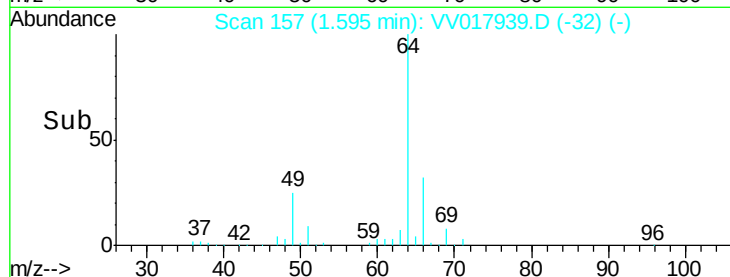
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 48.407 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017939.D

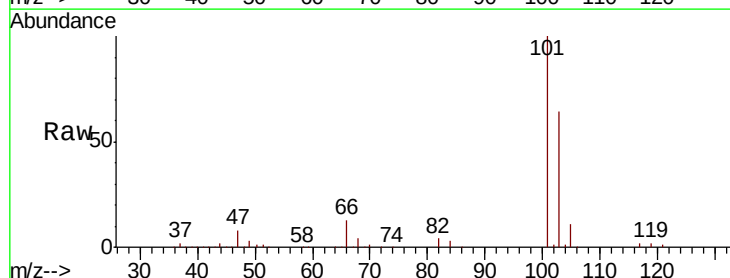
Acq: 12 Aug 2020 20:40

Tgt Ion: 101 Resp: 161993

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017918.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV017918.D (-197) (-)

1.76

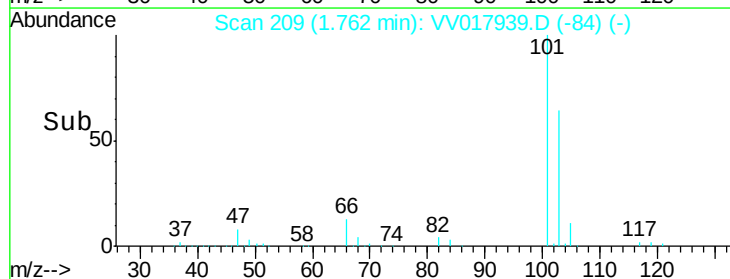
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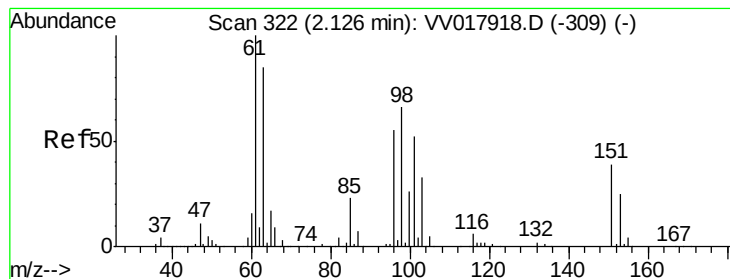
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 47.871 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

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ClientSampleId :

VSTD05098

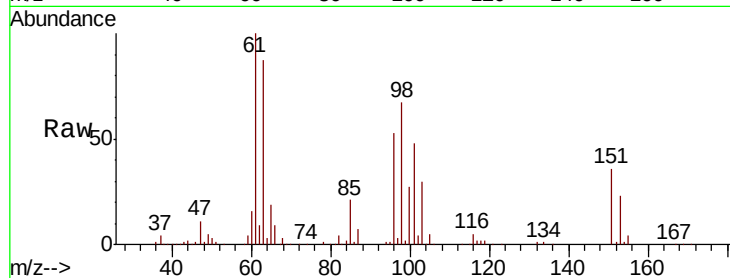
Tot Ion:101 Resp: 89449

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

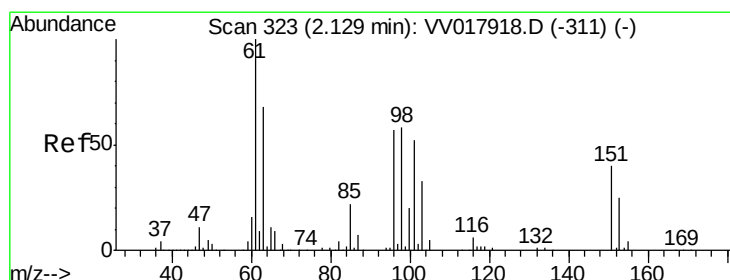
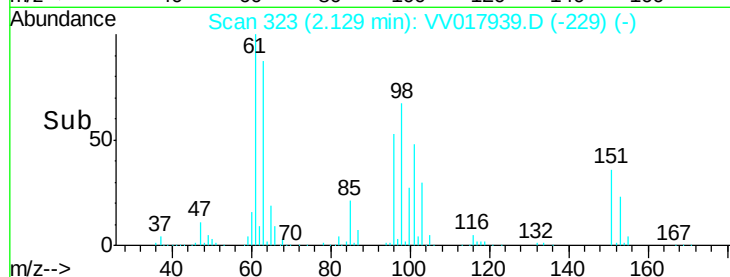
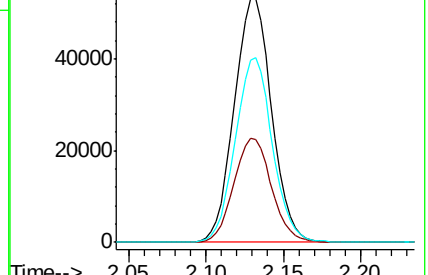
151 75.0 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV017939.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV017939.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV017939.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 49.714 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

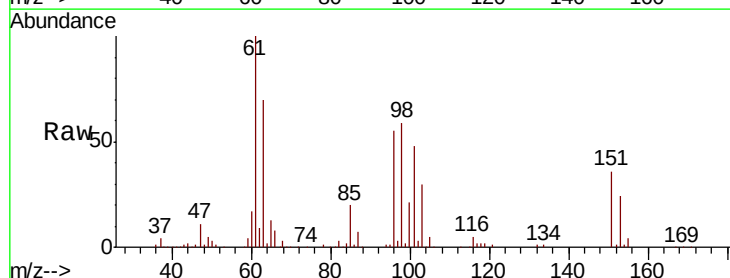
Tgt Ion: 96 Resp: 87923

Ion Ratio Lower Upper

96 100

61 181.9 127.1 236.0

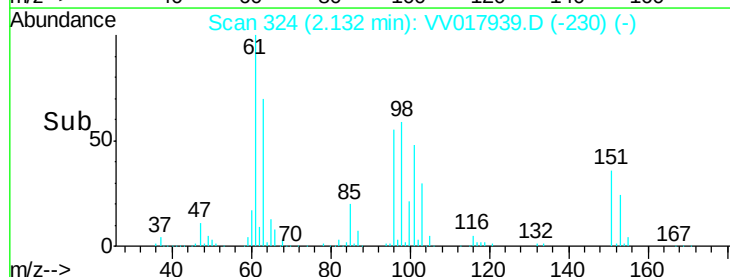
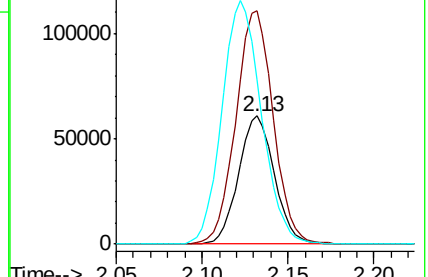
63 128.0 95.2 176.8

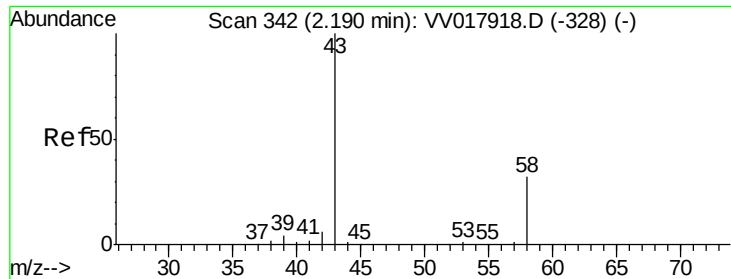


Abundance Ion 96.00 (95.70 to 96.70): VV017939.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017939.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017939.D (-230) (-)





#13

Acetone

Concen: 75.004 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017939.D

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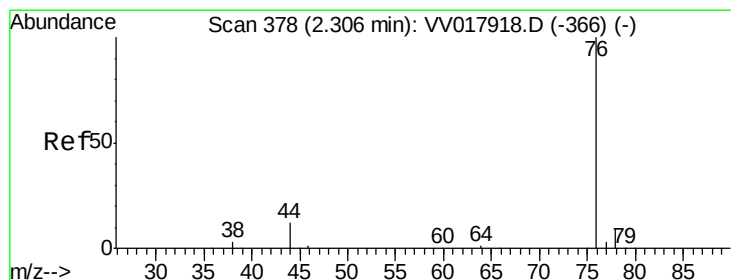
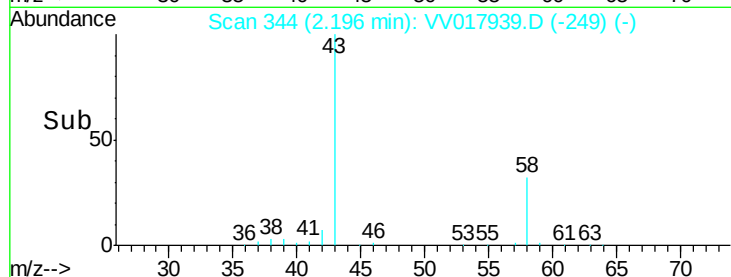
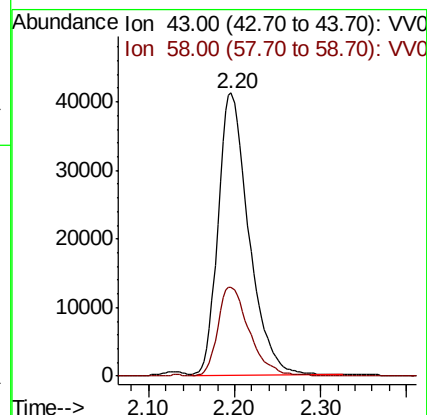
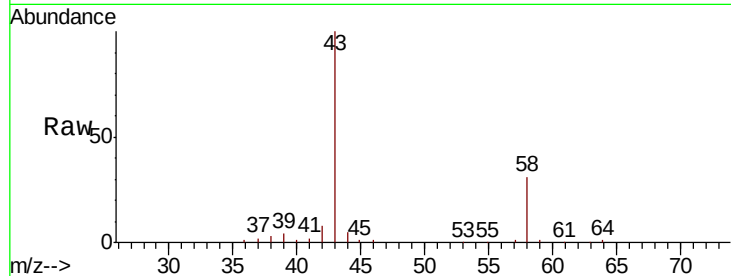
VSTD05098

Tot Ion: 43 Resp: 102072

Ion Ratio Lower Upper

43 100

58 32.5 0.0 63.6



#14

Carbon disulfide

Concen: 50.064 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017939.D

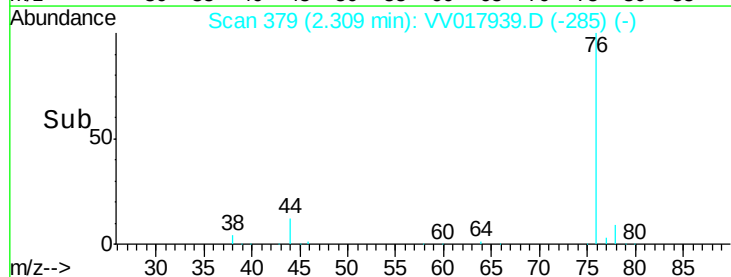
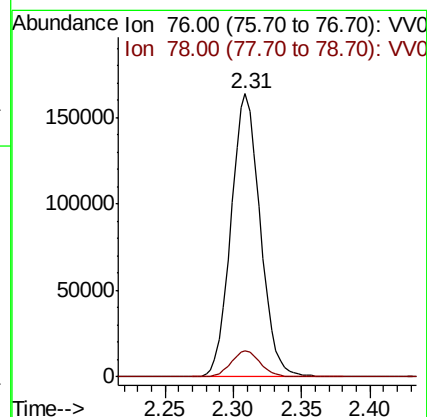
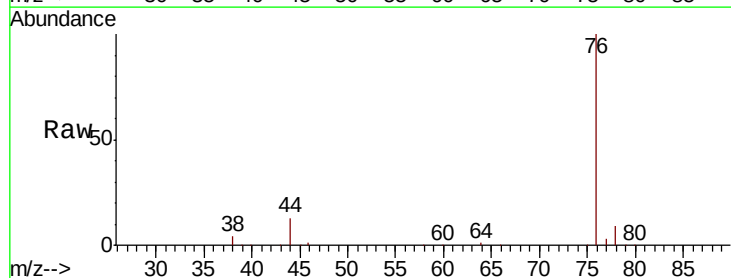
Acq: 12 Aug 2020 20:40

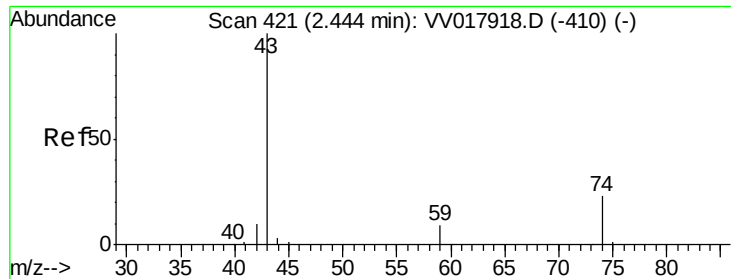
Tgt Ion: 76 Resp: 243699

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

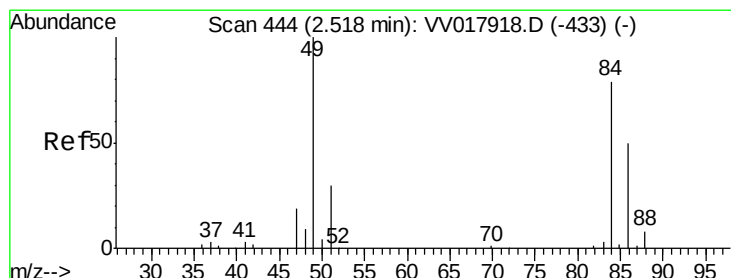
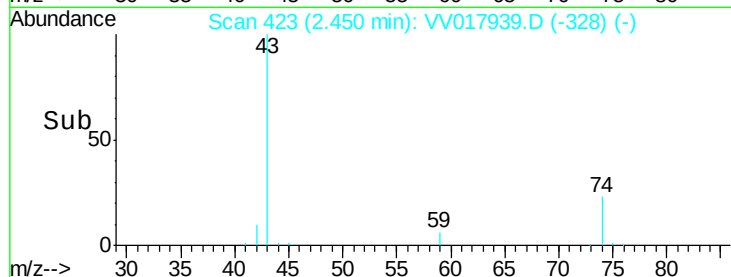
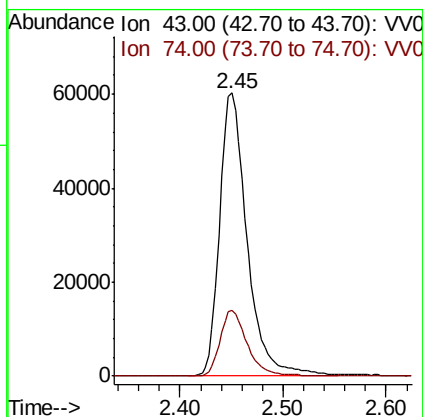
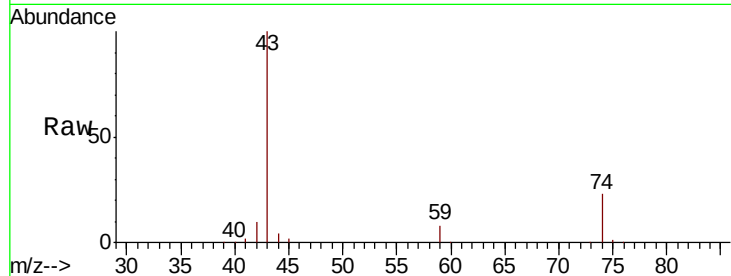




