

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017095.D
 Acq On : 25 Jun 2020 00:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Quant Time: Jun 25 01:24:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181700	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173453	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	93828	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39410	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	33032	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.13	63	83266	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.94	46	122980	44.25	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.50%
24) Chloroform-d	4.38	84	108200	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.06	65	56609	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.07	84	195910	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.10	67	57868	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.34	98	185683	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
45) trans-1,3-Dichloropropene-	7.64	79	24918	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	8.11	63	92164	43.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.22%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43937	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	75620	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	65940	4.546	ug/L 99
3) Chloromethane	1.25	50	56474	4.595	ug/L 99
5) Vinyl chloride	1.32	62	54674	4.586	ug/L 99
6) Bromomethane	1.53	94	30981	4.458	ug/L 100
8) Chloroethane	1.60	64	32808	4.979	ug/L 100
9) Trichlorofluoromethane	1.77	101	89766	4.649	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44556	4.630	ug/L 99
12) 1,1-Dichloroethene	2.14	96	41453	4.754	ug/L 87
13) Acetone	2.22	43	67883	48.316	ug/L 93
14) Carbon disulfide	2.31	76	122490	4.688	ug/L 98
15) Methyl Acetate	2.46	43	17401	5.066	ug/L 97
16) Methylene chloride	2.53	84	43099	4.615	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	107432	4.906	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	46217	5.001	ug/L 95
19) 1,1-Dichloroethane	3.21	63	103450	4.982	ug/L 97
21) 2-Butanone	4.03	43	125785	47.494	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	57505	4.551	ug/L 97

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 Data File : VV017095.D
 Acq On : 25 Jun 2020 00:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Quant Time: Jun 25 01:24:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

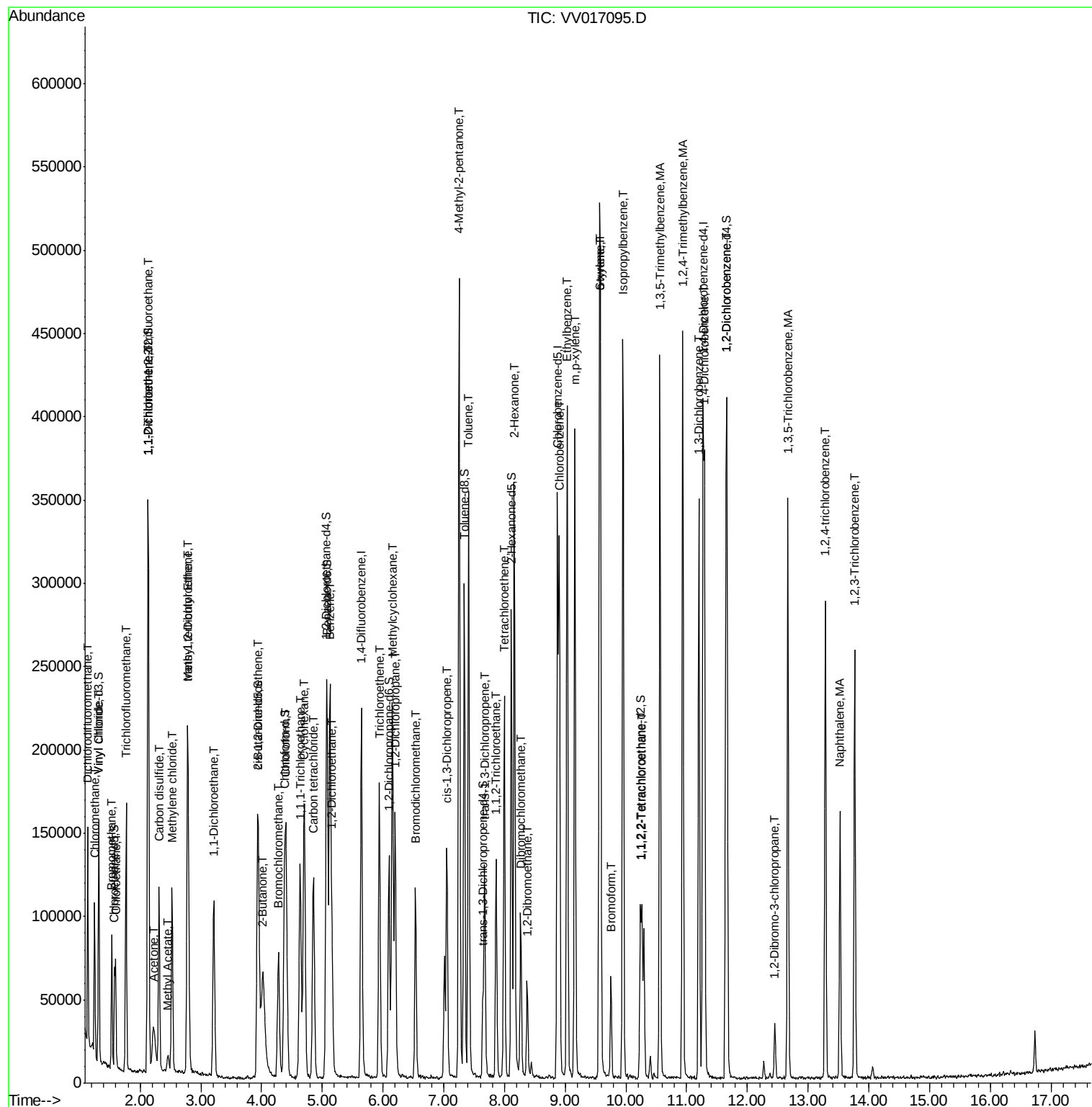
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	26684	4.969	ug/L	95
25) Chloroform	4.40	83	111456	4.915	ug/L	98
27) 1,2-Dichloroethane	5.16	62	69061	4.902	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	104093	5.009	ug/L	99
30) Cyclohexane	4.70	56	82788	4.187	ug/L	97
31) Carbon tetrachloride	4.85	117	90313	4.816	ug/L	98
33) Benzene	5.13	78	224765	4.948	ug/L	100
34) Trichloroethene	5.94	95	60594	4.556	ug/L	97
35) Methylcyclohexane	6.15	83	86612	4.189	ug/L	98
37) 1,2-Dichloropropane	6.20	63	55933	4.974	ug/L	100
38) Bromodichloromethane	6.53	83	74966	4.908	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	76835	4.599	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	307526	47.367	ug/L	100
42) Toluene	7.41	91	242432	4.591	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	223223	4.727	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	231679	4.818	ug/L	98
46) trans-1,3-Dichloropropene	7.67	75	68010	4.706	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	37987	4.763	ug/L	94
49) Tetrachloroethene	8.00	164	50768	4.742	ug/L	98
50) 2-Hexanone	8.16	43	222456	48.147	ug/L	99
51) Dibromochloromethane	8.27	129	48038	4.969	ug/L	97
52) 1,2-Dibromoethane	8.38	107	36589	4.837	ug/L	92
53) Chlorobenzene	8.90	112	157186	4.775	ug/L	97
54) Ethylbenzene	9.03	91	268728	4.767	ug/L	100
55) m,p-xylene	9.16	106	103448	4.679	ug/L	96
56) o-xylene	9.56	106	97739	4.737	ug/L	98
57) Styrene	9.58	104	170954	5.000	ug/L	98
58) Isopropylbenzene	9.95	105	269773	4.751	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	44691	5.417	ug/L	93
62) Bromoform	9.75	173	27509	5.480	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	133863	4.739	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	131202	4.570	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	119350	4.656	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7378	5.203	ug/L	99
68) 1,3,5-Trichlorobenzene	12.67	180	101525	4.473	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	82093	4.394	ug/L	99
70) Naphthalene	13.53	128	124156	4.706	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	73410	4.818	ug/L	98

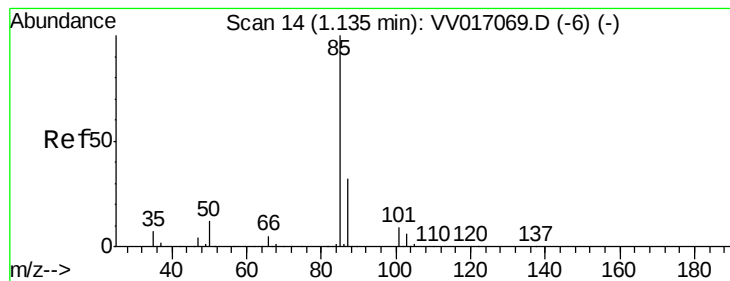
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062420\
Data File : VV017095.D
Acq On : 25 Jun 2020 00:41
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
VSTD00557

Quant Time: Jun 25 01:24:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.546 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

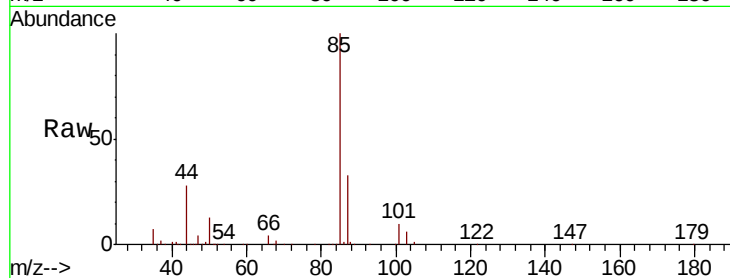
VSTD00557

Tot Ion: 85 Resp: 65940

Ion Ratio Lower Upper

85 100

87 33.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017069.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017069.D (-6) (-)

1.14

80000

60000

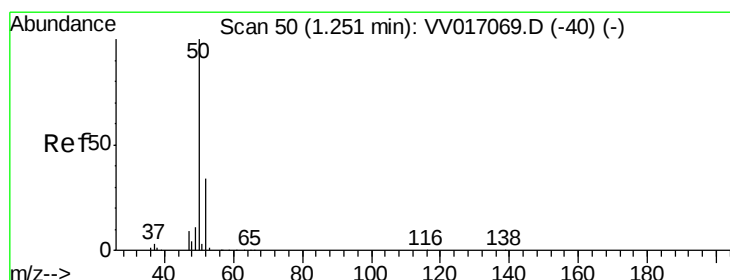
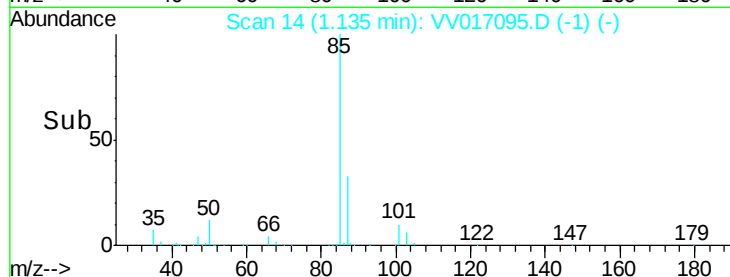
40000

20000

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Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 4.595 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017095.D

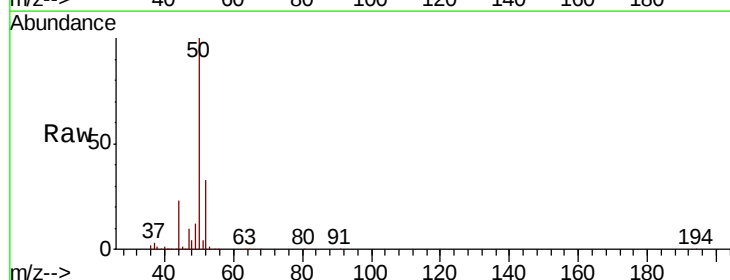
Acq: 25 Jun 2020 00:41

Tgt Ion: 50 Resp: 56474

Ion Ratio Lower Upper

50 100

52 32.6 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017069.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017069.D (-40) (-)

1.25

60000

50000

40000

30000

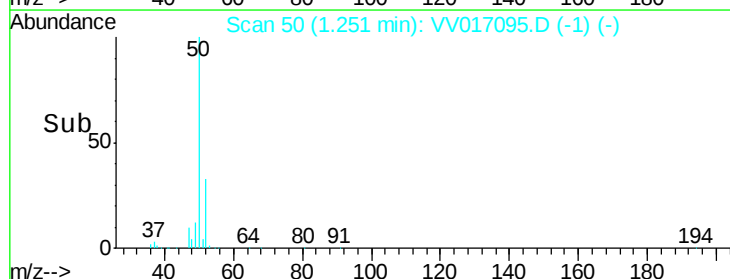
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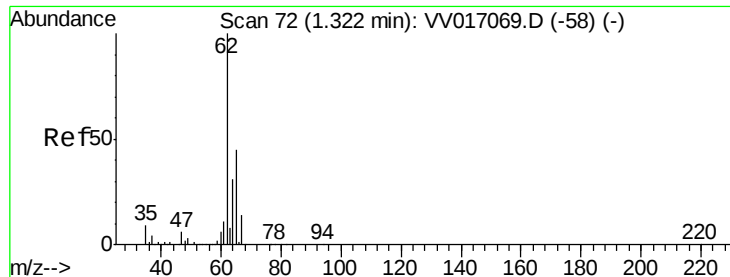
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Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.586 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

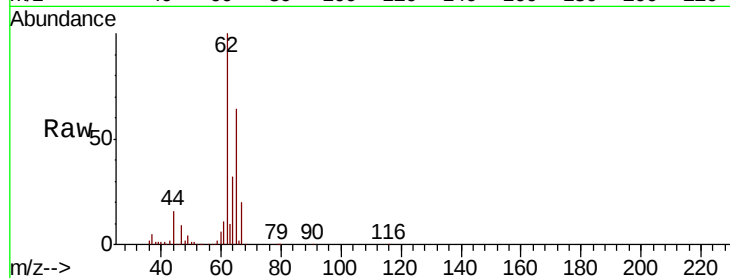
VSTD00557

Tot Ion: 62 Resp: 54674

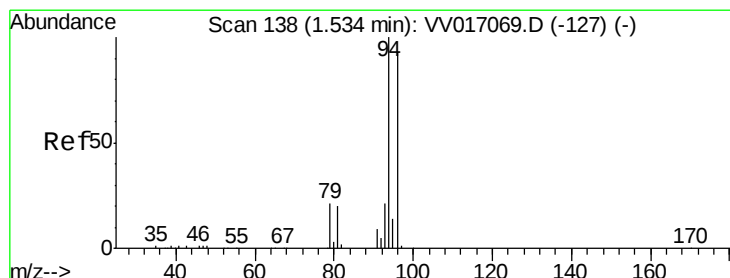
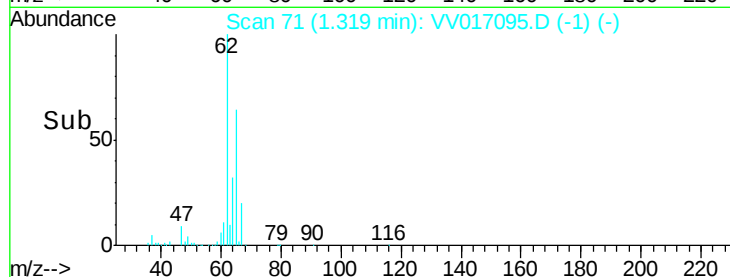
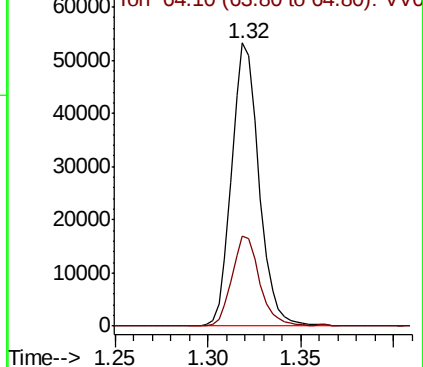
Ion Ratio Lower Upper

62 100

64 31.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017095.D (-1) (-)



#6

Bromomethane

Concen: 4.458 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017095.D

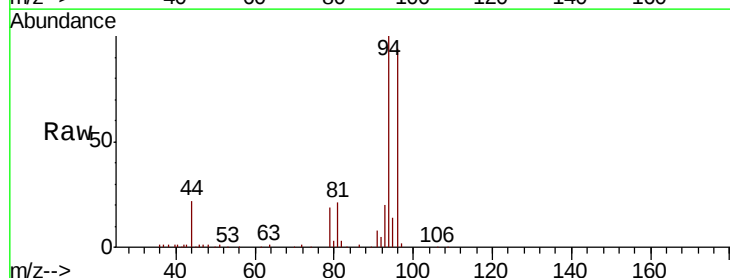
Acq: 25 Jun 2020 00:41

Tgt Ion: 94 Resp: 30981

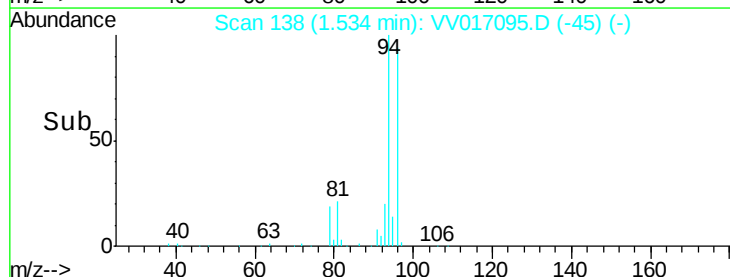
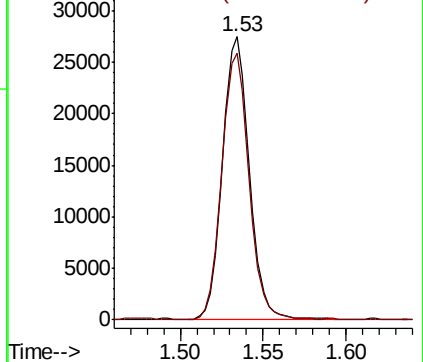
Ion Ratio Lower Upper

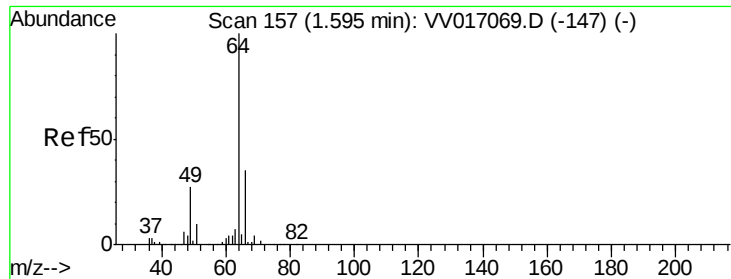
94 100

96 94.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV017095.D (-45) (-)





