

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017562.D
 Acq On : 21 Jul 2020 13:53
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Quant Time: Jul 22 02:37:33 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	330936	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314481	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164844	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19926	10.66	ug/L	0.00
7) Chloroethane-d5	1.58	69	13848	9.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	39133	8.81	ug/L	0.00
21) 2-Butanone-d5	3.92	46	28130	20.16	ug/L	0.02
24) Chloroform-d	4.38	84	43501	10.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	29040	9.87	ug/L	0.00
32) Benzene-d6	5.08	84	80365	11.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	24037	11.11	ug/L	0.00
41) Toluene-d8	7.34	98	75412	10.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	13662	10.49	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	19936	19.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34363	11.15	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	32807	10.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34133	10.785 ug/L	99
3) Chloromethane	1.25	50	27021	10.692 ug/L	100
5) Vinyl chloride	1.32	62	25338	9.640 ug/L	98
6) Bromomethane	1.53	94	16816	9.974 ug/L	98
8) Chloroethane	1.60	64	12767	8.737 ug/L	99
9) Trichlorofluoromethane	1.76	101	41809	9.249 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20993	8.771 ug/L	96
12) 1,1-Dichloroethene	2.13	96	19530	9.021 ug/L	99
13) Acetone	2.19	43	27359	16.913 ug/L	100
14) Carbon disulfide	2.31	76	67698	10.848 ug/L	99
15) Methyl Acetate	2.45	43	22567	9.333 ug/L	99
16) Methylene chloride	2.52	84	25566	10.083 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	23564	10.669 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	78248	10.071 ug/L	99
19) 1,1-Dichloroethane	3.21	63	43543	10.659 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	24631	10.270 ug/L	99
22) 2-Butanone	4.01	43	33005	21.248 ug/L	97
23) Bromochloromethane	4.28	128	13699	10.298 ug/L	96
25) Chloroform	4.41	83	46374	10.273 ug/L	96
27) 1,2-Dichloroethane	5.16	62	37963	9.838 ug/L	99
29) Cyclohexane	4.70	56	37320	11.713 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	42932	10.108 ug/L	96
31) Carbon tetrachloride	4.86	117	39759	10.231 ug/L	97
33) Benzene	5.13	78	91686	10.917 ug/L	100
34) Trichloroethene	5.94	95	25660	11.114 ug/L	98
35) Methylcyclohexane	6.15	83	39694	11.491 ug/L	98
37) 1,2-Dichloropropane	6.20	63	24444	11.439 ug/L	99
38) Bromodichloromethane	6.53	83	34916	10.339 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	34846	9.761 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	63630	21.496 ug/L	99

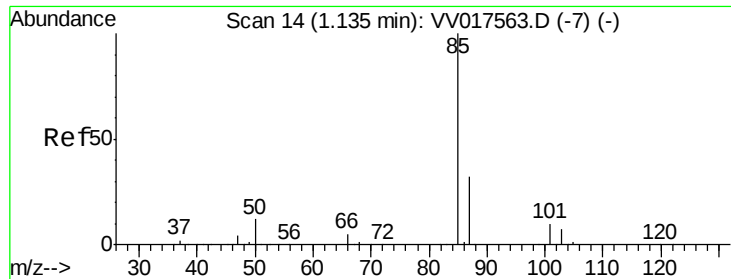
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017562.D
 Acq On : 21 Jul 2020 13:53
 Operator : SY/MD
 Sample : VSTD01061
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Instrument :
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Quant Time: Jul 22 02:37:33 2020
 Quant 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	102088	11.022	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	37129	9.958	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	24173	10.562	ug/L	97
46) Tetrachloroethene	8.00	164	21916	10.923	ug/L	97
48) 2-Hexanone	8.16	43	51188	21.682	ug/L	96
49) Dibromochloromethane	8.27	129	28432	9.988	ug/L	92
50) 1,2-Dibromoethane	8.38	107	25530	10.254	ug/L	95
51) Chlorobenzene	8.90	112	67137	10.405	ug/L	99
52) Ethylbenzene	9.03	91	111645	10.312	ug/L	100
53) m,p-Xylene	9.16	106	42939	10.624	ug/L	95
54) o-xylene	9.57	106	41002	10.441	ug/L	98
55) Styrene	9.58	104	67953	10.152	ug/L	97
56) Isopropylbenzene	9.95	105	112300	10.602	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37373	10.886	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	30855	10.561	ug/L	98
61) Bromoform	9.75	173	20805	9.838	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	56030	10.634	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	55716	10.168	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	57087	10.469	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	8542	8.633	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	42547	10.135	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	36081	9.606	ug/L	98
69) Naphthalene	13.53	128	94963	8.959	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	36892	9.865	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 10.785 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

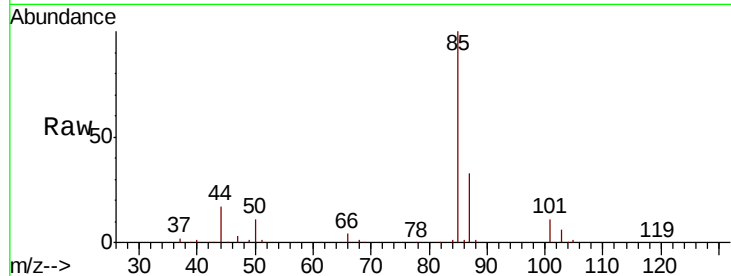
VSTD01061

Tot Ion: 85 Resp: 34133

Ion Ratio Lower Upper

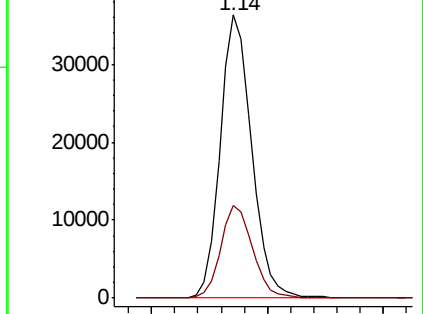
85 100

87 33.1 26.1 39.1

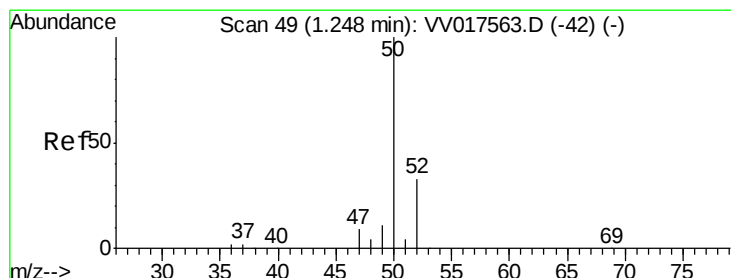
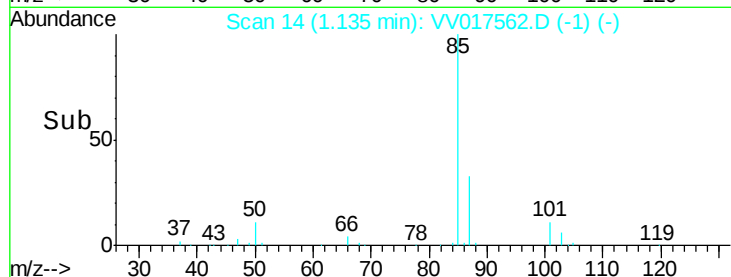


Abundance Ion 85.00 (84.70 to 85.70): VV017563.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017563.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 10.692 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017562.D

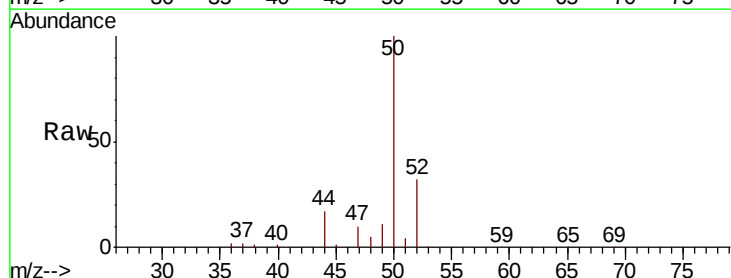
Acq: 21 Jul 2020 13:53

Tgt Ion: 50 Resp: 27021

Ion Ratio Lower Upper

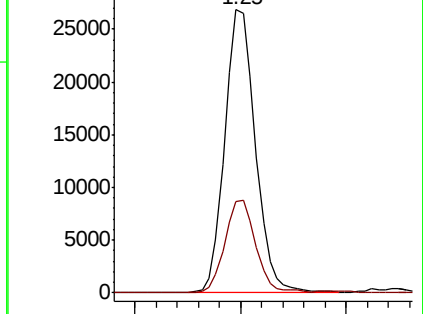
50 100

52 32.3 22.7 42.3

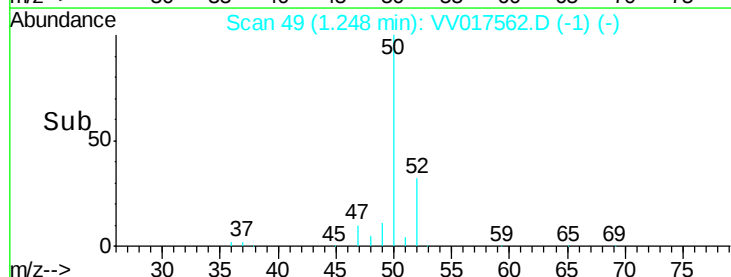


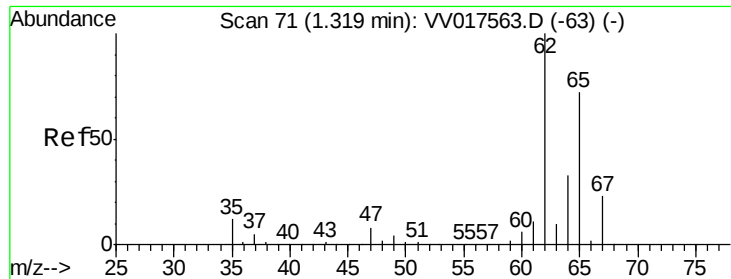
Abundance Ion 50.00 (49.70 to 50.70): VV017563.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017563.D (-42) (-)



Time-->





#5

Vinyl chloride

Concen: 9.640 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

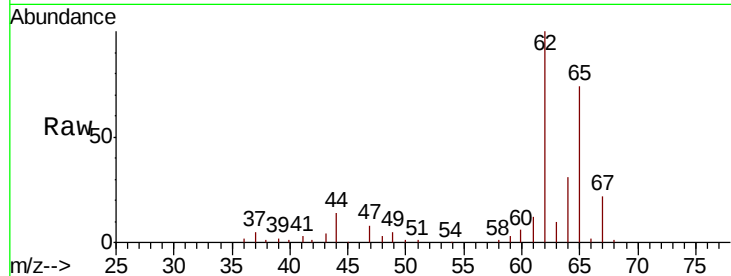
VSTD01061

Tot Ion: 62 Resp: 25338

Ion Ratio Lower Upper

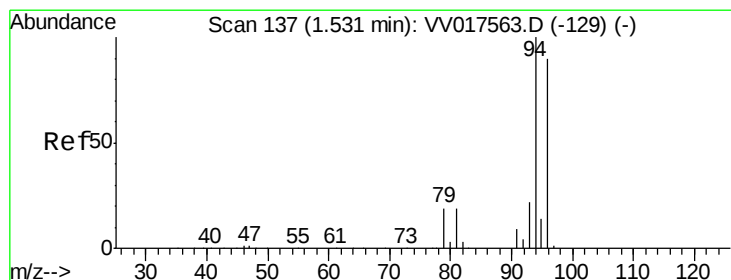
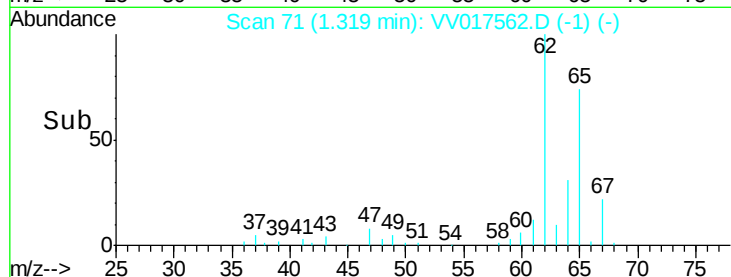
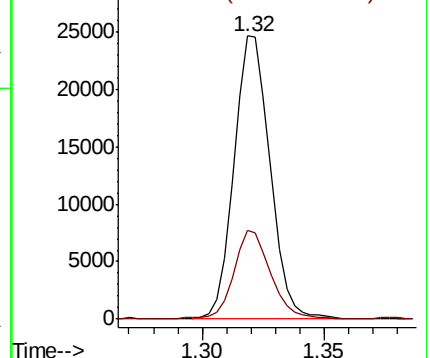
62 100

64 31.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 9.974 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017562.D

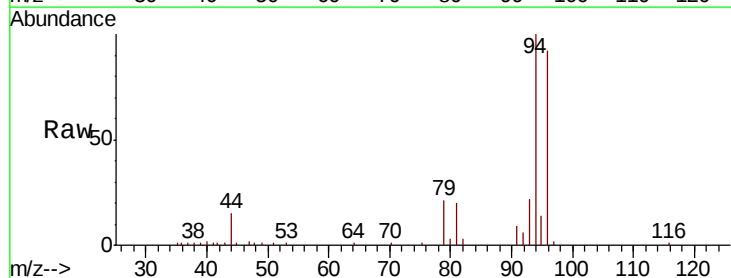
Acq: 21 Jul 2020 13:53

Tgt Ion: 94 Resp: 16816

Ion Ratio Lower Upper

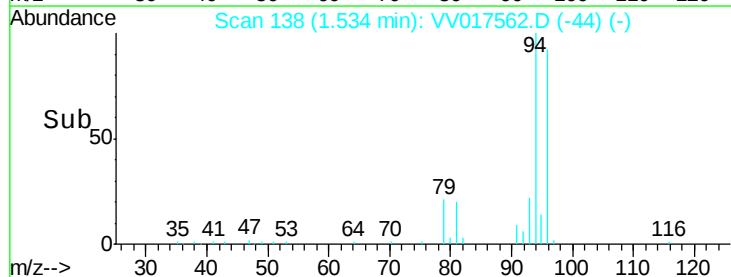
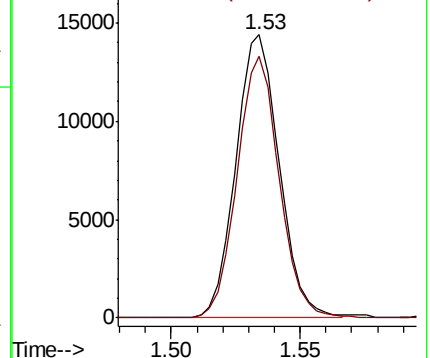
94 100

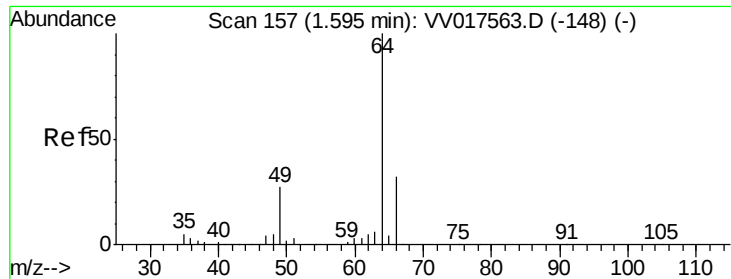
96 92.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.737 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

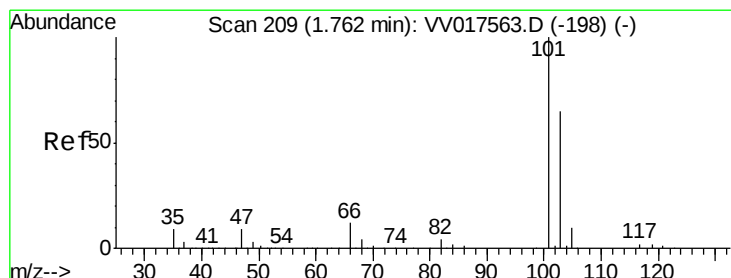
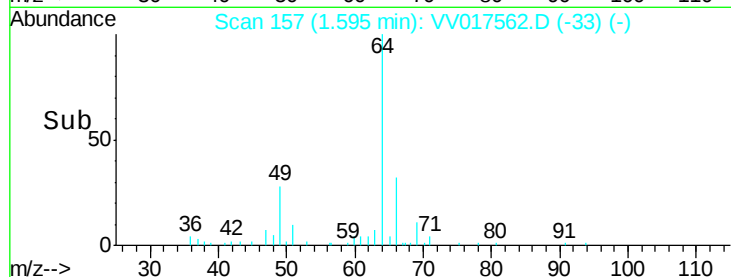
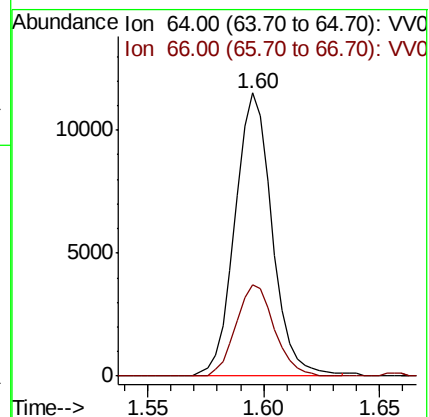
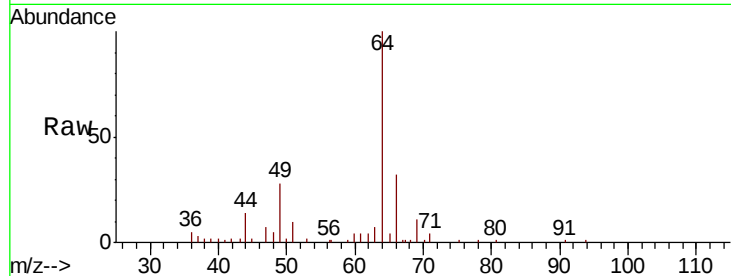
VSTD01061