#15
Methyl Acetate
Concen: 51.017 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

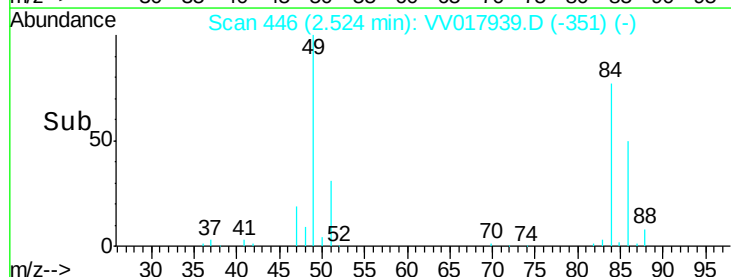
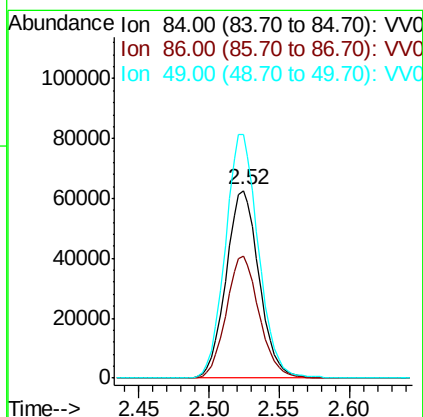
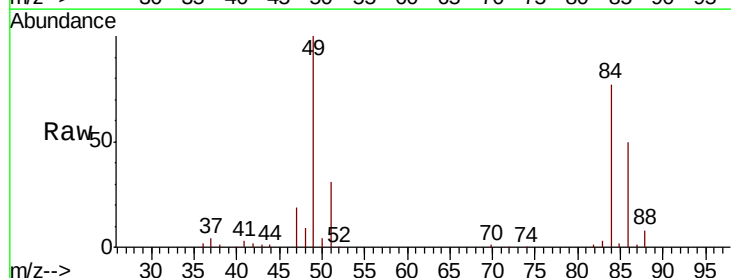
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

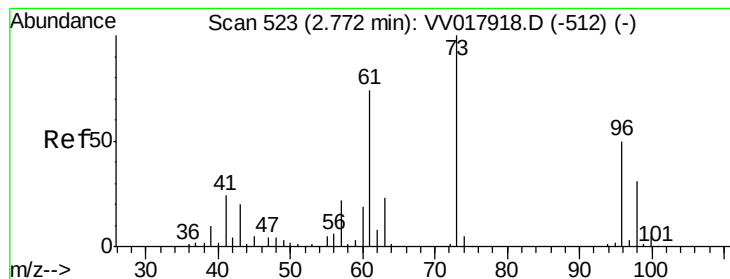
Tot Ion: 43 Resp: 112042
Ion Ratio Lower Upper
43 100
74 22.9 18.4 27.6



#16
Methylene chloride
Concen: 45.628 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

Tgt Ion: 84 Resp: 102807
Ion Ratio Lower Upper
84 100
86 64.9 46.3 85.9
49 129.6 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.750 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

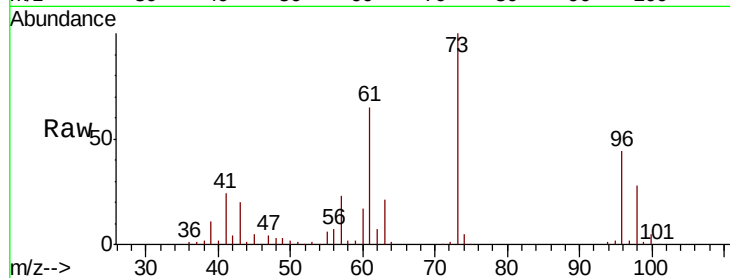
Tot Ion: 96 Resp: 90445

Ion Ratio Lower Upper

96 100

61 148.4 102.4 190.2

98 63.0 44.4 82.5

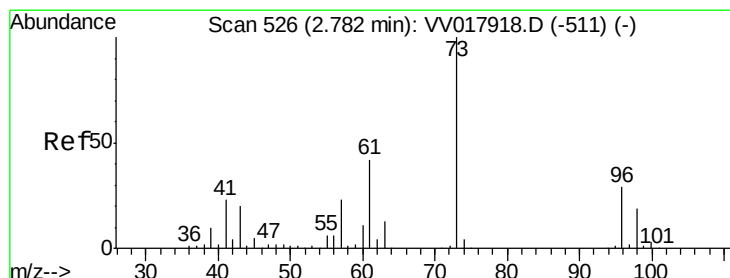
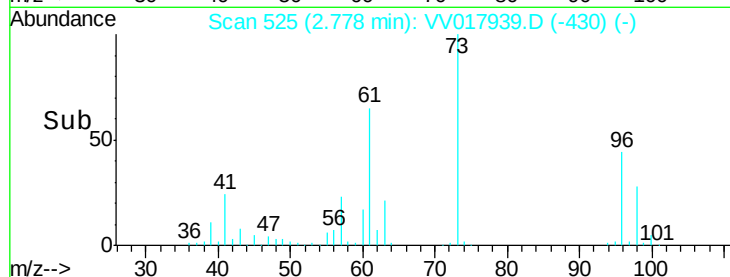
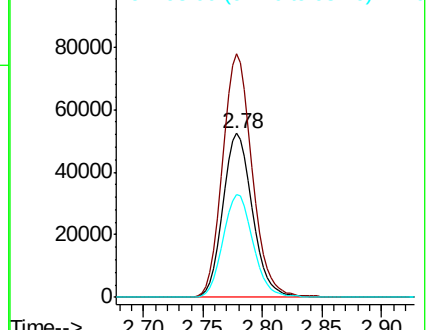


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.330 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

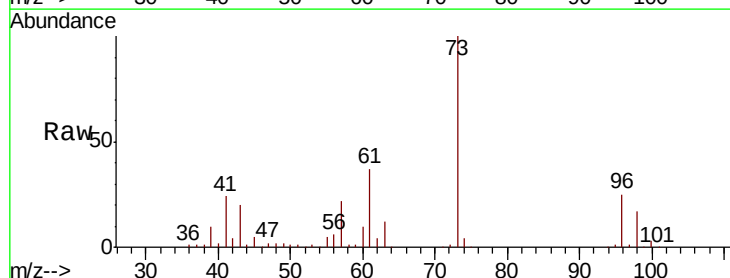
Tgt Ion: 73 Resp: 302607

Ion Ratio Lower Upper

73 100

43 19.9 15.9 23.9

57 22.6 18.1 27.1

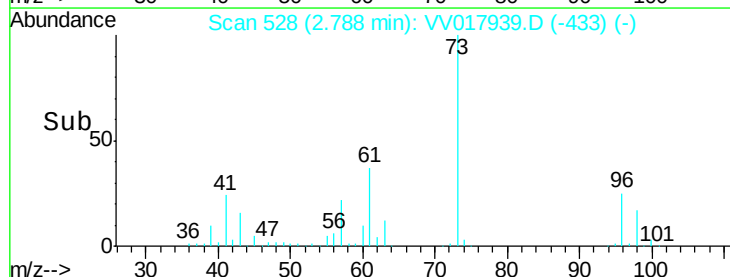
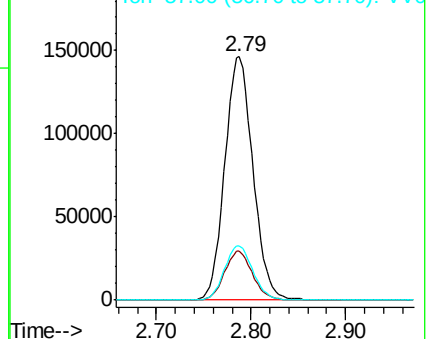


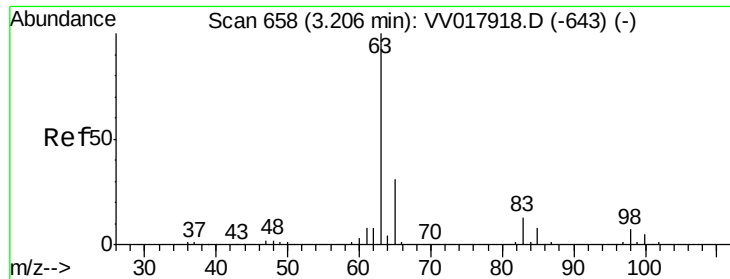
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

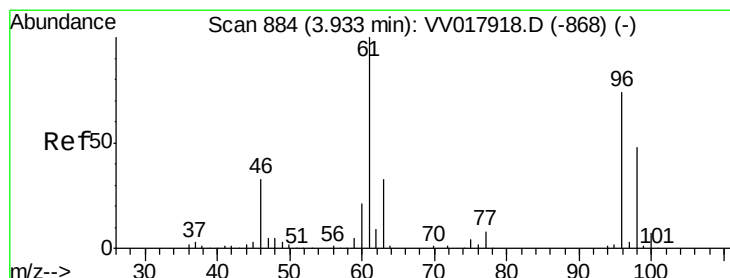
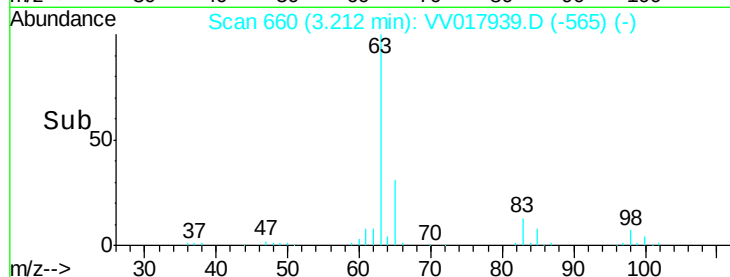
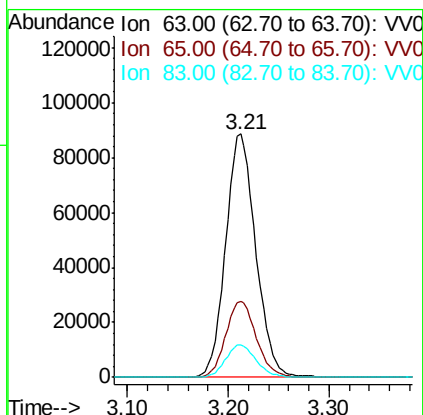
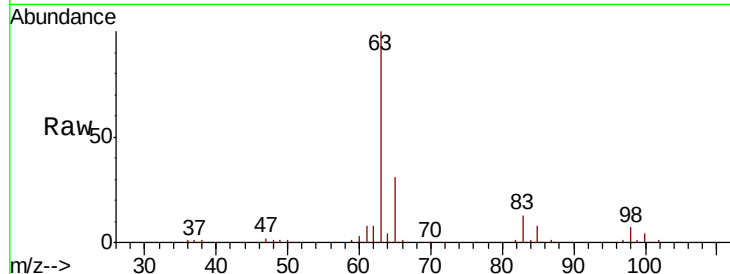




#19
 1,1-Dichloroethane
 Concen: 50.472 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

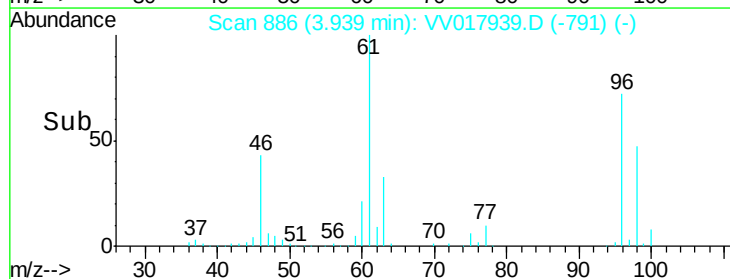
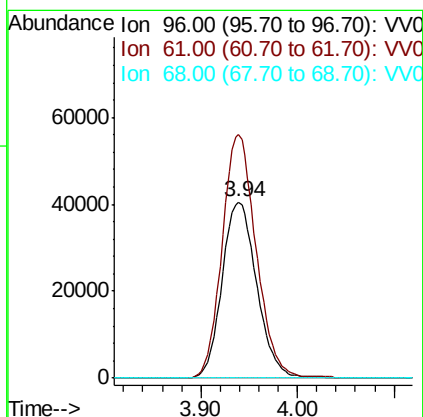
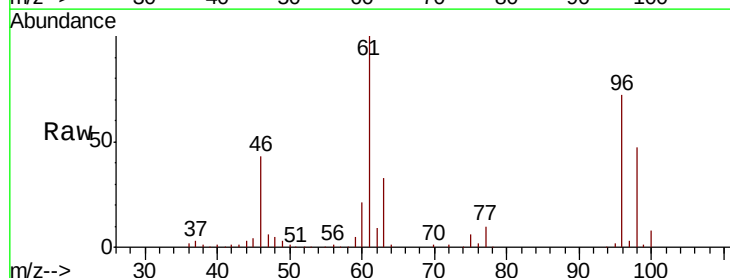
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

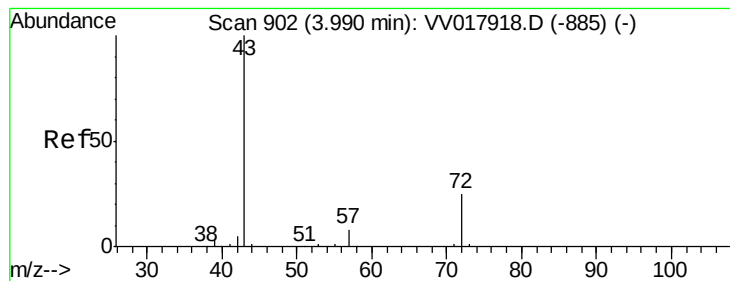
Tot Ion: 63 Resp: 184504
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.7
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.422 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion: 96 Resp: 100734
 Ion Ratio Lower Upper
 96 100
 61 138.3 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.262 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampled :

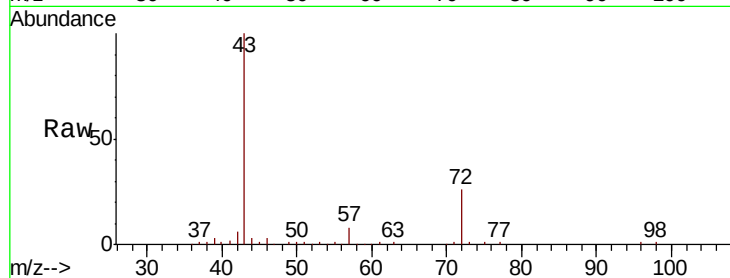
VSTD05098

Tot Ion: 43 Resp: 153069

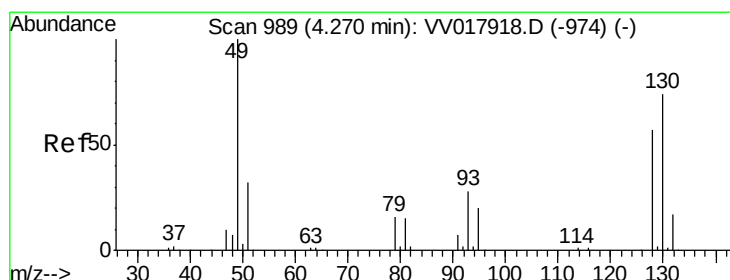
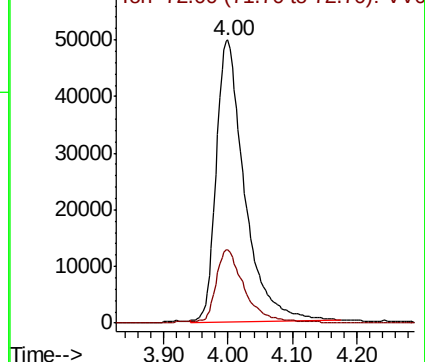
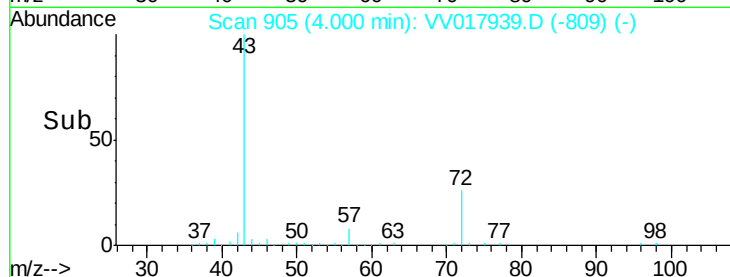
Ion Ratio Lower Upper