#8

Chloroethane

Concen: 4.979 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

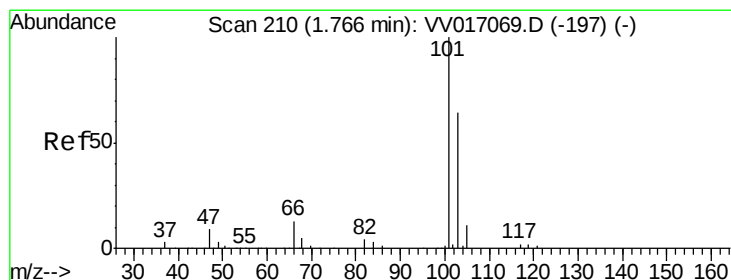
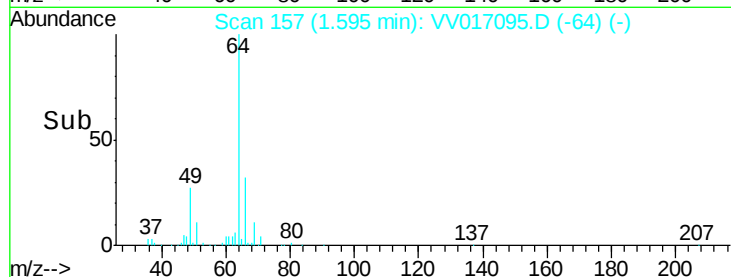
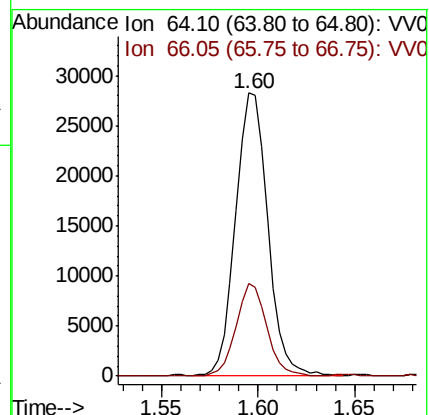
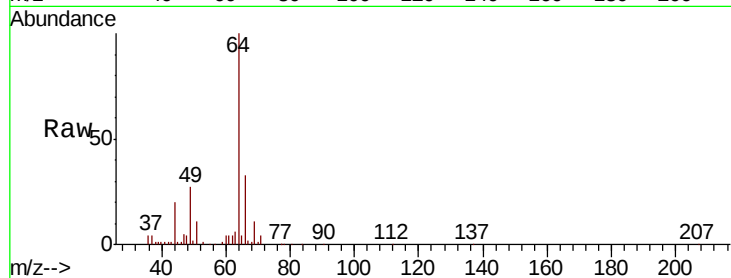
VSTD00557

Tot Ion: 64 Resp: 32808

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.649 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV017095.D

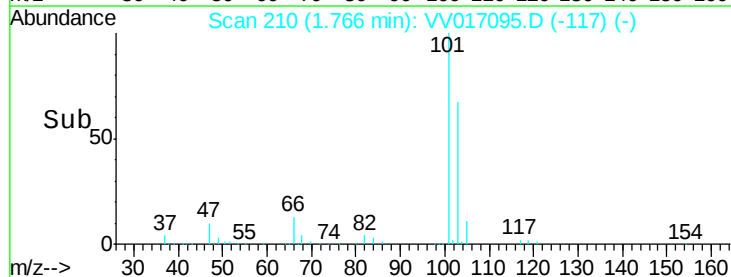
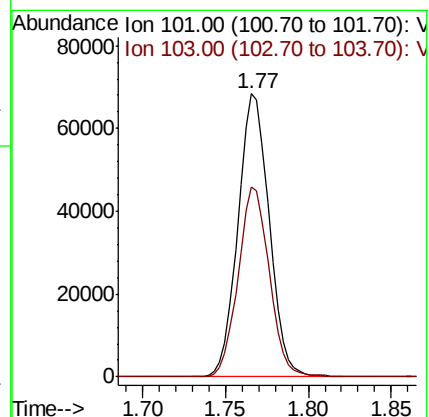
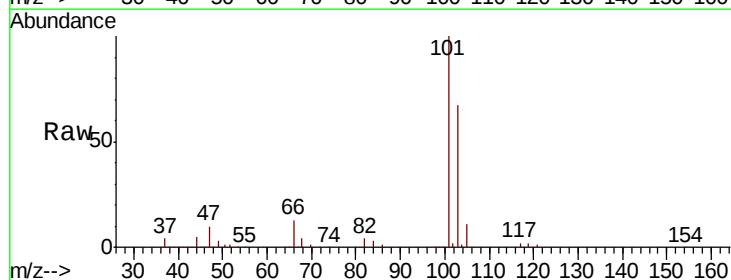
Acq: 25 Jun 2020 00:41

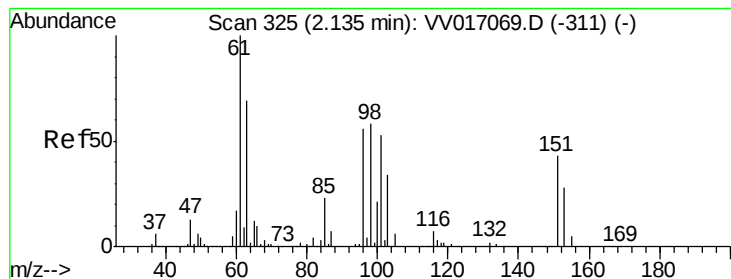
Tgt Ion: 101 Resp: 89766

Ion Ratio Lower Upper

101 100

103 66.7 50.9 76.3





#10

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

Concen: 4.630 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

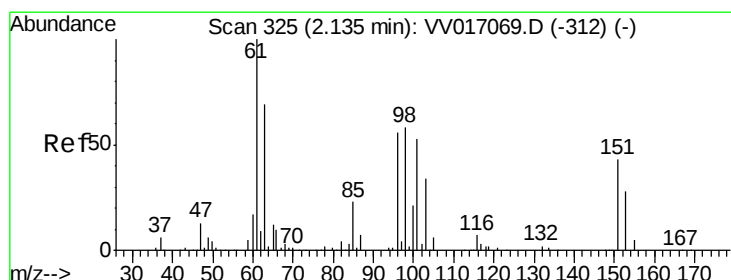
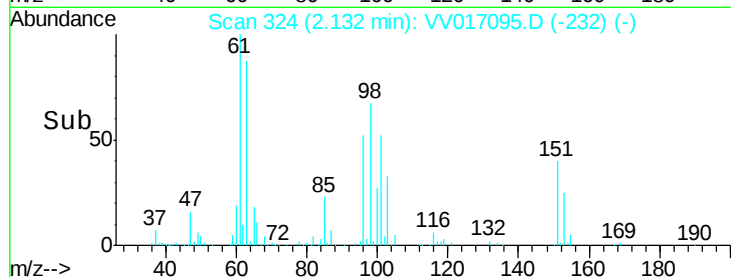
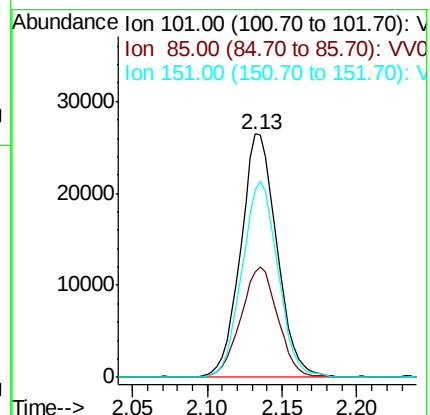
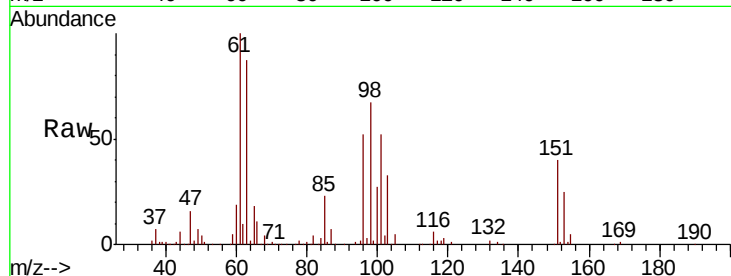
Tot Ion:101 Resp: 44556

Ion Ratio Lower Upper

101 100

85 46.5 35.4 53.2

151 79.9 63.9 95.9



#12

1,1-Dichloroethene

Concen: 4.754 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

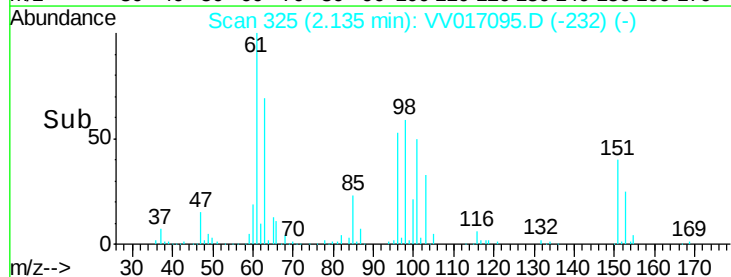
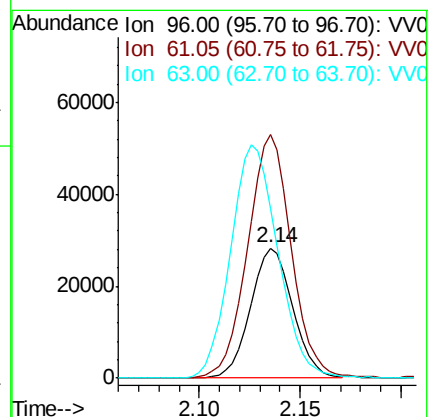
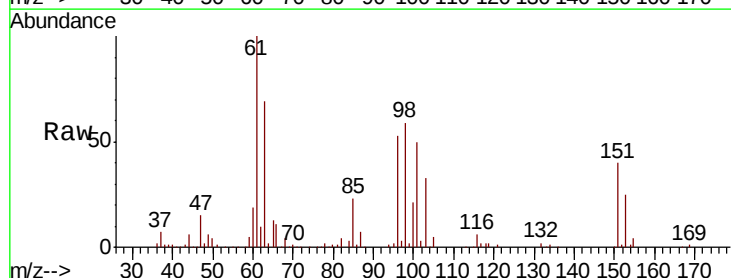
Tgt Ion: 96 Resp: 41453

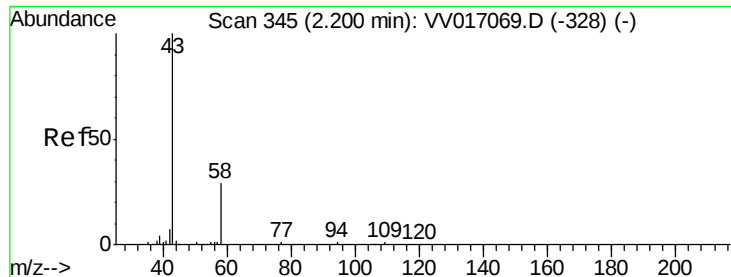
Ion Ratio Lower Upper

96 100

61 187.3 125.0 232.2

63 130.1 109.8 203.8





#13

Acetone

Concen: 48.316 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.02 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

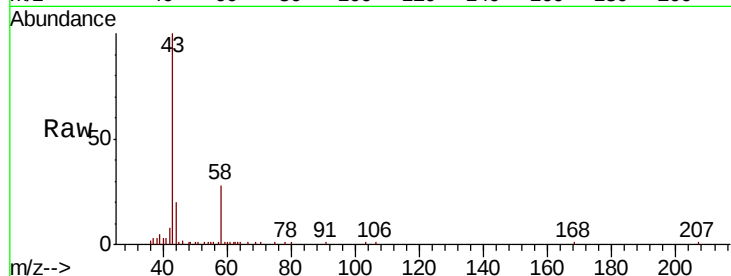
VSTD00557

Tot Ion: 43 Resp: 67883

Ion Ratio Lower Upper

43 100

58 25.6 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017069.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VV017069.D (-328) (-)

2.22

20000

15000

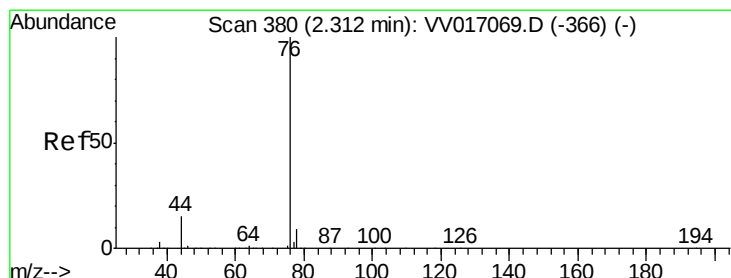
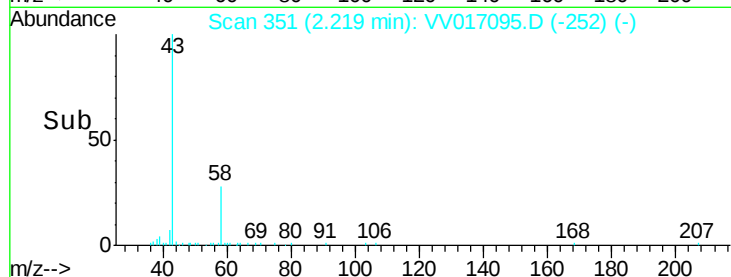
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Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.688 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV017095.D

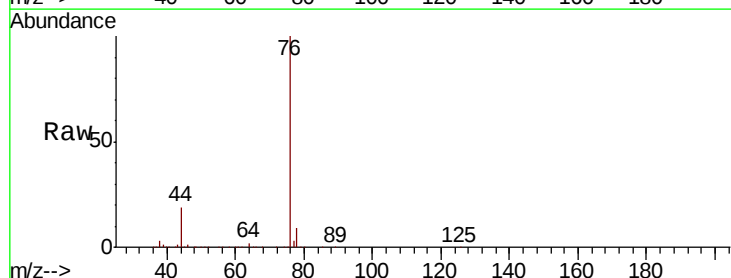
Acq: 25 Jun 2020 00:41

Tgt Ion: 76 Resp: 122490

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017069.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017069.D (-366) (-)

2.31

80000

60000

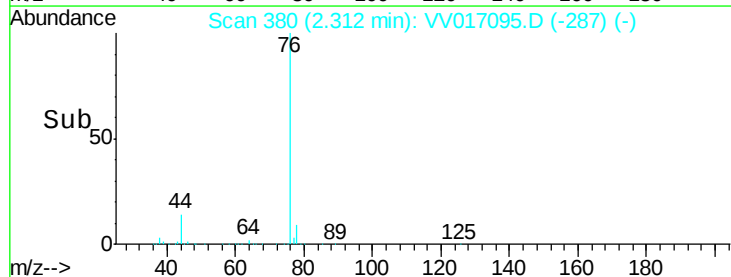
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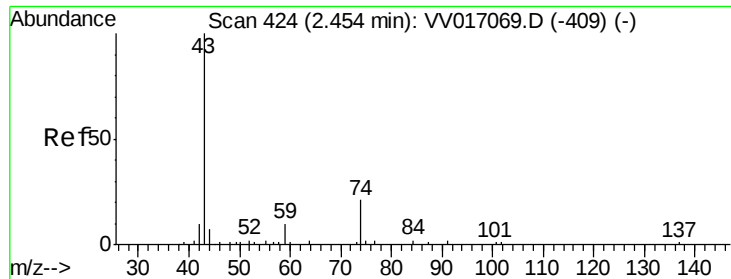
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Time-->

2.25 2.30 2.35

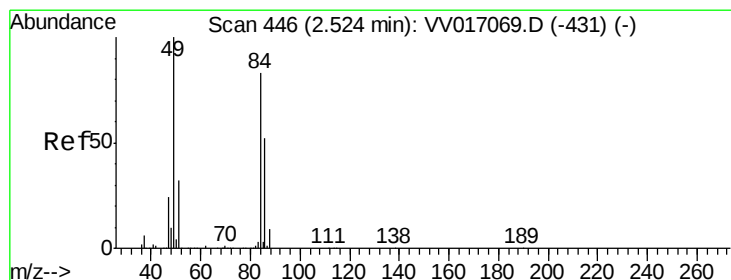
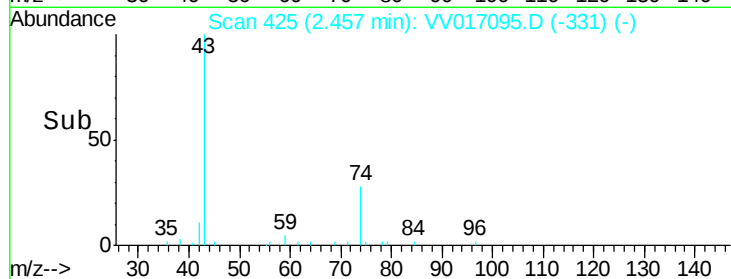
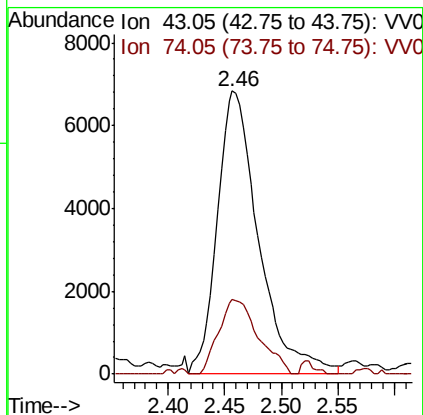
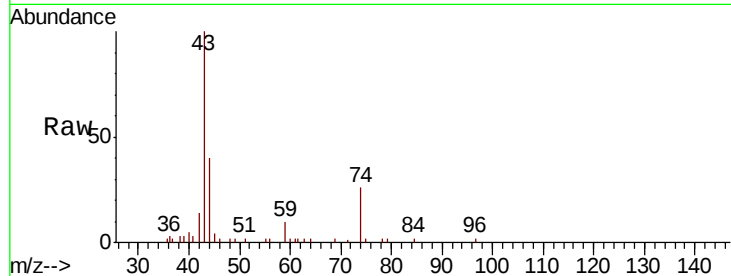




#15
Methvl Acetate
Concen: 5.066 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

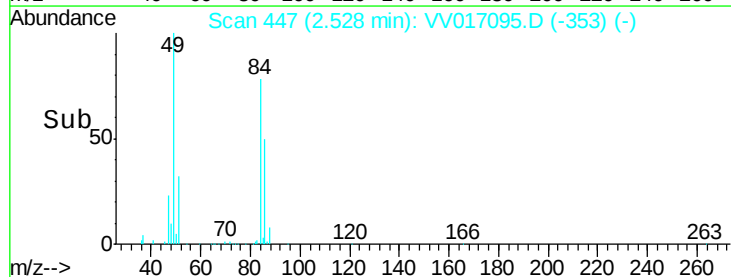
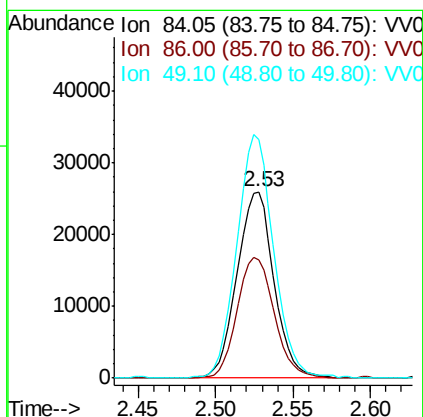
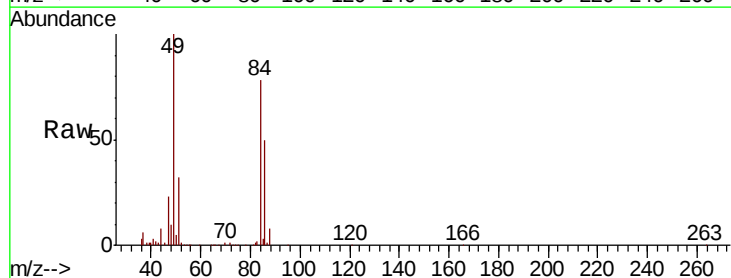
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