Tot Ion: 64 Resp: 12767

Ion Ratio Lower Upper

64 100

66 32.4 22.1 41.1



#9

Trichlorofluoromethane

Concen: 9.249 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017562.D

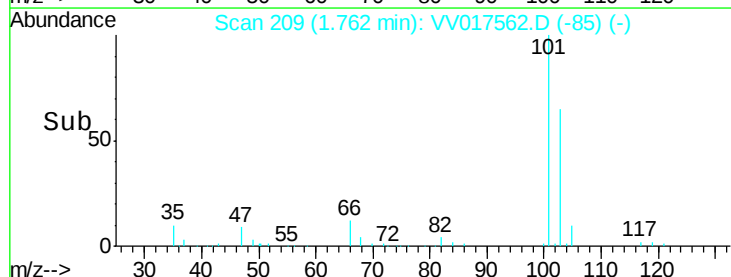
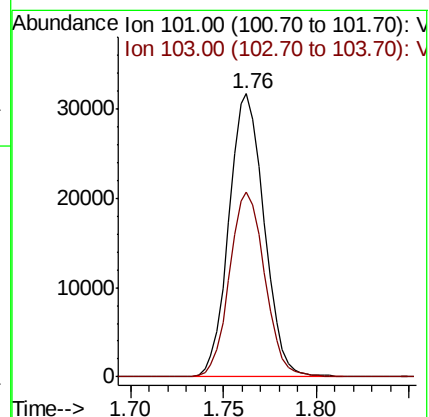
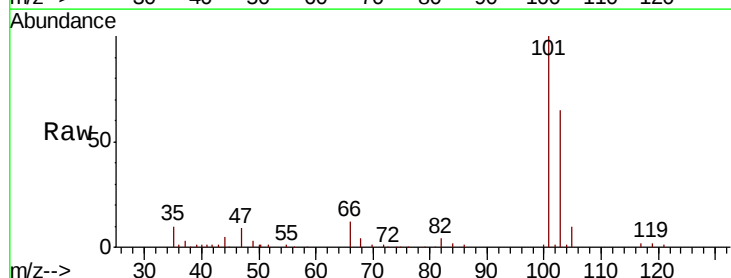
Acq: 21 Jul 2020 13:53

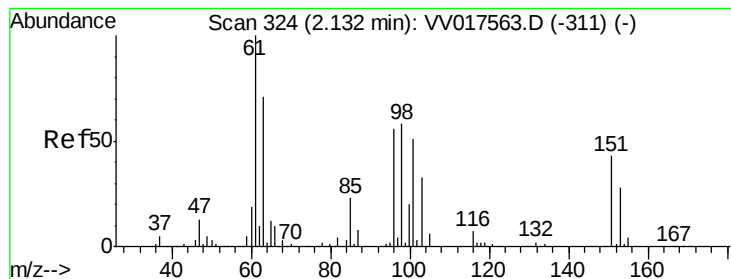
Tgt Ion: 101 Resp: 41809

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.6





#10

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

Concen: 8.771 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

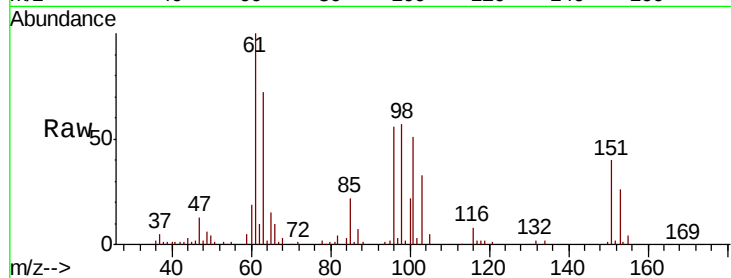
Tot Ion:101 Resp: 20993

Ion Ratio Lower Upper

101 100

85 42.2 35.1 52.7

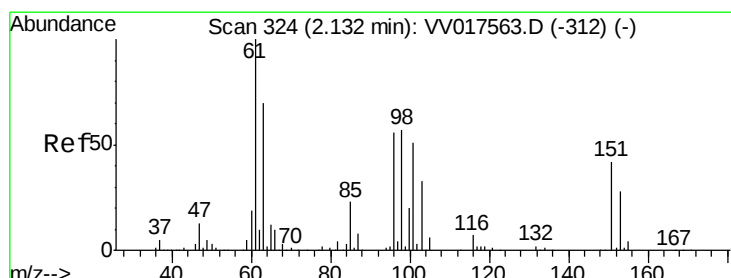
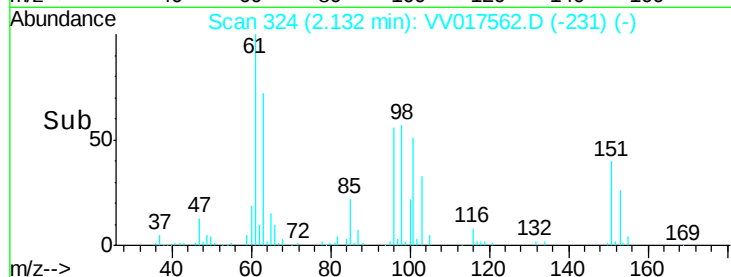
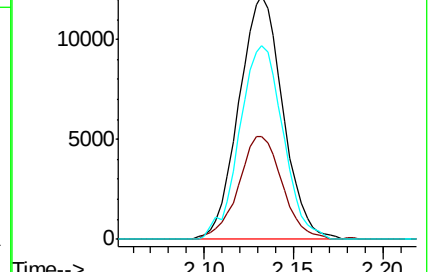
151 79.0 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): VV017563.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017563.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 9.021 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

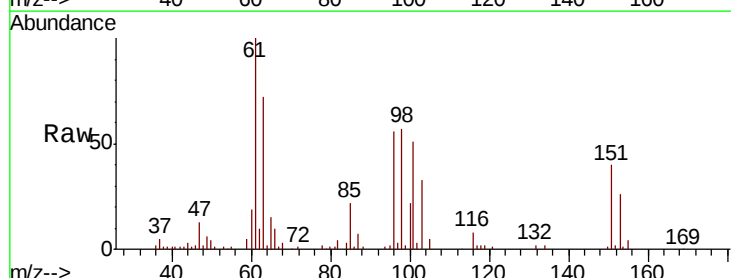
Tgt Ion: 96 Resp: 19530

Ion Ratio Lower Upper

96 100

61 179.7 124.5 231.3

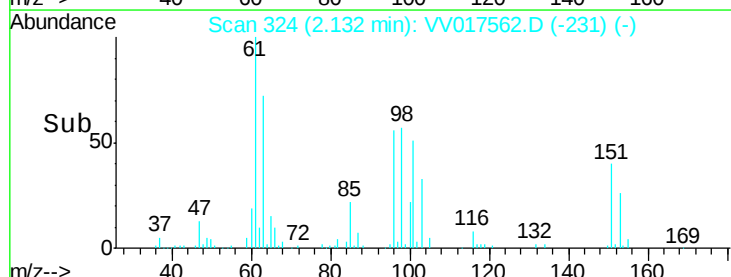
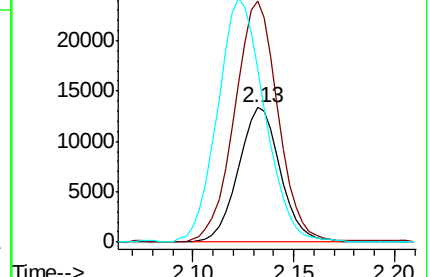
63 128.7 89.0 165.4

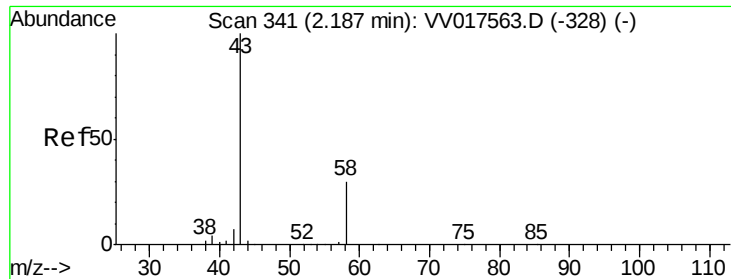


Abundance Ion 96.00 (95.70 to 96.70): VV017563.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017563.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017563.D (-312) (-)





#13

Acetone

Concen: 16.913 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

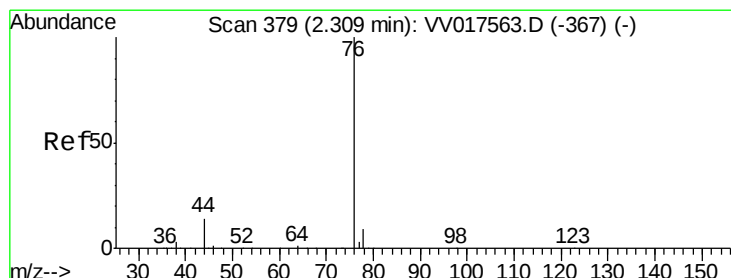
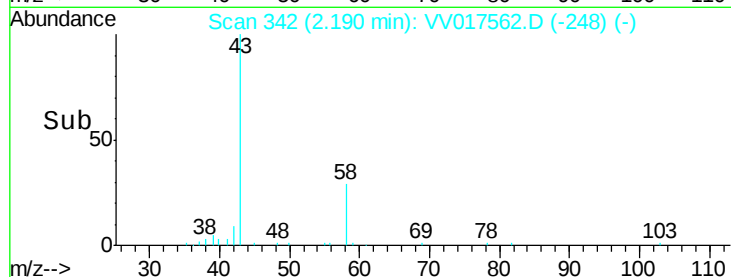
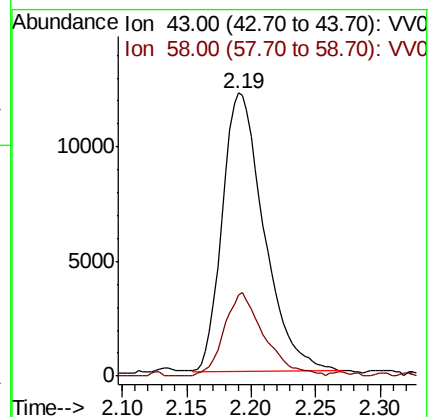
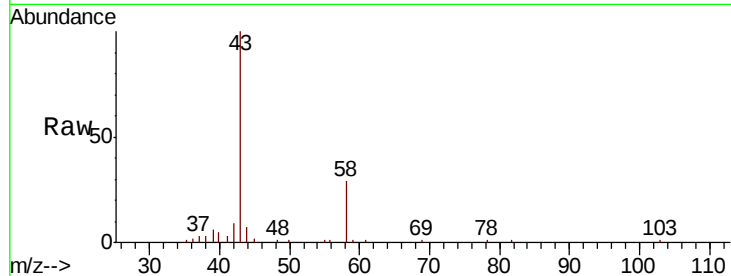
VSTD01061

Tot Ion: 43 Resp: 27359

Ion Ratio Lower Upper

43 100

58 28.8 0.0 58.0



#14

Carbon disulfide

Concen: 10.848 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017562.D

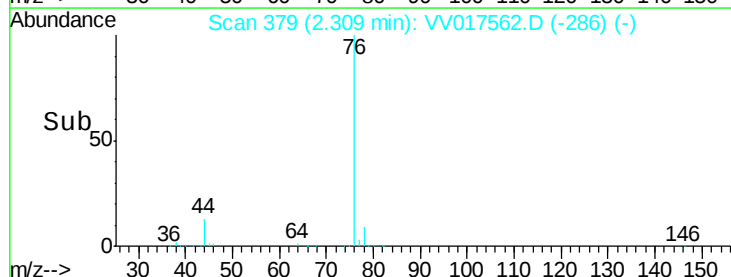
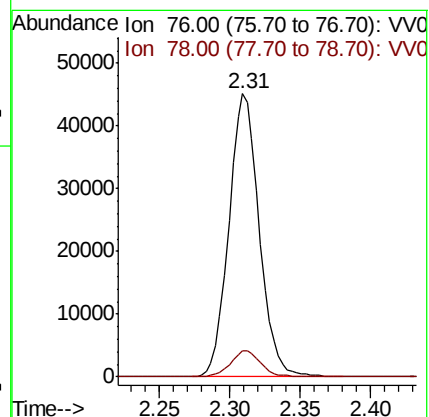
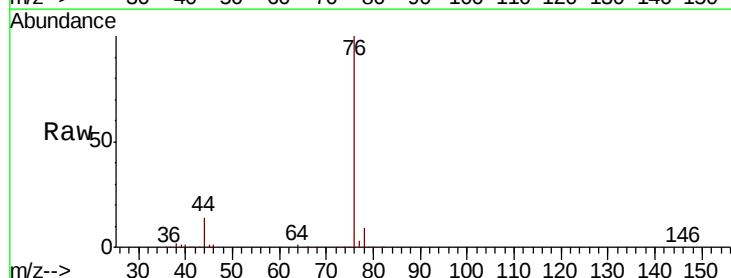
Acq: 21 Jul 2020 13:53

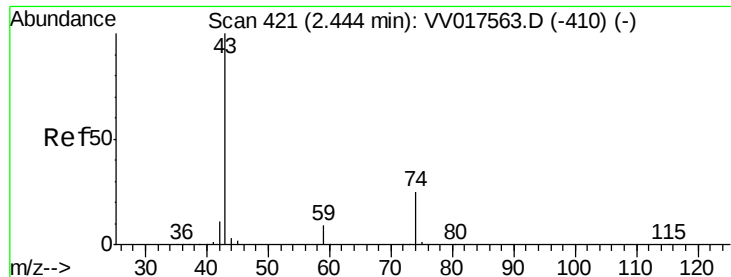
Tgt Ion: 76 Resp: 67698

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

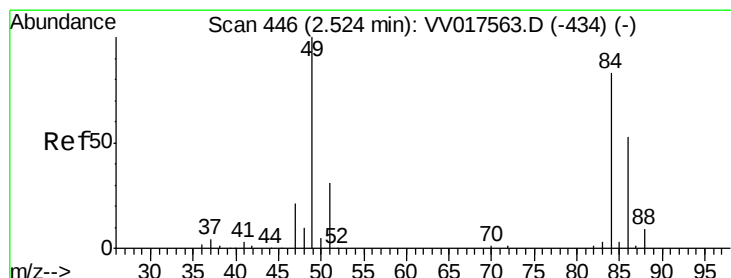
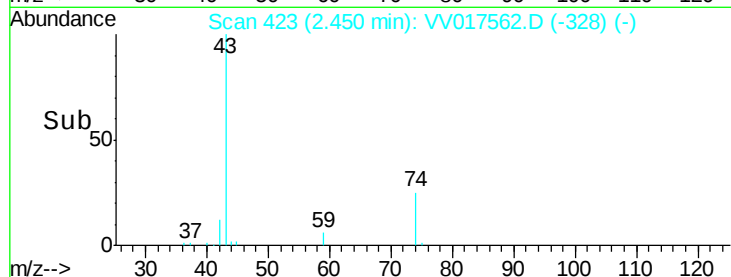
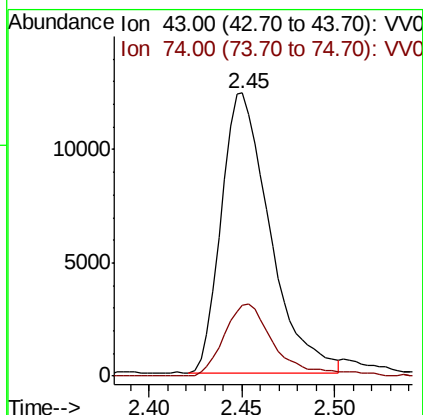
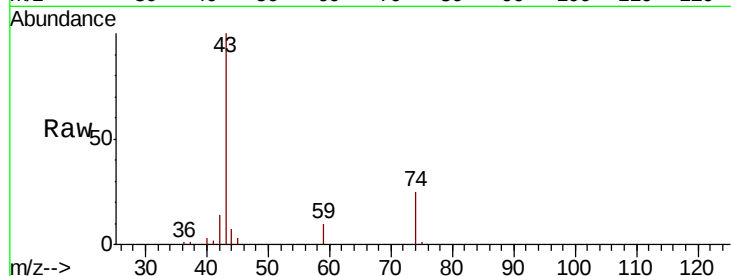




#15
Methvl Acetate
Concen: 9.333 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

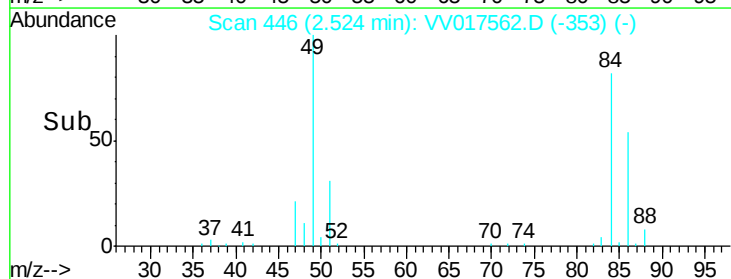
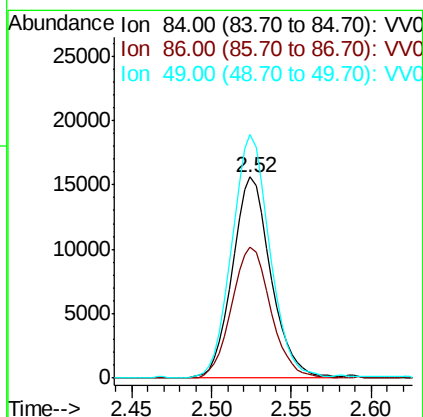
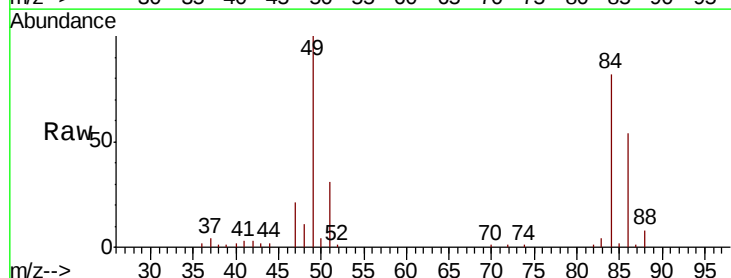
Instrument :
MSVOA_V
ClientSampled :
VSTD01061