43 100

72 24.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-809) (-)



#23

Bromochloromethane

Concen: 50.283 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Tgt Ion: 128 Resp: 52479

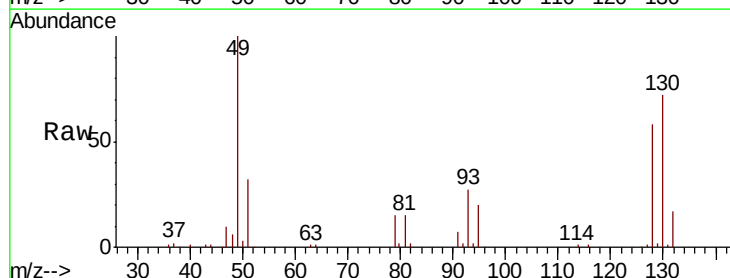
Ion Ratio Lower Upper

128 100

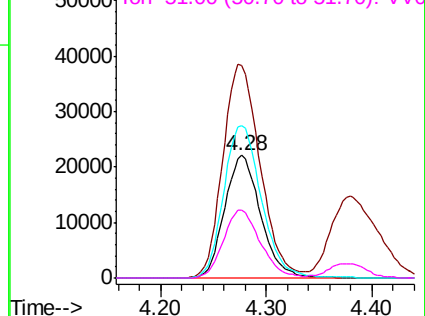
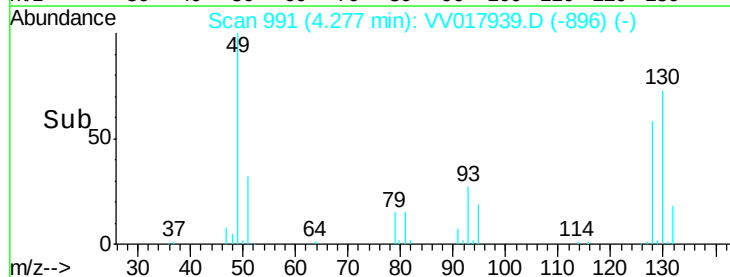
49 173.7 125.6 233.3

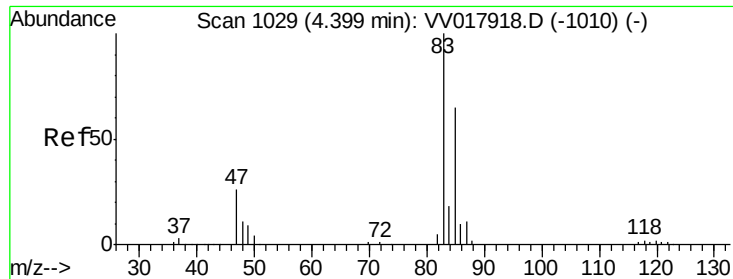
130 124.8 89.9 167.0

51 55.6 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV017939.D (-896) (-)

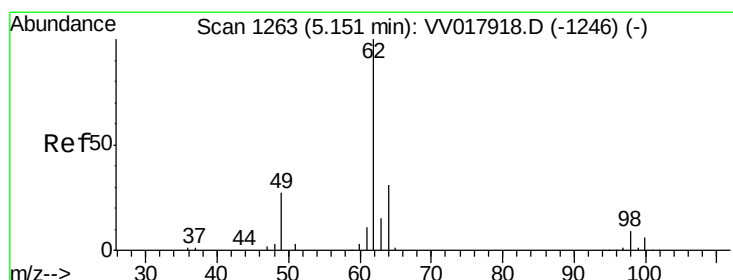
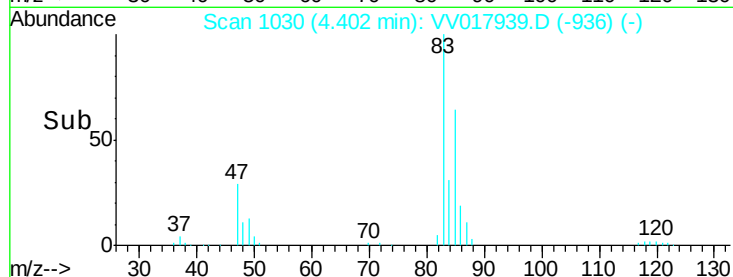
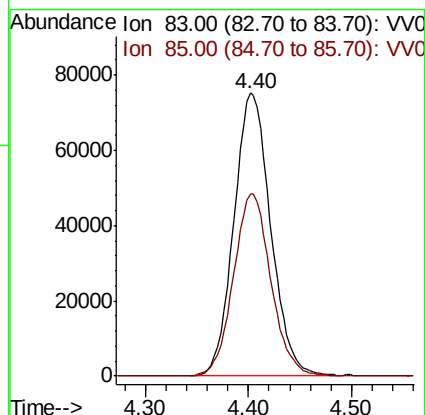
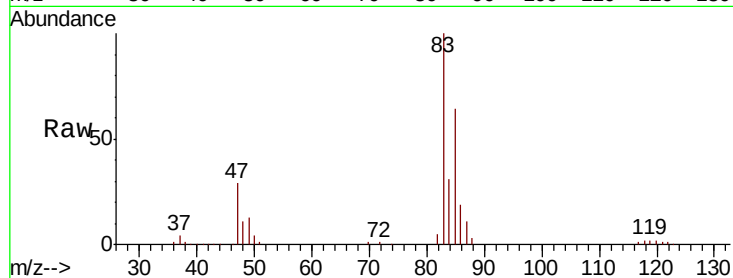




#25
Chloroform
Concen: 50.247 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

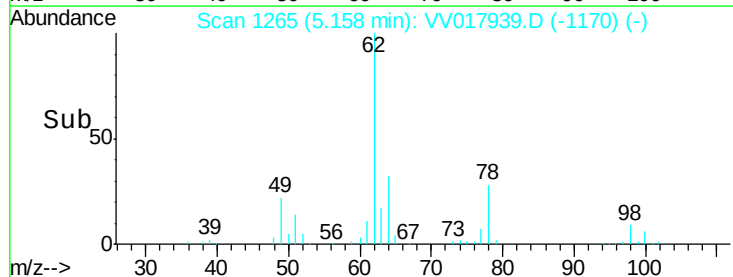
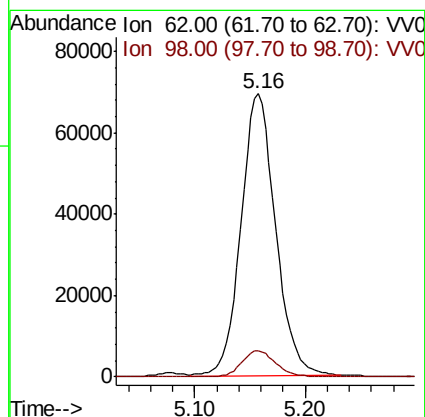
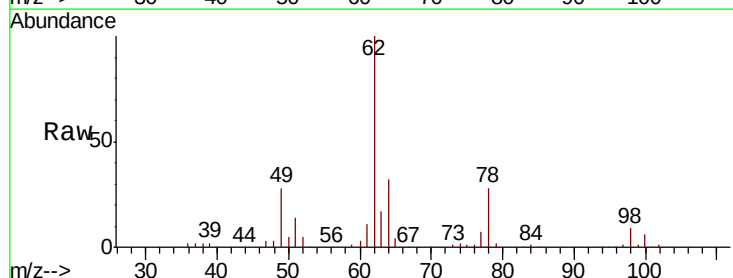
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

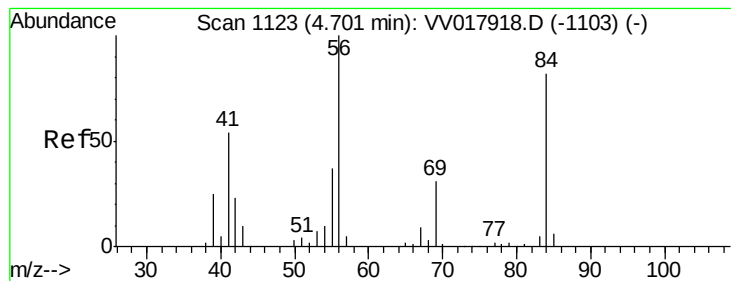
Tot Ion: 83 Resp: 187347
Ion Ratio Lower Upper
83 100
85 64.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.569 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

Tgt Ion: 62 Resp: 150077
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7





#29

Cyclohexane

Concen: 49.856 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

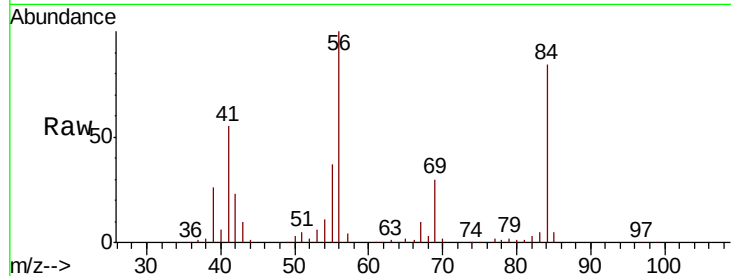
Tot Ion: 56 Resp: 153115

Ion Ratio Lower Upper

56 100

69 29.9 23.8 35.8

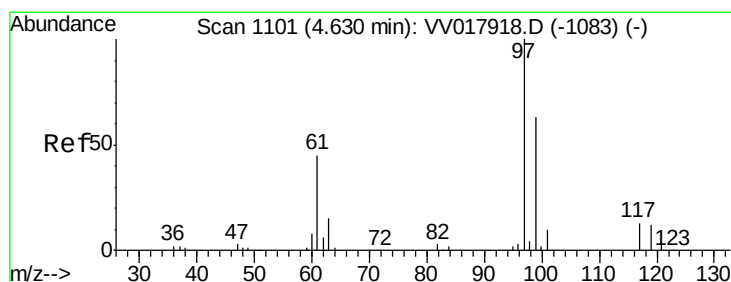
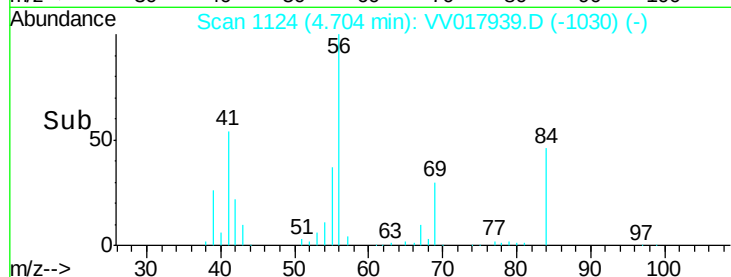
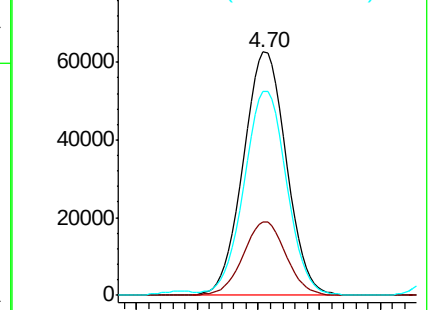
84 83.3 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV017918.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV017918.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV017918.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 50.603 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

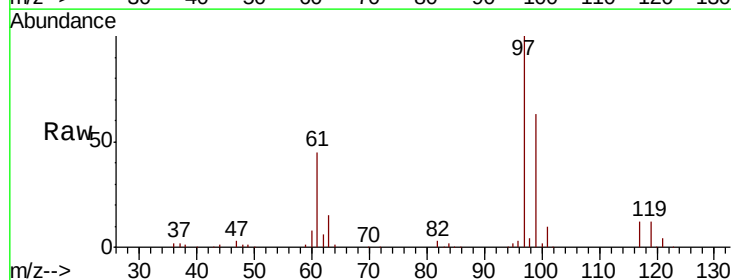
Tgt Ion: 97 Resp: 157794

Ion Ratio Lower Upper

97 100

99 64.1 50.6 76.0

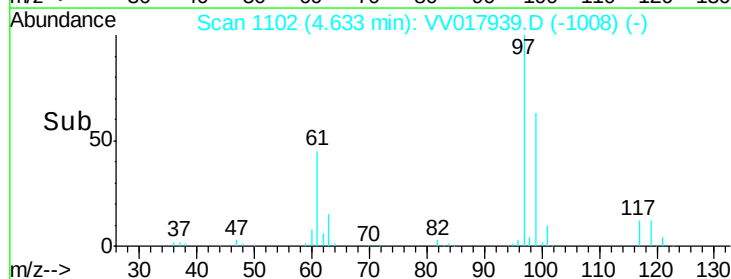
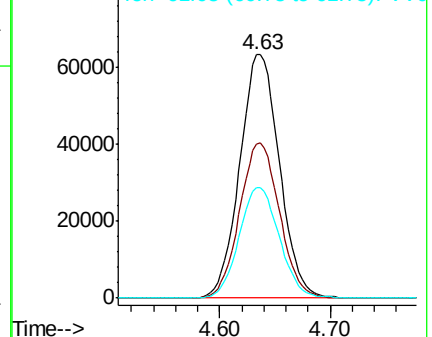
61 46.0 37.0 55.6

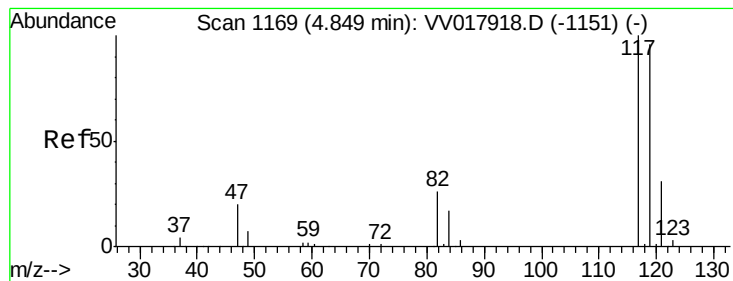


Abundance Ion 97.00 (96.70 to 97.70): VV017918.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017918.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017918.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 51.189 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

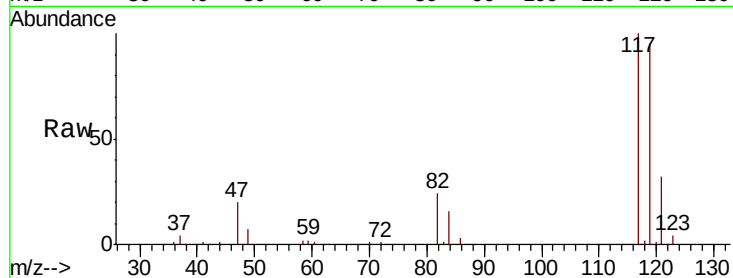
VSTD05098

Tot Ion:117 Resp: 132880

Ion Ratio Lower Upper

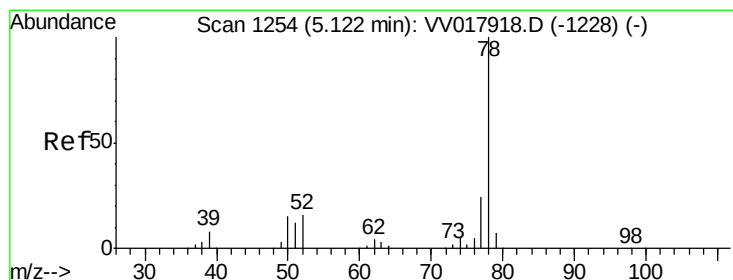
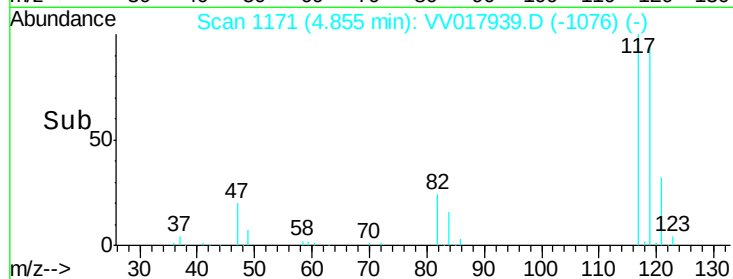
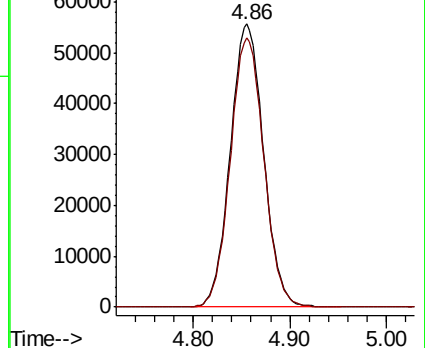
117 100