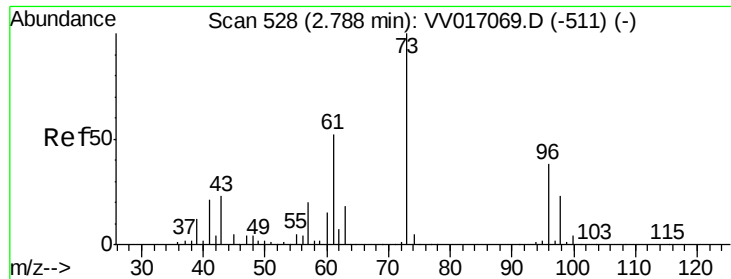
Tot Ion: 43 Resp: 17401
Ion Ratio Lower Upper
43 100
74 25.2 19.1 28.7



#16
Methylene chloride
Concen: 4.615 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion: 84 Resp: 43099
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.0
49 128.3 89.6 166.4

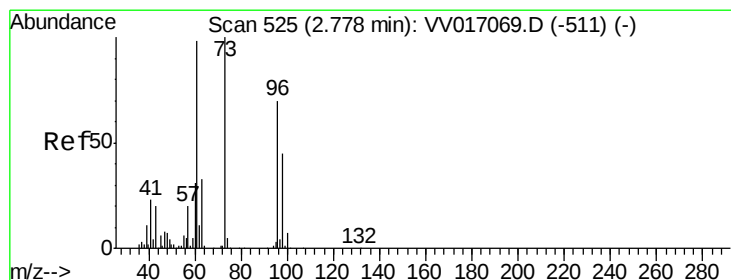
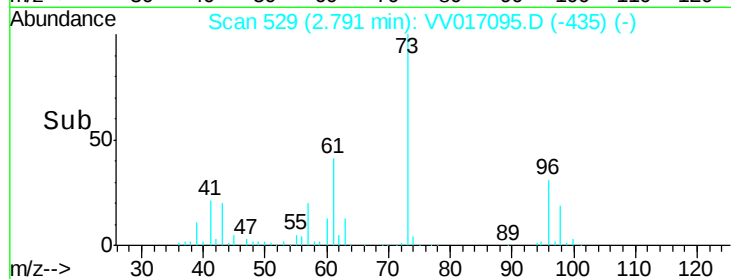
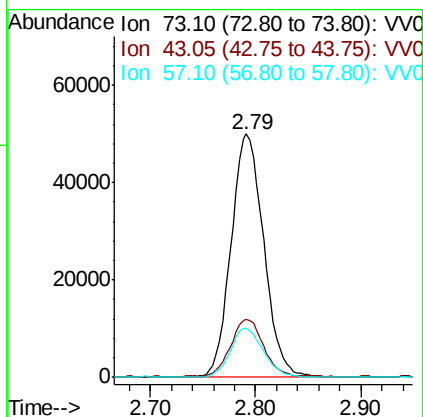
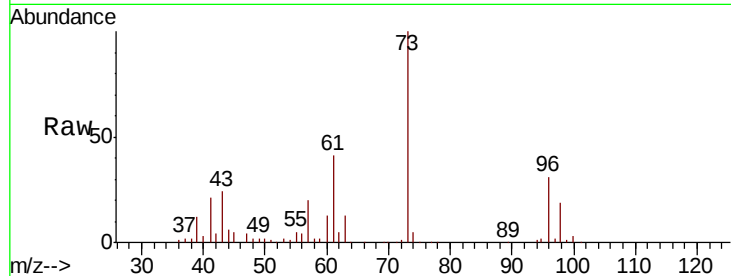




#17
Methvl tert-butvl Ether
Concen: 4.906 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

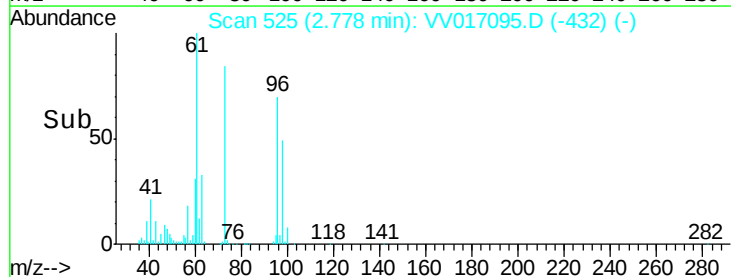
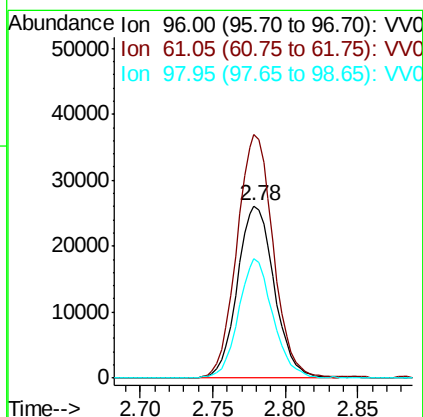
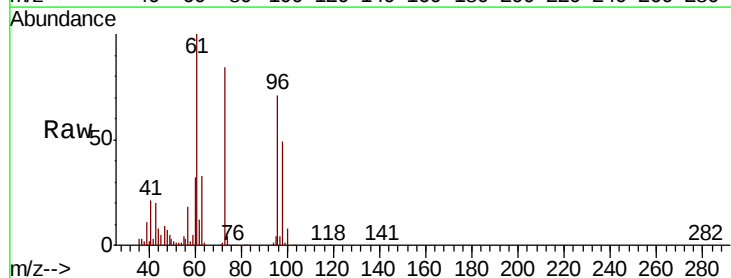
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

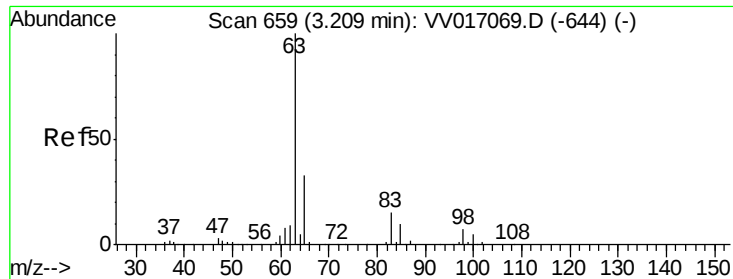
Tot Ion: 73 Resp: 107432
Ion Ratio Lower Upper
73 100
43 23.7 18.6 28.0
57 20.5 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.001 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion: 96 Resp: 46217
Ion Ratio Lower Upper
96 100
61 141.4 102.3 189.9
98 69.3 44.7 82.9

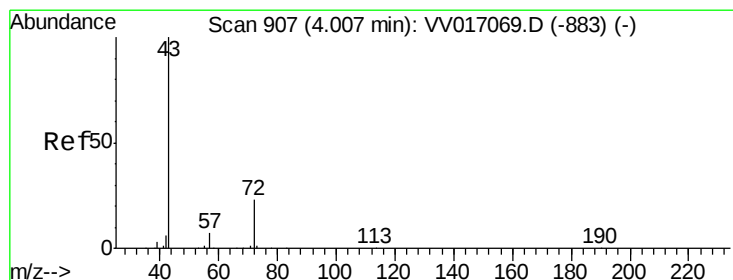
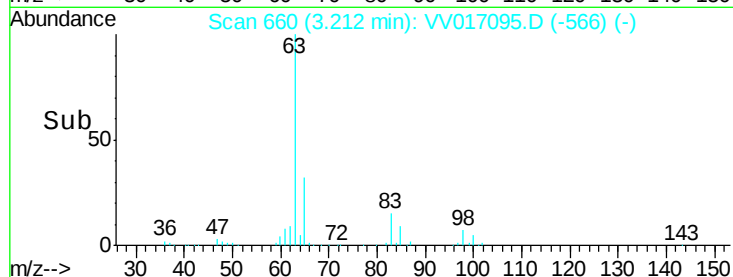
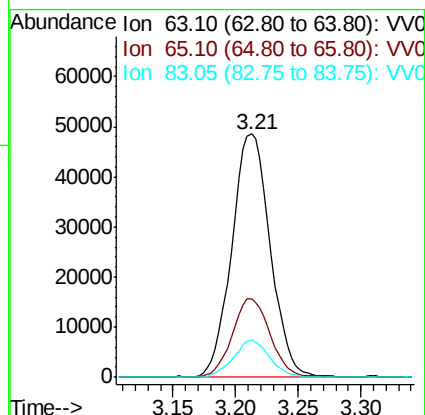
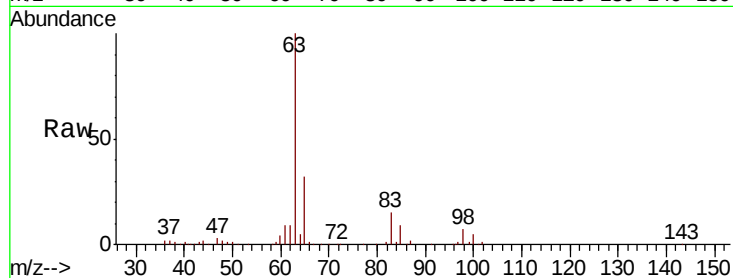




#19
 1,1-Dichloroethane
 Concen: 4.982 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

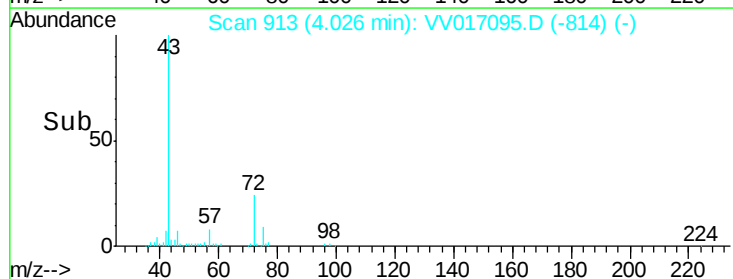
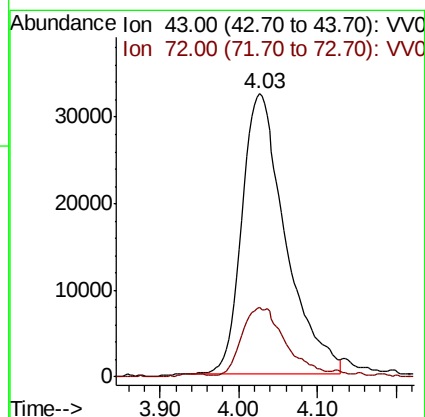
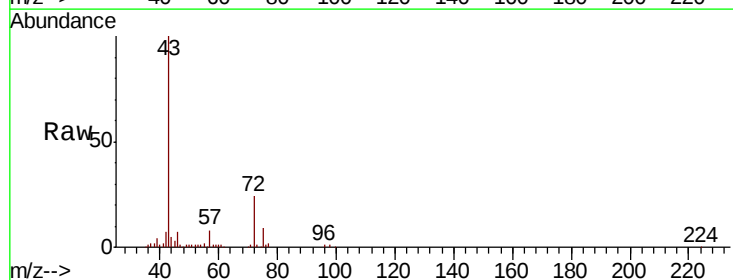
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

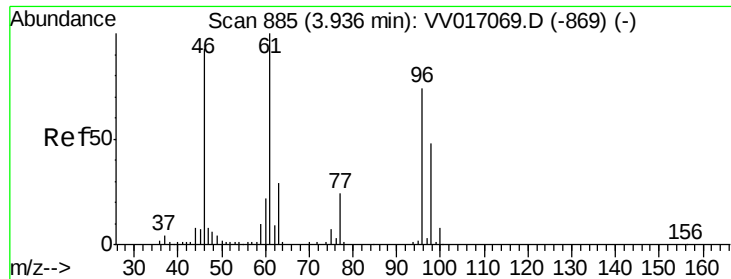
Tot Ion: 63 Resp: 103450
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.4
 83 15.3 9.7 17.9



#21
 2-Butanone
 Concen: 47.494 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion: 43 Resp: 125785
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.4 37.4



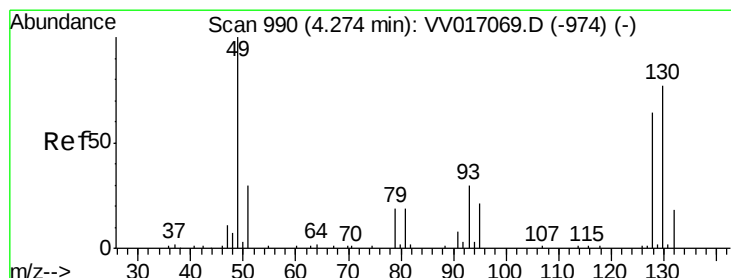
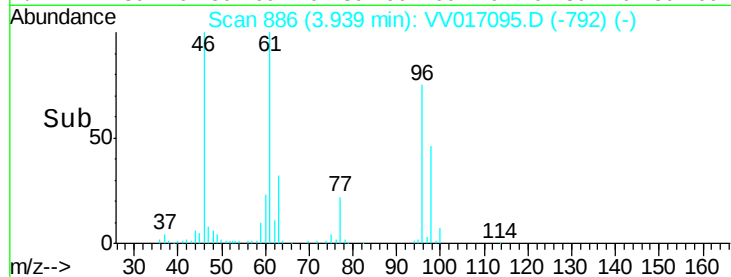
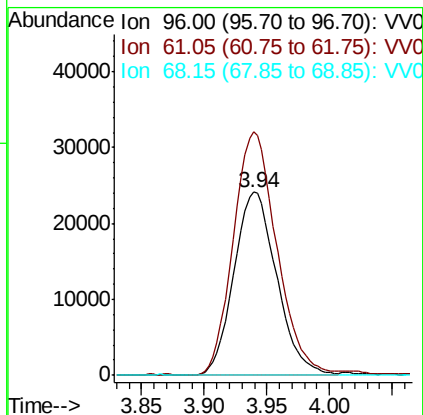
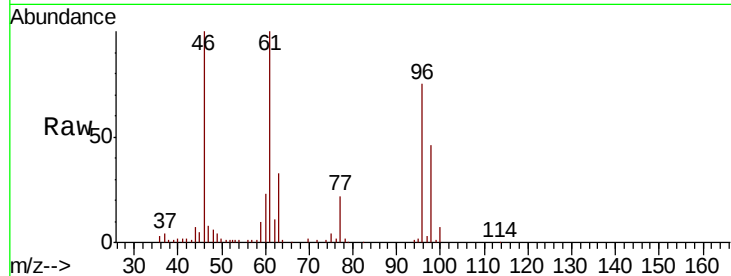


#22

cis-1,2-Dichloroethene
 Concen: 4.551 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

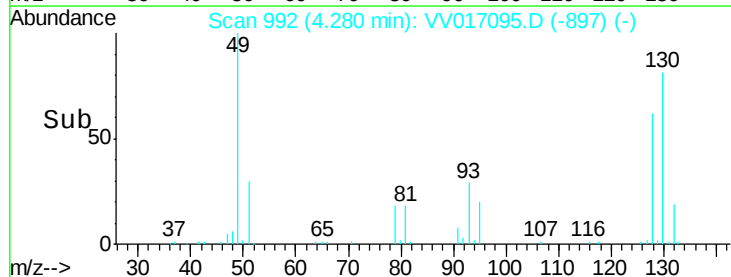
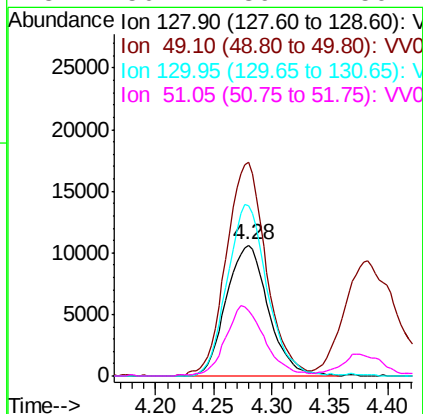
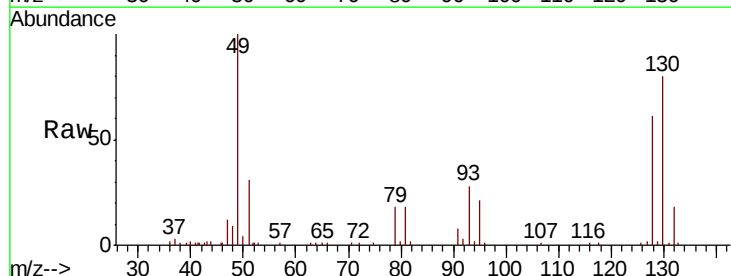
Tot Ion: 96 Resp: 57505
 Ion Ratio Lower Upper
 96 100
 61 133.1 91.0 169.0
 68 0.0 0.0 0.0

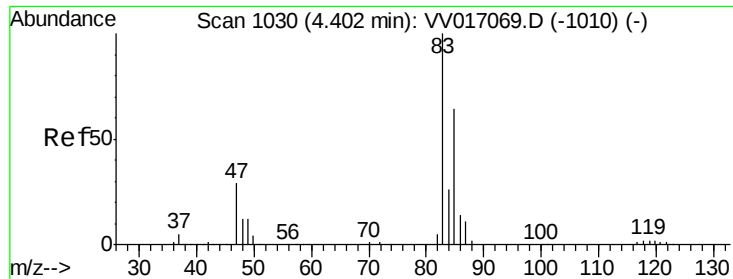


#23

Bromochloromethane
 Concen: 4.969 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion: 128 Resp: 26684
 Ion Ratio Lower Upper
 128 100
 49 163.3 110.8 205.8
 130 130.5 86.0 159.8
 51 50.2 39.4 59.2