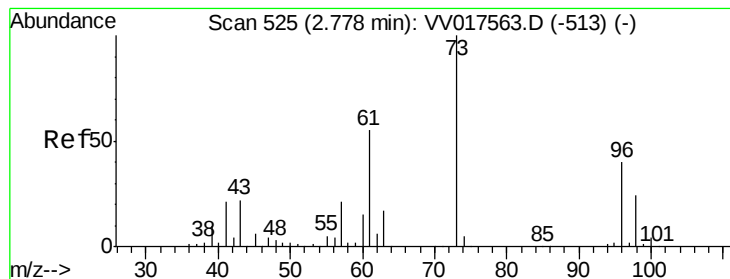
Tot Ion: 43 Resp: 22567
Ion Ratio Lower Upper
43 100
74 24.9 19.5 29.3



#16
Methylene chloride
Concen: 10.083 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

Tgt Ion: 84 Resp: 25566
Ion Ratio Lower Upper
84 100
86 65.1 44.5 82.7
49 121.2 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 10.669 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

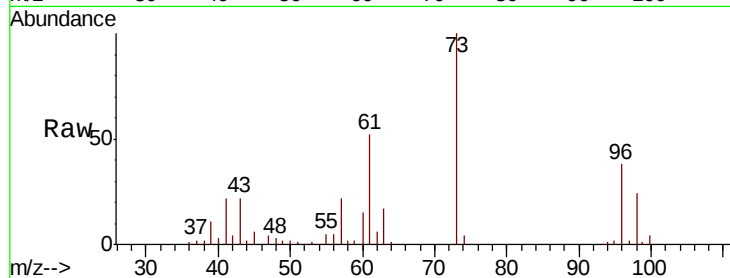
Tot Ion: 96 Resp: 23564

Ion Ratio Lower Upper

96 100

61 136.3 97.0 180.2

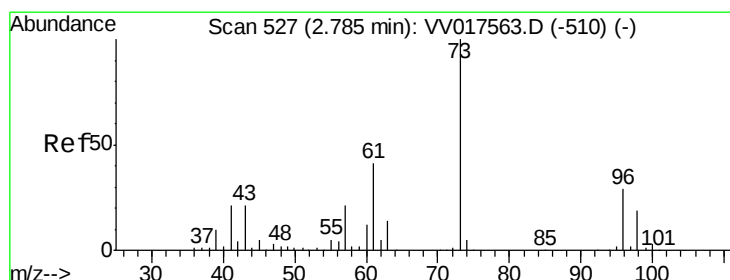
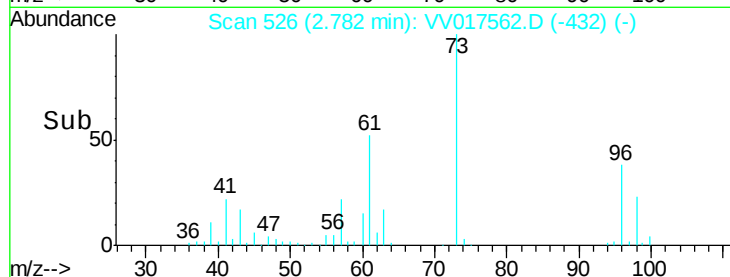
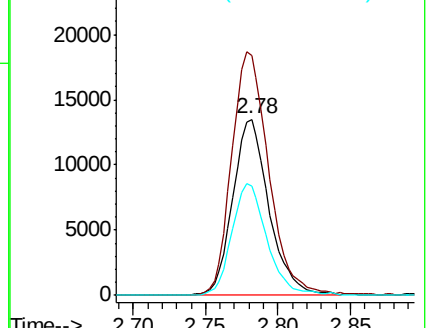
98 62.1 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VV017563.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV017563.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV017563.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 10.071 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

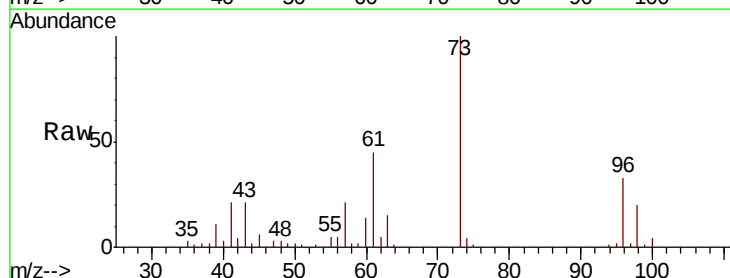
Tgt Ion: 73 Resp: 78248

Ion Ratio Lower Upper

73 100

43 22.3 17.3 25.9

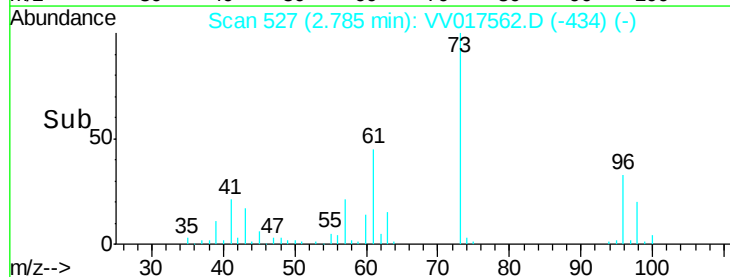
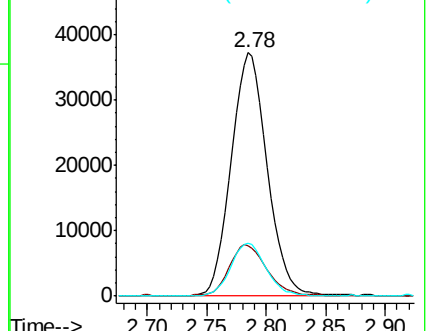
57 21.4 16.8 25.2

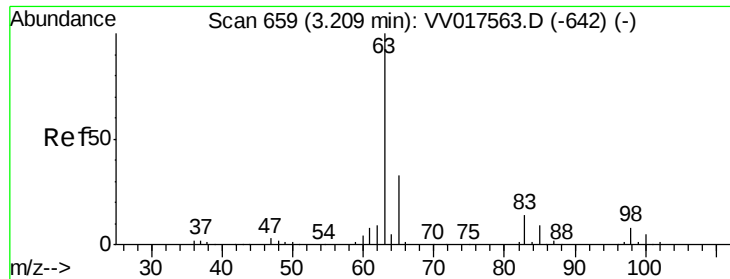


Abundance Ion 73.00 (72.70 to 73.70): VV017563.D (-510) (-)

Ion 43.00 (42.70 to 43.70): VV017563.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VV017563.D (-510) (-)

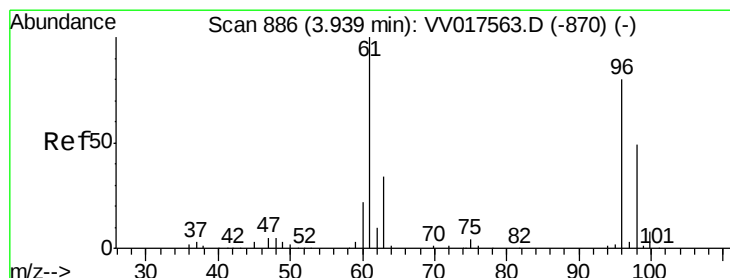
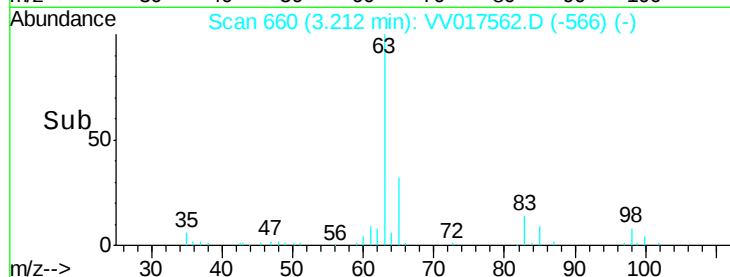
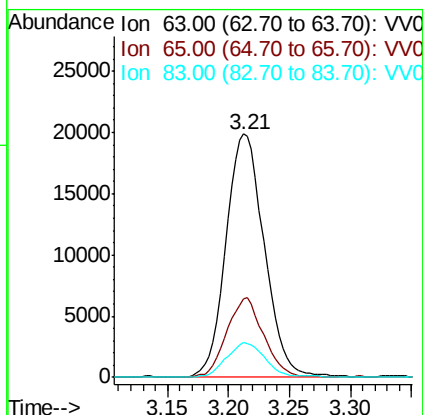
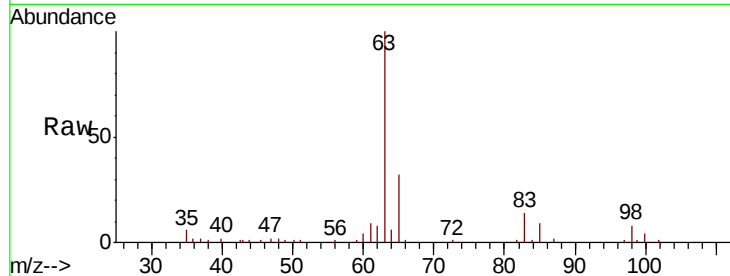




#19
 1,1-Dichloroethane
 Concen: 10.659 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

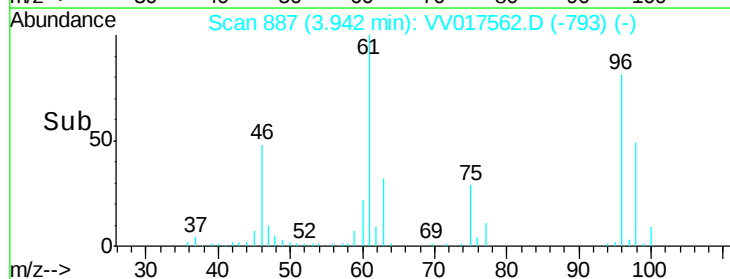
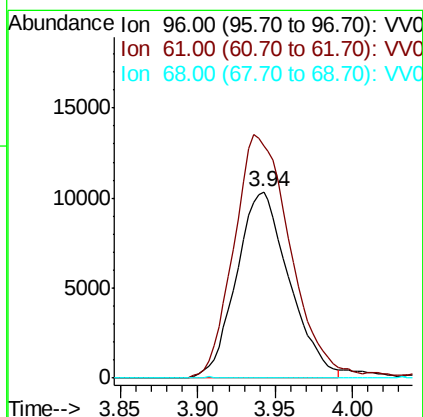
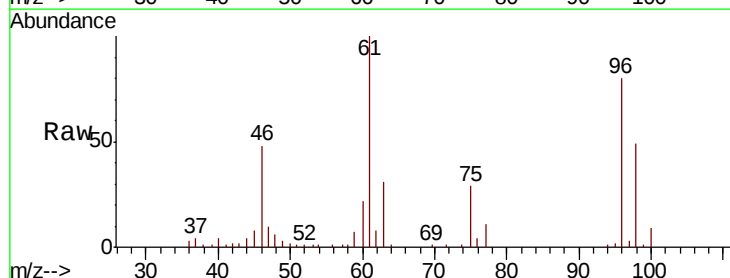
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01061

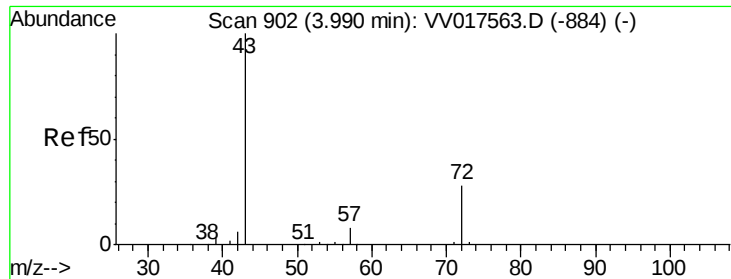
Tot Ion: 63 Resp: 43543
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.0 42.8
 83 14.1 9.9 18.5



#20
 cis-1,2-Dichloroethene
 Concen: 10.270 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Tgt Ion: 96 Resp: 24631
 Ion Ratio Lower Upper
 96 100
 61 124.7 87.8 163.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 21.248 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.02 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

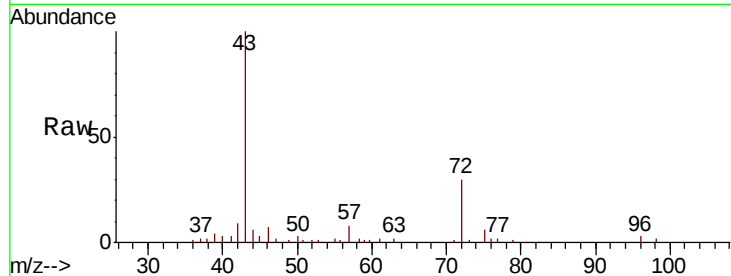
VSTD01061

Tot Ion: 43 Resp: 33005

Ion Ratio Lower Upper

43 100

72 24.4 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

12000

10000

8000

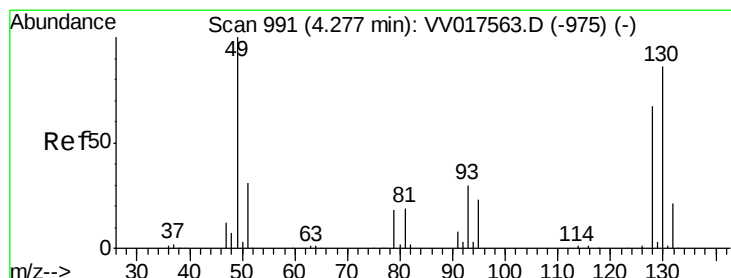
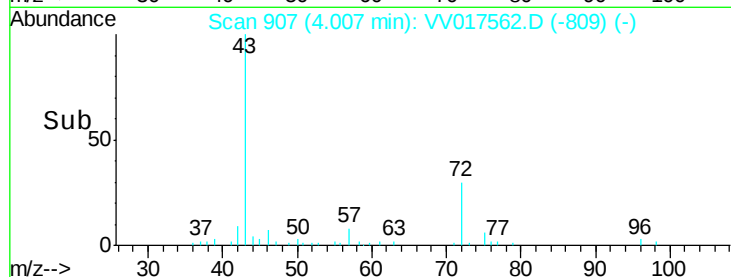
6000

4000

2000

0

Time-->



#23

Bromochloromethane

Concen: 10.298 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Tgt Ion: 128 Resp: 13699

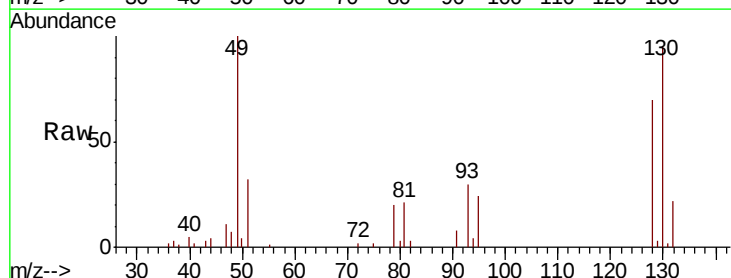
Ion Ratio Lower Upper

128 100

49 143.9 103.7 192.7

130 136.0 89.4 166.0

51 46.3 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) (-)

4.28

12000

10000

8000

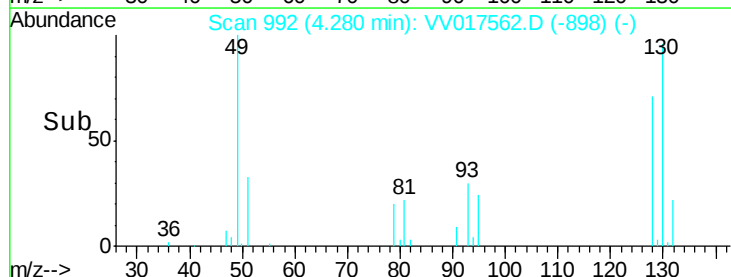
6000

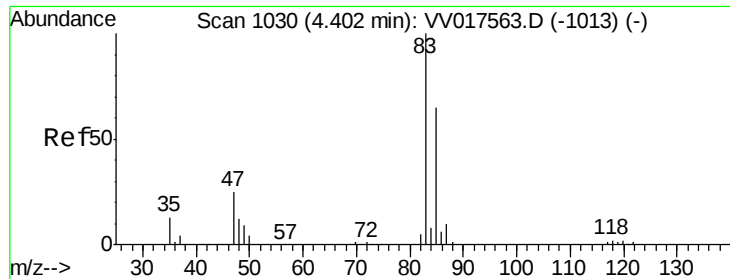
4000

2000

0

Time-->

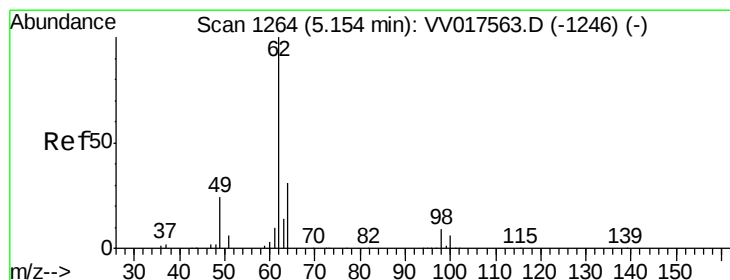
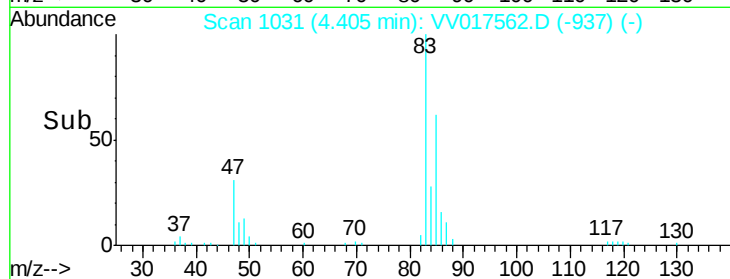
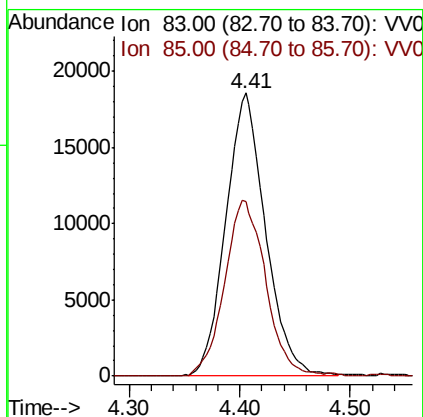
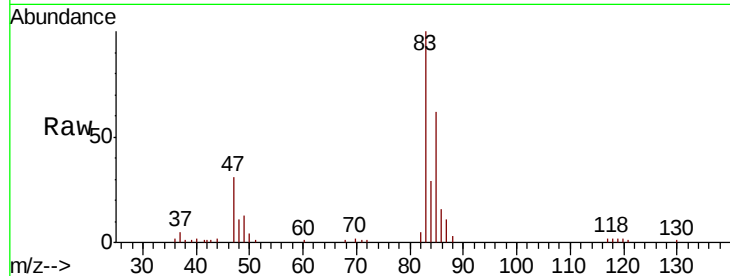