119 95.9 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.993 ug/L

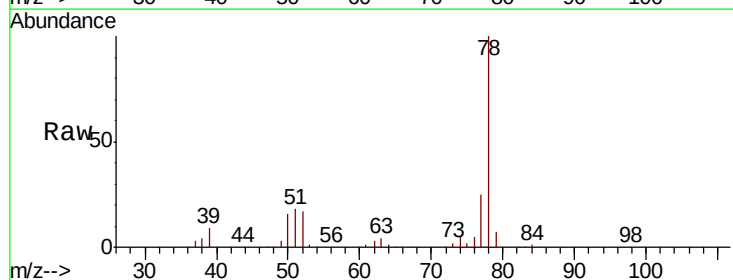
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

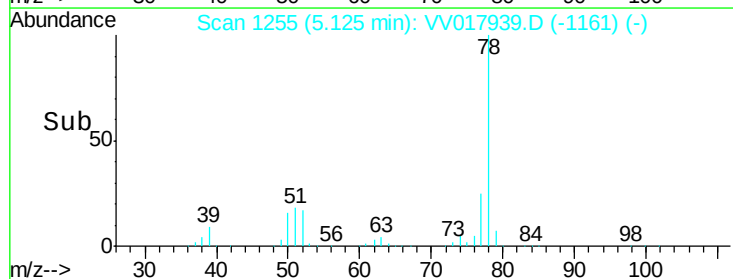
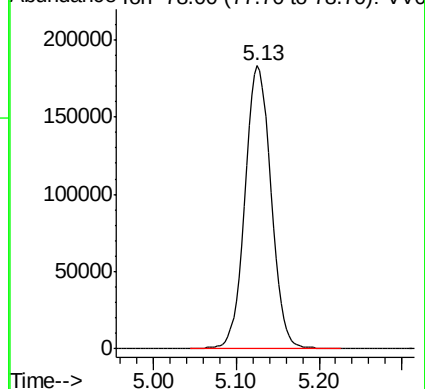
Lab File: VV017939.D

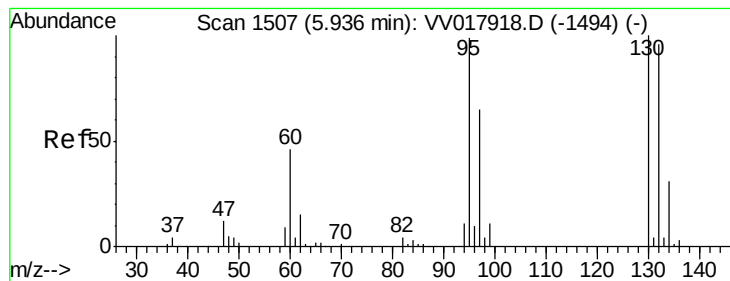
Acq: 12 Aug 2020 20:40

Tgt Ion: 78 Resp: 401445



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.198 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 95 Resp: 104459

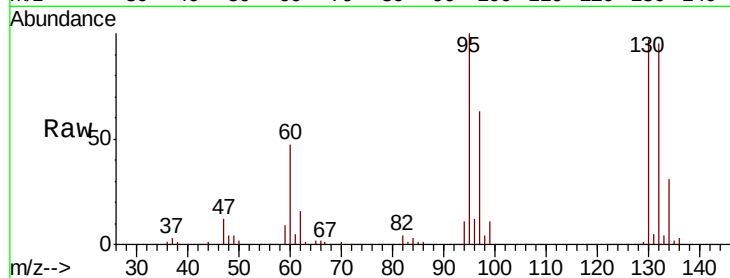
Ion Ratio Lower Upper

95 100

97 62.8 46.0 85.4

132 95.4 65.8 122.2

130 97.1 69.2 128.6

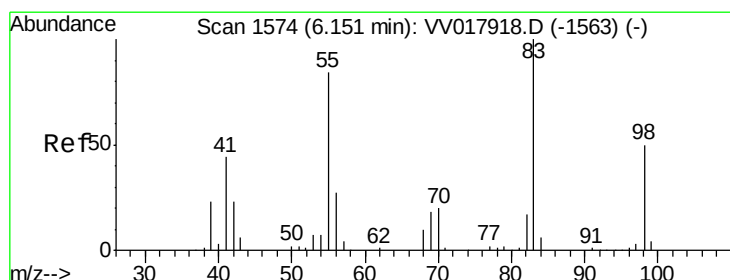
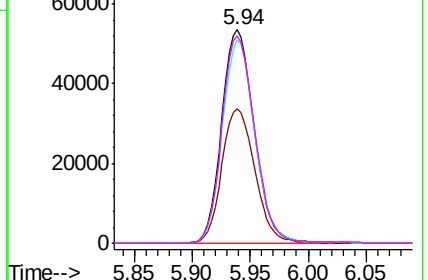
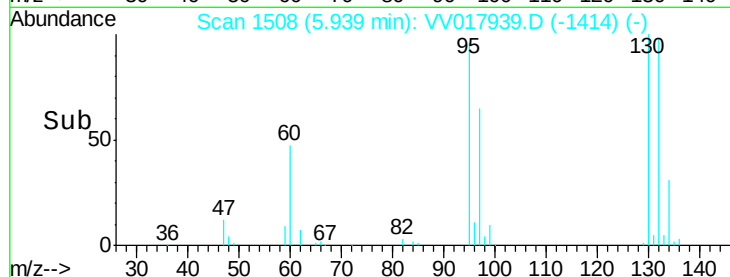


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 47.707 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

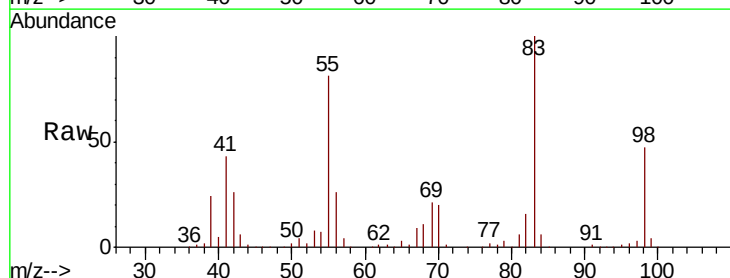
Tgt Ion: 83 Resp: 147620

Ion Ratio Lower Upper

83 100

55 80.6 64.9 97.3

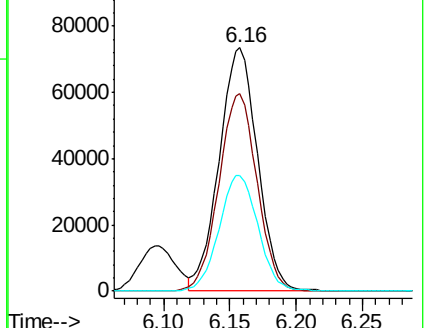
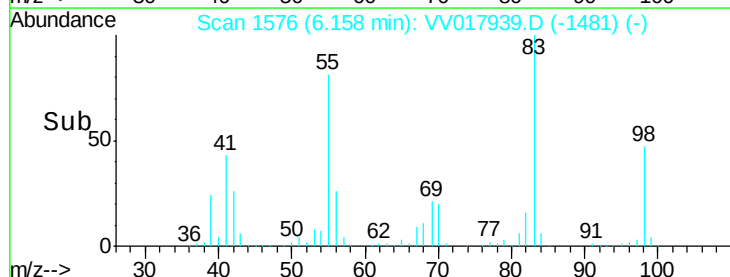
98 48.3 38.7 58.1

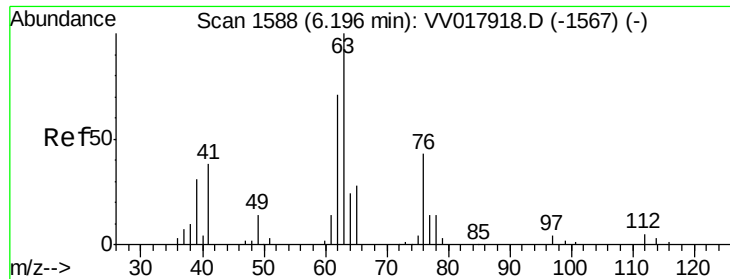


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

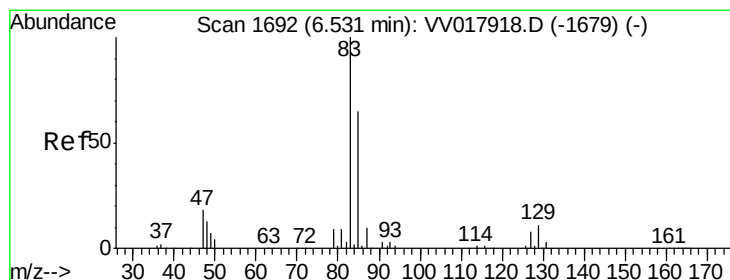
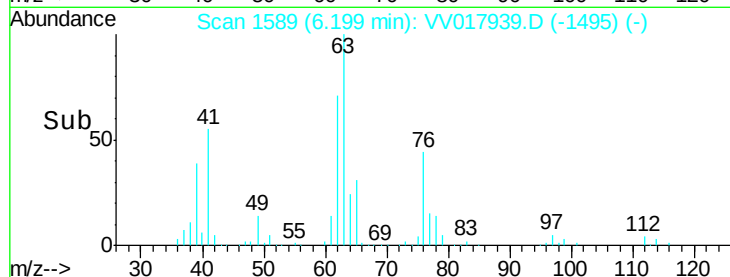
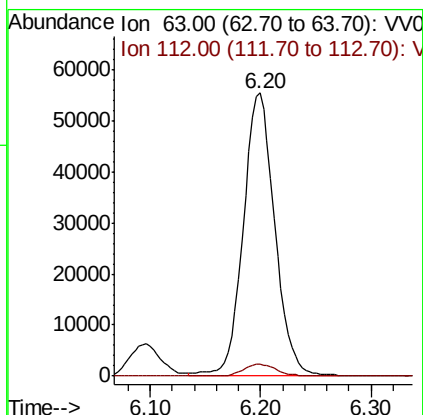
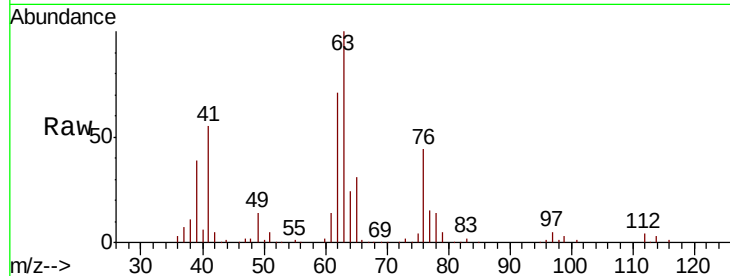




#37
 1,2-Dichloropropane
 Concen: 50.601 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

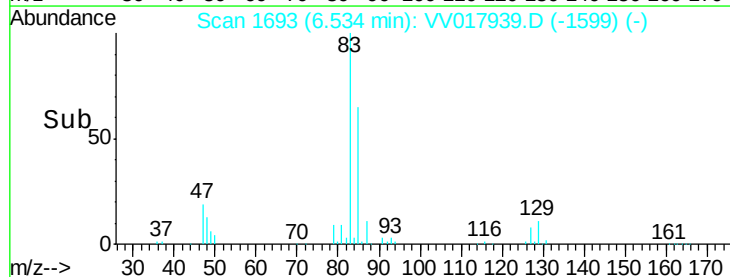
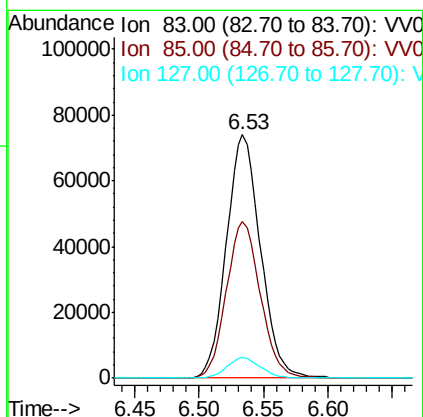
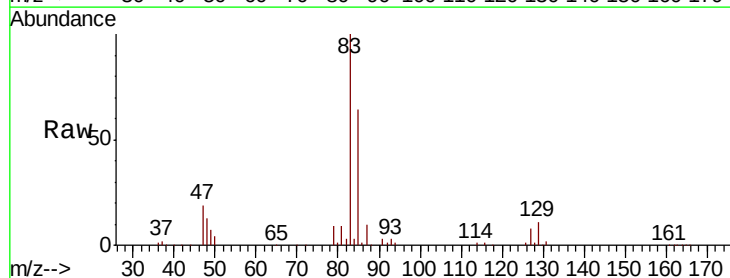
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

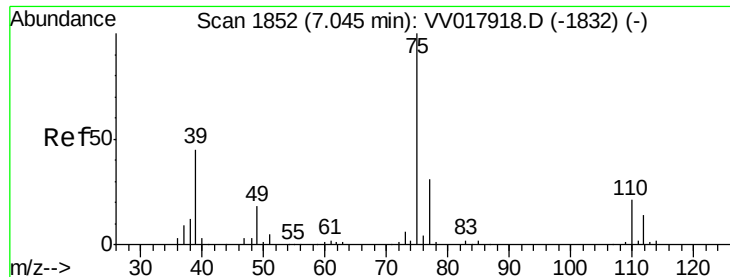
Tot Ion: 63 Resp: 108638
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.928 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion: 83 Resp: 135812
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.3 82.3
 127 8.4 6.5 9.7

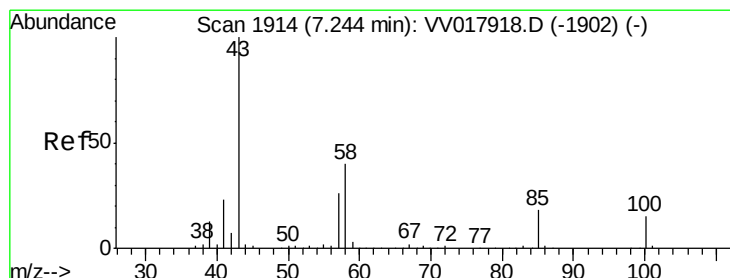
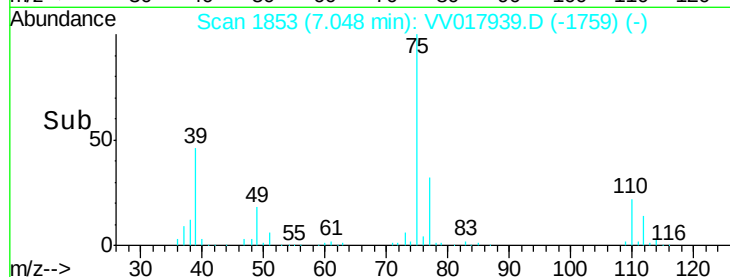
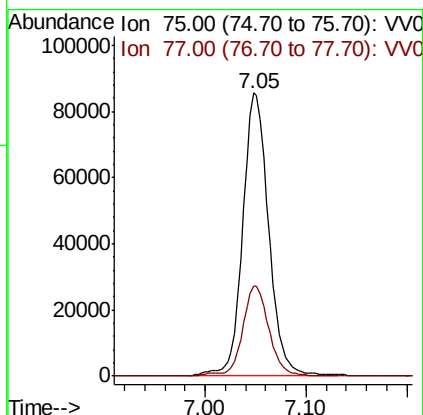
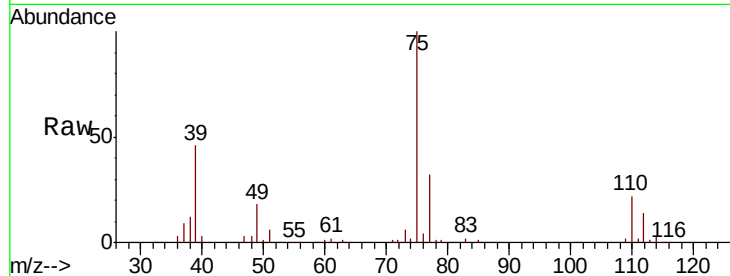