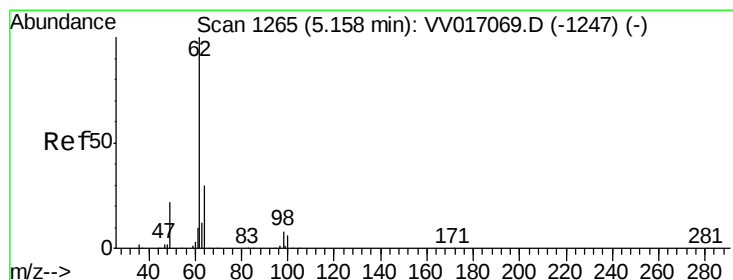
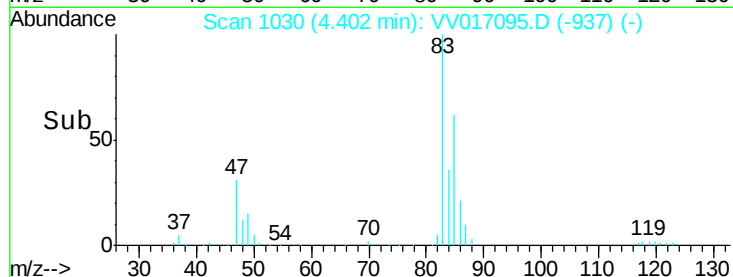
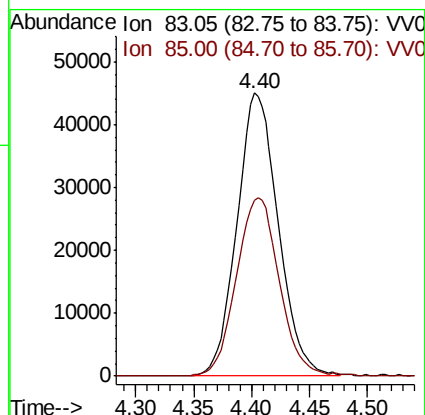
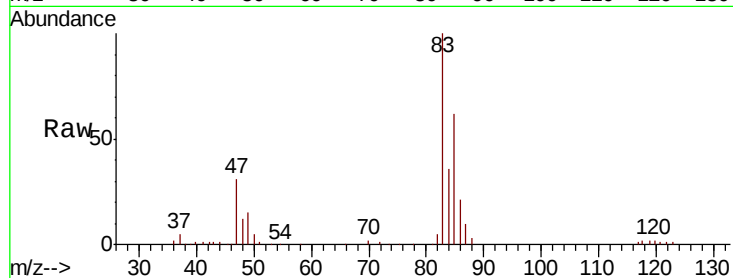




#25
Chloroform
Concen: 4.915 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

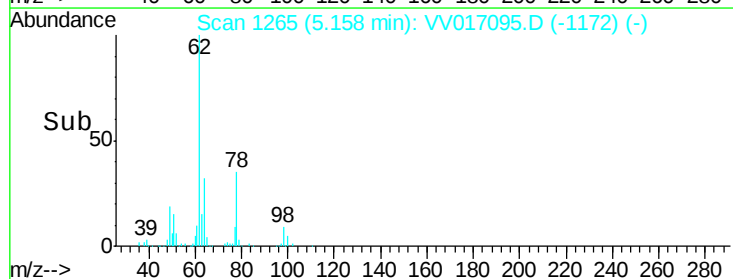
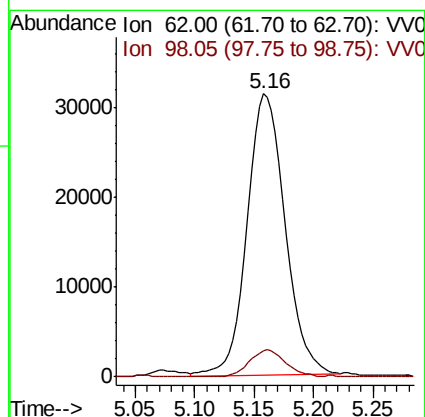
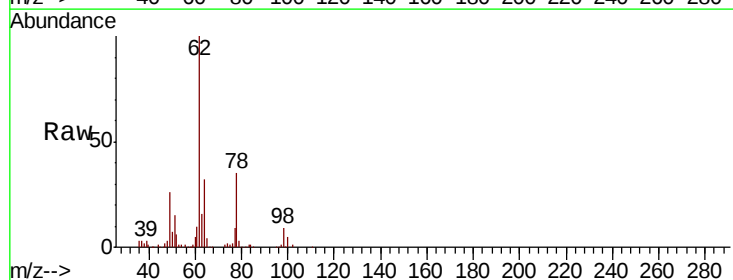
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

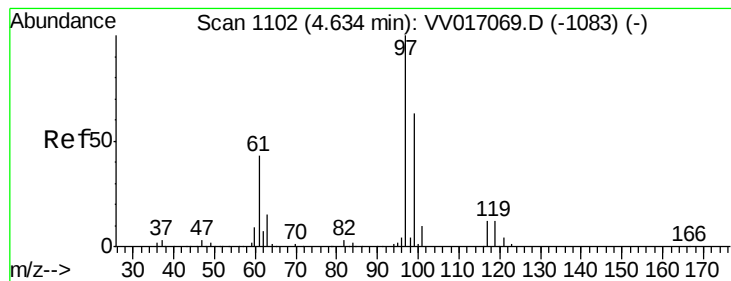
Tot Ion: 83 Resp: 111456
Ion Ratio Lower Upper
83 100
85 61.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.902 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion: 62 Resp: 69061
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.009 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

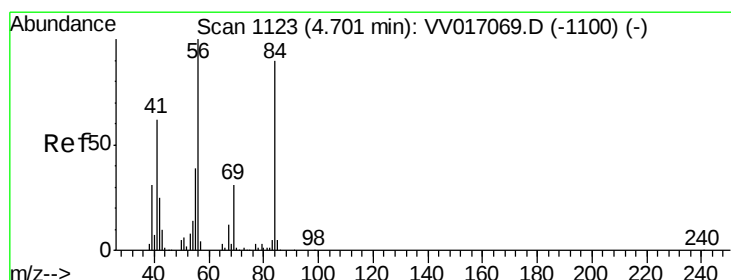
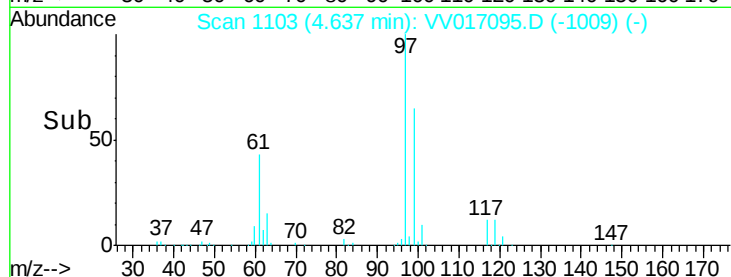
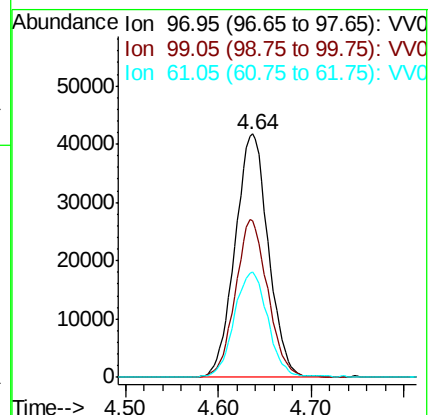
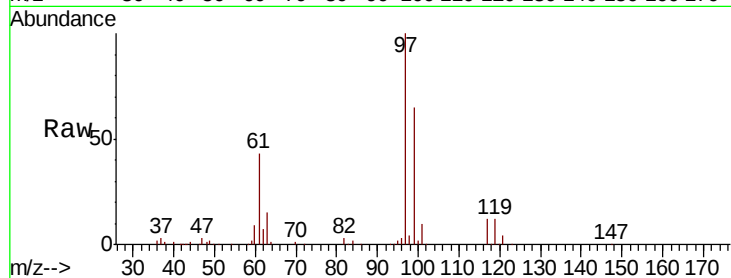
Tot Ion: 97 Resp: 104093

Ion Ratio Lower Upper

97 100

99 63.0 50.3 75.5

61 43.5 36.0 54.0



#30

Cyclohexane

Concen: 4.187 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

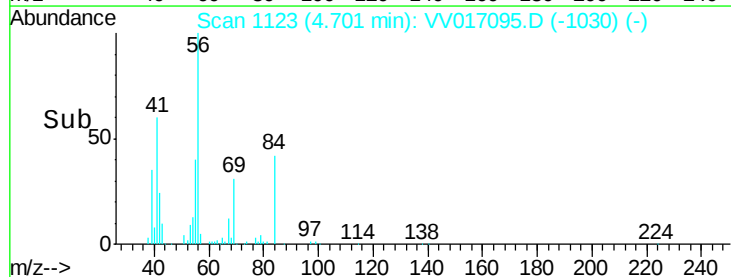
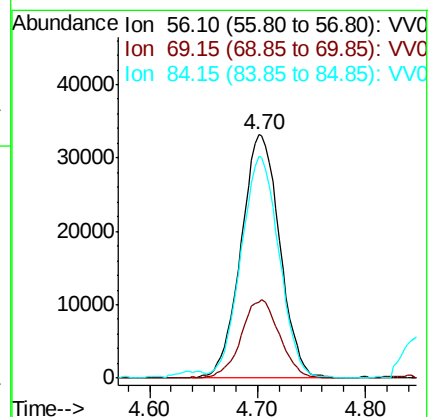
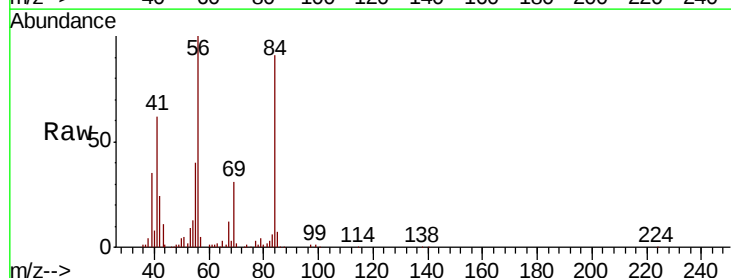
Tgt Ion: 56 Resp: 82788

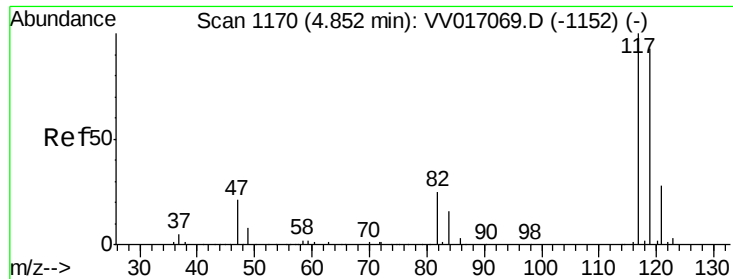
Ion Ratio Lower Upper

56 100

69 31.8 24.4 36.6

84 90.1 69.9 104.9





#31

Carbon tetrachloride

Concen: 4.816 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

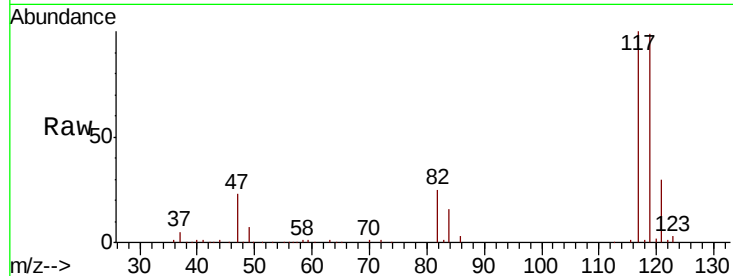
VSTD00557

Tot Ion:117 Resp: 90313

Ion Ratio Lower Upper

117 100

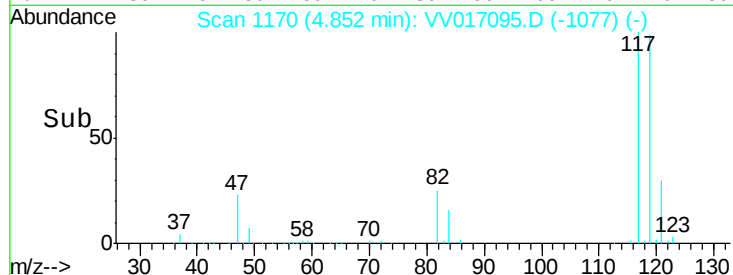
119 95.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

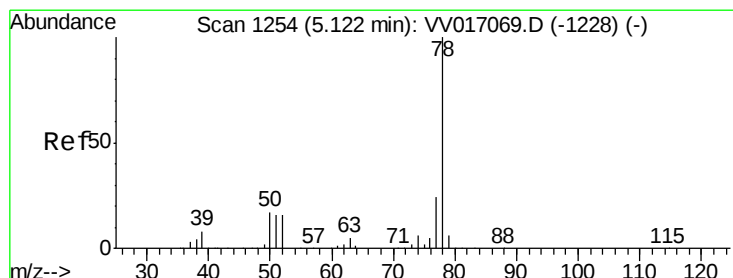
Ion 118.90 (118.60 to 119.60): V

4.85



Time-->

4.80 4.90



#33

Benzene

Concen: 4.948 ug/L

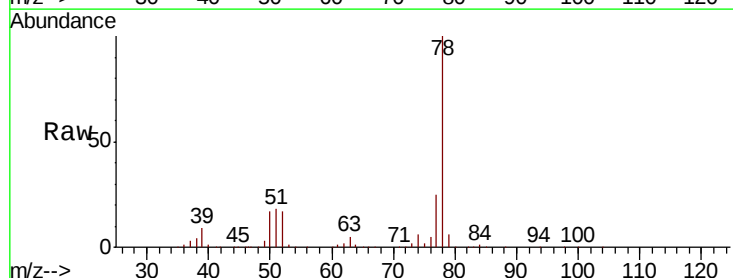
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

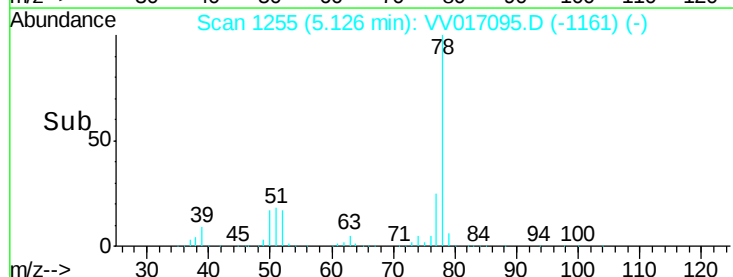
Tgt Ion: 78 Resp: 224765



Abundance Ion 78.10 (77.80 to 78.80): VV0

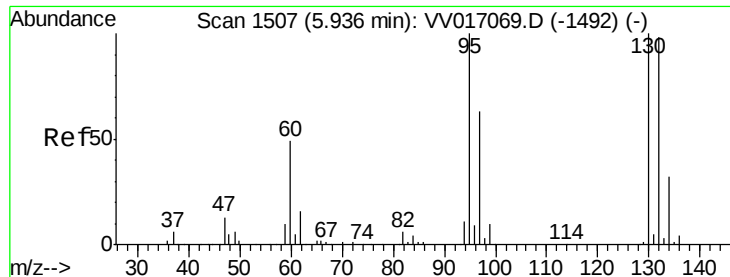
120000

5.13



Time-->

5.00 5.10 5.20



#34

Trichloroethene

Concen: 4.556 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

Tot Ion: 95 Resp: 60594

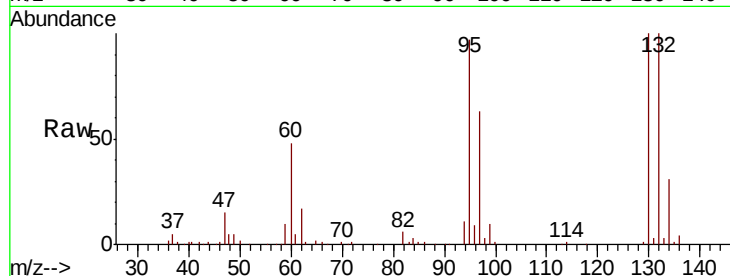
Ion Ratio Lower Upper

95 100

97 64.5 45.3 84.1

132 102.6 68.8 127.8

130 102.4 70.2 130.4

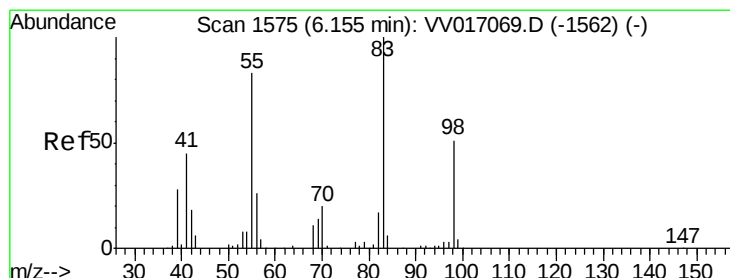
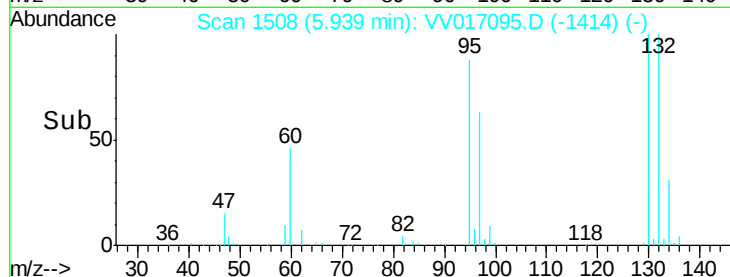
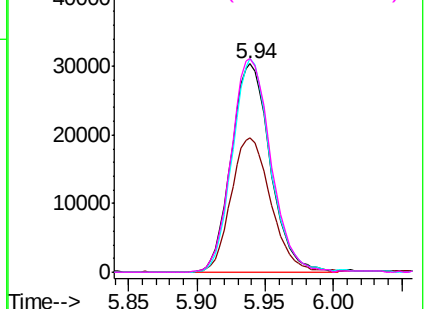


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.189 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

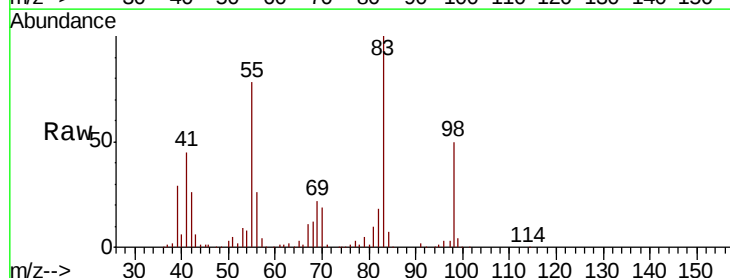
Tgt Ion: 83 Resp: 86612

Ion Ratio Lower Upper

83 100

55 80.8 63.6 95.4

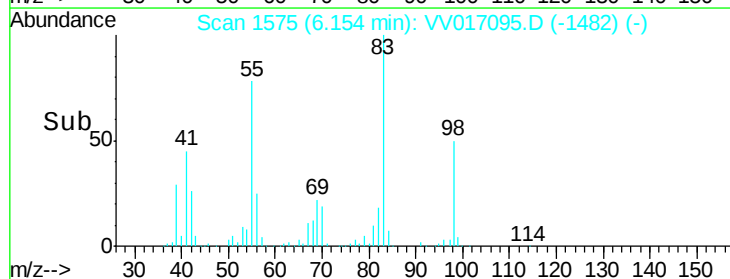
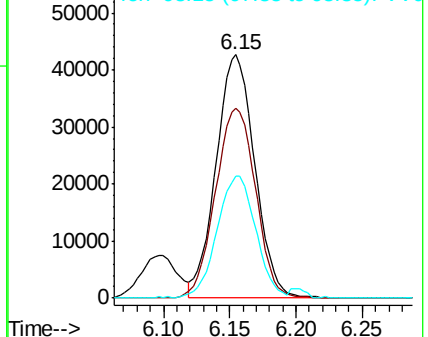
98 50.0 38.8 58.2