#25
Chloroform
Concen: 10.273 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

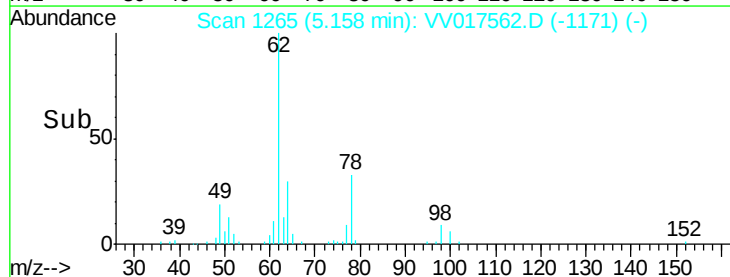
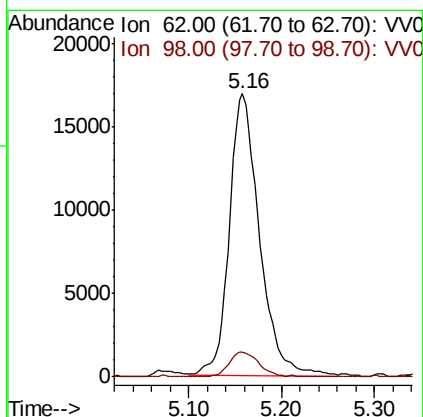
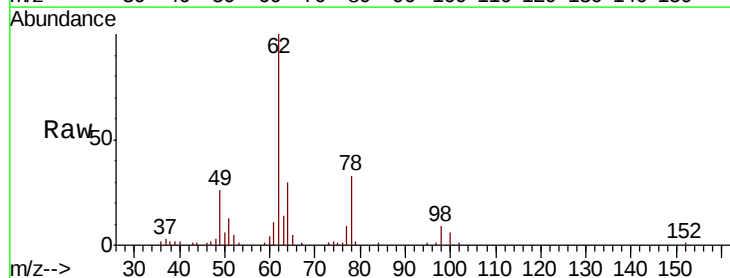
Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

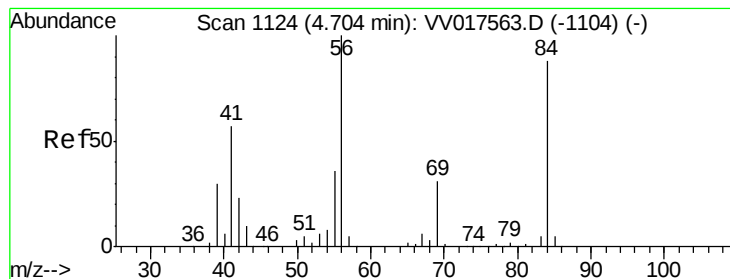
Tot Ion: 83 Resp: 46374
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 9.838 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

Tgt Ion: 62 Resp: 37963
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 11.713 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

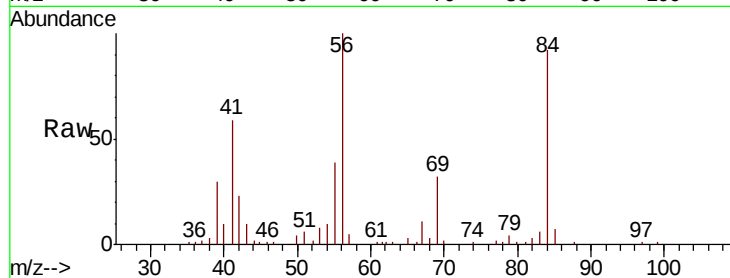
Tot Ion: 56 Resp: 37320

Ion Ratio Lower Upper

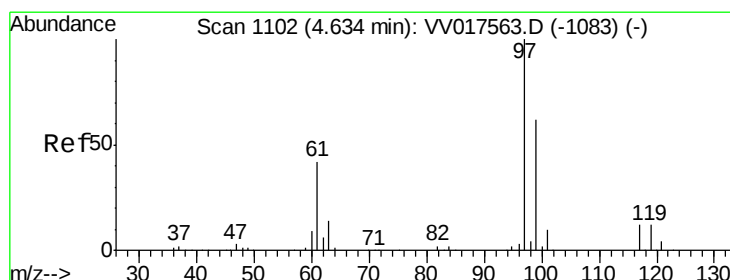
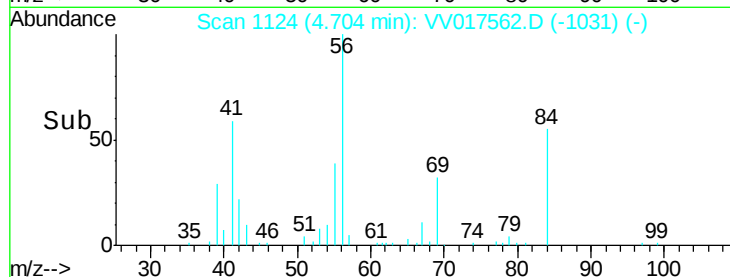
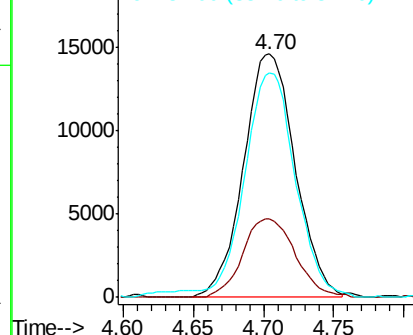
56 100

69 32.9 25.4 38.2

84 90.4 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.108 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

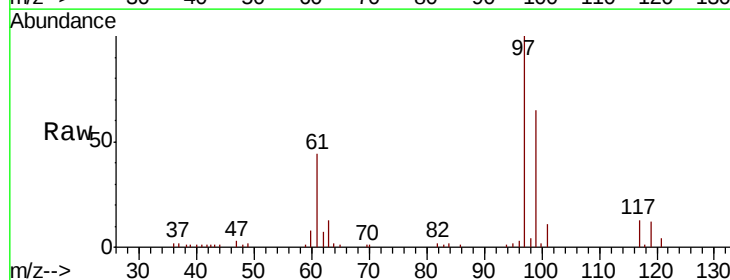
Tgt Ion: 97 Resp: 42932

Ion Ratio Lower Upper

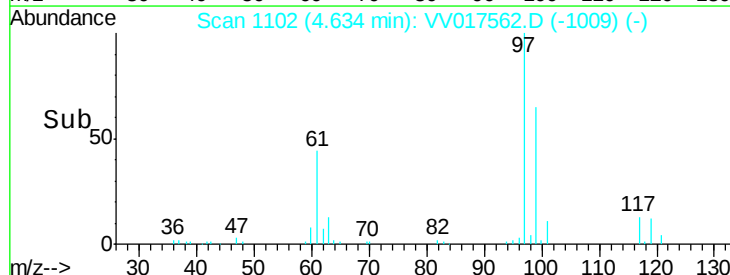
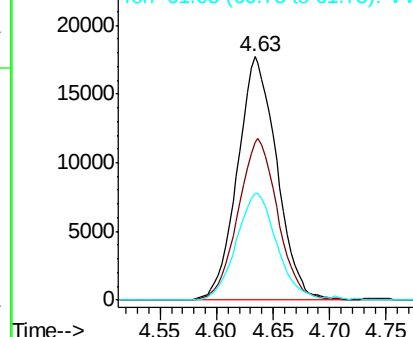
97 100

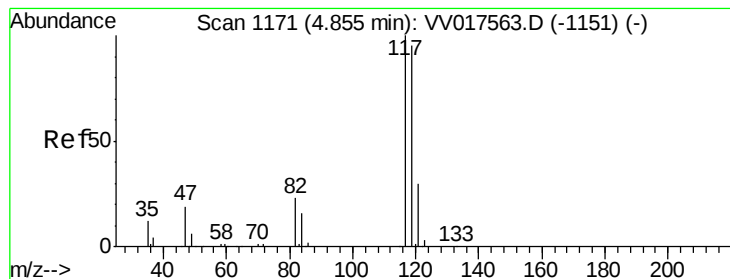
99 66.7 51.0 76.4

61 44.9 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.231 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

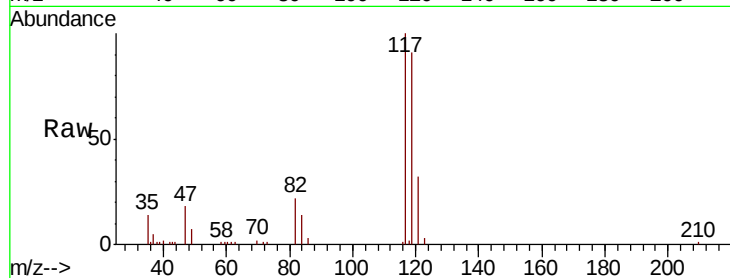
VSTD01061

Tot Ion:117 Resp: 39759

Ion Ratio Lower Upper

117 100

119 95.2 78.2 117.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

20000

15000

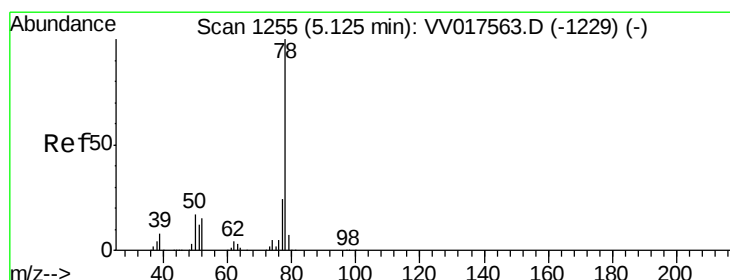
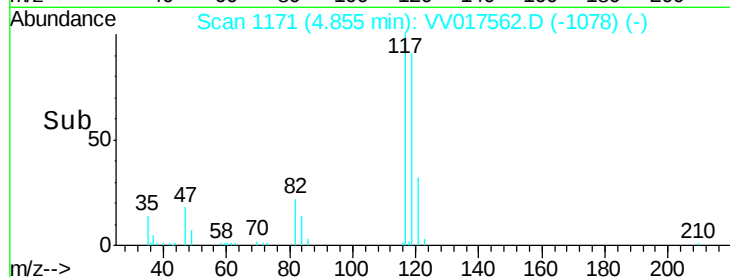
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 10.917 ug/L

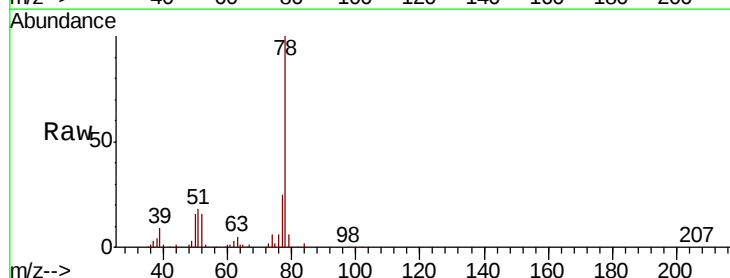
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Tgt Ion: 78 Resp: 91686



Abundance Ion 78.00 (77.70 to 78.70): VV0

40000

30000

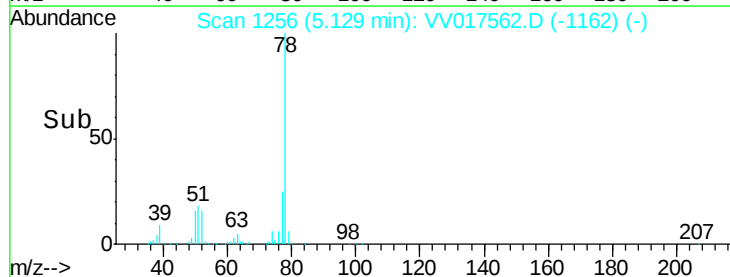
20000

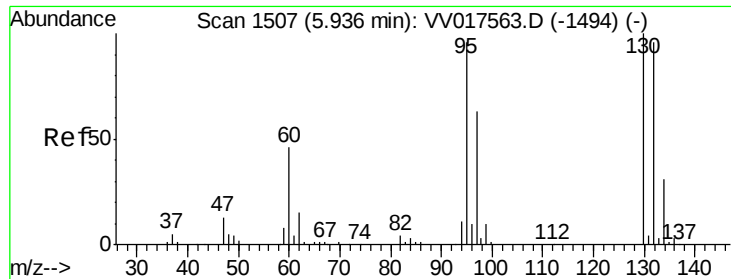
10000

0

5.05 5.10 5.15 5.20

Time-->





#34

Trichloroethene

Concen: 11.114 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

Tot Ion: 95 Resp: 25660

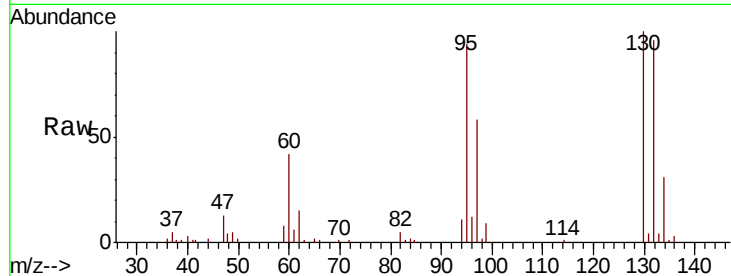
Ion Ratio Lower Upper

95 100

97 61.9 45.8 85.2

132 101.8 70.3 130.5

130 106.1 72.9 135.3



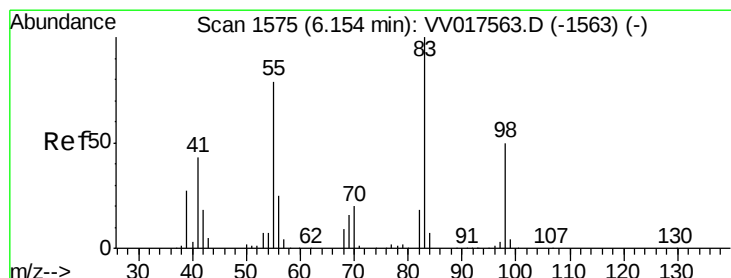
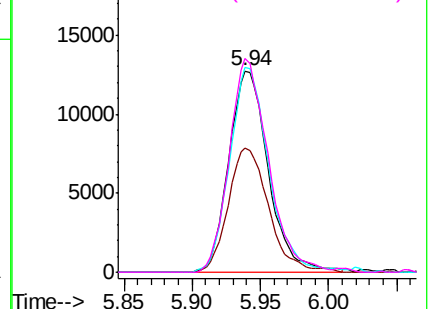
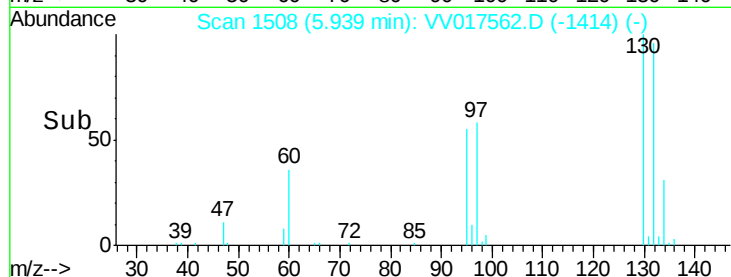
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 11.491 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

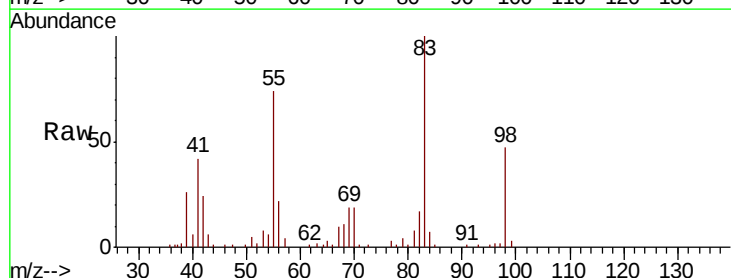
Tgt Ion: 83 Resp: 39694

Ion Ratio Lower Upper

83 100

55 74.4 61.7 92.5

98 48.9 39.3 58.9

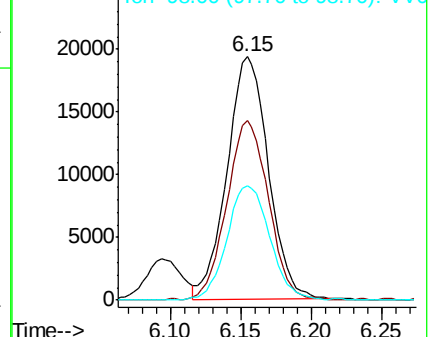
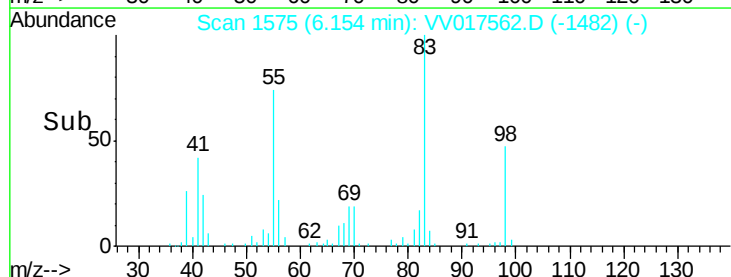


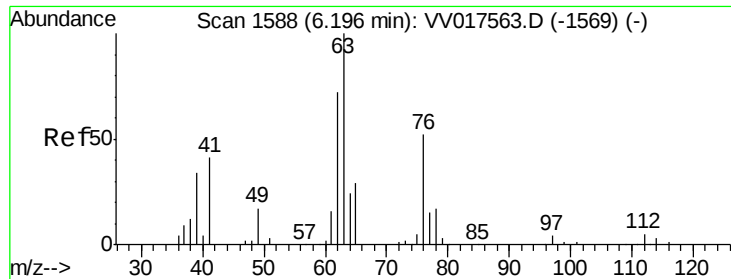
Abundance

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: 11.439 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampled :

