

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017561.D
 Acq On : 21 Jul 2020 13:29
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Quant Time: Jul 22 02:37:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346826	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326739	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171241	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11100	5.66	ug/L	0.00
7) Chloroethane-d5	1.58	69	8552	5.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	22614	4.86	ug/L	0.00
21) 2-Butanone-d5	3.93	46	11749	8.04	ug/L	0.02
24) Chloroform-d	4.38	84	25139	5.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	18244	5.92	ug/L	0.00
32) Benzene-d6	5.08	84	45750	6.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	13584	6.04	ug/L	0.00
41) Toluene-d8	7.34	98	41814	5.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	7424	5.49	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	11157	10.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	19443	6.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	19277	5.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	19814	5.974 ug/L	97
3) Chloromethane	1.25	50	14938	5.640 ug/L	99
5) Vinyl chloride	1.32	62	13919	5.053 ug/L	98
6) Bromomethane	1.53	94	9302	5.264 ug/L	91
8) Chloroethane	1.60	64	8227	5.372 ug/L	97
9) Trichlorofluoromethane	1.77	101	22968	4.848 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11484	4.578 ug/L	98
12) 1,1-Dichloroethene	2.14	96	10248	4.517 ug/L	90
13) Acetone	2.19	43	19104	11.269 ug/L	97
14) Carbon disulfide	2.31	76	39753	6.078 ug/L	99
15) Methyl Acetate	2.45	43	12352	4.874 ug/L	94
16) Methylene chloride	2.52	84	14475	5.447 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	13794	5.959 ug/L	95
18) Methyl tert-butyl Ether	2.78	73	44183	5.426 ug/L	98
19) 1,1-Dichloroethane	3.21	63	23191	5.417 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	14245	5.668 ug/L	96
22) 2-Butanone	4.01	43	15868	9.748 ug/L	86
23) Bromochloromethane	4.28	128	8037	5.765 ug/L	93
25) Chloroform	4.40	83	24960	5.276 ug/L	99
27) 1,2-Dichloroethane	5.16	62	21917	5.420 ug/L	98
29) Cyclohexane	4.71	56	21167	6.394 ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	23816	5.397 ug/L	97
31) Carbon tetrachloride	4.85	117	21201	5.251 ug/L	99
33) Benzene	5.12	78	51149	5.862 ug/L	100
34) Trichloroethene	5.94	95	14332	5.974 ug/L	99
35) Methylcyclohexane	6.15	83	21547	6.003 ug/L	100
37) 1,2-Dichloropropane	6.20	63	13290	5.986 ug/L	# 95
38) Bromodichloromethane	6.53	83	18578	5.295 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	21917	5.909 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	34648	11.266 ug/L	99

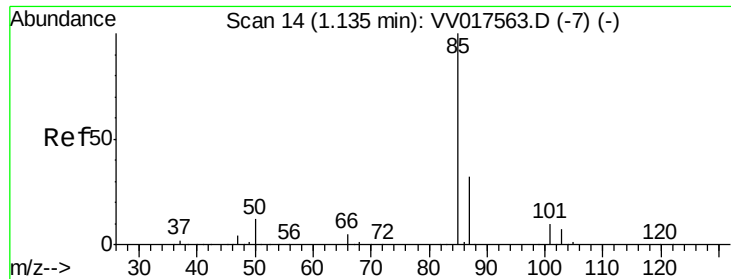
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017561.D
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Quant Time: Jul 22 02:37:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	55234	5.740	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	20671	5.336	ug/L	90
45) 1,1,2-Trichloroethane	7.86	97	13270	5.581	ug/L	98
46) Tetrachloroethene	7.99	164	11798	5.659	ug/L	98
48) 2-Hexanone	8.16	43	26884	10.960	ug/L	98
49) Dibromochloromethane	8.27	129	15689	5.305	ug/L	95
50) 1,2-Dibromoethane	8.38	107	14397	5.565	ug/L	90
51) Chlorobenzene	8.90	112	38068	5.679	ug/L	99
52) Ethylbenzene	9.03	91	60777	5.403	ug/L	99
53) m,p-Xylene	9.16	106	22954	5.466	ug/L	97
54) o-xylene	9.57	106	22873	5.606	ug/L	95
55) Styrene	9.58	104	37577	5.403	ug/L	99
56) Isopropylbenzene	9.95	105	59634	5.419	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	20940	5.870	ug/L	92
59) 1,2,3-Trichloropropane	10.30	75	17654	5.816	ug/L	96
61) Bromoform	9.75	173	11784	5.364	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	30978	5.660	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	33330	5.855	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	31685	5.594	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	5154	5.014	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	24943	5.720	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	21879	5.607	ug/L	96
69) Naphthalene	13.53	128	55714	5.060	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	21969	5.655	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.974 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

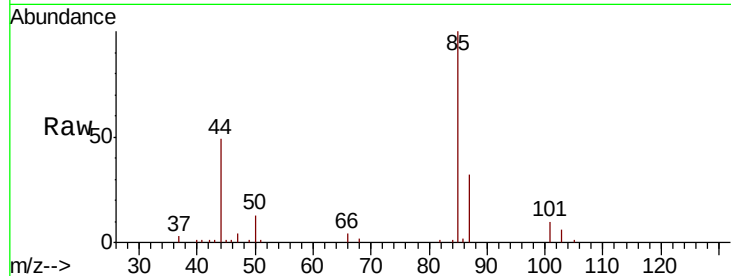
VSTD00566

Tot Ion: 85 Resp: 19814

Ion Ratio Lower Upper

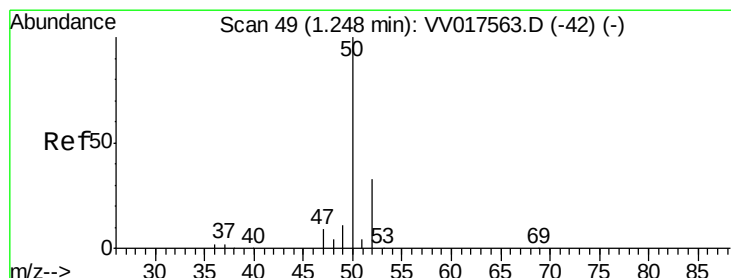
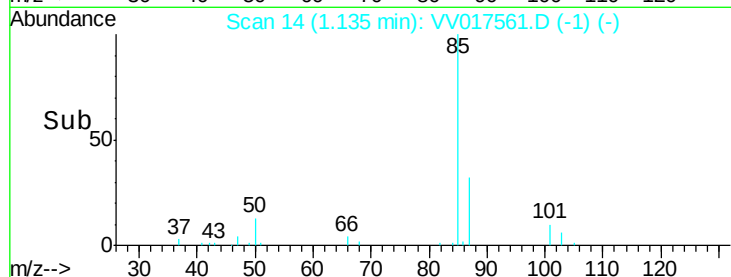
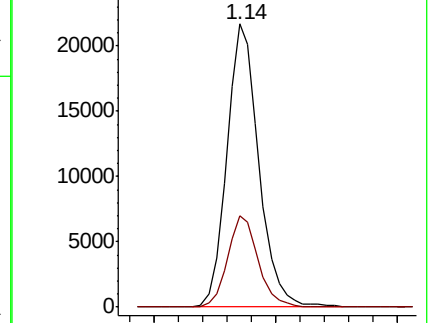
85 100

87 30.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV017561.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017561.D (-1) (-)



#3

Chloromethane

Concen: 5.640 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017561.D

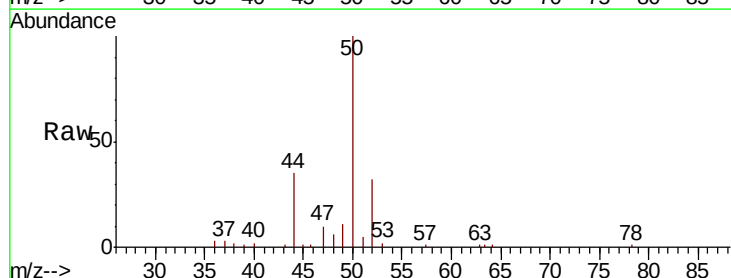
Acq: 21 Jul 2020 13:29

Tgt Ion: 50 Resp: 14938

Ion Ratio Lower Upper

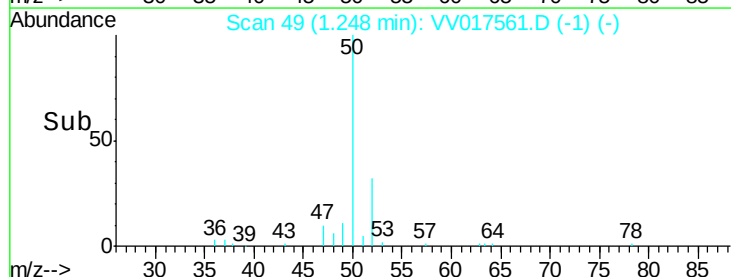
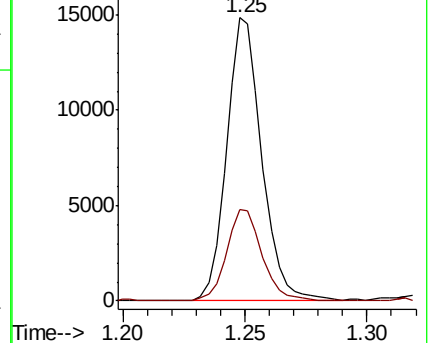
50 100

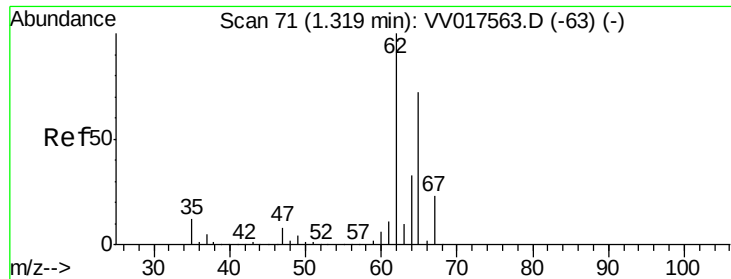
52 32.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017561.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017561.D (-1) (-)





#5

Vinyl chloride

Concen: 5.053 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

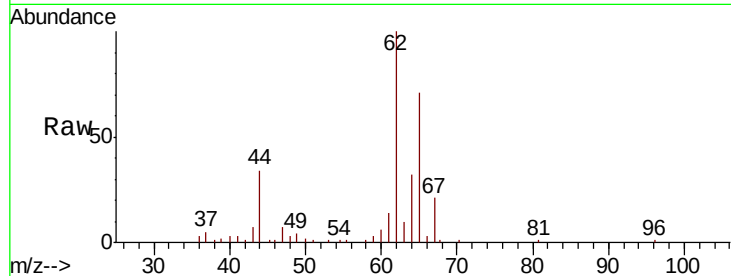
VSTD00566

Tot Ion: 62 Resp: 13919

Ion Ratio Lower Upper

62 100

64 31.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

15000

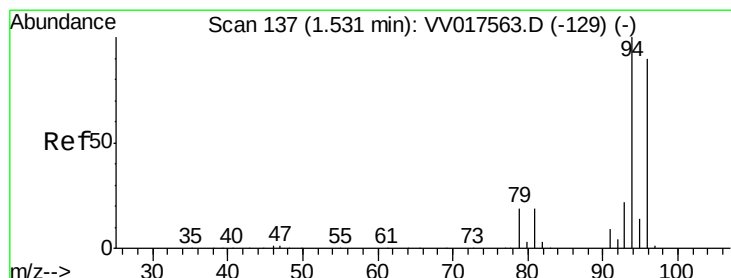
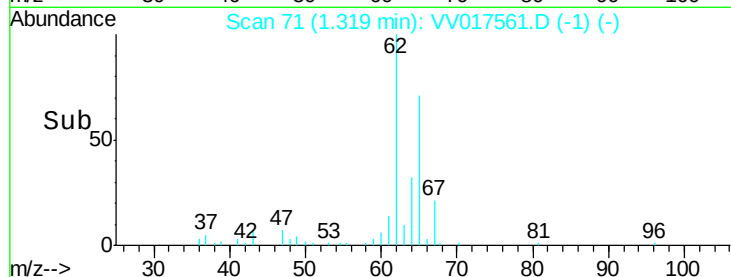
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.264 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017561.D

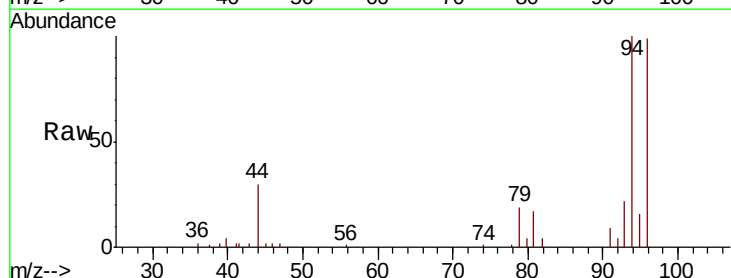
Acq: 21 Jul 2020 13:29

Tgt Ion: 94 Resp: 9302

Ion Ratio Lower Upper

94 100

96 98.6 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

8000

6000

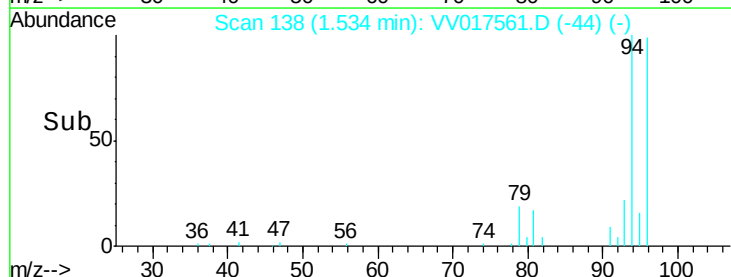
4000

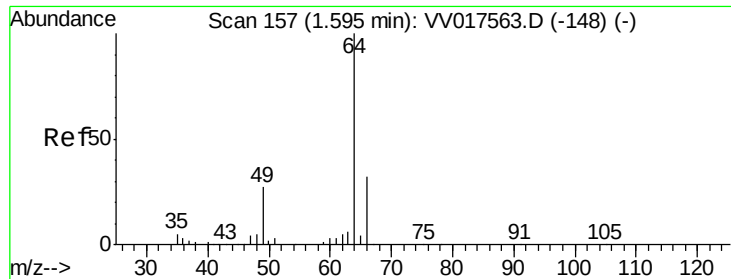
2000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 5.372 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

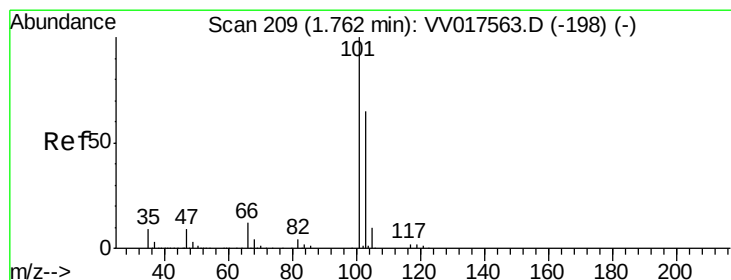
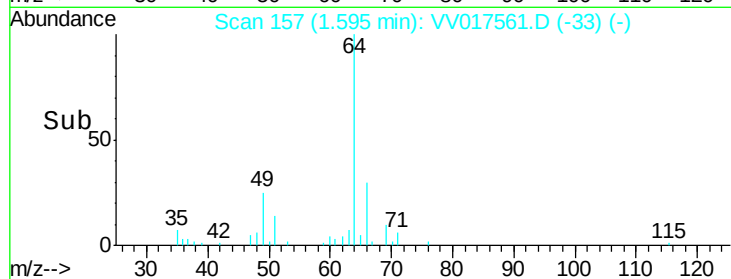
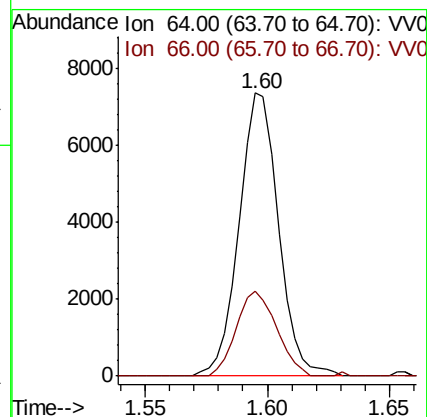
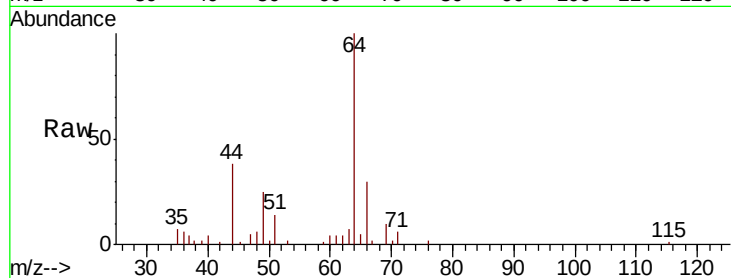
VSTD00566

Tot Ion: 64 Resp: 8227

Ion Ratio Lower Upper

64 100

66 29.8 22.1 41.1



#9

Trichlorofluoromethane

Concen: 4.848 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017561.D

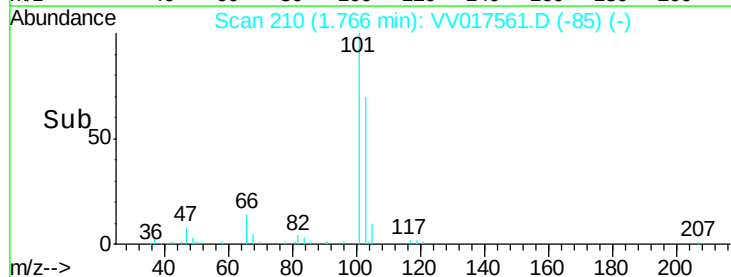
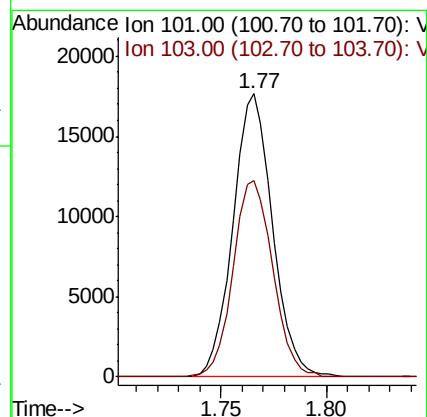
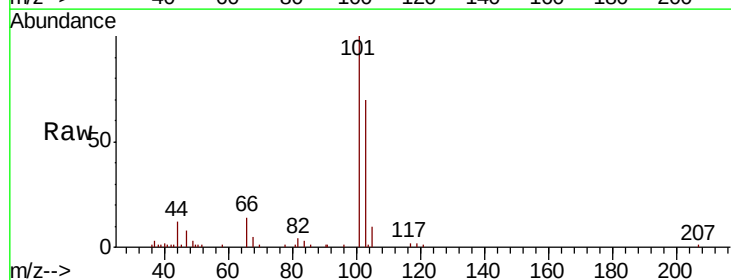
Acq: 21 Jul 2020 13:29