#39
 cis-1,3-Dichloropropene
 Concen: 50.119 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

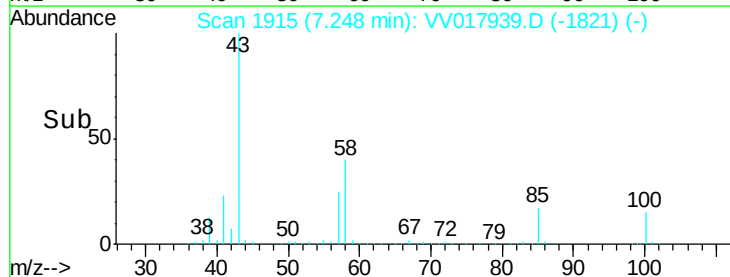
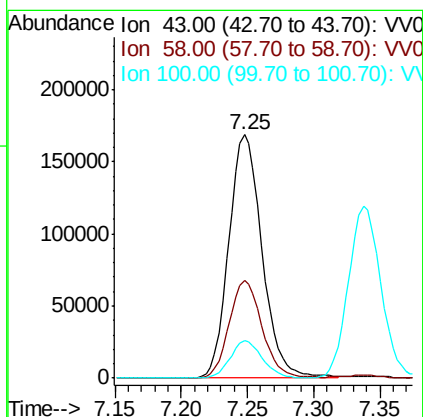
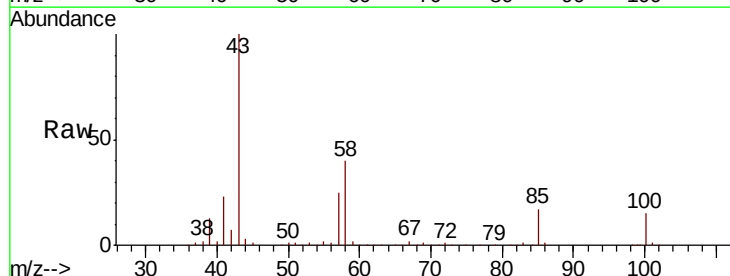
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

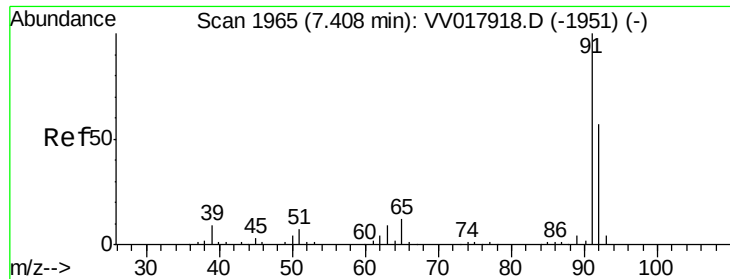
Tot Ion: 75 Resp: 152540
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 105.107 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion: 43 Resp: 294996
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9
 100 14.9 12.2 18.2





#42

Toluene

Concen: 51.646 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

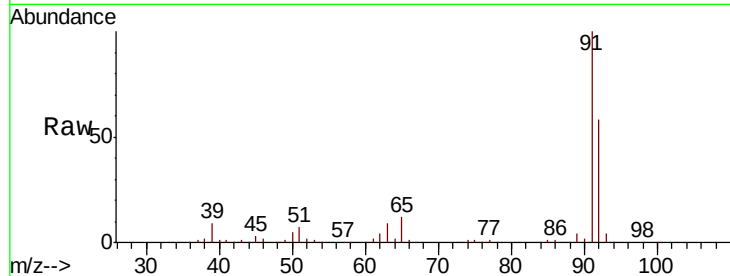
VSTD05098

Tot Ion: 91 Resp: 424266

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV017918.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017918.D (-1951) (-)

7.41

250000

200000

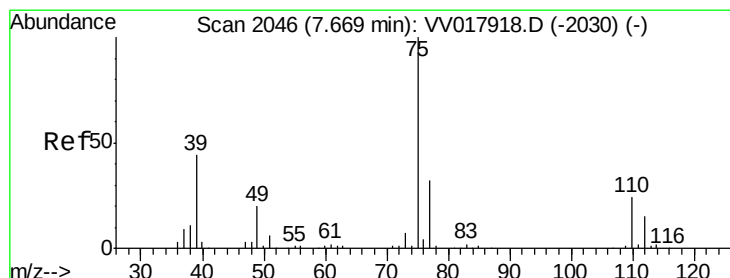
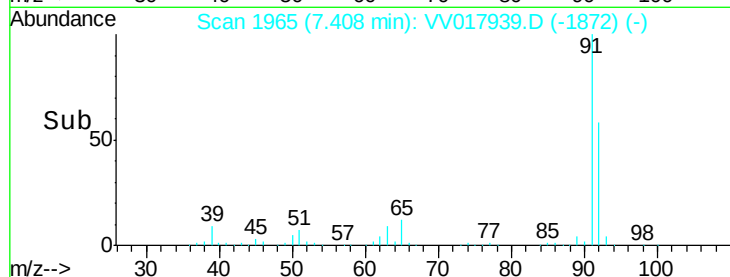
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 51.427 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017939.D

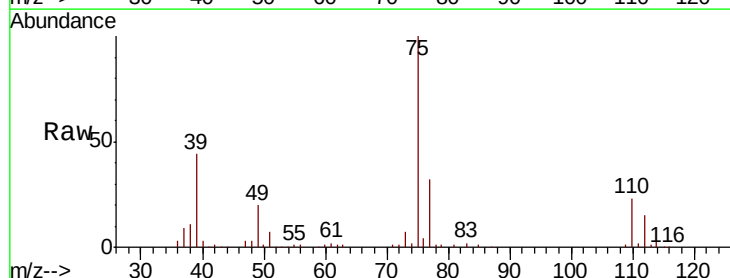
Acq: 12 Aug 2020 20:40

Tgt Ion: 75 Resp: 148509

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017918.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV017918.D (-2030) (-)

7.67

100000

80000

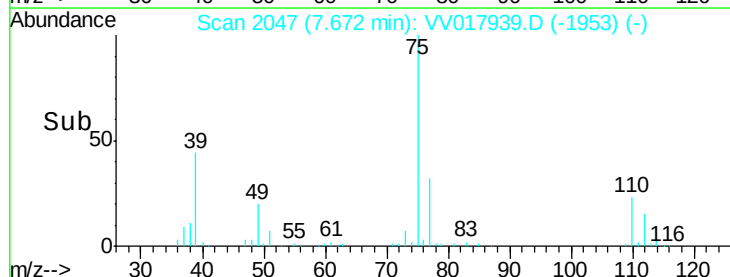
60000

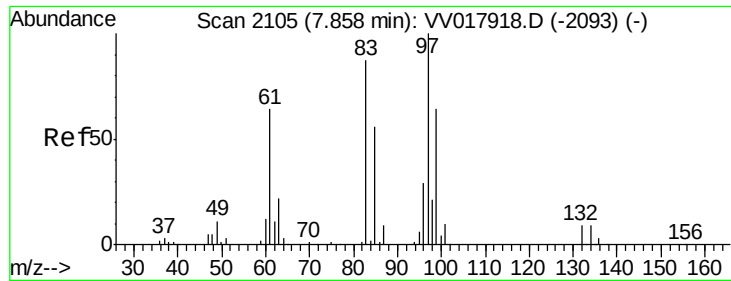
40000

20000

0

Time--> 7.60 7.70 7.80

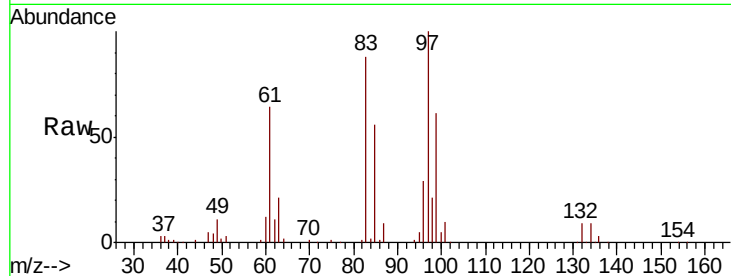




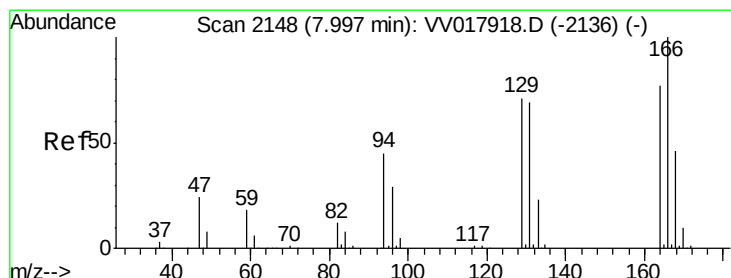
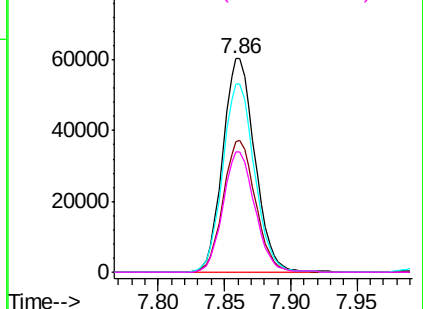
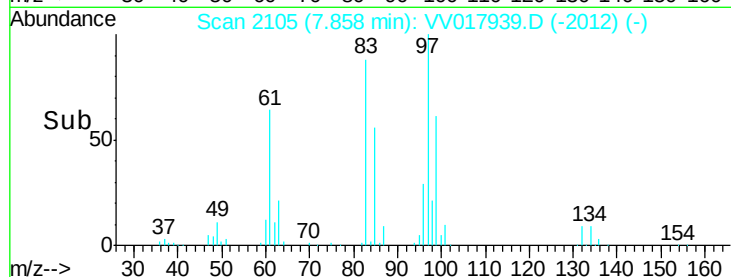
#45
 1,1,2-Trichloroethane
 Concen: 51.030 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:	97	Resp:	101460
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.2	82.2
83	88.3	61.0	113.4
85	56.2	39.5	73.4

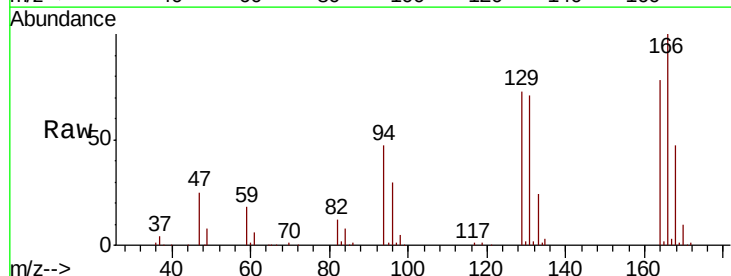


Abundance Ion 97.00 (96.70 to 97.70): VV017939.D (-2012) (-)

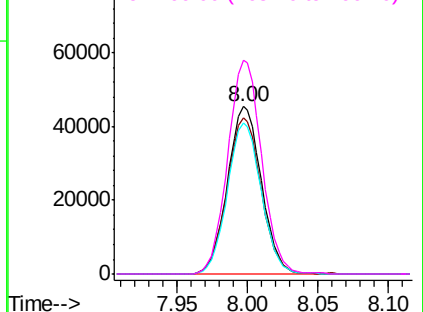
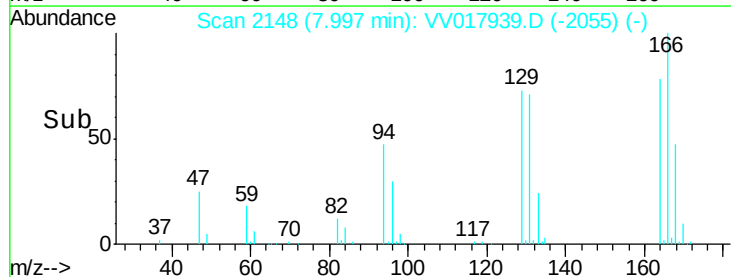


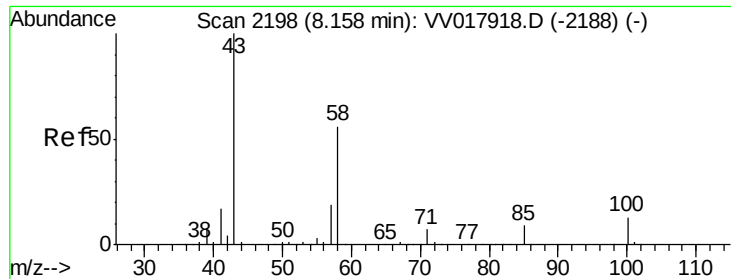
#46
 Tetrachloroethene
 Concen: 50.060 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion:	164	Resp:	76400
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.8	120.3
131	90.5	64.5	119.9
166	127.7	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): VV017939.D (-2055) (-)

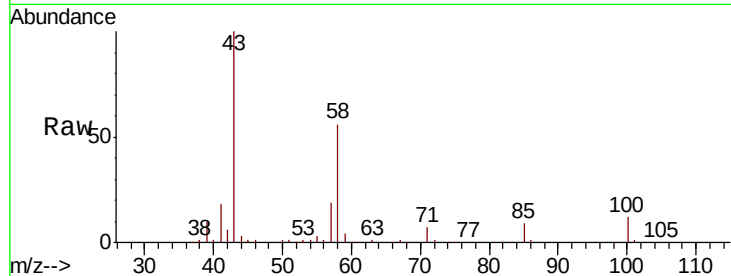




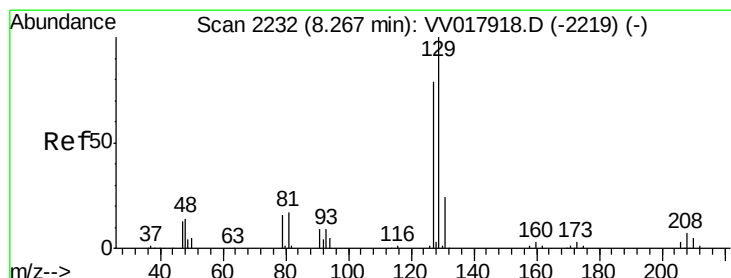
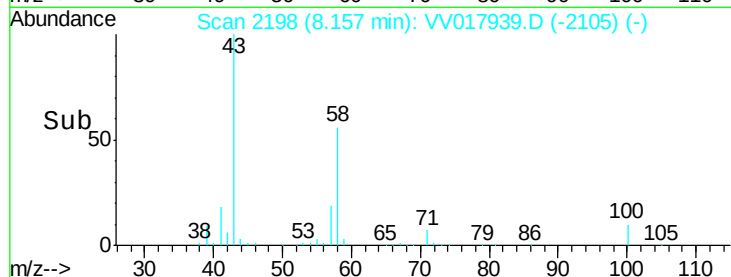
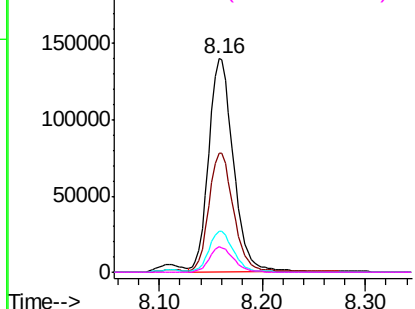
#48
2-Hexanone
Concen: 102.775 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 43 Resp: 232602
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 18.7 15.2 22.8
100 11.8 9.8 14.6