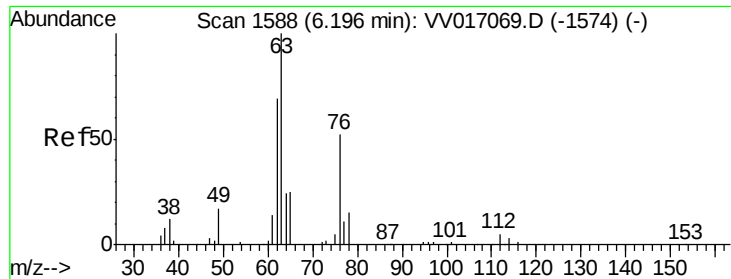


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

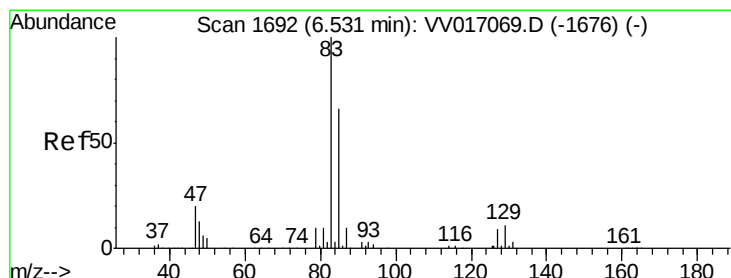
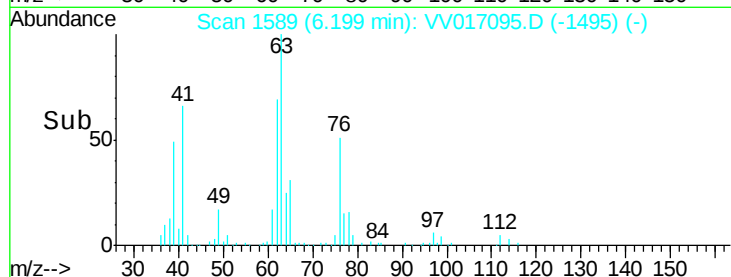
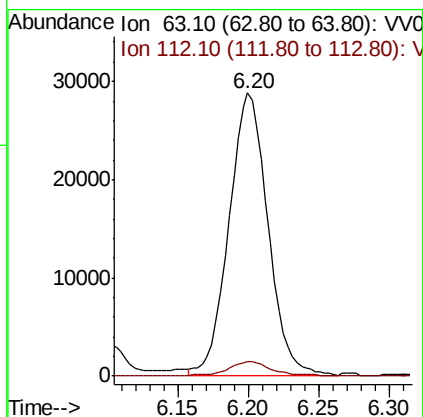
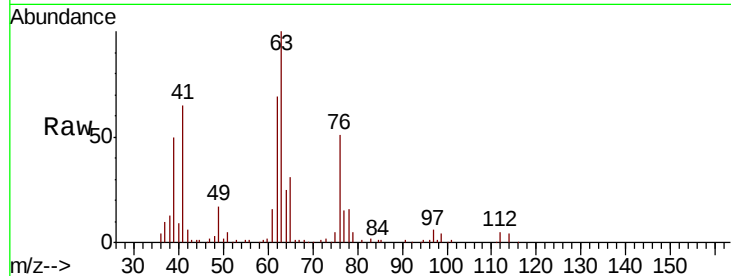




#37
 1,2-Dichloropropane
 Concen: 4.974 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

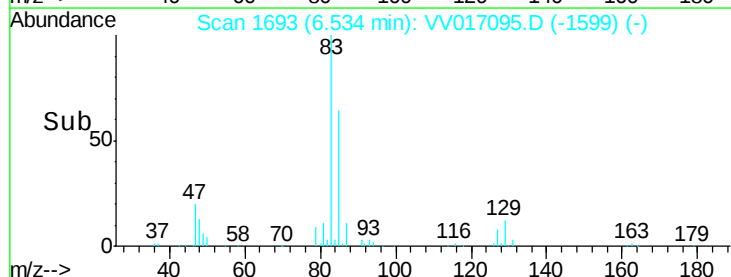
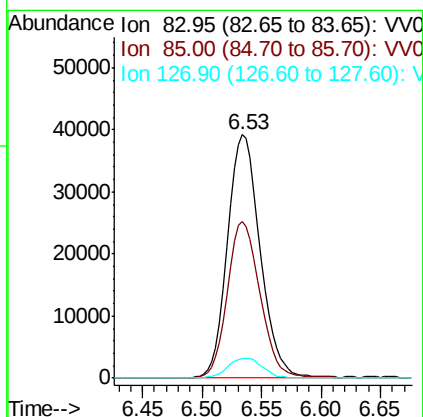
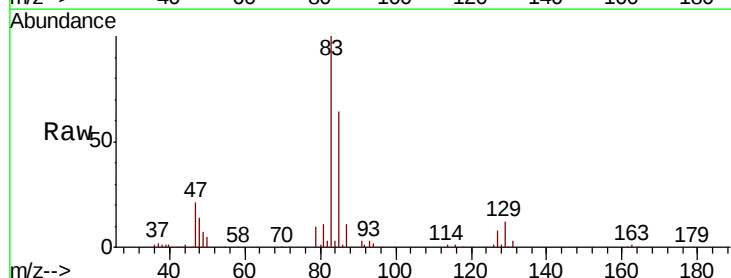
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

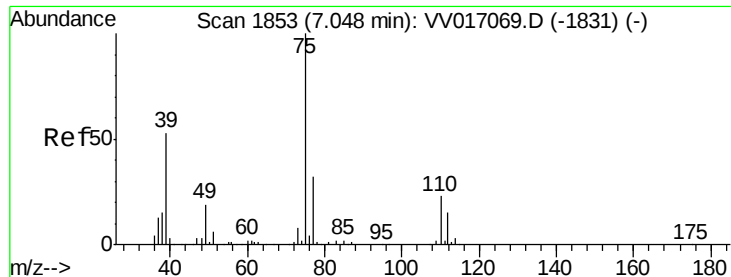
Tot Ion: 63 Resp: 55933
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.908 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion: 83 Resp: 74966
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.4 80.6
 127 8.2 7.9 11.9

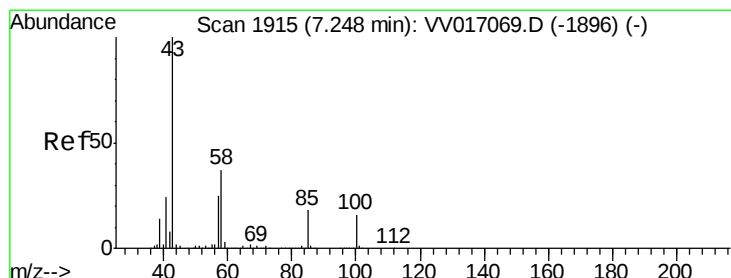
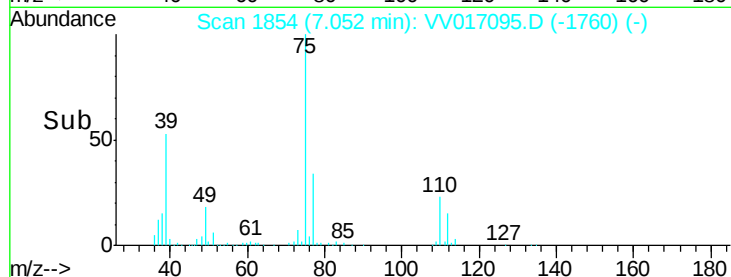
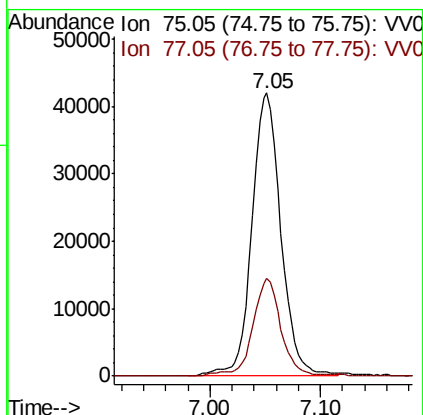
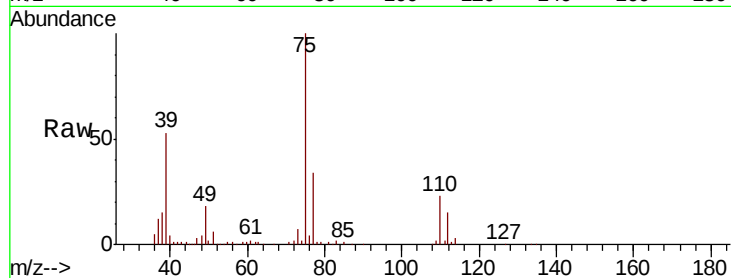




#39
 cis-1,3-Dichloropropene
 Concen: 4.599 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

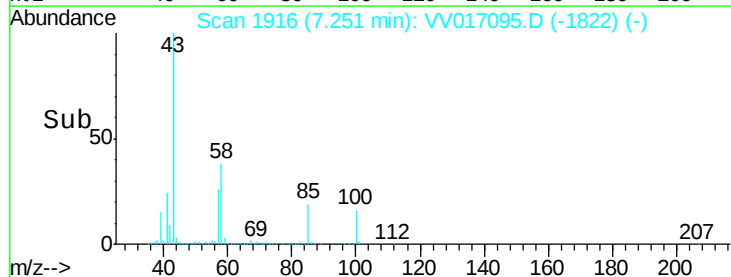
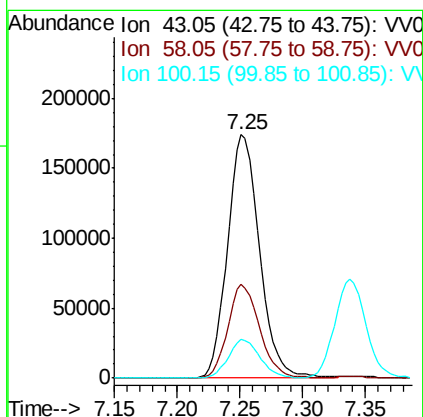
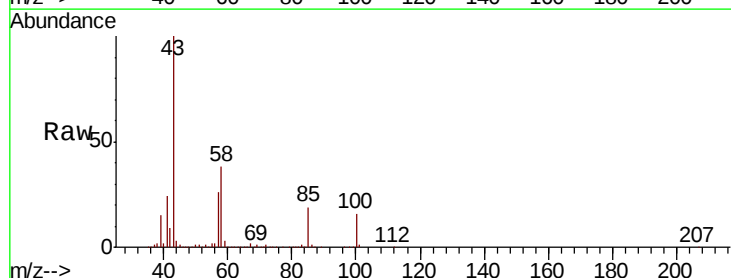
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

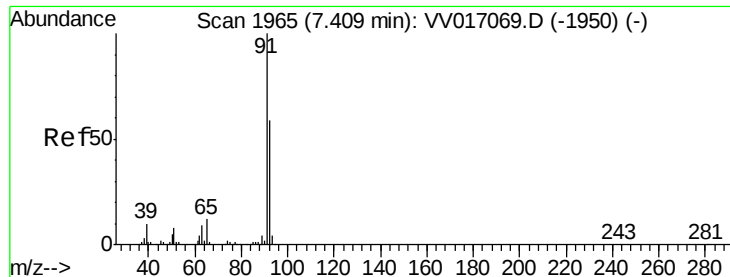
Tot Ion: 75 Resp: 76835
 Ion Ratio Lower Upper
 75 100
 77 34.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 47.367 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion: 43 Resp: 307526
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.4 45.6
 100 15.8 12.7 19.1





#42

Toluene

Concen: 4.591 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

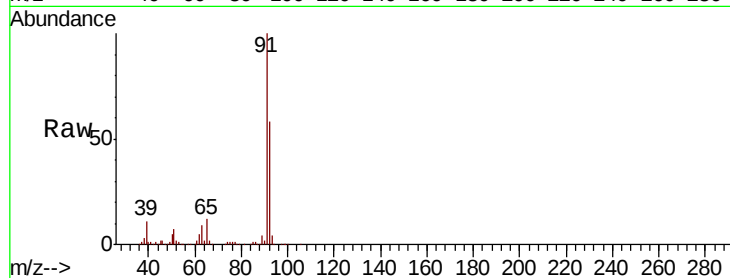
VSTD00557

Tot Ion: 91 Resp: 242432

Ion Ratio Lower Upper

91 100

92 58.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017069.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017069.D (-1950) (-)

7.41

150000

100000

50000

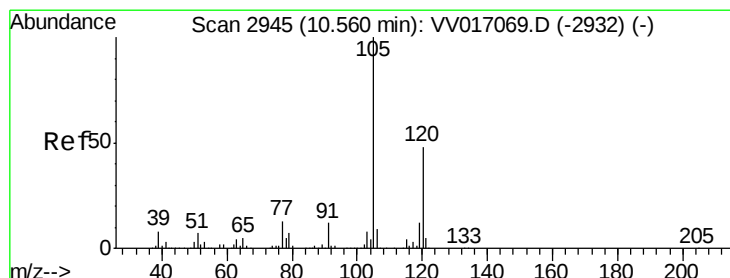
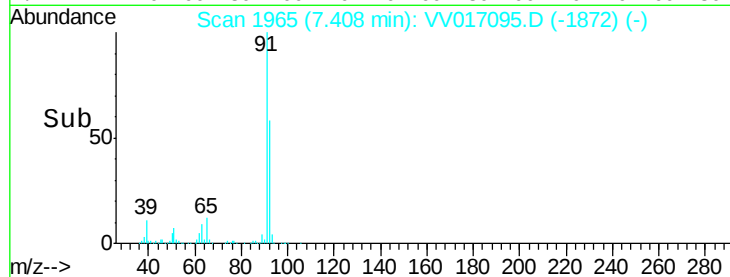
0

Time-->

7.30

7.40

7.50



#43

1,3,5-Trimethylbenzene

Concen: 4.727 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017095.D

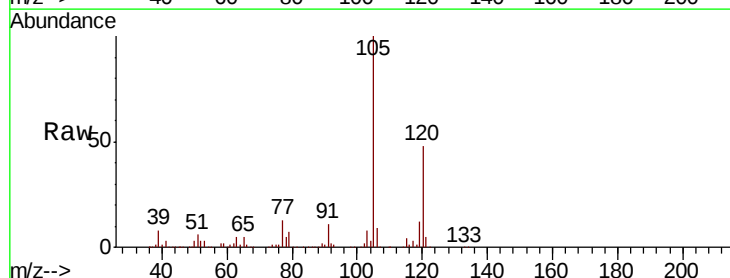
Acq: 25 Jun 2020 00:41

Tgt Ion:105 Resp: 223223

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017069.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017069.D (-2932) (-)

10.56

150000

100000

50000

0

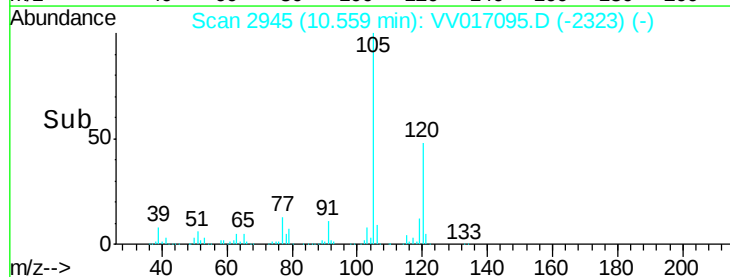
Time-->

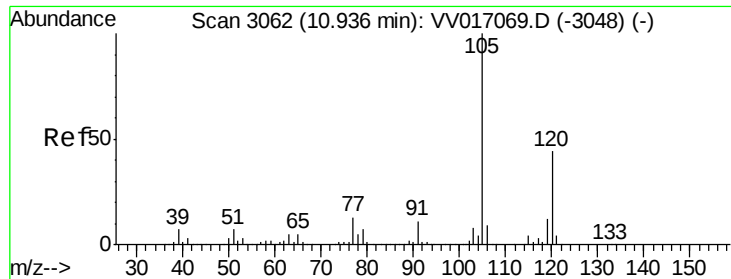
10.50

10.55

10.60

10.65





#44

1,2,4-Trimethylbenzene

Concen: 4.818 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

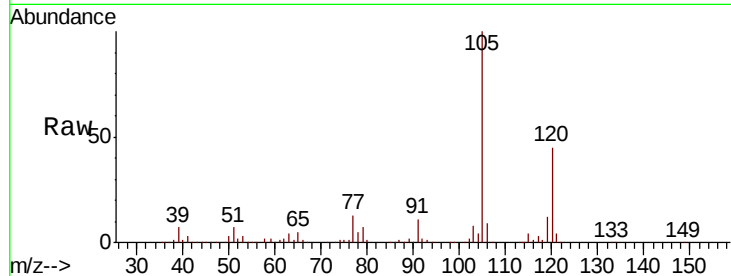
VSTD00557

Tot Ion:105 Resp: 231679

Ion Ratio Lower Upper

105 100

120 46.1 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.94

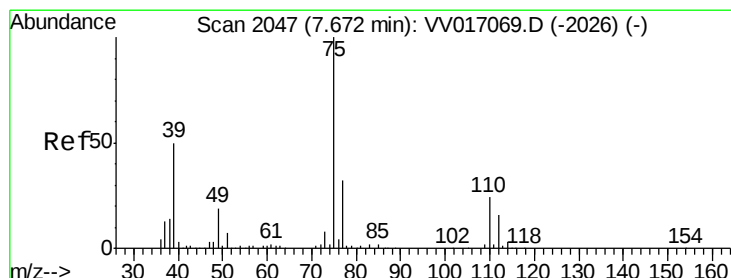
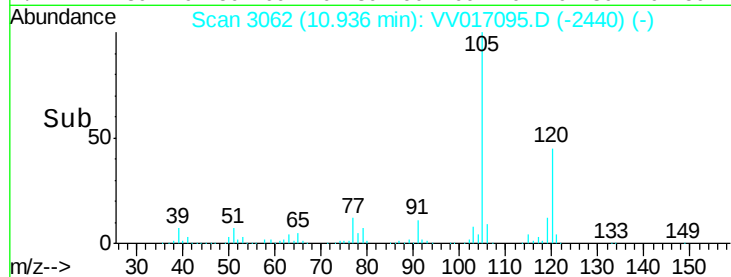
150000