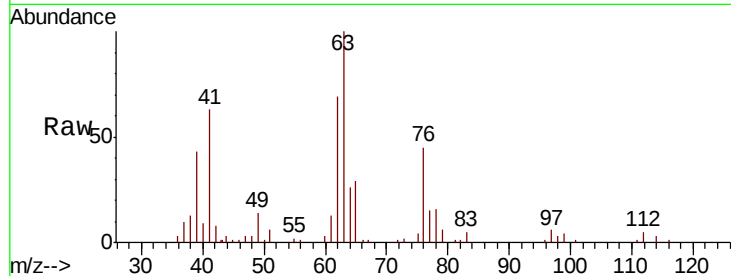
VSTD01061

Tot Ion: 63 Resp: 24444

Ion Ratio Lower Upper

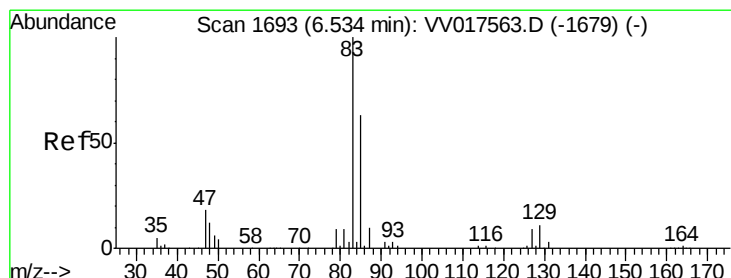
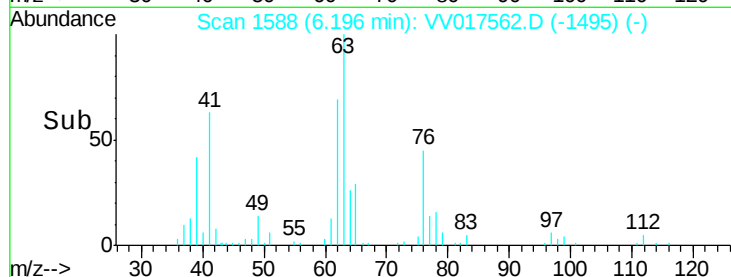
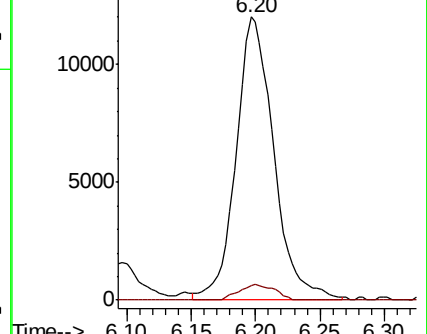
63 100

112 5.2 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV017563.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017563.D (-1569) (-)



#38

Bromodichloromethane

Concen: 10.339 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

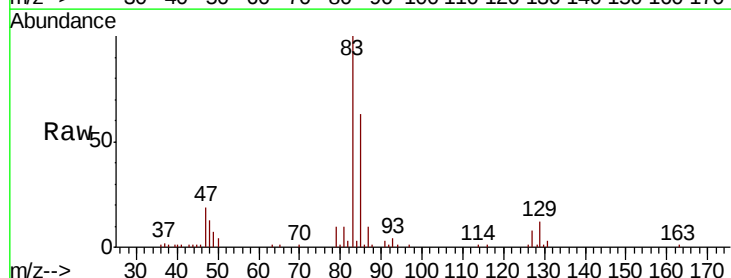
Tgt Ion: 83 Resp: 34916

Ion Ratio Lower Upper

83 100

85 62.6 44.4 82.4

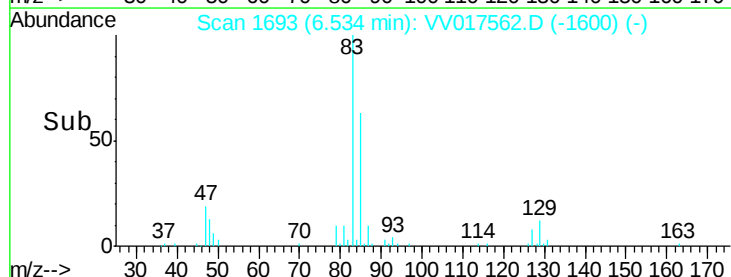
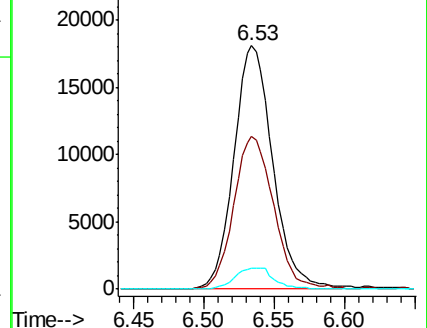
127 8.4 7.4 11.2

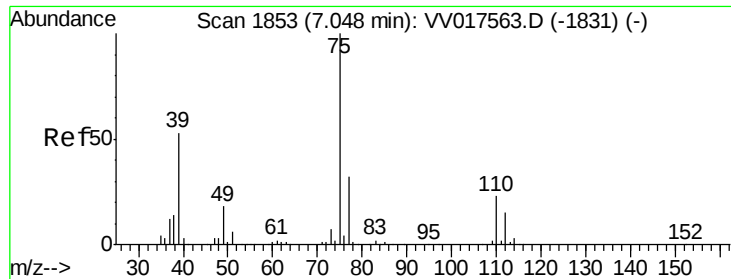


Abundance Ion 83.00 (82.70 to 83.70): VV017563.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV017563.D (-1679) (-)

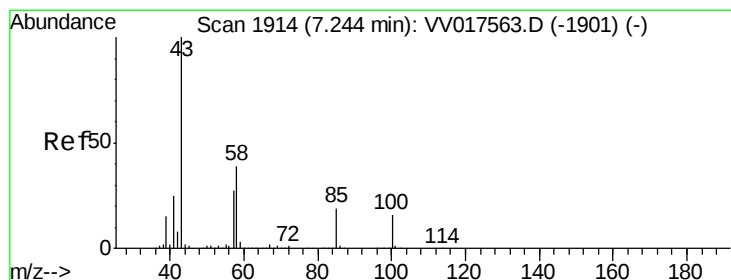
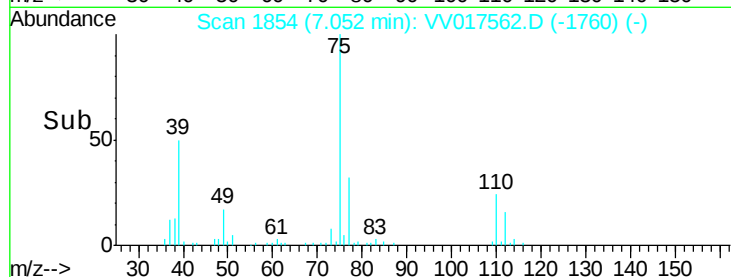
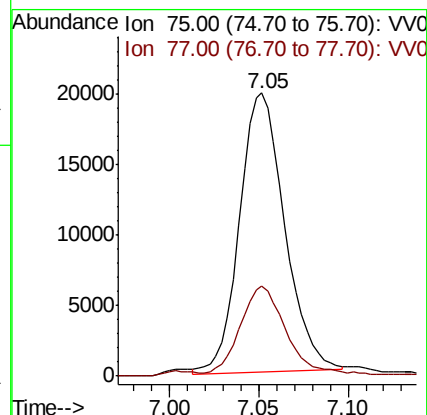
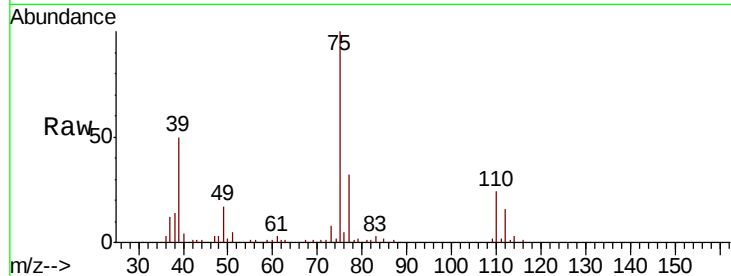




#39
 cis-1,3-Dichloropropene
 Concen: 9.761 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

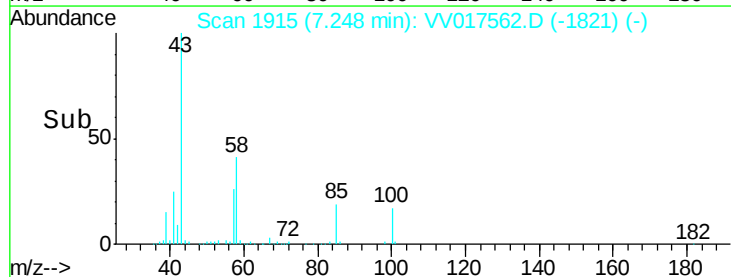
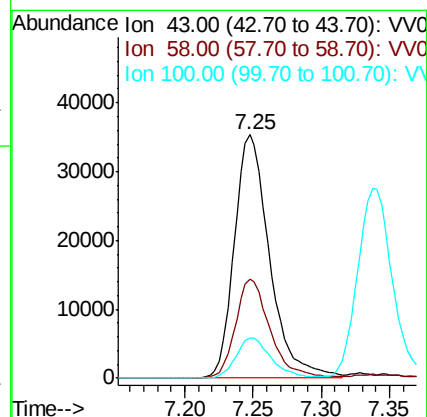
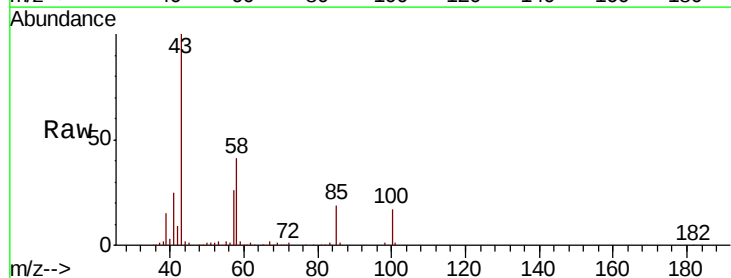
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

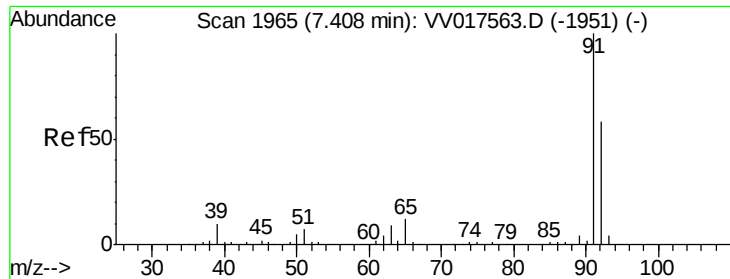
Tot Ion: 75 Resp: 34846
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 21.496 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Tgt Ion: 43 Resp: 63630
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3
 100 16.4 13.3 19.9





#42

Toluene

Concen: 11.022 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

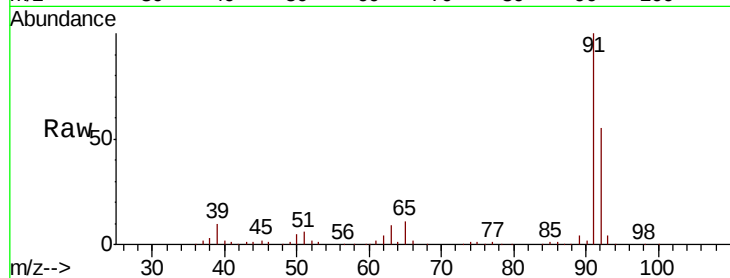
VSTD01061

Tot Ion: 91 Resp: 102088

Ion Ratio Lower Upper

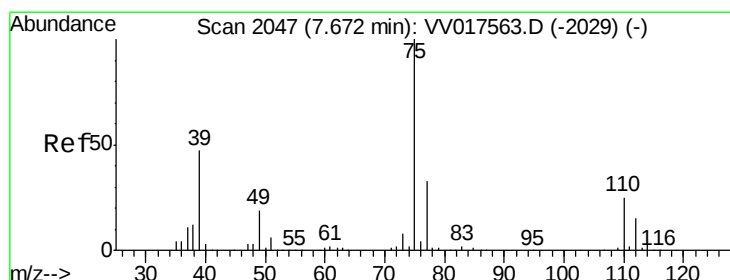
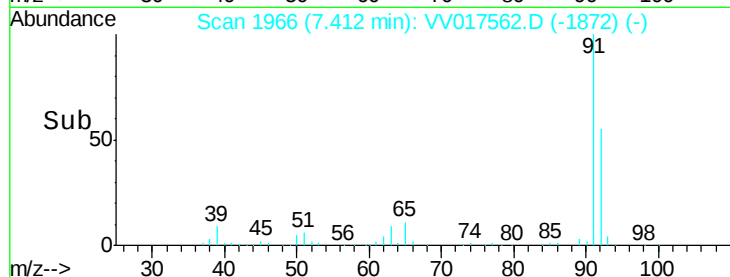
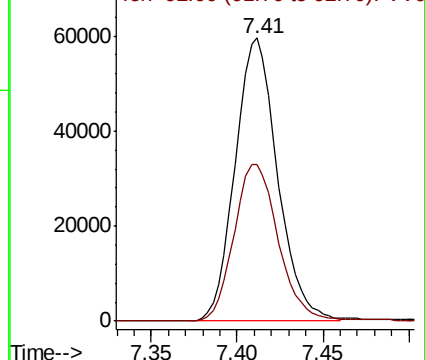
91 100

92 55.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.958 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017562.D

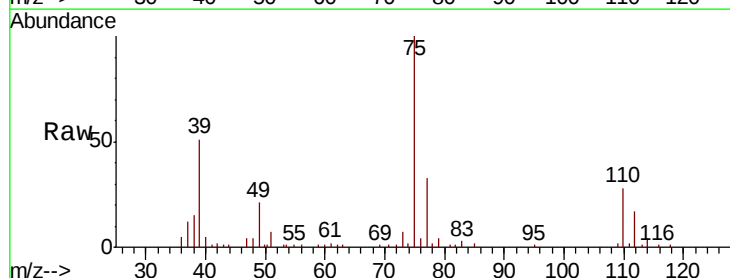
Acq: 21 Jul 2020 13:53

Tgt Ion: 75 Resp: 37129

Ion Ratio Lower Upper

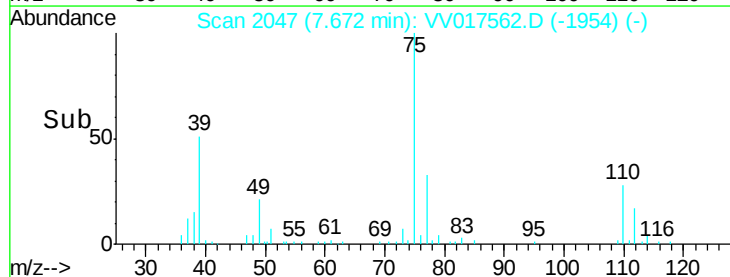
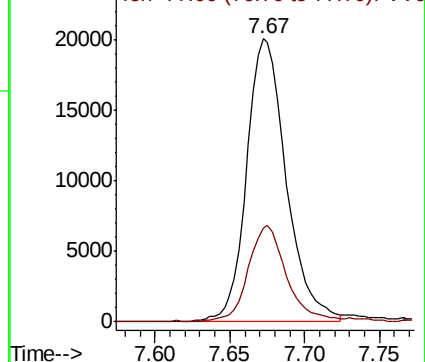
75 100

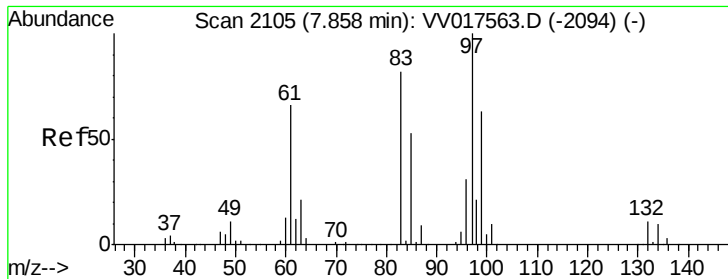
77 33.2 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

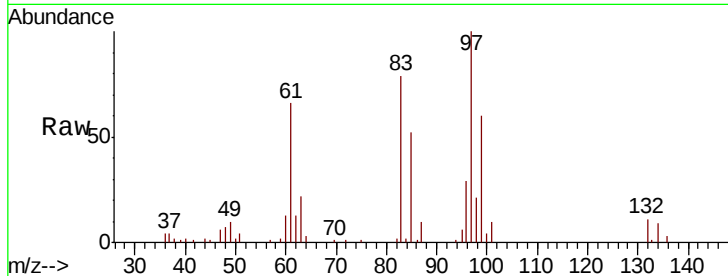




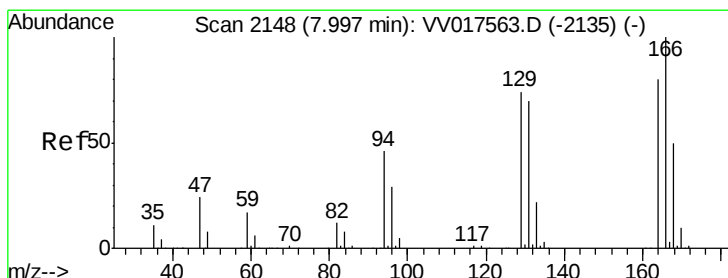
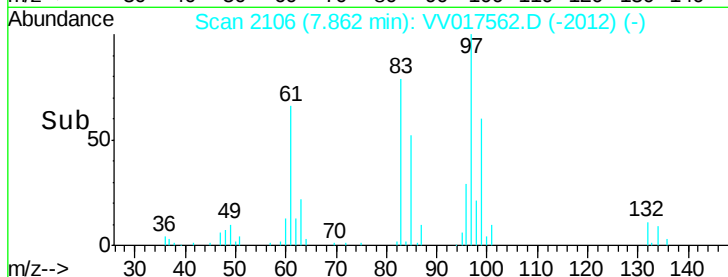
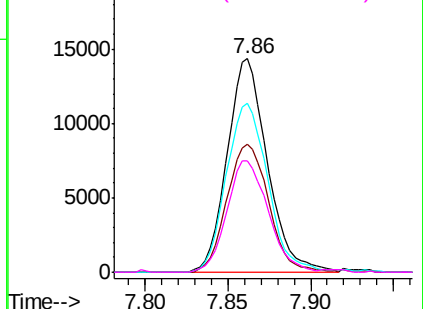
#45
 1,1,2-Trichloroethane
 Concen: 10.562 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tot Ion:	97	Resp:	24173
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.2	82.0
83	78.9	57.9	107.5
85	52.3	37.5	69.7