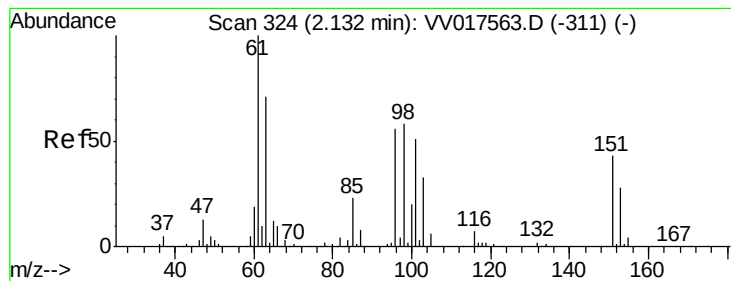
Tgt Ion: 101 Resp: 22968

Ion Ratio Lower Upper

101 100

103 69.6 51.8 77.6





#10

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

Concen: 4.578 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

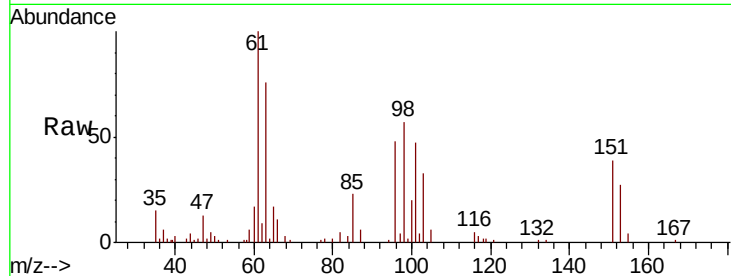
Tot Ion:101 Resp: 11484

Ion Ratio Lower Upper

101 100

85 46.3 35.1 52.7

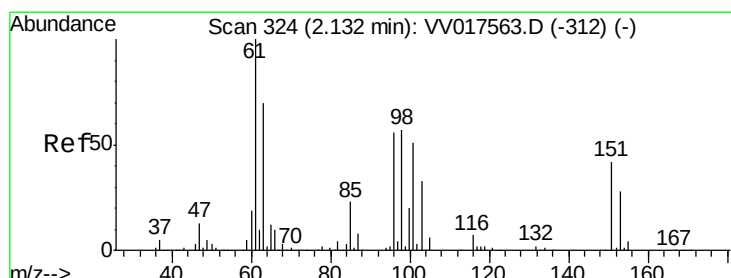
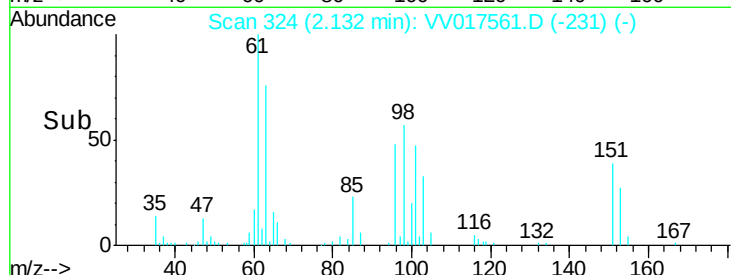
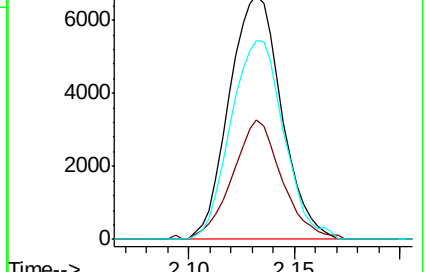
151 82.7 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): VV017561.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017561.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017561.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 4.517 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

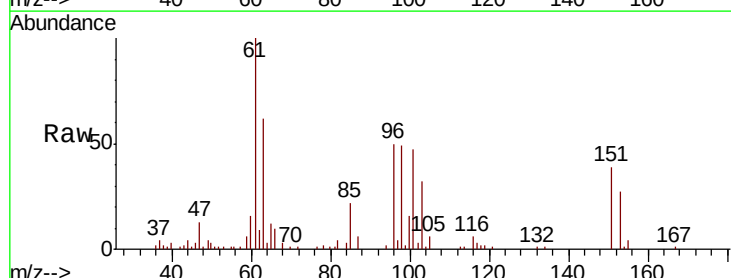
Tgt Ion: 96 Resp: 10248

Ion Ratio Lower Upper

96 100

61 201.4 124.5 231.3

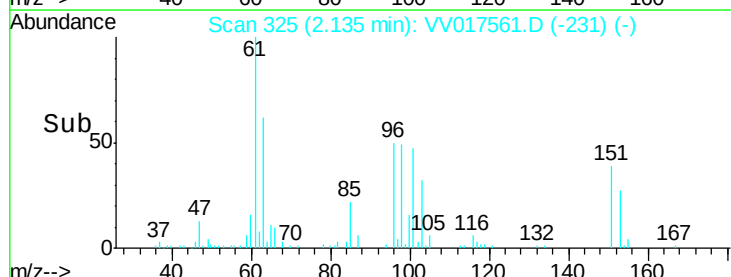
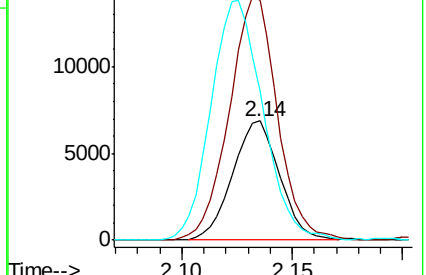
63 125.1 89.0 165.4

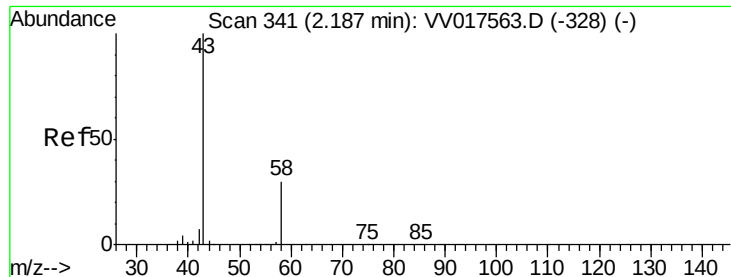


Abundance Ion 96.00 (95.70 to 96.70): VV017561.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017561.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017561.D (-231) (-)





#13

Acetone

Concen: 11.269 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

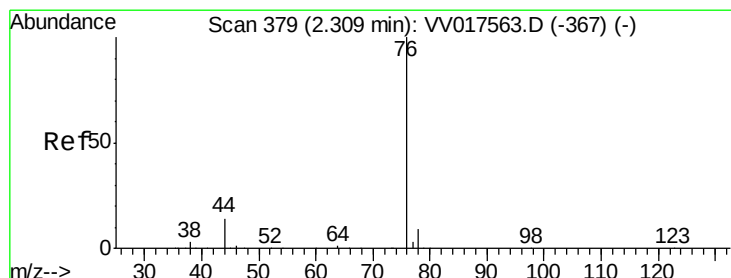
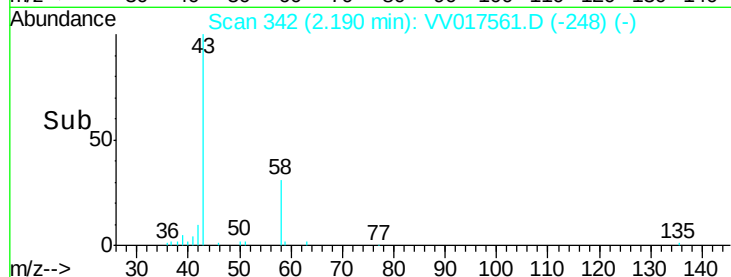
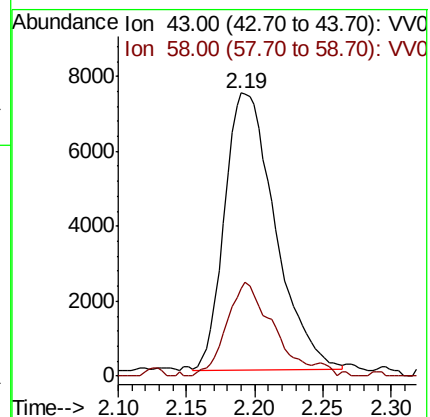
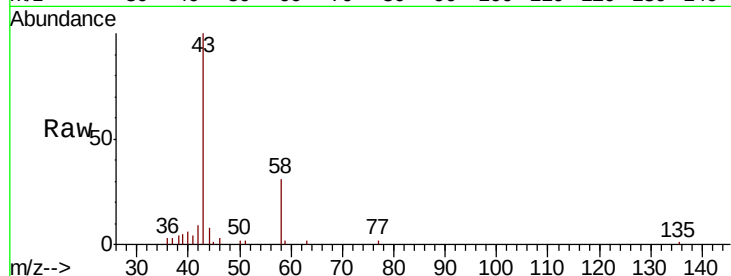
VSTD00566

Tot Ion: 43 Resp: 19104

Ion Ratio Lower Upper

43 100

58 30.6 0.0 58.0



#14

Carbon disulfide

Concen: 6.078 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017561.D

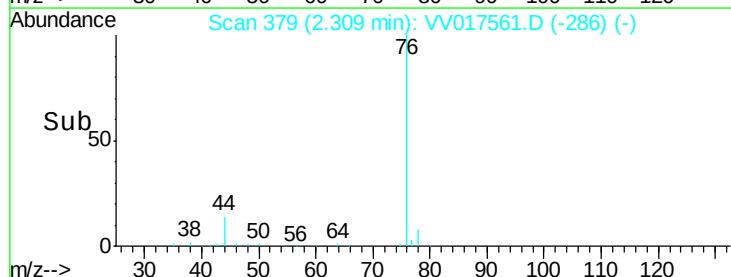
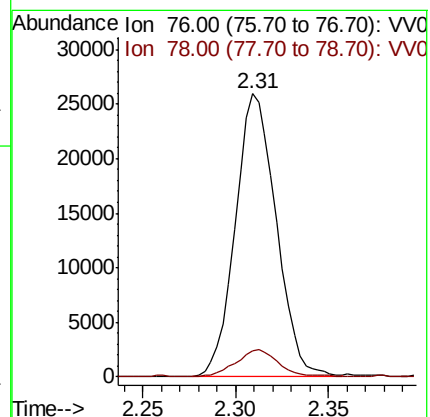
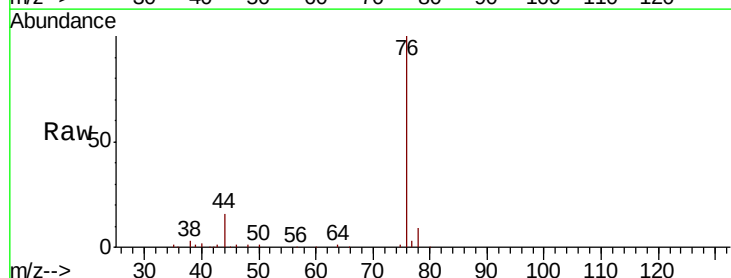
Acq: 21 Jul 2020 13:29

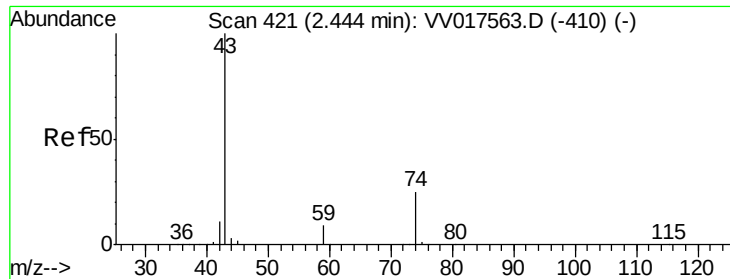
Tgt Ion: 76 Resp: 39753

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

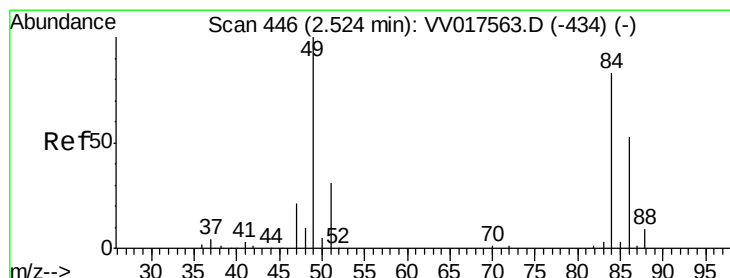
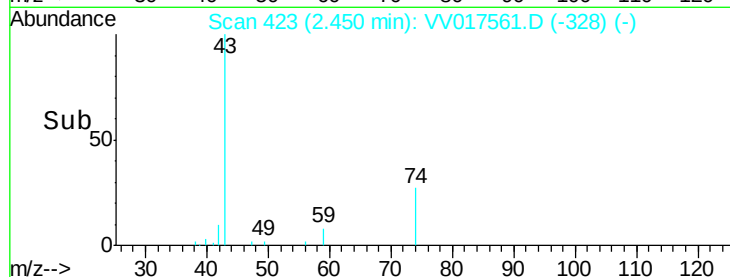
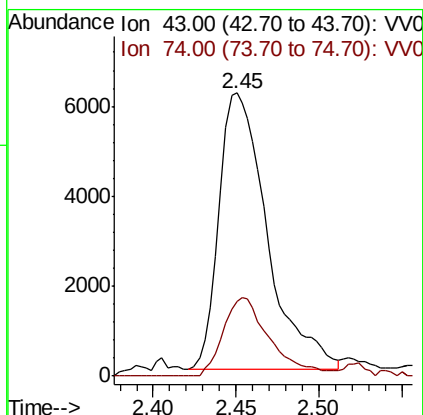
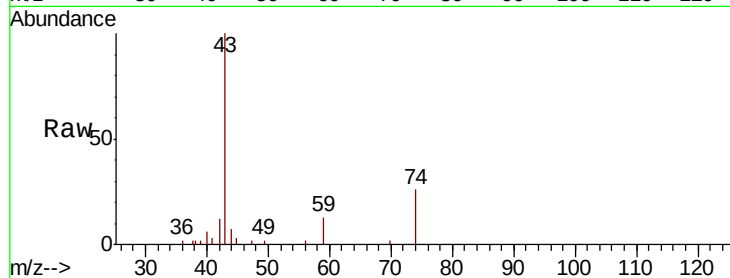




#15
Methyl Acetate
Concen: 4.874 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

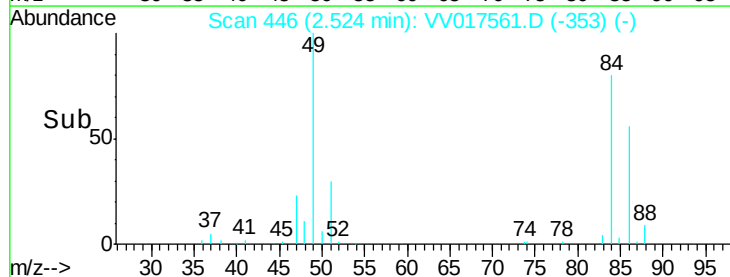
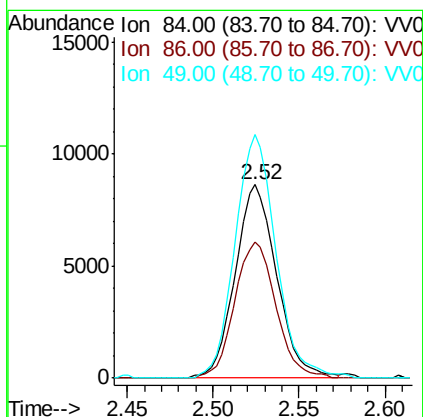
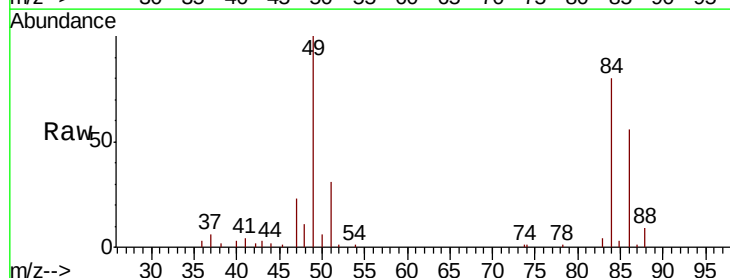
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

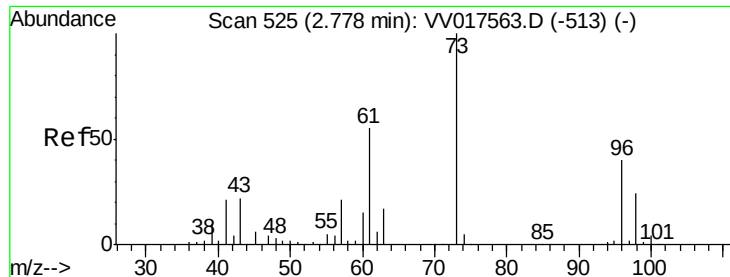
Tot Ion: 43 Resp: 12352
Ion Ratio Lower Upper
43 100
74 27.6 19.5 29.3



#16
Methylene chloride
Concen: 5.447 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Tgt Ion: 84 Resp: 14475
Ion Ratio Lower Upper
84 100
86 70.0 44.5 82.7
49 125.7 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 5.959 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampled :