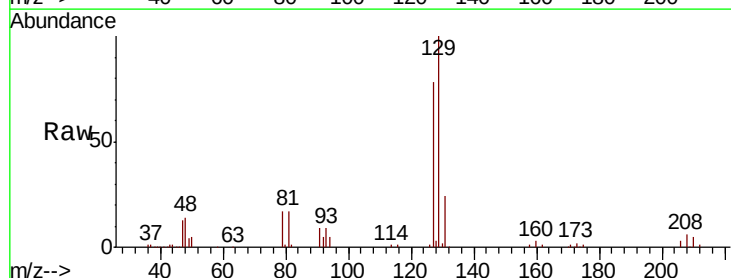


Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV017939.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV017939.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV017939.D (-2198) (-)

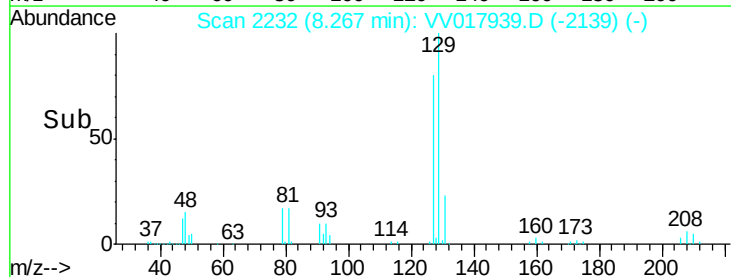
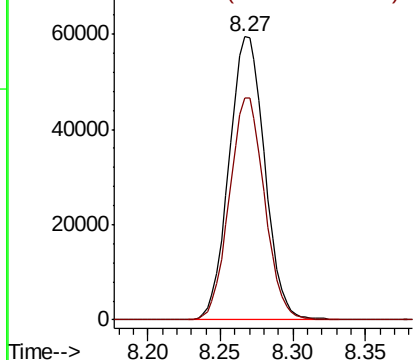


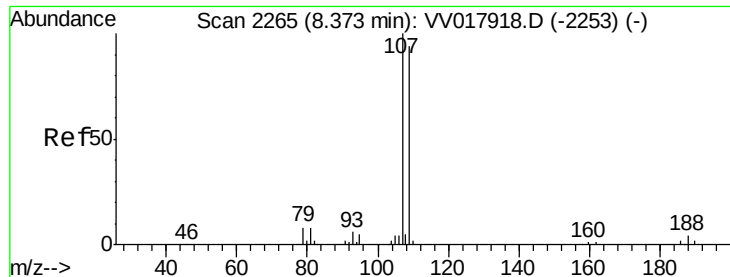
#49
Dibromochloromethane
Concen: 52.335 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017939.D
Acq: 12 Aug 2020 20:40

Tgt Ion: 129 Resp: 101566
Ion Ratio Lower Upper
129 100
127 78.4 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV017939.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV017939.D (-2232) (-)

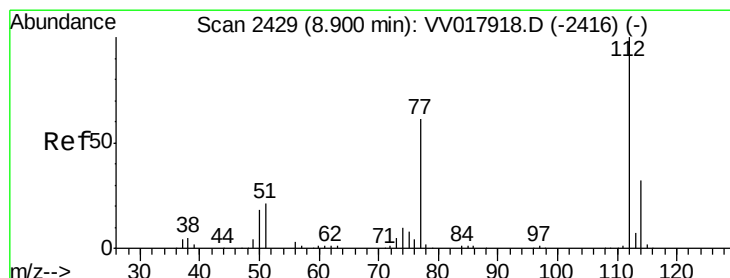
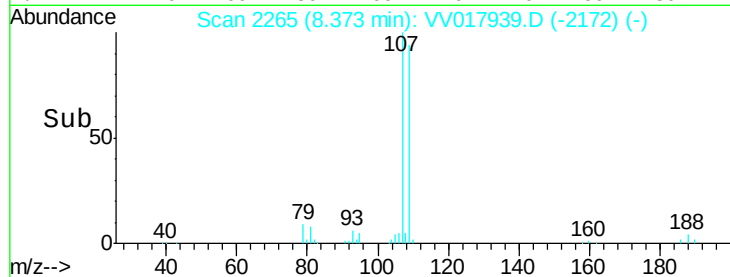
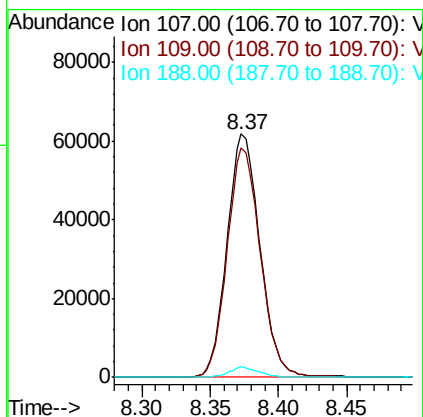
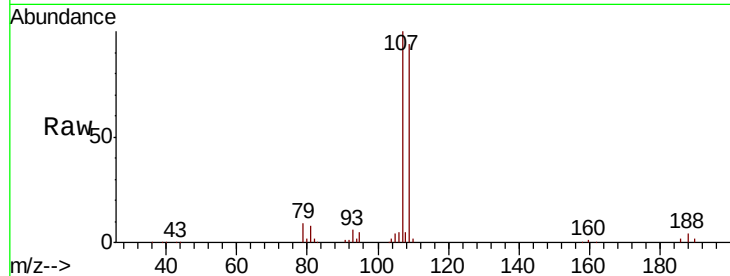




#50
 1,2-Dibromoethane
 Concen: 50.525 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

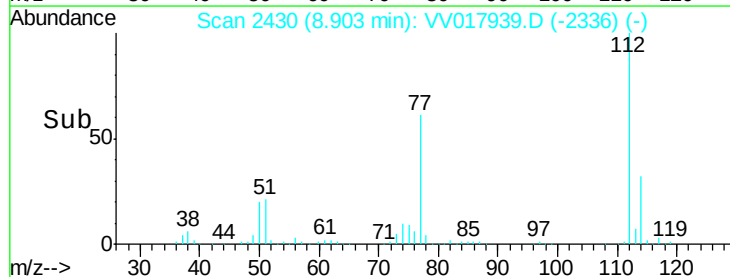
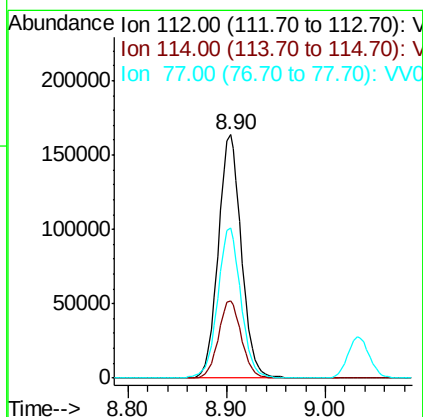
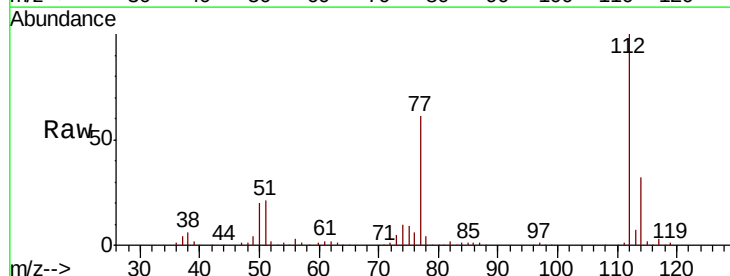
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

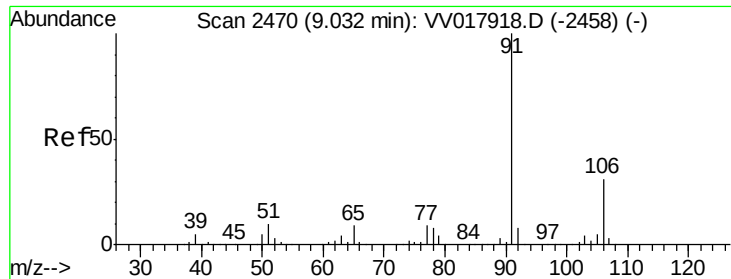
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	67.5	125.4
188	4.2	3.4	5.0



#51
 Chlorobenzene
 Concen: 50.859 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.3
77	61.5	49.4	74.2





#52

Ethylbenzene

Concen: 51.120 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

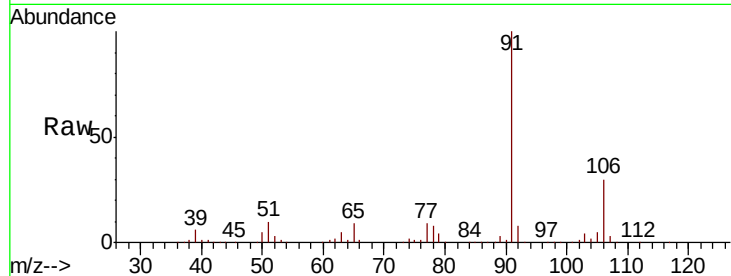
VSTD05098

Tot Ion: 91 Resp: 457892

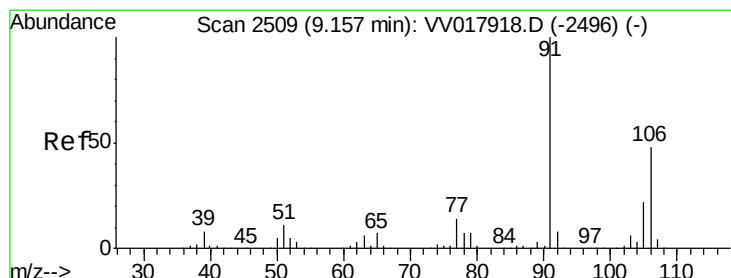
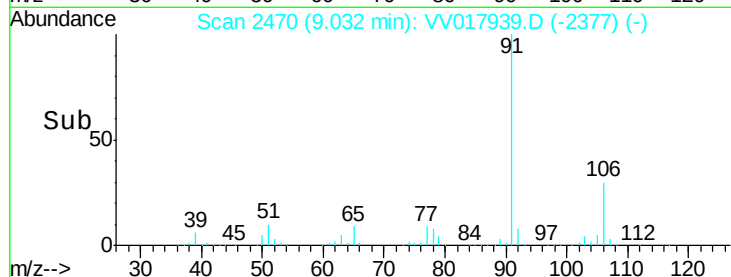
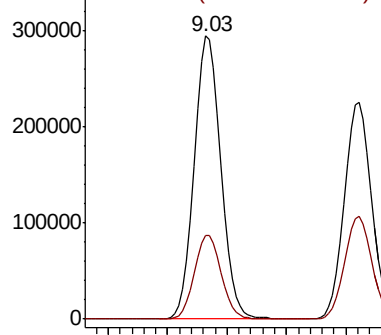
Ion Ratio Lower Upper

91 100

106 29.8 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017939.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.343 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017939.D

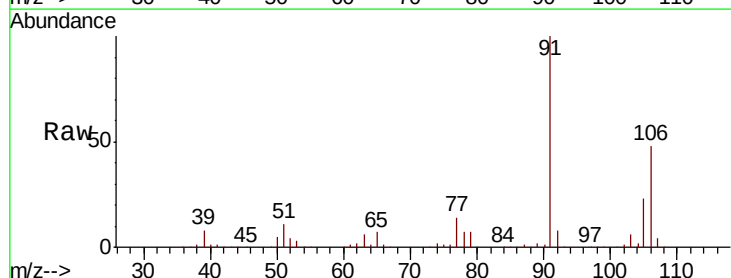
Acq: 12 Aug 2020 20:40

Tgt Ion: 106 Resp: 172442

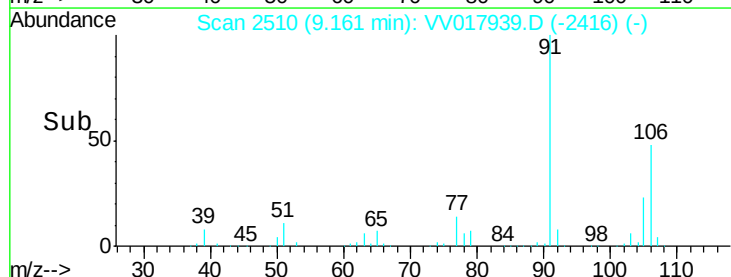
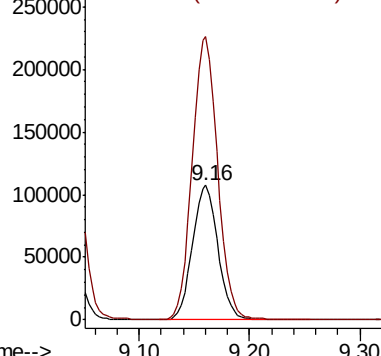
Ion Ratio Lower Upper

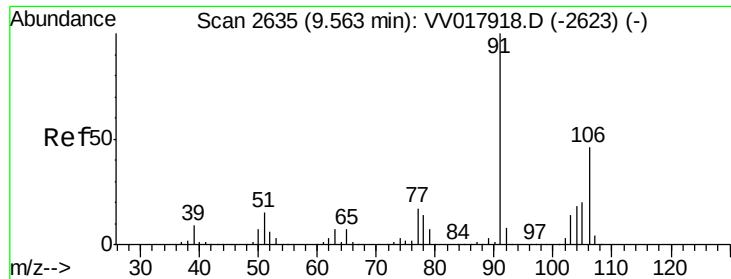
106 100

91 210.5 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017939.D (-2416) (-)





#54

o-xylene

Concen: 51.594 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

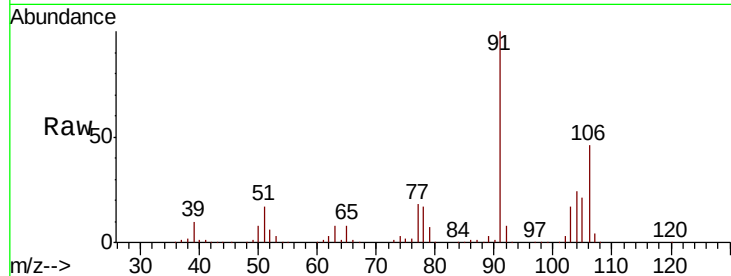
VSTD05098

Tot Ion:106 Resp: 167971

Ion Ratio Lower Upper

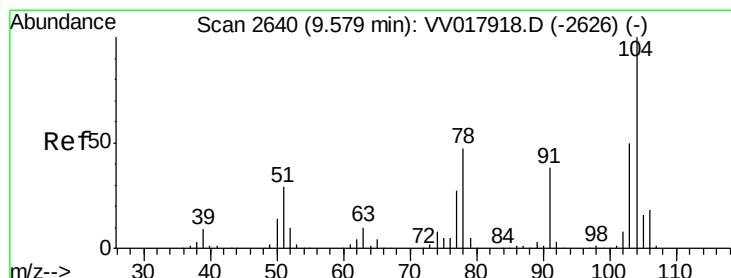
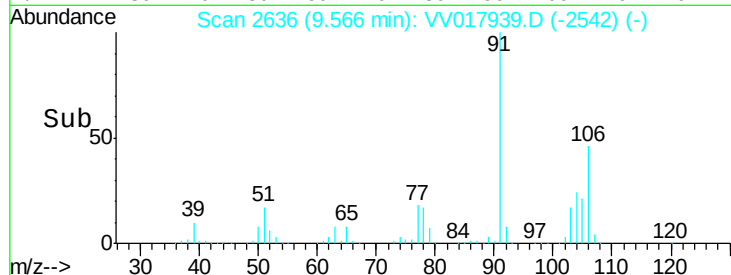
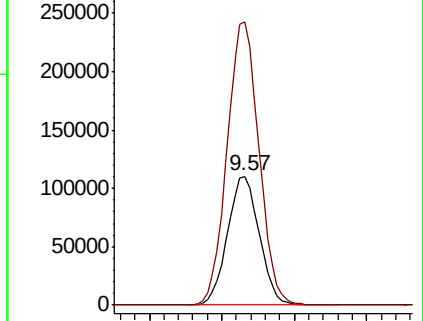
106 100

91 219.3 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.606 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017939.D