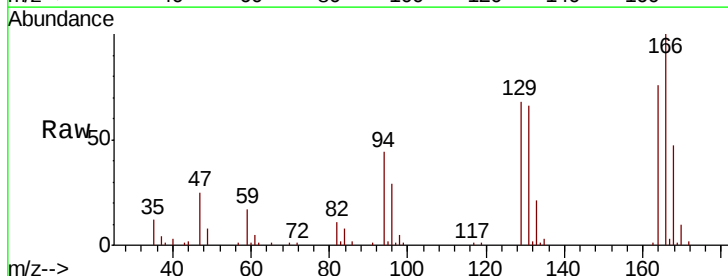


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

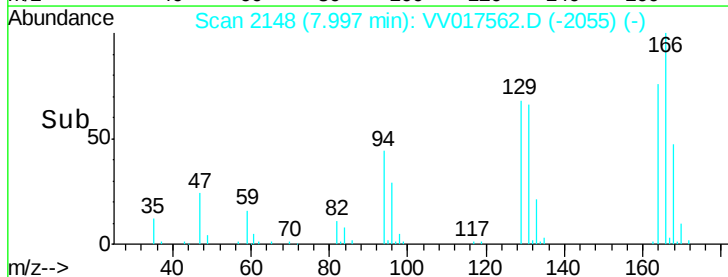
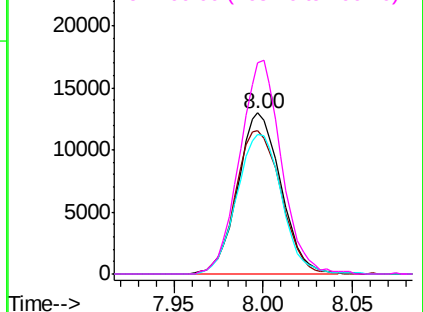


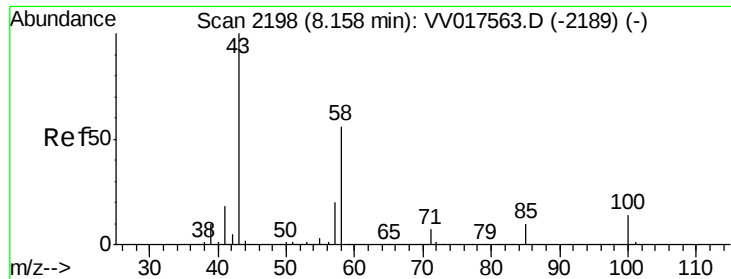
#46
 Tetrachloroethene
 Concen: 10.923 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Tgt Ion:	164	Resp:	21916
Ion	Ratio	Lower	Upper
164	100		
129	89.0	64.3	119.5
131	87.0	61.5	114.1
166	131.0	87.2	162.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

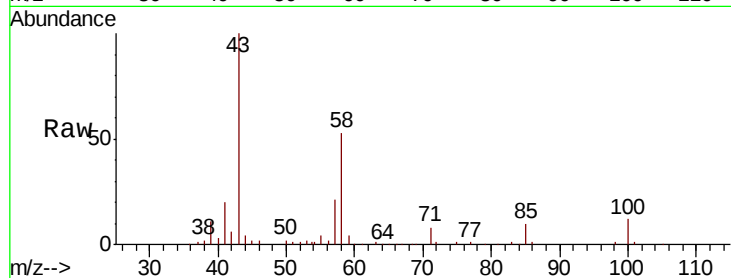




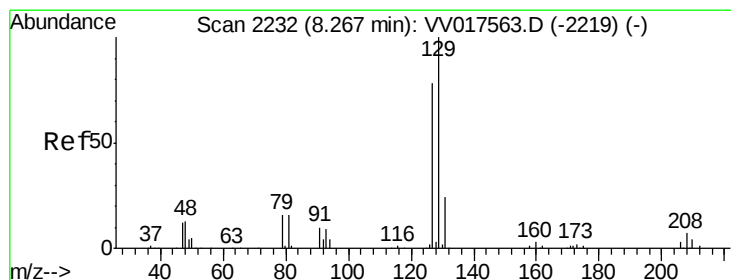
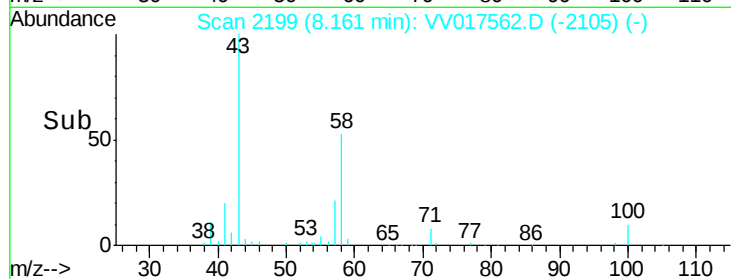
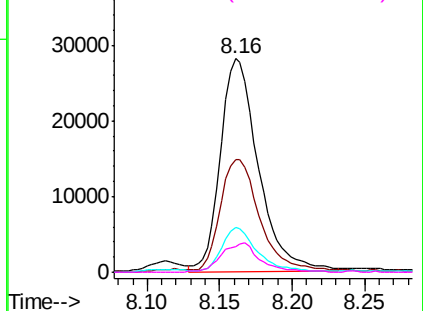
#48
2-Hexanone
Concen: 21.682 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD01061

Tot Ion: 43 Resp: 51188
Ion Ratio Lower Upper
43 100
58 53.1 44.3 66.5
57 17.9 16.9 25.3
100 14.0 11.0 16.4

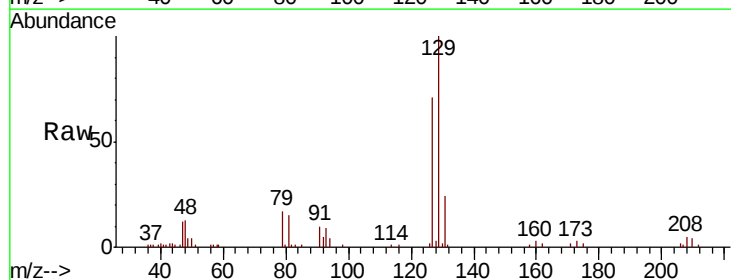


Abundance Ion 43.00 (42.70 to 43.70): VV017562.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017562.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017562.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017562.D (-2105) (-)

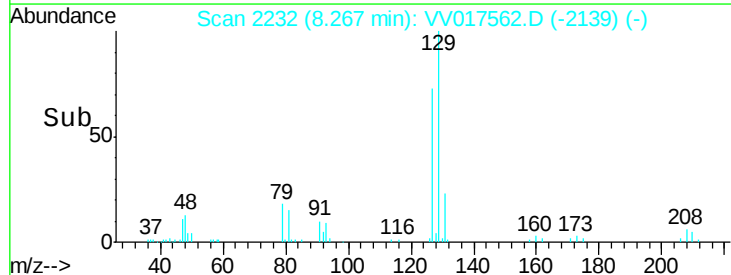
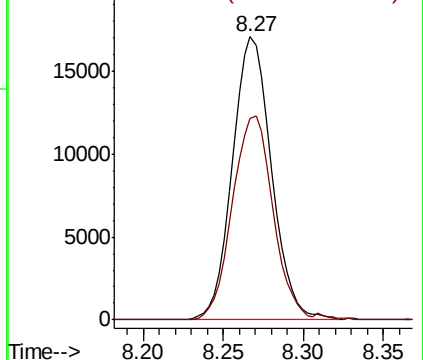


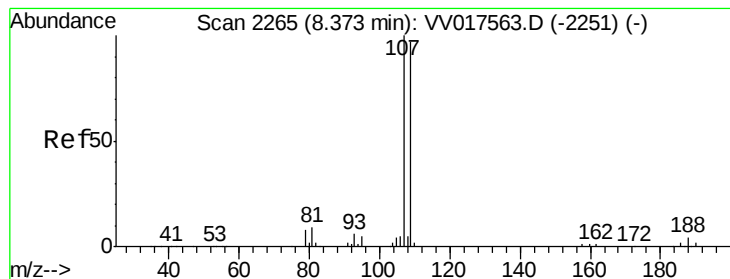
#49
Dibromochloromethane
Concen: 9.988 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017562.D
Acq: 21 Jul 2020 13:53

Tgt Ion: 129 Resp: 28432
Ion Ratio Lower Upper
129 100
127 71.1 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV017562.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017562.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 10.254 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

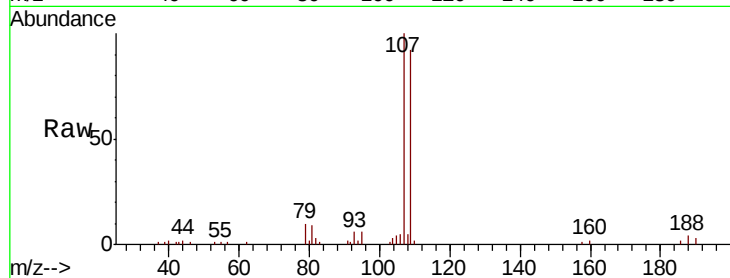
Tot Ion:107 Resp: 25530

Ion Ratio Lower Upper

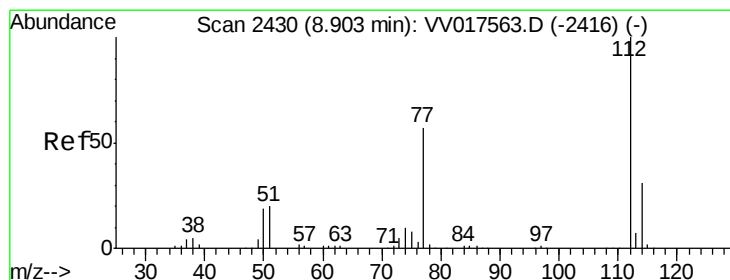
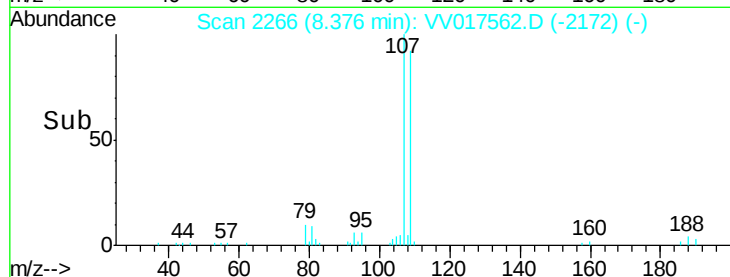
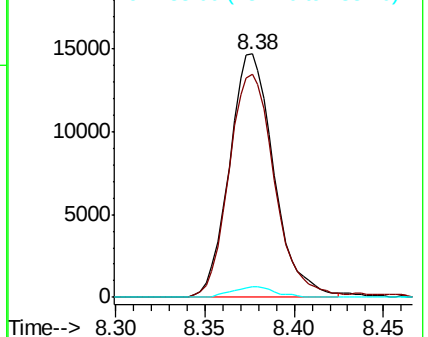
107 100

109 91.8 67.7 125.7

188 4.5 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 10.405 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

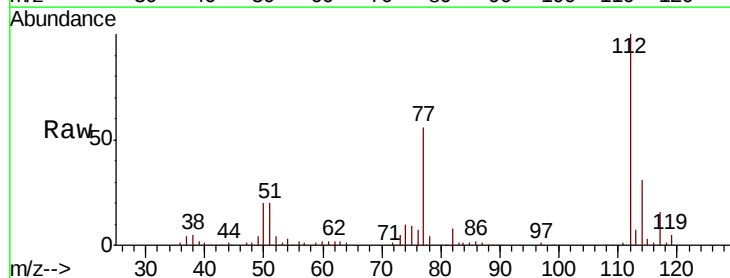
Tgt Ion:112 Resp: 67137

Ion Ratio Lower Upper

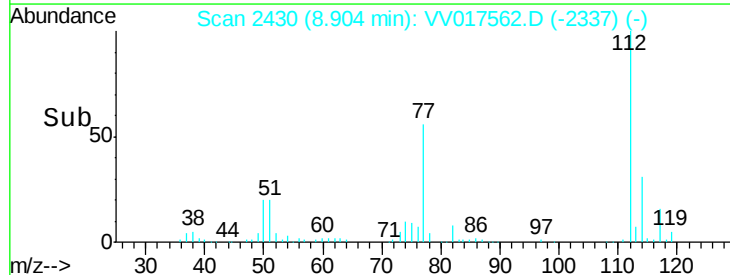
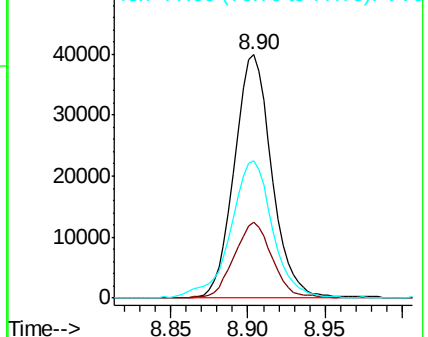
112 100

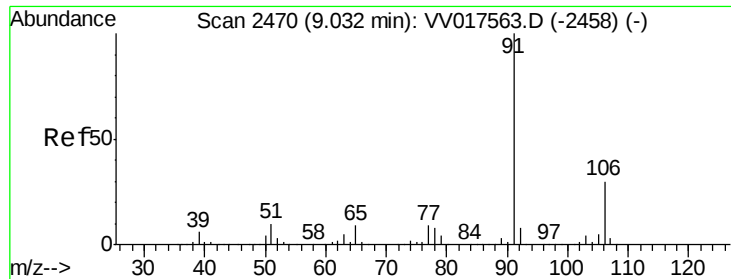
114 31.0 21.9 40.7

77 56.3 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 10.312 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

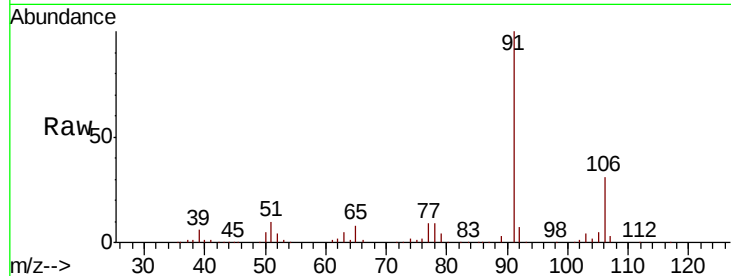
VSTD01061

Tot Ion: 91 Resp: 111645

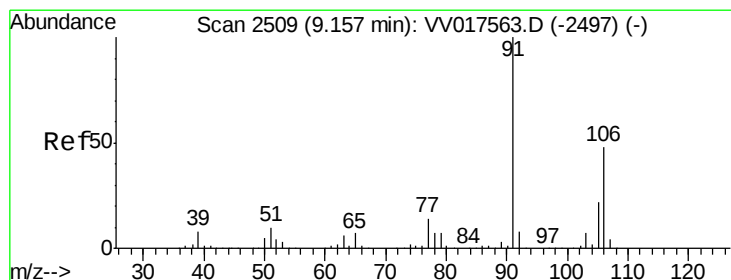
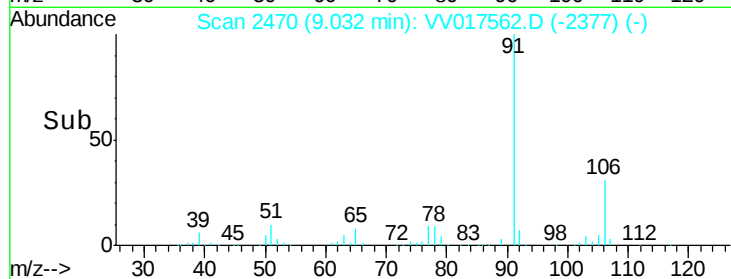
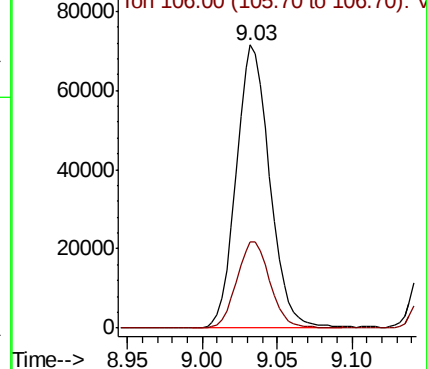
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV017562.D (-2377) (-)



#53

m,p-Xylene

Concen: 10.624 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017562.D

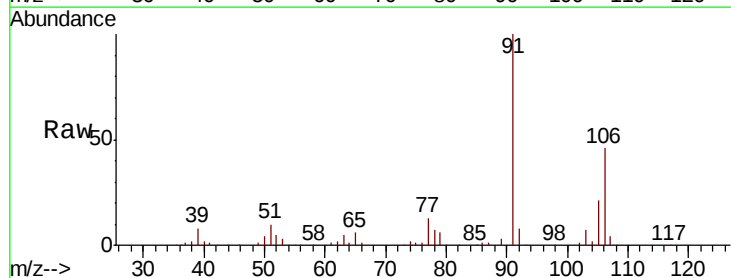
Acq: 21 Jul 2020 13:53

Tgt Ion: 106 Resp: 42939

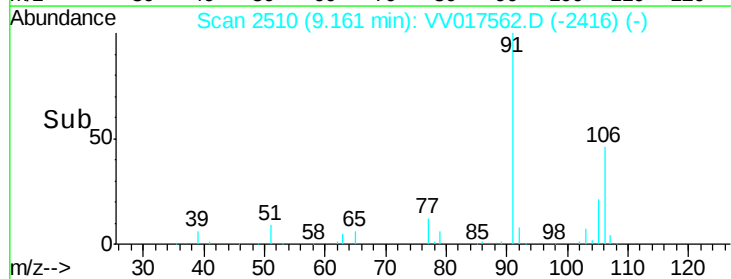
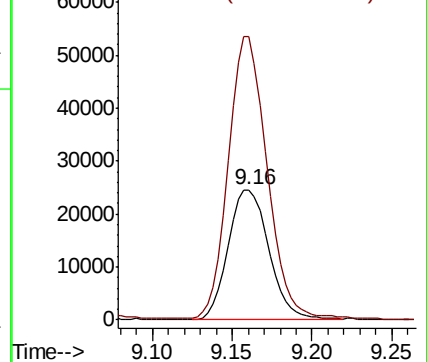
Ion Ratio Lower Upper