VSTD00566

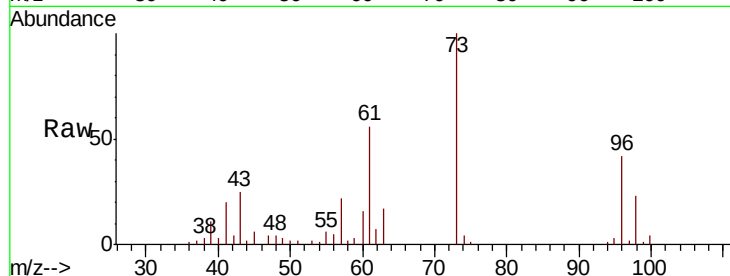
Tot Ion: 96 Resp: 13794

Ion Ratio Lower Upper

96 100

61 133.6 97.0 180.2

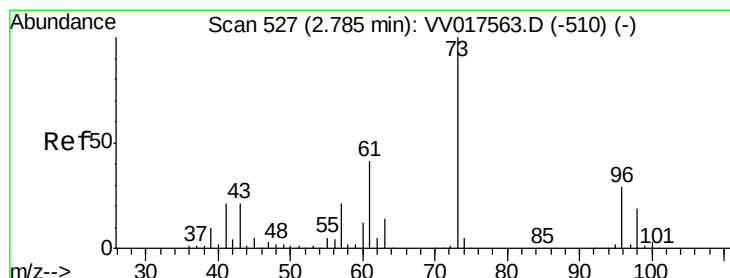
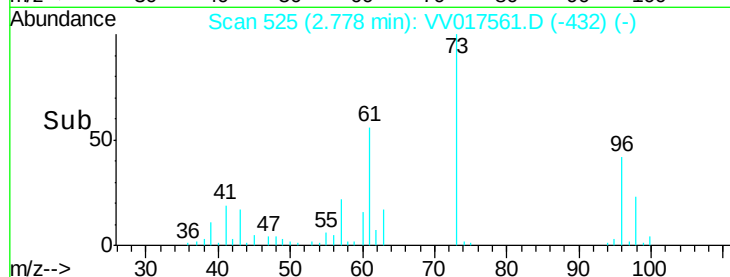
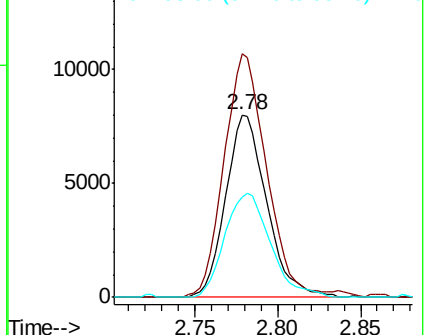
98 55.3 42.6 79.0



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: 5.426 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

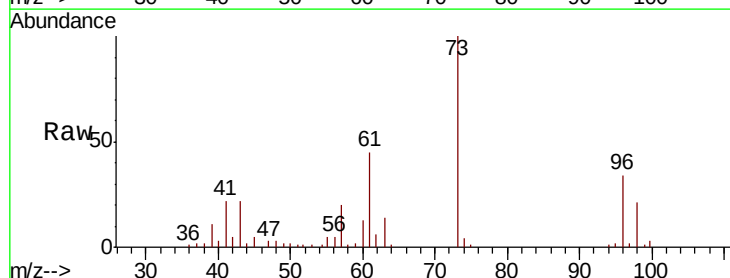
Tgt Ion: 73 Resp: 44183

Ion Ratio Lower Upper

73 100

43 22.7 17.3 25.9

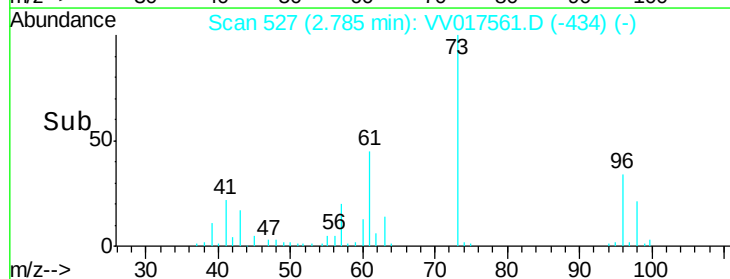
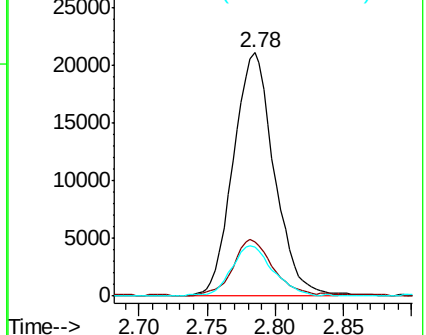
57 20.7 16.8 25.2

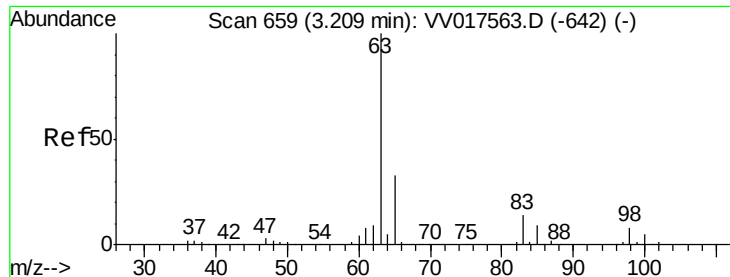


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

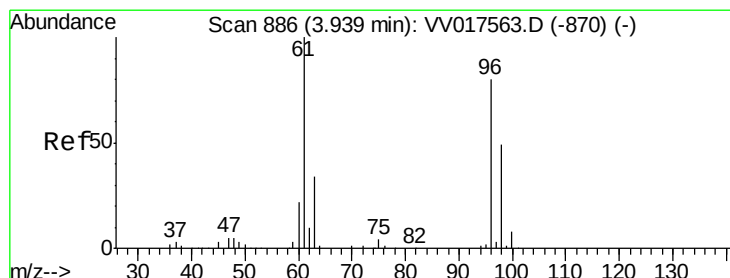
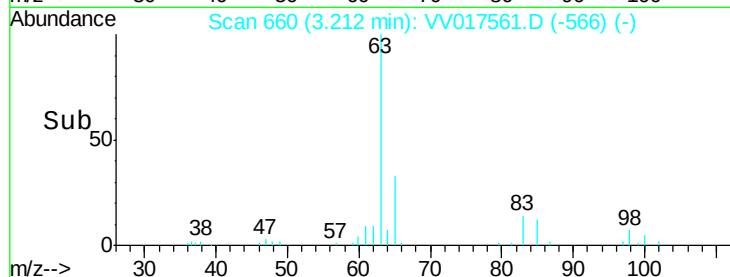
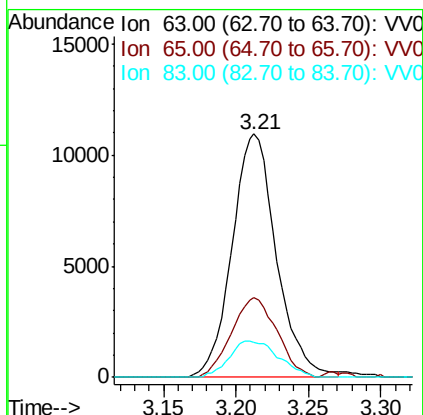
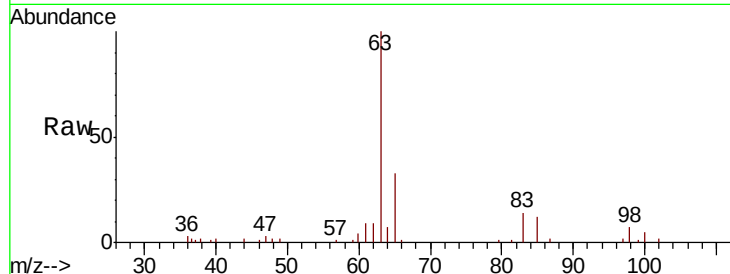




#19
 1,1-Dichloroethane
 Concen: 5.417 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

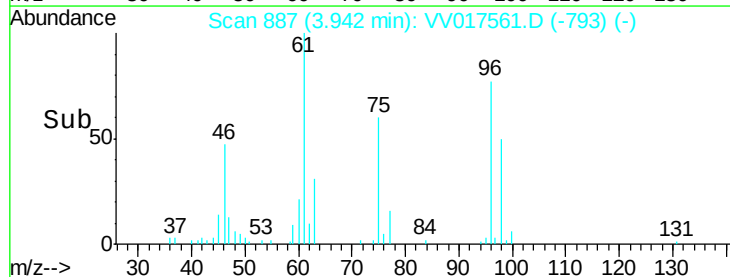
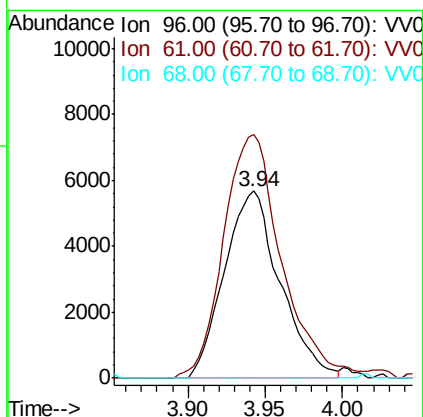
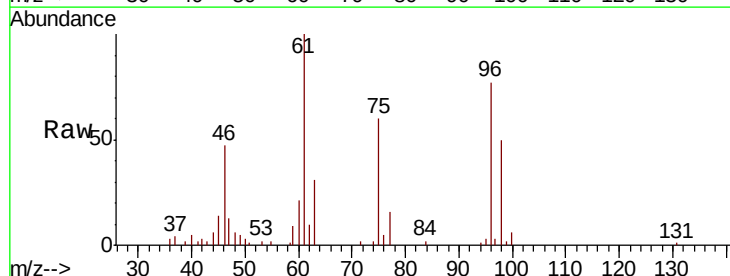
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

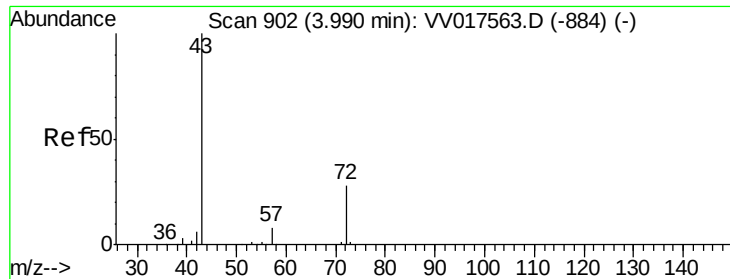
Tot Ion: 63 Resp: 23191
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.0 42.8
 83 14.4 9.9 18.5



#20
 cis-1,2-Dichloroethene
 Concen: 5.668 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion: 96 Resp: 14245
 Ion Ratio Lower Upper
 96 100
 61 130.3 87.8 163.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.748 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.02 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

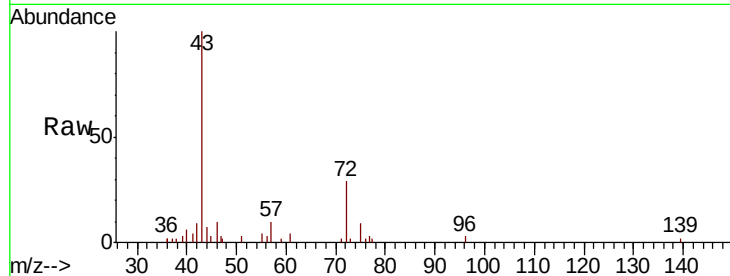
VSTD00566

Tot Ion: 43 Resp: 15868

Ion Ratio Lower Upper

43 100

72 18.7 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017563.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017563.D (-884) (-)

4.01

6000

5000

4000

3000

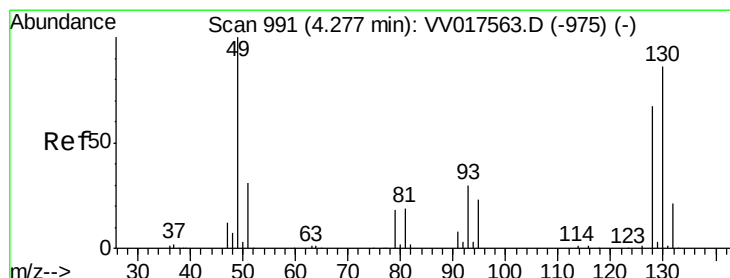
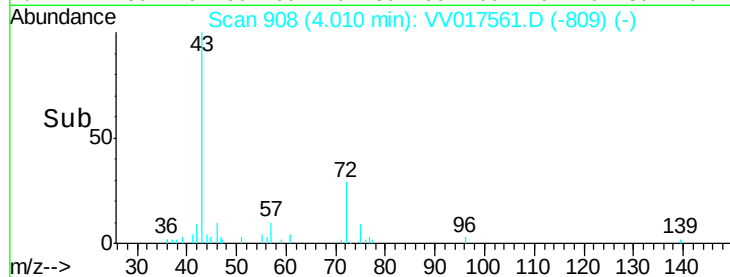
2000

1000

0

Time-->

3.95 4.00 4.05 4.10



#23

Bromochloromethane

Concen: 5.765 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Tgt Ion: 128 Resp: 8037

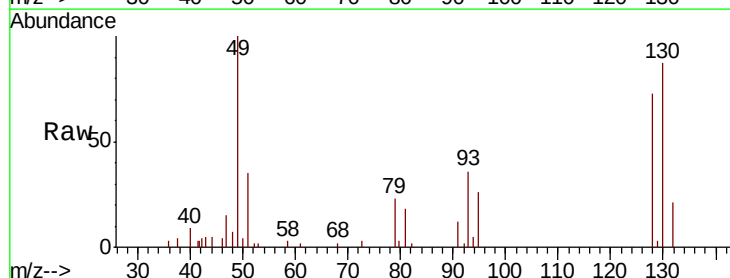
Ion Ratio Lower Upper

128 100

49 137.3 103.7 192.7

130 119.8 89.4 166.0

51 47.6 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV017563.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017563.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017563.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017563.D (-975) (-)

6000

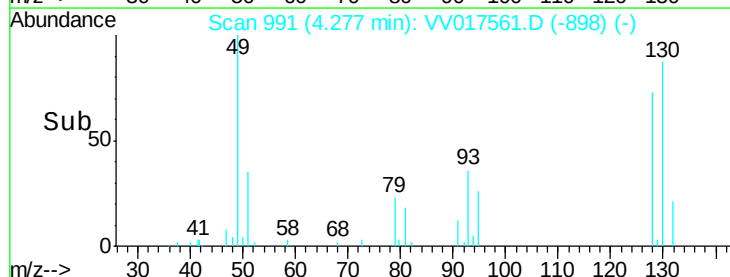
4000

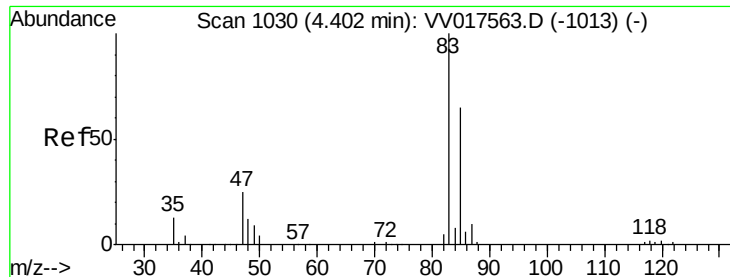
2000

0

Time-->

4.20 4.25 4.30 4.35

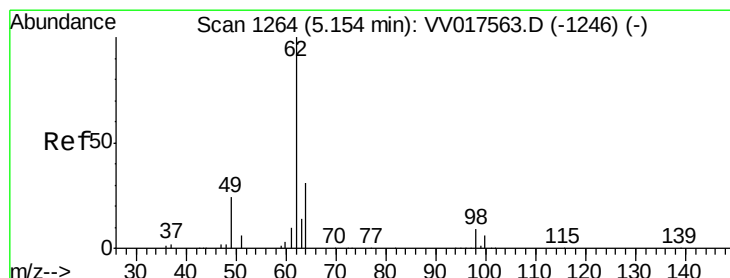
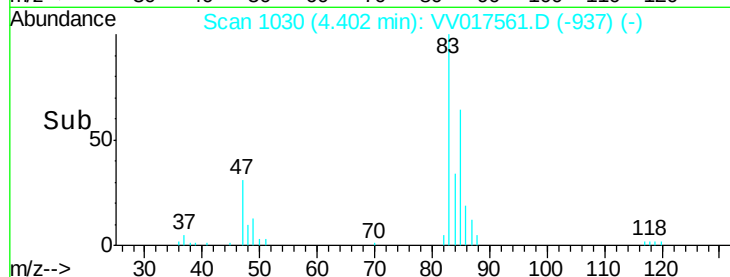
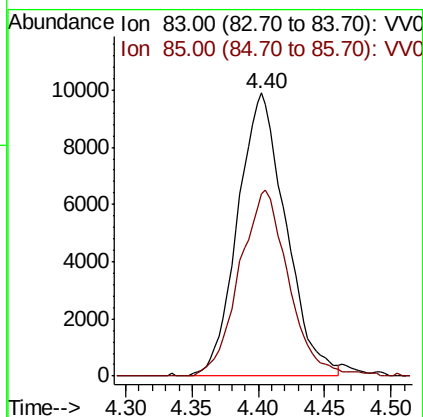
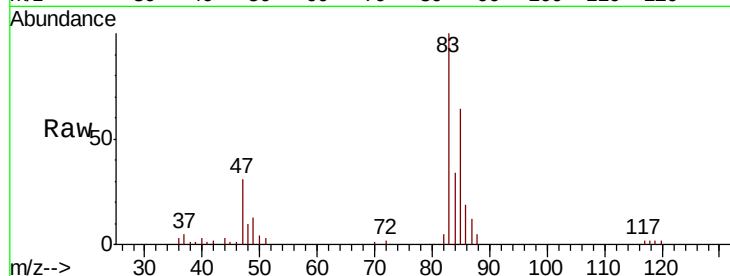




#25
Chloroform
Concen: 5.276 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