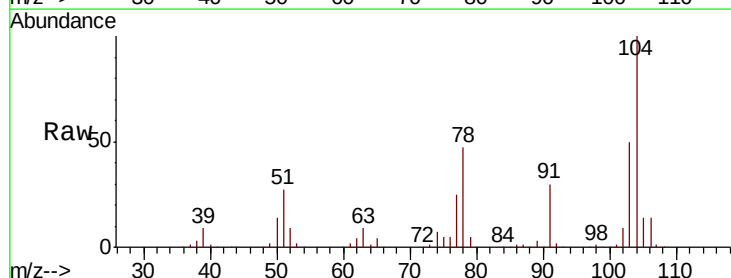
Acq: 12 Aug 2020 20:40

Tgt Ion:104 Resp: 298870

Ion Ratio Lower Upper

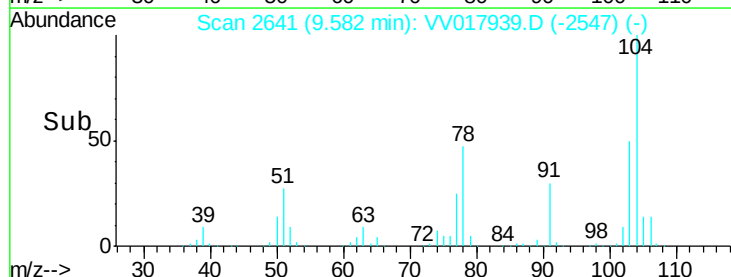
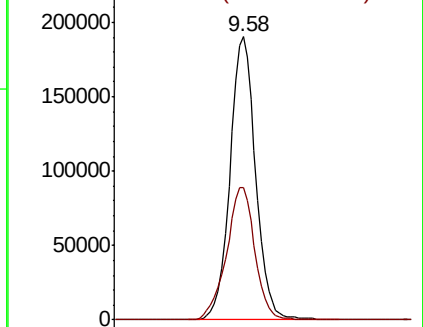
104 100

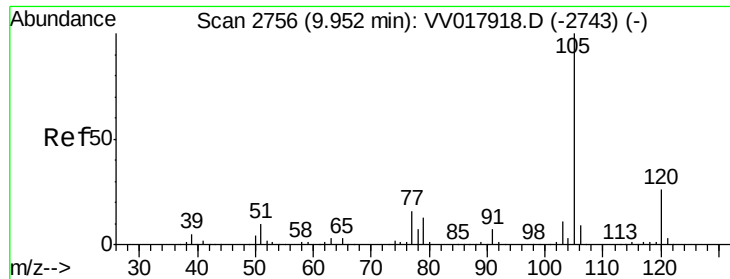
78 46.8 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.478 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

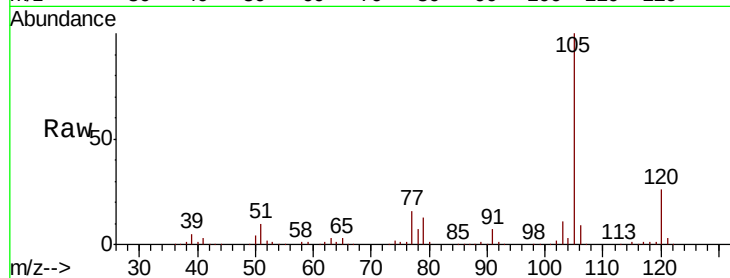
Tot Ion:105 Resp: 442129

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

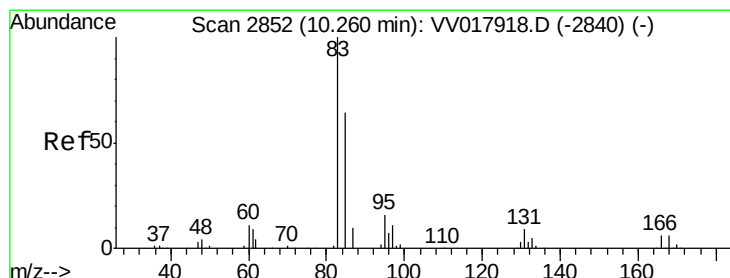
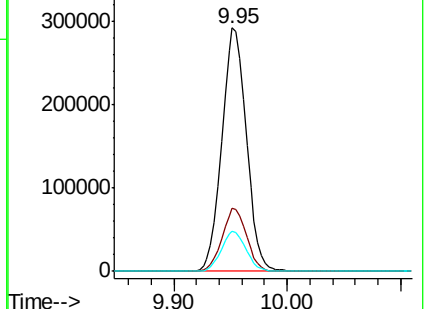
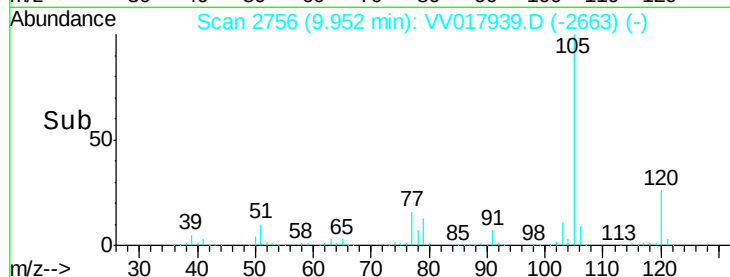
77 16.3 13.1 19.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 49.486 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

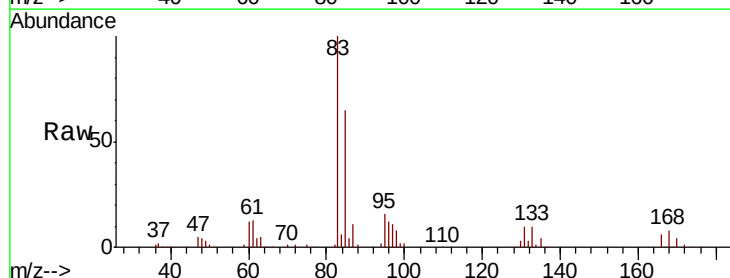
Tgt Ion: 83 Resp: 153215

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

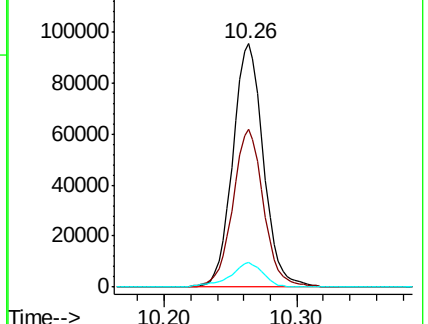
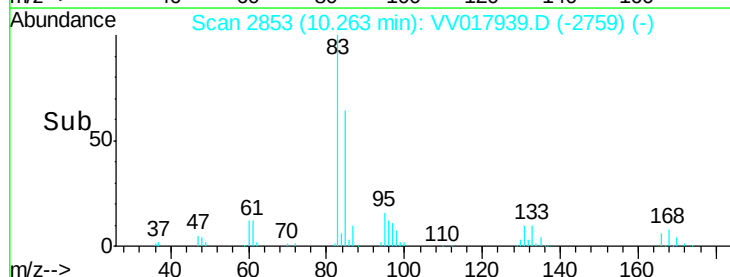
131 9.9 7.8 11.6

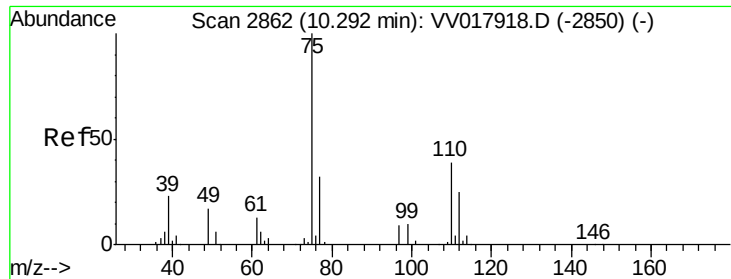


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.868 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

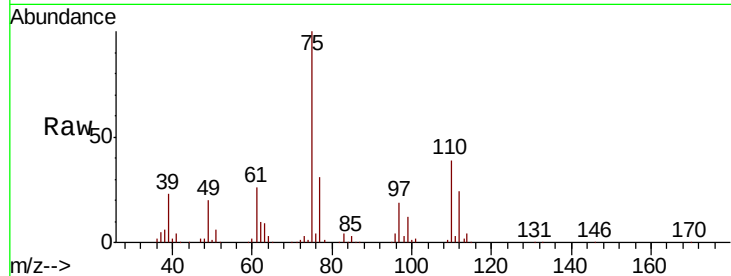
VSTD05098

Tot Ion: 75 Resp: 134876

Ion Ratio Lower Upper

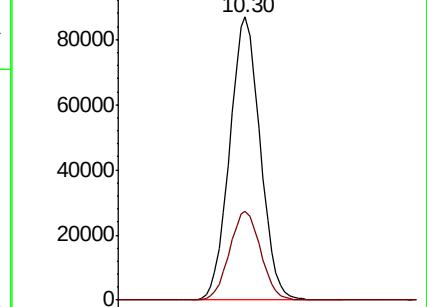
75 100

77 32.1 25.7 38.5

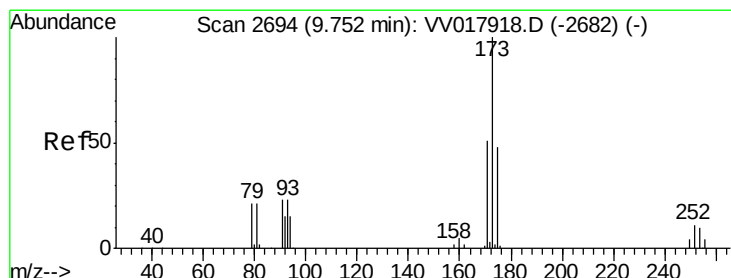
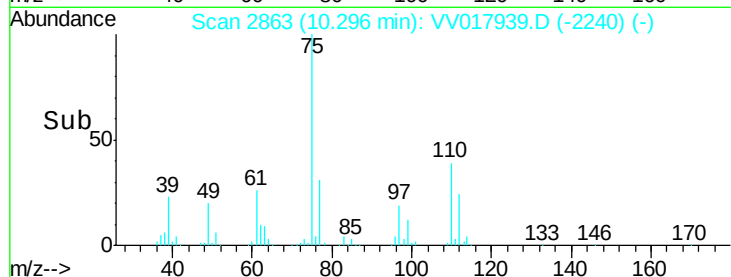


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->



#61

Bromoform

Concen: 52.453 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

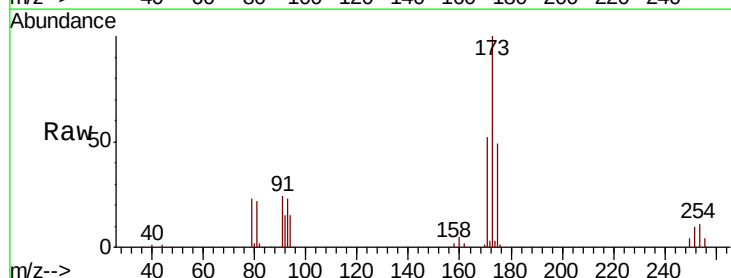
Tgt Ion: 173 Resp: 66231

Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

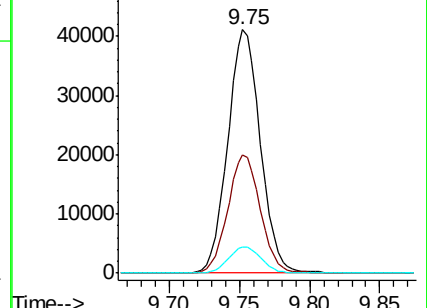
254 10.7 8.4 12.6



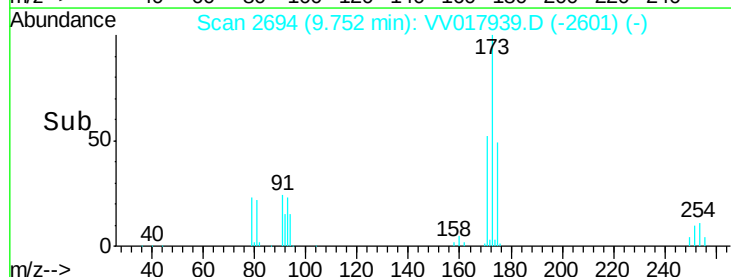
Abundance Ion 173.00 (172.70 to 173.70): V

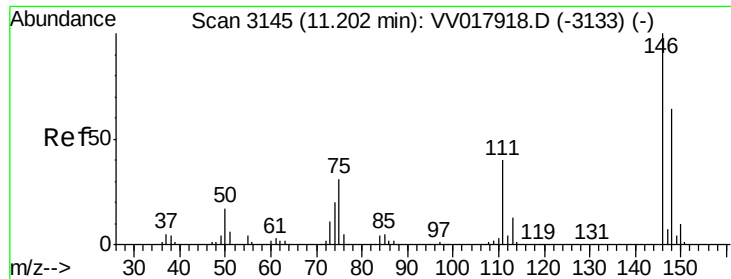
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



Time-->

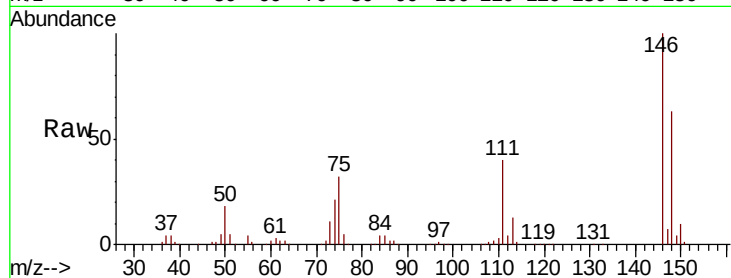




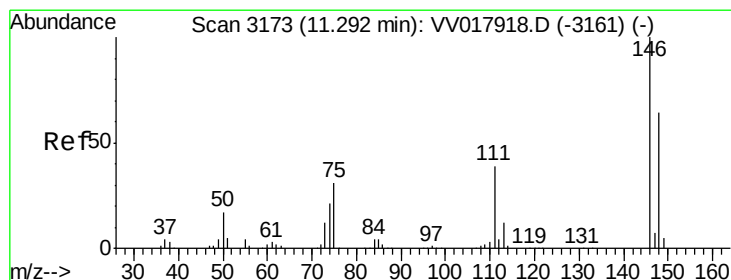
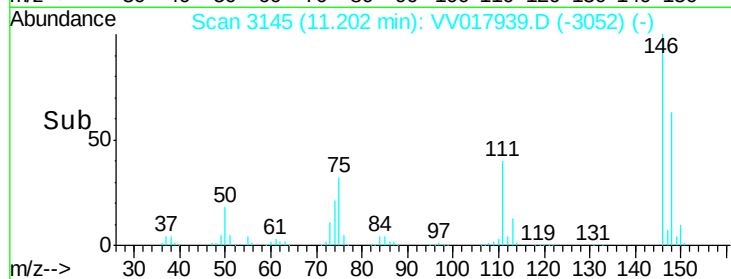
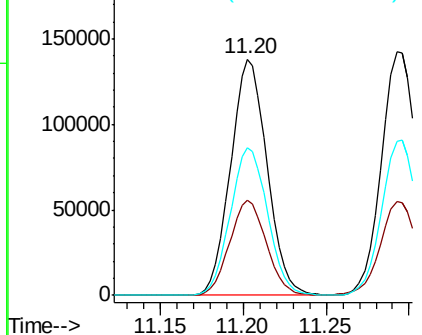
#62
 1,3-Dichlorobenzene
 Concen: 49.844 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:146 Resp: 211515
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.8 53.4
 148 62.8 44.9 83.5