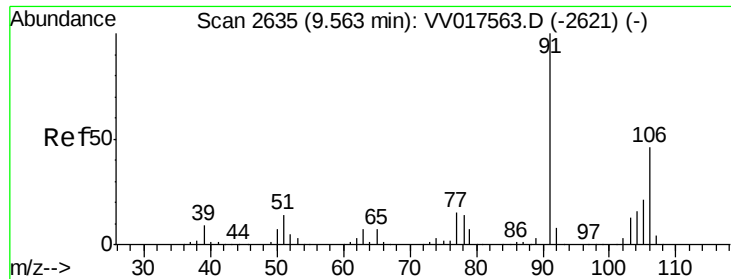
106 100

91 217.2 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): VV017562.D (-2416) (-)





#54

o-xylene

Concen: 10.441 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

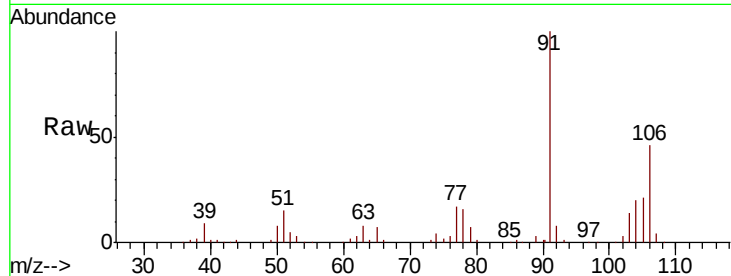
VSTD01061

Tot Ion:106 Resp: 41002

Ion Ratio Lower Upper

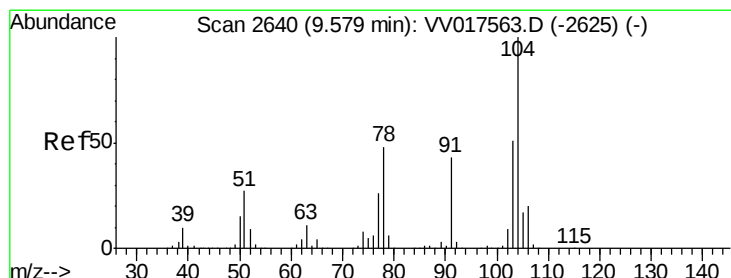
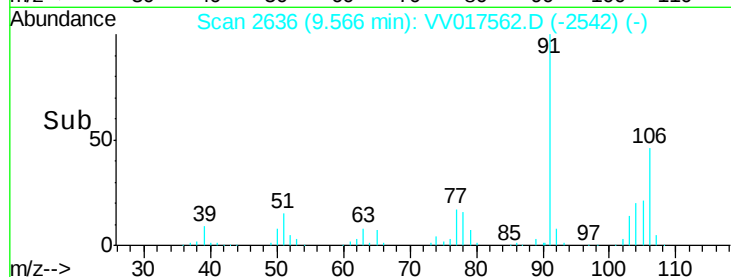
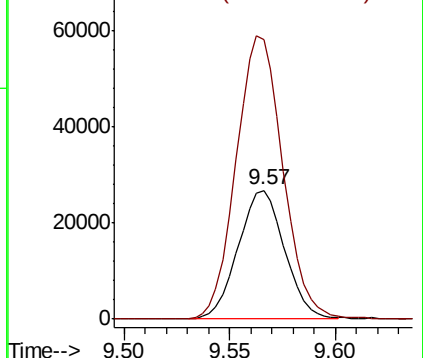
106 100

91 216.5 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 10.152 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017562.D

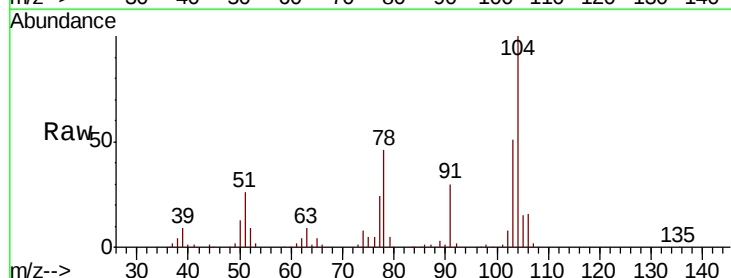
Acq: 21 Jul 2020 13:53

Tgt Ion:104 Resp: 67953

Ion Ratio Lower Upper

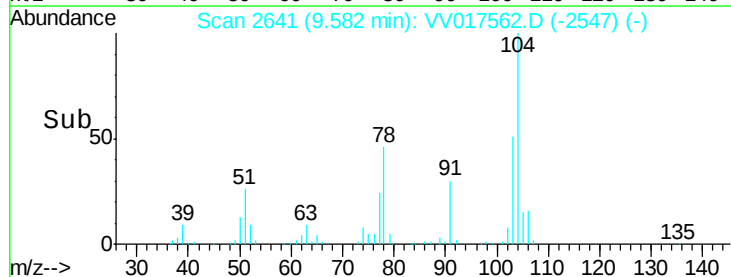
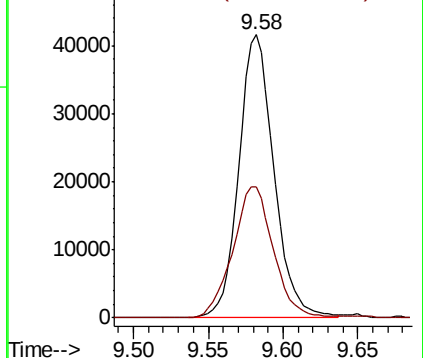
104 100

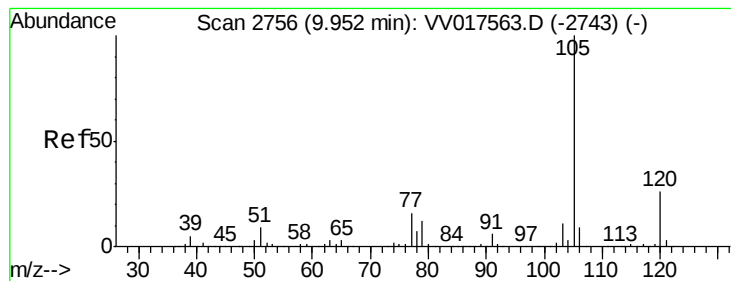
78 46.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 10.602 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

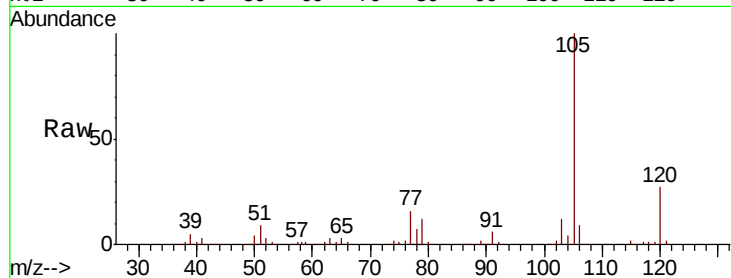
Tot Ion:105 Resp: 112300

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

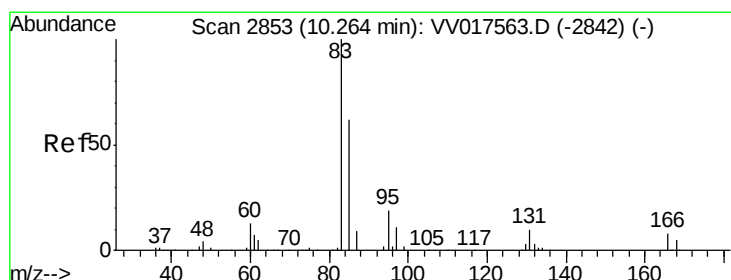
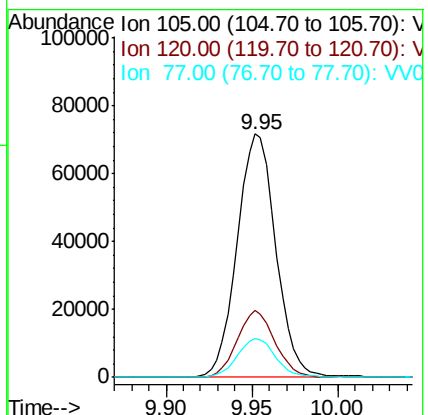
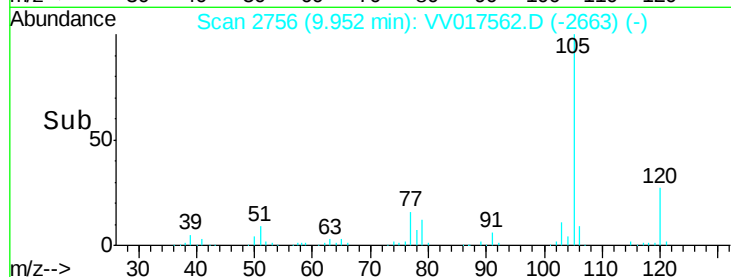
77 15.8 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.886 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

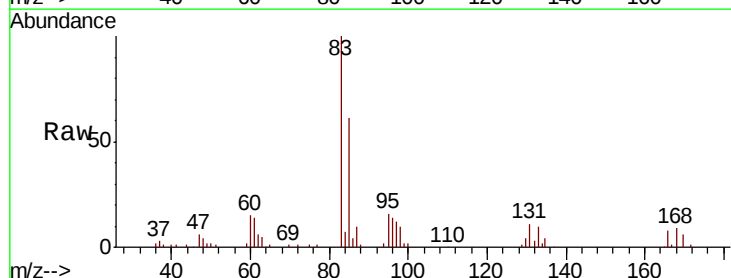
Tgt Ion: 83 Resp: 37373

Ion Ratio Lower Upper

83 100

85 61.4 44.5 82.7

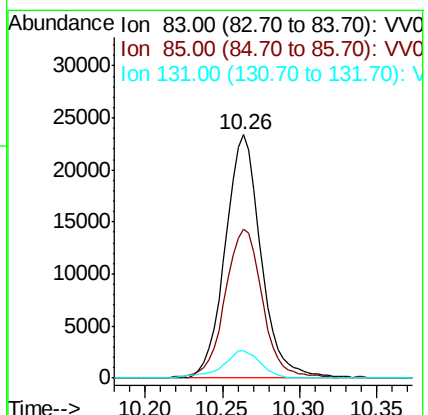
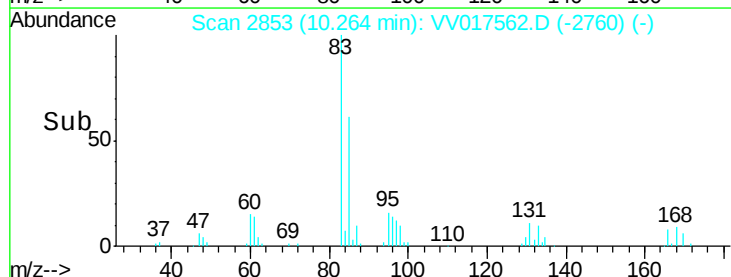
131 11.2 8.9 13.3

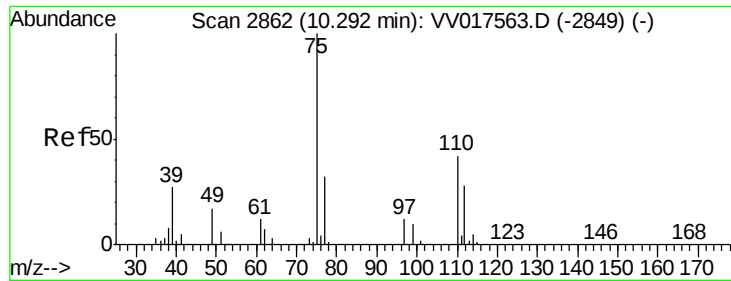


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.561 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

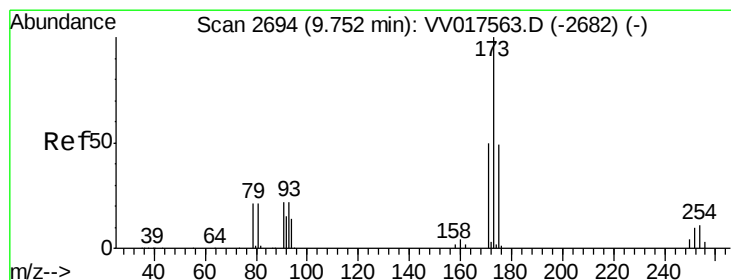
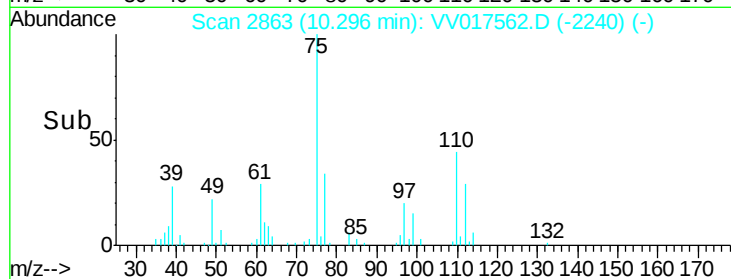
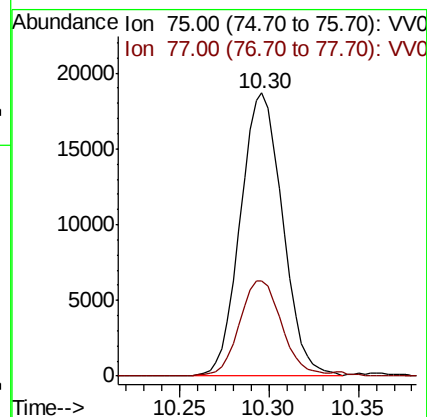
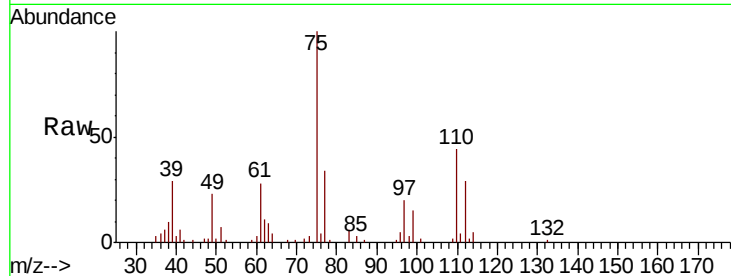
VSTD01061

Tot Ion: 75 Resp: 30855

Ion Ratio Lower Upper

75 100

77 33.8 25.9 38.9



#61

Bromoform

Concen: 9.838 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

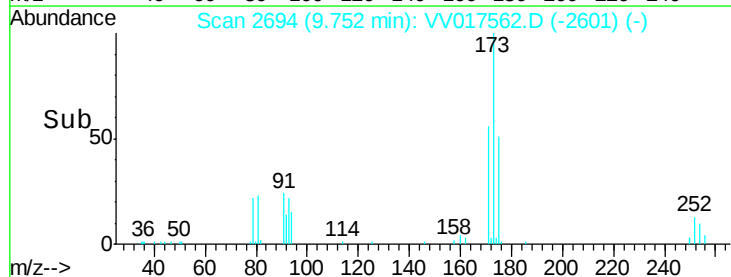
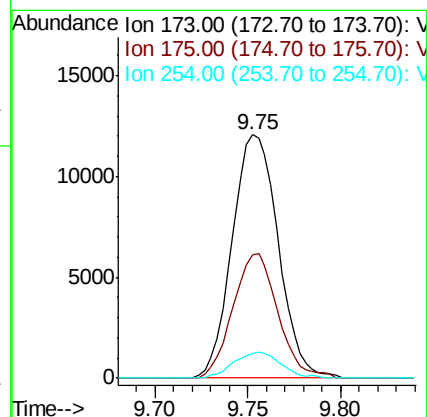
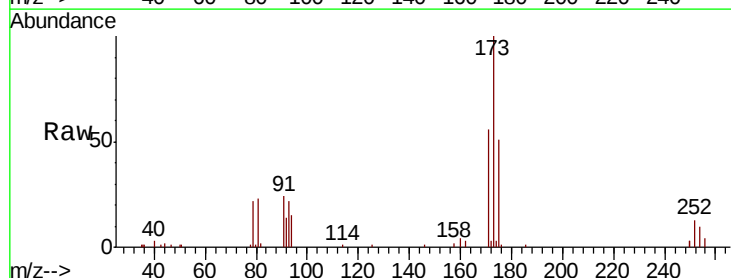
Tgt Ion: 173 Resp: 20805

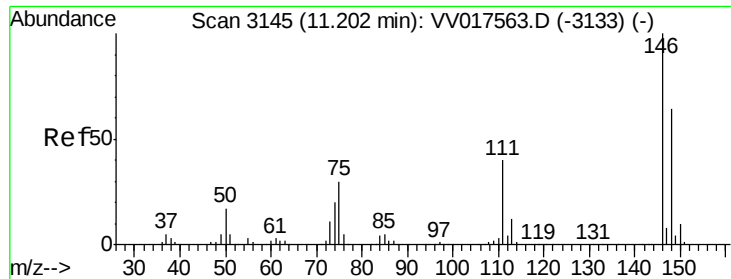
Ion Ratio Lower Upper

173 100

175 49.8 38.5 57.7

254 10.5 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 10.634 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