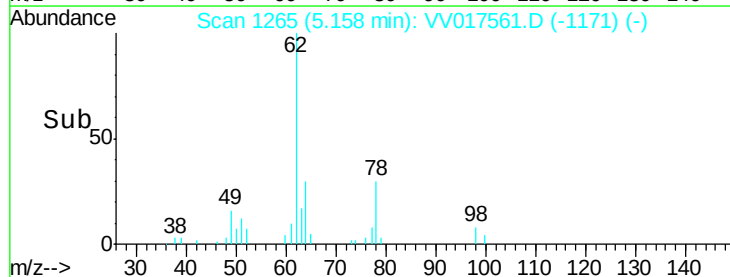
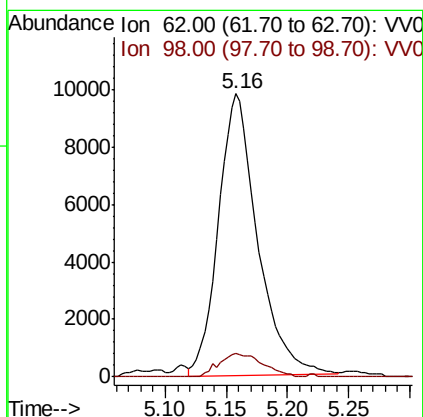
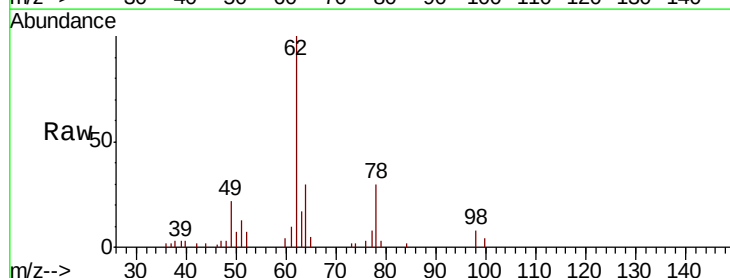
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

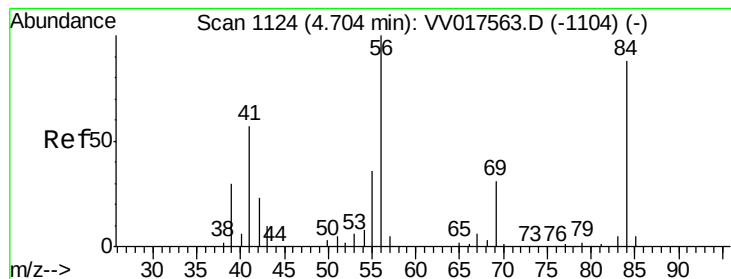
Tot Ion: 83 Resp: 24960
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.420 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Tgt Ion: 62 Resp: 21917
Ion Ratio Lower Upper
62 100
98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 6.394 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleID :

VSTD00566

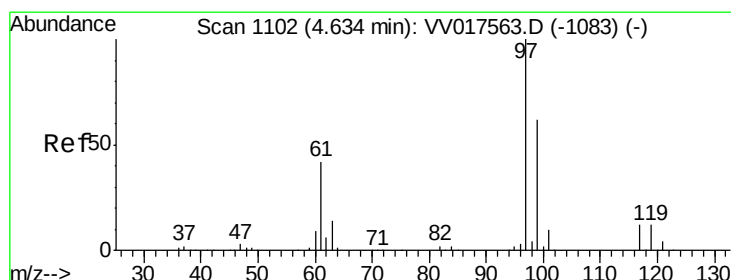
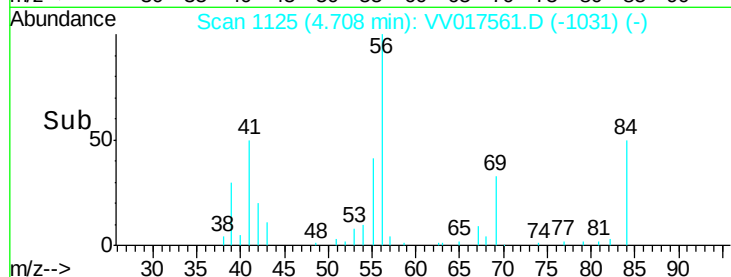
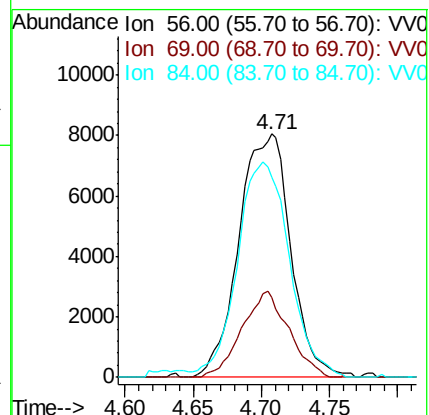
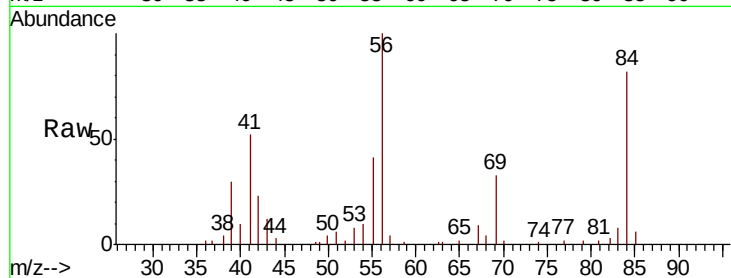
Tot Ion: 56 Resp: 21167

Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

84 88.9 70.6 105.8



#30

1,1,1-Trichloroethane

Concen: 5.397 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

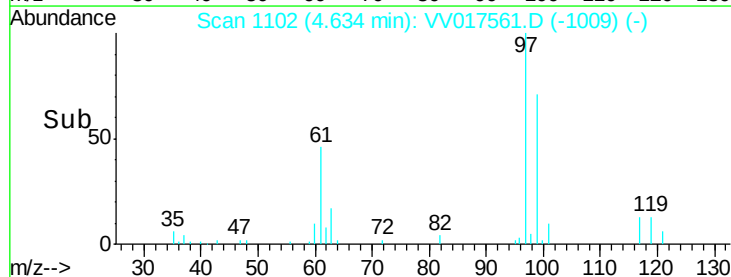
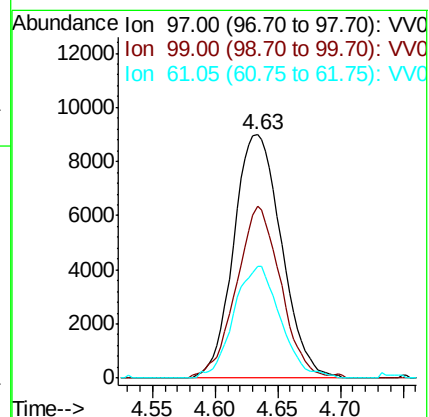
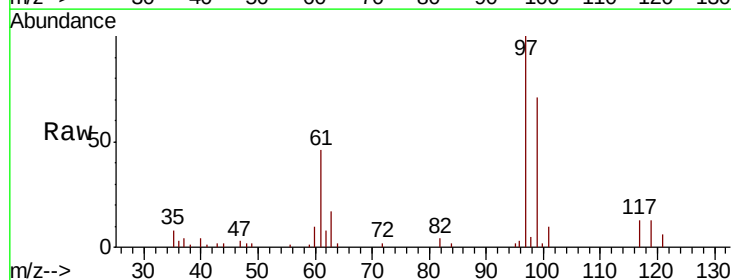
Tgt Ion: 97 Resp: 23816

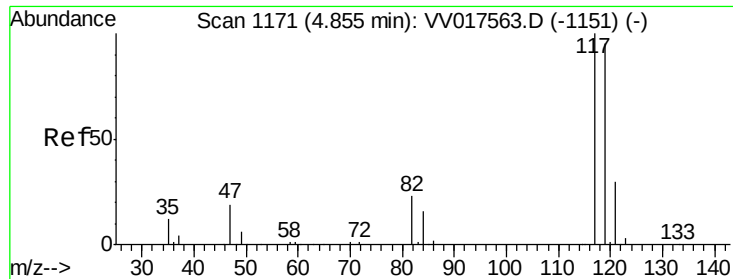
Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.4

61 44.5 34.1 51.1





#31

Carbon tetrachloride

Concen: 5.251 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

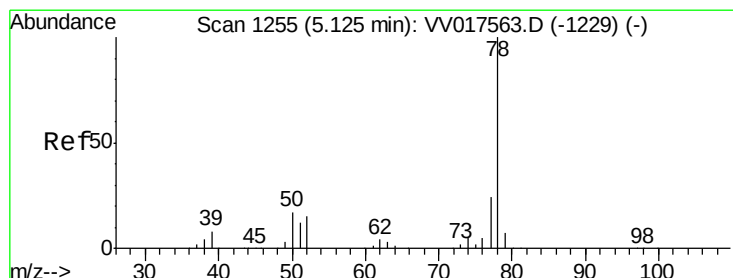
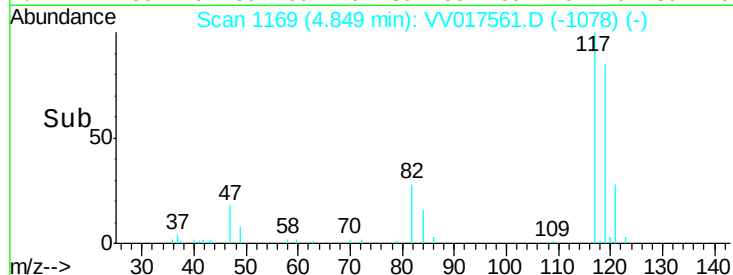
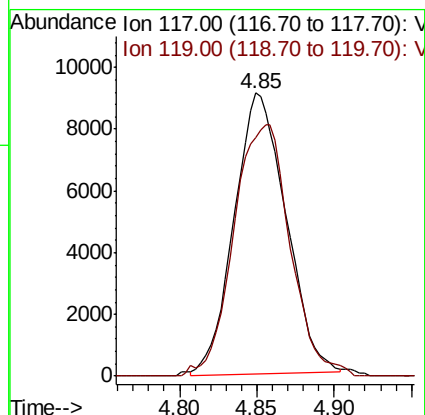
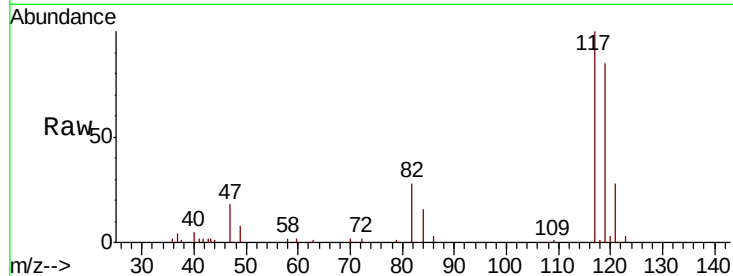
VSTD00566

Tot Ion:117 Resp: 21201

Ion Ratio Lower Upper

117 100

119 96.6 78.2 117.2



#33

Benzene

Concen: 5.862 ug/L

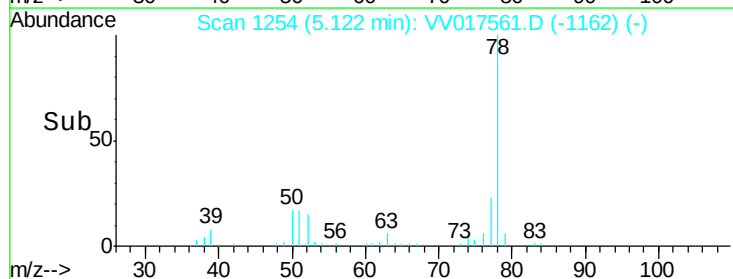
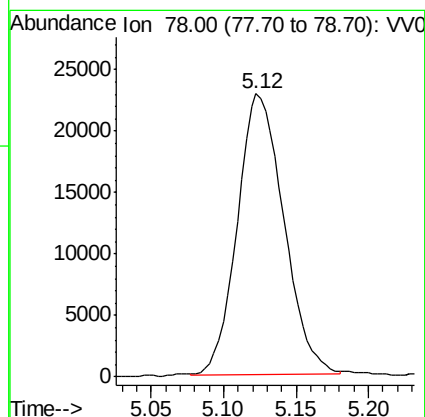
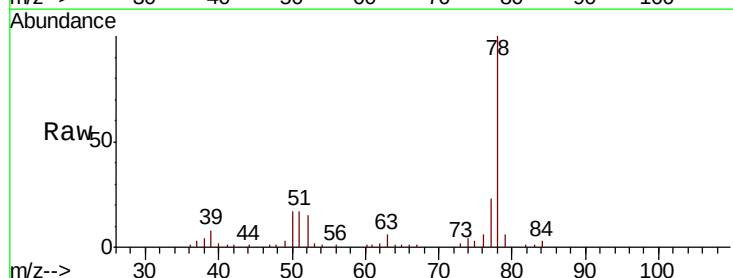
RT: 5.12 min Scan# 1254

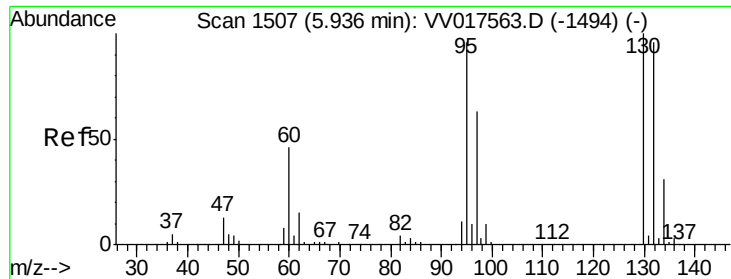
Delta R.T. -0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Tgt Ion: 78 Resp: 51149

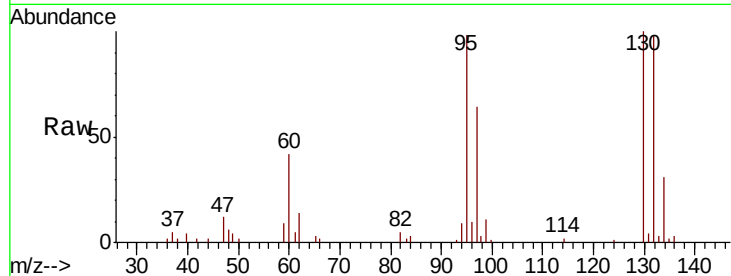




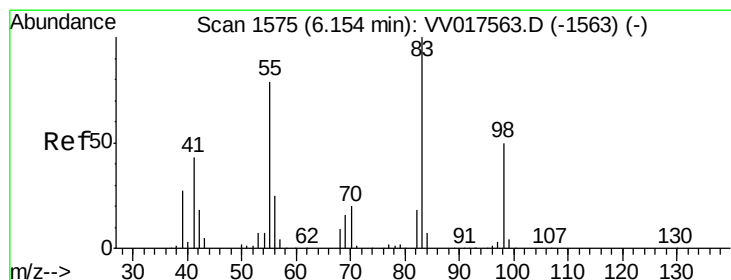
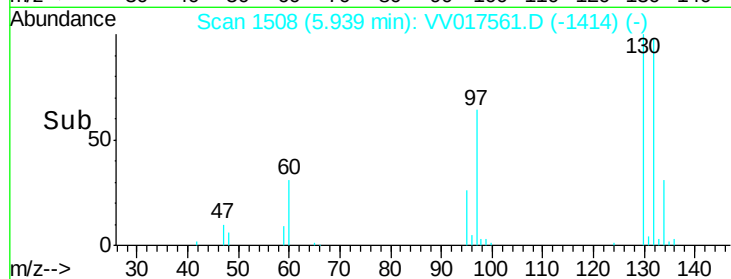
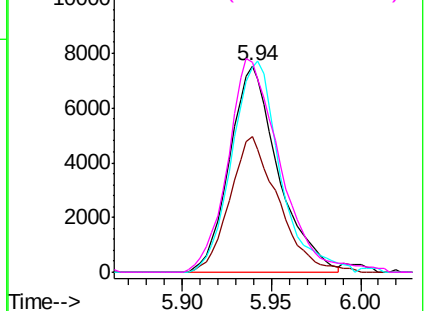
#34
 Trichloroethene
 Concen: 5.974 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tot Ion: 95 Resp: 14332
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.8 85.2
 132 99.4 70.3 130.5
 130 101.9 72.9 135.3

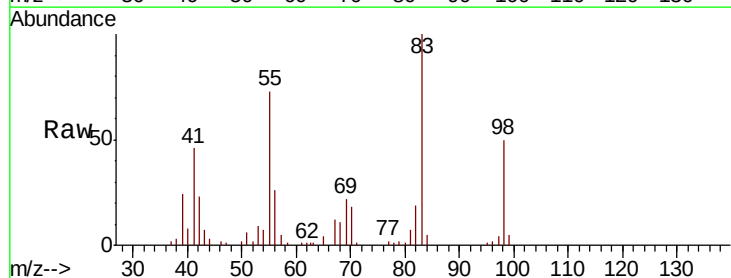


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

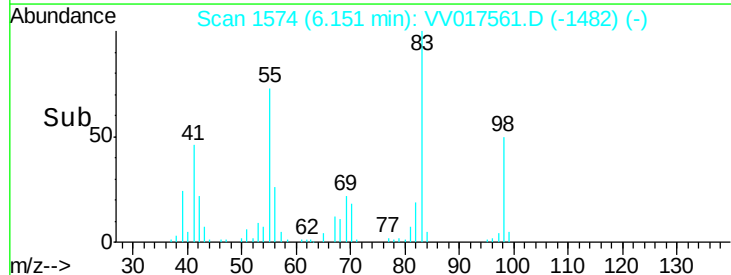
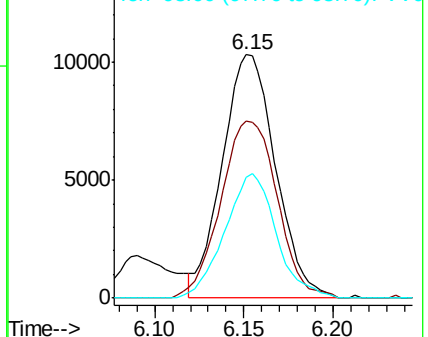


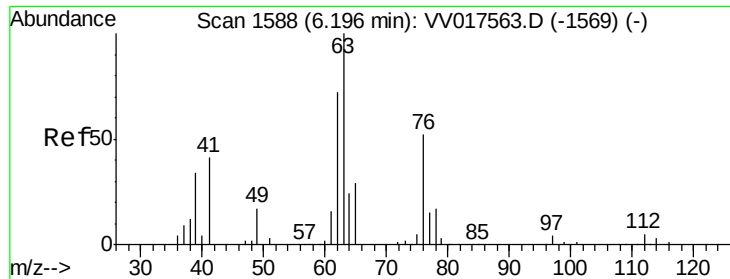
#35
 Methylcyclohexane
 Concen: 6.003 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion: 83 Resp: 21547
 Ion Ratio Lower Upper
 83 100
 55 77.1 61.7 92.5
 98 49.3 39.3 58.9