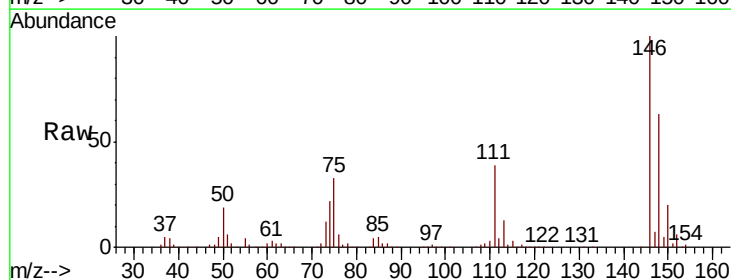


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

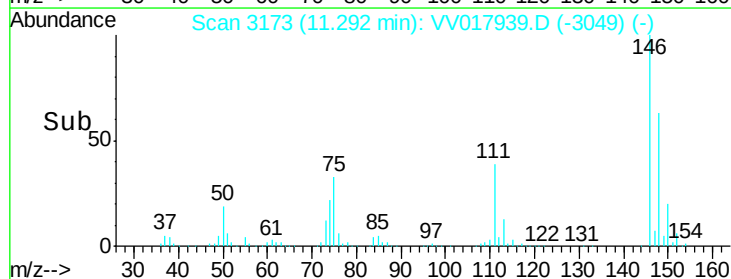
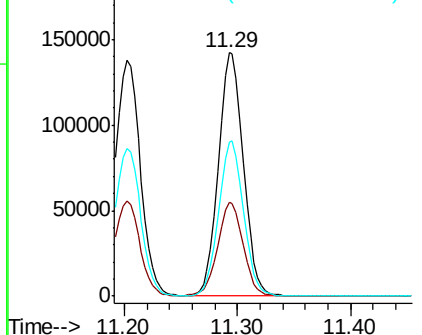


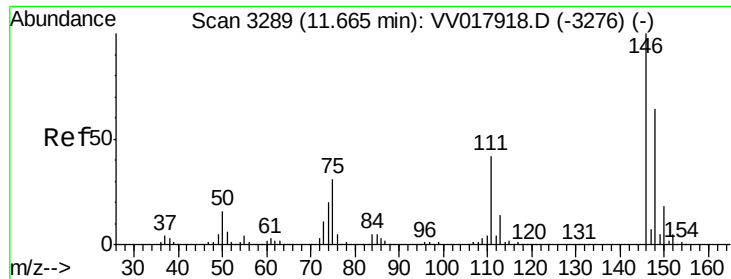
#63
 1,4-Dichlorobenzene
 Concen: 50.192 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion:146 Resp: 218804
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.0 52.0
 148 63.1 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

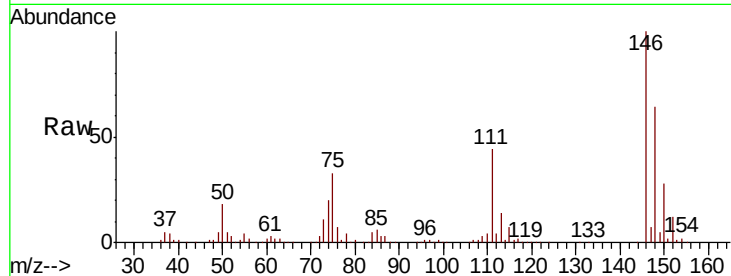




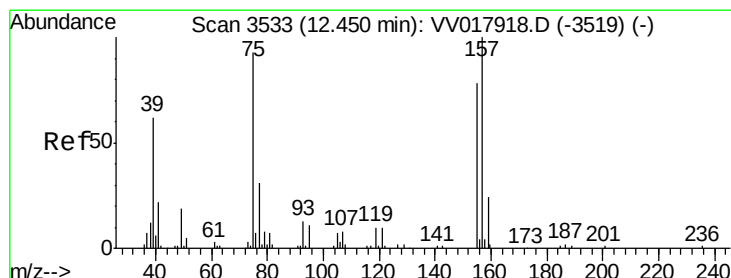
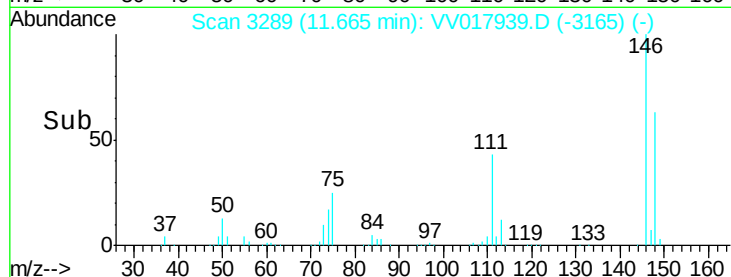
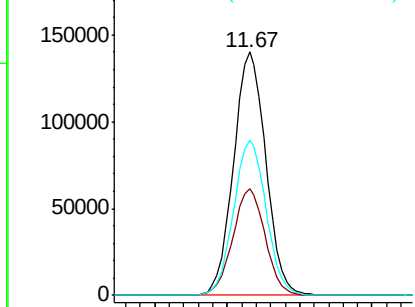
#65
 1,2-Dichlorobenzene
 Concen: 49.628 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:146 Resp: 216761
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.2 51.4
 148 63.7 50.6 76.0

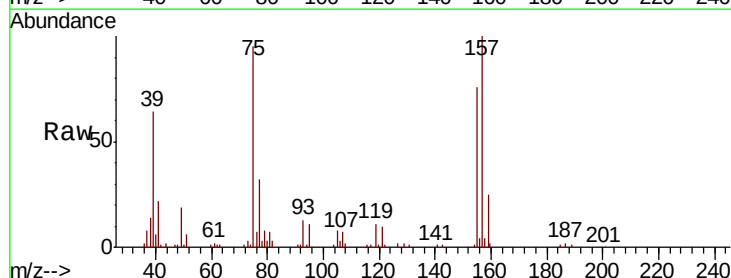


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

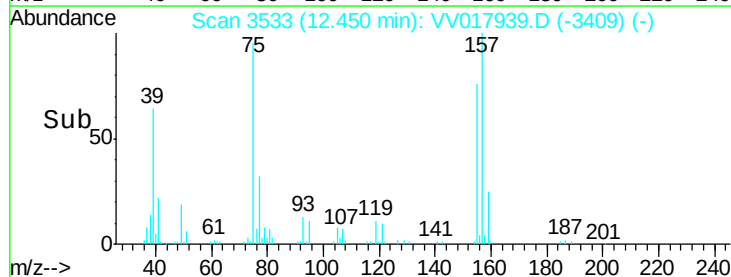
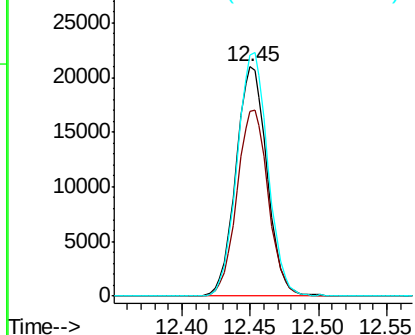


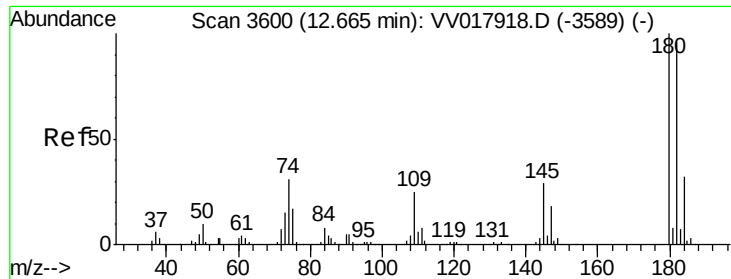
#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.526 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion: 75 Resp: 33159
 Ion Ratio Lower Upper
 75 100
 155 80.5 67.6 101.4
 157 105.3 84.3 126.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

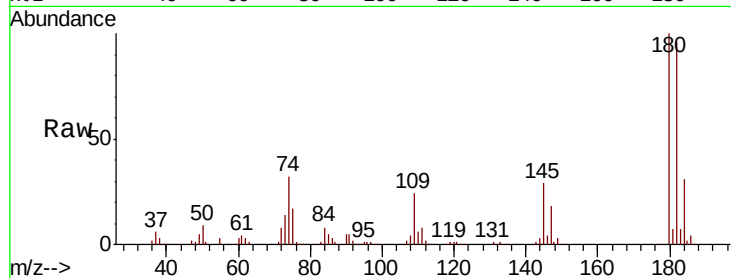




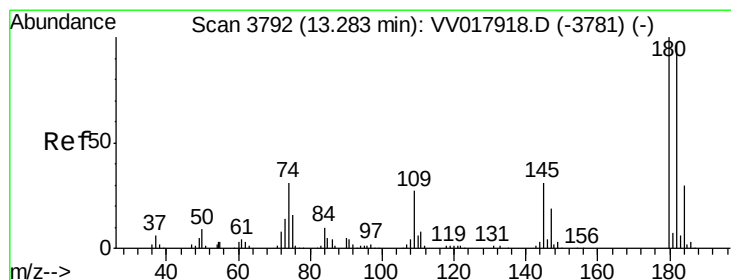
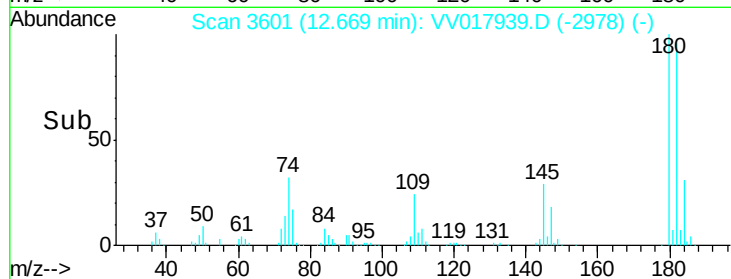
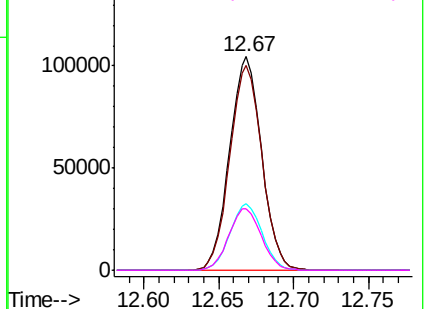
#67
 1,3,5-Trichlorobenzene
 Concen: 48.345 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:180 Resp: 155845
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.2 115.8
 184 31.3 24.6 36.8
 145 29.4 23.5 35.3

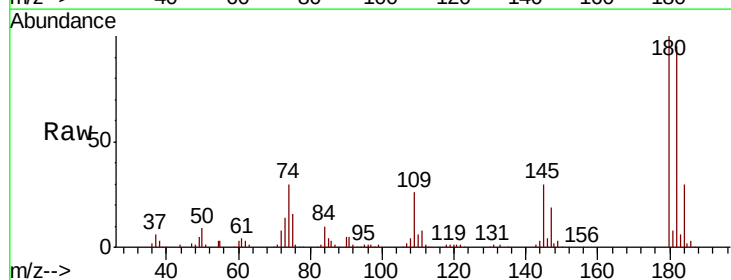


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

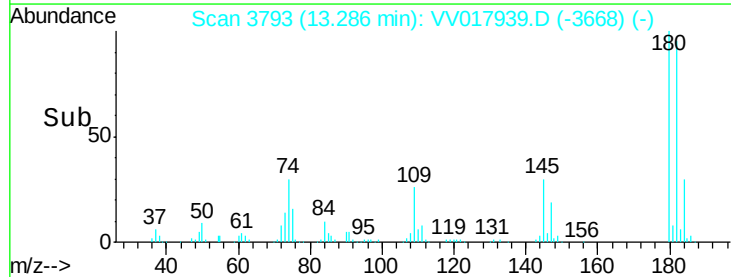
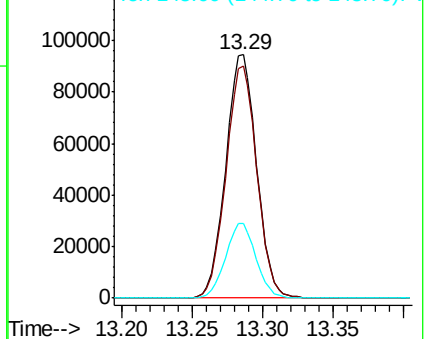


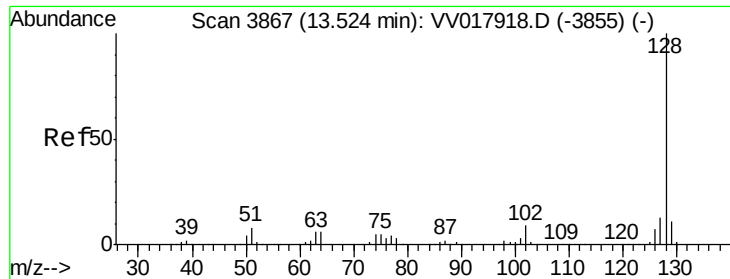
#68
 1,2,4-trichlorobenzene
 Concen: 50.982 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017939.D
 Acq: 12 Aug 2020 20:40

Tgt Ion:180 Resp: 144492
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.4 114.6
 145 30.0 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.420 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

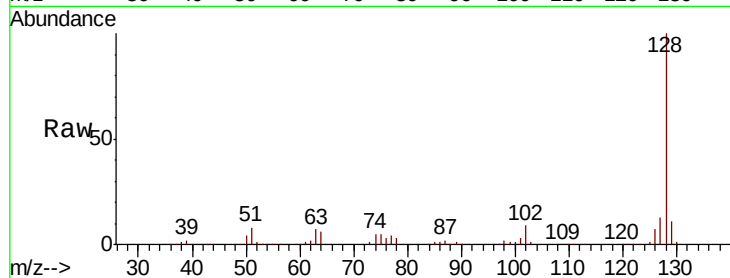
Tot Ion:128 Resp: 432923

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

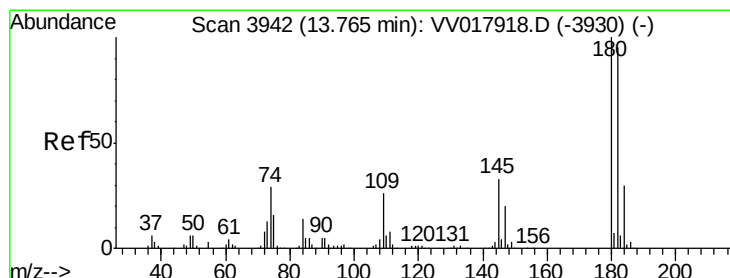
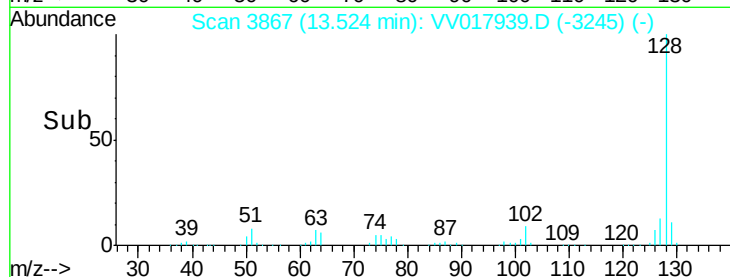
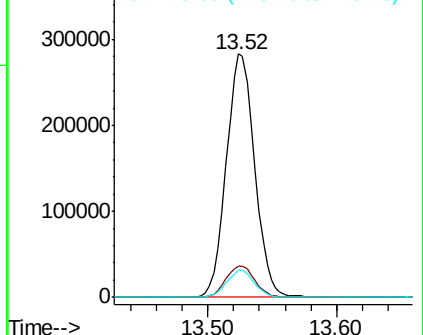
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.980 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017939.D

Acq: 12 Aug 2020 20:40

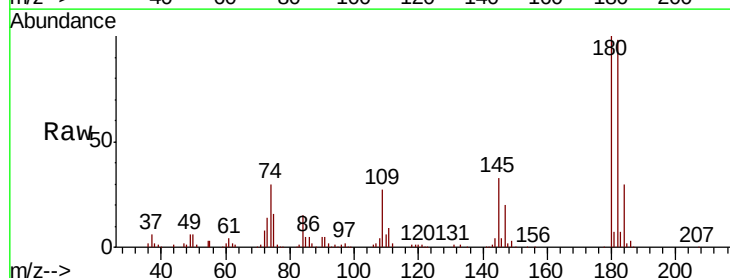
Tgt Ion:180 Resp: 152699

Ion Ratio Lower Upper

180 100

182 96.9 76.5 114.7

145 32.4 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