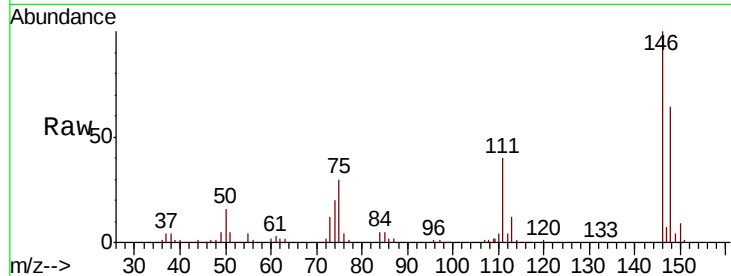
Tot Ion:146 Resp: 56030

Ion Ratio Lower Upper

146 100

111 40.1 28.2 52.4

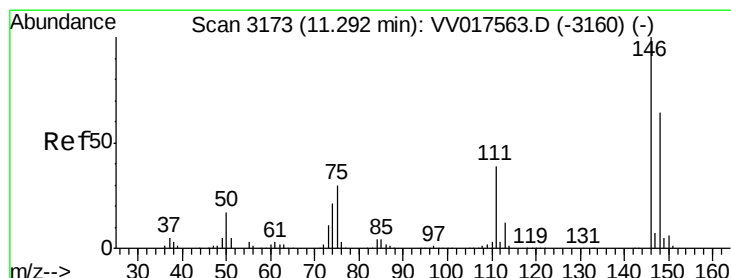
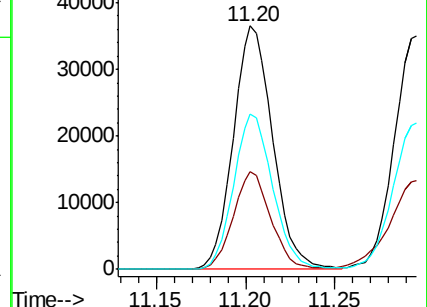
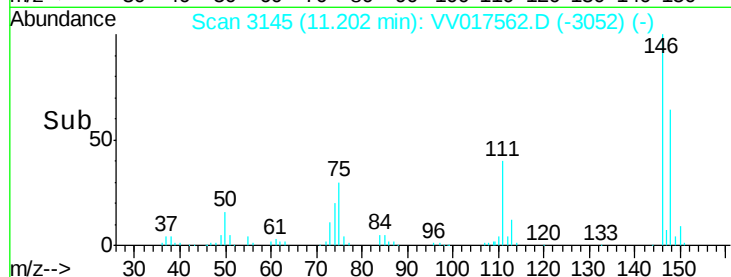
148 63.9 44.7 82.9



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: 10.168 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

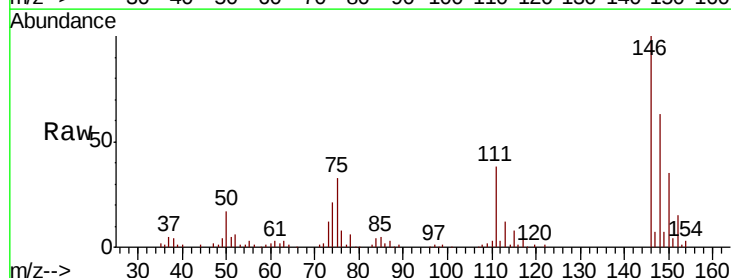
Tgt Ion:146 Resp: 55716

Ion Ratio Lower Upper

146 100

111 38.0 27.3 50.7

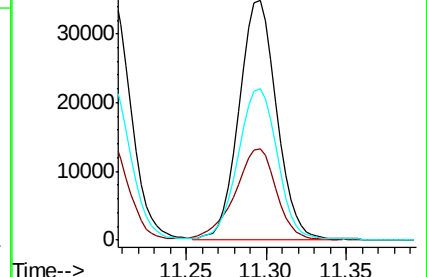
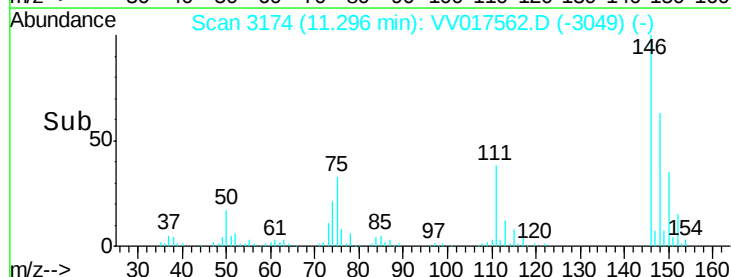
148 63.0 45.1 83.9

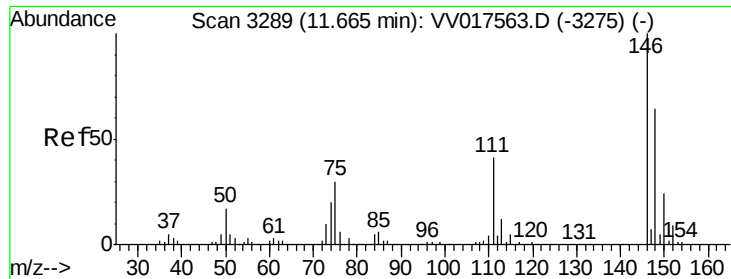


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.469 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

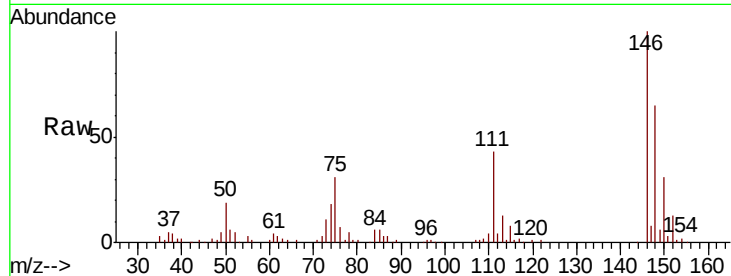
MSVOA_V

ClientSampleId :

VSTD01061

Tot Ion:146 Resp: 57087

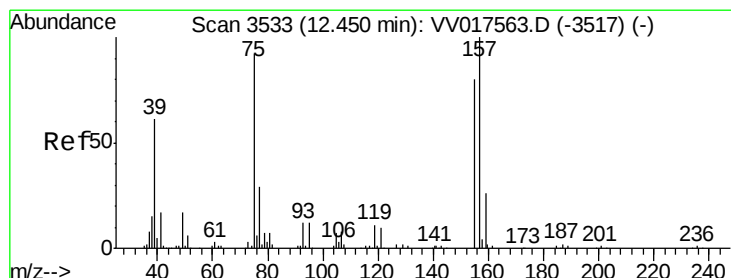
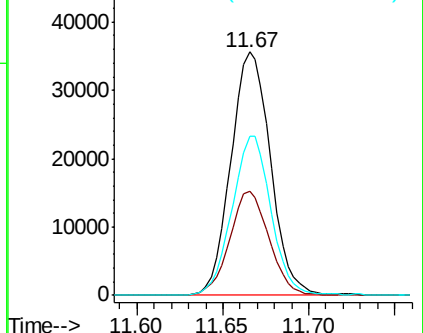
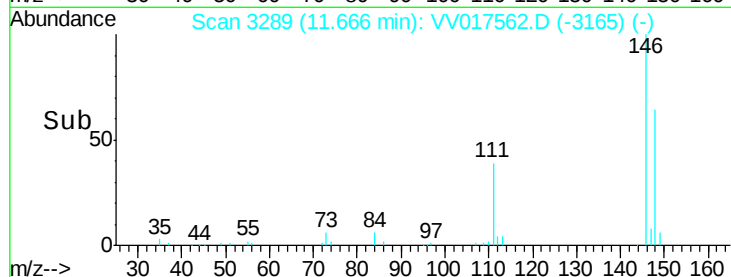
Ion	Ratio	Lower	Upper
146	100		
111	42.9	32.9	49.3
148	65.4	51.0	76.4



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: 8.633 ug/L

RT: 12.45 min Scan# 3534

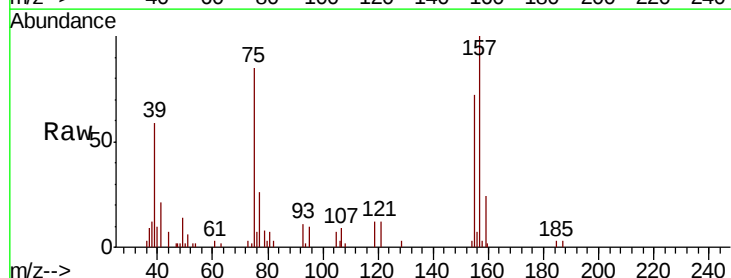
Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Tgt Ion: 75 Resp: 8542

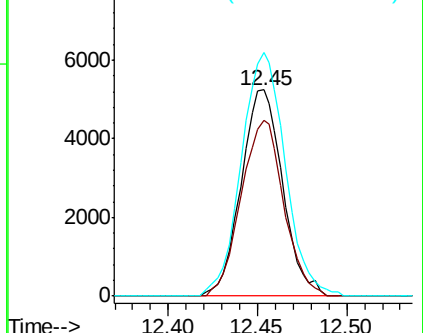
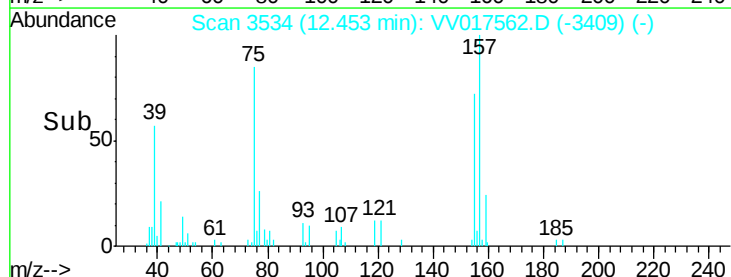
Ion	Ratio	Lower	Upper
75	100		
155	85.4	69.2	103.8
157	118.1	86.9	130.3

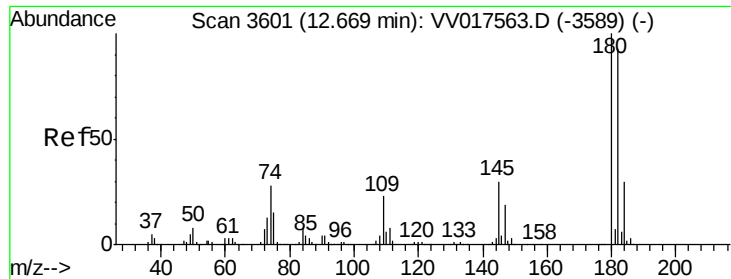


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

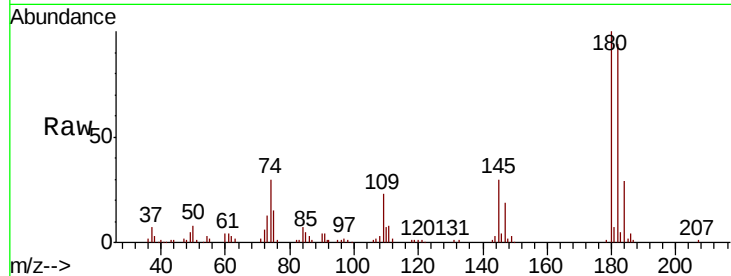




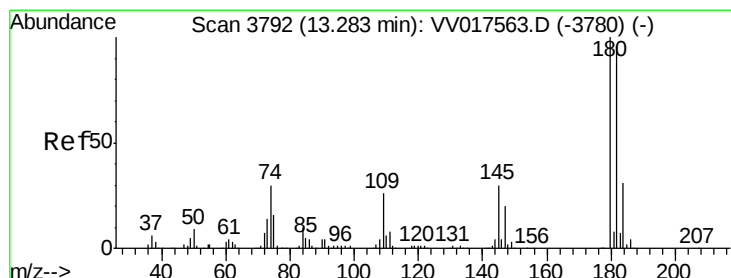
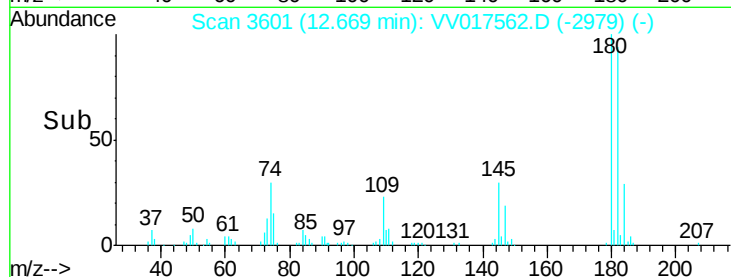
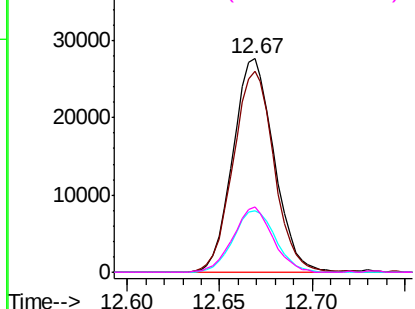
#67
 1,3,5-Trichlorobenzene
 Concen: 10.135 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01061

Tot Ion:180 Resp: 42547
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 184 29.6 24.5 36.7
 145 29.3 24.2 36.2

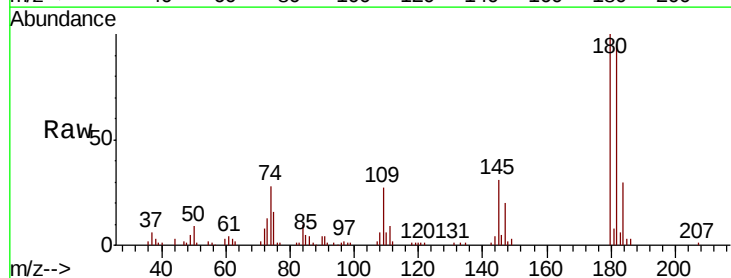


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

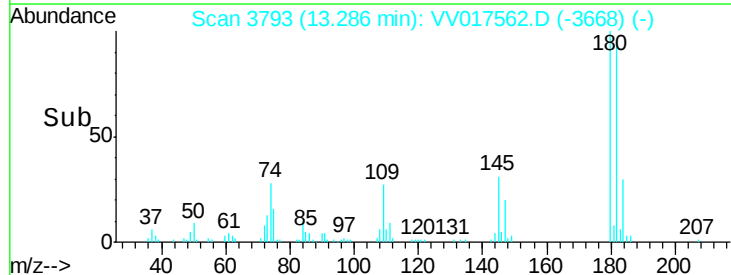
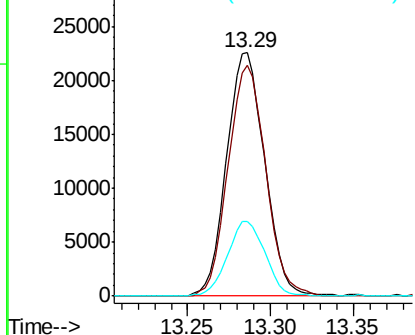


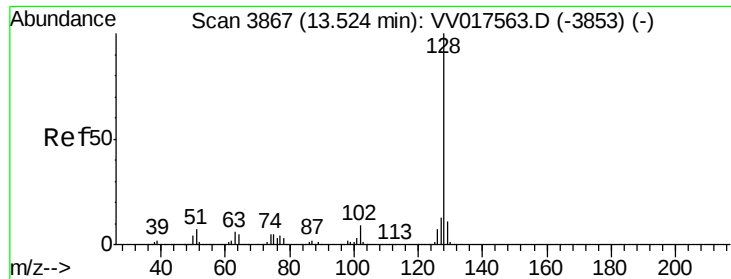
#68
 1,2,4-trichlorobenzene
 Concen: 9.606 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017562.D
 Acq: 21 Jul 2020 13:53

Tgt Ion:180 Resp: 36081
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.2 114.4
 145 30.3 24.1 36.1



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





#69

Naphthalene

Concen: 8.959 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01061

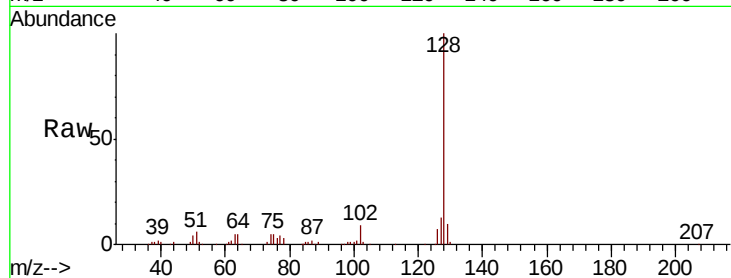
Tot Ion:128 Resp: 94963

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

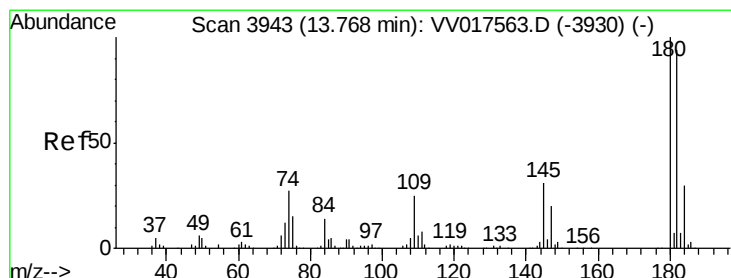
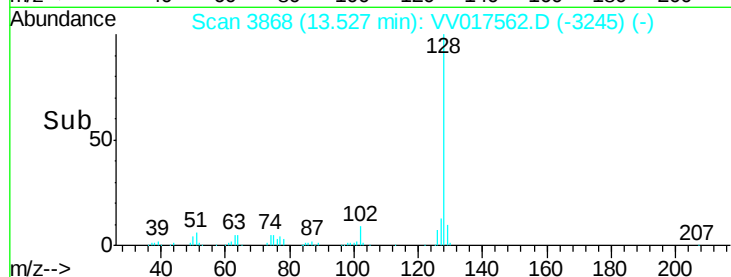
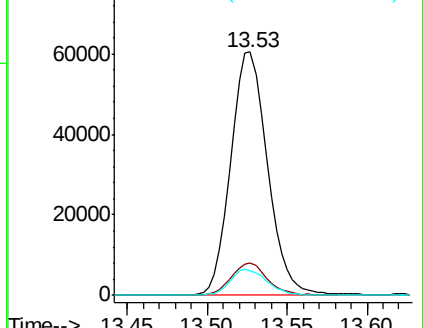
129 10.7 8.7 13.1



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: 9.865 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017562.D

Acq: 21 Jul 2020 13:53

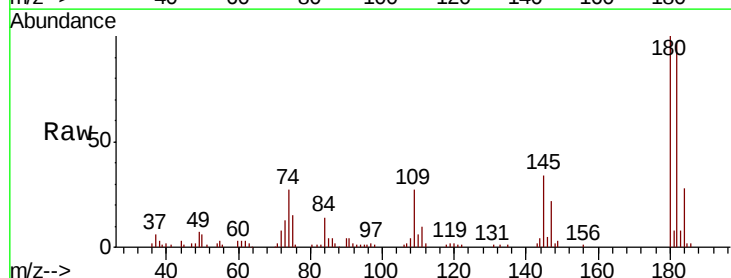
Tgt Ion:180 Resp: 36892

Ion Ratio Lower Upper

180 100

182 91.6 75.8 113.8

145 32.1 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