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

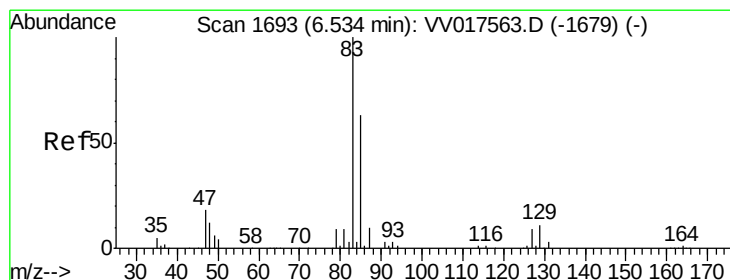
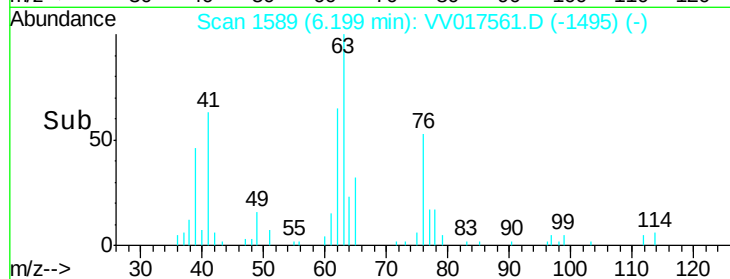
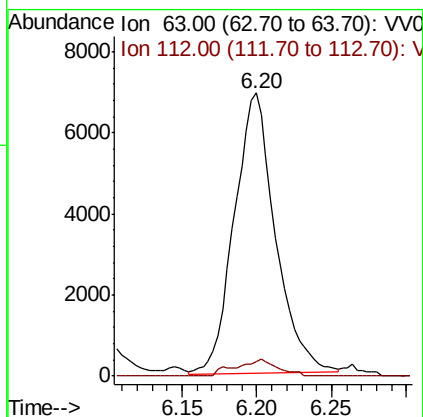
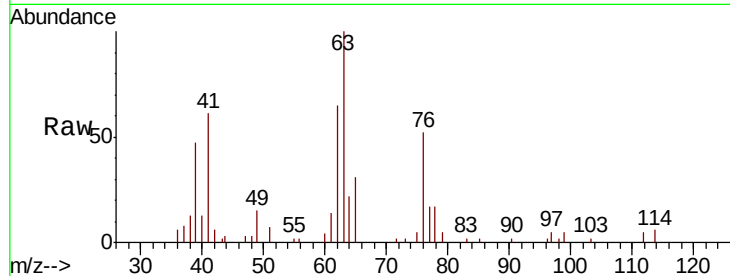




#37
 1,2-Dichloropropane
 Concen: 5.986 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

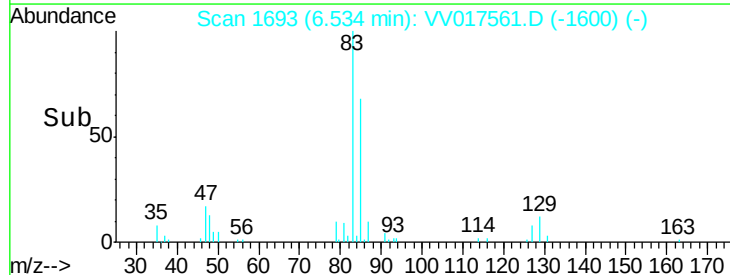
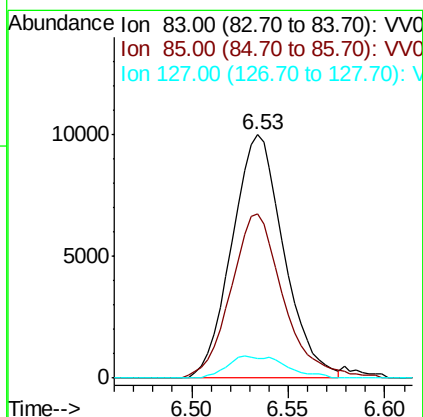
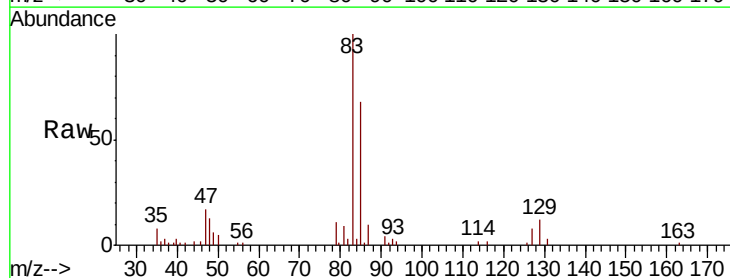
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

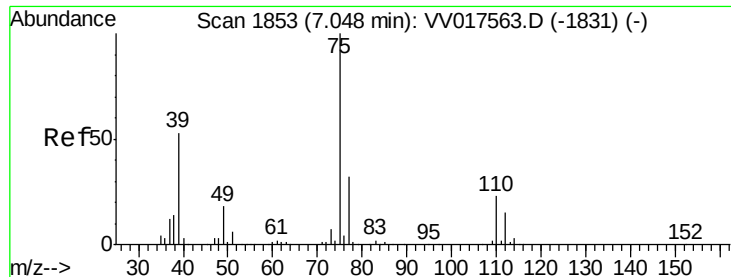
Tot Ion: 63 Resp: 13290
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 5.295 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion: 83 Resp: 18578
 Ion Ratio Lower Upper
 83 100
 85 67.6 44.4 82.4
 127 7.9 7.4 11.2

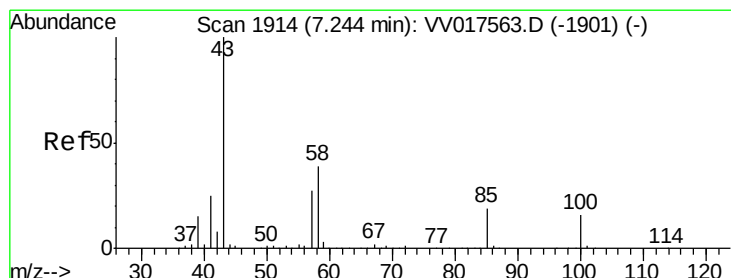
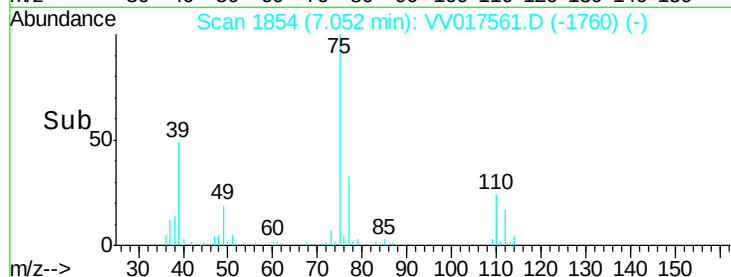
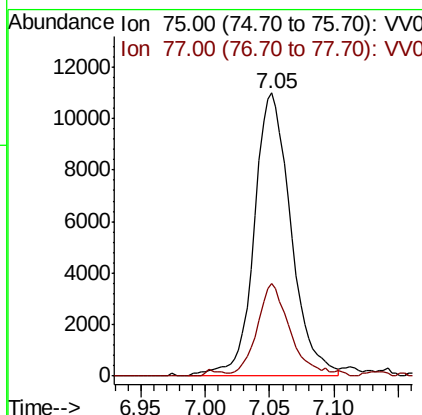
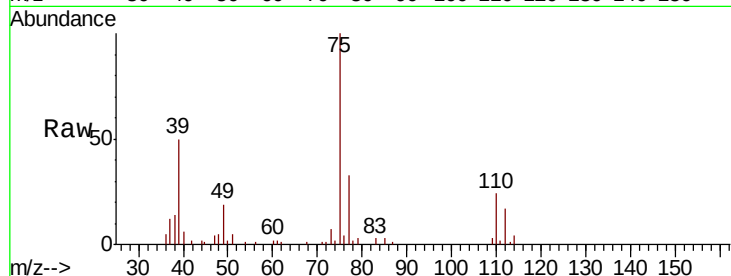




#39
 cis-1,3-Dichloropropene
 Concen: 5.909 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

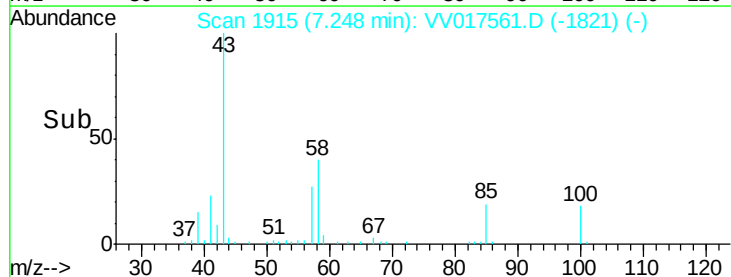
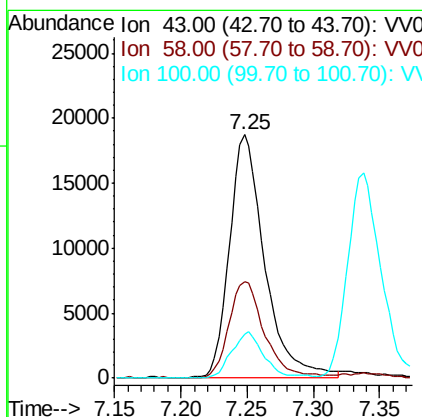
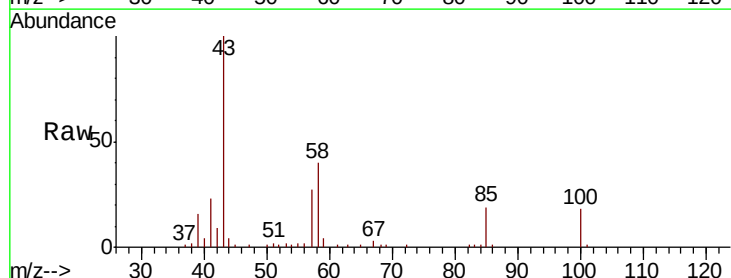
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

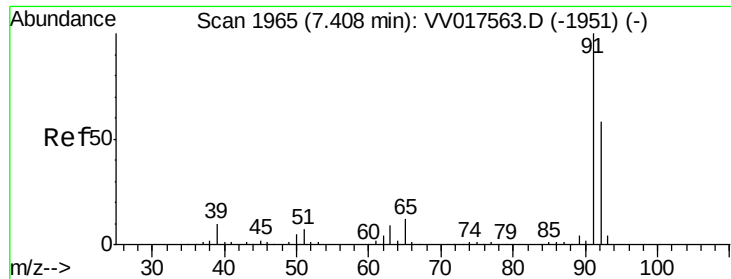
Tot Ion: 75 Resp: 21917
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 11.266 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion: 43 Resp: 34648
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.5 47.3
 100 16.9 13.3 19.9





#42

Toluene

Concen: 5.740 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

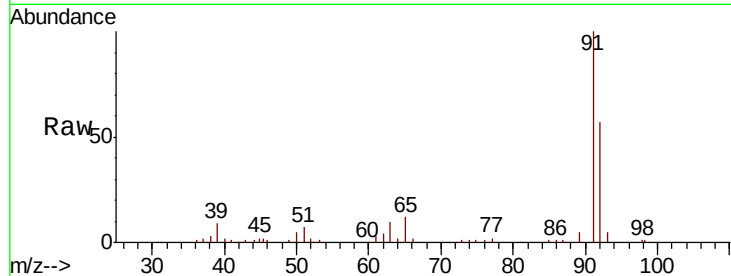
VSTD00566

Tot Ion: 91 Resp: 55234

Ion Ratio Lower Upper

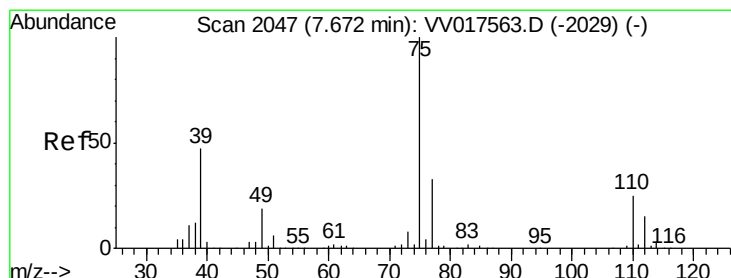
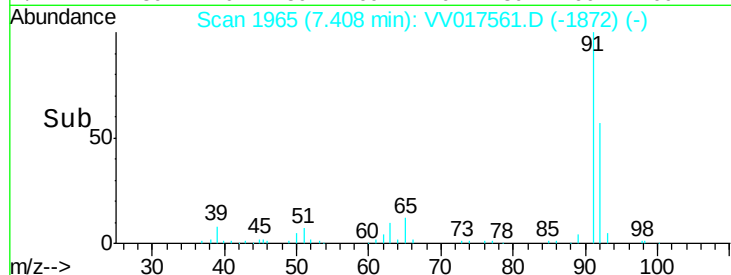
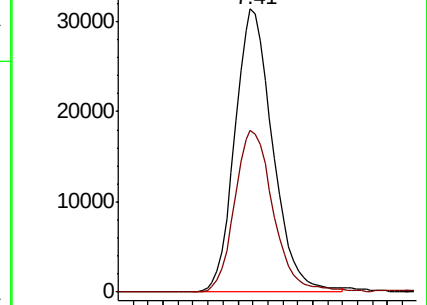
91 100

92 56.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV017561.D (-1872) (-)

Ion 92.00 (91.70 to 92.70): VV017561.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.336 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017561.D

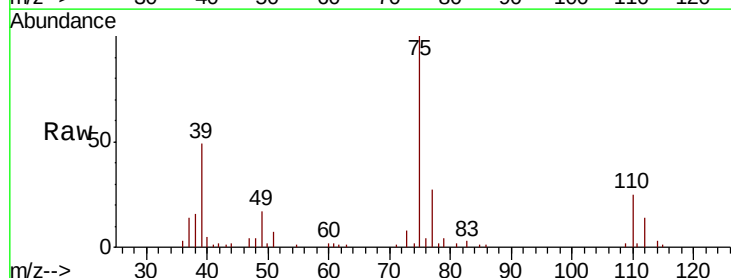
Acq: 21 Jul 2020 13:29

Tgt Ion: 75 Resp: 20671

Ion Ratio Lower Upper

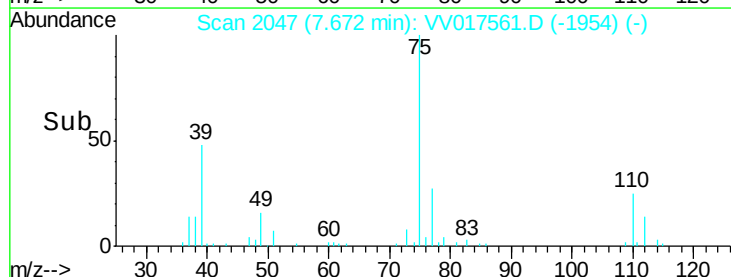
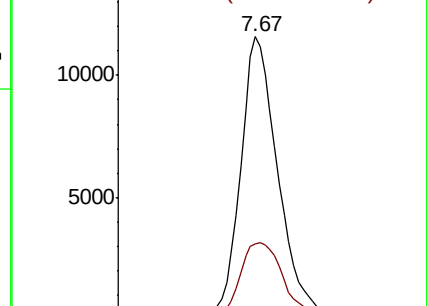
75 100

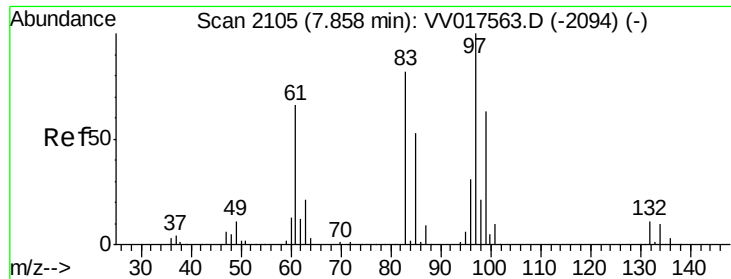
77 27.0 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV017561.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV017561.D (-1954) (-)

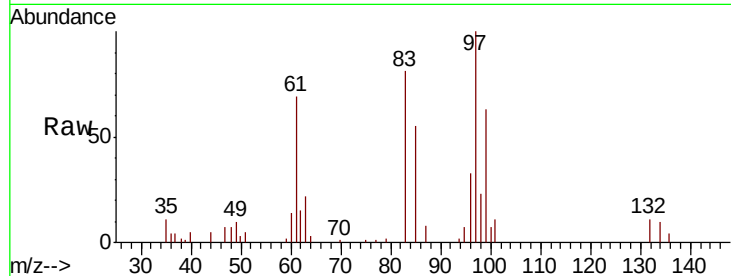




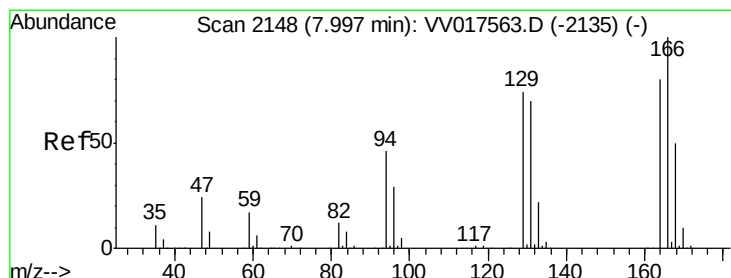
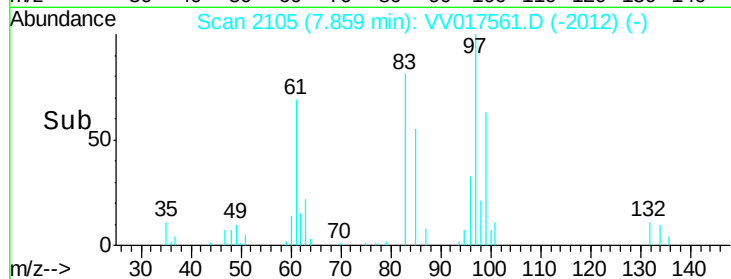
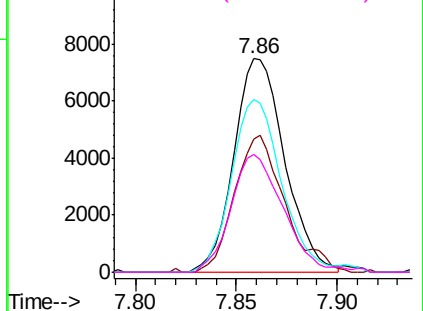
#45
1,1,2-Trichloroethane
Concen: 5.581 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tot Ion:	97	Resp:	13270
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.0
83	80.7	57.9	107.5
85	55.4	37.5	69.7