100000

50000

0

Time-->



#46

trans-1,3-Dichloropropene

Concen: 4.706 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017095.D

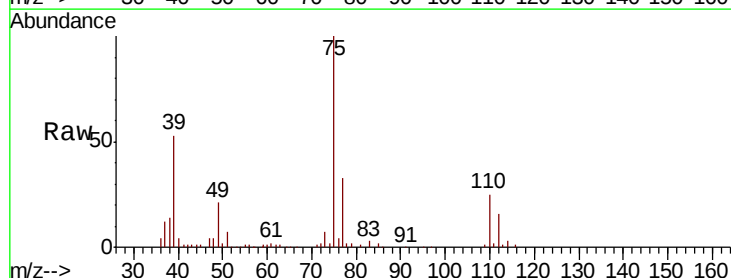
Acq: 25 Jun 2020 00:41

Tgt Ion: 75 Resp: 68010

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

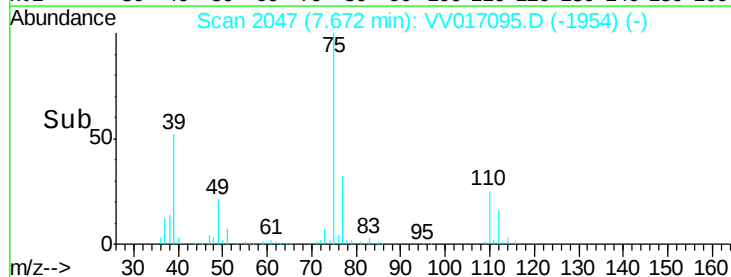
30000

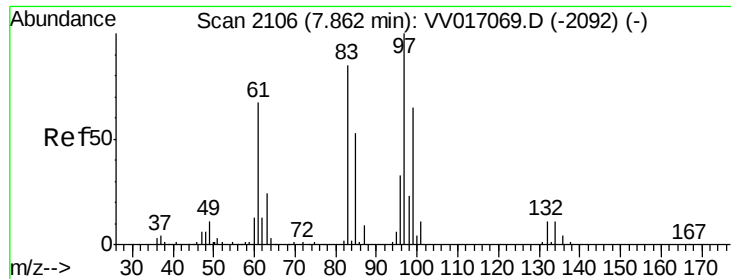
20000

10000

0

Time-->

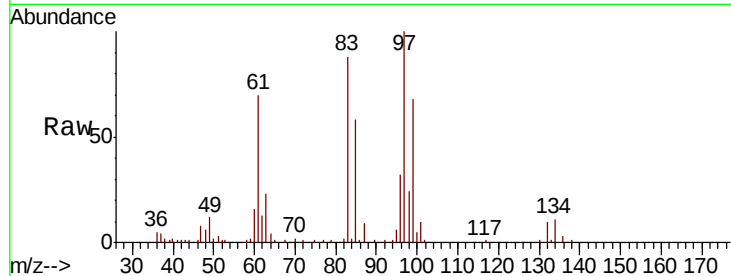




#47
 1,1,2-Trichloroethane
 Concen: 4.763 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tot Ion:	97	Resp:	37987
Ion	Ratio	Lower	Upper
97	100		
99	67.8	43.6	81.0
83	88.3	57.4	106.6
85	58.0	38.8	72.0

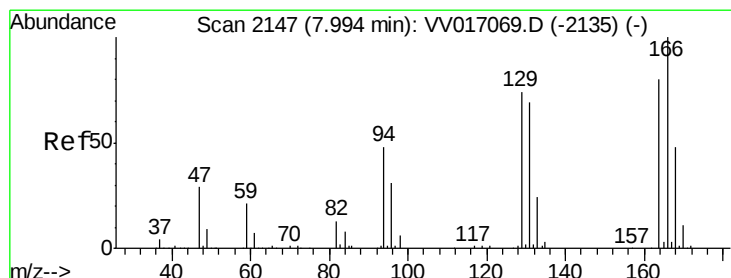
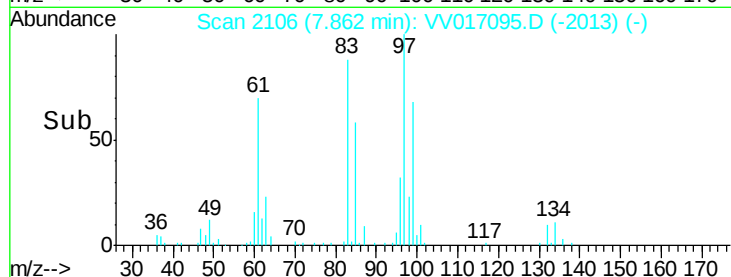
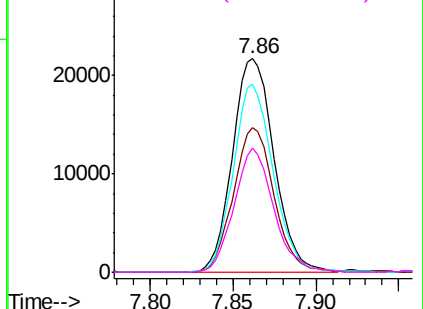


Abundance Ion 96.95 (96.65 to 97.65): VV017095.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV017095.D (-2013) (-)

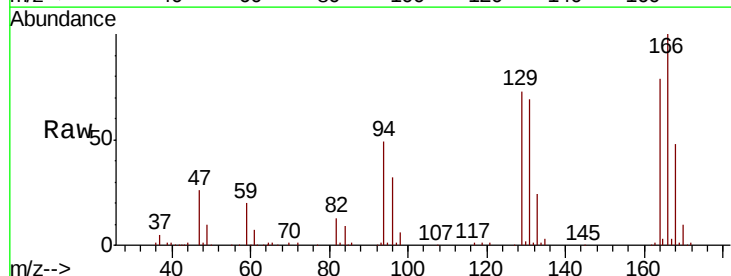
Ion 82.95 (82.65 to 83.65): VV017095.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV017095.D (-2013) (-)



#49
 Tetrachloroethene
 Concen: 4.742 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion:	164	Resp:	50768
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.2	121.0
131	88.2	64.1	119.1
166	127.4	90.2	167.4

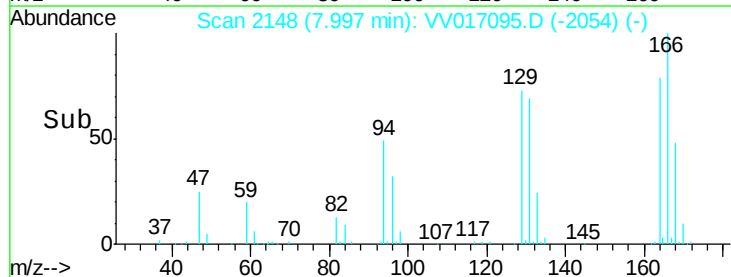
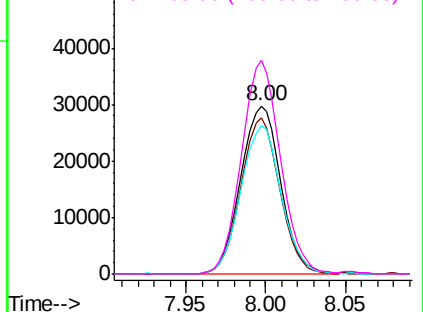


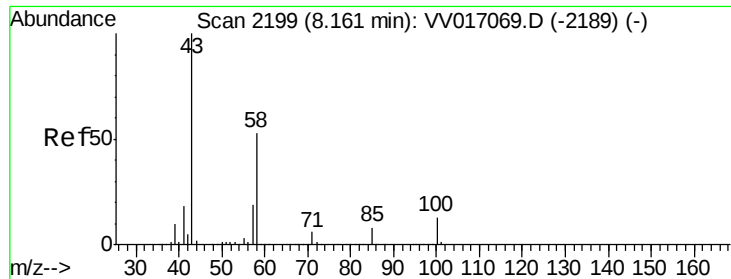
Abundance Ion 163.90 (163.60 to 164.60): VV017095.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV017095.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV017095.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV017095.D (-2054) (-)

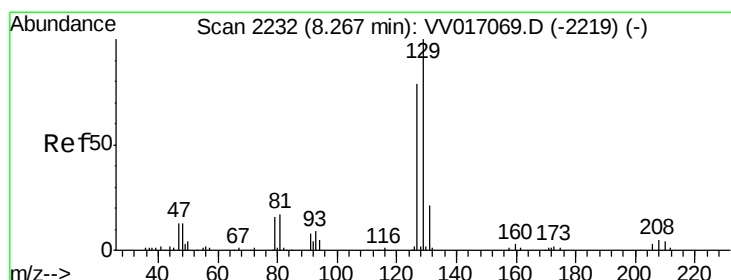
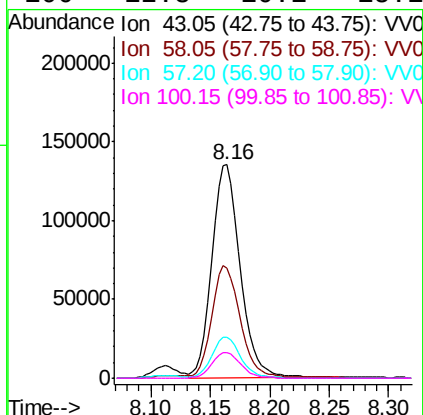
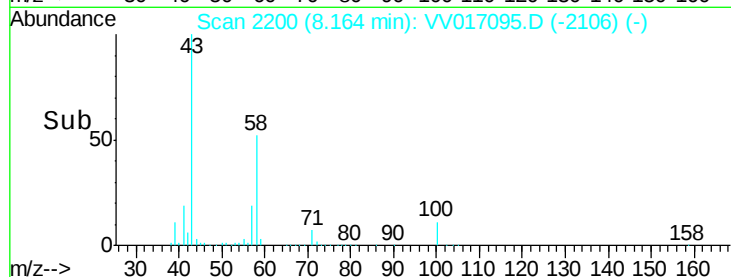
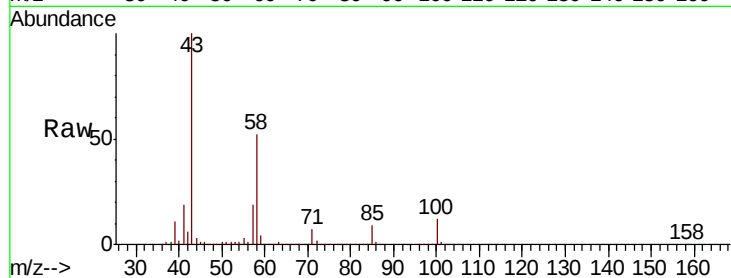




#50
2-Hexanone
Concen: 48.147 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

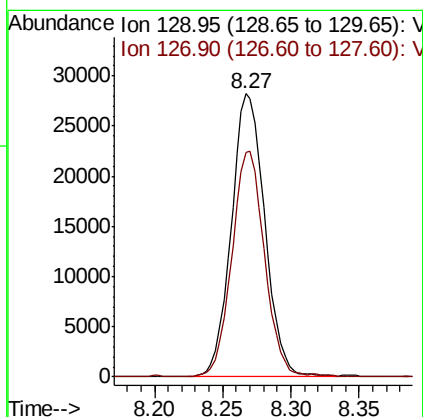
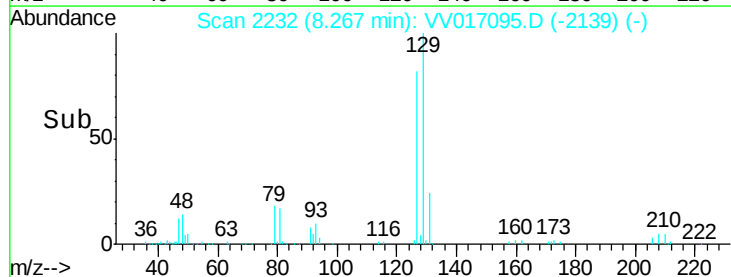
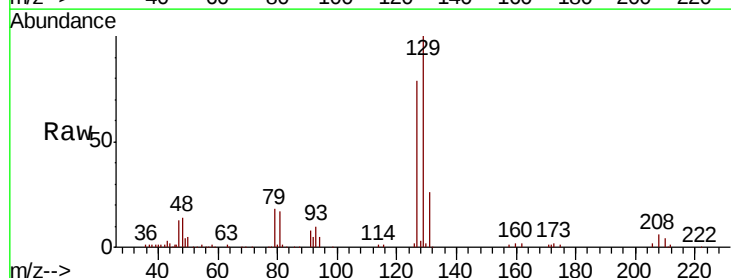
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

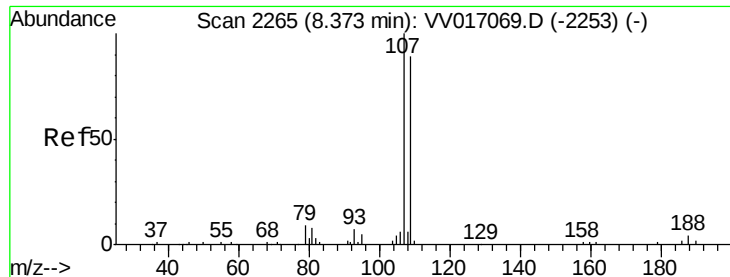
Tot Ion: 43 Resp: 222456
Ion Ratio Lower Upper
43 100
58 52.9 41.6 62.4
57 19.3 15.4 23.0
100 12.8 10.1 15.1



#51
Dibromochloromethane
Concen: 4.969 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion: 129 Resp: 48038
Ion Ratio Lower Upper
129 100
127 79.5 54.1 100.5

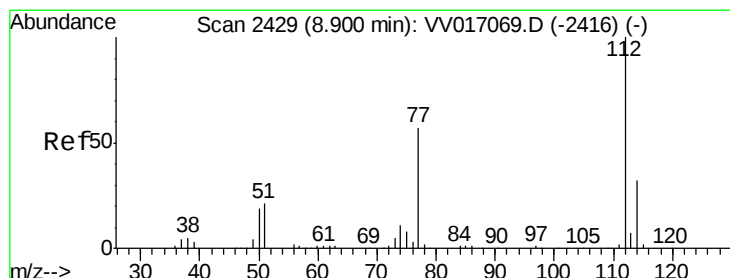
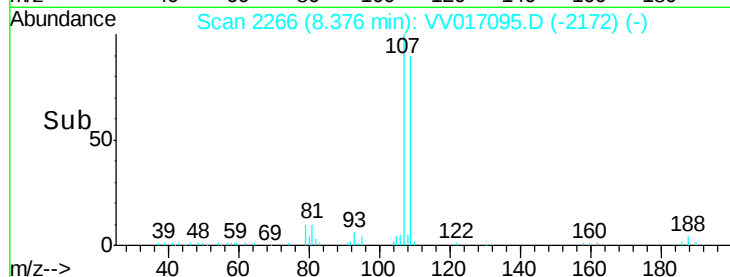
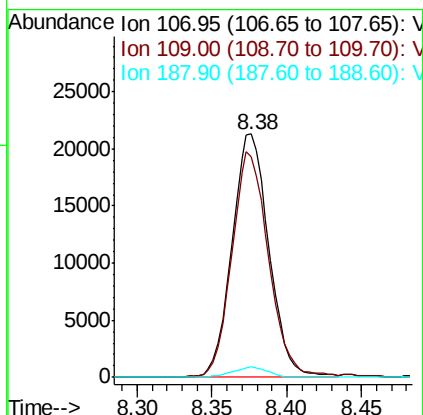
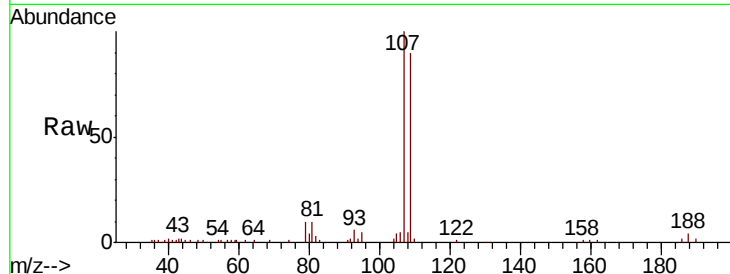




#52
 1,2-Dibromoethane
 Concen: 4.837 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

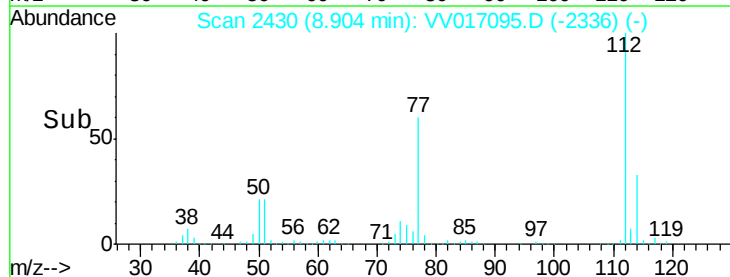
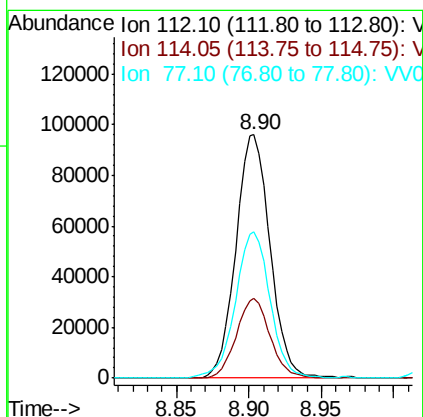
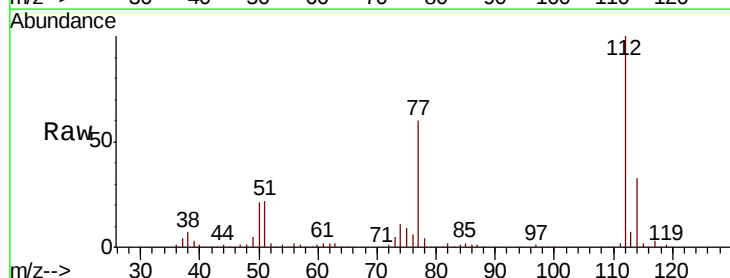
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00557

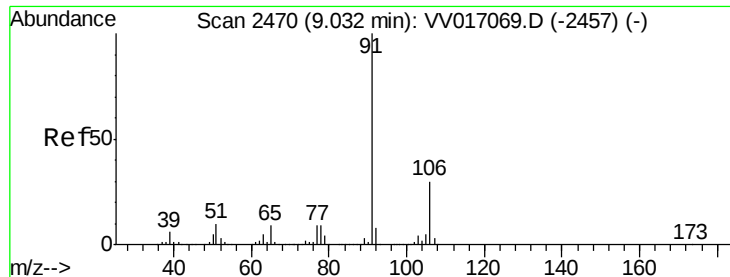
Tot Ion:107 Resp: 36589
 Ion Ratio Lower Upper
 107 100
 109 90.4 69.4 128.8
 188 4.2 3.9 5.9



#53
 Chlorobenzene
 Concen: 4.775 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion:112 Resp: 157186
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.0 41.0
 77 60.3 46.0 69.0