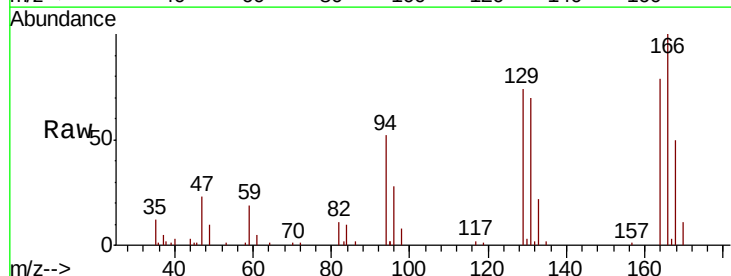


Abundance Ion 97.00 (96.70 to 97.70): VV017561.D (-2012) (-)

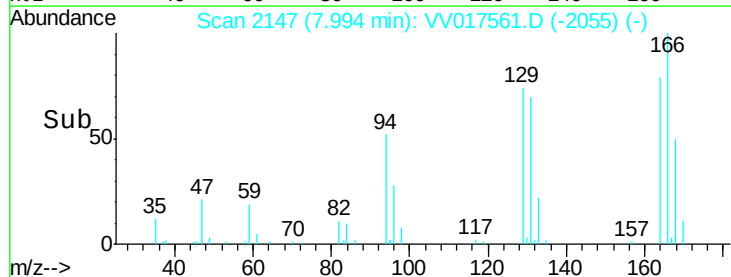
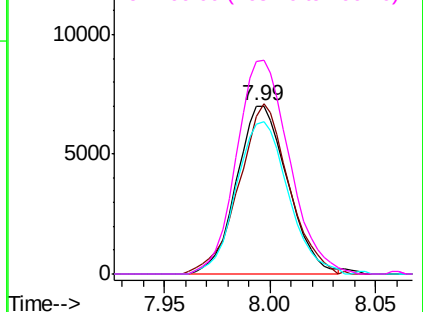


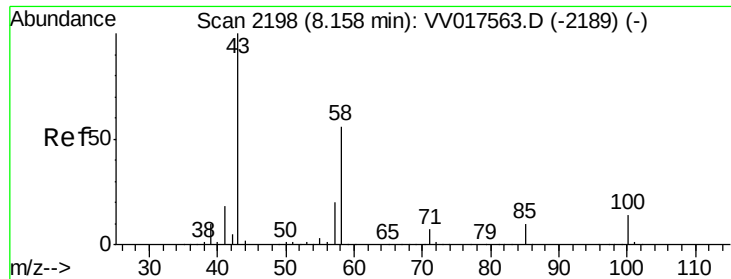
#46
Tetrachloroethene
Concen: 5.659 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Tgt Ion:	164	Resp:	11798
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.3	119.5
131	88.9	61.5	114.1
166	126.3	87.2	162.0



Abundance Ion 164.00 (163.70 to 164.70): VV017561.D (-2055) (-)

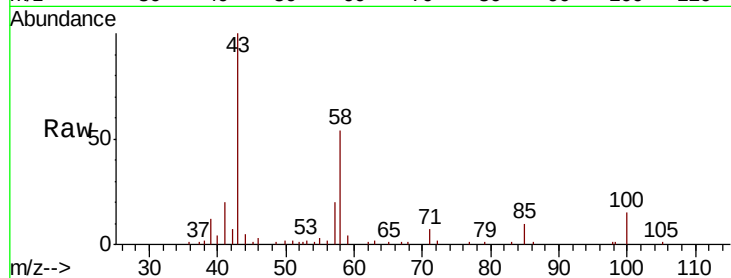




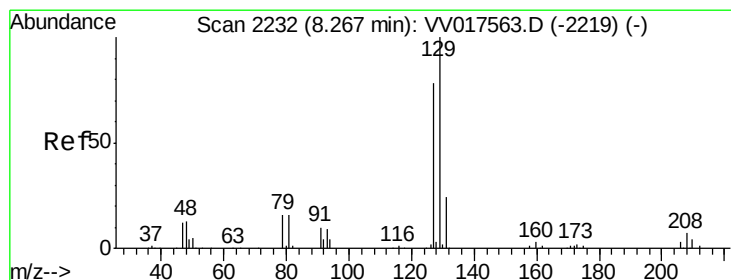
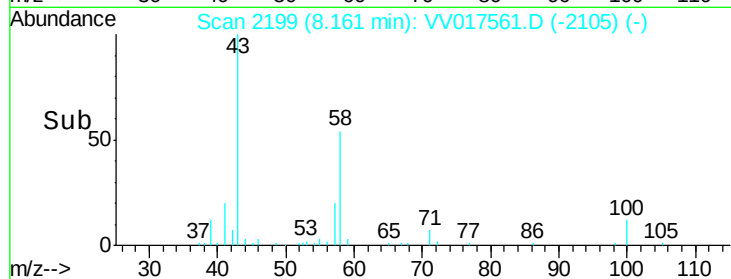
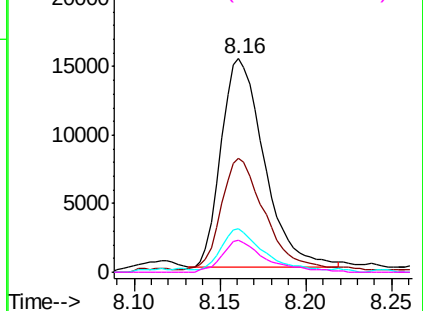
#48
2-Hexanone
Concen: 10.960 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tot Ion: 43 Resp: 26884
Ion Ratio Lower Upper
43 100
58 56.5 44.3 66.5
57 21.0 16.9 25.3
100 15.4 11.0 16.4

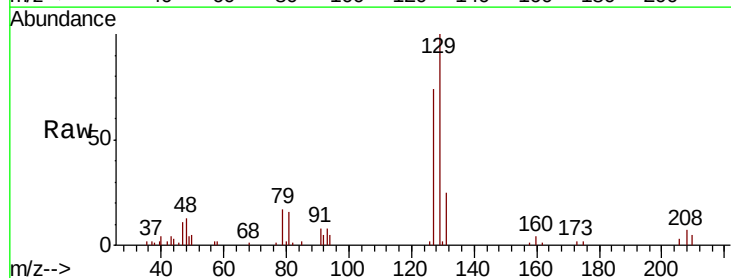


Abundance Ion 43.00 (42.70 to 43.70): VV017561.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017561.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017561.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017561.D (-2105) (-)

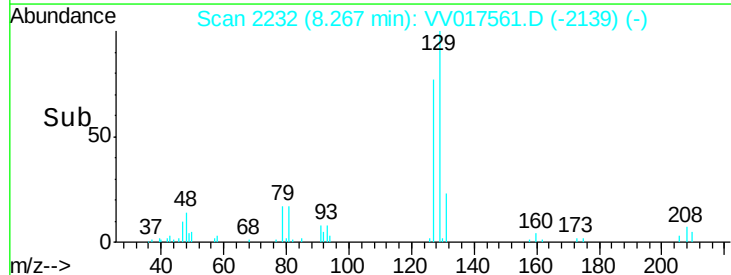
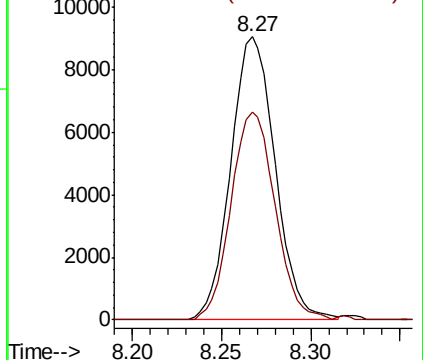


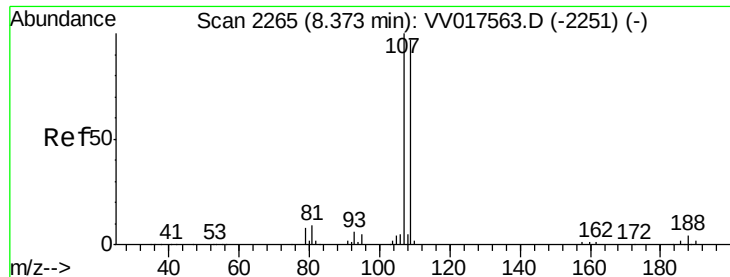
#49
Dibromochloromethane
Concen: 5.305 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Tgt Ion: 129 Resp: 15689
Ion Ratio Lower Upper
129 100
127 73.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV017561.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017561.D (-2139) (-)

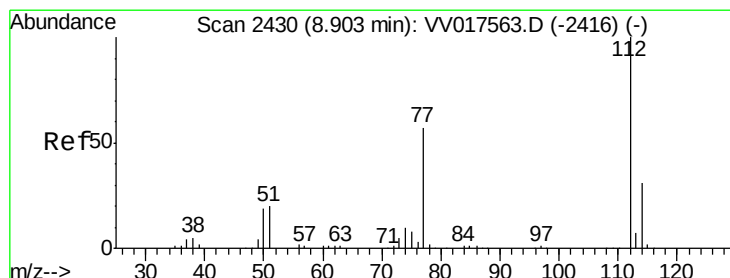
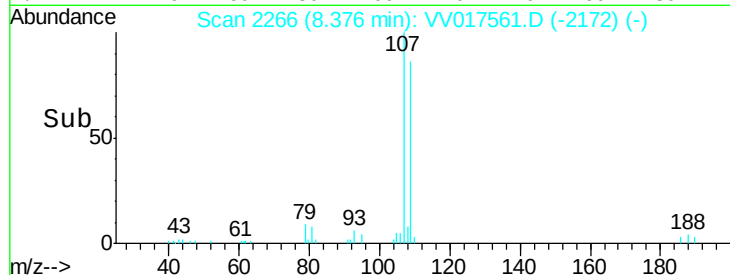
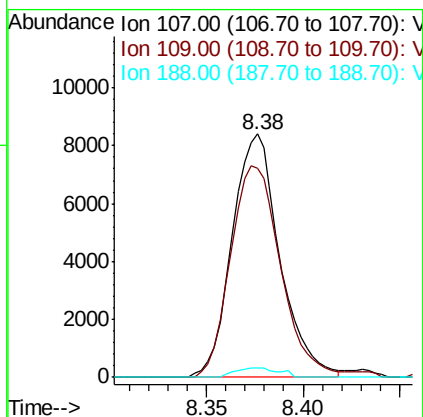
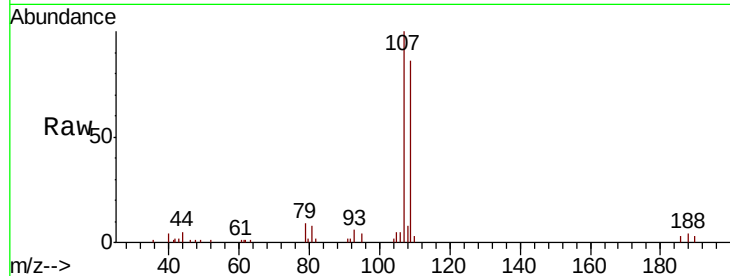




#50
 1,2-Dibromoethane
 Concen: 5.565 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

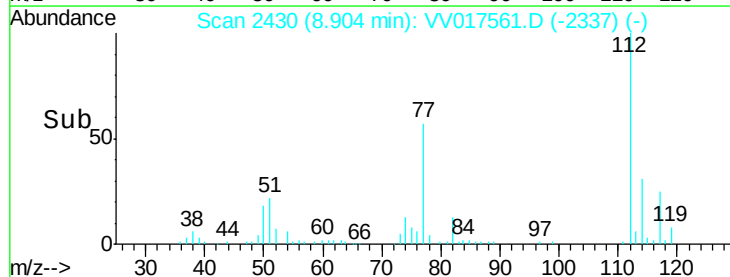
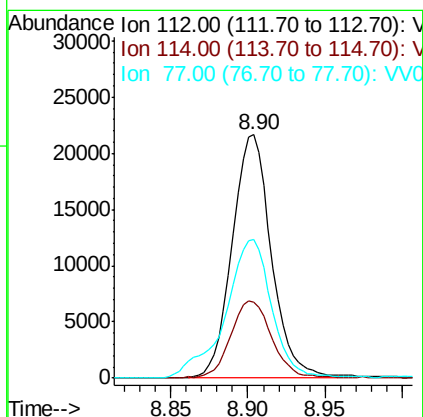
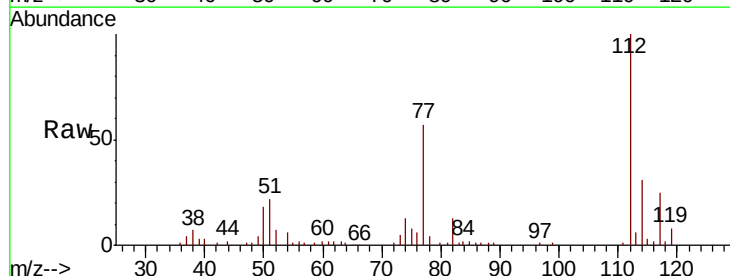
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00566

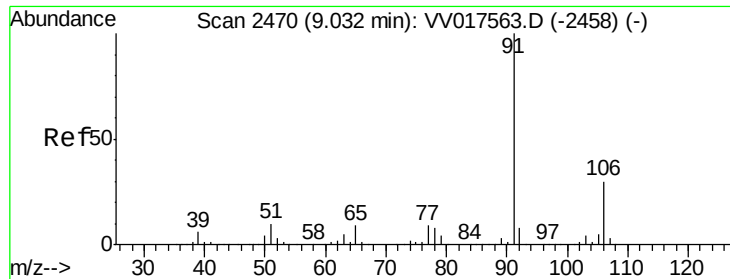
Tot Ion:107 Resp: 14397
 Ion Ratio Lower Upper
 107 100
 109 86.1 67.7 125.7
 188 4.1 3.5 5.3



#51
 Chlorobenzene
 Concen: 5.679 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion:112 Resp: 38068
 Ion Ratio Lower Upper
 112 100
 114 31.2 21.9 40.7
 77 56.9 46.1 69.1





#52

Ethylbenzene

Concen: 5.403 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

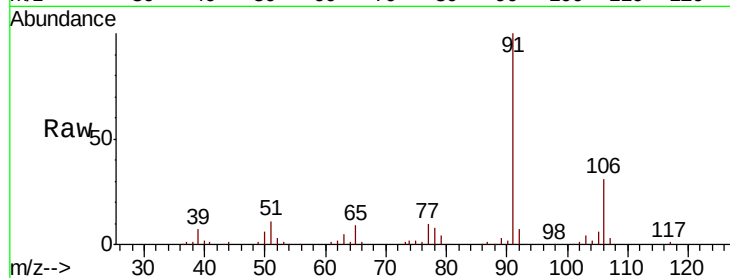
VSTD00566

Tot Ion: 91 Resp: 60777

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV017561.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017561.D (-2377) (-)

9.03

40000

30000

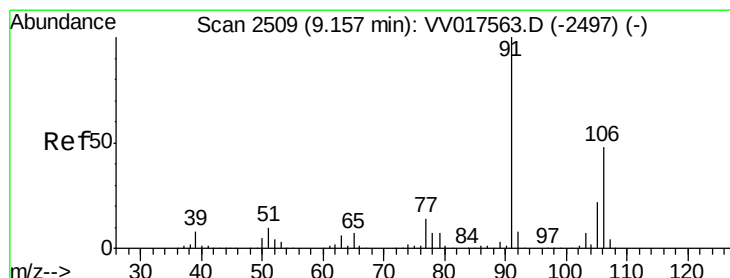
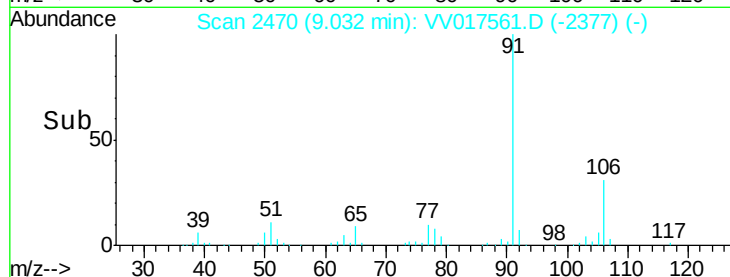
20000

10000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 5.466 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017561.D

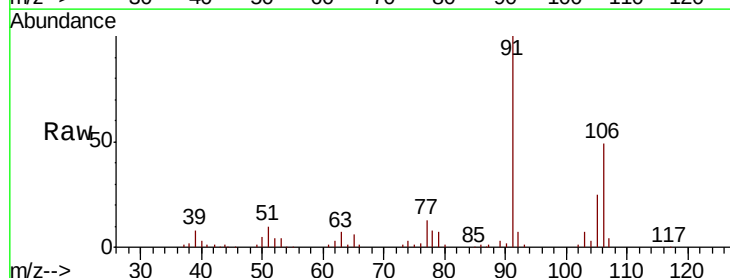
Acq: 21 Jul 2020 13:29

Tgt Ion: 106 Resp: 22954

Ion Ratio Lower Upper

106 100

91 204.4 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): VV017561.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017561.D (-2416) (-)

9.16

30000

25000

20000

15000

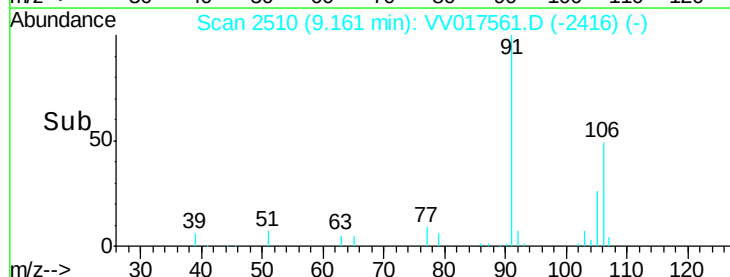
10000

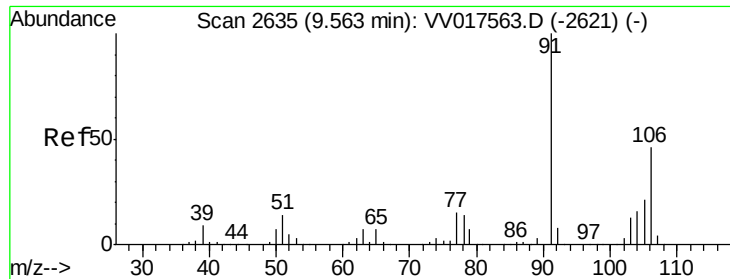
5000

0

9.10 9.15 9.20

Time-->

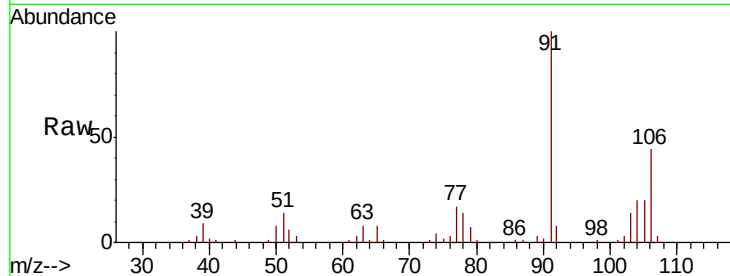




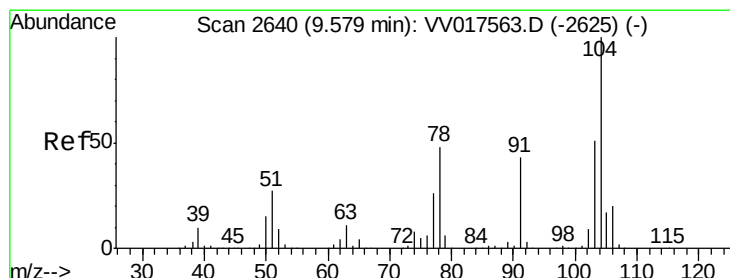
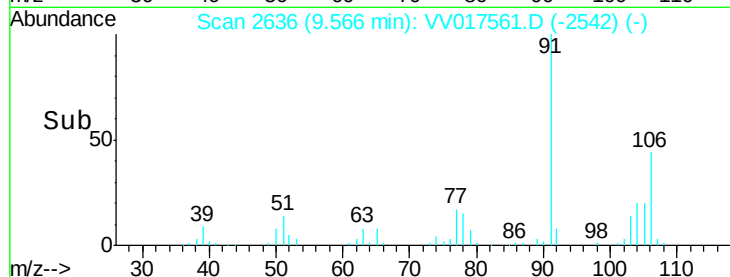
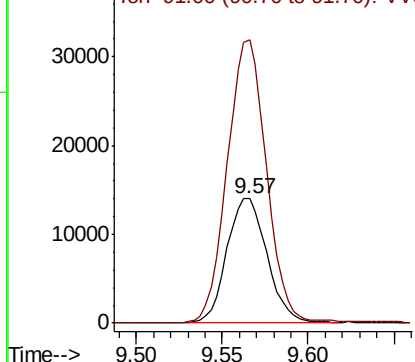
#54
o-xylene
Concen: 5.606 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tot Ion:106 Resp: 22873
Ion Ratio Lower Upper
106 100
91 227.7 153.6 285.2

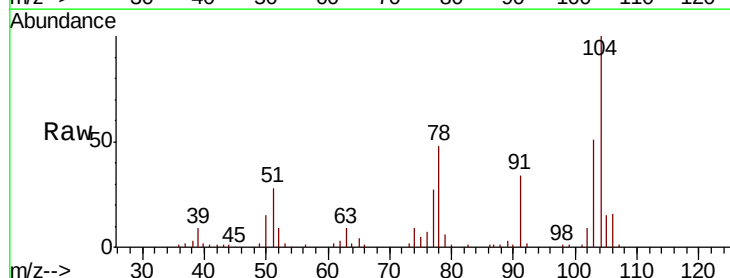


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

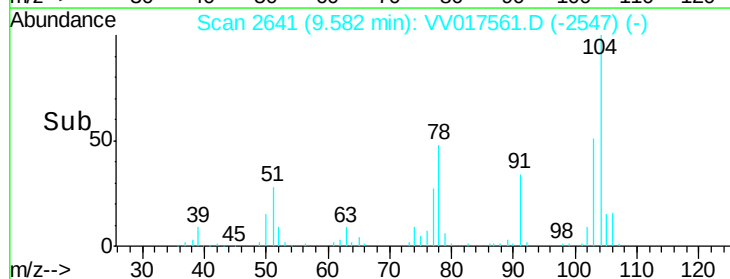
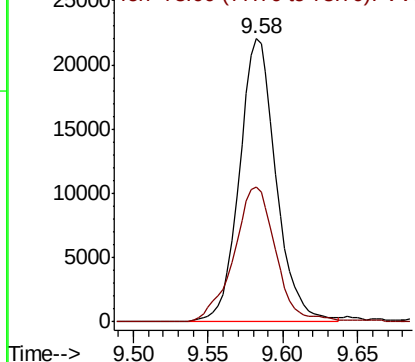


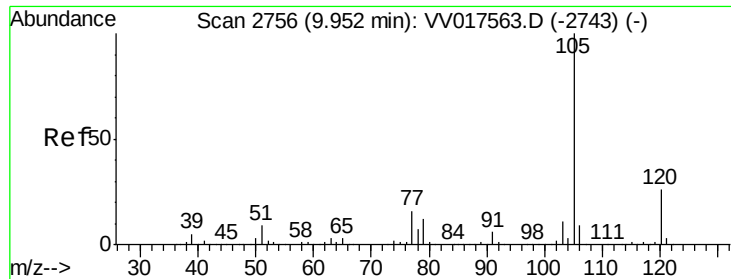
#55
Styrene
Concen: 5.403 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017561.D
Acq: 21 Jul 2020 13:29

Tgt Ion:104 Resp: 37577
Ion Ratio Lower Upper
104 100
78 47.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.419 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

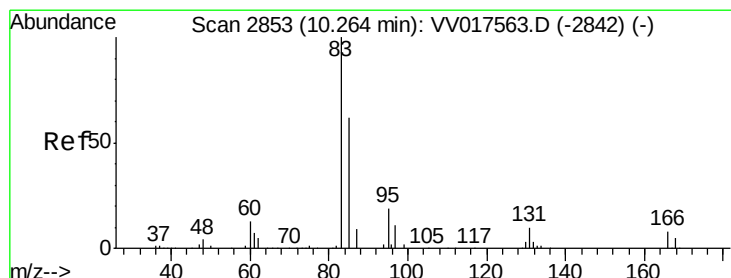
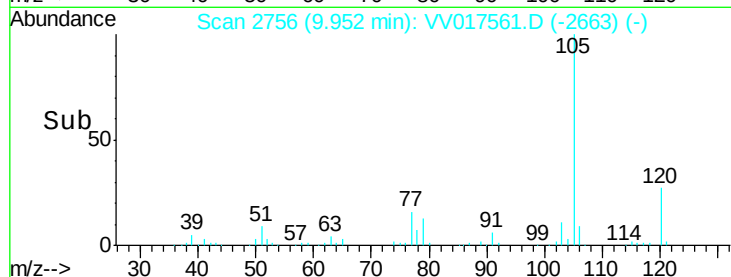
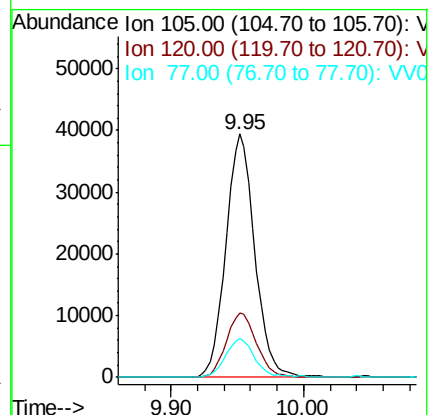
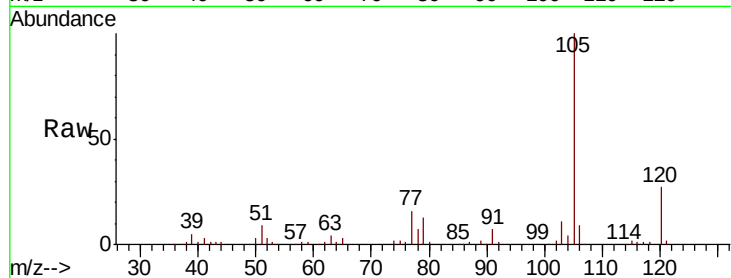
Tot Ion:105 Resp: 59634

Ion Ratio Lower Upper

105 100

120 27.6 20.8 31.2

77 15.8 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.870 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

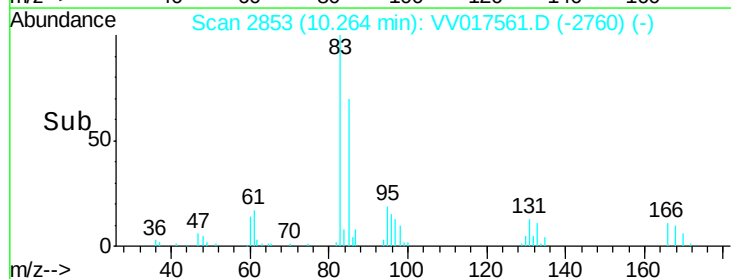
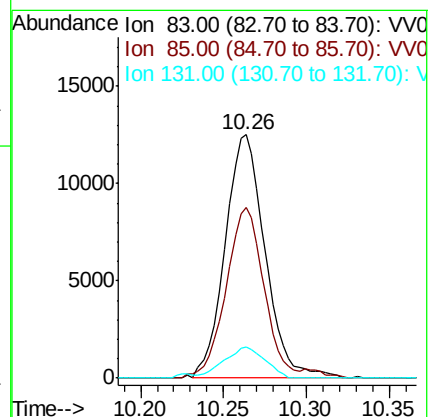
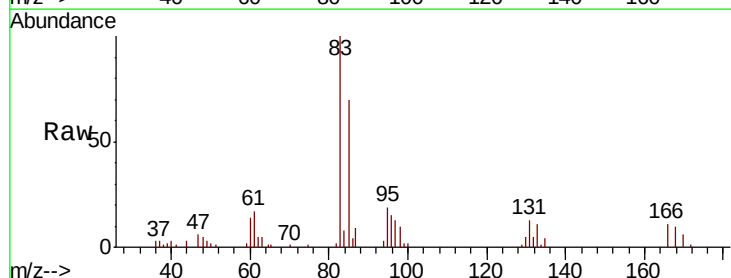
Tgt Ion: 83 Resp: 20940

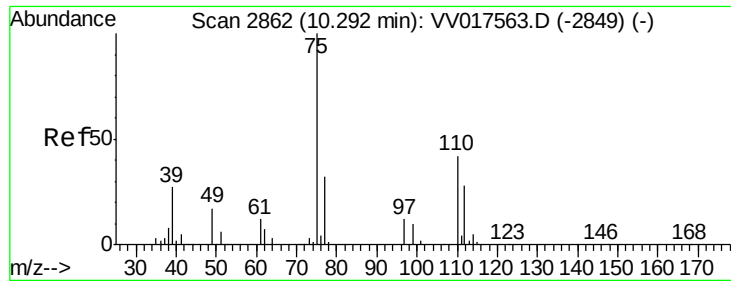
Ion Ratio Lower Upper

83 100

85 70.1 44.5 82.7

131 12.8 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 5.816 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

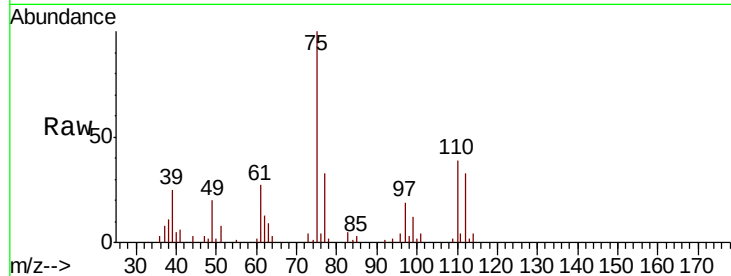
VSTD00566

Tot Ion: 75 Resp: 17654

Ion Ratio Lower Upper

75 100

77 34.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV017563.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-2849) (-)

10.30

12000

10000

8000

6000

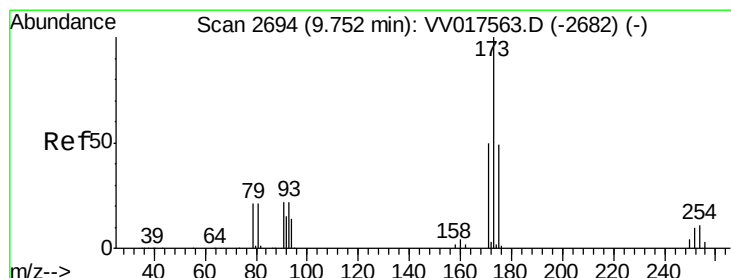
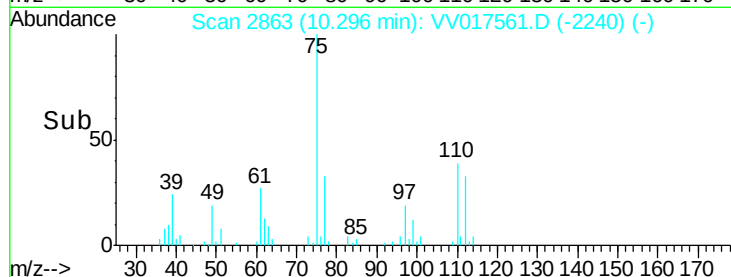
4000

2000

0

10.25 10.30 10.35

Time-->



#61

Bromoform

Concen: 5.364 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

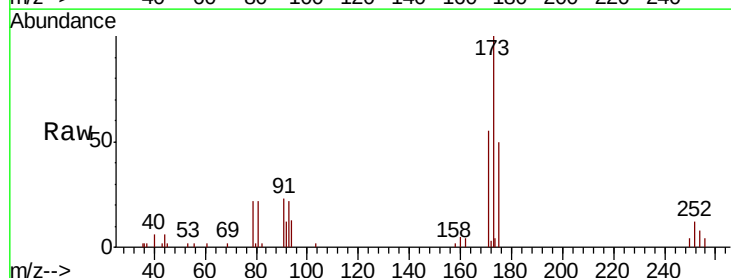
Tgt Ion: 173 Resp: 11784

Ion Ratio Lower Upper

173 100

175 47.8 38.5 57.7

254 4.0 8.3 12.5#



Abundance Ion 173.00 (172.70 to 173.70): VV017563.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017563.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017563.D (-2682) (-)

9.75

8000

6000

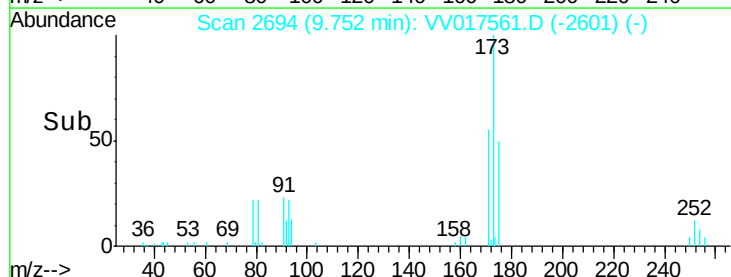
4000

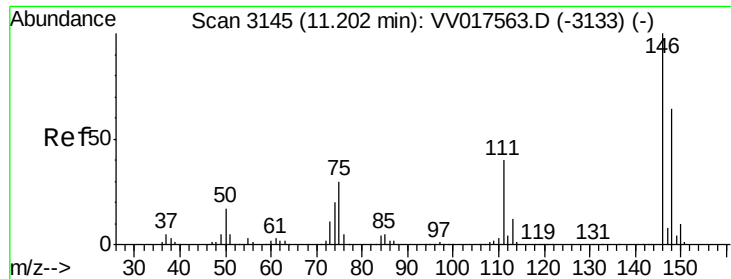
2000

0

9.70 9.75 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.660 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

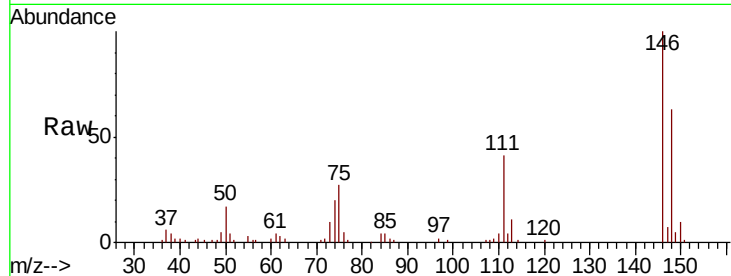
Tot Ion:146 Resp: 30978

Ion Ratio Lower Upper

146 100

111 40.9 28.2 52.4

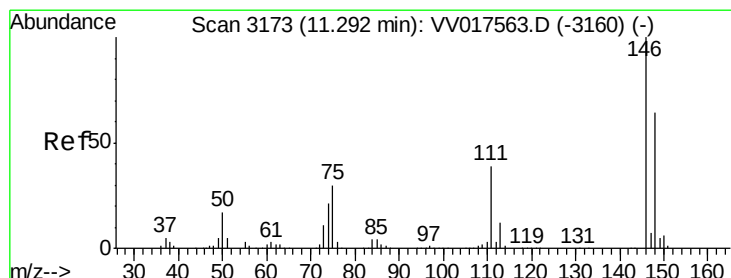
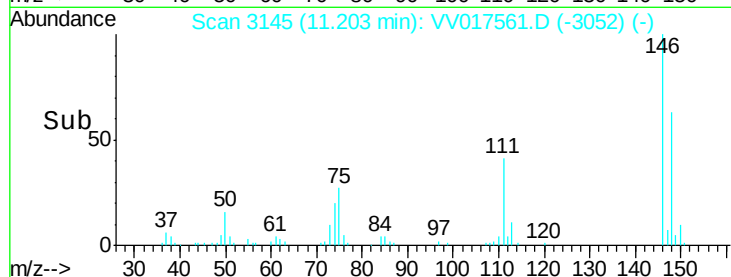
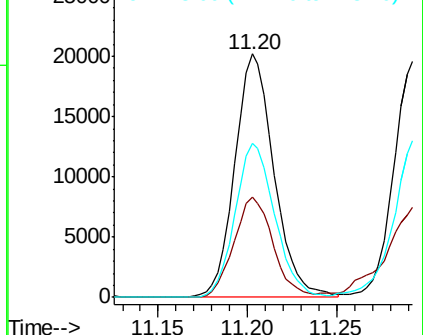
148 63.4 44.7 82.9