#54

Ethylbenzene

Concen: 4.767 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

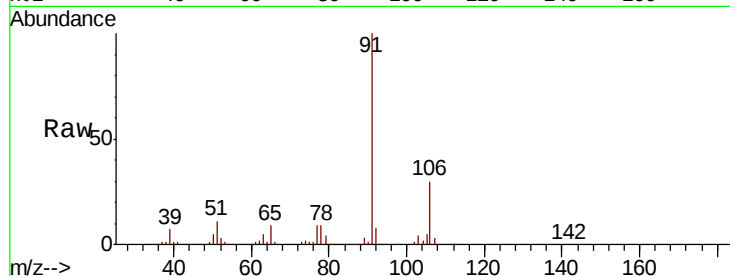
VSTD00557

Tot Ion: 91 Resp: 268728

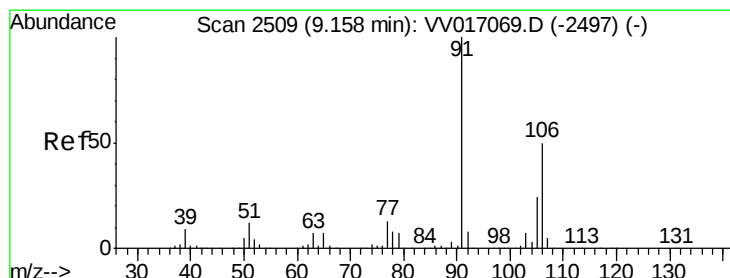
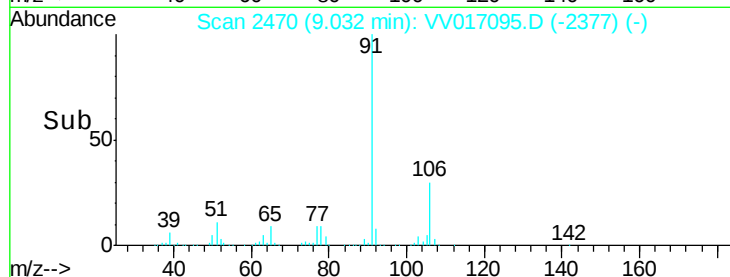
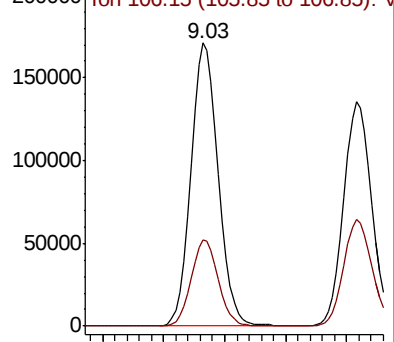
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017069.D (-2457) (-)



#55

m,p-xylene

Concen: 4.679 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017095.D

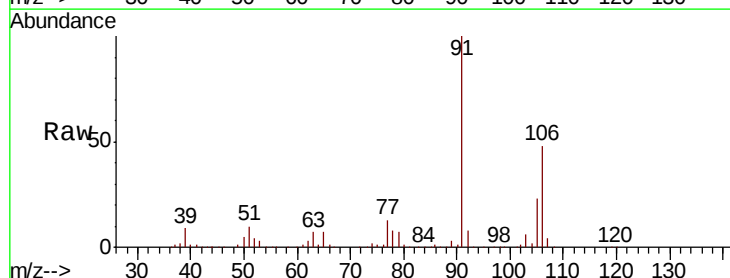
Acq: 25 Jun 2020 00:41

Tgt Ion: 106 Resp: 103448

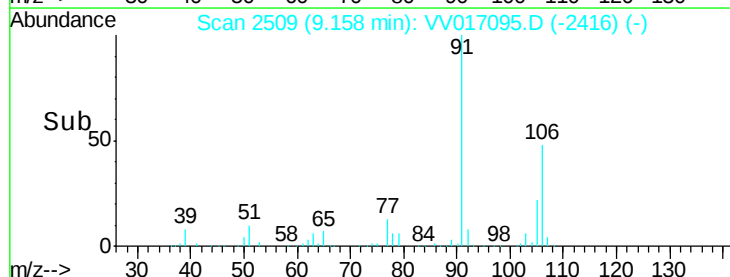
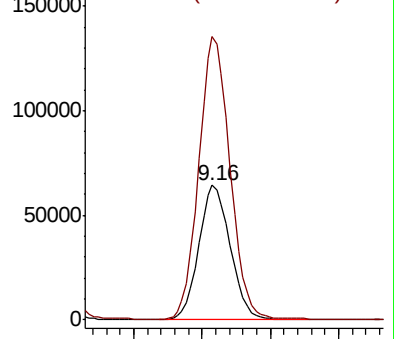
Ion Ratio Lower Upper

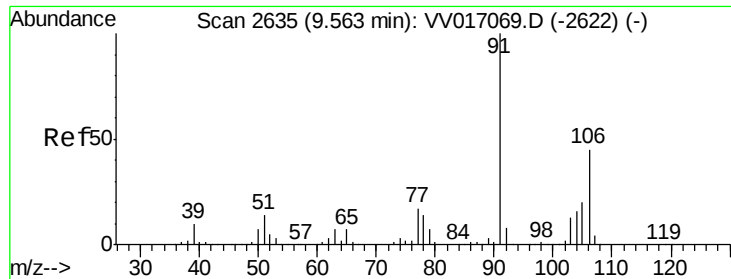
106 100

91 210.3 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017069.D (-2497) (-)

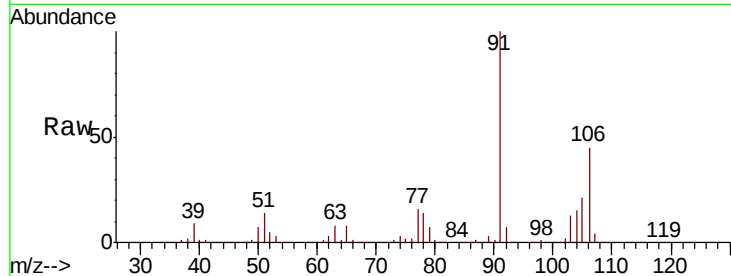




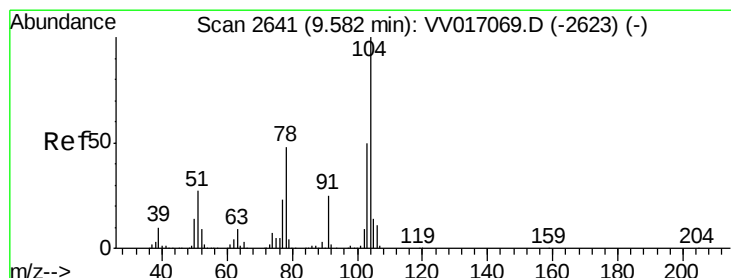
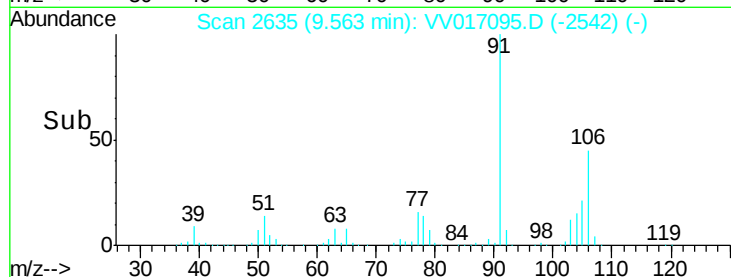
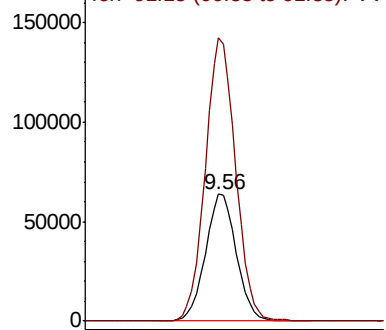
#56
o-xylene
Concen: 4.737 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tot Ion:106 Resp: 97739
Ion Ratio Lower Upper
106 100
91 223.4 153.6 285.2

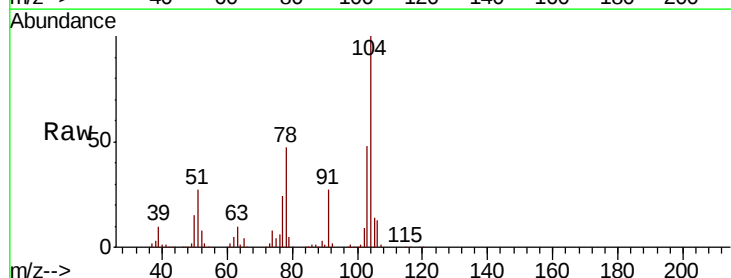


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

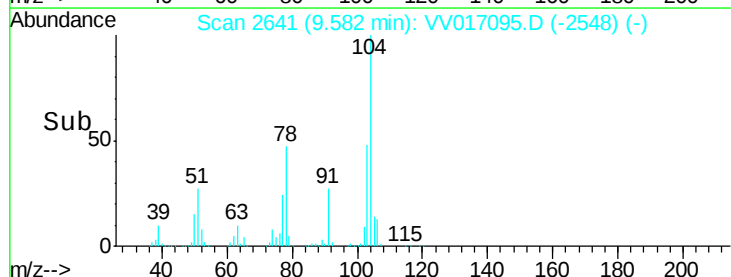
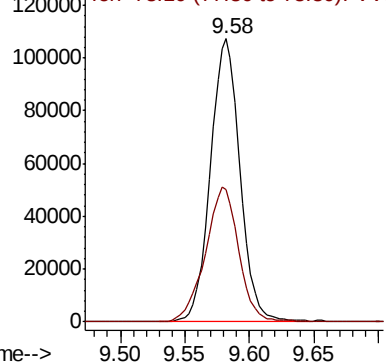


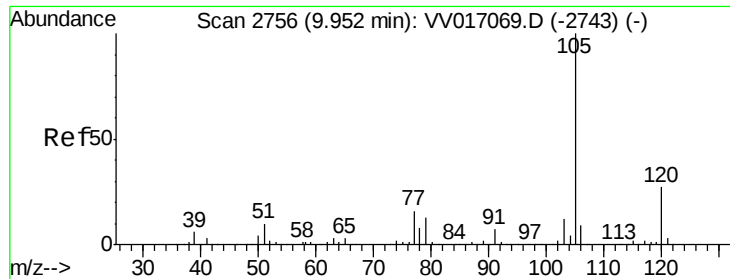
#57
Styrene
Concen: 5.000 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion:104 Resp: 170954
Ion Ratio Lower Upper
104 100
78 46.9 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.751 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

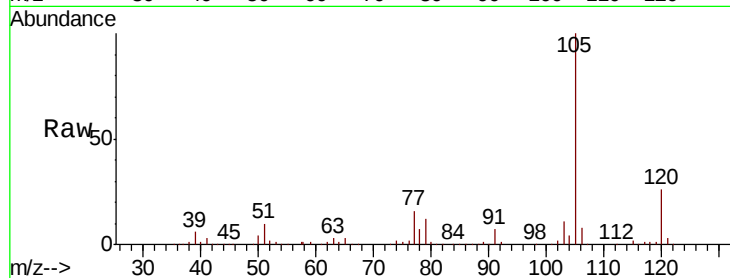
Tot Ion:105 Resp: 269773

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

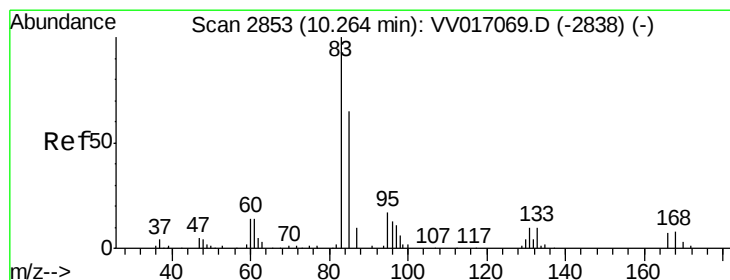
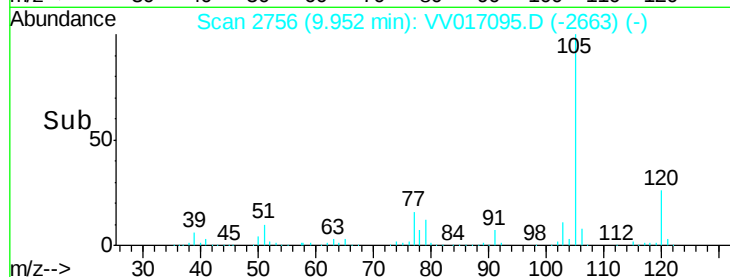
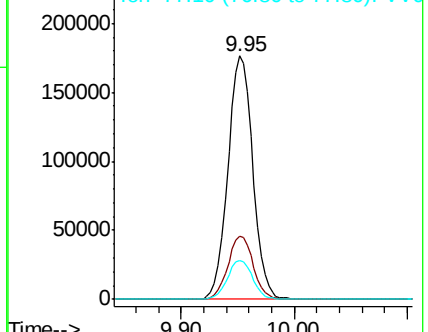
77 16.2 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.417 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

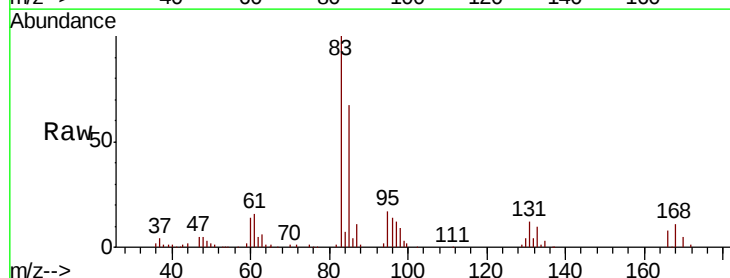
Tgt Ion: 83 Resp: 44691

Ion Ratio Lower Upper

83 100

85 66.8 42.9 79.7

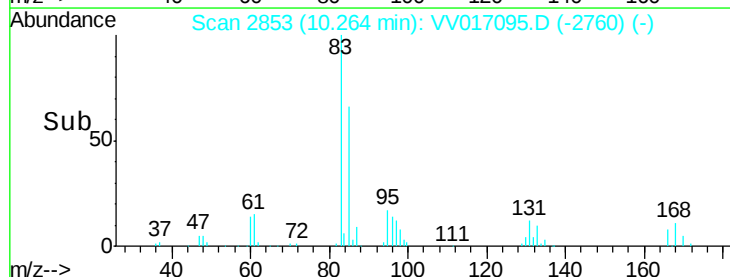
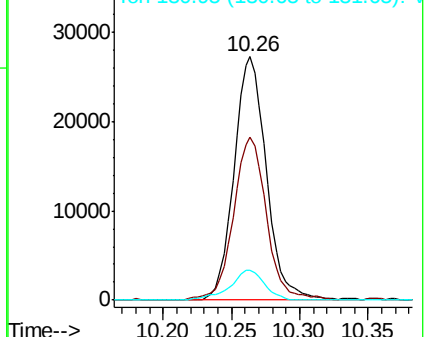
131 12.2 8.6 13.0

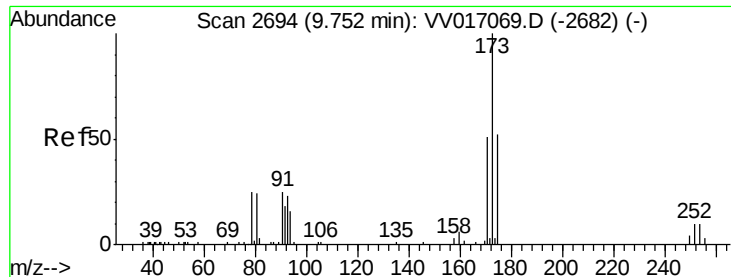


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.480 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

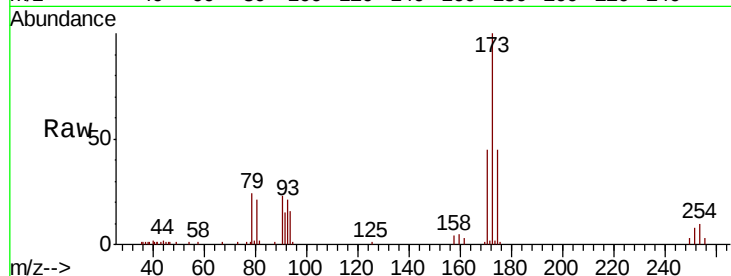
Tot Ion:173 Resp: 27509

Ion Ratio Lower Upper

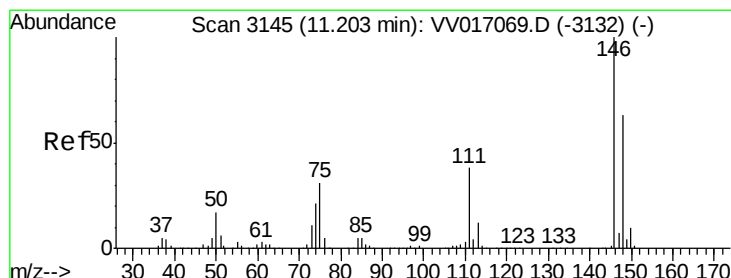
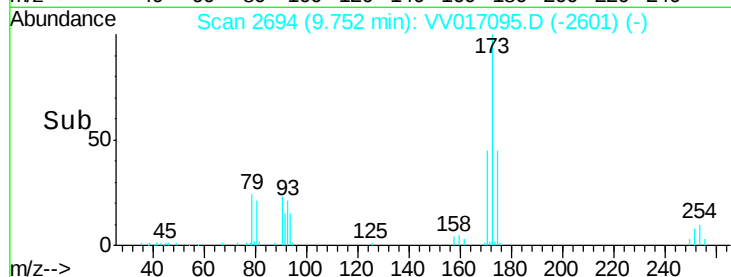
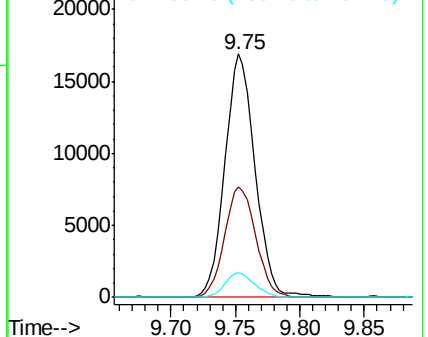
173 100

175 46.5 39.4 59.2

254 9.7 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.739 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