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: 5.855 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

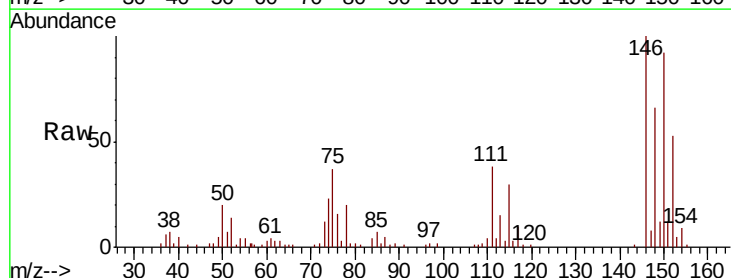
Tgt Ion:146 Resp: 33330

Ion Ratio Lower Upper

146 100

111 38.1 27.3 50.7

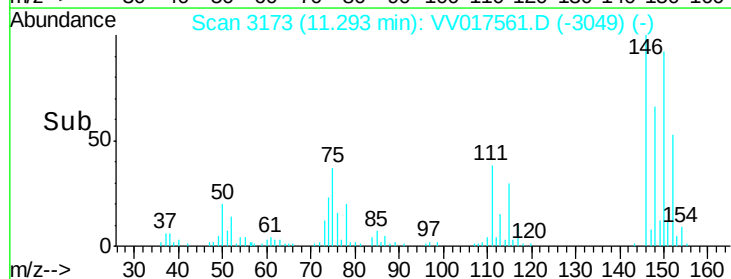
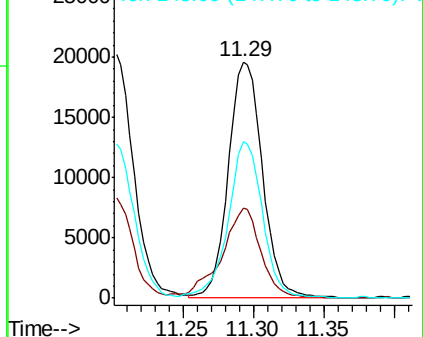
148 66.4 45.1 83.9

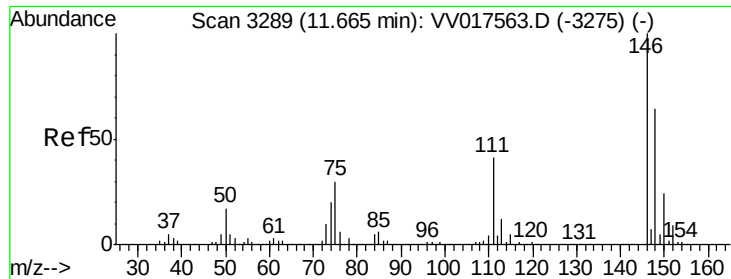


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.594 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampled :

VSTD00566

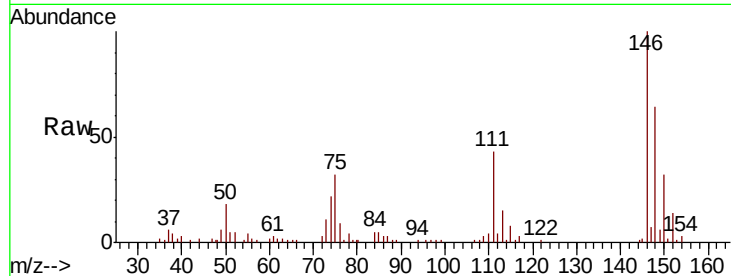
Tot Ion:146 Resp: 31685

Ion Ratio Lower Upper

146 100

111 42.6 32.9 49.3

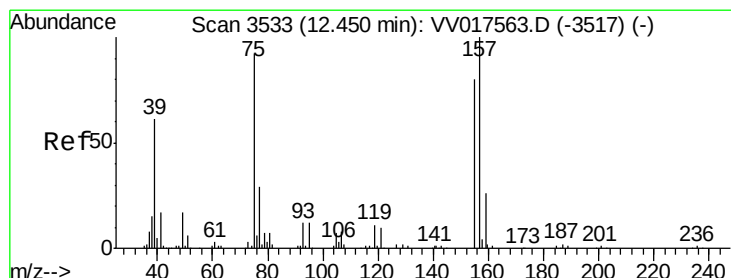
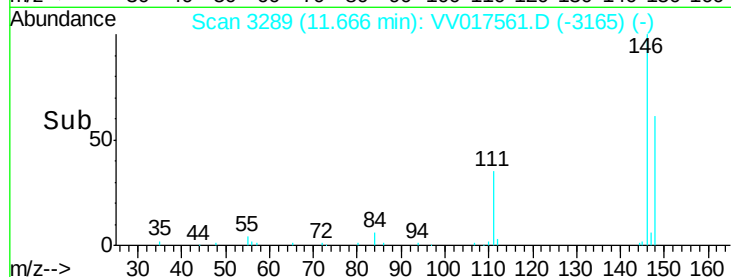
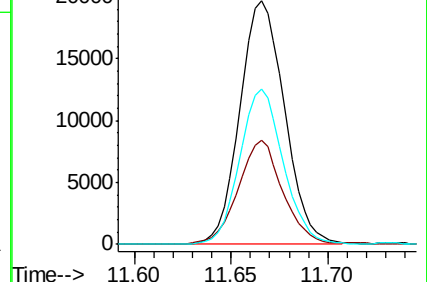
148 63.7 51.0 76.4



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: 5.014 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

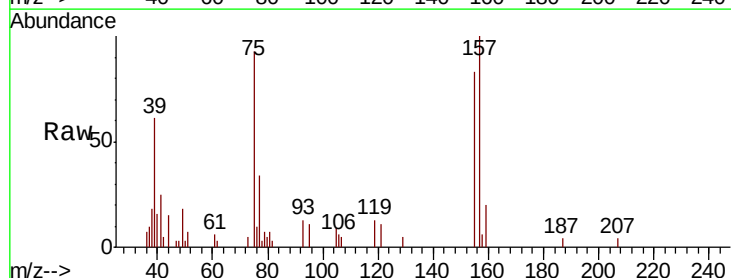
Tgt Ion: 75 Resp: 5154

Ion Ratio Lower Upper

75 100

155 88.6 69.2 103.8

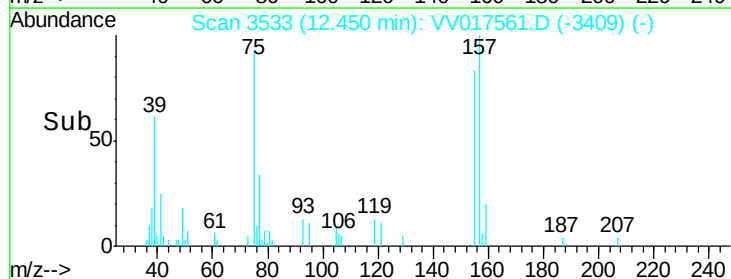
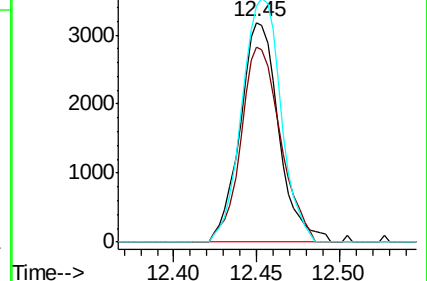
157 107.3 86.9 130.3

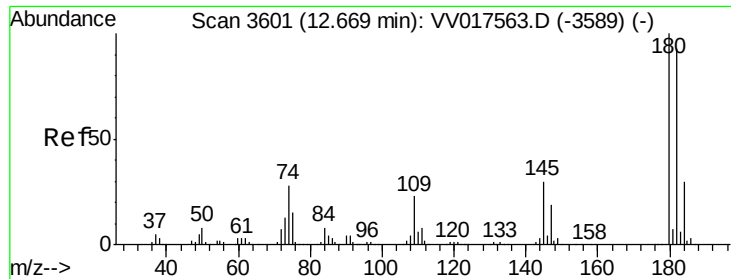


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

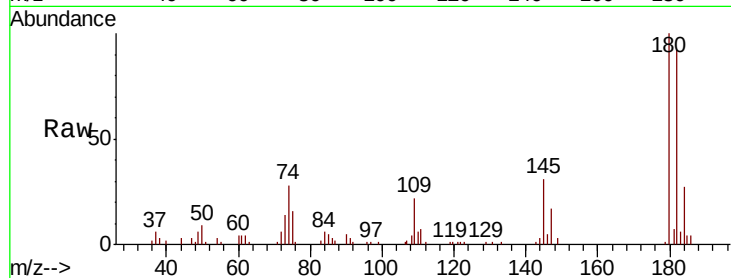




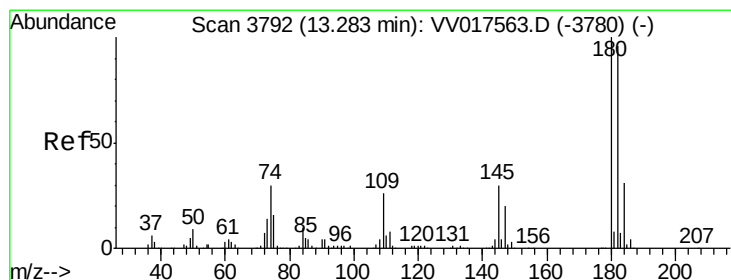
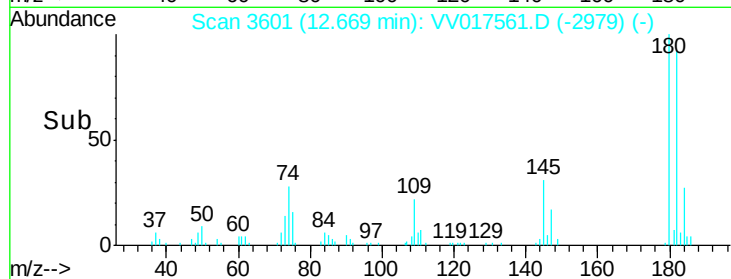
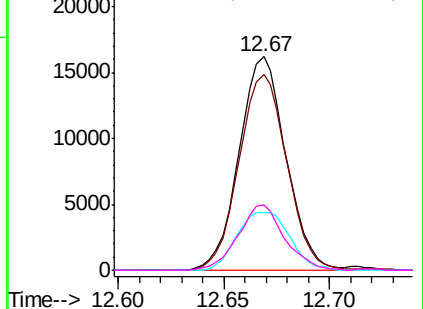
#67
 1,3,5-Trichlorobenzene
 Concen: 5.720 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00566

Tot Ion:180 Resp: 24943
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.7 115.1
 184 30.6 24.5 36.7
 145 30.3 24.2 36.2

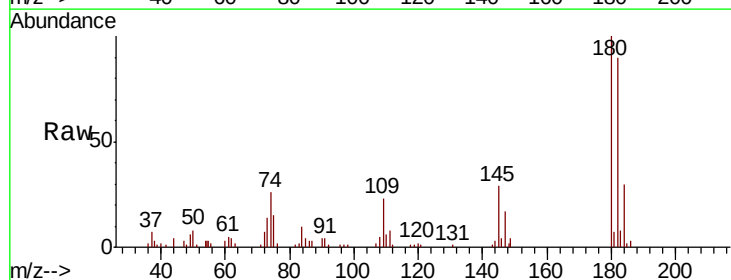


Abundance Ion 180.00 (179.70 to 180.70): V
 25000 Ion 182.00 (181.70 to 182.70): V
 20000 Ion 184.00 (183.70 to 184.70): V
 15000 Ion 145.00 (144.70 to 145.70): V
 10000
 5000
 0

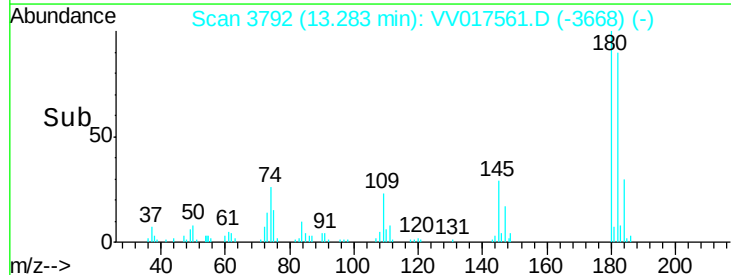
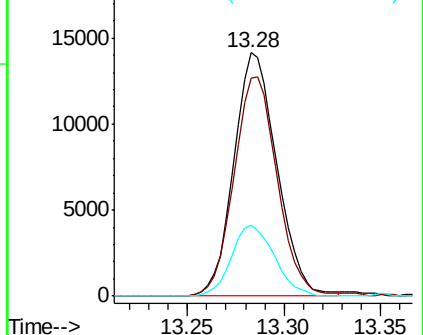


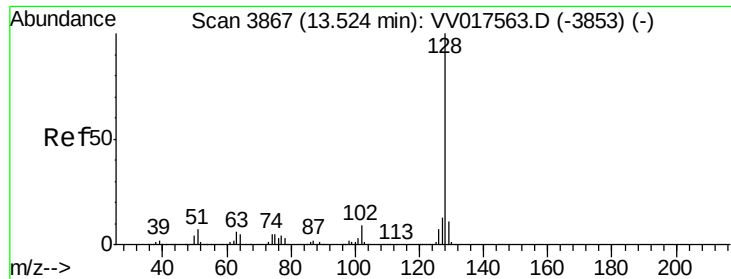
#68
 1,2,4-trichlorobenzene
 Concen: 5.607 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017561.D
 Acq: 21 Jul 2020 13:29

Tgt Ion:180 Resp: 21879
 Ion Ratio Lower Upper
 180 100
 182 90.2 76.2 114.4
 145 29.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 15000 Ion 182.00 (181.70 to 182.70): V
 10000 Ion 145.00 (144.70 to 145.70): V
 5000
 0





#69

Naphthalene

Concen: 5.060 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

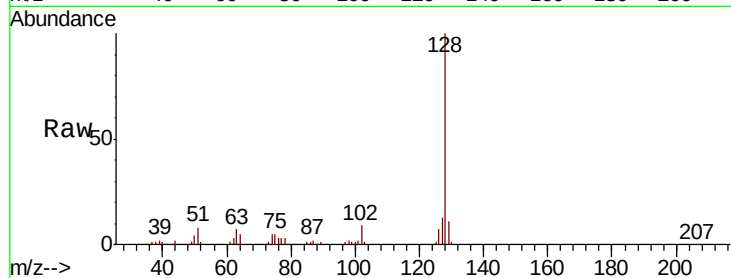
Tot Ion:128 Resp: 55714

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

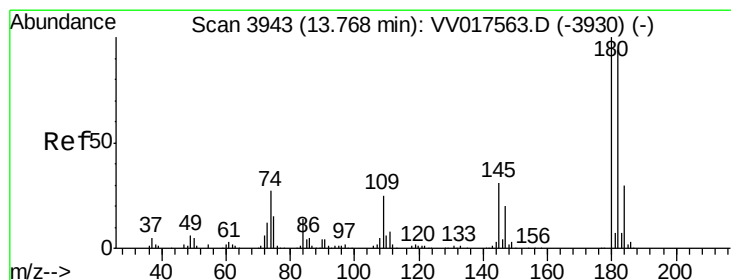
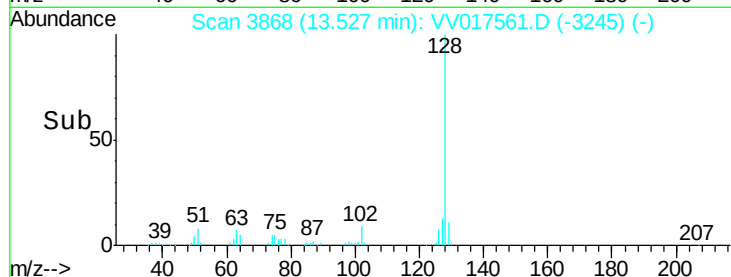
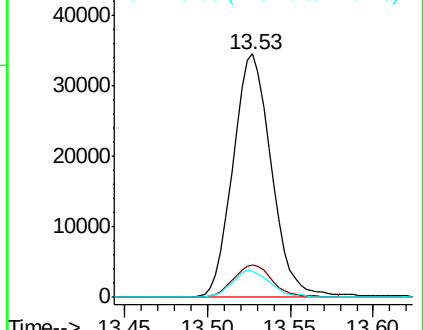
129 10.7 8.7 13.1



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: 5.655 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017561.D

Acq: 21 Jul 2020 13:29

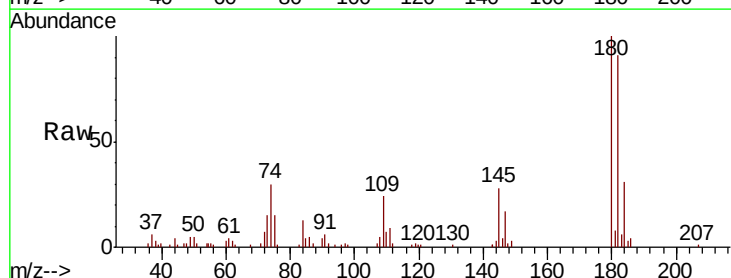
Tgt Ion:180 Resp: 21969

Ion Ratio Lower Upper

180 100

182 97.2 75.8 113.8

145 31.1 25.5 38.3



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