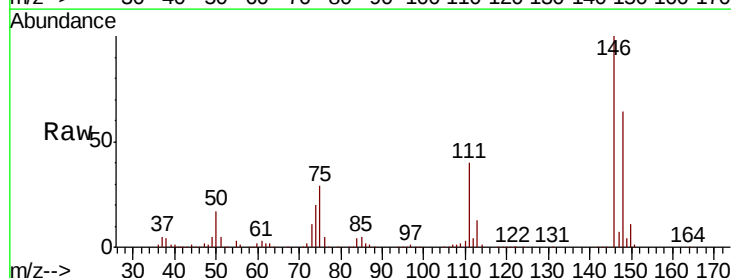
Tgt Ion:146 Resp: 133863

Ion Ratio Lower Upper

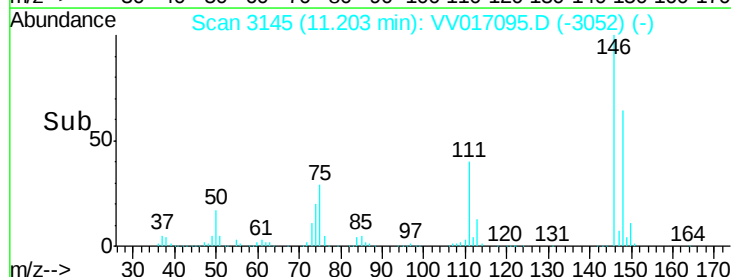
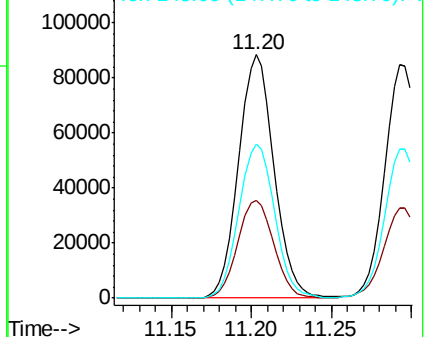
146 100

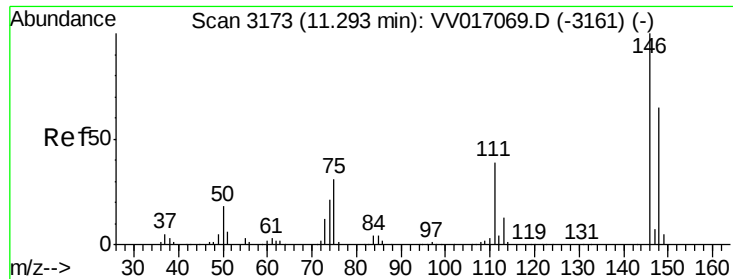
111 40.1 29.2 54.2

148 63.5 44.9 83.5



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





#64

1,4-Dichlorobenzene

Concen: 4.570 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

Instrument :

MSVOA_V

ClientSampled :

VSTD00557

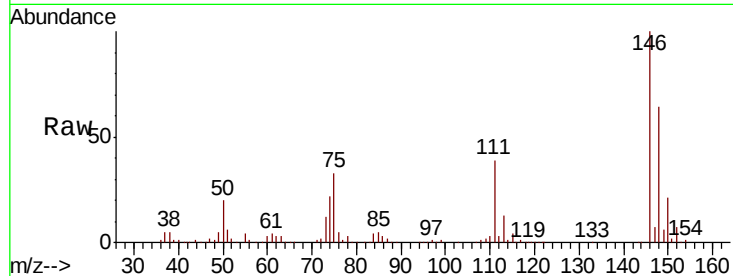
Tot Ion:146 Resp: 131202

Ion Ratio Lower Upper

146 100

111 38.7 27.4 50.8

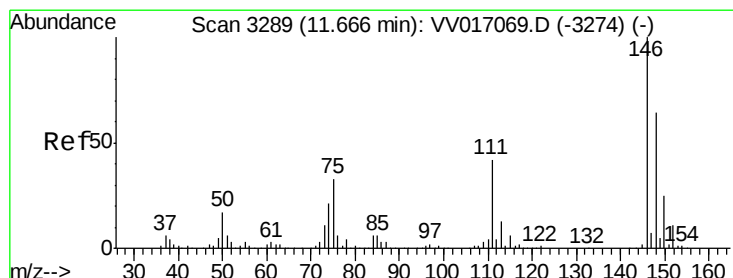
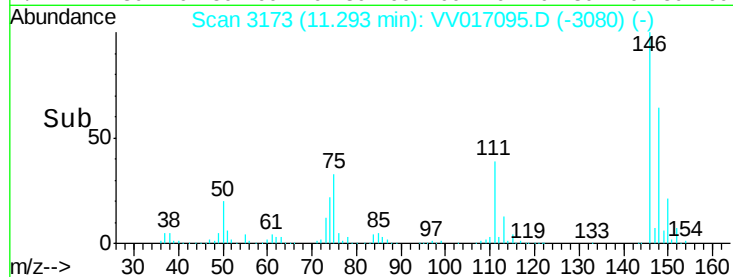
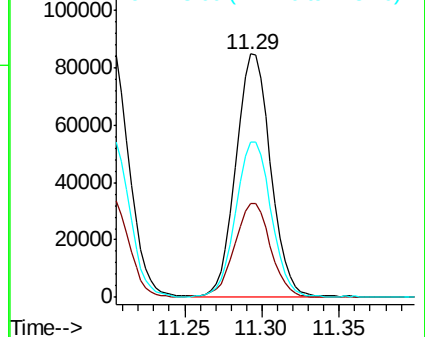
148 64.0 44.3 82.3



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



#66

1,2-Dichlorobenzene

Concen: 4.656 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017095.D

Acq: 25 Jun 2020 00:41

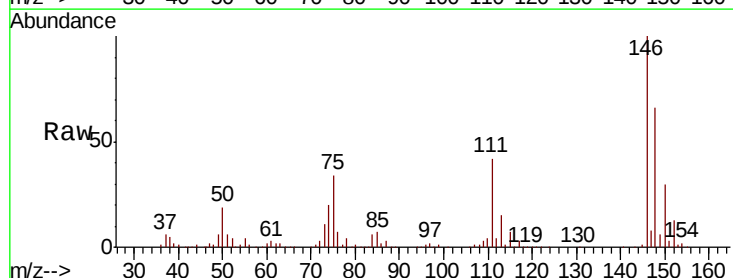
Tgt Ion:146 Resp: 119350

Ion Ratio Lower Upper

146 100

111 42.4 34.4 51.6

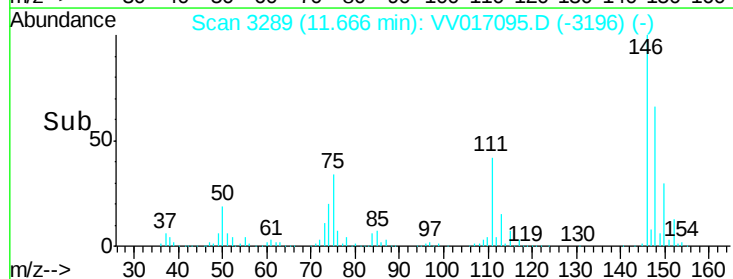
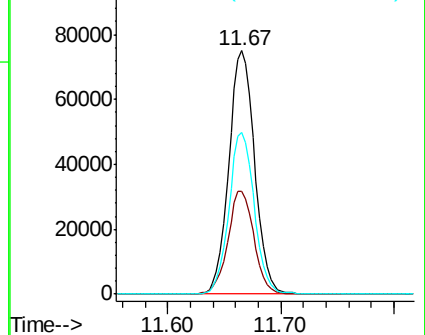
148 66.5 49.9 74.9

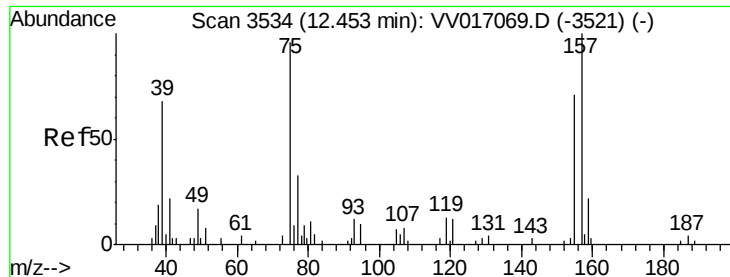


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

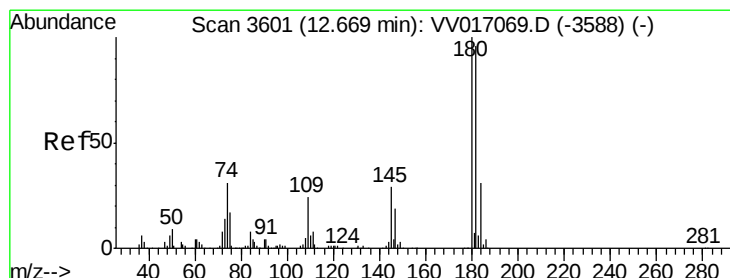
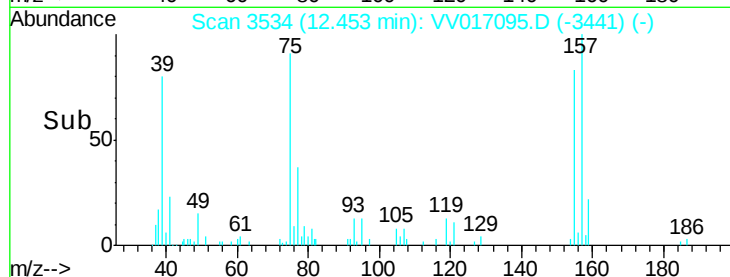
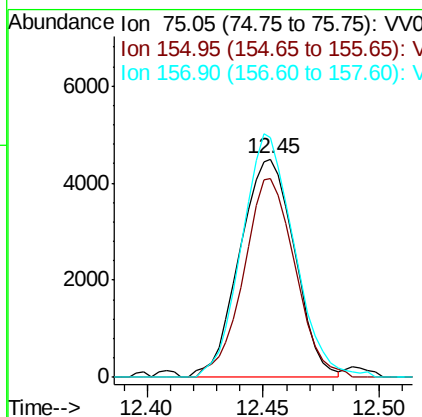
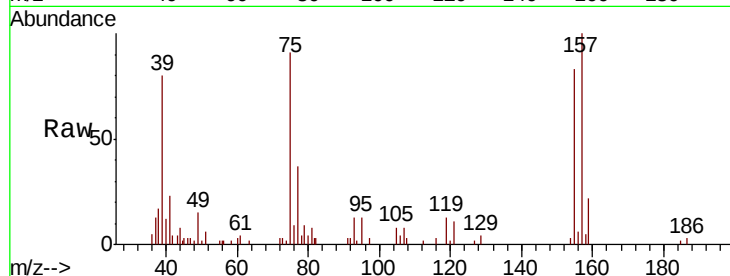




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.203 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

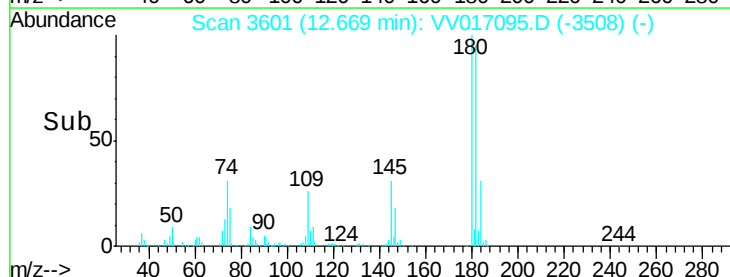
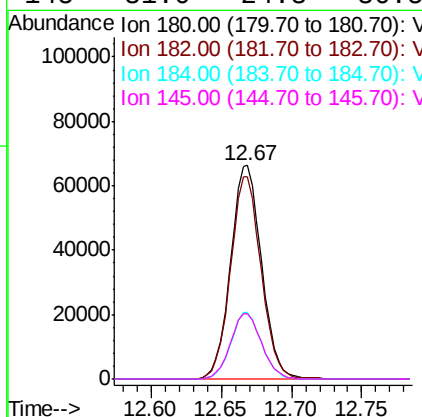
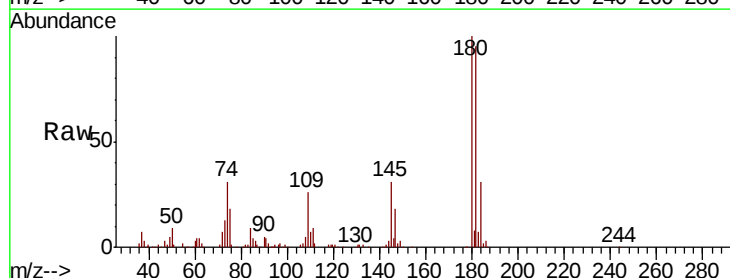
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

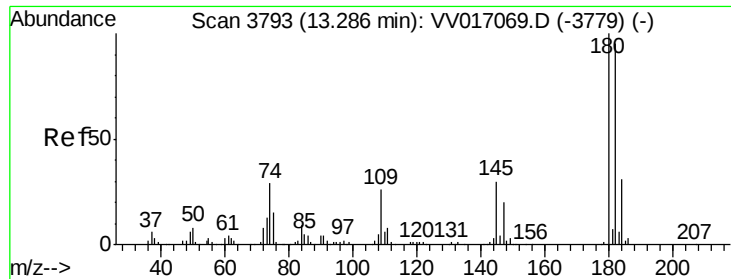
Tot Ion: 75 Resp: 7378
 Ion Ratio Lower Upper
 75 100
 155 91.4 71.1 106.7
 157 109.9 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.473 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Tgt Ion: 180 Resp: 101525
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.4 116.2
 184 30.8 24.2 36.4
 145 31.0 24.3 36.5

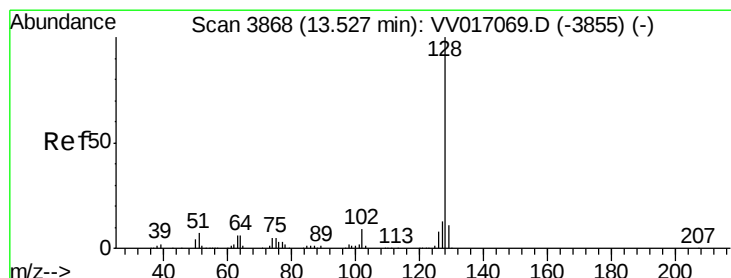
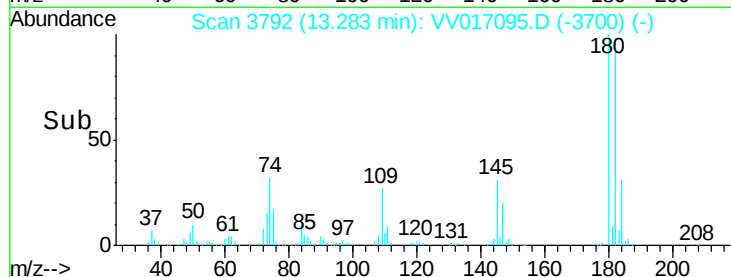
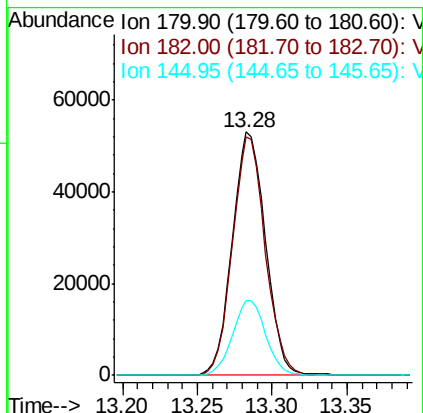
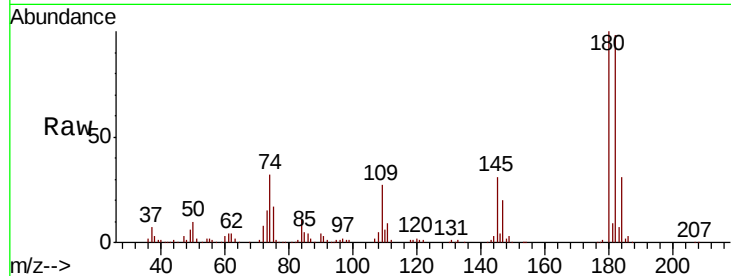




#69
1,2,4-trichlorobenzene
Concen: 4.394 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

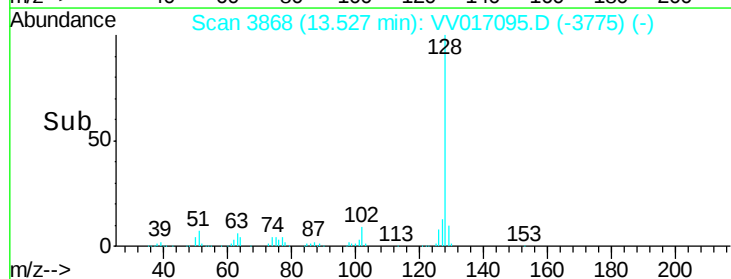
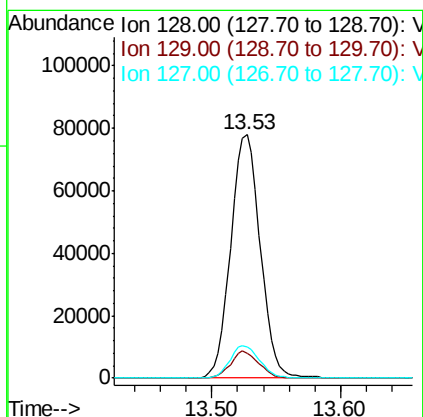
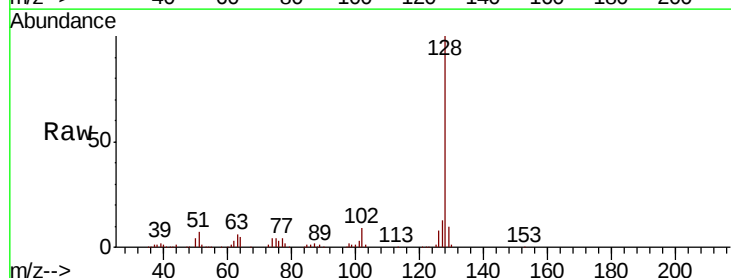
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

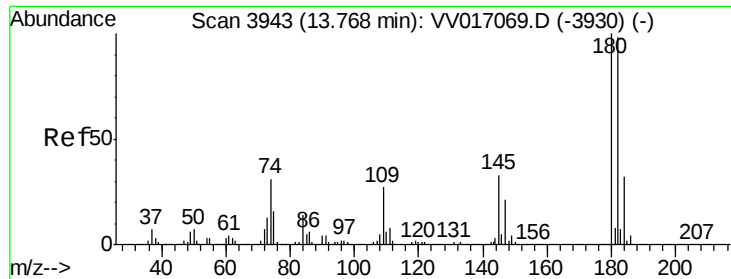
Tot Ion:180 Resp: 82093
Ion Ratio Lower Upper
180 100
182 96.1 76.6 114.8
145 30.6 25.0 37.6



#70
Naphthalene
Concen: 4.706 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV017095.D
Acq: 25 Jun 2020 00:41

Tgt Ion:128 Resp: 124156
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.3 10.5 15.7





#71
 1,2,3-Trichlorobenzene
 Concen: 4.818 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017095.D
 Acq: 25 Jun 2020 00:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.4	116.0
145	33.9	25.9	38.9

